Regional Compliance Restoration Program
Preliminary Assessment/Site Inspection
Gabreski Air National Guard Base
Westhampton Beach, New York

Final

July 2015

Contract No. W912DR-12-D-0014
Task Order No. 0001



Submitted to

U.S. Army Corps of Engineers
10 South Howard Street
Room 1000-S
Baltimore, Maryland 21201

Contract No. W912DR-12-D-0014
Task Order No. 0001

Submitted by

AECOM
3101 Wilson Boulevard
Suite 900
Arlington, VA 22201

July 2015

Regional Compliance Restoration Program Preliminary Assessment/Site Inspection Gabreski Air National Guard Base Westhampton Beach, New York

Final

Qualified Environmental Professional Certification

I certify that I am currently a NYS registered professional engineer and that this Report for Gabreski Air National Guard Base, was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Respectfully submitted,
AECOM

STATE OF NEW YORK
SCOTT ANDREW UNDERHILL
075332
LICENSED PROFESSIONAL ENGINEER

7-14-15

July 2015

Scott A. Underhill

Registered Professional Engineer
New York License No. 075332

This page intentionally left blank.

Table of Contents

EXECUTIVE SUMMARY ..... **v**
1 INTRODUCTION **1-1**
1.1 Project Objectives and Scope 1-1
1.2 Report Organization 1-1
2 INSTALLATION DESCRIPTION **2-1**
2.1 Location 2-1
2.2 Organization and AOC History 2-1
3 ENVIRONMENTAL SETTING **3-1**
3.1 Climate 3-1
3.2 Base Topography and Drainage 3-1
3.3 Geology 3-1
3.4 Soil 3-1
3.5 Groundwater/Hydrogeology 3-1
3.6 Surface Water Hydrology 3-2
3.7 Critical Habitats /Threatened Endangered Species 3-2
4 PRELIMINARY ASSESSMENT **4-1**
4.1 Previous Investigations 4-1
4.1.1 TU014 - Former USTs at Building 218 4-1
4.1.2 TU013 - Former Building 230-Former Hydraulic Lifts 4-1
4.1.3 TU015 - Former Building 276- 2 Former USTs 4-1
4.1.4 DD020 - Building 358-Former Battery Room Drain 4-1
4.1.5 TU016 - Building 370-1 Former UST 4-1
4.1.6 TU017 - Former Building 374-1 Former UST 4-1
4.1.7 TU018 and TU019 - Former UST #41 and UST #42 4-2
4.2 Regulatory Framework 4-2
4.3 PA/SI Work Plan Recommendations 4-2
5 SI FIELD OPERATIONS **5-1**
5.1 General Approach 5-1
5.1.1 Field Sampling 5-1
5.1.2 Deviations from the Work Plan 5-1
5.1.3 Data Analysis 5-2
5.1.4 Data Validation 5-2
5.2 Investigation Derived Waste 5-2
5.3 TU014 - Former USTs at Building 218 5-2
5.3.1 Field Sampling 5-2
5.3.2 Results 5-2
5.4 TU013 – Hydraulic Lifts in Building 230 5-9
5.4.1 Field Sampling 5-9
5.4.2 Results 5-9
5.5 TU015 – Former USTs in Former Building 276 5-17
5.5.1 Field Sampling 5-17
5.5.2 Results 5-17
5.6 TU016 – Former USTs in Building 370 5-25
5.6.1 Field Sampling 5-25
5.6.2 Results 5-25
5.7 TU017 – Former USTs in Former Building 374 5-33
5.7.1 Field Sampling 5-33
5.7.2 Results 5-33
6 AREA OF CONCERN PATHWAY AND ENVIRONMENTAL HAZARD ASSESSMENTS **6-1**

7 CONCLUSIONS AND RECOMMENDATIONS 7-1
7.1 Conclusions 7-1
7.1.1 TU014 – Former USTs in Former Building 218 7-1
7.1.2 TU013 – Hydraulic Lifts in Building 230 7-1
7.1.3 TU015 – Former USTs in Former Building 276 7-1
7.1.4 TU016 – Former USTs in Building 370 7-1
7.1.5 TU017 – Former USTs in Former Building 374 7-1
7.2 Recommendations 7-1
8 REFERENCES 8-1

Appendices

Appendix A Field Documentation
Appendix A-1 Boring Logs
Appendix A-2 Instrument Calibration
Appendix B Analytical Data Packages
Appendix C Data Validation Report
Appendix D Investigation Derived Waste Documentation
Appendix E HRS Quickscore Reports
Appendix F Remedial Action Cost Engineering Requirements Worksheets

List of Tables

Table 4-1. Summary of the Recommendations from the Preliminary Assessment 4-3
Table 5-1. Detected Analytes in Soil at TU014....5-3
Table 5-2. Detected Analytes in Groundwater at TU014....5-5
Table 5-3. Detected Analytes in Soil at TU013....5-11
Table 5-4. Detected Analytes in Groundwater at TU013.... 5-13
Table 5-5. Detected Analytes in Soil at TU015.... 5-19
Table 5-6. Detected Analytes in Groundwater at TU015.... 5-21
Table 5-7. Detected Analytes in Soil at TU016.... 5-27
Table 5-8. Detected Analytes in Groundwater at TU016.... 5-29
Table 5-9. Detected Analytes in Soil at TU017.... 5-35
Table 5-10. Detected Analytes in Groundwater at TU017.... 5-37
Table 7-1. Information Relevant to the DQO Process....7-2

List of Figures

Figure 1-1. Vicinity Map....1-2
Figure 2-1. Areas of Concern Locations 2-2
Figure 5-1. TU014 SI Field Sampling Locations....5-7
Figure 5-2. TU013 SI Field Sampling Locations.... 5-15
Figure 5-3. TU015 SI Field Sampling Locations.... 5-23
Figure 5-4. TU016 SI Field Sampling Locations.... 5-31
Figure 5-5. TU017 SI Field Sampling Locations.... 5-39

List of Acronyms and Abbreviations

AMSL	Above Mean Sea Level
ANG	Air National Guard
ANGB	Air National Guard Base
AOC	Area of Concern
ARARs	Applicable or Relevant and Appropriate Requirements
bgs	Below Ground Surface
COPCs	Chemicals of Potential Concern
CP	Commissioner Policy
CRP	Compliance Restoration Program
DoD	Department of Defense
DPT	Direct Push Technology
DQO	Data Quality Objectives
EBS	Environmental Baseline Survey
EESOH-MIS	Enterprise Environmental Safety and Occupational Health-Management Information System
EPA	Environmental Protection Agency
ERPIMS	Environmental Resources Program Information Management System
ft.	Feet
HRS	Hazard Ranking System
IDW	Investigation Derived Waste
LOD	Level of Detection
LOQ	Level of Quantitation
MCL	Maximum Contaminant Level
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NFA	No Further Action
NGB	National Guard Bureau
NPL	National Priorities List
NRCS	National Resource Conservation Service
NYANG	New York Air National Guard
NYSDEC	New York State Department of Environmental Conservation
PA	Preliminary Assessment
PA/SI	Preliminary Assessment/ Site Inspection
PALs	Project Action Limits
PID	Photoionization Detector
QA	Quality Assurance
QC	Quality Control
RSL	Regional Screening Level
SI	Site Inspection
SVOCs	Semi-volatile Organic Compounds
TOGS	Technical and Operational Guidance Series
USACE	United State Army Corps of Engineers
USFWS	United States Fish and Wildlife Services

USTs	Underground Storage Tanks
VOCs	Volatile Organic Compounds
WP	Final Preliminary Assessment/Site Inspection Work Plan

This page intentionally left blank.

Executive Summary

This Preliminary Assessment/Site Inspection (PA/SI) Report presents the results of and recommendations from the 2014 PA/SI activities conducted at the Gabreski Air National Guard Base (ANGB), located in Westhampton Beach, New York, as part of the Compliance Restoration Program (CRP). The project objective was to determine the presence or absence of contamination and either (1) obtain a No Further Action (NFA) decision for the areas of concern (AOCs) at Gabreski ANGB, with regulatory concurrence from the New York State Department of Environmental Conservation (NYSDEC) or (2) identify the data quality objectives required for conducting a follow-on remedial investigation at the AOCs that did not meet the criteria for NFA.

The eight AOCs addressed by the PA/SI at Gabreski ANGB are:

- TU014 – Former Underground Storage Tanks (USTs) in Former Building 218
- TU013 – Hydraulic Lifts in Building 230
- TU015 – Former USTs in Former Building 276
- DD020 – Former Battery Room Drain in Building 358
- TU016 – Former USTs in Building 370
- TU017 – Former USTs in Former Building 374
- TU018 – Former UST #41
- TU019 – Former UST #42

Based on recommendations from previous investigations and the PA, additional SI activities were not warranted for DD020, TU018, and TU019. NFA was previously established for these sites based on NYSDEC concurrence during the PA/SI Work Plan (AECOM, 2014).

Concentrations of chemicals of potential concern (COPCs) detected in soil and groundwater samples collected from the AOCs during the 2014 SI were compared to the project action limits (PALs) for Gabreski ANGB. The PALs for the soil samples are the NYSDEC Commissioner Policy (CP) 51 – Soil Cleanup Guidance and the EPA Regional Screening Levels (RSLs) for residential soil. The PALs for the groundwater samples are the NYSDEC Technical & Operational Guidance Series (TOGS) – 1.1.1 Ambient Water Quality Standards and Guidance Values, the EPA Maximum Contaminant Levels (MCLs) for drinking water, and the EPA RSLs for tap water.

Twenty soil samples and two groundwater samples were collected at TU014. Acetone exceeded the PALs in at least one soil sample. 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, ethylbenzene, isopropyltoluene, naphthalene, n-propylbenzene, and sec-butylbenzene exceeded the PALs in at least one groundwater sample. Due to the detection of COPCs at concentrations exceeding PALs, the EPA Hazard Ranking System (HRS) score was determined for TU014 using HRS Quickscore software. HRS Quickscore assigns a number to risk for each pathway of exposure for a source, and then calculates a site score, which represents the risk that a nearby population will be exposure to high concentrations of the COPCs. A site score of 28.50 is necessary for the site to be placed on the National Priorities List (NPL). The groundwater migration pathway received a score of 2.67 and the overall site score was 1.34.

Twenty-eight soil samples and seven groundwater samples were collected at TU013. None of the detected analytes exceeded the PALs in the soil samples. Bis(2-ethylhexyl)phthalate exceeded its PAL in at least one groundwater sample. HRS scoring was not conducted for this site because bis(2-ethylhexyl)phthalate is a typical laboratory artifact.

Six soil samples and two groundwater samples were collected at TU015. None of the detected analytes exceeded the PALs in the soil or groundwater samples. HRS scoring was not conducted.

Six soil samples and one groundwater sample were collected at TU016. Acetone exceeded the PALs in at least one soil sample. None of the detected analytes in the groundwater sample exceeded their respective PALs. HRS scoring was not conducted for this AOC because acetone was barely exceeding the state criterion and well below the RSL.

Five soil samples and one groundwater sample were collected at TU017. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene exceeded their respective PALs in at least one soil sample. Bis(2-ethylhexyl)phthalate exceeded the PAL in the groundwater sample. HRS scoring was conducted for this

site. The groundwater migration pathway received a score of 1.61, the soil exposure pathway received a score of 1.20, and the overall site score was 1.00.

Recommended for NFA

- TU013 – The results of the 2014 SI do not provide evidence of a release; detected analyte concentrations did not exceed regulatory levels.
- TU015 – The results of the 2014 SI do not provide evidence of a release; detected analyte concentrations did not exceed regulatory levels.
- DD020 – NFA already approved by NYSDEC.
- TU016 – The results of the 2014 SI do not provide evidence of a release; acetone exceeded the state criterion but was well below the RSL.
- TU018 – NFA already approved by NYSDEC.
- TU019 – NFA already approved by NYSDEC.

Recommended for Further Investigation

- TU014 – further investigation is recommended for volatile organic compounds (VOCs) in groundwater.
- TU017 – further investigation is recommended for semi-volatile organic compounds (SVOCs) in soil.

Table ES-1 summarizes information relevant to the ongoing data quality objectives (DQO) process for the AOC recommended for further investigation. Completed Remedial Action Cost Engineering Requirements worksheets are included as Appendix F for National Guard Bureau Programming Purposes.

Table ES-1. Information Relevant to the DQO Process

AOC	Constituents Detected Above Screening Criteria	Sampling Recommendation(s)	Objectives
Former USTs in Former Building 218 (TU014)	Soil: acetone Groundwater: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, ethylbenzene, isopropylbenzene, naphthalene, n-propylbenzene, sec-butylbenzene	Soil: 8 soil samples Groundwater: 4 wells	Determine the nature and extent of contaminated media. Evaluate the risk posed by current concentrations in soil and groundwater.
Former USTs in Former Building 374 (TU017)	Soil: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, Groundwater: bis(2-ethylhexyl)phthalate	Soil: 8 soil samples Groundwater: 4 wells	Determine the nature and extent of contaminated media. Evaluate the risk posed by current concentrations in soil and groundwater.

1 Introduction

This Preliminary Assessment/Site Inspection (PA/ SI) Report presents the results of and recommendations from the 2014 PA/SI activities conducted at the Gabreski Air National Guard Base(ANGB) located in Westhampton Beach, New York, as shown on Figure 1-1. This project was completed by AECOM under contract to the United States Army Corps of Engineers (USACE) Baltimore District and the Air National Guard (ANG).

A detailed description of the field procedures and scope of work performed during this SI is included in the Final Preliminary Assessment/Site Inspection Work Plan (WP; AECOM, 2014). Field activities for the SI were conducted from 22 September through 1 October 2014. This PA/SI report describes the investigation activities conducted at the areas of concern (AOCs) and presents the analytical results of the soil and groundwater sampling. Finally, it provides conclusions and recommendations based on the results of the investigation.

1.1 Project Objectives and Scope

The project objective was to determine the presence or absence of contamination and either (1) obtain a No Further Action (NFA) decision for the AOC sites, with regulatory concurrence from the New York State Department of Environmental Conservation (NYSDEC) or (2) identify the data quality objectives required for conducting a follow-on remedial investigation at the AOC sites if it did not meet the criteria for NFA.

The scope of work included the installation of soil borings and collection of soil and groundwater samples to evaluate concentrations of chemicals of potential concern (COPCs) and screen for the presence or absence of contamination. The resulting data were used to make recommendations supporting NFA or additional RI activities. The scope of work for the project also included a PA to confirm the scope of the SI. The results of the PA for this project were presented in Section 5 of the WP (AECOM, 2014) and are summarized in Section 4 of this report.

1.2 Report Organization

This SI Report is organized into the following sections:

Section 1 Introduction - Introduces the project including the scope and objectives.

Section 2 Installation Description – Presents the description and history of the installation.

Section 3 Environmental Setting - Describes the geographic and environmental setting of the Base. Information on the regional and local climate, topography, geology, hydrogeology, hydrology, and soil is provided.

Section 4 Preliminary Assessment - Summarizes the results of PA.

Section 5 Field Program - Details the AOC-specific field investigation activities and methods and summarizes the results.

Section 6 Area of Concern Pathway and Environmental Hazard Assessments – Details the purpose of EPA Hazard Ranking System (HRS) Quickscore and how it is used for this site.

Section 7 Conclusions and Recommendations - Summarizes the PA/SI conclusions and recommendations for either NFA or additional investigation of each AOC.

Section 8 References - Provides a list of references used in this PA/SI Report.

The following appendices are included in this PA/SI Report:

Appendix A Field Documentation

Appendix B Analytical Data Packages

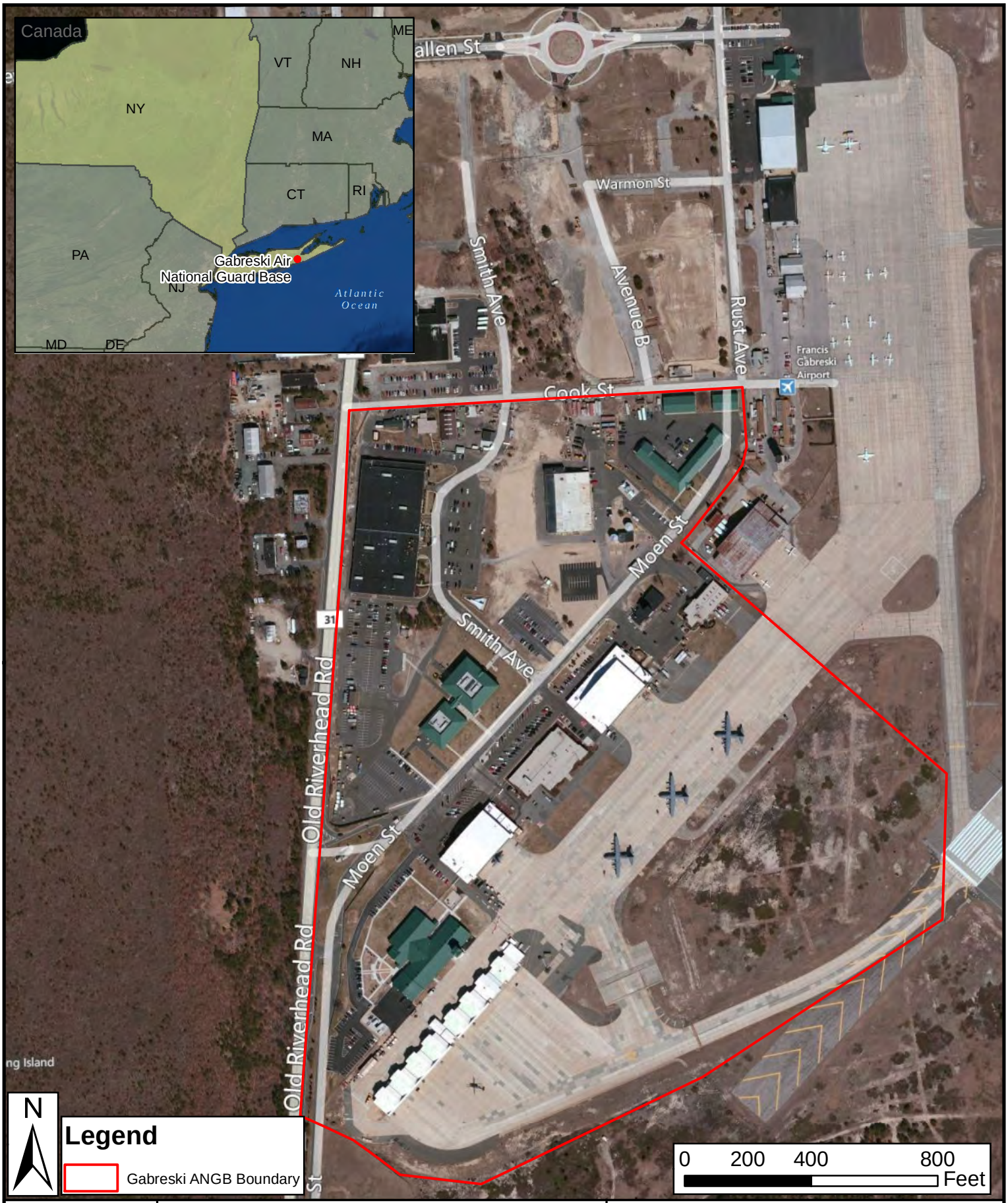
Appendix C Data Validation Report

Appendix D Investigation Derived Waste Documentation

Appendix E HRS Quickscore Reports

Appendix F Remedial Action Cost Engineering Requirements Worksheets

This page intentionally left blank.



CONTRACT NO 60308608	Gabreski Air National Guard Base
CARTOGRAPHY BY A. Weber	Figure 1-1 Gabreski Air National Guard Base Vicinity Map Westhampton Beach, New York
CHECKED BY M. Donahue / DATE December 2013	
SCALE 1" = 400' / SHEET 1 of 1	
Fig_1-1_Gabreski_ANGB_Vicinity_Map.mxd	

AECOM

Source: Esri, 2013; Bing Maps, 2011

This page intentionally left blank.

2 Installation Description

2.1 Location

Gabreski ANGB is located at the Francis S. Gabreski Suffolk County Airport in Westhampton Beach, New York on the southeast side of Long Island in the Atlantic Ocean. The New York Air National Guard (NYANG) currently leases the 88.5-acre property from Suffolk County.

2.2 Organization and AOC History

The US Army developed the site in 1941 as the Westhampton Beach Army Airfield to use for gunnery training for World War II fighter pilots and instructors. At this time, Suffolk County owned the property but leased it to the U.S. Government. From 1948 to 1951, the US Army discontinued its use of a majority of the property, and a private oil company leased the airfield. In 1951, the US Air Force reactivated the airfield as the Suffolk County Air Force Base. In 1969, the Air Force deactivated and closed the base and Suffolk County began operating the airfield as Suffolk County Airport, which was renamed Francis S. Gabreski Airport in 1991 (ANG, 2002).

Military operations were reintroduced in June 1970 when the 102nd Air Refueling Squadron of the 106th Air Refueling Group, NYANG, relocated to Suffolk County. In 1972, the unit's mission changed from air refueling to fighter-interceptor, with the new mission of controlling the skies along the northeast U.S. coast. In 1975, the designation and mission changed again to "aerospace Rescue and Recovery," later shorted to "Air Rescue" and then simply "Rescue." The current names of the 102nd Rescue Squadron and 106th Rescue Wing were assigned in 1995. However, the location of the ANG facilities has not changed since 1971.

The current mission of the 106th Rescue Wing is to provide peacetime and combat search and rescue services on a world-wide basis using HC-130P Hercules aircraft and HH-60G Pave Hawk helicopters. Operations related to aircraft maintenance include corrosion control, non-destructive inspection, minor painting, fuel cell maintenance, engine maintenance, avionics repair, hydraulics, washing, and wheel and tire maintenance. Ground-vehicle maintenance operations include fluid changes (e.g., oil, transmission, antifreeze, etc.), filter changes (fuel, oil, transmission, air, etc.), brake repair, lube, grease and repair of axle and drive trains, body repair, welding, minor painting, and washing.

To support the activities listed above, aircraft and vehicle maintenance facilities are active and involve the use, storage, and disposal of hazardous materials including petroleum, oil, lubricants, acids, paints, thinners, strippers, and solvents (ANG, 2002).

Seven AOCs have been identified at the Base including their Enterprise Environmental Safety and Occupational Health-Management Information System Site Identification (EESOH-MIS Site ID):

- Former underground storage tanks (USTs) in Former Building 218 (TU014)
- Hydraulic Lifts in Building 230 (TU013)
- Former USTs in Former Building 276 (TU015)
- Former Battery Room Drain in Building 358 (DD020)
- Former USTs in Building 370 (TU016)
- Former USTs in Former Building 374 (TU017)
- Former UST #41 (TU018)
- Former UST #42 (TU019)

The AOCs are presently not included in any remediation program. The operational history, previous investigations, and recommendations for each AOC are discussed in Section 4 of this Report. Figure 2-1 shows the AOC locations at Gabreski ANGB.

This page intentionally left blank.



CONTRACT NO 60308608	Gabreski Air National Guard Base
CARTOGRAPHY BY B. Perrigo	Figure 2-1 Gabreski Air National Guard Base Areas of Concern Locations Westhampton Beach, New York
CHECKED BY K. Kwasniak / DATE January 2015	
SCALE 1" = 350' / SHEET 1 of 1	
Fig_2-1_Gabreski_ANGB_AOC_Locations.mxd	

AECOM

Image courtesy of USGS Earthstar Geographics SIO © 2015 Microsoft Corporation © 2015 Nokia © AND
© 2015 Microsoft Corporation © 2015 Nokia © AND

This page intentionally left blank.

3 Environmental Setting

3.1 Climate

The climate in Westhampton Beach is defined as mild and is influenced by its proximity to the Atlantic Ocean coastal area. Summers tend to be warm or mild with an average temperature of 71.9 ºF. Winters are cold with an average temperature of 32º4, few or no days of sub-zero temperatures, and 26 to 32 inches of snowfall. The average daily high temperature in July is 82ºF. The highest afternoon temperatures occur from July through August and range between the high 70's, and low 80's with temperatures above 85ºF occasionally occurring. The average daily low temperature of 23ºF occurs in January.

The average annual precipitation is between 43 and 44 inches per year, with approximately one-half the annual rainfall occurring from November through March. Including evapotranspiration, the average net precipitation is 42 inches per year. The average wind velocity is 9 miles per hour (mph) and the average humidity is 70 percent. About 106 days per year are described as clear, 133 as partly cloudy, and 136 as cloudy (ANGRC, 1995).

3.2 Base Topography and Drainage

The property is generally flat with subtle rolling terrain and stream channels that slope sown from the north to the south-southeast. Surface elevations from approximately 20 feet (ft) above mean sea level (AMSL) in the southern portion of the property to 70 ft in the northern portion of the base.

There is no surface water drainage at Gabreski ANGB. Surface water runoff is contained within the base and does not discharge to local creeks.

3.3 Geology

Gabreski ANGB is located on a glacial outwash plain that slopes south from the Ronkonkoma Moraine to bays and barrier islands, which form the southern boundary of Long Island. Depth to bedrock beneath the airport ranges from 1500 to 1600 ft. The bedrock is overlain by Cretaceous sediment called the Raritan formation and the Magothy formation (ANG, 2002).

3.4 Soil

The soil types at Gabreski ANGB have been mapped by the Natural Resources Conservation Service (NRCS, 2013) and are as follows:

- Urban land (Ur)- More than 80 percent covered by building and pavement (originally occurring soils, which have been altered by digging, mixing, and moving are likely the Plymouth loamy sand-PI-described below)
- Cut and fill land (Cu)- Gently sloping, complex due to grading and structures
- Plymouth loamy sand (PI)- 0 to 3 percent slope, excessively drained, and resulting from outwash plains and moraines.

3.5 Groundwater/Hydrogeology

Groundwater beneath the site is found within two different aquifers: 1) Lloyd Aquifer—the deepest aquifer, which provides a good source of drinking water in an area where salt water intrusion is common; 2) Magothy (a good source of drinking water); and 3) Upper Glacial the unconfined, shallow surficial aquifer, which is the major source of potable water in the area. This unconfined aquifer consists of very porous and highly permeable coarse sands and gravels, and can yield large quantities of water (ANG, 2002). It is generally 120 ft thick, and flows southeast toward the headwaters of Quantuck Creek. Depth to groundwater varies from 5 ft below ground surface (bgs) in the southern portion of the site to 40 ft at higher elevations.

3.6 Surface Water Hydrology

A detailed description of site topography and drainage is located in Section 3.2 of this Report. Surface runoff is contained within the Base and potential impacts to surface water from operations at Gabreski ANGB are considered negligible for the purpose of this PA/SI Report.

3.7 Critical Habitats /Threatened Endangered Species

According to the U.S. Fish and Wildlife Service (USFWS), there are nine endangered species found in Suffolk County: the piping plover, roseate tern, red knot, sandplain gerardia, seabeach amaranth, Northern long-eared bat, hawksbill sea turtle, leatherback sea turtle, and the green sea turtle (USFWS, 2014). The piping plover, roseate tern, and red knot are all species of births; the status of the piping plover is threatened, the status of the roseate tern is endangered, and the status of the red knot is proposed threatened. The sandplain gerardia and seabeach amaranth are species of flowering plants whose statuses are endangered and threatened, respectively. The Northern long-eared bat is a species of mammal whose status is proposed endangered. The hawksbill sea turtle, leatherback sea turtle, and green sea turtle are all species of reptiles whose statuses are endangered, endangered, and threatened, respectively.

4 Preliminary Assessment

The PA included interviews, records searches, and visual surveys to review available information, evaluate current site conditions and develop recommendations for additional SI activities or NFA for identified AOCs. On-site PA activities were conducted in conjunction with an Installation-specific kickoff meeting at Gabreski ANGB on 25 November 2013.

Data from the two previous investigations and recommendations for additional investigation were presented and discussed in the WP (AECOM, 2014). The findings and SI recommendations are summarized below.

4.1 Previous Investigations

4.1.1 TU014 - Former USTs at Building 218

Two USTs were reported to have been removed from Building 218 in 1996, including UST #2: 550-gallon No. 2 fuel oil and UST #DE2: 275-gallon diesel (BB&E, 2011). Closure documents for these tanks are not available. The approximate locations of the former USTs were determined based on historical drawings and reference to existing structures.

4.1.2 TU013 - Former Building 230-Former Hydraulic Lifts

Seven hydraulic lifts with in-ground sumps for hydraulic oil were located in the former Building 230 for the maintenance of vehicles. Sampling was not conducted when the hydraulic lifts were removed and filled with concrete in 1994. There were no reports of leaks or releases from the former hydraulic lifts and no reports of soil or groundwater sampling conducted in the vicinity to investigate this AOC specifically. Building 230 has been demolished and the area is now an asphalt parking lot. However, the approximate locations of the former lifts were determined based on historical drawings and reference to existing structures.

4.1.3 TU015 - Former Building 276- 2 Former USTs

Two 1,000-gallon gasoline USTs (USTs #37 and #38) were reportedly removed from Building 276 in 1996 (BB&E, 2011). Closure documents for these tanks are not available. The area around the former USTs has been significantly modified during the recent year due to the construction of a new entrance over the former USTs. However, the approximate locations of the former USTs were determined based on historical drawings and reference to existing structures.

4.1.4 DD020 - Building 358-Former Battery Room Drain

Building 358 is an active hangar at the Base. It previously housed a battery room in the northwest corner of the building, which had a floor drain. Although not specially documented in the environmental baseline survey (EBS) or PA at Building 358, it was common practice at ANG facilities to dispose of neutralized acids to the sanitary sewer via building drains. The corrosive chemicals could have potentially resulted in deterioration and leakage from the drain system. BB&E recommended that an inspection or sewer line video survey of the battery room drain be conducted (BB&E, 2011). If evidence of significant deterioration/corrosion was present at the building drains, then subsurface soil sampling for metals and pH analyses would be recommended.

The PA inspection of the Building 358 battery room revealed that it had been replaced with an office at least ten years ago.

4.1.5 TU016 - Building 370-1 Former UST

One 1,200-gallon solvent UST (UST#64) was reportedly removed from Building 370 in 1996. Closure documents for this tank are not available. However, the approximate location of the former UST was determined based on historical drawings and reference to existing structures.

4.1.6 TU017 - Former Building 374-1 Former UST

One 2,500-gallon diesel UST (UST #68) was reportedly removed from Building 374 in 1996. Closure documents for this tank are not available. Building 374 was demolished and a new Building 324 and a transformer pad have been constructed in the area.

However, the approximate location of the former UST was determined based on historical drawings and reference to existing structures.

4.1.7 TU018 and TU019 - Former UST #41 and UST #42

The 2002 EBS identified former waste oil tanks, UST #41: 500-gallon and UST #42: 5,000-gallon as reportedly removed in 1993 (ANG, 2002). However, based on the activities conducted for the PA, documentation as to their former locations or removal is not available. Installation personnel suggest that the tanks may have been removed and replaced with new tanks and that is why they did not show up on existing drawings. In addition, the Suffolk County Department of Health has no current registration records for facility USTs #41 or #42.

4.2 Regulatory Framework

For the purposes of the SI Report, soil and groundwater analytical testing results will be screened against Applicable or Relevant and Appropriate Requirements (ARARs) and other regulatory criteria including:

- NYSDEC Commissioner Policy (CP)-51, Soil Cleanup Guidance
- NYSDEC Technical & Operational Guidance Series (TOGS), 1.1.1 Ambient Water Quality Standards and Guidance Values
- EPA Maximum Contaminant Levels (MCLs) for drinking water
- EPA Regional Screening Levels (RSLs) for residential soil and tap water.

Where multiple criteria exist, the state criterion was used. If a state criterion does not exist, the EPA criterion was used.

4.3 PA/SI Work Plan Recommendations

Table 4-1 outlines the findings of the PA including recommendations for additional investigations at the AOCs at Gabreski ANGB. The field sampling approach for this AOC is summarized in Section 5.

Table 4-1. Summary of the Recommendations from the Preliminary Assessment

EESOH-MIS	Site Description	Recommendation	Rationale
TU014	Former USTs at Building 218	Site Investigation	Based on information obtained during the PA, sampling data and closure documentation for UST removal are not available. Ten borings are proposed in the area of the former USTs at former Building 218 to collect soil and groundwater samples for analysis of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).
TU013	Building 230- Former Hydraulic Lifts	Site Investigation	Based on information obtained during the PA, sampling data and closure documentation for hydraulic lift removal are not available. Fourteen borings are proposed in the area of the former lifts in Building 230 to collect soil and groundwater samples for analysis of VOCs and SVOCs.
TU015	Former Building 276 – 2 Former USTs	Site Investigation	Based on information obtained during the PA, sampling data and closure documentation for UST removal are not available. Four borings are proposed in the area of the former USTs in former Building 276 to collect soil and groundwater samples for analysis of VOCs.
DD020	Building 358 – Former Battery Room Drain	No Further Action	Based on information obtained during the PA, information regarding the location of this former drain on which to base an SI is not available.
TU016	Building 370- 1 Former UST	Site Investigation	Based on information obtained during the PA, sampling data and closure documentation for the UST removal are not available. Five borings are proposed in the area of the former UST in Building 370 to collect soil and groundwater samples for analysis of VOCs and SVOCs.
TU017	Former Building 374 – 1 Former UST	Site Investigation	Based on information obtained during the PA, sampling data and closure documentation for UST removal are not available. Five borings are proposed in the area of the former UST in former Building 374 to collect soil and groundwater samples for analysis of VOCs and SVOCs.
TU018	Former 500 Gallon Waste Oil UST	No Further Action	Based on the information obtained during the PA, information regarding the location of this former waste oil UST on which to base an SI is not available.
TU019	Former 5,000 Gallon Waste Oil UST	No Further Action	Based on information obtained during the PA, information regarding the locations of this former waste oil UST on which to base an SI is not available.

EESOH-MIS Enterprise Environmental Safety and Occupational Health- Management Information System

This page intentionally left blank.

5 SI Field Operations

This section summarizes the 2014 SI field activities conducted at the AOCs at Gabreski ANGB and the analytical results of soil and groundwater sampling. Sampling and analytical activities were conducted in accordance with the procedures specified in the Final WP (AECOM, 2014). Boring logs are provided in Appendix A-1, and analytical data packages for soil and groundwater samples collected during the SI are presented in Appendix B.

5.1 General Approach

5.1.1 Field Sampling

The SI boring locations were based on historical data, potential source areas, and site conditions as observed during the PA. Prior to intrusive activities, utility clearance of all boring locations was conducted by Gabreski ANGB. Soil samples were collected via direct-push technology (DPT).

The soil cores were screened for VOCs with a photoionization detector (PID) immediately upon opening the liner. Lithology for each soil core was recorded on a soil boring log. Recorded information included depth interval, recovery thickness, PID concentrations, moisture, relative density, color, texture, lithological descriptions, odors, groundwater or perched water depth, organic material, cultural debris, or color changes indicating staining.

Two soil samples were generally collected from each boring in the dry soils above the water table interface at the most impacted depth intervals based on field observations including PID readings, odor, or evidence of staining.

If encountered, groundwater was sampled by converting selected borings into secured temporary monitoring wells. The temporary wells were installed using DPT and constructed of a 5-foot section of 1-inch diameter Schedule 40 poly-vinyl chloride screen with casing to ground surface. Following installation, the temporary wells were allowed to equilibrate with the surrounding formation and grab groundwater samples were collected.

Samples were collected into laboratory-supplied containers and submitted to the analytical laboratory for analysis of selected parameters. Samples were packaged on ice and transported daily via overnight commercial carrier under standard chain-of-custody procedures to the laboratory.

Quality control (QC) samples collected as part of the SI included field duplicates, matrix spike and matrix spike duplicate (MS/MSD), and trip blanks. Field duplicates were collected at a rate of 10% with MS/MSD samples collected at the rate of 5%. QC samples were analyzed for the same parameters as the accompanying samples. Trip blanks accompanied each cooler containing samples for VOC analysis. A temperature blank was also placed in each cooler to check that samples are preserved at or below four degrees Celsius during shipment.

Following collection of the soil and groundwater samples, DPT boreholes were abandoned with bentonite and completed at ground surface with concrete as per ANG guidelines.

5.1.2 Deviations from the Work Plan

The following deviations from the WP occurred:

- Due to the presence of multiple utilities in the area of TU017, the fifth boring on the east side of the former UST location was not performed.
- As a result of the depth to groundwater being deeper than anticipated (45 ft bgs on average), and lack of any evidence of contamination (visual, olfactory, and PID measurements), samples from soil borings at TU015, TU016, and TU017 were collected from shallower depths (approximately 20 ft bgs) and not from the depth interval immediately above the soil/groundwater interface.

5.1.3 Data Analysis

As discussed in Section 4.2, analytical results from the 2014 SI were compared against the project action limits (PALs) including appropriate risk-based screening criteria and/or established regulatory criteria to determine whether further investigation is required.

5.1.4 Data Validation

The laboratory analytical data generated during the SI were reviewed for conformance with the project data quality objectives specified in the SI Work Plan and to ensure that the precision and accuracy of the data were adequate for their intended use. All analytical data were found to be useable (as qualified). Appendix D contains the data validation report, which details the scope, quality assurance/ quality control (QA/QC) sample collection and analysis, and results of the analytical data review and validation.

Detected concentrations below the level of quantitation (LOQ) are reported with a 'J' flag. The LOQ is the lowest concentration of a substance that produces a quantitative result within specified limits of precision and bias. Measurements between the detection limit and the LOQ assure the presence of the analyte with confidence, but their numeric values are estimates (DoD, 2009).

Non-detects are reported as the limit of detection (LOD) followed by a 'U' flag. The LOD is the smallest amount or concentration of a substance that must be present in a sample to be detected at a 99% confidence level. The failure to obtain a detection is reported as "<LOD" because the false-negative rate at the LOD is 1% (DoD, 2009).

The data review and validation performed on the entire data set indicates the overall high quality of the definitive-level data collected for this site. None of the data were qualified as rejected and completeness for this data set is 100 percent. Results qualified as an estimated are generally for marginal QC exceedances and blank-qualified results below or near the LOQs, and the qualifications do not significantly affect project objectives.

5.2 Investigation Derived Waste

Investigation-derived waste (IDW) was managed in compliance with the Final WP (AECOM, 2014). One drum of solid IDW and three drums of liquid IDW were containerized in a 55-gallon drums and disposed of offsite at a licensed waste disposal facility by Environmental Waste Solutions, LLC. IDW disposal documentation is included in Appendix D.

5.3 TU014 - Former USTs at Building 218

5.3.1 Field Sampling

Ten borings (SB15 – SB24) were advanced at TU014 as depicted on Figure 5-1. Twenty soil samples (two per boring) and a duplicate were collected and analyzed for VOCs and SVOCs. Two groundwater samples were collected at SB15 and SB20 and analyzed for VOCs and SVOCs.

5.3.2 Results

Soil

Table 5-1 summarizes the analytical results of the soil sampling. Twenty VOCs and fourteen SVOCs were detected in the soil samples. Only acetone exceeded the PALs in two of the samples.

Groundwater

Table 5-2 summarizes the analytical results of the groundwater sampling. Fifteen VOCs and twenty-one SVOCs were detected in the groundwater samples. Concentrations of 1,2,4-Trimethylbenzene, 1,3,5-trimethylbeznene, 4-isopropyltoluene, ethylbenzene, isopropylbenzene, naphthalene, n-propylbenzene, and sec-butylbenzene exceeded their respective PALs in at least one groundwater sample.

Table 5-1. Detected Analytes in Soil at TU014

Location	NYSDEC CP-51 Unrestricted Use	NYSDEC ECL 375-6 Soil Cleanup Objectives	RSL - Residential Soil	TU014 SB15			TU014 SB16		TU014 SB17		TU014 SB18		TU014 SB19	
Sample ID				TU14SB15	TU14SB15	TU14SB15 DUP	TU14SB16	TU14SB16	TU14SB17	TU14SB17	TU14SB18	TU14SB18	TU14SB19	TU14SB19
Sample Date				9/23/2014	9/23/2014	9/23/2014	9/23/2014	9/23/2014	9/23/2014	9/23/2014	9/23/2014	9/23/2014	9/23/2014	9/23/2014
Depth Interval (ft bgs)				12 - 13	34 - 35	34 - 35	11 - 12	34 - 35	20 -21	33 - 34	4 - 5	34 - 35	15 -16	34 - 35
Media				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
VOCs (µg/kg)														
1,2,4-Trimethylbenzene	***3600***	3600	58000	0.16 J	0.18 J	0.15 J	0.74 J	0.16 J	0.2 J	0.2 J	0.24 J	0.17 J	0.57 J	0.19 J
1,2-Dichlorobenzene	***1100***	1100	1800000	0.22 U	0.21 U	0.2 U	0.34 J	0.22 U	0.2 U	0.2 U	0.28 U	0.21 U	0.21 U	0.23 U
1,3,5-Trimethylbenzene	***8400***	8400	780000	0.55 U	0.52 U	0.51 U	0.25 J	0.55 U	0.51 U	0.51 U	0.7 U	0.52 U	0.53 U	0.57 U
1,4-Dichlorobenzene	***1800***	1800	2600	0.22 U	0.21 U	0.2 U	0.28 J	0.22 U	0.2 U	0.2 U	0.28 U	0.21 U	0.21 U	0.23 U
4-Isopropyltoluene	NS	NS	NS	0.55 U	0.52 U	0.51 U	0.53 U	0.55 U	0.51 U	0.51 U	0.7 U	0.52 U	0.53 U	0.57 U
Acetone	***50***	50	61000000	13 UJ	17 UJ	16 UJ	**67**	15 UJ	24 UJ	17 UJ	46	14 UJ	**81**	14 UJ
Benzene	***60***	60	1200	0.55 U	0.52 U	0.51 U	0.61 J	0.55 U	0.51 U	0.51 U	4.7	0.52 U	0.62 J	0.57 U
Carbon Disulfide	NS	NS	***770000***	0.55 U	0.52 U	0.51 U	6	0.55 U	0.47 J	0.42 J	0.48 J	0.52 U	10	0.57 U
Chlorobenzene	***1100***	1100	280000	0.17 J	0.23 J	0.51 U	0.22 J	0.55 U	0.18 J	0.2 J	0.7 U	0.52 U	0.2 J	0.17 J
Ethylbenzene	***1000***	1000	5800	5.3	5.4 J	3.4 J	6.4	5.4	5.5	5.3	5.2	3.6	6.7	4.9
Isopropylbenzene	NS	NS	***1900000***	0.22 U	0.21 U	0.2 U	0.16 J	0.22 U	0.2 U	0.2 U	0.28 U	0.21 U	0.15 J	0.23 U
Naphthalene	***12000***	12000	3800	0.55 U	0.52 U	0.51 U	5.2 J	0.55 U	0.51 U	0.51 U	0.7 U	0.52 U	4.1 J	0.57 U
n-Butylbenzene	***12000***	NS	3900000	0.55 U	0.52 U	0.51 U	0.53 U	0.55 U	0.51 U	0.51 U	0.7 U	0.52 U	0.53 U	0.57 U
n-Propylbenzene	***3900***	3900	3300000	0.55 U	0.52 U	0.51 U	0.53 U	0.55 U	0.51 U	0.51 U	0.7 U	0.52 U	0.53 U	0.57 U
sec-Butylbenzene	***11000***	1100	7800000	0.55 U	0.52 U	0.51 U	0.53 U	0.55 U	0.51 U	0.51 U	0.7 U	0.52 U	0.53 U	0.57 U
Styrene	NS	NS	***6000000***	0.22 U	0.21 U	0.2 U	0.21 U	0.22 U	0.58 J	0.2 U	0.28 U	0.21 U	0.21 U	0.23 U
Toluene	***700***	700	4900000	9.5	11 J	6.3 J	12	9.4	10	9.7	9.8	6.3	12	9
Trichlorofluoromethane	NS	NS	***730000***	0.55 U	0.52 U	0.51 U	0.55 J	0.55 U	0.51 U	0.51 U	0.7 U	0.52 U	0.53 U	0.57 U
Xylene, Meta + Para	NS	NS	NS	21	22 J	13 J	26	22	21	21	20	14	28	20
Xylene, Ortho	NS	NS	***6500000***	4.8	4.7 J	3 J	6.3	4.6	4.9	4.8	4.5	3.2	6.3	4.7
SVOCs (µg/kg)														
Benzo(a)anthracene	***1000***	1000	150	8.6 U	8.7 U	8.5 U	170 J	8.6 U	2.8 J	8.5 U	160 J	8.6 U	--	8.6 U
Benzo(a)pyrene	***1000***	22000	15	8.6 U	8.7 U	8.5 U	120 J	8.6 U	8.5 U	8.5 U	170 J	8.6 U	--	8.6 U
Benzo(b)fluoranthene	***1000***	1700	150	8.6 U	8.7 U	8.5 U	210 J	8.6 U	3.2 J	8.5 U	280	8.6 U	--	8.6 U
Benzo(g,h,i)perylene	***100000***	1000000	NS	8.6 U	8.7 U	8.5 U	73 J	8.6 U	8.5 U	8.5 U	89 J	8.6 U	--	8.6 U
Benzo(k)fluoranthene	***800***	1700	1500	8.6 U	8.7 U	8.5 U	80 J	8.6 U	8.5 U	8.5 U	110 J	8.6 U	--	8.6 U
Benzoic Acid	NS	NS	***250000000***	88 J	170 U	89 J	3500 U	84 J	170 U	89 J	1800 U	91 J	--	88 J
Bis(2-ethylhexyl) Phthalate	NS	NS	***38000***	67 UJ	60 UJ	71 UJ	1500 B	93 UJ	260 B	60 UJ	180 U	53 UJ	--	62 UJ
Butyl Benzyl Phthalate	NS	NS	***280000***	17 U	17 U	17 U	140 J	17 U	17 U	17 U	180 U	17 U	--	17 U
Chrysene	***1000***	1000	15000	17 U	17 U	17 U	180 J	17 U	17 U	17 U	170 J	17 U	--	17 U
Di-n-butyl Phthalate	NS	NS	***6200000***	34 U	28 J	34 U	700 U	34 U	34 U	34 U	350 U	34 U	--	34 U
Fluoranthene	***100000***	1000000	2300000	17 U	17 U	17 U	390	17 U	4.6 J	17 U	310	17 U	--	17 U
Indeno(1,2,3-cd)pyrene	***500***	8200	150	8.6 U	8.7 U	8.5 U	73 J	8.6 U	8.5 U	8.5 U	70 J	8.6 U	--	8.6 U
Phenanthrene	***100000***	1000000	NS	17 U	17 U	17 U	400	17 U	4.3 J	17 U	110 J	17 U	--	17 U
Pyrene	***100000***	1000000	1700000	17 U	17 U	17 U	370	17 U	4.6 J	17 U	360	17 U	--	17 U

Notes:
Only compounds detected one or more times are presented in this table
Italicized and bolded value indicates screening criterion used
Highlighted cell indicates analyte was detected
Bold value indicates analyte detected above screening level
µg/kg = micrograms per kilogram

Data Qualifiers:
J = Estimated concentration
U = Not detected at or above concentration shown
UJ = Not detected at or above estimated concentration shown
DUP = Duplicate Sample
NS = No screening criteria available

Table 5-1 . Detected Analytes in Soil at TU014 (Continued)

Location	NYSDEC CP-51 Unrestricted Use	NYSDEC ECL 375-6 Soil Cleanup Objectives	RSL - Residential Soil	TU014 SB20		TU014 SB21		TU014 SB22		TU014 SB23		TU014 SB24	
Sample ID				TU14SB20	TU14SB20	TU14SB21	TU14SB21	TU14SB22	TU14SB22	TU14SB23	TU14SB23	TU14SB24	TU14SB24
Sample Date				9/24/2014	9/24/2014	9/24/2014	9/24/2014	9/24/2014	9/24/2014	9/24/2014	9/24/2014	9/24/2014	9/24/2014
Depth Interval (ft. bgs)				32 - 33	4 - 5	32 - 33	4 - 5	25 - 26	32 - 33	24 - 25	32 - 33	6 - 7	32 - 33
Media				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
VOCs (µg/kg)													
1,2,4-Trimethylbenzene	3600	3600	58000	8.7	0.52 U	0.69 J	0.55 U	0.52 U	0.24 J	0.56 U	2.6	0.23 J	0.34 J
1,2-Dichlorobenzene	1100	1100	1800000	0.21 U	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U	0.22 U	0.21 U	0.3 U	0.21 U
1,3,5-Trimethylbenzene	8400	8400	780000	4	0.52 U	0.48 J	0.55 U	0.52 U	0.52 U	0.56 U	1.4	0.75 U	0.24 J
1,4-Dichlorobenzene	1800	1800	2600	0.21 U	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U	0.22 U	0.21 U	0.3 U	0.21 U
4-Isopropyltoluene	NS	NS	NS	1.2	0.52 U	0.52 U	0.55 U	0.52 U	0.52 U	0.56 U	0.51 U	0.75 U	0.52 U
Acetone	50	50	61000000	5.1 U	5.2 U	5.2 U	6.5 UJ	5.2 U	5.2 U	5.6 U	5.1 U	30	5.2 U
Benzene	60	60	1200	0.51 U	0.52 U	0.52 U	0.55 U	0.52 U	0.52 U	0.56 U	0.51 U	0.35 J	0.52 U
Carbon Disulfide	NS	NS	770000	0.51 U	0.52 U	0.52 U	0.55 U	0.52 U	0.52 U	0.56 U	0.51 U	11	0.52 U
Chlorobenzene	1100	1100	280000	0.51 U	0.52 U	0.52 U	0.55 U	0.52 U	0.52 U	0.56 U	0.51 U	0.75 U	0.52 U
Ethylbenzene	1000	1000	5800	1.4	0.52 U	0.52 U	0.55 U	0.52 U	0.52 U	0.56 U	0.57 J	0.75 U	0.52 U
Isopropylbenzene	NS	NS	1900000	0.64 J	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U	0.22 U	0.42 J	0.3 U	0.21 U
Naphthalene	12000	12000	3800	5 J	0.52 U	0.52 U	0.55 U	0.52 U	0.52 U	0.56 U	0.51 U	0.75 U	0.52 U
n-Butylbenzene	12000	NS	3900000	1.8	0.52 U	0.32 J	0.55 U	0.52 U	0.52 U	0.56 U	0.29 J	0.75 U	0.52 U
n-Propylbenzene	3900	3900	3300000	1.4	0.52 U	0.52 U	0.55 U	0.52 U	0.52 U	0.56 U	0.56 J	0.75 U	0.52 U
sec-Butylbenzene	11000	1100	7800000	0.94 J	0.52 U	0.52 U	0.55 U	0.52 U	0.52 U	0.56 U	0.51 U	0.75 U	0.52 U
Styrene	NS	NS	6000000	0.21 U	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U	0.22 U	0.21 U	0.3 U	0.21 U
Toluene	700	700	4900000	0.2 J	0.12 J	0.14 J	0.18 J	0.13 J	0.18 J	0.17 J	0.14 J	0.71 J	0.16 J
Trichlorofluoromethane	NS	NS	730000	0.51 U	0.52 U	0.52 U	0.55 U	0.52 U	0.52 U	0.56 U	0.51 U	0.75 U	0.52 U
Xylene, Meta + Para	NS	NS	NS	4.3	0.32 J	0.39 J	0.31 J	0.4 J	0.57 J	0.51 J	1.1 J	0.78 J	0.4 J
Xylene, Ortho	NS	NS	6500000	0.3 J	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U	0.22 U	0.21 U	0.3 U	0.21 U
SVOCs (µg/kg)													
Benzo(a)anthracene	1000	1000	150	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	87 U	8.6 U	8.5 U	29 J	8.6 U
Benzo(a)pyrene	1000	22000	15	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	87 U	8.6 U	8.5 U	33 J	8.6 U
Benzo(b)fluoranthene	1000	1700	150	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	87 U	8.6 U	8.5 U	62 J	8.6 U
Benzo(g,h,i)perylene	100000	1000000	NS	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	87 U	8.6 U	8.5 U	22 J	8.6 U
Benzo(k)fluoranthene	800	1700	1500	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	87 U	8.6 U	8.5 U	26 J	8.6 U
Benzoic Acid	NS	NS	250000000	87 J	89 J	88 J	88 J	87 J	1700 U	88 J	84 J	1800 U	170 U
Bis(2-ethylhexyl) Phthalate	NS	NS	38000	65 UJ	62 UJ	68 UJ	60 UJ	52 UJ	530 B	64 UJ	52 UJ	380 UJ	120 UJ
Butyl Benzyl Phthalate	NS	NS	280000	17 U	17 U	17 U	17 U	17 U	170 U	17 U	17 U	180 U	17 U
Chrysene	1000	1000	15000	17 U	17 U	17 U	17 U	17 U	170 U	17 U	17 U	180 U	17 U
Di-n-butyl Phthalate	NS	NS	6200000	22 J	41 J	34 U	34 U	51 J	350 U	15 J	34 U	350 U	34 U
Fluoranthene	100000	1000000	2300000	17 U	17 U	17 U	17 U	17 U	170 U	17 U	17 U	55 J	17 U
Indeno(1,2,3-cd)pyrene	500	8200	150	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	87 U	8.6 U	8.5 U	88 U	8.6 U
Phenanthrene	100000	1000000	NS	17 U	17 U	17 U	17 U	17 U	170 U	17 U	17 U	180 U	17 U
Pyrene	100000	1000000	1700000	17 U	17 U	17 U	17 U	17 U	170 U	17 U	17 U	58 J	17 U

Notes:
Only compounds detected one or more times are presented in this table
Italicized and bolded value indicates screening criterion used
Highlighted cell indicates analyte was detected
Bold value indicates analyte detected above screening level
µg/kg = micrograms per kilogram

Data Qualifiers:
J = Estimated concentration
U = Not detected at or above concentration shown
UJ = Not detected at or above estimated concentration shown
DUP = Duplicate Sample
NS = No screening criteria available

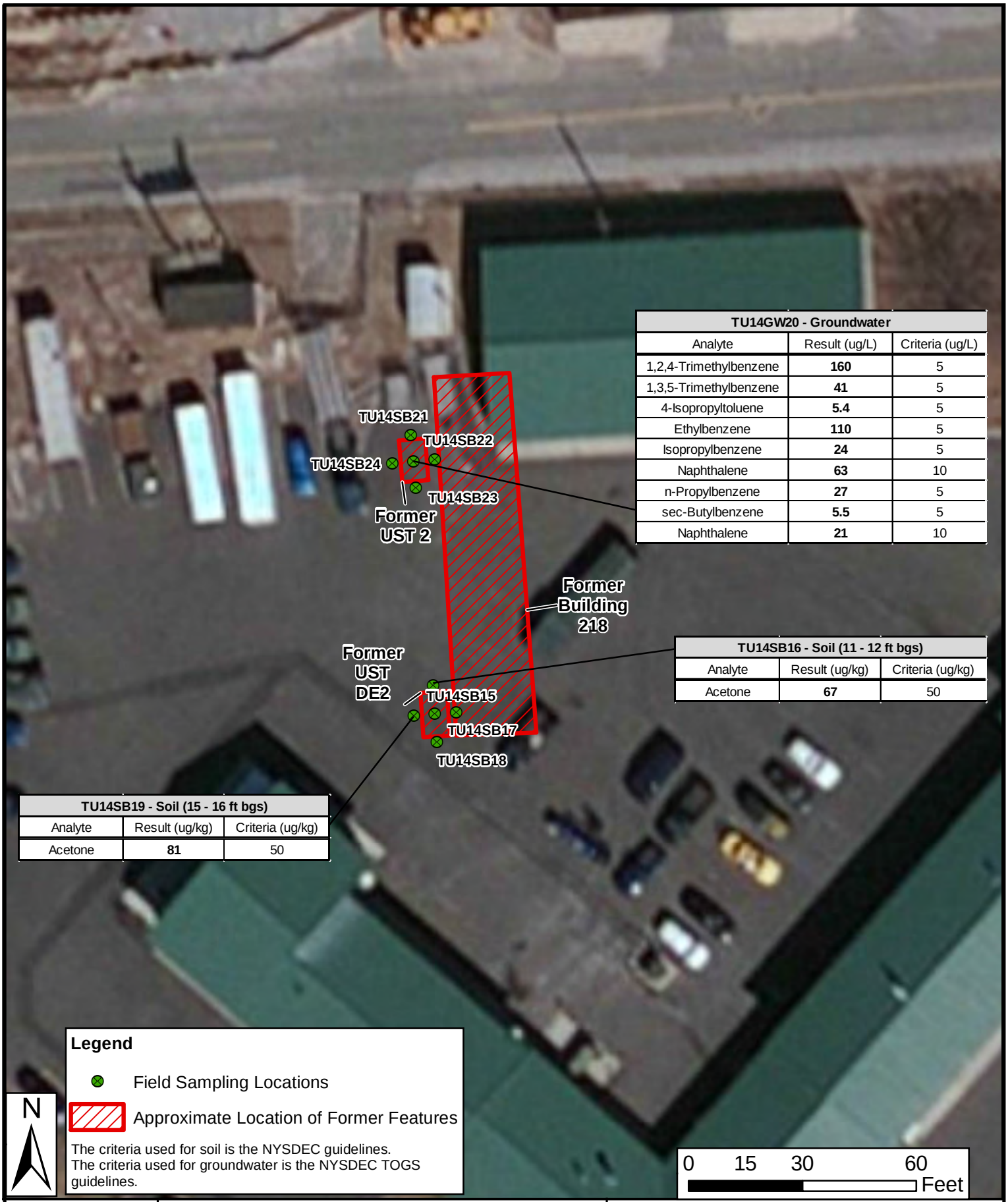
Table 5-2. Detected Analytes in Groundwater at TU014

Location	NYSDEC TOGS - Drinking Water	MCL	RSL - Tapwater	TU014	
Sample ID				TU14GW15	TU14GW20
Sample Date				9/23/2014	9/24/2014
Media				Groundwater	Groundwater
VOCs (µg/L)					
1,2,4-Trimethylbenzene	***5***	NS	15	0.5 U	**160**
1,2-Dichlorobenzene	***3***	600	300	0.2 U	0.45 J
1,3,5-Trimethylbenzene	***5***	NS	120	0.5 U	**41**
1,3-Dichlorobenzene	***3***	NS	NS	0.2 U	0.16 J
4-Isopropyltoluene	***5***	NS	NS	0.5 U	**5.4**
Carbon Disulfide	NS	NS	***810***	0.43 J	0.44 J
Ethylbenzene	***5***	700	1.5	0.2 U	**110**
Isopropylbenzene	***5***	NS	450	0.5 U	**24**
Naphthalene	***10***	NS	0.17	0.5 U	**63**
n-Propylbenzene	***5***	NS	660	0.5 U	**27**
sec-Butylbenzene	***5***	NS	2000	0.5 U	**5.5**
tert-Butylbenzene	***5***	NS	690	0.5 U	0.64 J
Toluene	***5***	1000	1100	0.37 J	0.51 J
Xylene, Meta + Para	NS	NS	NS	0.4 U	390
Xylene, Ortho	***5***	NS	190	0.5 U	3.9
SVOCs (µg/L)					
1,2-Dichlorobenzene	***3***	600	300	0.1 U	0.25 J
1,3-Dichlorobenzene	***3***	NS	NS	0.1 U	0.1 J
1,4-Dichlorobenzene	***3***	75	0.48	0.05 U	0.1 J
2,4-Dimethylphenol	***2***	NS	360	0.5 U	0.56 J
2-Methylnaphthalene	NS	NS	***36***	0.052 J	7.9
2-Methylphenol	NS	NS	***930***	0.2 U	0.28 J
3+4-Methylphenol	NS	NS	***930***	0.2 U	1.3 J
Acenaphthene	***20***	NS	530	0.1 U	0.13 J
Acenaphthylene	NS	NS	NS	0.05 U	0.062 J
Benzoic Acid	NS	NS	***75000***	2.7 J	2 U
Benzyl Alcohol	NS	NS	***2000***	0.1 U	0.2 J
Butyl Benzyl Phthalate	***50***	NS	16	0.094 J	0.16 J
Dibenzofuran	NS	NS	***7.9***	0.1 U	0.19 J
Diethyl Phthalate	***50***	NS	15000	0.21 J	0.26 J
Dimethyl Phthalate	***50***	NS	NS	0.062 J	0.1 U
Di-n-butyl Phthalate	***50***	NS	900	0.32 J	0.86 J
Fluorene	***50***	NS	290	0.1 U	0.21 J
Isophorone	***50***	NS	78	0.1 U	0.12 J
Naphthalene	***10***	NS	0.17	0.1 J	**21**
Phenanthrene	***50***	NS	NS	0.1 U	0.12 J
Phenol	***2***	NS	5800	0.073 J	0.1 U

Notes:
Only compounds detected one or more times are presented in this table
Italicized and bolded value indicates screening criterion used
Highlighted cell indicates analyte was detected
Bold value indicates analyte detected above screening level
µg/L = micrograms per liter

Data Qualifiers:
J = Estimated concentration
U = Not detected at or above concentration shown
NS = No screening criteria available

This page intentionally left blank.



TU14GW20 - Groundwater		
Analyte	Result (ug/L)	Criteria (ug/L)
1,2,4-Trimethylbenzene	**160**	5
1,3,5-Trimethylbenzene	**41**	5
4-Isopropyltoluene	**5.4**	5
Ethylbenzene	**110**	5
Isopropylbenzene	**24**	5
Naphthalene	**63**	10
n-Propylbenzene	**27**	5
sec-Butylbenzene	**5.5**	5
Naphthalene	**21**	10

TU14SB16 - Soil (11 - 12 ft bgs)		
Analyte	Result (ug/kg)	Criteria (ug/kg)
Acetone	**67**	50

TU14SB19 - Soil (15 - 16 ft bgs)		
Analyte	Result (ug/kg)	Criteria (ug/kg)
Acetone	**81**	50

CONTRACT NO 60308608	
CARTOGRAPHY BY B. Perrigo	
CHECKED BY K. Kwasniak	DATE January 2015
SCALE 1" = 30'	SHEET 1 of 1
Fig_5-1_Gabreski_Field_Sampling_Locations_TU014.mxd	

Gabreski Air National Guard Base

Figure 5-1
Gabreski Air National Guard Base
TU014 SI Field Sampling Locations
Westhampton Beach, New York

AECOM

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

This page intentionally left blank.

5.4 TU013 – Hydraulic Lifts in Building 230

5.4.1 Field Sampling

Fourteen borings (SB01-SB14) were advanced at TU013 as depicted on Figure 5-2. Twenty-eight soil samples and one duplicate sample from the deeper interval at SB14 were collected and analyzed for VOCs and SVOCs. Seven groundwater samples from SB02, SB03, SB05, SB08, SB09, SB12, and SB13 were collected and analyzed for VOCs and SVOCs.

5.4.2 Results

Soil

Table 5-3 summarizes the analytical results of the soil sampling. Thirteen VOCs and seventeen SVOCs were detected in the samples; however, none of the detected analytes exceeded their respective PALs.

Groundwater

Table 5-4 summarizes the analytical results of the groundwater sampling. Five VOCs and eighteen SVOCs were detected in the groundwater samples. Bis(2-ethylhexyl)phthalate was the only detected analyte to exceed the PAL.

This page intentionally left blank.

Table 5-3. Detected Analytes in Soil at TU013

Location	NYSDEC CP-51 Unrestricted Use	NYSDEC ECL 375-6 Soil Cleanup Objectives	RSL - Residential Soil	TU013 SB01		TU013 SB02		TU013 SB03		TU013 SB04		TU013 SB05		TU013 SB06		TU013 SB07	
Sample ID				TU13SB01	TU13SB01	TU13SB02	TU13SB02	TU13SB03	TU13SB03	TU13SB04	TU13SB04	TU13SB05	TU13SB05	TU13SB06	TU13SB06	TU13SB07	TU13SB07
Sample Date				9/25/2014	9/25/2014	9/25/2014	9/25/2014	9/25/2014	9/25/2014	9/25/2014	9/25/2014	9/25/2014	9/25/2014	9/25/2014	9/25/2014	9/25/2014	9/25/2014
Depth Interval (ft bgs)				6 - 8	31 - 32	13 - 14	32 - 33	11 - 12	32 - 33	6 - 7	32 - 33	11 - 12	32 - 33	13 -14	32 - 33	6 - 8	32 - 33
Media				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
VOCs (µg/kg)																	
1,1,1-Trichloroethane	***680***	680	8100000	0.52 U	0.57 U	0.56 U	0.57 U	0.51 U	0.57 U	0.55 U	0.59 U	0.33 J	0.54 U	0.37 J	0.54 U	0.42 J	0.56 U
1,1-Dichloroethane	***270***	270	3600	0.52 U	0.57 U	0.56 U	0.57 U	0.51 U	0.57 U	0.55 U	0.59 U	0.51 U	0.54 U	0.6 U	0.54 U	0.52 U	0.56 U
1,2,4-Trimethylbenzene	***3600***	3600	58000	0.14 J	0.14 J	0.56 U	0.57 U	0.27 J	0.57 U	0.21 J	0.59 U	0.51 U	0.54 U	0.6 U	0.54 U	0.16 J	0.56 U
2-Butanone (MEK)	***120***	120	27000000	5.2 U	5.7 U	5.6 U	5.7 U	5.1 U	5.7 U	5.5 U	5.9 U	2.6 J	5.4 U	6 U	5.4 U	2 J	5.6 U
Acetone	***50***	50	61000000	5.2 U	5.7 U	6.8 UJ	5 UJ	11 UJ	8.5 UJ	13 UJ	5.9 U	18 UJ	9.5 UJ	6.2 UJ	5.4 U	17 UJ	7.7 UJ
Benzene	***60***	60	1200	0.52 U	0.57 U	0.56 U	0.57 U	0.21 J	0.57 U	0.26 J	0.59 U	0.51 U	0.54 U	0.6 U	0.54 U	0.52 U	0.56 U
Carbon Disulfide	NS	NS	***770000***	0.3 J	0.32 J	0.56 U	0.57 U	1.1	0.57 U	2.3	0.59 U	0.87 J	0.54 U	0.6 U	0.54 U	0.57 J	0.56 U
Ethylbenzene	***1000***	1000	5800	0.52 U	0.57 U	0.56 U	0.57 U	0.51 U	0.57 U	0.55 U	0.59 U	0.51 U	0.54 U	0.6 U	0.54 U	0.52 U	0.56 U
Isopropylbenzene	NS	NS	***1900000***	0.21 U	0.23 U	0.22 U	0.23 U	0.21 U	0.23 U	0.12 J	0.24 U	0.21 U	0.22 U	0.24 U	0.22 U	0.21 U	0.22 U
Tetrachloroethene	***1300***	1300	24000	24	0.64 J	1.4	0.57 U	11	0.57 U	1.5	0.59 U	3.5	0.54 U	10	0.54 U	2.9	0.56 U
Toluene	***700***	700	4900000	0.28 J	0.21 J	0.39 J	0.17 J	0.42 J	0.19 J	0.45 J	0.19 J	0.26 J	0.12 J	0.31 J	0.12 J	0.18 J	0.15 J
Xylene, Meta + Para	NS	NS	NS	0.51 J	0.44 J	0.45 U	0.4 J	0.58 J	0.3 J	0.57 J	0.39 J	0.6 J	0.28 J	0.31 J	0.26 J	0.38 J	0.26 J
Xylene, Ortho	NS	NS	***650000***	0.21 U	0.23 U	0.22 U	0.23 U	0.25 J	0.23 U	0.4 J	0.24 U	0.21 U	0.22 U	0.24 U	0.22 U	0.21 U	0.22 U
SVOCs (µg/kg)																	
Benzo(a)anthracene	***1000***	1000	150	87 U	86 U	87 U	8.5 U	86 U	8.5 U	170 U	8.8 U	86 U	8.5 U	90 U	8.5 U	50 J	8.5 U
Benzo(a)pyrene	***1000***	22000	15	87 U	86 U	87 U	8.5 U	25 J	8.5 U	170 U	8.8 U	86 U	8.5 U	90 U	8.5 U	43 J	8.5 U
Benzo(b)fluoranthene	***1000***	1700	150	87 U	86 U	87 U	8.5 U	39 J	8.5 U	43 J	8.8 U	86 U	8.5 U	90 U	8.5 U	68 J	8.5 U
Benzo(g,h,i)perylene	***100000***	1000000	NS	87 U	86 U	87 U	8.5 U	86 U	8.5 U	170 U	8.8 U	86 U	8.5 U	90 U	8.5 U	87 U	8.5 U
Benzo(k)fluoranthene	***800***	1700	1500	87 U	86 U	87 U	8.5 U	86 U	8.5 U	170 U	8.8 U	86 U	8.5 U	90 U	8.5 U	39 J	8.5 U
Benzoic Acid	NS	NS	***250000000***	1700 U	1700 U	1800 U	88 J	1700 U	93 J	3400 U	91 J	1700 U	89 J	1800 U	89 J	1700 U	90 J
Bis(2-ethylhexyl) Phthalate	NS	NS	***38000***	990 B	630 B	180 U	71 UJ	430 B	43 UJ	1300 B	180 UJ	250 UJ	98 UJ	180 U	59 UJ	150 UJ	170 UJ
Butyl Benzyl Phthalate	NS	NS	***280000***	170 U	220 J	180 U	17 U	78 J	17 U	430 J	62	54 J	17 U	180 U	17 U	170 U	27 J
Chrysene	***1000***	1000	15000	170 U	170 U	180 U	17 U	170 U	17 U	340 U	18 U	170 U	17 U	180 U	17 U	50 J	17 U
Dibenz(a,h)anthracene	***330***	1000000	15	87 U	86 U	87 U	8.5 U	86 U	8.5 U	170 U	8.8 U	86 U	8.5 U	90 U	8.5 U	87 U	8.5 U
Diethyl Phthalate	NS	NS	***49000000***	170 U	170 U	180 U	17 U	170 U	17 U	340 U	5.4 J	170 U	17 U	180 U	17 U	170 U	17 U
Di-n-butyl Phthalate	NS	NS	***6200000***	350 U	340 U	350 U	34 U	340 U	21 J	690 U	35 U	340 U	34 U	360 U	40 J	350 U	27 J
Fluoranthene	***100000***	1000000	2300000	170 U	170 U	180 U	17 U	170 U	17 U	340 U	18 U	170 U	17 U	180 U	17 U	72 J	17 U
Indeno(1,2,3-cd)pyrene	***500***	8200	150	87 U	86 U	87 U	8.5 U	86 U	8.5 U	170 U	8.8 U	86 U	8.5 U	90 U	8.5 U	87 U	8.5 U
Phenanthrene	***100000***	1000000	NS	170 U	170 U	180 U	17 U	170 U	17 U	340 U	18 U	170 U	17 U	180 U	17 U	46 J	17 U
Phenol	***330***	330	18000000	170 U	170 U	180 U	17 U	170 U	17 U	340 U	18 U	170 U	17 U	180 U	5.6 J	170 U	17 U
Pyrene	***100000***	1000000	1700000	170 U	170 U	180 U	17 U	170 U	17 U	340 U	18 U	170 U	17 U	180 U	17 U	97 J	17 U

Notes:
Only compounds detected one or more times are presented in this table
Italicized and bolded value indicates screening criterion used
Highlighted cell indicates analyte was detected
Bold value indicates analyte detected above screening level
µg/kg = micrograms per kilogram

Data Qualifiers:
B = Result is judged to be an artifact because of contamination in associated blanks
J = Estimated concentration
U = Not detected at or above concentration shown
UJ = Not detected at or above estimated concentration shown
DUP = Duplicate Sample
NS = No screening criteria available

Table 5-3 . Detected Analytes in Soil at TU013 (Continued)

Location	NYSDEC CP-51 Unrestricted Use	NYSDEC ECL 375-6 Soil Cleanup Objectives	RSL - Residential Soil	TU013 SB08		TU013 SB09		TU013 SB10		TU013 SB11		TU013 SB12		TU013 SB13		TU013 SB14		
Sample ID				TU13SB08	TU13SB08	TU13SB09	TU13SB09	TU13SB10	TU13SB10	TU13SB11	TU13SB11	TU13SB12	TU13SB12	TU13SB13	TU13SB13	TU13SB14	TU13SB14	TU13SB14 DUP
Sample Date				9/29/2014	9/29/2014	9/29/2014	9/29/2014	9/29/2014	9/29/2014	9/29/2014	9/29/2014	9/30/2014	9/30/2014	9/30/2014	9/30/2014	9/30/2014	9/30/2014	9/30/2014
Depth Interval (ft bgs)				12 - 15	32 - 34	15 - 20	32 - 34	10 - 15	32 - 34	15 - 20	32 - 34	12 - 15	32 - 34	15 - 20	32 - 34	10 - 15	32 - 34	32 - 34
Media				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
VOCs (µg/kg)																		
1,1,1-Trichloroethane	***680***	680	8100000	0.52 U	0.56 U	0.6 U	0.6 U	2.7	0.62 U	0.61 U	0.71 J	1.6	1.7	0.82 U	0.62 U	5.4	1.4 J	5.1 J
1,1-Dichloroethane	***270***	270	3600	0.52 U	0.56 U	0.6 U	0.6 U	0.57 U	0.62 U	0.61 U	0.66 U	0.52 U	1.4	0.82 U	0.62 U	0.63 U	0.59 U	0.55 U
1,2,4-Trimethylbenzene	***3600***	3600	58000	0.52 U	0.56 U	0.6 U	0.6 U	0.57 U	0.62 U	0.61 U	0.19 J	0.52 U	0.66 U	0.82 U	0.62 U	0.63 U	0.19 J	0.55 U
2-Butanone (MEK)	***120***	120	27000000	5.2 U	5.6 U	6 U	6 U	3.1 J	3.4 J	6.1 U	6 J	5.2 U	4.4 J	8.2 U	6.2 U	6.3 U	3.9 J	5.5 U
Acetone	***50***	50	61000000	25 UJ	27 UJ	23 UJ	17 UJ	32	19 UJ	9.3 UJ	43	25 UJ	52 UJ	12 UJ	11 UJ	14 UJ	38 UJ	13 UJ
Benzene	***60***	60	1200	0.52 U	0.56 U	0.6 U	0.6 U	0.57 U	0.62 U	0.61 U	0.66 U	0.52 U	0.66 U	0.82 U	0.62 U	0.63 U	0.59 U	0.55 U
Carbon Disulfide	NS	NS	***770000***	0.52 U	0.56 U	0.6 U	0.6 U	0.57 U	0.62 U	0.61 U	3.2	0.52 U	0.5 J	0.82 U	0.62 U	0.63 U	1.2	0.55 U
Ethylbenzene	***1000***	1000	5800	1.2	1.4	1.3	1.6	1.3	1.7	1.5	2	1.4	0.98 J	1.2 J	0.9 J	0.96 J	0.5 J	0.82 J
Isopropylbenzene	NS	NS	***1900000***	0.21 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.24 U	0.25 J	0.21 U	0.27 U	0.33 U	0.25 U	0.25 U	0.24 U	0.22 U
Tetrachloroethene	***1300***	1300	24000	5.9	0.56 U	0.6 U	0.6 U	29	0.62 U	0.61 U	1.1 J	2	1.1 J	0.82 U	0.62 U	0.63 U	0.59 U	0.34 J
Toluene	***700***	700	4900000	1.7	2	1.9	2.4	2.3	2.4	2.2	2.9	1.9	1.3	1.5 J	0.94 J	1.1 J	0.68 J	0.83 J
Xylene, Meta + Para	NS	NS	NS	4.6	5.7	5.4	6.4	5.1	6.9	6.4	7.8	5.9	4	4.7	3.6	3.7	1.9 J	3.2 J
Xylene, Ortho	NS	NS	***650000***	1.1	1.7	1.5	1.8	1.5	1.9	1.6	2.2	1.6	1 J	1.5 J	1.1 J	1.1 J	0.62 J	1 J
SVOCs (µg/kg)																		
Benzo(a)anthracene	***1000***	1000	150	14 J	8.5 U	8.5 U	8.5 U	89 U	17 U	8.5 U	170 UJ	8.7 U	43 U	8.5 U	8.5 U	33 J	43 UJ	8.7 U
Benzo(a)pyrene	***1000***	22000	15	14 J	8.5 U	8.5 U	8.5 U	26 J	17 U	8.5 U	56 J	2.6 J	43 U	8.5 U	8.5 U	35 J	43 UJ	2.9 J
Benzo(b)fluoranthene	***1000***	1700	150	26 J	8.5 U	8.5 U	8.5 U	37 J	4.2 J	8.5 U	56 J	3.3 J	11 J	8.5 U	8.5 U	67 J	12 J	5 J
Benzo(g,h,i)perylene	***100000***	1000000	NS	44 U	8.5 U	8.5 U	8.5 U	26 J	17 U	8.5 U	170 UJ	8.7 U	43 U	8.5 U	8.5 U	21 J	43 UJ	2.1 J
Benzo(k)fluoranthene	***800***	1700	1500	12 J	8.5 U	8.5 U	8.5 U	22 J	17 U	8.5 U	56 J	2.6 J	11 J	8.5 U	8.5 U	32 J	43 UJ	3.2 J
Benzoic Acid	NS	NS	***250000000***	880 U	85 J	170 U	89 J	1800 U	340 U	170 U	3400 UJ	97 J	860 U	93 J	90 J	450 J	850 UJ	96 J
Bis(2-ethylhexyl) Phthalate	NS	NS	***38000***	74 UJ	95 UJ	64 UJ	56 UJ	140 UJ	260 B	63 UJ	950 J	50	710	49	34	87 U	490 J	47 J
Butyl Benzyl Phthalate	NS	NS	***280000***	88 U	17 U	17 U	17 U	180 U	19 J	17 U	820 J	17 U	30 J	17 U	17 U	87 U	30 J	17 U
Chrysene	***1000***	1000	15000	21 J	17 U	17 U	17 U	180 U	34 U	17 U	340 UJ	17 U	86 U	17 U	17 U	49 J	85 UJ	17 U
Dibenz(a,h)anthracene	***330***	1000000	15	44 U	8.5 U	8.5 U	8.5 U	89 U	17 U	8.5 U	170 UJ	8.7 U	43 U	8.5 U	8.5 U	11 J	43 UJ	8.7 U
Diethyl Phthalate	NS	NS	***49000000***	88 U	17 U	17 U	17 U	180 U	34 U	17 U	340 UJ	9.9 J	86 U	11 J	8.2 J	87 U	85 UJ	9.7 J
Di-n-butyl Phthalate	NS	NS	***6200000***	170 U	34 U	34 U	34 U	360 U	68 U	34 U	690 UJ	25 J	170 U	34 U	34 U	170 U	170 UJ	35 U
Fluoranthene	***100000***	1000000	2300000	88 U	17 U	17 U	17 U	180 U	34 U	17 U	340 UJ	17 U	86 U	17 U	17 U	63 J	85 UJ	17 U
Indeno(1,2,3-cd)pyrene	***500***	8200	150	44 U	8.5 U	8.5 U	8.5 U	41 J	17 U	8.5 U	170 UJ	8.7 U	43 U	8.5 U	8.5 U	23 J	43 UJ	8.7 U
Phenanthrene	***100000***	1000000	NS	88 U	17 U	17 U	17 U	180 U	34 U	17 U	340 UJ	17 U	86 U	17 U	17 U	47 J	85 UJ	17 U
Phenol	***330***	330	18000000	28 J	16 J	5.5 J	6.4 J	180 U	34 U	4.2 J	340 UJ	17 U	86 U	17 U	17 U	87 U	85 UJ	17 U
Pyrene	***100000***	1000000	1700000	25 J	17 U	17 U	17 U	180 U	34 U	17 U	340 UJ	17 U	86 U	17 U	17 U	72 J	85 UJ	17 U

Notes:
Only compounds detected one or more times are presented in this table
Italicized and bolded value indicates screening criterion used
Highlighted cell indicates analyte was detected
Bold value indicates analyte detected above screening level
µg/kg = micrograms per kilogram

Data Qualifiers:
B = Result is judged to be an artifact because of contamination in associated blanks
J = Estimated concentration
U = Not detected at or above concentration shown
UJ = Not detected at or above estimated concentration shown
DUP = Duplicate Sample
NS = No screening criteria available

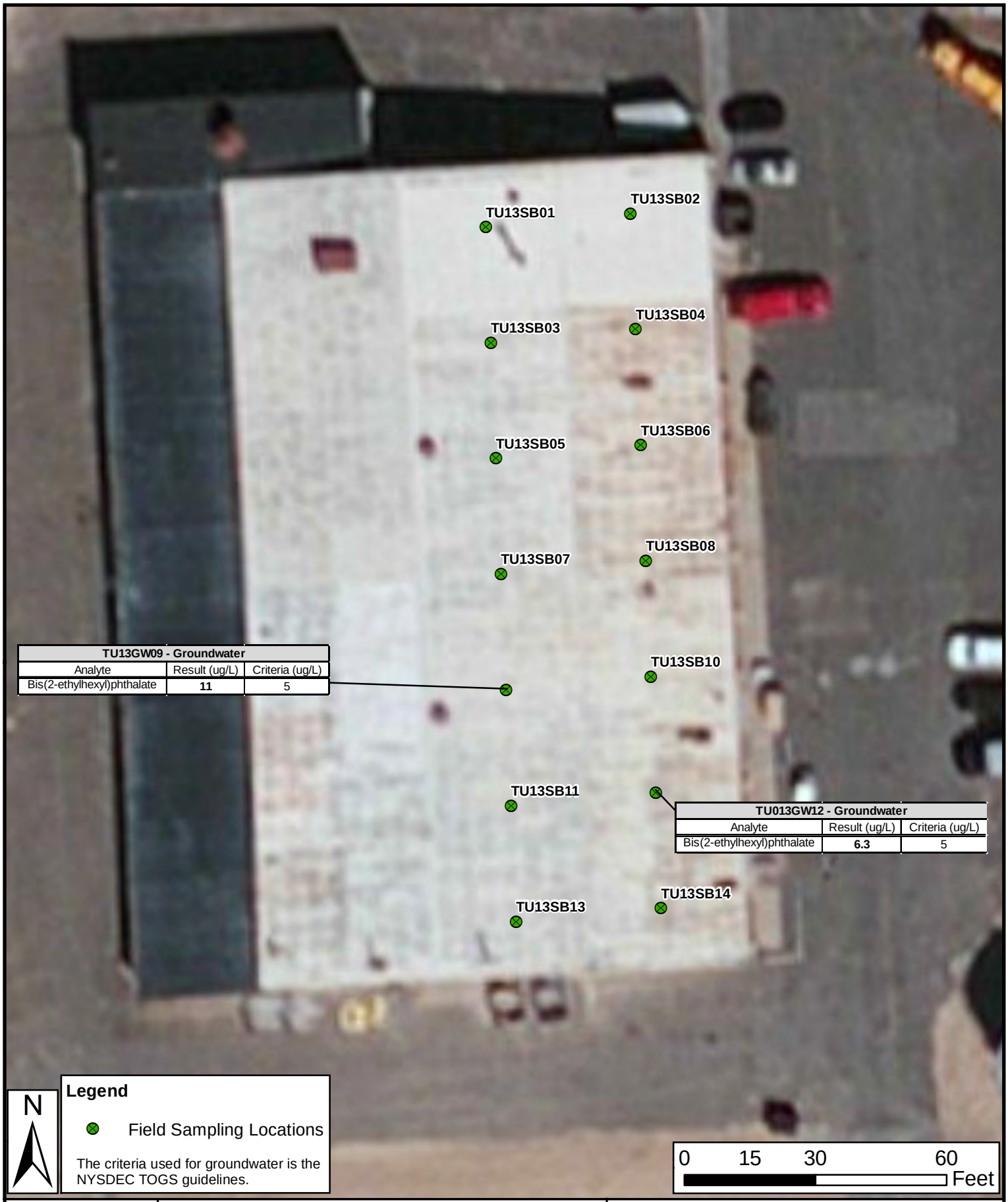
Table 5-4. Detected Analytes in Groundwater at TU013

Location	NYSDEC TOGS - Drinking Water	MCL	RSL - Tapwater	TU013						
Sample ID				TU13GW02	TU13GW03	TU13GW05	TU13GW08	TU13GW09	TU13GW12	TU13GW13
Sample Date				9/25/2014	9/25/2014	9/25/2014	9/29/2014	9/29/2014	9/30/2014	9/30/2014
Media				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
VOCs (µg/L)										
1,2-Dichlorobenzene	***3***	600	300	0.2 U	0.51 J	0.2 U	0.33 J	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	***3***	NS	NS	0.2 U	0.41 J	0.2 U	1.1	0.2 U	0.37 J	0.2 U
1,4-Dichlorobenzene	***3***	75	0.48	0.2 U	0.3 J	0.2 U	1	0.2 U	0.44 J	0.2 U
Carbon Disulfide	NS	NS	***810***	0.2 U	0.48 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	***5***	5	11	0.5 U	0.58 J	1	0.5 U	0.92 J	0.63 J	0.62 J
SVOCs (µg/L)										
1,2,4-Trichlorobenzene	***5***	70	1.1	0.11 U	0.11 J	0.043 J	0.16 J	0.1 U	0.21 J	0.11 U
1,2-Dichlorobenzene	***3***	600	300	0.11 U	0.38 J	0.075 J	0.25 J	0.1 U	0.22 J	0.11 U
1,3-Dichlorobenzene	***3***	NS	NS	0.11 U	0.27 J	0.16 J	0.69	0.1 U	0.29 J	0.11 U
1,4-Dichlorobenzene	***3***	75	0.48	0.055 U	0.26 J	0.086 J	0.68	0.05 U	0.29 J	0.056 U
2-Methylnaphthalene	NS	NS	***36***	0.044 J	0.68	0.043 J	0.51	0.021 J	0.092 J	0.056 U
Acenaphthene	***20***	NS	530	0.11 U	0.11 J	0.11 U	0.081 J	0.1 U	0.1 U	0.11 U
Benzoic Acid	NS	NS	***75000***	2.9 J	2.8 J	2.8 J	2.8 J	2.6 J	3.2 J	2.8 J
Benzyl Alcohol	NS	NS	***2000***	0.11 U	0.14 J	0.11 U	0.28 J	0.1 U	0.071 J	0.11 U
Bis(2-ethylhexyl) Phthalate	***5***	6	5.6	3.7 UJ	2.6 UJ	1.8 UJ	2.7	**11**	**6.3**	4.6
Butyl Benzyl Phthalate	***50***	NS	16	0.077 J	0.12 J	0.065 J	0.061 J	0.14 J	0.082 J	0.22 U
Dibenzofuran	NS	NS	***7.9***	0.11 U	0.065 J	0.11 U	0.061 J	0.1 U	0.061 J	0.11 U
Diethyl Phthalate	***50***	NS	15000	0.11 J	0.13 J	0.097 J	0.17 J	0.13 J	0.12 J	0.12 J
Dimethyl Phthalate	***50***	NS	NS	0.055 J	0.065 J	0.054 J	0.071 J	0.062 J	0.061 J	0.056 J
Di-n-butyl Phthalate	***50***	NS	900	0.3 J	0.35 J	0.24 J	0.37 J	0.44 J	0.27 J	0.24 J
Fluorene	***50***	NS	290	0.11 U	0.18 J	0.11 U	0.22 J	0.1 U	0.082 J	0.11 U
Naphthalene	***10***	NS	0.17	0.066 J	0.52 J	0.054 J	0.1 J	0.041 J	0.041 J	0.11 U
Phenanthrene	***50***	NS	NS	0.11 U	0.17 J	0.11 U	0.12 J	0.1 U	0.051 J	0.11 U
Phenol	***2***	NS	5800	0.055 J	0.098 J	0.065 J	0.061 J	0.1 U	0.1 U	0.11 U

Notes:
Only compounds detected one or more times are presented in this table
Italicized and bolded value indicates screening criterion used
Highlighted cell indicates analyte was detected
Bold value indicates analyte detected above screening level
µg/L = micrograms per liter

Data Qualifiers:
J = Estimated concentration
U = Not detected at or above concentration shown
UJ = Not detected at or above the estimated concentration shown
NS = No screening criteria available

This page intentionally left blank.



CONTRACT NO 60308608	Gabreski Air National Guard Base
CARTOGRAPHY BY B. Perrigo	Figure 5-2 Gabreski Air National Guard Base TU013 SI Field Sampling Locations Westhampton Beach, New York
CHECKED BY K. Kwasniak / DATE January 2015	
SCALE 1" = 30' / SHEET 1 of 1	
Fig_5-2_Gabreski_Field_Sampling_Locations_TU013.mxd	

AECOM

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

This page intentionally left blank.

5.5 TU015 – Former USTs in Former Building 276

5.5.1 Field Sampling

Four borings (SB25-SB28) were advanced at TU015 as depicted on Figure 5-3. Six soil samples (two samples from both SB25 and SB27, and one sample each from SB26 and SB28) and two groundwater samples (from SB25 and SB27) were collected and analyzed for VOCs.

5.5.2 Results

Soil

Table 5-5 summarizes the analytical results of the soil sampling. Eleven VOCs were detected in the soil samples; however, none of the detected analytes exceeded their respective PALs.

Groundwater

Table 5-6 summarizes the analytical results of the groundwater sampling. Two VOCs were detected in the groundwater samples, but neither of the detected analytes exceeded their respective PALs.

This page intentionally left blank.

Table 5-5. Detected Analytes in Soil at TU017

Location	NYSDEC CP-51 Unrestricted Use	NYSDEC ECL 375-6 Soil Cleanup Objectives	RSL - Residential Soil	TU015 SB25		TU015 SB26	TU015 SB27		TU015 SB28
Sample ID				TU15SB25	TU15SB25	TU15SB26	TU15SB27	TU15SB27	TU15SB28
Sample Date				9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014
Depth Interval (ft. bgs)				26 - 27	44 - 45	9 - 10	21 - 22	44 - 45	14 - 15
Media				Soil	Soil	Soil	Soil	Soil	Soil
VOCS (µg/kg)									
1,2,4-Trimethylbenzene	***3600***	3600	58000	0.65 J	0.56 U	0.19 J	0.2 J	0.2 J	0.19 J
1,3,5-Trimethylbenzene	***8400***	8400	780000	0.2 J	0.56 U	0.52 U	0.57 U	0.63 U	0.55 U
Acetone	***50***	50	61000000	28	5.6 U	15 UJ	16 UJ	6.3 U	5.5 U
Benzene	***60***	60	1200	0.28 J	0.56 U	0.52 U	0.18 J	0.63 U	0.17 J
Carbon Disulfide	NS	NS	***770000***	0.79 J	0.56 U	0.52 U	0.32 J	0.63 U	0.55 U
Chlorobenzene	***1100***	1100	280000	0.23 J	0.2 J	0.18 J	0.26 J	0.23 J	0.22 J
Ethylbenzene	***1000***	1000	5800	8.3	5.9	4.6	7	5	6.6
Naphthalene	***12000***	12000	3800	4 J	0.56 U	0.52 U	0.57 U	0.63 U	0.55 U
Toluene	***70***	700	4900000	16	11	8.5	14	11	14
Xylene, Meta + Para	NS	NS	NS	34	24	18	28	20	26
Xylene, Ortho	NS	NS	***650000***	7.4	5.1	4.1	6.1	4.3	5.8

Notes: Only compounds detected one or more times are presented in this table
Italicized and bolded value indicates screening criterion used
Highlighted cell indicates analyte was detected
Bold value indicates analyte detected above screening level
µg/kg = micrograms per kilogram

Data Qualifiers: J = Estimated concentration
U = Not detected at or above concentration shown
UJ = Not detected at or above estimated concentration shown
NS = No screening criteria available

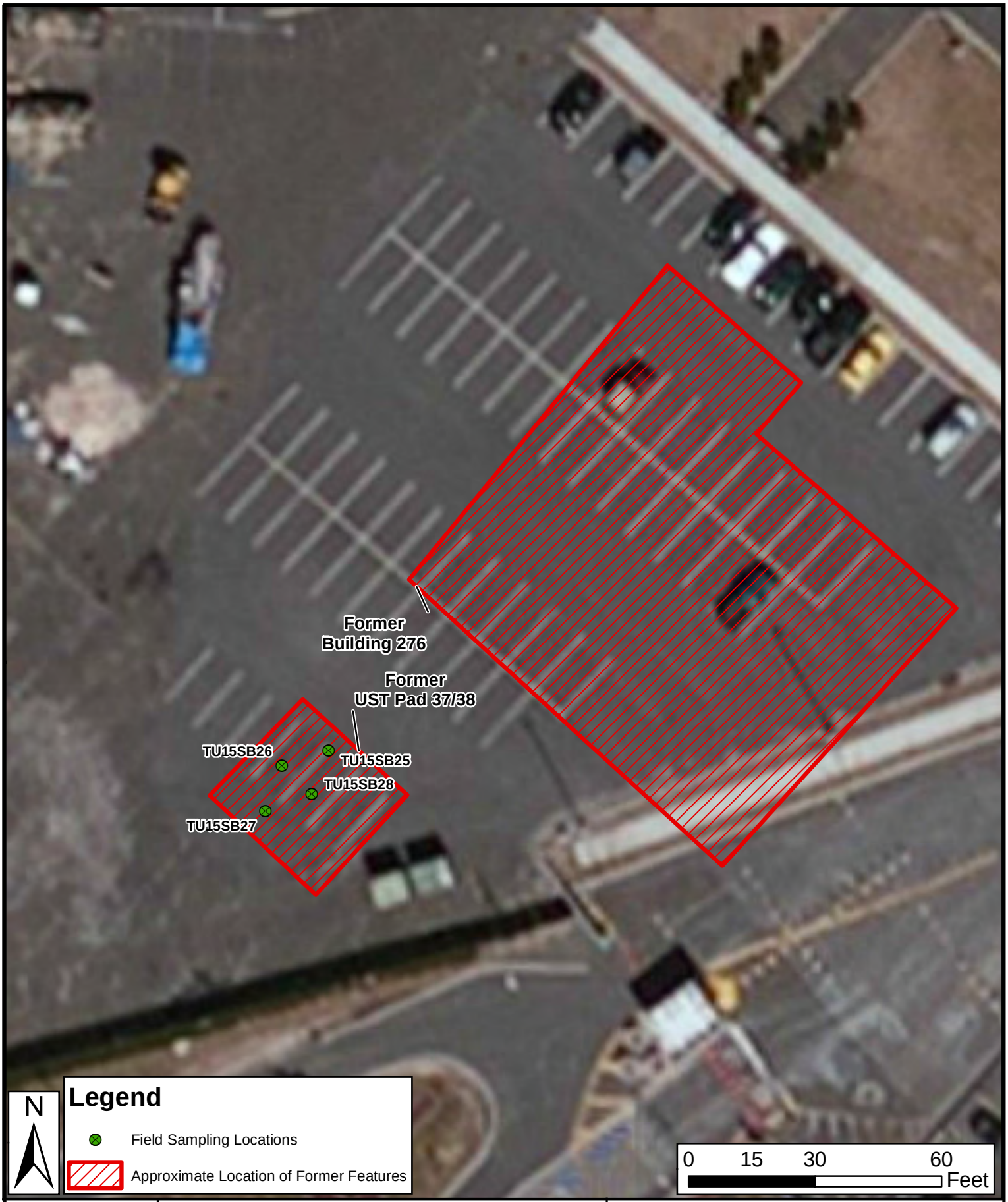
Table 5-6. Detected Analytes in Groundwater at TU015

Location	**NYSDEC TOGS - Drinking Water**	**MCL**	**RSL - Tapwater**	TU015	
Sample ID				TU15GW25	TU15GW27
Sample Date				9/22/2014	9/22/2014
Media				Groundwater	Groundwater
VOCs (µg/L)					
Toluene	***5***	1000	1100	0.41 J	0.34 J
Xylene, Meta + Para	NS	NS	NS	0.4 U	0.22 J

Notes:
Only compounds detected one or more times are presented in this table
Italicized and bolded value indicates screening criterion used
Highlighted cell indicates analyte was detected
Bold value indicates analyte detected above screening level
µg/L = micrograms per liter

Data Qualifiers:
J = Estimated concentration
U = Not detected at or above concentration shown
NS = No screening criteria available

This page intentionally left blank.



CONTRACT NO 60308608	Gabreski Air National Guard Base
CARTOGRAPHY BY B. Perrigo	Figure 5-3 Gabreski Air Nat3onal Guard Base TU015 SI Field Sampling Locations Westhampton Beach, New York
CHECKED BY K. Kwasniak / DATE January 2015	
SCALE 1" = 30' / SHEET 1 of 1	
Fig_5-3_Gabreski_Field_Sampling_Locations_TU015.mxd	

AECOM

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

This page intentionally left blank.

5.6 TU016 – Former USTs in Building 370

5.6.1 Field Sampling

Five borings (SB29-SB33) were advanced at TU016 as depicted on Figure 5-4. Six soil samples (two samples from SB29 and one sample from each boring SB30 and SB33) and two duplicate samples from SB29 were collected and analyzed for VOCs and SVOCs. One groundwater sample was collected from SB29 and analyzed for VOCs and SVOCs.

5.6.2 Results

Soil

Table 5-7 summarizes the analytical results of the soil sampling. Eleven VOCs and nine SVOCs were detected in the soil samples. Acetone was detected at a concentration exceeding the PAL in one soil sample.

Groundwater

Table 5-8 summarizes the analytical results of the groundwater sampling. Four SVOCs were detected in the groundwater samples; however, none of the detected analytes exceeded their respective PALs.

This page intentionally left blank.

Table 5-7. Detected Analytes in Soil at TU016

Location	NYSDEC ECL 375-6 Soil Cleanup Objectives	NYSDEC CP-51 Unrestricted Use	RSL - Residential Soil	TU016 SB29				TU016 SB30	TU016 SB31	TU16 SB32	TU016 SB33
Sample ID				TU16SB29	TU16SB29 DUP	TU16SB29	TU16SB29 DUP	TU16SB30	TU16SB31	TU16SB32	TU16SB33
Sample Date				9/26/2014	9/26/2014	9/26/2014	9/26/2014	9/26/2014	9/26/2014	9/26/2014	9/26/2014
Depth Interval (ft. bgs)				14 - 15	14 - 15	42 - 44	42 - 44	7 - 8	7 - 8	15 -17	9 - 10
Media				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
VOCs (µg/kg)											
2-Butanone (MEK)	***120***	120	27000000	3.7 J	3.5 J	2.7 J	3.1 J	4.6 U	6.5	5.5 U	3 J
Acetone	***50***	50	61000000	23 UJ	27 UJ	11 UJ	19 UJ	21 UJ	**67**	23 UJ	30
Benzene	***60***	60	1200	0.55 U	0.57 U	0.57 U	0.52 U	0.16 J	0.2 J	0.55 U	0.59 U
Carbon Disulfide	NS	NS	***770000***	0.55 U	0.57 U	0.57 U	0.52 U	0.25 J	0.59 J	1.1	0.59 U
Ethylbenzene	***1000***	1000	5800	1.2	1.1	1.1	0.98 J	1.4	1.5	1 J	1.1 J
Styrene	NS	NS	***6000000***	0.22 U	0.23 U	0.23 U	0.32 J	0.18 U	0.21 U	0.22 U	0.24 U
Tetrachloroethene	***1300***	1300	24000	0.55 U	0.89 J	0.57 U	0.52 U	43	11	1.1	4.9
Toluene	***700***	700	4900000	1.7	1.6	1.5	1.3	1.9	5.1	1.6	1.5
Trichloroethene	***470***	470	940	0.55 U	0.57 U	0.57 U	0.52 U	0.57 J	0.52 U	0.55 U	0.59 U
Xylene, Meta + Para	NS	NS	NS	4.7	4.1	4.1	3.8	5.3	5.7	4	4.2
Xylene, Ortho	NS	NS	***650000***	1.3	1.1	1.2	1.1	1.4	1.5	1.2	1.3
SVOCs (µg/kg)											
Benzo(a)pyrene	***22000***	1000	15	8.6 U	8.7 U	8.7 U	7.1 J	18 U	58 J	6.3 J	92 U
Benzo(b)fluoranthene	***1700***	1000	150	8.6 U	8.7 U	8.7 U	6.4 J	4.6 J	66 J	11 J	92 U
Benzo(g,h,i)perylene	***1000000***	100000	NS	8.6 U	8.7 U	8.7 U	7.8 J	18 U	66 J	4.2 J	22 J
Benzo(k)fluoranthene	***1700***	800	1500	8.6 U	8.7 U	8.7 U	6.4 J	18 U	80 J	6.3 J	92 U
Benzoic Acid	NS	NS	***250000000***	89 J	85 J	96 J	340 U	190 J	3700 U	170 J	1800 U
Bis(2-ethylhexyl) Phthalate	NS	NS	***38000***	42 UJ	41 UJ	59 UJ	69 UJ	68 UJ	370 U	620 B	130 UJ
Dibenz(a,h)anthracene	***1000000***	330	15	8.6 U	8.7 U	8.7 U	4.9 J	18 U	180 U	17 U	92 U
Indeno(1,2,3-cd)pyrene	***8200***	500	150	8.6 U	8.7 U	8.7 U	13 J	18 U	80 J	17 U	92 U
Phenol	***330***	330	18000000	12 J	9.1 J	17 J	20 J	42 J	370 U	13 J	44 J

Notes:
Only compounds detected one or more times are presented in this table
Italicized and bolded value indicates screening criterion used
Highlighted cell indicates analyte was detected
Bold value indicates analyte detected above screening level
µg/kg = micrograms per kilogram

Data Qualifiers:
J = Estimated concentration
U = Not detected at or abvoe concentration shown
UJ = Not detected at or above estimated concentration shown
DUP = Duplicate Sample
NS = No screening criteria available

Table 5-8. Detected Analytes in Groundwater at TU016

Location	**NYSDEC TOGS - Drinking Water**	**MCL**	**RSL - Tapwater**	TU016
Sample ID				TU16GW29
Sample Date				9/26/2014
Media				Groundwater
SVOCs (µg/L)				
2-Methylnaphthalene	NS	NS	***36***	0.083 J
Diethyl Phthalate	***50***	NS	15000	0.15 J
Naphthalene	***10***	NS	0.17	0.11 J
Phenanthrene	***50***	NS	NS	0.052 J

Notes:
- Only compounds detected one or more times are presented in this table
- Italicized and bolded value indicates screening criterion used
- Highlighted cell indicates analyte was detected
- Bold value indicates analyte detected above screening level
- µg/L = micrograms per liter

Data Qualifiers:
- J = Estimated concentration
- NS = No screening criteria available

This page intentionally left blank.



TU16SB31 - Soil (7 - 8 ft bgs)		
Analyte	Result (ug/kg)	Criteria (ug/kg)
Acetone	**67**	50

Legend

Field Sampling Locations

Approximate Location of Former Features

The criteria used for soil is the NYSDEC guidelines.

N

0 15 30 60 Feet

CONTRACT NO 60308608	
CARTOGRAPHY BY B. Perrigo	
CHECKED BY K. Kwasniak	DATE January 2015
SCALE 1" = 30'	SHEET 1 of 1
Fig_5-4_Gabreski_Field_Sampling_Locations_TU016.mxd	

Gabreski Air National Guard Base

Figure 5-4
Gabreski Air National Guard Base
TU016 SI Field Sampling Locations
Westhampton Beach, New York

AECOM

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

This page intentionally left blank.

5.7 TU017 – Former USTs in Former Building 374

5.7.1 Field Sampling

Four borings (SB34 through SB36 and SB38) were advanced at TU017 as depicted in Figure 5-5. Five soil samples (two samples from SB34 and one sample from each SB35, SB36, and SB38) and two duplicate samples were collected and analyzed for VOCs and SVOCs. One groundwater sample was collected from SB34 and analyzed for VOCs and SVOCs.

5.7.2 Results

Soil

Table 5-9 summarizes the analytical results of the soil sampling. Nine VOCs and twenty-five SVOCs were detected in the soil samples. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene exceeded their respective PALs in the shallow sample at SB34.

Groundwater

Table 5-10 summarizes the analytical results of the groundwater sampling. Two VOCs and five SVOCs were detected in the groundwater samples. Bis(2-ethylhexyl)phthalate exceeded the PAL.

This page intentionally left blank.

Table 5-9. Detected Analytes in Soil at TU017

Location	NYSDEC CP-51 Unrestricted Use	NYSDEC ECL 375-6 Soil Cleanup Objectives	RSL - Residential Soil	TU017 SB34			TU017 SB35	TU017 SB36	TU017 SB38	
Sample ID				TU17SB34	TU17SB34	TU17SB34 DUP	TU17SB35	TU17SB36	TU17SB38	TU17SB38 DUP
Sample Date				10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
Depth Interval (ft. bgs)				10 - 15	35 - 37	35 - 37	10 - 15	15 - 20	10 - 15	10 - 15
Media				Soil	Soil	Soil	Soil	Soil	Soil	Soil
VOCs (µg/kg)										
1,2,4-Trimethylbenzene	***3600***	3600	58000	0.41 J	0.52 U	0.56 U	0.62 U	0.68 U	0.61 U	0.64 U
1,4-Dichlorobenzene	***1800***	1800	2600	0.4 J	0.21 U	0.22 U	0.25 U	0.27 U	0.24 U	0.26 U
2-Butanone (MEK)	***120***	120	27000000	4.4 UJ	2.6 UJ	2.8 UJ	2.1 J	6.8 U	1.9 UJ	6.4 U
Carbon Disulfide	NS	NS	***770000***	0.28 J	0.3 J	0.45 J	0.62 U	0.68 U	0.61 U	0.64 U
Ethylbenzene	***1000***	1000	5800	0.81 J	0.52 U	0.56 U	0.62 U	0.68 U	0.61 U	0.64 U
Naphthalene	***12000***	12000	3800	12	2.4 J	3 J	0.62 U	0.68 U	0.61 U	0.64 U
Toluene	***700***	700	4900000	0.82 J	0.16 J	0.2 J	0.16 J	0.27 J	0.18 J	0.13 J
Trichloroethene	***470***	470	940	0.53 J	0.52 U	0.56 U	0.62 U	0.68 U	0.61 U	0.64 U
Xylene, Meta + Para	NS	NS	NS	0.97 J	0.53 J	0.64 J	0.47 J	0.75 J	0.48 J	0.41 J
SVOCs (µg/kg)										
2-Methylnaphthalene	NS	NS	***230000***	200	17 U	17 U	35 U	35 U	34 U	17 U
2-Methylphenol	NS	NS	***3100000***	7.3 J	8.7 U	8.6 U	17 U	17 U	17 U	8.5 U
3+4-Methylphenol	NS	NS	***3100000***	22	8.7 U	8.6 U	17 U	17 U	17 U	8.5 U
Acenaphthene	***20000***	98000	3500000	1400	17 U	17 U	35 U	35 U	34 U	17 U
Anthracene	***100000***	1000000	17000000	1400	5.5 J	5.3 J	35 U	35 U	34 U	17 U
Benzo(a)anthracene	***1000***	1000	150	**2700**	15 J	12 J	17 U	17 U	17 U	8.5 U
Benzo(a)pyrene	***1000***	22000	15	**2100**	13 J	9.8 J	17 U	17 U	17 U	8.5 U
Benzo(b)fluoranthene	***1000***	1700	150	**2800**	22	16 J	17 U	17 U	17 U	8.5 U
Benzo(g,h,i)perylene	***100000***	1000000	NS	490	5.5 J	3.5 J	17 U	17 U	17 U	8.5 U
Benzo(k)fluoranthene	***800***	1700	1500	**1200**	11 J	7.7 J	17 U	17 U	17 U	8.5 U
Benzoic Acid	NS	NS	***250000000***	170 U	87 J	170 U	180 J	180 J	340 U	92 J
Benzyl Alcohol	NS	NS	***6200000***	4.9 J	17 U	17 U	35 U	35 U	34 U	17 U
Bis(2-ethylhexyl) Phthalate	NS	NS	***38000***	120	920	460	41 J	94	49 J	58
Carbazole	NS	NS	NS	670	17 U	17 U	35 U	35 U	34 U	17 U
Chrysene	***1000***	1000	15000	**2600**	14 J	11 J	35 U	35 U	34 U	17 U
Dibenz(a,h)anthracene	***330***	1000000	15	130	2.4 J	8.6 U	17 U	17 U	17 U	8.5 U
Dibenzofuran	NS	NS	***72000***	430	17 U	17 U	35 U	35 U	34 U	17 U
Diethyl Phthalate	NS	NS	***49000000***	9.1 J	10 J	5.3 J	35 U	35 U	34 U	8.3 J
Fluoranthene	***100000***	1000000	2300000	5400	30	26	35 U	35 U	34 U	17 U
Fluorene	***30000***	386000	2300000	690	17 U	17 U	35 U	35 U	34 U	17 U
Indeno(1,2,3-cd)pyrene	***500***	8200	150	**510**	5.5 J	4.2 J	17 U	17 U	17 U	8.5 U
Naphthalene	***12000***	12000	3800	600	17 U	17 U	35 U	35 U	34 U	17 U
Phenanthrene	***100000***	1000000	NS	5000	24	22	35 U	35 U	34 U	17 U
Phenol	***330***	330	18000000	13 J	17 U	17 U	35 U	35 U	34 U	17 U
Pyrene	***100000***	1000000	1700000	4300	25	22	35 U	35 U	34 U	17 U

Notes:
Only compounds detected one or more times are presented in this table
Italicized and bolded value indicates screening criterion used
Highlighted cell indicates analyte was detected
Bold value indicates analyte detected above screening level
µg/kg = micrograms per kilogram

Data Qualifiers:
J = Estimated concentration
U = Not detected at or above concentration shown
UJ = Not detected at or above estimated concentration shown
DUP = Duplicate Sample
NS = No screening criteria available

This page intentionally left blank.

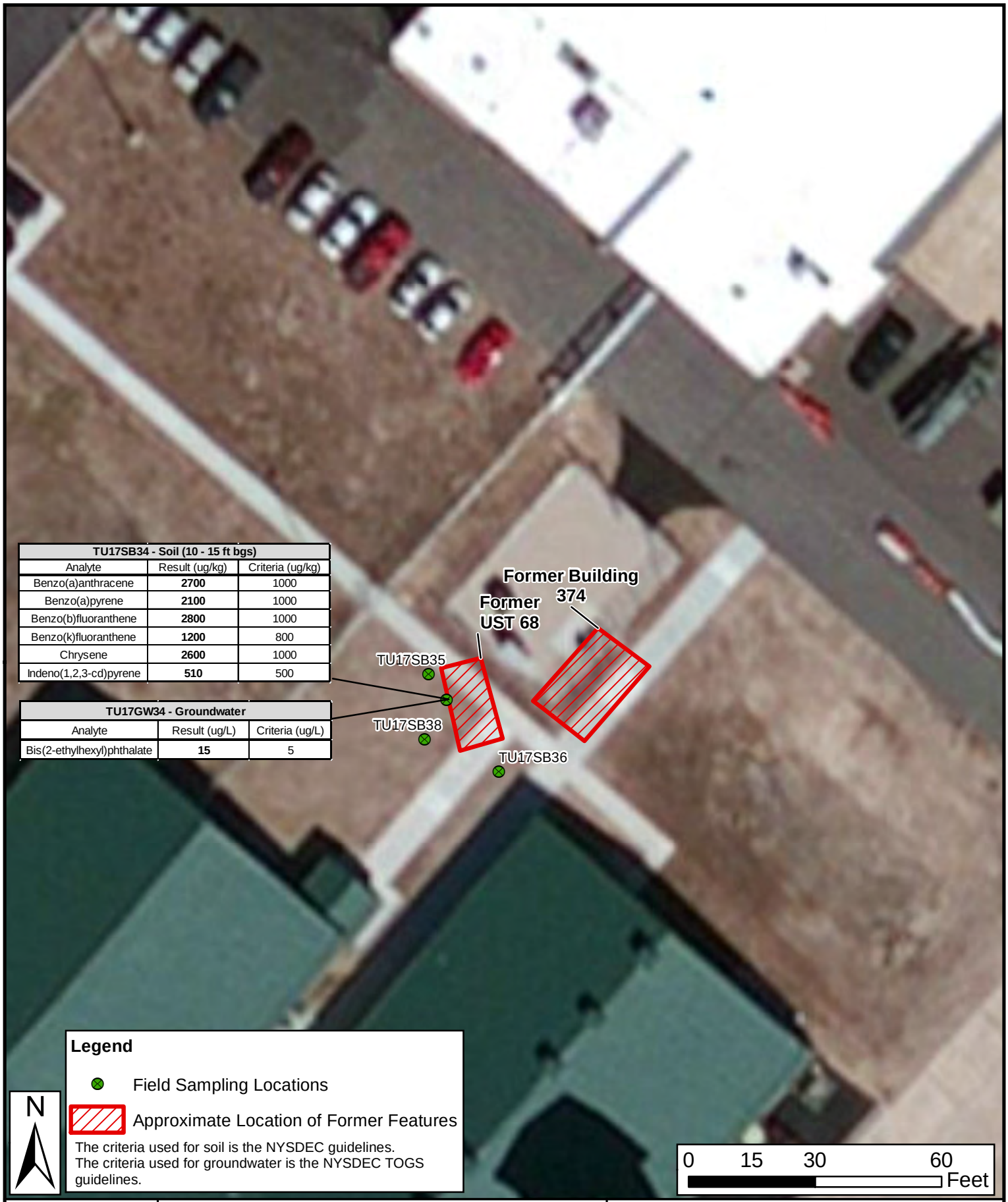
Table 5-10. Detected Analytes in Groundwater at TU017

Location	**NYSDEC TOGS - Drinking Water**	**MCL**	**RSL - Tapwater**	TU017
Sample ID				TU17GW34
Sample Date				10/1/2014
Media				Groundwater
VOCs (µg/L)				
Acetone	***50***	NS	14000	2 J
Trichloroethene	***5***	5	0.49	0.44 J
SVOCs (µg/L)				
Bis(2-ethylhexyl) Phthalate	***5***	6	5.6	**15**
Butyl Benzyl Phthalate	***50***	NS	16	0.061 J
Dimethyl Phthalate	***50***	NS	NS	0.051 J
Di-n-butyl Phthalate	***50***	NS	900	0.2 J
Naphthalene	***10***	NS	0.17	0.031 J

Notes:
- Only compounds detected one or more times are presented in this table
- Italicized and bolded value indicates screening criterion used
- Highlighted cell indicates analyte was detected
- Bold value indicates analyte detected above screening level
- µg/L = micrograms per liter

Data Qualifiers:
- J = Estimated concentration
- NS = No screening criteria available

This page intentionally left blank.



TU17SB34 - Soil (10 - 15 ft bgs)		
Analyte	Result (ug/kg)	Criteria (ug/kg)
Benzo(a)anthracene	**2700**	1000
Benzo(a)pyrene	**2100**	1000
Benzo(b)fluoranthene	**2800**	1000
Benzo(k)fluoranthene	**1200**	800
Chrysene	**2600**	1000
Indeno(1,2,3-cd)pyrene	**510**	500

TU17GW34 - Groundwater		
Analyte	Result (ug/L)	Criteria (ug/L)
Bis(2-ethylhexyl)phthalate	**15**	5

Legend

Field Sampling Locations

Approximate Location of Former Features

The criteria used for soil is the NYSDEC guidelines.
The criteria used for groundwater is the NYSDEC TOGS guidelines.

CONTRACT NO 60308608	
CARTOGRAPHY BY B. Perrigo	
CHECKED BY K. Kwasniak	DATE January 2015
SCALE 1" = 30'	SHEET 1 of 1
Fig_5-5_Gabreski_Field_Sampling_Locations_TU017.mxd	

Gabreski Air National Guard Base

Figure 5-5
Gabreski Air National Guard Base
TU017 SI Field Sampling Locations
Westhampton Beach, New York

AECOM

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

This page intentionally left blank.

6 Area of Concern Pathway and Environmental Hazard Assessments

HRS (Hazard Ranking System) Quickscore is the primary tool used by the EPA to determine whether a site is placed on the National Priorities List (NPL). This numeric based screening system assigns number values to factors related to risk conditions at a site. The main factors related to risk are:

- Likelihood that a site has released or has the potential to release hazardous substances into the environment
- Characteristics of the waste
- People or sensitive environments (targets) affected by the waste

HRS Quickscore evaluates four pathways of exposure (i.e., routes through which humans and the environment can be impacted by site contamination. The four pathways are:

- Groundwater migration (drinking water)
- Surface water migration (drinking water, human food chain, and sensitive environments)
- Soil exposure (resident population, nearby population, and sensitive environments)
- Air migration (resident population and sensitive environments)

Exposure pathways describe the course a chemical or physical agent takes from the source to the exposed receptor. The follow five components comprise an exposure pathway:

- Source (facility operations, spill, etc.)
- Exposure media (concrete, soil, groundwater, etc.)
- Exposure point (slab surface, drinking water well, etc.)
- Exposure route (ingestion, inhalation, and external exposure)
- Receptor (industrial worker, resident, wildlife)

If any of these elements is missing, the pathway is incomplete and is not considered further in the HRS assessment. A pathway is considered complete when all five components are present to permit potential exposure of a receptor to a source of contamination. It is important to note that the HRS guidance defines a source as “any area where a hazardous substance has been deposited, stored, disposed, or placed, plus those soils that may have become contaminated from hazardous substance migration.” Also, an area of observed contamination “covered by a permanent, or otherwise maintained, essentially impenetrable material (e.g., asphalt)” is excluded from the area of observed contamination for the purposes of HRS Quickscore (EPA, 1995).

This PA/SI identified eight AOCs at the Gabreski ANGB. Based on the results of historical records and previous investigations during the initial PA Phase DD020, TU018, and TU019 were determined not to warrant field investigation. HRS Quickscore was not used to evaluate these sites. TU013, TU015, and TU016 did not have any exceedances of concern in the samples, so these AOCs were not evaluated using HRS Quickscore.

TU014 was evaluated using HRS Quickscore software. The groundwater migration pathway received a score of 2.67 and the overall site score was 1.34.

TU017 was evaluated using HRS Quickscore software. The groundwater migration pathway received a score of 1.61, the soil exposure pathway received a score of 1.20, and the overall site score was 1.00.

In order for a site to be placed on the NPL, the site must receive an HRS score of at least 28.50. The full HRS Quickscore reports for each site are scored in Appendix E.

This page intentionally left blank.

7 Conclusions and Recommendations

On-site PA activities were conducted in conjunction with an Installation specific Kick-off meeting at Gabreski ANGB on 25 November 2013. SI field activities, which included soil and groundwater sampling at five AOCs, were conducted 22 September through 1 October 2014.

7.1 Conclusions

7.1.1 TU014 – Former USTs in Former Building 218

Twenty soil samples (two per boring) and two groundwater samples were collected at TU014 and analyzed for VOCs and SVOCs. Twenty VOCs and fourteen SVOCs were detected in the soil samples. Only acetone exceeded the PALs in two of the soil samples. Fifteen VOCs and twenty-one SVOCs were detected in the groundwater samples. Concentrations of 1,2,4-Trimethylbenzene, 1,3,5-trimethylbeznene, 4-isopropyltoluene, ethylbenzene, isopropylbenzene, naphthalene, n-propylbenzene, and sec-butylbenzene exceeded their respective PALs in at least one groundwater sample. HRS scoring was conducted for this site. The groundwater migration pathway received a score of 2.67 and the overall site score was 1.34.

7.1.2 TU013 – Hydraulic Lifts in Building 230

Twenty-eight soil samples and seven groundwater samples were collected at TU013 and analyzed for VOCs and SVOCs. Thirteen VOCs and seventeen SVOCs were detected in the soil samples; however, none of the detected analytes exceeded their respective PALs. Five VOCs and eighteen SVOCs were detected in the groundwater samples. Bis(2-ethylhexyl)phthalate was the only detected analyte to exceed the PAL. HRS scoring was not conducted for this site because bis(2-ethylhexyl)phthalate is a typical laboratory artifact.

7.1.3 TU015 – Former USTs in Former Building 276

Six soil samples and two groundwater samples were collected at TU015 and analyzed for VOCs. Thirteen VOCs were detected in the soil samples; however, none of the detected analytes exceeded their respective PALs. Two VOCs were detected in the groundwater samples, but neither of the detected analytes exceeded their respective PALs. HRS scoring was not conducted for this site because detected analyte concentrations did not exceed PALs.

7.1.4 TU016 – Former USTs in Building 370

Six soil samples and one groundwater sample were collected at TU016 and analyzed for VOCs and SVOCs. Eleven VOCs and nine SVOCs were detected in the soil samples. Acetone was detected at a concentration exceeding the PAL in one soil sample. Four SVOCs were detected in the groundwater samples; however, none of the detected analytes exceeded their respective PALs. HRS scoring was not conducted for this site because acetone was the only detected analyte exceeding the screening criteria. The NYSDEC criterion for acetone is 50 µg/kg and the RSL is 61,000,000 µg/kg. The exceeding concentration of acetone at TU016 was 67 µg/kg.

7.1.5 TU017 – Former USTs in Former Building 374

Five soil samples and one groundwater sample were collected at TU017 and analyzed for VOCs and SVOCs. Nine VOCs and twenty-five SVOCs were detected in the soil samples. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene exceeded their respective PALs in the shallow sample at SB34. Two VOCs and five SVOCs were detected in the groundwater samples. Bis(2-ethylhexyl)phthalate exceeded the PAL. HRS scoring was conducted for this site. The groundwater migration pathway received a score of 1.61, the soil exposure pathway received a score of 1.20, and the overall site score was 1.00.

7.2 Recommendations

Based on the findings of the PA/SI, NFA under the CRP is recommended for DD020, TU018, and TU019.

Based on analytical results for soil and groundwater sampling, NFA is recommended for TU013, TU015, and TU016.

Based on analytical results for soil and groundwater sampling, further investigation is recommended for TU014 and TU017.

At TU014, further investigation is recommended for VOCs in groundwater.

At TU017, further investigation is recommended for SVOCs in soil.

Table 7-1 summarizes information relevant to the ongoing data quality objectives (DQO) process for the AOC recommended for further investigation. Completed Remedial Action Cost Engineering Requirements worksheets are included as Appendix F for National Guard Bureau Programming Purposes.

Table 7-1. Information Relevant to the DQO Process

AOC	Constituents Detected Above Screening Criteria	Sampling Recommendation(s)	Objectives
Former USTs in Former Building 218 (TU014)	Soil: acetone Groundwater: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, ethylbenzene, isopropylbenzene, naphthalene, n-propylbenzene, sec-butylbenzene	Soil: 8 soil samples Groundwater: 4 wells	Determine the nature and extent of contaminated media. Evaluate the risk posed by current concentrations in soil and groundwater.
Former USTs in Former Building 374 (TU017)	Soil: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, Groundwater: bis(2-ethylhexyl)phthalate	Soil: 8 soil samples Groundwater: 4 wells	Determine the nature and extent of contaminated media. Evaluate the risk posed by current concentrations in soil and groundwater.

8 References

AECOM. *Final Work Plan for the Regional Compliance Restoration Program Preliminary Assessment/Site Inspection, Gabreski Air National Guard Base, Westhampton Beach, New York.* April 2014.

Air National Guard Readiness Center. 2009. Air National Guard, Environmental Restoration Program, Investigation Guidance. September.

BB&E. 2011. PA/SI Trip Report - 106th Rescue Wing, New York Air National Guard, Gabreski Air National Guard Base, Westhampton Beach, New York. 2 June.

DoD (U. S. Department of Defense) 2009. Fact Sheet: Detection and Quantitation – What Project Managers and Data Users Need to Know, DoD Environmental Data Quality Workgroup, September.

EPA (U.S. Environmental Protection Agency) 1995. *Establishing Areas of Observed Contamination*. Office of Emergency and Remedial Response, Quick Reference Fact Sheet, EPA/540/F-94/029. September.

National Guard Bureau (NGB). 2010.Memorandum A70 10-01, Environmental Resources Program Information Management System. September.

New York State Department of Environmental Conservation (NYSDEC). 2010. CP-51 / Soil Cleanup Guidance, 21 October.

NYSDEC. 2004. Technical & Operational Guidance Series (TOGS), 1.1.1 Ambient Water Quality Standards and Guidance Values, June 1998, April 2000 Addendum, June 2004 Addendum.

U.S. Air Force Civil Engineering Center. Environmental Resources Program Information Management System-ERPIMS.

U. S. Department of Agriculture, Natural Resources Conservation Service, 2013. Web Soil Service. http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx as accessed on December 13, 2013.

U.S. Department of Commerce, United States Census Bureau- Suffolk County, New York. http://quickfacts.census.gov/qfd/states/36/36103.html as accessed on 19 December 2013.

U.S. Environmental Protection Agency. 2005. Federal Facilities Remedial Site Inspection Summary Guide. July. http://www.epa.gov/fedfac/pdf/ff_si_guide.pdf as accessed on 3 December 2013.

U.S. Environmental Protection Agency. 2014. Regional Screening Levels- Residential Soil and Tap Water. http://www.epa.gov/region9/superfund/prg/ as accessed on 22 September 2014.

USFWS (U. S. Fish and Wildlife Service) 2014. *Endangered, Threatened, Proposed, and Candidate Species, New York Counties*, September.

This page intentionally left blank.

Appendix A

Field Documentation

Appendix A-1 Boring Logs

Appendix A-2 Instrument Calibration

This page intentionally left blank.

Appendix A-1

Boring Logs

This page intentionally left blank.

AECOM
Boring Log

Project Name: Grabeski	Site: TU 013	Hole ID: SB 01
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): ~~37.5~~ 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/25/14 @ 845
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/25/14 @ 925
Drilling Equipment: GeoProbe 6620 DT	▼ Water Depth During Drilling (feet bgs): 33.5	Date / Time Completed: 9/25/14 @ 925
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: Rain 60's	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Loose gravel Fill Medium stiff, dry, brown, medium to coarse SAND with 10% gravel (2cm), no odor, no staining		SP	4/5	DP	1	1.1 0.8	850		
5	Grading to light tan Dark brown leases, no odor Grading to orange tan		SP	4/5	DP	2	0.7 1.1	855		GA-TU13 SB01-08 6.0-8.0 @ 900 8260C, 8270D
10	Grading to brown @ 11.5' Grading to orange Dense, dry, white quartzite gravel lens @ 12.5'		SP	4/5	DP	3	0.9	900		
15	Grading to stiff, moist, light tan SAND with 5% gravel, no odor no staining (medium to coarse)		SP	4/5	DP	4	1.4 1.0	905		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Grabrosk: | Site: TU 013 | Hole ID: SB 01

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAA		SP	5/5	DP	5	1.6	910		
							1.3			
25			SP	5/5	DP	6	1.1	915		
							0.8			
30	Grading to brown, no odor		SP	5/5	DP	7	0.4	920		GA-TU13 SB01-32 30.5-31.5 @ 920 8260C, 8270D
	▽									
35							1.4			BOTTOM OF BORING
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM

Boring Log

Project Name: Gabreski	Site: TU013	Hole ID: SB 02
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/25/14 @ 925
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/25/14 @ 1020
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 33.5'	Date / Time Completed: 9/25/14 @ 1020
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: Rain, 60's	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Loose gravel fill									
	SAND Medium stiff, dry, brown, medium to coarse SAND with 10% gravel (2cm), no odor, no staining		SP	3.5/5	DP	1	1.6 1.1	930		
5	Grading to orange, no gravel		SP	4/5	DP	2	1.4 1.5	935		
10	SAND stiff, moist, orange, medium to coarse SAND with 5% gravel, no odor, no staining		SP	5/5	DP	3	1.6 4.6	940		GA-TU13SB02-14 13.0-13.5 @ 945 8260C, 8270D
	Dark brown coarse sand lens, no odor, no staining									
15	Grading to orange tan, 10% gravel (5cm)						1.1			
	Grading to light tan SAND with 5% gravel		SP	4/5	DP	4	1.7 1.9	945		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU013 | Hole ID: SB02

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAA		SP	4/5	DP	5	1.3	950		
25	Slough in tip?		SP	4.5/5	DP	6	1.1	955		
30			SP	5/5	DP	7	1.4	1000		QA-TU13SB02-33 32.0-33.0 @ 1000 8260C, 8270D QA-TU13GW02-01 @ 1015 8260C, 8270D Temp: 15.82 SC: 0.211 DO: 2.89 pH: 6.41 ORP: 35.7 Turb: 104.7
35										
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU 013	**Hole ID:** SB-03
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/25/14 @ 1110 ~~1035~~ JC
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/25/14 @ 1200
Drilling Equipment: Geoprobe 6620 DT	▼ Water Depth During Drilling (feet bgs): 34'	Date / Time Completed: 9/25/14 @ 1200
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: Rain, 60's	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	Gravel fill to 1.5'						1.3			
	SAND medium stiff, dry, brown coarse SAND with 10% gravel, no odor, no staining		SP	4.5/5	DP	1	~~0.7~~ 1.4	1115		
5	SAND stiff, moist, brown, medium to coarse SAND @ 5.8'						~~3.1~~ 3.9			GA-TU13SB03-12 11.0-12.0 @ 1130 8260C, 8270D
	SAND stiff, moist, orange tan to tan medium to coarse SAND with 5% gravel no odor, no staining		SP	4/5	DP	2	4.5	1120		
10	Grading to brown @ 11'									
	SAND very soft, dry, light tan fine SAND @ 11.5' - 4" lens		SP	4/5	DP	3	17.7	1130		
	SAND stiff, moist, red brown medium to coarse SAND with 5% gravel, no odor, no staining						2.1			
15	Grading to light tan @ 14.5'									
	Grading to light orange tan @ 16.5'		SP	4/5	DP	4	4.1	1140		
	Grading to light tan @ 18.0'						2.4			
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU 013 | Hole ID: SB-03

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
25	SAA		SP	5/5	DP	5	1.6 1.0	1145		
30	SAA		SP	3/5	DP	6	1.1	1150		GA-TU13GW03-01 @ 1200 8260C, 8270D
35	SAA		SP	4/5	DP	7	1.6	1155		GA-TU13SB03-33 32.0-33.0 @ 1155 8260C, 8270D
40										Temp: 15.49 SC: 0.189 DO: 4.16 pH: 6.28 ORP: 35.9 Turb: 172.7
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM

Boring Log

Project Name: Gabreski	Site: TU 013	Hole ID: SB 04
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/25/14 @ 1035
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/25/14 @ 1115
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 34.0'	Date / Time Completed: 9/25/14 @ 1115
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: Rain, 60's	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Gravel fill to 1.5'									
	SAND medium stiff, dry, brown coarse SAND with 10% gravel, no odor, no staining		SP	4/5	DP	1	1.3	1040		
							0.7			
5	Pulverized concrete @ 6.0'									
	SAND stiff, moist, brown, medium to coarse SAND with 5% gravel, no odor, no staining		SP	4/5	DP	2	11.1	1045		SA-TU13 SB04-07 5.5'-6.5' @ 1050 8260C, 8270D
	Grading to orange tan @ 9.0'						2.3			
10	Orange lens @ 11.0'						1.9			
	Grading to Dark brown, no odor, no staining @ 11.5'-12.0'		SP	3/5	DP	3	4.4	1050		
	Grading to orange @ 12.0'						2.8			
15	Heavy gravel lens @ 16.0'						4.1			
	Grading to light orange tan		SP	3.5/5	DP	4	1.6	1055		
20							1.9			

Tracking Codes: 9/11/14, 14:07

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture,** (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU013 | Hole ID: SB04

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
25	SAA 21.0'-21.5' Grading to brown ~~16.0'-16.5'~~ 21.5' Grading to light tan @ ~~16.0'~~		SP	3.5/5	DP	5	1.4 2.1 1.1	1100		
30			SP	4/5	DP	6	1.4 1.9	1105		
35	▽ =		SP	5/5	DP	7	1.8	1110		GA-TU13 SB04-33 32.0'-33.0' @ 1110 8260C, 8270D
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU013	Hole ID: SB-05
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/25/14 @ 1225
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/25/14 @ 1325
Drilling Equipment: Geo Probe 6620 DT	▼ Water Depth During Drilling (feet bgs): 34'	Date / Time Completed: 9/25/14 @ 1326
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: Rain, 60's	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Fill SAND medium stiff, dry, brown, medium to coarse SAND with 5% gravel, no odor, no staining		SP	4/5	DP	1	1.8	1230		
	Pulverized asphalt @ 1.8' Grading to 10% gravel, medium tan						2.4			
5	SAND soft, dry, light brown to grey, fine SAND, no odor, no staining @ 5'-6'		SP	5/5	DP	2	2.6	1235		
	SAND stiff, moist, orange and light tan, medium to coarse SAND, no odor, no staining						6.4			
10	SAND soft, moist, black/grey medium to coarse SAND, no odor stained? @ 9.5'						31.8			GA-TU13SB05-12 11.0 - 11.8 @ 1240 8260C, 8270D
	Grading to brown, no staining Grading to black/grey with staining @ 11 - 11.8'		SP	4/5	DP	3	70.2	1240		
	SAND stiff, moist, dark orange medium to coarse SAND, with 5% gravel, no odor, no staining @ 11.8						6.4			
15							5.2			
	Grading to light tan @ 16.0'		SP	4/5	DP	4	6.1	1245		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU013 | Hole ID: SB-06

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAA Grading to dark brown to brown, no odor, no staining @ 21'		SP	4.5/5	DP	5	18.2 4.1	1415		
25	Grading to light brown @ 26'		SP	4.5/5	DP	6	6.1	1415		
	Orange medium Sand Lens @ 29'		SP	5/5	DP	7	8.2 7.7	1420		GA-TU13SB06-33 32.0-33.0 @ 1420 8260C, 8270D BOTTOM OF BORING
30	▽ @ 34'									
35										
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Grabreski	Site: TU 013	Hole ID: SB-07
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/25/14 @ 1430
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/25/14 @ 1520
Drilling Equipment: Geoprobe 6620 DT	▼ Water Depth During Drilling (feet bgs): 34'	Date / Time Completed: 9/25/14 @ 1520
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: Rain, 60's	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Fill SAND soft, dry, brown, medium to coarse SAND with 5% gravel no odor/staining		SP	4/5	DP	1	1.4 0.9	1435		
5	Pulverized concrete? Ash? @ 5-5.5' Grading to orange @ 5.5		SP	4/5	DP	2	6.1 3.7	1440		GA-TU13SB07-08 6.0-8.0 @ 1440 8260C, 8270D
10	Grading to dark brown, no odor @ 9' Grading to orange-tan @ 10'		SP	4.5/5	DP	3	4.1 2.8	1445		
15	Grading to brown 16-16.5 Grading to tan @ 16.5		SP	5/5	DP	4	1.2 2.8	1450		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU 017 | Hole ID: SB-07

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAA Brown + Orange medium SAND lens 21-21.5		SP	3.5/5	DP	5	2.4 2.3	1500		
25			SP	4.5/5	DP	6	1.6	1505		
30			SP	2.5/5	DP	7	2.4	1515		GA-TU13SB07-33 32.0-33.0 @ 1515 8260C, 8270D
	▽ = @ 34'									BOTTOM OF BORING
35										
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU013	**Hole ID:** B8
Project Number:	*Northing:* TBD	Total Depth (feet): 35' bgs
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/29/14 / 9:10
Driller: Duke	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/29/14 : 9:45'
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 34.2'	Date / Time Completed: 9/29/14 : 10:45 - patched hole
Drilling Method: Direct Push	Logged By: J. Christoffel	Checked By:
Borehole Diameter (inches):	Weather/Comments: 65° / Partly Cloudy	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	0-6" - Asphalt		FILL	44					NA	
	6"-5' - F-M sand, trace f. gravel, well graded, brown, dry	–	SW	/60	-	-	0.2	9:12	–	SB S#: GA-TU13-SB08-15 SD: 15' ST: 9:20 A: VOCs (8260C), SVOCs (8270D)
5	5-5.5' - SAA									
	5.5'-6' - Pulverized rock (qtz) bits.									
	6'-10': F-M sand, trace f. gravel, well graded, brown to dark brown, dry	–	SW	42/60	-	-	0.5	9:15	–	SB S#: GA-TU13-SB08-34 SD: 34' ST: 9:41 A: VOCs (8260C), SVOCs (8270D)
10	10-11.3' - SAA, light brown-gray.		SW	40/60	-	-	0.2	9:20	–	Well head PID (ppm): — Depth to Water (btoc): — GW S#: GA-TU13GW08-Q Screen: — ST: 10:35 A: VOCs (8260C), SVOCs (8270C)
	11.3'-15' - F-M sand, poorly graded, l. brown, dry		SP				0.6			
15	15-16' - F-C sand, ~~trace~~ (gr) well graded, brown, dry						0.1			Temp (°C): 23.65 pH: 6.49 SC (mS/cm): 0.264 ORP (mV): 22.2 DO (mg/L): 3.34 Turbidity (NTU): 295.7
	16'-16.5' - Pulverized rock bits (quartz).	–	SW	44/60	-	-	0.1	9:25	✓	
	16.5'-20' - F-C sand, trace f. gravel, well graded, l. brown, dry						0.2			
20										

Tracking Codes: 9/11/14, 10:41

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: TU-013 - Gabreski | Site: | Hole ID: B8

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	20-25'- F-C sand, trace f. gravel, brown to light brown, dry, well graded	-	SW	60/60	-	-	0.1	9:29	-	
25	SAA	-	SW	47/60	-	-	0.2	9:35	-	
30	30-32'- SAA. End of ~~Boring~~ (30)									
	32-35- F-C sand, well graded, light brown, wet @ 34.2'	-		58/60	-	-	0.0	9:41	-	
35	End of Boring @ 35' bgs									
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU013	**Hole ID:** B9
Project Number:	*Northing:* TBD	Total Depth (feet): 35' bgs
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9-24-14 / 10:50
Driller: Luke	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 11:30
Drilling Equipment: Geo probe 6620DT	▼ Water Depth During Drilling (feet bgs): 34' bgs	Date / Time Completed: 12:20 - Backfilled hole
Drilling Method: Direct Push	Logged By: J. Christoffel	Checked By:
Borehole Diameter (inches): 2"	Weather/Comments: 65° / Cloudy / Breezy	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-0.5' - Asphalt 0.5'-2' - Pulverized rock bits. 2'-5' - F-C Sand, well graded, brown, dry	—	46/60 SW	FCC SW		—	0.0 0.1	10:54	—	SB S#: GA-TU13SB09-20 SD: 20' ST: 11:11 A: VOCs (8260C), SVOCs (8270D)
5	5-10' - F-M Sand, trace f. gravel, well graded, brown, dry	—	42/60	SW			0.7	10:59		SB S#: GA-TU13SB09-34 SD: 34' ST: 11:26 A: VOCs (8260C), SVOCs (8270D)
10	10-15 - SAA, brown - light brown			48/60	—	—	1.2	11:05		Well head PID (ppm): Depth to Water (btoc): GW S#: GA-TU13 GW-09-9 Screen: NA ST: 11:50 A: VOCs (8260C), SVOCs (8270C)
15	15-20' - SAA, Brown/Gray in color from 16-16.4'.			46/60	—	—	1.3	11:11		Temp (°C): 22.33 pH: 6.43 SC (mS/cm): 0.251 ORP (mV): 129.5 DO (mg/L): 6.77 Turbidity (NTU): 484.5
20										

Tracking Codes: 9/11/14, 10:41

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM
Boring Log (Continued)

Project Name: Gabreski | Site: TU-013 | Hole ID: B9

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	20-25' - F-M sand, trace f. gravel, well graded, brown to light brown, dry	-	SW	60/60	-	-	0.2	11:15	-	
25	SAA, light brown	-	SW	30/60	-	-	0.1	11:21	-	
30	30-32' - SAA 32-35' - F-M sand, poorly graded, light brown, wet @ 34'.	-	SW / SP	60/60	-	-		11:26	-	
35	End of Boring @ 35' bgs									
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU013	**Hole ID:** B10
Project Number:	*Northing:* TBD	Total Depth (feet): 35' bgs
Drilling Contractor: Terra	*Easting:* TBD	Date / Time Started: 9-29-14 / 13:00
Driller: Luke	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9-29-14 : 13:40
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 34'	Date / Time Completed: 9-29-14 - 13:55 ← All patched up
Drilling Method: Direct Push	Logged By: J. Christoffel	Checked By:
Borehole Diameter (inches): 2"	Weather/Comments: 65° / Breezy / Cloudy	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-6" Asphalt 6"-2' - Pulverized rock bits 2'-5' - F-C sand, trace f. gravel, well graded, brown, dry	—	FILL — SW	60/60	—	—	0.1 2.0	13:04		SB S#: GA-TU013-SB10-15' SD: 15' ST: 13:13 A: VOCs (8260C), SVOCs (8270D)
5	5-6.5' - Pulverized rock bits (quartz) 6.5-10' - F-C sand, trace f. gravel, well graded, brown, dry	—	SW	50/60	—	—	0.7 11.2	13:08	—	SB S#: GA-TU013-SB10-34' SD: 34' ST: 13:37 A: VOCs (8260C), SVOCs (8270C)
10	10-12 - SAA 12-13 - F-M sand, trace silt, trace wood debri, dark brown, dry 13-15 - F-C sand, trace f. gravel, trace silt, dark brown, dry	—	SW SP SW	45/60	—	—	17.5	13:13	—	Well head PID (ppm): Depth to Water (btoc): NA GW S#: Screen: ST: A: ~~VOCs~~ (8260C), SVOCs (8270C)
15	15-20 - F-C sand, trace f. gravel, brown, well graded, dry	—	SW	30/60			6.9	13:19	—	Temp (°C): N/A pH: SC (mS/cm): ORP (mV): DO (mg/L): Turbidity (NTU):
20										

Tracking Codes: 9/11/14, 10:41

USCS Name. Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture.** (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU013 | Hole ID: B10

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	F-C Sand, trace f. gravel, well graded, dark brown to light brown, dry	—	SW	58/60	-	-	2.4	1335	-	
25	SAA	—	SW	41/60	-	-	1.9	1331	-	
30	SAA, wet @ 34' bgs	-	SW	48/60	-	-	1.1	1337	-	
35	End of Boring @ 35' bgs									
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM

Boring Log

Project Name: Gabreski	Site: TU013	**Hole ID:** B11
Project Number:	*Northing:* TBD	Total Depth (feet): 35' bgs
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9-29-14 / 1400
Driller: Luke	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9-29-14 / 14:37
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 34'	Date / Time Completed: 9-29-14 / 14:50
Drilling Method: Direct Push	Logged By: J. Christoffer	Checked By:
Borehole Diameter (inches): 2"	Weather/Comments: 65°/Breezy/Cloudy	

50 ppb

borehole patched

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	0-6"- Asphalt 6"-3'- Pulverized rock bits	--	FILL	60/60			0.8	14:05	-	SB S#: GA-TU013SB11-20 SD: 20' ST: 14:19 A: VOCs (8260C), SVOCs (8270D)
	3'-5'- F-M sand, trace f. gravel, well graded, medium brown, dry		SW							
5	5-10'- F-M sand, trace f. gravel, well graded, m. brown, dry	-	SW	50/60			0.5	14:09	-	SB S#: GA-TU013SB-11-34 SD: 34' ST: 14:36 A: VOCs (8260C), SVOCs (8270D)
10	SAA, 10'-12'- light gray to dark gray 12'-15'- brown to light brown, dry		SW	48/60			0.5	14:14	-	Well head PID (ppm): Depth to Water (btoc): GW S#: Screen: ST: A: VOCs (8260C), SVOCs (8270C)
15	F-C sand, trace f. gravel, well graded, brown to light brown, dry		SW	57/60			1.1	14:19	-	Temp (°C): pH: SC (mS/cm): ORP (mV): DO (mg/L): Turbidity (NTU):
20										

NA

Tracking Codes: 9/11/14, 10:41

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU013 | Hole ID: B10

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	20-25' - F-M Sand, trace f. gravel, well graded, brown to light brown, dry	-	SW	45/60	-	-	0.4	14:25	-	
25	25-27.5' - SAA, light brown		SW	60/60	-	-	0.4	14:30	-	
	27.5-30' - F-M Sand, poorly graded, light brown, dry	-	SP							
30	F-C Sand, well graded, light brown, wet @ 34' bgs	-	SW	21/60	-	-	0.5	14:36	-	
35	End of Boring @ 35' bgs									
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU013	**Hole ID:** B10
Project Number:	*Northing:* TBD	Total Depth (feet): 35' bgs
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9-30-14 | 9:00
Driller: Luke	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9:42
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 34.5'	Date / Time Completed: 10:08 – Hole patched up.
Drilling Method: Direct Push	Logged By: J. Christoffel	Checked By:
Borehole Diameter (inches): 2"	Weather/Comments: 65° / Rainy	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-1' - Asphalt 1-2' - Pulverized rock bits 2-5' - F-M sand, trace f. gravel, well graded, brown, dry	–	FILL SW	T/ 60	–	–	0.7	9:04	–	SB S#: GA-TU13SB12-15 SD: 12-14.5' ST: 9:14 A: VOCs (8260C), SVOCs (8270D)
5	SAA (2-5')	–	SW	50 60	–	–	0.8	9:09	–	SB S#: GA-TU13SB12-34 SD: 32-34' ST: 9:41 A: VOCs (8260C), SVOCs (8270D)
10	10-12 - SAA 12-14.5' - F-M sand, poorly graded, light brown, dry 14.5-15' - F-M sand, trace silt, poorly graded, black to gray, dry	–	SW SP	60 60	–	–	0.8 0.8 — 0.7	9:14	–	Well head PID (ppm): — Depth to Water (btoc): — GW S#: GA-TU13GW12-01 Screen: — ST: 9:54 A: VOCs (8260C), SVOCs (8270C)
15	15-16.5' - F-M sand, trace fine gravel, well graded, brown, dry 16.5-17.5' - F-M sand, poorly graded, light brown to brown, black from 16.7-16.9'. 17.5-20' - Same as 15-16.5'.	–	SW SP SW	53 60	–	–	0.6 0.6 0.7	9:21	–	Temp (°C): 16.89 pH: 6.04 SC (mS/cm): 0.464 ORP (mV): 109.9 DO (mg/L): 2.76 Turbidity (NTU): 629.6
20										

Tracking Codes: 9/11/14, 10:41

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture,** (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU013 | Hole ID: B12

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	F-C sand, trace f. gravel, brown to light brown, well graded, dry	-	SW		-	-	0.6	9:31	-	
25	F-M sand, trace f. gravel, well graded, lt. brown, dry	-	SW	38/60	-	-	0.5	9:36		
30	SAA, wet @ 34.5' bgs	-	SW	28/60	-	-	0.5	9:41	-	
35	End of Boring @ 35' bgs									
40										
45										

J. Chatfield

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU013	**Hole ID:** B13
Project Number:	*Northing:* TBD	Total Depth (feet): 35' bgs
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9-30-14 / 10:15
Driller: Luke	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9-30-14 / 10:57
Drilling Equipment: Geo probe 6620DT	▼ Water Depth During Drilling (feet bgs): 34.51	Date / Time Completed: 11:25 - Hole patched up
Drilling Method: DirectPush	Logged By: J. Christoffel	Checked By:
Borehole Diameter (inches): 2"	Weather/Comments: 65° / Rainy - Heavy @ times.	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-1'- Asphalt 1'-2.5'- Pulverized rock bits. 2.5-5'- F-M sand, trace f. gravel, well graded, brown, dry	—	FILL / SW	51 / 60	—	—	0.2 / 0.1	10:20	—	SB S#: GA-TU13SB13-20 SD: 15-20 ST: 10:34 A: VOCs (8260C), SVOCs (8270D)
5	5-6'- Pulverized rock fragments. 6'-10'- F-M sand, trace f. gravel, well graded, brown, dry	—	SW	57 / 60	—	—	0.4	10:29		SB S#: GA-TU13SB13-34 SD: 32-34 ST: 10:57 A: VOCs (8260C), SVOCs (8270D)
10	~~SAA, brown to lt. brown~~ JC F-M sand, trace f-m gravel, well graded, brown to light brown, dry		SW	53 / 60			0.6	10:39		Well head PID (ppm): — Depth to Water (btoc): — GW S#: GA-TU13GW13-01 Screen: — ST: 11:15 A: VOCs (8260C), SVOCs (8270C)
15	SAA		SW	58 / 60			0.8	10:54		Temp (°C): 17.49 pH: 6.14 SC (mS/cm): 0.368 ORP (mV): 193.9 DO (mg/L): 7.82 Turbidity (NTU): 371.4
20										

Tracking Codes: 9/11/14, 10:41

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU13 | Hole ID: B13

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
25	F-M sand, trace f-m gravel, well graded, light brown, dry	–	SW	52/60	-	-	0.6	10:45		
	SAA	–	SW	54/60	-	-	0.4	10:53		
30	SAA, wet @ 34.5'	–	SW	56/60	-	-	0.5	10:57		
35										
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU013	**Hole ID:** B14
Project Number:	*Northing:* TBD	Total Depth (feet): 35' bgs
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9-30-14 / 12:45
Driller: Luke	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/30 13:21
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 34'	Date / Time Completed: 13:40 – Hole patched
Drilling Method: Direct Push	Logged By: J. Christoffel	Checked By:
Borehole Diameter (inches): 2"	Weather/Comments: 65° / Rain	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-10" - Asphalt 10"-2' - Pulverized rock fragments		FILL	5a /60	-	-	0.1	10:50	–	SB S#: GA-TU13SB14-15 SD: 10-15' ST: 12:59 DUP collected A: VOCs (8260C), SVOCs (8270D)
	2'-5'- F-M sand, trace f. gravel, well graded, brown, dry		SW							
5	SAA (5-5')	–	SW	60 /60	-	-	0.3	12:59	–	SB S#: GA-TU13SB14-34 SD: 32-34 ST: 13:21 A: VOCs (8260C), SVOCs (8270D)
10	SAA - black from 14.5-15'	–	SW	60 /60	-	-	3.3	12:59	–	Well head PID (ppm): Depth to Water (btoc): GW S#: Screen: ST: A: VOCs (8260C), SVOCs (8270C)
15	15-17'-SAA 17-20'- F-C sand, Few fm gravel, well graded, brown dry	–	SW	44 /60	-	-	1.9	13:05		Temp (°C): SC (mS/cm): DO (mg/L): pH: ORP (mV): Turbidity (NTU):
20										

NA

Tracking Codes: 9/11/14, 10:41

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski	Site: TA013	Hole ID: B14

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	F-C sand, trace f-m gravel, well graded, brown, dry	—	SW	58/60	-	-	1.0	13:11	—	
25	F-M sand, trace f. gravel, well graded, light brown, dry	—	SW	48/60	-	-	0.7	13:16	-	
30	F-M sand, trace f-m gravel, well graded, l. brown, wet @ 34' bgs	—	SW	42/60	-	-	0.4	13:21	-	
35										
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Grabreski	Site: TU014	**Hole ID:** SB-15
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/23/14 @ 830
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/23/14 @ 1035
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 35'	Date / Time Completed: 9/23/14 @ 1035
Drilling Method: Direct push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 70's, clear	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Fill SAND medium stiff, dry, brown, medium SAND with 10% sub angular to sub round gravel, no odor, no staining		SP	5/5	DP	1	7.0	845		
5	Pulverized asphalt 6.0'-6.5' SAND soft, moist, yellow brown medium SAND no odor, no staining Grading from orange to light yellow orange		SP	4/5	DP	2	12.6 0.9	850		
10	SAND soft, moist, light tan, medium to coarse SAND with 5% gravel no odor, no staining Red brown lens @ 12.0'-13.0'		SP	4/5	DP	3	33.0	910		GA-TU14SB15-13 12.0'-13.0' @ 910 8260C, 8270D
15			SP	5/5	DP	4	0.9 1.1	920		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU 014 | Hole ID: ~~SB-14~~ SB-15

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAA Brown-gray mottling @ 21.5'		SP	5/5	DP	5	3.3 0.1	925		
25	Grading to medium SAND, no odor no staining		SP	5/5	DP	6	1.1	935		
30	Grading to brown 33.0'		SP	5/5	DP	7	105	940		GA-TU14SB15-35 9/23/14 @ 1000 8260C, 8270D MS/MSD + DUP
35	SAND medium stiff, wet, grey medium to coarse SAND, strong odor, heavy staining @ 35.0'									GA-TU14GW15-01 @ 1030 8260C, 8270D Temp: 17.01 SC: 0.419 DO: 8.22 pH: 7.19 ORP: 164.2 Turb: 74.8
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU014	**Hole ID:** SB-15
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/23/14 @ 1040
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/23/14 @ 1125
Drilling Equipment: Geoprobe 6620 DT	▼ Water Depth During Drilling (feet bgs): 35'	Date / Time Completed: 9/23/14 @ 1125
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 70's clear	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Fill SAND medium stiff, dry, brown, medium SAND with 10% gravel, no odor, no staining Concrete, pulverized @ 3.75'		SP	5/5	DP	1	0.7 0.1	1050		
5	Grading to red brown 6.5' to light yellow brown 7.0'		SP	4/5	DP	2	1.1 0.1	1055		
10	SAND soft, moist, light tan, medium to coarse SAND with 5% gravel, no odor, no staining		SP	4/5	DP	3	0.4 1.4 0.2	1100		GA-TU14SB16-12 12.0'-12.0' @ 1100 8260C, 8270D
15	SAA		SP	4/5	DP	4	0.2 0.1	1105		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominenlty coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Grabreski | Site: TU014 | Hole ID: SB-16

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	Grading gently to orange 21.5'		SP	5/5	DP	5	0.1 0.0	1110		
25	Grading to light tan 26.0' with 5% gravel		SP	4/5	DP	6	0.8 0.3	1115		
30	SAA		SP	1.5/5	DP	7	0.4	1120		GA-TU14 SB16-35 34.0'-35.0' @1120 8260C, 8270D
35	▽ =									
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM

Boring Log

Project Name: Gabreski	Site: TU014	**Hole ID:** SB-17
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/23/14 @ 1200
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/23/14 @ 1305
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 34'	Date / Time Completed: 9/23/14 @ 1305
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 70's clear	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	FILL SAND medium stiff, dry brown, medium SAND with 5% gravel, no odor, no staining		SP	5/5	DP	1	0.3 0.4	1220		
5	Grading to red-brown grey fine SAND lens, no odor, no staining SAND soft, moist, light tan, medium to coarse SAND with 5% gravel, no odor, no staining 9'		SP	4/5	DP	2	0.4 0.4 0.0	1225		
10	Grading to red-orange then to light tan 10% gravel 12'		SP	4.5/5	DP	3	0.4 0.0	1230		
15	Grading to light tan 16.75'		SP	5/5	DP	4	0.7	1235		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU014 | Hole ID: SB-17

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	Grading to brown, grey, with 20% gravel		SP	5/5	DP	5	1.4	1240		GA-TU14SB17-21 20.0-21.0 @ 1240 8260C, 8270D
	Grading to light tan with 5% gravel, no odor, no staining						0.1			
25	Orange grey lens 26.5'		SP	5/5	DP	6	0.0	1255		
							0.0			
30	Grading to light brown 31.0'		SP	5/5	DP	7	0.5	1300		GA-TU14SB17-34 33.0-34.0' @ 1300 8260C + 8270D
	▽ Grey Stained, "old" odor, many Staining						1.2			
35							42.8			
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM

Boring Log

Project Name: Gabreski	Site: TU014	**Hole ID:** SB-18
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/23/14 @ 1320
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/23/14 @ 1410
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 35'	Date / Time Completed: 9/23/14 @ 1410
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 70's clear	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Fill SAND medium stiff, dry, brown, medium SAND with 5% gravel, no odor, no staining		SP	3/5	DP	1	2.7	1330		GA-TU14SB18-05 4.0'-5.0' @ 1330 8260 C, 8270 D
5	Grading to orange Grading to medium-coarse SAND		SP	2/5	DP	2	2.0 1.8	1335		
10	SAND soft, moist, light tan, medium to coarse SAND with 5% gravel, no odor, no staining		SP	4/5	DP	3	0.7 0.9	1340		
15	Brown Lens, no odor @16.0'		SP	2.5/5	DP	4	0.7 0.4	1345		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU014 | Hole ID: SB-18

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAA Brown-orange lens, no odor		SP	4/5	DP	5	0.2 0.0	1350		
25	SAA		SP	4.5/5	DP	6	0.0 0.0	1355		
30	SAA		SP	3/5	DP	7	10.4	1400		GA-TU14 SB-35 34.0-35.0 @ 1405 8260C, 8270D
35	▽ =									
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM

Boring Log

Project Name: Gabreski	Site: TU 014	**Hole ID:** SB-19
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/23/14 @ 1410
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/23/14 @ 1505
Drilling Equipment: Geoprobe 6620 DT	▼ Water Depth During Drilling (feet bgs): 35'	Date / Time Completed: 9/23/14 @ 1505
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 70's clear	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Fill SAND medium stiff, dry, brown, medium SAND with ~10% gravel, no odor, no staining		SP	5/5	DP	1	0.1 0.2	1420		
5	SAND stiff, moist, brown-tan, medium to coarse SAND with 5% gravel, no odor, no staining Black medium SAND lens @ 7.5', no odor Grading to 50% gravel @ 9.5' (4" only) Grading to red-brown medium to coarse SAND with 5% gravel		SP SP	4/5	DP	2	1.2 0.7 1.8	1425		
10	Grading to light tan @ 11.0'		SP	4.5/5	DP	3	0.1	1430		
15	SAA		SP	5/5	DP	4	0.3 0.2	1435		GA-TU14SB19-16 15.0' - 16.0' @ 1435 8260C, 8270D
20										

Tracking Codes: 9/11/14, 14-07

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU014 | Hole ID: SB 19

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
25	SAA		SP	5/5	DP	5	0.3 0.2	1440		
30	SAA		SP	3.5/5	DP	6	0.6 0.4	1445		
35	SAA with slough from surface ▽		SP	3/5	DP	7	1.6 22.9	1455		GA-TU14SB19-35 34.0'-35.0' @ 1455 8260C, 8270D
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU014	**Hole ID:** SB-20
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/24/14 @ 830
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/24/14 @ 935
Drilling Equipment: GeoProbe 6620 DT	▼ Water Depth During Drilling (feet bgs): 34.0'	Date / Time Completed: 9/24/14 @ 935
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 70's clear	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Asphalt Fill Soft, dry, brown, medium to coarse SAND with 5% subround gravel, no odor, no staining Large concrete chunk @ 2.8'		SP	4.5/5	DP	1	3.5	835		GA-TU14 SB20-05 4.0'-5.0' @ 835 8260C, 8270D
5	SAND soft, dry, light orange-tan medium to coarse SAND with 5% gravel, no odor no staining Grading to dark brown @ 6.0' Grading to red brown @ 6.5' with increasing gravel size (~5cm)		SP	3.5/5	DP	2	4.0 1.1 0.9	840		
10	Grading to light-tan, decreasing gravel size (~2cm), no odor, no staining @ 11.0'		SP	4.5/5	DP	3	1.2 1.2	845		
15	Mixed gravel size (~2cm - 5cm) @ 16.5 - 17.0'		SP	2/5	DP	4	0.8	850		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM
Boring Log

Project Name: Gabresk.	Site: TU014	**Hole ID:** SB-21
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/24/14 @ 950
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/24/14 @ 1040
Drilling Equipment: Geoprobe 6620 DT	▼ Water Depth During Drilling (feet bgs): 34'	Date / Time Completed: 9/24/14 @ 1040
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 70's clear	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Fill, brick debris @ 1.0' SAND, soft, dry, brown, medium to coarse SAND, with 5% gravel no odor, no staining Grading to light tan @ 2.5'		SP	4/5	DP	1	3.5	955		GH-TU14SB21-05 4.0'-5.0' @ 1000 8260C, 8270D
5	Grading to light brown @ 5.0'-7.0' ~5cm quartzite gravel @6.0' Grading to light tan @ 7.0'		SP	3/5	DP	2	2.7 1.6	1000		
10	Orange-tan red lens @ 10.5' Dark brown lens @ 11.5' SAA		SP	4/5	DP	3	2.1 1.5	1005		
15	SAA		SP	4.5/5	DP	4	1.6	1010		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM
Boring Log

Project Name: Gabreski	Site: TU014	**Hole ID:** SB-22
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35.0'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/24/14 @ 1055
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/24/14 @ 1140
Drilling Equipment: Geoprobe 6620 DT	▼ Water Depth During Drilling (feet bgs): 34.0'	Date / Time Completed: 9/24/14 @ 1140
Drilling Method: Direct Push	Logged By: J. Christopler	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 70's clear	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Fill SAND Brown to dark brown, dry, soft, medium to coarse SAND with 5% gravel (<2cm) Grading to orange brown @ 2.0' Grading to light tan @ 3.0'		SP	4/5	DP	1	3.3 2.4	1100		
5	Grading to light brown @ 5.0' Grading to: light tan @ 5.5' Dark brown @ 6.0' Red brown @ 6.5' Light tan @ 7.0'		SP	4/5	DP	2	2.0 1.2	1105		
10	SAA Light tan red lens @ 10.5' - 11.0' Dark brown lens @ 11.5'		SP	4.5/5	DP	3	2.5 1.0	1110		
15	SAA		SP	4/5	DP	4	4.5 1.8	1115		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU014 | Hole ID: SB-22

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
25	SAA		SP	4/5	DP	5	2.0 2.8	1120		
	SAA		SP	4.5/5	DP	6	3.6 1.1	1125		GA-TU14SB22-26 25.0'-26.0' @ 1125 8260C, 8270D
30	SAA		SP	3/5	DP	7	7.4	1130		GA-TU14SB22-33 32.0'-33.0' @ 1135 8260C, 8270D
35	▽ = Dark grey, wet, staining Strong odor						▽ 1006			
40										
45										

Tracking Codes: 8/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU014	**Hole ID:** SB-23
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/24/14 @ 1210
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/24/14 @ 1310
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 34.0'	Date / Time Completed: 9/24/14 @ 1310
Drilling Method: Direct Push	Logged By: J. Christopler	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 70's clear	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Fill SAND dry, soft, dark brown, medium to coarse SAND, with 5% gravel, no odor, no staining Grading to light orange tan @ 2.5		SP	4.5/5	DP	1	3.2 1.9	1220		
5	SAA Grading to: brown @ 5.5' red brown @ 6.0' light tan @ 6.5'		SP	4/5	DP	2	1.6 0.7	1225		
10	SAA Grading to dark brown, no odor @ 11.5' - 12.0'		SP	4/5	DP	3	1.2 0.6	1230		
15	SAA		SP	4/5	DP	4	0.7 0.7	1235		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabresk. | Site: TU014 | Hole ID: SB-23

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAA		SP	4.5/5	DP	5	2.8	1240		
							6.1			GA-TU14SB23-25 25.0'-25.0' @ 1245 8260C, 8270D
25	SAA Grading to fine to coarse SAND with no gravel @ 28.0'-29.5'		SP	5/5	DP	6	0.6	1250		
			SW				0.3			
30			SP							
	SAA		SP	3.5/5	DP	7	6.0	1300		
	▽ = soft, wet, dark grey Stained, strong odor						96.3 ▽ = 948.1			GA-TU14SB23-33 33.0'-33.0' @ 1305 8260C, 8270D
35										
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU014	**Hole ID:** SB-24
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 35.0'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/24/14 @ 1305
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/24/14 @ 1350
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 34'	Date / Time Completed: 9/24/14 @ 1350
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 70's clear	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Fill SAND soft, dry, brown, medium to coarse SAND with 5% gravel no odor, no staining		SP	4.5/5	DP	1	1.6	1310		
	SILT stiff, dry, brown SILT with 15% fine sand, no odor, no staining @ 2.0'-2.5'		ML							
	Pulverized concrete 2.5'-3.0'		SP				0.9			
5	SAND medium stiff, moist, light orange, medium to coarse SAND with 5% gravel no odor, no staining 3.0'-7.0'		SP	4.5/5	DP	2	6.5	1315		GA-TU14 SB 24-07 6.0'-7.0' @ 1315 8260C, 8270D
	Grading to light orange tan						1.8			
10	SAA Large quartz gravel 75cm @ 12.0'		SP	5/5	DP	3	1.4	1320		
							2.3			
15	SAA Tan + grey lenses @ 17.0'		SP	5/5	DP	4	2.1	1325		
							1.4			
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU014 | Hole ID: SB-24

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
25	SAA		SP	5/5	DP	5	1.9 1.5	1330		
30	SAA		SP	4/5	DP	6	5.9	1335		
35	SAA ▽ = Dark grey, strong odor, heavy staining.		SP	4/5	DP	7	5.3 8.7 ▽ = 861.4	1345		GA-TU14SB24-33 32.0'-37.0' @ 1355 8260C, 8270D BOTTOM OF BORING
40										
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU015	**Hole ID:** SB-25
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 45.0'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/22/14 @ 1310
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/22/14 @ 1500
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 9/22/14 @ 1500
Drilling Method: Direct Push	Logged By: J. Christopler	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 70's clear	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Loose, dry, dark grey Gravel - FILL		GP				0.0			
	SAND stiff, dry, red-brown, medium SAND with 5% subround gravel (2cm) no odor, no staining		SP	4/5	DP	1	1.2	1315		
5	SAA		SP	4.5/5	DP	2	0.8	1325		
	Grading to light-tan @ 6.5'						0.9			
10	SAA		SP	4.5/5	DP	3	0.7	1340		
							0.4			Temp: 21.57 SC: 0.592 DO: 848 pH: 6.46 ORP: 185.1 Turb: 53.6
15	Grading to brown @ 15' Gravel lens @ 16.0' Orange lenses @ 16.75'		SP	4.5/5	DP	4	0.8	1350		
20							0.4			

Tracking Codes: 9/11/14, 14:07

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture,** (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU015 | Hole ID: SB-25

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAA Grading to grey, no odor, no staining 21.5'-22.0' SAND soft, moist, light-tan, medium to coarse SAND with 10% gravel no odor, no staining		SP SW	5/5	DP	5	0.5 0.7 0.3	1351		
25	Grey lens, no odor, no staining @ 25.5' Grading to Red-brown, no odor @ 26.5' 5% gravel Grading to deep red-brown @ 29.0'		SP	4.5/5	DP	6	0.8 1.5 0.2	1352		GA-TU15SB25-27 26.5'-27.0' @ 1420 8260C, 8270D
30	SAA, with grey-brown lenses, no odor		SP	3/5	DP	7	0.7 0.1	1355		
35	SAND soft, moist, light-tan, medium to coarse SAND with 5% gravel, no odor, no staining		SP	4.5/5	DP	8	0.2 0.1	1400		
40	SAA, with grey brown lenses, no odor Large rust colored area (~4") @ 41.5'		SP	3/5	DP	9	0.7			GA-TU15SB25-45 44.5'-45.0' @ 1425 8260C, 8270D GA-TU15GW25-01 @ 1455 8260C, 8270D
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM

Boring Log

Project Name: Gabreski	Site: TU015	**Hole ID:** SB-26
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 20.0'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/22/14 @ 1435
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/22/14 @ 1505
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 45.0'	Date / Time Completed: 9/22/14 @ 1505
Drilling Method: Direct Push	Logged By: J. Christopler	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 70's clear	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	Loose, dry, dark grey, GRAVEL		GP				0.1			
	SAND medium stiff, dry, red brown medium SAND, with 5% gravel (2cm) no odor, no staining		SP	4/5	DP	1	0.4	1440		
5	SAA Grey asphalt lens (?) @6.0' (3") Grading to light-tan @ 7.5'		SP	4.5/5	DP	2	0.8 1.1	1445		GA-TU15SB26-10 9.0'-10.0' @ 1510 8260C, 8270D
10	SAA		SP	4/5	DP	3	0.6 0.4	1450		
15	SAA Red-brown + grey lens, no odor, no staining @ 16.5'		SP	4/5	DP	4	0.4 0.8 0.7	1455		
20										

Tracking Codes: 9/11/14, 14:07

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log (Continued)

Project Name: Gabreski | Site: TU015 | Hole ID: SB-27

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAND soft, moist, light tan, medium to coarse SAND with 10% gravel (2-4cm), no odor, no staining		SW	5/5	DP	5	1.3	1025		GA-TU15SB27-22 21.0'-22.0' @ 1030 8260C, 8270D
	Grey-brown lens @ 23.75'									
	Grading to light tan						0.9			
25	SAA, 5% gravel		SP	5/5	DP	6	0.2	1030		
	Grey to brown lens @ 27.5'-28.5'									
	Grading to light tan @ 28.5'						0.6			
30	SAND soft, moist, medium to coarse SAND with 10% gravel (2-5cm), no odor, no staining		SW	5/5	DP	7	0.4	1040		
	Grading to dark tan-brown @ 34'						0.1			
35	SAA		SW	4/5	DP	8	0.2	1050		
	Grading to light tan @ 37.0'						0.3			
							0.9			
40	SAA		SW	3.25/5	DP	9	1.1	1105		GA-TU15SB27-45 44.5'-45.0' @ 1120 8260C, 8270D GA-TU15GW27-01 @ 1125 8260C, 8270D
	▽ = @ 44.5'						1.5			
							1.0			
45							▽ = 29.5			▽ =

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Sheet 1 of 2

Project Name: Gabreski	Site: TU015	**Hole ID:** SB-28
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 20'
Drilling Contractor: Zebra Tech	*Easting:* TBD	Date / Time Started: 9/22/14
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/22/14
Drilling Equipment: GeoProbe	▼ Water Depth During Drilling (feet bgs): 45.0'	Date / Time Completed: 9/22/14
Drilling Method: DPT	Logged By: J. Christopher	Checked By: N/A
Borehole Diameter (inches): 3"	Weather/Comments: 75°F, Sunny, Partly cloudy, 10 mph NW	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
1	Loose, dry, dark grey GRAVEL - FILL		FILL	3.5/5	DP	1	0.0			
	Medium Stiff, dry, red-brown medium SAND with <5% sub rounded gravel (2cm), no odor, no staining		SP SW				0.8	1240		SB S#: GA-TU15SB28-15 SD: 14-15 ST: 1315 A: VOCs (8260C)
5	Medium Stiff, dry, red-brown medium SAND with <5% sub rounded gravel (2cm), no odor, no staining		SP SW			2				
7	Soft, moist, light tan medium SAND with >5% sub rounded gravel (2cm) no odor, no staining		SP SW	4/5	DP		0.9	1245		SB S#: SD: ST: A: VOCs (8260C)
10	Soft, moist, light tan medium SAND with >5% sub rounded gravel (2cm)		SW SP SW	4/5	DP	3	1.9			
	Soft, moist, brown to grey medium SAND		SP					1250		Well head PID (ppm): Depth to Water (btoc): GW S#: Screen: ST: A: VOCs (8260C)
	Soft, moist, light tan medium SAND with >5% sub rounded gravel, no odor, no staining		SW				2.3			
15	Soft, moist, light tan medium SAND with >5%		SP	5/5	DP	4				Temp (°C): pH: SC (mS/cm): ORP (mV): DO (mg/L): Turbidity (NTU):
20										

Tracking Codes: 9/11/14, 10:42

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.

BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: ANGB SB LOG 2 SOIL 1 GW

AECOM
Boring Log

Project Name: Gabreski	Site: TU016	Hole ID: SB-29
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 45'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/26/14 @ 915
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/26/14 @ 1025
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 45'	Date / Time Completed: 9/26/14 @ 1025
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 75°, Sunny	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Top Soil									Grass Surface
	SAND Medium stiff, dry, brown medium to coarse SAND with 5% gravel (2cm), no odor, no staining		SP	3/5	DP	1	0.1	920		
	SILT lens, medium stiff, dry brown SILT with fine sand, no odor, no staining		ML				0.3			
5	SAND soft, moist, light brown medium to coarse SAND with 5% gravel (~2cm), no odor, no staining		SP	3/5	DP	2	1.2	925		
10	grading to light tan			4.5/5	DP	3	2.3	930		
							8.4			"GH-TU16SB29-15" 14.0-15.0 @ 930 VOCs + SVOCs DUP + MS/MSD
15	grading to brown			3.5/5	DP	4	6.2	935		
	grading to light tan						6.8			
20										

Tracking Codes: 9/11/14, 14:07

USCS Name. **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU016 | Hole ID: SB-29

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	NO RECOVERY		-	0/5	DP	5	-	950		
25	SAND Soft, moist, light brown to light tan medium to coarse SAND with 5% gravel, no odor, no staining		SP	4/5	DP	6	2.4 2.0	955		
30			SP	5/5	DP	7	1.8	1000		
35	grading to brown laminations		SP	5/5	DP	8	1.8	1010		GA-TU16SB29-01 @ 1055 8260C, 8270D
	grading to light tan						2.1			"GA-TU16SB29-44' 42.5'-43.5' @ 1000 VOCs + SVOCs DUP
40	grading to brown laminations		SP	5/5	DP	9	2.1	1020		T: 16.49°C pH: 6.85 SC: 0.431 ORP: 129.3 DO: 8.64 Turb: 218.8
45	wet @ 45'									

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Sheet 1 of 2

Project Name: Gabreski	Site: TU016	**Hole ID:** SB-30
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 20
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/26/14 @ 1130
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/26/14 @ 1200
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): UNK	Date / Time Completed: 9/26/14 @ 1200
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 75 Sunny	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Top Soil SAND Medium stiff, dry, brown medium to coarse SAND with 5% gravel (2cm), no odor, no staining		SP	2/5	DP	1	2.1	1135		SB S#: SD: ST: A: VOCs (8260C), SVOCs (8270D)
5	SILT lens, medium stiff, dry, brown SILT with fine sand, no odor, no staining SAND medium stiff, dry, brown medium to coarse SAND with 5% gravel (2cm), no odor, no staining grading to a dark brown lens		ML SP	2.5/5	DP	2	6.2 1.4	1145		SB S#: GA-TU16SB30-08 SD: 7.0 - 8.0 ST: 1145 A: VOCs (8260C), SVOCs (8270D)
10	grading to tan grading to light tan		SP	4/5	DP	3	2.1 2.9	1150		Well head PID (ppm): Depth to Water (btoc): GW S#: Screen: ST: A: VOCs (8260C), SVOCs (8270C)
15				4/5	DP	4	2.6	1155		Temp (°C): pH: SC (mS/cm): ORP (mV): DO (mg/L): Turbidity (NTU):
20										

Tracking Codes: 9/11/14, 10:42

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: ANGB SB LOG 2 SOIL 1 GW

AECOM
Boring Log

Project Name: Gabreski	Site: TU016	**Hole ID:** SB-31
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 20'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 1155, 9/26/14
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 1220, 9/26/14
Drilling Equipment: GeoProbe 6620 DT	▼ Water Depth During Drilling (feet bgs): UNK	Date / Time Completed: 1220, 9/26/14
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 75 Sunny	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Top Soil SAND Medium stiff, dry, tan medium to coarse SAND with 5% gravel (~2cm), no odor, no staining.		SP	2/5	DP	1	1.7	1200		Grass Surface SB S#: GA-TU16SB31-08 SD: 7.0-8.0 ST: 1205 A: VOCs (8260C), SVOCs (8270D)
5	Grades to dark brown @ 7.5'		SP	2.5/5	DP	2	1.4 18.1	1205		SB S#: SD: N/A ST: A: VOCs (8260C), SVOCs (8270D)
10	Grading to tan @ 9.0' Grading to light tan @ 11.0'		SP	4/5	DP	3	2.4 2.7	1210		Well head PID (ppm): Depth to Water (btoc): GW S#: Screen: N/A ST: A: VOCs (8260C), SVOCs (8270C)
15	Grading to tan/brown lamination @ 16.0' Grading to light tan @ 17.0'		SP	4/5	DP	4	2.9	1215		Temp (°C): pH: SC (mS/cm): ORP (mV): DO (mg/L): Turbidity (NTU):
20										

Tracking Codes: 9/11/14, 10:42

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture,** (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM
Boring Log

Sheet 1 of 2

Project Name: Gabreski	Site: TU016	**Hole ID:** SB.32
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 20'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/26/14 @ 1230
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/26/14 @ 1255
Drilling Equipment: Geoprobe 6620 DT	▼ Water Depth During Drilling (feet bgs): UNK	Date / Time Completed: 9/26/14 @ 1255
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 75, Sunny	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Top Soil									Grass Surface
	SAND Medium stiff, dry, tan to orange tan alternating medium to coarse SAND with 5% gravel (2cm), no odor, no staining		SP	3/5	DP	1	1.6	1235		SB S#: GA-TU16SB32-17 SD: 15.5-16.5 ST: 1250 A: VOCs (8260C), SVOCs (8270D)
5	Grading to 10% gravel @ 4.75'									
	Grading to 5% gravel, brown @6'		SP	4/5	DP	2	1.8	1240		SB S#: SD: N/A ST: A: VOCs (8260C), SVOCs (8270D)
	Grading to light tan @ 7.0'									
10							1.5			
			SP	4/5	DP	3	1.9	1245		Well head PID (ppm): Depth to Water (btoc): GW S#: N/A Screen: ST: A: VOCs (8260C), SVOCs (8270C)
15							0.9			
	Grading to brown @ 16.0'		SP	4/5	DP	4	2.1	1250		Temp (°C): pH: SC (mS/cm): ORP (mV): DO (mg/L): Turbidity (NTU):
	Gravel tan laminations @ 18.0'									
20							1.6			

Tracking Codes: 9/11/14, 10:42

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: ANGB SB LOG 2 SOIL 1 GW

AECOM

Boring Log

Sheet 1 of 21

Project Name: Gabreski	Site: TU 016	Hole ID: SB 33
Project Number: 60308608	*Northing:* TBD	Total Depth (feet): 20'
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 9/26/14 @ 1250
Driller: L. Reiss	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 9/26/14 @ 1315
Drilling Equipment: Geoprobe 6620 DT	▼ Water Depth During Drilling (feet bgs): UNK	Date / Time Completed: 9/26/14 @ 1315
Drilling Method: Direct Push	Logged By: J. Christopher	Checked By: JC
Borehole Diameter (inches): 3"	Weather/Comments: 75, Sunny	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Top Soil SAND medium stiff, dry, brown to tan medium to coarse SAND with 5% gravel (2cm), no odor, no staining		SP	2/5	DP	1	0.4	1255		Grass Surface
5	Grading to brown @ 6.0'		SP	2/5	DP	2	1.9	1300		GA-TU16SB33-10 9.0 - 10.0 1300 VOC 8260C SVOC 8270D
	Grading to red-brown @ 8.0'									
10	Grading to brown @ 11.0'		SP	3.5/5	DP	3	1.4	1305		
	Grading to light tan @ 13.5'									
15	Grading to brown @ 16.0'		SP	4/5	DP	4	0.8	1310		
	Grading to light tan @ 18.0'						1.1			
20										

Tracking Codes: 9/11/14, 14:07

USCS Name. Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.

BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU017	**Hole ID:** SB34 (B1)
Project Number:	*Northing:* TBD	Total Depth (feet): 40' bgs
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 10-1-14 8:55
Driller: Zuke	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 10-1-14 ~~9:30~~ 9:55
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): 35'	Date / Time Completed: 10-1-14 10:05
Drilling Method: Direct Push	Logged By: J. Christoffel	Checked By:
Borehole Diameter (inches): 2"	Weather/Comments: 60° / Rainy	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	F-C Sand, trace f-m gravel, brown, well graded, dry. (Logged material from pre-clear).	–	SW	NA	–	–	NA	9:00 ~~9:55~~ 9:55	–	SB S#: GA TU17SB34-15 SD: 10-15 ST: 9:10 A: VOCs (8260C), SVOCs (8270D)
5	F-M Sand, trace f-m gravel, brown to light brown, well graded, dry	–	SW	60/60	–	–	0.1	9:05	–	SB S#: GA TU17SB34-37' SD: 35-37 DUP ST: 9:36 Collected A: VOCs (8260C), SVOCs (8270D)
10	SAA.	–	SW	36/60	–	–	0.7	9:18	–	Well head PID (ppm): – Depth to Water (btoc): – GW S#: GA-TU17GW34-01 Screen: – ST: 9:55 A: VOCs (8260C), SVOCs (8270C)
15	SAA.	–	SW	52/60	–	–	0.1	9:14	–	Temp (°C): 16.19 pH: 6.95 SC (mS/cm): 0.575 ORR (mV): 104.2 DO (mg/L): 8.76 Turbidity (NTU): 301.2
20										

Tracking Codes: 9/11/14, 10:43

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominenlly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.

BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Boring Log (Continued)

Project Name: Gabreski | Site: TU017 | Hole ID: SB34

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	F-M Sand, trace f-m gravel, well graded, light brown, dry	-	SW	55/60	-	-	0.0	9:19	-	
25	SAA	-	SW	51/60	-	-	0.0	9:25	-	
30	SAA	-	SW	60/60	-	-	0.1	9:30	-	
35	SAA, wet @ 38' bgs	-	SW	60/60	-	-	0.1	9:36	-	
40	End of Boring									
45										

Tracking Codes: 9/11/14, 14:07

Form: ANGB LOG NO SAMPLE INFO INCLUDED

AECOM
Boring Log

Project Name: Gabreski	Site: TU017	**Hole ID:** SB35
Project Number:	*Northing:* TBD	Total Depth (feet): 20' bgs
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 10-1-14 / 10:32
Driller: Luke	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 10:45
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): See SB-34	Date / Time Completed: 10:50 – patched hole
Drilling Method: Direct Push	Logged By: J. Christoffel	Checked By:
Borehole Diameter (inches): 2"	Weather/Comments: 60° / Rainy	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Pre-clear- F-C sand, little f-c gravel, few cobbles, well graded, brown, dry	–	F-11 SW	NA	–	–	NA	10:30	–	SB S#: GATU17SB35-15 SD: 10-15 ST: 10:10 A: VOCs (8260C), SVOCs (8270D)
5	~~F-M~~ F-C sand, trace-few F-M gravel, well graded, brown, dry	–	SW	45/60	–	–	2.1	10:35	–	SB S#: SD: NA ST: A: VOCs (8260C), SVOCs (8270D)
10	F-M sand, trace f-m gravel, well graded, l. brown, dry.	–	SW	38/60	–	–	4.8	10:40	–	Well head PID (ppm): Depth to Water (btoc): GW S#: Screen: NA ST: A: VOCs (8260C), SVOCs (8270C)
15	SAA	–	SW	32/60	–	–	1.4	10:45	–	Temp (°C): pH: SC (mS/cm): ORP (mV): DO (mg/L): Turbidity (NTU): NA
20	End of Boring									

Tracking Codes: 9/11/14, 10:43

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM
Boring Log

Sheet 1 of 2

Project Name: Gabreski	Site: TU017	**Hole ID:** SB36
Project Number:	*Northing:* TBD	Total Depth (feet): 20
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 10-1-14 / 10:55
Driller: Luke	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 10-1-14 / 11:10
Drilling Equipment: Geoprob	▼ Water Depth During Drilling (feet bgs): see SB-34	Date / Time Completed: 11:20 - Patched up hole
Drilling Method: Direct Push	Logged By: J. Christoffel	Checked By:
Borehole Diameter (inches): 2"	Weather/Comments: 60° / Rainy	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	Preclear: F-C sand, little f-c gravel, well graded, brown, dry	–	FILL - SW	NA	–	–	NA	1035	–	SB S#: GA TU17SB36-20 SD: 15-20 ST: 11:10 A: VOCs (8260C), SVOCs (8270D)
5	F-M sand, trace f-m gravel, well graded, brown, dry	–	SW	48/60	–	–	0.1	1120	–	SB S#: SD: ST: A: VOCs (8260C), SVOCs (8270D)
10	SAA	–	SW	42/60	–	–	1.4	1104	–	Well head PID (ppm): Depth to Water (btoc): GW S#: Screen: ST: A: VOCs (8260C), SVOCs (8270C)
15	SAA	–	SW	52/60	–	–	2.2	11:10	–	Temp (°C): pH: SC (mS/cm): ORP (mV): DO (mg/L): Turbidity (NTU):
20										

Tracking Codes: 9/11/14, 10:43

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: ANGB SB LOG 2 SOIL 1 GW

AECOM
Boring Log

Sheet 1 of 2

Project Name: Gabreski	Site: TU017	**Hole ID:** SB-38
Project Number:	*Northing:* TBD	Total Depth (feet): 20' bgs
Drilling Contractor: Zebra	*Easting:* TBD	Date / Time Started: 10-1-14 11:35
Driller: Luke	Elevation (feet MSL): *Ground:* TBD	Date / Time Finished: 10-1-14 11:45
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs): SEP SB-34	Date / Time Completed: 10-1-14 11:56
Drilling Method: Direct Push	Logged By: J. Christoffel	Checked By:
Borehole Diameter (inches): 2"	Weather/Comments: 60°s / Rainy	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	F-C sand, few f-c gravel, well graded, brown, dry	-	FILL - SW	NA	-	-	NA	11:31	-	SB S#: GA-TU17SB38-15 SD: 10-15 ST: 11:40 A: VOCs (8260C), SVOCs (8270D)
5	F-M sand, trace f-m gravel, well graded, l. brown, dry	-	SW	50/60	-	-	0.2	11:35	-	SB S#: SD: ST: A: VOCs (8260C), SVOCs (8270D)
10	SAA	-	SW	56/60	-	-	0.6	11:40	-	Well head PID (ppm): Depth to Water (btoc): GW S#: Screen: ST: A: VOCs (8260C), SVOCs (8270C)
15	SAA, few f-m gravel.	-	SW	59/60	-	-		11:45	-	Temp (°C): SC (mS/cm): DO (mg/L): pH: ORP (mV): Turbidity (NTU):
20										

NA

Tracking Codes: 9/11/14, 10:43

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.

BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Appendix A-2

Instrument Calibration

This page intentionally left blank.

AECOM

EQUIPMENT CALIBRATION DAILY LOG

Date:	9-29-14 / 9-30-14	**Project Name:**	TU-013 - Gaboreski
Project Number:		**Recorded By:**	J. Christoffel

PID	Model: MiniRae 3000		Bulb: —		Morning Calibration	Evening Check	Additional Calib./Check (if necessary)
	Equipment ID #: R12291						
	Parameter	Standard	Exp. Date	Lot #	Time: 8:54	Time: NA	Time:
First Point Calibration	Vapor conc. (ppm)	0.0 (ambient air)	NA	NA	Initials: JC	Value: 9-29 0.0 / 9-30 0.0	NA
Second Point Calibration	Vapor conc. (ppm)	100 (isobutylene)	NA	NA	Initials: JC	Value: 9-29 99.6 / 9-30 98.1	NA

COMB. GAS/O_2 METER	Model:		Bulb:		Morning Calibration	Evening Check	Additional Calib./Check (if necessary)
	Equipment ID #:						
	Parameter	Standard	Exp. Date	Lot #	Time:	Time:	Time:
First Point Calibration	O_2 (%)	20.9%			Initials:	Value:	
	H_2S (%)	25 ppm			Initials:	Value:	
	CO (%)	50 ppm			Initials:	Value:	
	% LEL Pentane	50% (methane)			Initials:	Value:	

WATER QUALITY METER	Model: YSI 6920				Morning Calibration/Check	Evening Check (one point only)	Additional Calib./Check (if necessary)
	Equipment ID #: 2650						
	Parameter	Standard	Exp. Date	Lot #	Time: 7:45	Time: 9/29	Time: 9/30
First Point Calibration (Auto)	pH	7.0			Initials: JC	Value: 7.00	6.91
	Conductivity (mS/cm)	1.413				Value: 1.402	1.405
	Turbidity (NTU)	0				Value: 0.00	0.0
	ORP (mV)	240	NA	NA		Value: 236.30	235.99
Second Piont Calibration	pH	4.0			Initials: JC	Value: 4.05	4.10
	Conductivity (mS/cm)					Value: —	—
	Turbidity (NTU)	100				Value: —	—
Third Piont Calibration	pH	10.0			Value:	Value: 10.12	10.16
	Conductivity (mS/cm)				Value:	Value: —	—
	Turbidity (NTU)				Value:	Value: —	

Additional Remarks:

AECOM

EQUIPMENT CALIBRATION DAILY LOG

Date: 10-1-14	Project Name: Gabreski - 74017
Project Number:	Recorded By: J. Christoffel

PID	Model: MiniRae 3000	Bulb: —			Morning Calibration	Evening Check	Additional Calib./Check (if necessary)
	Equipment ID #: R12241						
	Parameter	Standard	Exp. Date	Lot #	Time: 8:35	Time:	Time:
First Point Calibration	Vapor conc. (ppm)	0.0 (ambient air)	NA	NA	Initials: JC	Value: 0.0	
Second Point Calibration	Vapor conc. (ppm)	100 (isobutylene)			Initials: JC	Value: 99.8	

COMB. GAS/O_2 METER	Model:	Bulb:			Morning Calibration	Evening Check	Additional Calib./Check (if necessary)
	Equipment ID #:						
	Parameter	Standard	Exp. Date	Lot #	Time:	Time:	Time:
First Point Calibration	O_2 (%)	20.9%			Initials:	Value:	
	H_2S (%)	25 ppm			Initials:	Value:	
	CO (%)	50 ppm			Initials:	Value:	
	% LEL Pentane	50% (methane)			Initials:	Value:	

WATER QUALITY METER	Model: 451G426				Morning Calibration/Check	Evening Check (one point only)	Additional Calib./Check (if necessary)
	Equipment ID #: 265C						
	Parameter	Standard	Exp. Date	Lot #	Time: 8:42	Time:	Time:
First Point Calibration (Auto)	pH	7.0			Initials: JC	Value: 6.90	
	Conductivity (mS/cm)	1.413				Value: 1.408	
	Turbidity (NTU)	0				Value: 0.00	
	ORP (mV)	240	NA	NA		Value: 239.2	
Second Piont Calibration	pH	4.0			Initials: JC	Value: 4.01	
	Conductivity (mS/cm)					Value: —	
	Turbidity (NTU)	100				Value: —	
Third Piont Calibration	pH	10.0			Value:	Value: 10.07	
	Conductivity (mS/cm)				Value:	Value: —	
	Turbidity (NTU)				Value:	Value: —	

Additional Remarks:

Appendix B

Analytical Data Packages

This page intentionally left blank.

TRIMATRIX LABORATORIES

5560 Corporate Exchange Court, SE
Grand Rapids, MI 49512 616.975.4500

TRANSMITTAL FORM

Date: October 27, 2014

Attention: Ms. Devon Chicoine
To: AECOM
3101 Wilson Blvd
Arlington, VA 22201

(703)-682-9069

Project Name: Multiple ANGBs
Gabreski ANGB, NY

SDG: 50094-12

Work Order(s): 1409384, 1409422, 1409444, 1409479, 1409499, 1409499, 1410014, 1410025, 1410085

WE ARE SENDING YOU:

By: ☐ US Mail ☐ FedEx ☐ Courier ☒ FTP

ENCLOSED WITH THIS TRANSMITTAL: ☒ **UNDER SEPARATE COVER:** ☐

☐ Report(s) (Draft)	☐ Proposal	☐ QAPP Information
☒ Report(s) (Final)	☐ Contract Documents	☒ Data Validation Package

QUANTITY	DESCRIPTION / DOCUMENT NAME
1	PDF of the Final Data Deliverables for SDG 50094-12 for Multiple ANGBs, Gabreski ANGB, NY. The data package consists of 4,857 pages with this transmittal form page 1 of the report.

THESE ARE TRANSMITTED AS CHECKED BELOW:

☒ Furnished As Requested ☒ For Review and Comment ☐ For Submittal To: _____
☐ For File ☐ As Corrected

REMARKS:

ERPIMS EDD is pending

cc:

BY: Walt Roudebush
Project Chemist

DATA VALIDATION PACKAGE

Prepared for:

AECOM - Alexandria, VA
3101 Wilson Blvd, Suite 900
Arlington, VA 22201

Project:

Gabreski ANGB, NY

Sample Delivery Group (SDG):

50094-12

Prepared by:

TriMatrix Laboratories, Inc.
5560 Corporate Exchange Court SE
Grand Rapids, MI 49512-5503

Report Date:

October 24, 2014



10/24/2014

Walter J. Roudebush, Project Chemist
roudebushw@trimatrixlabs.com

Approval Date

TABLE OF CONTENTS

AECOM - Alexandria, VA
Gabreski ANGB, NY

Section	Description	Pages
	Cover Page	**0002**
	Table of Contents	**0003**
	SDG Case Narrative	**0004-0055**
A	**Field COC Records and Receiving Documentation**	**0056-0117**
B	**Internal COC Records**	**0118-0165**
C	**GC/MS Volatile Organics** ● USEPA-8260C	**0166-1861** 0167-1861
D	**GC/MS Semi-Volatile Organics** ● USEPA-8270D	**1862-4720** 1863-4720
E	**Inorganic - Wet Chemistry** ● USEPA-3550C	**4721-4857** 4722-4857

SDG CASE NARRATIVE

AECOM - Alexandria, VA
Gabreski ANGB, NY

SDG Executive Summary

This case narrative applies to samples received on September 23, 2014 through October 02, 2014. All samples were scheduled for analysis in accordance with parameters outlined on the field chain of custody record, the TriMatrix bid form, and/or oral and written correspondence between AECOM - Alexandria, VA and TriMatrix Laboratories, Inc.

Each sample receipt event was assigned a unique TriMatrix work order number. Sample receipt documentation is included in section A of this data package.

Project Technical Issues/Problems

Project-related data qualification designations, narrations, and reporting conventions are included in Attachment 1 - *Project Technical Narrative(s)*.

QA/QC Data Qualifications/Narrations

Quality assurance issues and/or quality control data qualifications and narrations related to the analysis and reporting of this SDG are presented in Attachment 2 - *Statement of Data Qualifications*. The absence of a statement page for a particular analyte group (*e.g.* Percent Solids) implies that no qualifying statements were generated for that analyte.

Data Review and Approval

All data was peer-reviewed by a second analyst, and then by appropriate data management staff against laboratory quality control requirements and project specifications. It was then reviewed and approved by the group supervisor/manager prior to further review by the project chemist.

Data Deliverables

This report relates only to the sample(s) as received. Estimates of analytical uncertainties for the test results contained within this report are available upon request. Test results are in compliance with the requirements of the DoD Quality Systems Manual for Environmental Laboratories Version 4.2, the National Environmental Laboratory Accreditation Conference (NELAC), and one or more of the following certification programs:

ACLASS DoD-ELAP/ISO17025 (#ADE-1542); Arkansas DEP (#13-049-0); Florida DEP (#E87622-24); Georgia EPD (#E87622-24); Illinois DEP (#003329); Kansas DPH (#E-10302); Kentucky DEP (#0021); Louisiana DEP (#103068); Michigan DPH (#0034); Minnesota DPH (#367345); New York ELAP (#46503); North Carolina DNRE (#659); Texas CEQ (#T104704495-14-4); Virginia DCLS (#2592); Wisconsin DNR (#999472650); USDA Soil Import Permit (#P330-09-00163).

000004
This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

The data deliverables, both hardcopy and/or electronic (EDD), that comprise this data package are intended to comply with the documents referenced in the introductory section of this narrative. The EDD, if requested, will be issued separately from this hardcopy report. Hold time reports for each test procedure are presented following the CLP-like forms section of this report.

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1409384

TriMatrix Laboratories received the cooler(s) for this work order on September 23, 2014, at 08:25am. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and FedEx shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

Samples were scheduled for the analyses listed on the corresponding COC form. Field IDs and assigned laboratory identifiers are presented in the table below.

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
FQC-TB092214JC-001	1409384-01	Water	9/22/2014
GA-TU15SB27-22	1409384-02	Soil	9/22/2014
GA-TU15SB27-45	1409384-03	Soil	9/22/2014
GA-TU15GW27-01	1409384-04	Ground Water	9/22/2014
GA-TU15SB28-15	1409384-05	Soil	9/22/2014
GA-TU15SB25-27	1409384-06	Soil	9/22/2014
GA-TU15SB25-45	1409384-07	Soil	9/22/2014
GA-TU15GW25-01	1409384-08	Ground Water	9/22/2014
GA-TU15SB26-10	1409384-09	Soil	9/22/2014

Any administrative issues encountered during the receipt and analysis of this work order were documented via e-mail correspondence with the client.

000006

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1409422

TriMatrix Laboratories received the cooler(s) for this work order on September 24, 2014, at 08:25am. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and FedEx shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

Samples were scheduled for the analyses listed on the corresponding COC form. Field IDs and assigned laboratory identifiers are presented in the table below.

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
GA-TU14SB16-12	1409422-01	Soil	9/23/2014
GA-TU14SB16-35	1409422-02	Soil	9/23/2014
GA-TU14SB15-13	1409422-03	Soil	9/23/2014
GA-TU14SB17-21	1409422-04	Soil	9/23/2014
GA-TU14SB17-34	1409422-05	Soil	9/23/2014
GA-TU14SB19-35	1409422-06	Soil	9/23/2014
GA-TU14SB15-35	1409422-07	Soil	9/23/2014
GA-TU14SB15-35DUP	1409422-08	Soil	9/23/2014
GA-TU14SB19-16	1409422-09	Soil	9/23/2014
GA-TU14SB18-35	1409422-10	Soil	9/23/2014
GA-TU14SB18-05	1409422-11	Soil	9/23/2014
GA-TU14GW15-01	1409422-12	Ground Water	9/23/2014
FQC-TB092314JC-001	1409422-13	Water	9/23/2014

Any administrative issues encountered during the receipt and analysis of this work order were documented via e-mail correspondence with the client.

000007

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1409444

TriMatrix Laboratories received the cooler(s) for this work order on September 25, 2014, at 08:15am. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and FedEx shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

Samples were scheduled for the analyses listed on the corresponding COC form. Field IDs and assigned laboratory identifiers are presented in the table below.

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
FQC-TB092414JC-001	1409444-01	Water	9/24/2014
GA-TU14GW20-01	1409444-02	Ground Water	9/24/2014
GA-TU14SB23-25	1409444-03	Soil	9/24/2014
GA-TU14SB23-33	1409444-04	Soil	9/24/2014
GA-TU14SB24-07	1409444-05	Soil	9/24/2014
GA-TU14SB24-33	1409444-06	Soil	9/24/2014
GA-TU14SB21-5	1409444-07	Soil	9/24/2014
GA-TU14SB21-33	1409444-08	Soil	9/24/2014
GA-TU14SB22-26	1409444-09	Soil	9/24/2014
GA-TU14SB22-33	1409444-10	Soil	9/24/2014
GA-TU14SB20-5	1409444-11	Soil	9/24/2014
GA-TU14SB20-33	1409444-12	Soil	9/24/2014

Any administrative issues encountered during the receipt and analysis of this work order were documented via e-mail correspondence with the client.

000008

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1409479

TriMatrix Laboratories received the cooler(s) for this work order on September 26, 2014, at 09:00am. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and FedEx shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

Samples were scheduled for the analyses listed on the corresponding COC form. Field IDs and assigned laboratory identifiers are presented in the table below.

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
GA-TU13SB01-08	1409479-01	Soil	9/25/2014
GA-TU13SB01-32	1409479-02	Soil	9/25/2014
GA-TU13SB02-14	1409479-03	Soil	9/25/2014
GA-TU13SB02-33	1409479-04	Soil	9/25/2014
GA-TU13SB04-07	1409479-05	Soil	9/25/2014
GA-TU13SB04-33	1409479-06	Soil	9/25/2014
FQC-TB092514JC-001	1409479-07	Water	9/25/2014
GA-TU13SB03-12	1409479-08	Soil	9/25/2014
GA-TU13GW02-01	1409479-09	Ground Water	9/25/2014
GA-TU13GW05-01	1409479-10	Ground Water	9/25/2014
GA-TU13GW03-01	1409479-11	Ground Water	9/25/2014
GA-TU13SB06-14	1409479-12	Soil	9/25/2014
GA-TU13SB06-33	1409479-13	Soil	9/25/2014
GA-TU13SB07-08	1409479-14	Soil	9/25/2014
GA-TU13SB07-33	1409479-15	Soil	9/25/2014
GA-TU13SB03-33	1409479-16	Soil	9/25/2014
GA-TU13SB05-12	1409479-17	Soil	9/25/2014
GA-TU13SB05-33	1409479-18	Soil	9/25/2014

Any administrative issues encountered during the receipt and analysis of this work order were documented via e-mail correspondence with the client.

000009

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1409499

TriMatrix Laboratories received the cooler(s) for this work order on September 27, 2014, at 09:20am. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and FedEx shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

Samples were scheduled for the analyses listed on the corresponding COC form. Field IDs and assigned laboratory identifiers are presented in the table below.

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
FQC-TB092614JC-001	1409499-01	Water	9/26/2014
GA-TU16SB30-08	1409499-02	Soil	9/26/2014
GA-TU16SB31-08	1409499-03	Soil	9/26/2014
GA-TU16SB32-17	1409499-04	Soil	9/26/2014
GA-TU16SB33-10	1409499-05	Soil	9/26/2014
GA-TU16GW29-01	1409499-06	Ground Water	9/26/2014
FQC-EB092614JC-001	1409499-07	Water	9/26/2014
GA-TU16SB29-15	1409499-08	Soil	9/26/2014
GA-TU16SB29-15DUP	1409499-09	Soil	9/26/2014
GA-TU16SB29-44	1409499-10	Soil	9/26/2014
GA-TU16SB29-44DUP	1409499-11	Soil	9/26/2014

Any administrative issues encountered during the receipt and analysis of this work order were documented via e-mail correspondence with the client.

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1410014

TriMatrix Laboratories received the cooler(s) for this work order on September 30, 2014, at 08:40am. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and FedEx shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

Samples were scheduled for the analyses listed on the corresponding COC form. Field IDs and assigned laboratory identifiers are presented in the table below.

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
GA-TU13SB8-15	1410014-01	Soil	9/29/2014
GA-TU13SB8-34	1410014-02	Soil	9/29/2014
GA-TU13SB9-20	1410014-03	Soil	9/29/2014
GA-TU13SB9-34	1410014-04	Soil	9/29/2014
GA-TU13SB10-15	1410014-05	Soil	9/29/2014
GA-TU13SB10-34	1410014-06	Soil	9/29/2014
GA-TU13SB11-20	1410014-07	Soil	9/29/2014
GA-TU13SB11-34	1410014-08	Soil	9/29/2014
GA-TU13GW08-01	1410014-09	Ground Water	9/29/2014
GA-TU13GW09-01	1410014-10	Ground Water	9/29/2014
FQC-TB092914JC-001	1410014-11	Water	9/29/2014

Any administrative issues encountered during the receipt and analysis of this work order were documented via e-mail correspondence with the client.

000011

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1410025

TriMatrix Laboratories received the cooler(s) for this work order on October 01, 2014, at 09:00am. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and FedEx shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

Samples were scheduled for the analyses listed on the corresponding COC form. Field IDs and assigned laboratory identifiers are presented in the table below.

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
GA-TU13SB12-15	1410025-01	Soil	9/30/2014
GA-TU13SB12-34	1410025-02	Soil	9/30/2014
GA-TU13SB13-20	1410025-03	Soil	9/30/2014
GA-TU13SB13-34	1410025-04	Soil	9/30/2014
GA-TU13SB14-15	1410025-05	Soil	9/30/2014
GA-TU13SB14-34	1410025-06	Soil	9/30/2014
GA-TU13SB14-34DUP	1410025-07	Soil	9/30/2014
GA-TU13GW12-01	1410025-08	Ground Water	9/30/2014
GA-TU13GW13-01	1410025-09	Ground Water	9/30/2014
FQC-TB093014JC-001	1410025-10	Water	9/30/2014

Any administrative issues encountered during the receipt and analysis of this work order were documented via e-mail correspondence with the client.

000012

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1410085

TriMatrix Laboratories received the cooler(s) for this work order on October 02, 2014, at 08:30am. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and FedEx shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

Samples were scheduled for the analyses listed on the corresponding COC form. Field IDs and assigned laboratory identifiers are presented in the table below.

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
GA-TU17SB34-15	1410085-01	Soil	10/1/2014
GA-TU17SB34-37	1410085-02	Soil	10/1/2014
GA-TU17GW34-01	1410085-03	Ground Water	10/1/2014
GA-TU17SB35-15	1410085-04	Soil	10/1/2014
GA-TU17SB36-20	1410085-05	Soil	10/1/2014
GA-TU17SB38-15	1410085-06	Soil	10/1/2014
FQC-TB100114JC-001	1410085-07	Water	10/1/2014
GA-TU017SB34-37DUP	1410085-08	Soil	10/1/2014
GA-TU017SB38-15DUP	1410085-09	Soil	10/1/2014

Any administrative issues encountered during the receipt and analysis of this work order were documented via e-mail correspondence with the client.

000013

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Sample Result Reporting Convention

Sample results are reported as LOD "U" (e.g. 0.001 U) if the target analyte was not detected at or above the detection limit (DL). The LOD is the Limit of Detection as defined in the DoD QSM and numerically determined by TriMatrix.

If a sample for an organic analyte is reanalyzed and also reported, the second analysis includes the suffix "RE*n*" where *n* = the first, second, etc. reanalysis. If a sample is reanalyzed for confirmation purposes but that confirmation was not performed simultaneously, the second set of sample results is reported on a second Form 1 since the confirmation analysis did not occur at the same time and/or date.

Percent Solids and Metals Data Reporting

Unless otherwise noted, all soil samples requiring metals analysis are dried at 50° to 60° C to a constant weight prior to acid digestion. In order to report results on a dry weight basis, correction for percent solids is not applicable.

Data Qualifier Designation

If applicable, sample results are qualified with:

a "U" flag as defined above;
a "J" flag if the analyte was detected, but the concentration is greater than the DL and less than the LOQ (the Limit of Quantitation as defined in the DoD QSM);
a "B" flag if the analyte was detected above one-half the LOQ (above the LOQ for a common laboratory contaminant) in the associated method blank, and the sample concentration was less than or equal to ten times the method blank result;
a "E" flag if the analyte exceeded the instrument calibration range;
a "N" flag for a non-target analyte identified as a tentatively identified compound using mass spectrometry;
a LIMS-generated statement of qualification that will be reported in Attachment 2 to this narrative.

Batch and Analytical Batch Designation

A Quality Control (QC) Batch is a seven-digit number that associates all samples that have been prepared together (or analyzed together if there is no preparation). Quality Control batches are limited to no more than twenty samples, excluding batch QC (method blanks, control spikes, etc.). Some batches may contain multiple sets of method blanks (BLK) and laboratory control samples (BS), where a set of method quality control analyses were prepared in concert with each set of samples on a given day.

An Analytical Batch (or Sequence) is a seven-digit number that associates all samples analyzed as a set under one analytical run.

000014
This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Volatile Organic Compounds by EPA Method 8260C

Narrative: At the written request of the client, batch matrix quality control (QC) was not performed for this analysis. A Method Blank and Laboratory Control Sample comprise the batch QC.

Analysis: USEPA-8260C

Sample/Analyte:	
1409384-01	FQC-TB092214JC-001
1409384-04	GA-TU15GW27-01
1409384-08	GA-TU15GW25-01
1409422-12	GA-TU14GW15-01
1409422-13	FQC-TB092314JC-001
1409444-01	FQC-TB092414JC-001
1409444-02	GA-TU14GW20-01
1409479-07	FQC-TB092514JC-001
1409479-09	GA-TU13GW02-01
1409479-10	GA-TU13GW05-01
1409479-11	GA-TU13GW03-01
1409499-01	FQC-TB092614JC-001
1409499-06	GA-TU16GW29-01
1409499-07	FQC-EB092614JC-001
1410014-09	GA-TU13GW08-01
1410014-10	GA-TU13GW09-01
1410014-11	FQC-TB092914JC-001
1410025-01	GA-TU13SB12-15
1410025-02	GA-TU13SB12-34
1410025-03	GA-TU13SB13-20
1410025-04	GA-TU13SB13-34
1410025-05	GA-TU13SB14-15
1410025-06	GA-TU13SB14-34
1410025-07	GA-TU13SB14-34DUP
1410025-08	GA-TU13GW12-01
1410025-09	GA-TU13GW13-01
1410025-10	FQC-TB093014JC-001
1410085-01	GA-TU17SB34-15
1410085-02	GA-TU17SB34-37
1410085-04	GA-TU17SB35-15
1410085-05	GA-TU17SB36-20
1410085-06	GA-TU17SB38-15

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Volatile Organic Compounds by EPA Method 8260C (Continued)

Sample/Analyte: 1410085-08 GA-TU017SB34-37DUP
1410085-09 GA-TU017SB38-15DUP

000016

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Narrative: At the written request of the client, batch matrix quality control (QC) was not performed for this analysis. A Method Blank and Laboratory Control Sample comprise the batch QC.

Analysis: USEPA-8270D

Sample/Analyte:	
1409479-01	GA-TU13SB01-08
1409479-02	GA-TU13SB01-32
1409479-03	GA-TU13SB02-14
1409479-04	GA-TU13SB02-33
1409479-05	GA-TU13SB04-07
1409479-06	GA-TU13SB04-33
1409479-08	GA-TU13SB03-12
1409479-12	GA-TU13SB06-14
1409479-13	GA-TU13SB06-33
1409479-14	GA-TU13SB07-08
1409479-15	GA-TU13SB07-33
1409479-16	GA-TU13SB03-33
1409479-17	GA-TU13SB05-12
1409479-18	GA-TU13SB05-33
1409499-06	GA-TU16GW29-01
1409499-07	FQC-EB092614JC-001
1410014-09	GA-TU13GW08-01
1410014-10	GA-TU13GW09-01
1410025-01	GA-TU13SB12-15
1410025-02	GA-TU13SB12-34
1410025-03	GA-TU13SB13-20
1410025-04	GA-TU13SB13-34
1410025-05	GA-TU13SB14-15
1410025-06	GA-TU13SB14-34
1410025-07	GA-TU13SB14-34DUP
1410025-08	GA-TU13GW12-01
1410025-09	GA-TU13GW13-01
1410085-01	GA-TU17SB34-15
1410085-02	GA-TU17SB34-37
1410085-03	GA-TU17GW34-01
1410085-04	GA-TU17SB35-15
1410085-05	GA-TU17SB36-20

000018

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Sample/Analyte:	1410085-06	GA-TU17SB38-15
	1410085-08	GA-TU017SB34-37DUP
	1410085-09	GA-TU017SB38-15DUP

Narrative: Due to sample volumes, batch matrix quality control (QC) was not performed for this analysis. A Method Blank and Laboratory Control Sample comprise the batch QC.

Analysis: USEPA-8270D

Sample/Analyte:	1409422-12	GA-TU14GW15-01
	1409444-02	GA-TU14GW20-01
	1409479-09	GA-TU13GW02-01
	1409479-10	GA-TU13GW05-01
	1409479-11	GA-TU13GW03-01

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Narrative: Manual integration was performed on this sample for the analyte(s) listed below in accordance with the TriMatrix Manual Integration SOP. All necessary documentation, including the signed review, is included in the raw data section of the data package.

Analysis: USEPA-8270D

Sample/Analyte:		
1409422-01	GA-TU14SB16-12	Benzo(b)fluoranthene
1409422-01	GA-TU14SB16-12	Benzo(k)fluoranthene
1409422-01	GA-TU14SB16-12	Indeno(1,2,3-cd)pyrene
1409422-01RE1	GA-TU14SB16-12	Benzo(b)fluoranthene
1409422-01RE1	GA-TU14SB16-12	Benzo(k)fluoranthene
1409422-02	GA-TU14SB16-35	Benzoic Acid
1409422-03	GA-TU14SB15-13	2-Fluorophenol
1409422-03	GA-TU14SB15-13	Benzoic Acid
1409422-04	GA-TU14SB17-21	Benzo(b)fluoranthene
1409422-04	GA-TU14SB17-21	Benzo(k)fluoranthene
1409422-05	GA-TU14SB17-34	2-Fluorophenol
1409422-05	GA-TU14SB17-34	Benzoic Acid
1409422-06	GA-TU14SB19-35	2-Fluorophenol
1409422-06	GA-TU14SB19-35	Benzoic Acid
1409422-07	GA-TU14SB15-35	2-Fluorophenol
1409422-07	GA-TU14SB15-35	Benzoic Acid
1409422-08	GA-TU14SB15-35DUP	2-Fluorophenol
1409422-08	GA-TU14SB15-35DUP	Benzoic Acid
1409422-10	GA-TU14SB18-35	2-Fluorophenol
1409422-10	GA-TU14SB18-35	Benzoic Acid
1409422-10	GA-TU14SB18-35	Diethyl Phthalate
1409422-11	GA-TU14SB18-05	Benzo(b)fluoranthene
1409422-11	GA-TU14SB18-05	Benzo(k)fluoranthene
1409444-02	GA-TU14GW20-01	1,2-Diphenylhydrazine
1409444-02	GA-TU14GW20-01	2,4-Dimethylphenol
1409444-02	GA-TU14GW20-01	Acenaphthene
1409444-02	GA-TU14GW20-01	Dibenzofuran
1409444-02	GA-TU14GW20-01	Diethyl Phthalate
1409444-02	GA-TU14GW20-01	Isophorone
1409444-02	GA-TU14GW20-01	Nitrobenzene-d5
1409444-02	GA-TU14GW20-01	Phenol

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Sample/Analyte:	1409444-03	GA-TU14SB23-25	2-Fluorophenol
	1409444-03	GA-TU14SB23-25	Benzoic Acid
	1409444-04	GA-TU14SB23-33	2-Fluorophenol
	1409444-04	GA-TU14SB23-33	Benzoic Acid
	1409444-04	GA-TU14SB23-33	Diethyl Phthalate
	1409444-05	GA-TU14SB24-07	Benzo(b)fluoranthene
	1409444-05	GA-TU14SB24-07	Benzo(g,h,i)perylene
	1409444-05	GA-TU14SB24-07	Benzo(k)fluoranthene
	1409444-05	GA-TU14SB24-07	Indeno(1,2,3-cd)pyrene
	1409444-05RE1	GA-TU14SB24-07	Benzo(b)fluoranthene
	1409444-05RE1	GA-TU14SB24-07	Benzo(k)fluoranthene
	1409444-05RE1	GA-TU14SB24-07	Indeno(1,2,3-cd)pyrene
	1409444-06	GA-TU14SB24-33	Benzo(b)fluoranthene
	1409444-06	GA-TU14SB24-33	Benzo(k)fluoranthene
	1409444-07	GA-TU14SB21-5	Benzoic Acid
	1409444-08	GA-TU14SB21-33	Benzoic Acid
	1409444-09	GA-TU14SB22-26	Benzoic Acid
	1409444-11	GA-TU14SB20-5	Benzoic Acid
	1409444-11	GA-TU14SB20-5	Butyl Benzyl Phthalate
	1409444-12	GA-TU14SB20-33	Benzoic Acid
	1409444-12	GA-TU14SB20-33	Diethyl Phthalate
	1409479-01	GA-TU13SB01-08	Benzo(b)fluoranthene
	1409479-01	GA-TU13SB01-08	Benzo(k)fluoranthene
	1409479-01	GA-TU13SB01-08	Dibenz(a,h)anthracene
	1409479-01	GA-TU13SB01-08	Indeno(1,2,3-cd)pyrene
	1409479-02	GA-TU13SB01-32	2-Fluorophenol
	1409479-02	GA-TU13SB01-32	Acenaphthene
	1409479-02	GA-TU13SB01-32	Benzo(b)fluoranthene
	1409479-02	GA-TU13SB01-32	Benzo(k)fluoranthene
	1409479-02	GA-TU13SB01-32	Benzoic Acid
	1409479-02	GA-TU13SB01-32	Indeno(1,2,3-cd)pyrene
	1409479-02RE1	GA-TU13SB01-32	Chrysene-d12
	1409479-03	GA-TU13SB02-14	2-Fluorophenol
	1409479-03	GA-TU13SB02-14	Benzo(b)fluoranthene
	1409479-03	GA-TU13SB02-14	Benzo(k)fluoranthene
	1409479-03	GA-TU13SB02-14	Benzoic Acid
	1409479-03	GA-TU13SB02-14	Butyl Benzyl Phthalate

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Sample/Analyte:	1409479-04	GA-TU13SB02-33	Benzoic Acid
	1409479-04RE1	GA-TU13SB02-33	Benzoic Acid
	1409479-05	GA-TU13SB04-07	2-Fluorophenol
	1409479-05	GA-TU13SB04-07	Benzo(b)fluoranthene
	1409479-05	GA-TU13SB04-07	Benzo(k)fluoranthene
	1409479-05	GA-TU13SB04-07	Benzyl Alcohol
	1409479-05	GA-TU13SB04-07	Indeno(1,2,3-cd)pyrene
	1409479-05RE1	GA-TU13SB04-07	Di-n-octyl Phthalate
	1409479-05RE2	GA-TU13SB04-07	2-Fluorophenol
	1409479-05RE2	GA-TU13SB04-07	Benzo(b)fluoranthene
	1409479-05RE2	GA-TU13SB04-07	Benzo(k)fluoranthene
	1409479-05RE2	GA-TU13SB04-07	Indeno(1,2,3-cd)pyrene
	1409479-05RE3	GA-TU13SB04-07	Di-n-octyl Phthalate
	1409479-06	GA-TU13SB04-33	2-Fluorophenol
	1409479-06	GA-TU13SB04-33	Benzoic Acid
	1409479-06RE1	GA-TU13SB04-33	Benzo(b)fluoranthene
	1409479-06RE1	GA-TU13SB04-33	Benzo(k)fluoranthene
	1409479-10	GA-TU13GW05-01	Benzoic Acid
	1409479-12	GA-TU13SB06-14	Benzo(b)fluoranthene
	1409479-12	GA-TU13SB06-14	Benzo(k)fluoranthene
	1409479-13	GA-TU13SB06-33	2-Fluorophenol
	1409479-13	GA-TU13SB06-33	Butyl Benzyl Phthalate
	1409479-14	GA-TU13SB07-08	Benzo(b)fluoranthene
	1409479-14	GA-TU13SB07-08	Benzo(k)fluoranthene
	1409479-14	GA-TU13SB07-08	Di-n-octyl Phthalate
	1409479-15	GA-TU13SB07-33	2-Fluorophenol
	1409479-16	GA-TU13SB03-33	2-Fluorophenol
	1409479-16	GA-TU13SB03-33	Benzoic Acid
	1409479-16	GA-TU13SB03-33	Butyl Benzyl Phthalate
	1409479-18	GA-TU13SB05-33	2-Fluorophenol
	1409479-18RE1	GA-TU13SB05-33	Benzoic Acid
	1409499-02	GA-TU16SB30-08	Benzo(b)fluoranthene
	1409499-02	GA-TU16SB30-08	Benzo(k)fluoranthene
	1409499-02RE1	GA-TU16SB30-08	Benzoic Acid
	1409499-03RE1	GA-TU16SB31-08	Benzo(b)fluoranthene
	1409499-03RE1	GA-TU16SB31-08	Benzo(k)fluoranthene
	1409499-03RE1	GA-TU16SB31-08	Di-n-octyl Phthalate

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Sample/Analyte:	1409499-04	GA-TU16SB32-17	Benzo(b)fluoranthene
	1409499-04	GA-TU16SB32-17	Benzo(k)fluoranthene
	1409499-04	GA-TU16SB32-17	Benzoic Acid
	1409499-04	GA-TU16SB32-17	Di-n-octyl Phthalate
	1409499-04	GA-TU16SB32-17	Indeno(1,2,3-cd)pyrene
	1409499-04RE1	GA-TU16SB32-17	Benzo(b)fluoranthene
	1409499-04RE1	GA-TU16SB32-17	Benzo(k)fluoranthene
	1409499-04RE1	GA-TU16SB32-17	Benzoic Acid
	1409499-04RE1	GA-TU16SB32-17	Butyl Benzyl Phthalate
	1409499-05	GA-TU16SB33-10	Benzo(b)fluoranthene
	1409499-05	GA-TU16SB33-10	Benzo(k)fluoranthene
	1409499-05	GA-TU16SB33-10	Butyl Benzyl Phthalate
	1409499-05RE1	GA-TU16SB33-10	Diethyl Phthalate
	1409499-05RE1	GA-TU16SB33-10	Di-n-octyl Phthalate
	1409499-06RE1	GA-TU16GW29-01	Benzoic Acid
	1409499-08	GA-TU16SB29-15	Benzoic Acid
	1409499-08	GA-TU16SB29-15	Diethyl Phthalate
	1409499-09	GA-TU16SB29-15DUP	Benzoic Acid
	1409499-11	GA-TU16SB29-44DUP	Di-n-octyl Phthalate
	1410014-01	GA-TU13SB8-15	Benzo(b)fluoranthene
	1410014-01	GA-TU13SB8-15	Benzo(k)fluoranthene
	1410014-01	GA-TU13SB8-15	Diethyl Phthalate
	1410014-01RE1	GA-TU13SB8-15	Benzo(b)fluoranthene
	1410014-01RE1	GA-TU13SB8-15	Benzo(k)fluoranthene
	1410014-01RE1	GA-TU13SB8-15	Di-n-octyl Phthalate
	1410014-02	GA-TU13SB8-34	Benzoic Acid
	1410014-02	GA-TU13SB8-34	Butyl Benzyl Phthalate
	1410014-03	GA-TU13SB9-20	Butyl Benzyl Phthalate
	1410014-04	GA-TU13SB9-34	Benzoic Acid
	1410014-05	GA-TU13SB10-15	Benzo(b)fluoranthene
	1410014-05	GA-TU13SB10-15	Benzo(k)fluoranthene
	1410014-05	GA-TU13SB10-15	Benzoic Acid
	1410014-05	GA-TU13SB10-15	Indeno(1,2,3-cd)pyrene
	1410014-05RE1	GA-TU13SB10-15	Bis(2-ethylhexyl) Phthalate
	1410014-05RE1	GA-TU13SB10-15	Dibenz(a,h)anthracene
	1410014-05RE1	GA-TU13SB10-15	Di-n-octyl Phthalate

000023

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Sample/Analyte:	1410014-06	GA-TU13SB10-34	Benzo(b)fluoranthene
	1410014-06	GA-TU13SB10-34	Benzo(k)fluoranthene
	1410014-06	GA-TU13SB10-34	Diethyl Phthalate
	1410014-06RE1	GA-TU13SB10-34	Butyl Benzyl Phthalate
	1410014-06RE1	GA-TU13SB10-34	Di-n-octyl Phthalate
	1410014-07	GA-TU13SB11-20	Butyl Benzyl Phthalate
	1410014-08	GA-TU13SB11-34	Benzo(b)fluoranthene
	1410014-08	GA-TU13SB11-34	Benzo(k)fluoranthene
	1410014-08	GA-TU13SB11-34	Diethyl Phthalate
	1410014-08	GA-TU13SB11-34	Indeno(1,2,3-cd)pyrene
	1410014-08RE1	GA-TU13SB11-34	Chrysene-d12
	1410014-08RE1	GA-TU13SB11-34	Di-n-octyl Phthalate
	1410014-08RE2	GA-TU13SB11-34	2-Fluorophenol
	1410014-08RE2	GA-TU13SB11-34	Di-n-octyl Phthalate
	1410014-08RE2	GA-TU13SB11-34	Indeno(1,2,3-cd)pyrene
	1410014-08RE3	GA-TU13SB11-34	Di-n-octyl Phthalate
	1410025-01	GA-TU13SB12-15	Butyl Benzyl Phthalate
	1410025-01	GA-TU13SB12-15	Di-n-octyl Phthalate
	1410025-02	GA-TU13SB12-34	Di-n-octyl Phthalate
	1410025-02RE1	GA-TU13SB12-34	Di-n-octyl Phthalate
	1410025-03	GA-TU13SB13-20	Di-n-octyl Phthalate
	1410025-04	GA-TU13SB13-34	Benzoic Acid
	1410025-04	GA-TU13SB13-34	Di-n-octyl Phthalate
	1410025-05	GA-TU13SB14-15	Benzo(b)fluoranthene
	1410025-05	GA-TU13SB14-15	Benzo(k)fluoranthene
	1410025-05	GA-TU13SB14-15	Butyl Benzyl Phthalate
	1410025-05	GA-TU13SB14-15	Diethyl Phthalate
	1410025-05	GA-TU13SB14-15	Di-n-octyl Phthalate
	1410025-05RE1	GA-TU13SB14-15	Benzo(b)fluoranthene
	1410025-05RE1	GA-TU13SB14-15	Benzo(k)fluoranthene
	1410025-05RE1	GA-TU13SB14-15	Butyl Benzyl Phthalate
	1410025-05RE1	GA-TU13SB14-15	Di-n-butyl Phthalate
	1410025-05RE1	GA-TU13SB14-15	Di-n-octyl Phthalate
	1410025-06	GA-TU13SB14-34	Benzoic Acid
	1410025-06	GA-TU13SB14-34	Di-n-octyl Phthalate
	1410025-06RE1	GA-TU13SB14-34	Di-n-octyl Phthalate
	1410025-06RE2	GA-TU13SB14-34	Di-n-octyl Phthalate

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Sample/Analyte:	1410025-06RE3	GA-TU13SB14-34	Di-n-octyl Phthalate
	1410025-07	GA-TU13SB14-34DUP	Butyl Benzyl Phthalate
	1410025-08	GA-TU13GW12-01	Acenaphthene
	1410025-09	GA-TU13GW13-01	Benzoic Acid
	1410085-01	GA-TU17SB34-15	2,4-Dimethylphenol
	1410085-01	GA-TU17SB34-15	Benzo(b)fluoranthene
	1410085-01	GA-TU17SB34-15	Benzo(k)fluoranthene
	1410085-01	GA-TU17SB34-15	Di-n-octyl Phthalate
	1410085-01RE1	GA-TU17SB34-15	Benzo(b)fluoranthene
	1410085-01RE1	GA-TU17SB34-15	Benzo(k)fluoranthene
	1410085-02	GA-TU17SB34-37	Benzo(b)fluoranthene
	1410085-02	GA-TU17SB34-37	Benzo(k)fluoranthene
	1410085-02	GA-TU17SB34-37	Benzoic Acid
	1410085-02	GA-TU17SB34-37	Di-n-octyl Phthalate
	1410085-02RE1	GA-TU17SB34-37	Benzo(b)fluoranthene
	1410085-02RE1	GA-TU17SB34-37	Benzo(k)fluoranthene
	1410085-02RE1	GA-TU17SB34-37	Chrysene-d12
	1410085-02RE1	GA-TU17SB34-37	Dibenz(a,h)anthracene
	1410085-02RE1	GA-TU17SB34-37	Di-n-octyl Phthalate
	1410085-04	GA-TU17SB35-15	Benzoic Acid
	1410085-04	GA-TU17SB35-15	Butyl Benzyl Phthalate
	1410085-04RE1	GA-TU17SB35-15	Butyl Benzyl Phthalate
	1410085-04RE1	GA-TU17SB35-15	Di-n-octyl Phthalate
	1410085-05	GA-TU17SB36-20	Benzoic Acid
	1410085-05RE1	GA-TU17SB36-20	Butyl Benzyl Phthalate
	1410085-05RE1	GA-TU17SB36-20	Di-n-octyl Phthalate
	1410085-06	GA-TU17SB38-15	Indeno(1,2,3-cd)pyrene
	1410085-06RE1	GA-TU17SB38-15	Di-n-octyl Phthalate
	1410085-08	GA-TU017SB34-37DUP	Benzo(b)fluoranthene
	1410085-08	GA-TU017SB34-37DUP	Benzo(k)fluoranthene
	1410085-08	GA-TU017SB34-37DUP	Dibenz(a,h)anthracene
	1410085-08	GA-TU017SB34-37DUP	Di-n-octyl Phthalate
	1410085-09	GA-TU017SB38-15DUP	Benzoic Acid
	1410085-09	GA-TU017SB38-15DUP	Di-n-octyl Phthalate
	1410325-BS1		N-Nitroso-dimethylamine
	1410423-BLK1		2-Fluorophenol
	1410423-BS1		2-Fluorophenol

000025

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

1410423-BS1	4-Chloroaniline
1410423-BS1	N-Nitroso-dimethylamine
1410423-BS2	4-Chloroaniline
1410423-MS1	4-Chloroaniline
1410423-MS1	N-Nitroso-dimethylamine
1410423-MSD1	4-Chloroaniline
1410423-MSD1	Chrysene-d12
1410496-BLK1	Benzoic Acid
1410496-BLK2	Benzoic Acid
1410496-BS1	4-Chloroaniline
1410496-BS1	N-Nitroso-dimethylamine
1410496-BS2	4-Chloroaniline
1410496-BS2	N-Nitroso-dimethylamine
1410563-BLK1	Benzoic Acid
1410563-BLK1	Di-n-octyl Phthalate
1410563-BLK2	2-Fluorophenol
1410563-BS1	4-Chloroaniline
1410563-BS2	2,4,5-Trichlorophenol
1410563-BS2	2,4,6-Trichlorophenol
1410563-BS2	2,6-Dinitrotoluene
1410563-BS2	2-Fluorophenol
1410563-MS1	2,4,5-Trichlorophenol
1410563-MS1	2,4,6-Trichlorophenol
1410563-MS1	2-Nitrophenol
1410563-MS1	4-Chloroaniline
1410563-MSD1	4-Chloroaniline
1410563-MSD1	N-Nitroso-dimethylamine
1410920-BLK2	Di-n-octyl Phthalate

Narrative: Manual integration was required on the analytes listed below. All manual integrations were performed and reviewed in accordance with TriMatrix laboratory policy.

Analysis: USEPA-8270D

Sample/Analyte: 1409479-08 GA-TU13SB03-12 Di-n-octyl Phthalate

000026

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Narrative: Surrogate results are unavailable due to positive results in the sample, resulting in a dilution. Surrogate concentrations were diluted below the calibration range.

Analysis: USEPA-8270D
Sample/Analyte: 1410014-08RE1 GA-TU13SB11-34

Narrative: Surrogate results are unavailable due to sample matrix interference(s), resulting in a dilution. Surrogate concentrations were diluted below the calibration range.

Analysis: USEPA-8270D
Sample/Analyte: 1409444-05 GA-TU14SB24-07
1409444-05RE1 GA-TU14SB24-07
1409479-05RE1 GA-TU13SB04-07
1409479-05RE3 GA-TU13SB04-07
1409479-08 GA-TU13SB03-12
1409479-17 GA-TU13SB05-12
1409479-17RE1 GA-TU13SB05-12
1410014-08RE3 GA-TU13SB11-34

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Narrative: The analyte concentration in the associated MB was greater than or equal to 1/2 the LOQ. The positive sample result, which was greater than 10 times the MB value, is not considered estimated.

Analysis: USEPA-8270D

Sample/Analyte:			
	1409422-01	GA-TU14SB16-12	Bis(2-ethylhexyl) Phthalate
	1409422-01RE1	GA-TU14SB16-12	Bis(2-ethylhexyl) Phthalate
	1409422-04	GA-TU14SB17-21	Bis(2-ethylhexyl) Phthalate
	1409422-12	GA-TU14GW15-01	Bis(2-ethylhexyl) Phthalate
	1409444-02	GA-TU14GW20-01	Bis(2-ethylhexyl) Phthalate
	1409444-05	GA-TU14SB24-07	Bis(2-ethylhexyl) Phthalate
	1409444-05RE1	GA-TU14SB24-07	Bis(2-ethylhexyl) Phthalate
	1409444-10	GA-TU14SB22-33	Bis(2-ethylhexyl) Phthalate
	1409479-01	GA-TU13SB01-08	Bis(2-ethylhexyl) Phthalate
	1409479-01RE1	GA-TU13SB01-08	Bis(2-ethylhexyl) Phthalate
	1409479-02	GA-TU13SB01-32	Bis(2-ethylhexyl) Phthalate
	1409479-02RE1	GA-TU13SB01-32	Bis(2-ethylhexyl) Phthalate
	1409479-05	GA-TU13SB04-07	Bis(2-ethylhexyl) Phthalate
	1409479-05RE1	GA-TU13SB04-07	Bis(2-ethylhexyl) Phthalate
	1409479-05RE2	GA-TU13SB04-07	Bis(2-ethylhexyl) Phthalate
	1409479-05RE3	GA-TU13SB04-07	Bis(2-ethylhexyl) Phthalate
	1409479-09	GA-TU13GW02-01	Bis(2-ethylhexyl) Phthalate

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Sample/Analyte:	1409499-04	GA-TU16SB32-17	Bis(2-ethylhexyl) Phthalate
	1409499-04RE1	GA-TU16SB32-17	Bis(2-ethylhexyl) Phthalate
	1409499-05	GA-TU16SB33-10	Bis(2-ethylhexyl) Phthalate
	1410014-05	GA-TU13SB10-15	Bis(2-ethylhexyl) Phthalate
	1410014-06	GA-TU13SB10-34	Bis(2-ethylhexyl) Phthalate
	1410014-06RE1	GA-TU13SB10-34	Bis(2-ethylhexyl) Phthalate
	1410014-08	GA-TU13SB11-34	Bis(2-ethylhexyl) Phthalate
	1410014-08RE1	GA-TU13SB11-34	Bis(2-ethylhexyl) Phthalate

Narrative: The recovery of acid surrogate Phenol-d6 was outside of the control limits in the LCS. All acid analytes in the LCS had acceptable spike recoveries. No data requires qualification.

Analysis: USEPA-8270D
1410842-BS1

000029
This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Narrative: The RL for this analysis has been elevated due to sample matrix interference.

Analysis: USEPA-8270D

Sample/Analyte:
1409422-01 GA-TU14SB16-12
1409422-01RE1 GA-TU14SB16-12
1409422-11 GA-TU14SB18-05
1409444-05 GA-TU14SB24-07
1409444-05RE1 GA-TU14SB24-07
1409444-10 GA-TU14SB22-33
1409479-01RE1 GA-TU13SB01-08
1409479-02RE1 GA-TU13SB01-32
1409479-03RE1 GA-TU13SB02-14
1409479-05RE1 GA-TU13SB04-07
1409479-05RE3 GA-TU13SB04-07
1409479-08 GA-TU13SB03-12
1409479-12 GA-TU13SB06-14
1409479-14 GA-TU13SB07-08
1409479-17 GA-TU13SB05-12
1409479-17RE1 GA-TU13SB05-12
1409499-02RE1 GA-TU16SB30-08
1409499-03 GA-TU16SB31-08
1409499-03RE1 GA-TU16SB31-08
1409499-04RE1 GA-TU16SB32-17
1409499-05RE1 GA-TU16SB33-10
1409499-06RE1 GA-TU16GW29-01
1409499-11RE1 GA-TU16SB29-44DUP
1410014-01RE1 GA-TU13SB8-15
1410014-05RE1 GA-TU13SB10-15
1410014-06RE1 GA-TU13SB10-34
1410014-08RE3 GA-TU13SB11-34
1410025-02RE1 GA-TU13SB12-34
1410025-05RE1 GA-TU13SB14-15
1410025-06RE1 GA-TU13SB14-34
1410025-06RE3 GA-TU13SB14-34
1410085-01RE1 GA-TU17SB34-15
1410085-04RE1 GA-TU17SB35-15
1410085-05RE1 GA-TU17SB36-20

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative(s)

Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Sample/Analyte: 1410085-06RE1 GA-TU17SB38-15

Narrative: The RL for this analysis was elevated due to insufficient sample volume or weight received.

Analysis: USEPA-8270D

Sample/Analyte: 1409479-09 GA-TU13GW02-01
1409479-10 GA-TU13GW05-01
1409479-11 GA-TU13GW03-01

Narrative: This sample was re-extracted due to low surrogate recovery in the initial extract. The re-extracted sample had acceptable surrogate recovery, but was extracted outside of the EPA holding time. Both sample extract results were reported.

Analysis: USEPA-8270D

Sample/Analyte: 1410025-06 GA-TU13SB14-34

Narrative: This sample was reextracted due to low surrogate recovery. The reextract also had low surrogate recovery, confirming matrix interference. Both results are reported.

Analysis: USEPA-8270D

Sample/Analyte: 1409479-05 GA-TU13SB04-07

Narrative: This sample was reextracted due to low surrogate recovery. The reextract had acceptable surrogate recovery, both samples are reported.

Analysis: USEPA-8270D

Sample/Analyte: 1409422-07 GA-TU14SB15-35
1409479-04 GA-TU13SB02-33
1409479-06 GA-TU13SB04-33
1409479-18 GA-TU13SB05-33

Narrative: This sample was reextracted out of hold due to low surogate recovery. The reextract also had low surrogate recovery, confirming matrix interference. Both results are reported.

Analysis: USEPA-8270D

Sample/Analyte: 1410014-08 GA-TU13SB11-34

000031

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Volatile Organic Compounds by EPA Method 8260C

Qualification: The LCS recovery was outside of the control limit with no allowed marginal exceedences. The result for this analyte in any sample from the associated QC batch is considered qualified.

Analysis: USEPA-8260C

Sample/Analyte:	
1409444-03 GA-TU14SB23-25	Methylene Chloride
1409444-04 GA-TU14SB23-33	Methylene Chloride
1409444-05 GA-TU14SB24-07	Methylene Chloride
1409444-06 GA-TU14SB24-33	Methylene Chloride
1409444-07 GA-TU14SB21-5	Methylene Chloride
1409444-08 GA-TU14SB21-33	Methylene Chloride
1409444-09 GA-TU14SB22-26	Methylene Chloride
1409444-10 GA-TU14SB22-33	Methylene Chloride
1409444-11 GA-TU14SB20-5	Methylene Chloride
1409444-12 GA-TU14SB20-33	Methylene Chloride
1409479-01 GA-TU13SB01-08	Methylene Chloride
1409479-02 GA-TU13SB01-32	Methylene Chloride
1409479-03 GA-TU13SB02-14	Methylene Chloride
1409479-04 GA-TU13SB02-33	Methylene Chloride
1409479-05 GA-TU13SB04-07	Methylene Chloride
1409479-06 GA-TU13SB04-33	Methylene Chloride
1409479-08 GA-TU13SB03-12	Methylene Chloride
1409479-12 GA-TU13SB06-14	Methylene Chloride
1409479-13 GA-TU13SB06-33	Methylene Chloride
1410025-01 GA-TU13SB12-15	Methylene Chloride
1410025-02 GA-TU13SB12-34	Methylene Chloride
1410025-03 GA-TU13SB13-20	Methylene Chloride
1410025-04 GA-TU13SB13-34	Methylene Chloride
1410025-05 GA-TU13SB14-15	Methylene Chloride
1410025-06 GA-TU13SB14-34	Methylene Chloride
1410025-07 GA-TU13SB14-34DUP	Methylene Chloride
1410085-01 GA-TU17SB34-15	Methylene Chloride
1410085-02 GA-TU17SB34-37	Methylene Chloride
1410085-04 GA-TU17SB35-15	Methylene Chloride
1410085-05 GA-TU17SB36-20	Methylene Chloride

000033

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Volatile Organic Compounds by EPA Method 8260C

Sample/Analyte:	1410085-06 GA-TU17SB38-15	Methylene Chloride
	1410085-08 GA-TU017SB34-37DUP	Methylene Chloride
	1410085-09 GA-TU017SB38-15DUP	Methylene Chloride

Qualification: The SCV for this initial calibration had a recovery outside the control limit. All results for this analyte in the associated calibration should be considered as estimated.

Analysis: USEPA-8260C

Sample/Analyte:	1410085-03 GA-TU17GW34-01	Carbon Disulfide
	1410085-07 FQC-TB100114JC-001	Carbon Disulfide

Qualification: The CCV for this analytical sequence had a recovery outside the control limit. All results for this analyte in the analytical sequence should be considered as estimated.

Analysis: USEPA-8260C

Sample/Analyte:	1409444-03 GA-TU14SB23-25	2-Butanone (MEK)
	1409444-03 GA-TU14SB23-25	Acetone
	1409444-03 GA-TU14SB23-25	Methylene Chloride
	1409444-04 GA-TU14SB23-33	2-Butanone (MEK)
	1409444-04 GA-TU14SB23-33	Acetone
	1409444-04 GA-TU14SB23-33	Methylene Chloride
	1409444-05 GA-TU14SB24-07	2-Butanone (MEK)
	1409444-05 GA-TU14SB24-07	Acetone
	1409444-05 GA-TU14SB24-07	Methylene Chloride
	1409444-06 GA-TU14SB24-33	2-Butanone (MEK)
	1409444-06 GA-TU14SB24-33	Acetone
	1409444-06 GA-TU14SB24-33	Methylene Chloride
	1409444-07 GA-TU14SB21-5	2-Butanone (MEK)
	1409444-07 GA-TU14SB21-5	Acetone
	1409444-07 GA-TU14SB21-5	Methylene Chloride
	1409444-08 GA-TU14SB21-33	2-Butanone (MEK)
	1409444-08 GA-TU14SB21-33	Acetone
	1409444-08 GA-TU14SB21-33	Methylene Chloride
	1409444-09 GA-TU14SB22-26	2-Butanone (MEK)
	1409444-09 GA-TU14SB22-26	Acetone
	1409444-09 GA-TU14SB22-26	Methylene Chloride

000034
This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Volatile Organic Compounds by EPA Method 8260C

Sample/Analyte:	1409444-10 GA-TU14SB22-33	2-Butanone (MEK)
	1409444-10 GA-TU14SB22-33	Acetone
	1409444-10 GA-TU14SB22-33	Methylene Chloride
	1409444-11 GA-TU14SB20-5	2-Butanone (MEK)
	1409444-11 GA-TU14SB20-5	Acetone
	1409444-11 GA-TU14SB20-5	Methylene Chloride
	1409444-12 GA-TU14SB20-33	2-Butanone (MEK)
	1409444-12 GA-TU14SB20-33	Acetone
	1409444-12 GA-TU14SB20-33	Methylene Chloride
	1409479-01 GA-TU13SB01-08	2-Butanone (MEK)
	1409479-01 GA-TU13SB01-08	Acetone
	1409479-01 GA-TU13SB01-08	Methylene Chloride
	1409479-02 GA-TU13SB01-32	2-Butanone (MEK)
	1409479-02 GA-TU13SB01-32	Acetone
	1409479-02 GA-TU13SB01-32	Methylene Chloride
	1409479-03 GA-TU13SB02-14	2-Butanone (MEK)
	1409479-03 GA-TU13SB02-14	Acetone
	1409479-03 GA-TU13SB02-14	Methylene Chloride
	1409479-04 GA-TU13SB02-33	2-Butanone (MEK)
	1409479-04 GA-TU13SB02-33	Acetone
	1409479-04 GA-TU13SB02-33	Methylene Chloride
	1409479-05 GA-TU13SB04-07	2-Butanone (MEK)
	1409479-05 GA-TU13SB04-07	Acetone
	1409479-05 GA-TU13SB04-07	Methylene Chloride
	1409479-06 GA-TU13SB04-33	2-Butanone (MEK)
	1409479-06 GA-TU13SB04-33	Acetone
	1409479-06 GA-TU13SB04-33	Methylene Chloride
	1409479-08 GA-TU13SB03-12	2-Butanone (MEK)
	1409479-08 GA-TU13SB03-12	Acetone
	1409479-08 GA-TU13SB03-12	Methylene Chloride
	1409479-12 GA-TU13SB06-14	2-Butanone (MEK)
	1409479-12 GA-TU13SB06-14	Acetone
	1409479-12 GA-TU13SB06-14	Methylene Chloride
	1409479-13 GA-TU13SB06-33	2-Butanone (MEK)
	1409479-13 GA-TU13SB06-33	Acetone

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Volatile Organic Compounds by EPA Method 8260C

Sample/Analyte:	1409479-13 GA-TU13SB06-33	Methylene Chloride
	1409499-02 GA-TU16SB30-08	Methylene Chloride
	1409499-02 GA-TU16SB30-08	Naphthalene
	1409499-03 GA-TU16SB31-08	Methylene Chloride
	1409499-03 GA-TU16SB31-08	Naphthalene
	1409499-04 GA-TU16SB32-17	Methylene Chloride
	1409499-04 GA-TU16SB32-17	Naphthalene
	1409499-05 GA-TU16SB33-10	Methylene Chloride
	1409499-05 GA-TU16SB33-10	Naphthalene
	1409499-08 GA-TU16SB29-15	Methylene Chloride
	1409499-08 GA-TU16SB29-15	Naphthalene
	1409499-09 GA-TU16SB29-15DUP	Methylene Chloride
	1409499-09 GA-TU16SB29-15DUP	Naphthalene
	1409499-10 GA-TU16SB29-44	Methylene Chloride
	1409499-10 GA-TU16SB29-44	Naphthalene
	1409499-11 GA-TU16SB29-44DUP	Methylene Chloride
	1409499-11 GA-TU16SB29-44DUP	Naphthalene
	1410014-01 GA-TU13SB8-15	Methylene Chloride
	1410014-01 GA-TU13SB8-15	Naphthalene
	1410014-02 GA-TU13SB8-34	Methylene Chloride
	1410014-02 GA-TU13SB8-34	Naphthalene
	1410014-03 GA-TU13SB9-20	Methylene Chloride
	1410014-03 GA-TU13SB9-20	Naphthalene
	1410014-04 GA-TU13SB9-34	Methylene Chloride
	1410014-04 GA-TU13SB9-34	Naphthalene
	1410014-05 GA-TU13SB10-15	Methylene Chloride
	1410014-05 GA-TU13SB10-15	Naphthalene
	1410014-06 GA-TU13SB10-34	Methylene Chloride
	1410014-06 GA-TU13SB10-34	Naphthalene
	1410014-07 GA-TU13SB11-20	Methylene Chloride
	1410014-07 GA-TU13SB11-20	Naphthalene
	1410014-08 GA-TU13SB11-34	Methylene Chloride
	1410014-08 GA-TU13SB11-34	Naphthalene
	1410025-01 GA-TU13SB12-15	Acetone
	1410025-01 GA-TU13SB12-15	Methylene Chloride

000036
This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Volatile Organic Compounds by EPA Method 8260C

Sample/Analyte:	1410025-02 GA-TU13SB12-34	Acetone
	1410025-02 GA-TU13SB12-34	Methylene Chloride
	1410025-03 GA-TU13SB13-20	Acetone
	1410025-03 GA-TU13SB13-20	Methylene Chloride
	1410025-04 GA-TU13SB13-34	Acetone
	1410025-04 GA-TU13SB13-34	Methylene Chloride
	1410025-05 GA-TU13SB14-15	Acetone
	1410025-05 GA-TU13SB14-15	Methylene Chloride
	1410025-06 GA-TU13SB14-34	Acetone
	1410025-06 GA-TU13SB14-34	Methylene Chloride
	1410025-07 GA-TU13SB14-34DUP	Acetone
	1410025-07 GA-TU13SB14-34DUP	Methylene Chloride
	1410085-01 GA-TU17SB34-15	Acetone
	1410085-01 GA-TU17SB34-15	Methylene Chloride
	1410085-02 GA-TU17SB34-37	Acetone
	1410085-02 GA-TU17SB34-37	Methylene Chloride
	1410085-03 GA-TU17GW34-01	Chloromethane
	1410085-03 GA-TU17GW34-01	Dichlorodifluoromethane
	1410085-04 GA-TU17SB35-15	Acetone
	1410085-04 GA-TU17SB35-15	Methylene Chloride
	1410085-05 GA-TU17SB36-20	Acetone
	1410085-05 GA-TU17SB36-20	Methylene Chloride
	1410085-06 GA-TU17SB38-15	Acetone
	1410085-06 GA-TU17SB38-15	Methylene Chloride
	1410085-07 FQC-TB100114JC-001	Chloromethane
	1410085-07 FQC-TB100114JC-001	Dichlorodifluoromethane
	1410085-08 GA-TU017SB34-37DUP	Acetone
	1410085-08 GA-TU017SB34-37DUP	Methylene Chloride
	1410085-09 GA-TU017SB38-15DUP	Acetone
	1410085-09 GA-TU017SB38-15DUP	Methylene Chloride

Qualification: The analyte concentration in the associated MB for this common lab contaminant was greater than or equal to the LOQ. The positive sample result, which was less than 10 times the MB value, is considered estimated.

000037

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Volatile Organic Compounds by EPA Method 8260C

Analysis:	USEPA-8260C	
Sample/Analyte:	1410025-01 GA-TU13SB12-15	Acetone
	1410025-02 GA-TU13SB12-34	Acetone
	1410025-03 GA-TU13SB13-20	Acetone
	1410025-04 GA-TU13SB13-34	Acetone
	1410025-05 GA-TU13SB14-15	Acetone
	1410025-06 GA-TU13SB14-34	Acetone
	1410025-07 GA-TU13SB14-34DUP	Acetone
	1410085-01 GA-TU17SB34-15	Acetone
	1410085-02 GA-TU17SB34-37	Acetone
	1410085-04 GA-TU17SB35-15	Acetone
	1410085-05 GA-TU17SB36-20	Acetone
	1410085-06 GA-TU17SB38-15	Acetone
	1410085-08 GA-TU017SB34-37DUP	Acetone
	1410085-09 GA-TU017SB38-15DUP	Acetone

Qualification: The analyte concentration in the MB for this common lab contaminant was greater than or equal to the LOQ. All associated samples had results less than the LOQ. No qualification is required.

Analysis:	USEPA-8260C	
Sample/Analyte:	1409479-14 GA-TU13SB07-08	Methylene Chloride
	1409479-15 GA-TU13SB07-33	Methylene Chloride
	1409479-16 GA-TU13SB03-33	Methylene Chloride
	1409479-17 GA-TU13SB05-12	Methylene Chloride
	1409479-18 GA-TU13SB05-33	Methylene Chloride
	1410025-01 GA-TU13SB12-15	Methylene Chloride
	1410025-02 GA-TU13SB12-34	Methylene Chloride
	1410025-03 GA-TU13SB13-20	Methylene Chloride
	1410025-04 GA-TU13SB13-34	Methylene Chloride
	1410025-05 GA-TU13SB14-15	Methylene Chloride
	1410025-06 GA-TU13SB14-34	Methylene Chloride
	1410025-07 GA-TU13SB14-34DUP	Methylene Chloride
	1410085-01 GA-TU17SB34-15	Methylene Chloride
	1410085-02 GA-TU17SB34-37	Methylene Chloride

000038

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Volatile Organic Compounds by EPA Method 8260C

Sample/Analyte:	1410085-04 GA-TU17SB35-15	Methylene Chloride
	1410085-05 GA-TU17SB36-20	Methylene Chloride
	1410085-06 GA-TU17SB38-15	Methylene Chloride
	1410085-08 GA-TU017SB34-37DUP	Methylene Chloride
	1410085-09 GA-TU017SB38-15DUP	Methylene Chloride

Qualification: The analyte concentration in the MB for this common lab contaminant was greater than 1/2 the LOQ, but less than or equal to the LOQ. All associated samples had results less than the LOQ. No corrective action is required.

Analysis: USEPA-8260C

Sample/Analyte:	1409499-02 GA-TU16SB30-08	Methylene Chloride
	1409499-04 GA-TU16SB32-17	Methylene Chloride
	1409499-05 GA-TU16SB33-10	Methylene Chloride
	1409499-08 GA-TU16SB29-15	Methylene Chloride
	1409499-09 GA-TU16SB29-15DUP	Methylene Chloride
	1409499-10 GA-TU16SB29-44	Methylene Chloride
	1409499-11 GA-TU16SB29-44DUP	Methylene Chloride
	1410014-01 GA-TU13SB8-15	Methylene Chloride
	1410014-02 GA-TU13SB8-34	Methylene Chloride
	1410014-03 GA-TU13SB9-20	Methylene Chloride
	1410014-04 GA-TU13SB9-34	Methylene Chloride
	1410014-05 GA-TU13SB10-15	Methylene Chloride
	1410014-06 GA-TU13SB10-34	Methylene Chloride
	1410014-07 GA-TU13SB11-20	Methylene Chloride
	1410014-08 GA-TU13SB11-34	Methylene Chloride
	1410085-01RE1 GA-TU17SB34-15	Methylene Chloride

Qualification: The analyte concentration in the MB for this common lab contaminant was greater than 1/2 the LOQ, but less than the LOQ. The positive sample result, which was less than 10 times the MB value, is considered estimated.

Analysis: USEPA-8260C

Sample/Analyte:	1409499-03 GA-TU16SB31-08	Methylene Chloride

000039

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Volatile Organic Compounds by EPA Method 8260C

Qualification: A non-detect result for this analyte has been confirmed by replicate analysis. The original analysis is being reported.

Analysis: USEPA-8260C

Sample/Analyte:	
1409479-07 FQC-TB092514JC-001	1,2,4-Trimethylbenzene
1409479-07 FQC-TB092514JC-001	Xylene, Meta + Para
1409479-09 GA-TU13GW02-01	Xylene, Meta + Para
1409479-10 GA-TU13GW05-01	Xylene, Meta + Para

Qualification: A replicate analysis was performed to verify the result for Naphthalene.

Analysis: USEPA-8260C

Sample/Analyte: 1410085-01RE1 GA-TU17SB34-15

Qualification: The MS and/or MSD recovery was outside the laboratory or method control limit.

Analysis: USEPA-8260C

Sample/Analyte:	
1409384-07 GA-TU15SB25-45	Toluene
1409422-07 GA-TU14SB15-35	Methylene Chloride
1409422-07 GA-TU14SB15-35	Toluene
1409422-07 GA-TU14SB15-35	Xylene, Meta + Para

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Qualification: The RPD between the MS and MSD results exceeded the control limit. The non-spiked sample concentration for the same analyte was less than 4 times the spiked amount; the non-spiked sample result is considered estimated.

Analysis: USEPA-8270D

Sample/Analyte:	
1409422-07RE1 GA-TU14SB15-35	2-Chlorophenol
1409422-07RE1 GA-TU14SB15-35	2-Methylphenol
1409422-07RE1 GA-TU14SB15-35	3+4-Methylphenol
1409422-07RE1 GA-TU14SB15-35	4-Chloro-3-methylphenol
1409422-07RE1 GA-TU14SB15-35	Benzoic Acid
1409422-07RE1 GA-TU14SB15-35	Benzyl Alcohol
1409422-07RE1 GA-TU14SB15-35	N-Nitroso-di-n-propylamine
1409422-07RE1 GA-TU14SB15-35	Phenol
1409499-08 GA-TU16SB29-15	3-Nitroaniline
1409499-08 GA-TU16SB29-15	4-Chloroaniline

Qualification: The MS and/or MSD recovery was less than 10%. The non-spiked sample concentration for the same analyte was less than 4 times the spiked amount. The non-spiked sample result is considered unusable.

Analysis: USEPA-8270D

Sample/Analyte:	
1409499-08 GA-TU16SB29-15	3,3´-Dichlorobenzidine

Qualification: The LCS recovery was outside of the control limit with no allowed marginal exceedences. The result for this analyte in any sample from the associated QC batch is considered qualified.

Analysis: USEPA-8270D

Sample/Analyte:	
1409422-01 GA-TU14SB16-12	3,3´-Dichlorobenzidine
1409422-01RE1 GA-TU14SB16-12	3,3´-Dichlorobenzidine
1409422-02 GA-TU14SB16-35	3,3´-Dichlorobenzidine
1409422-03 GA-TU14SB15-13	3,3´-Dichlorobenzidine
1409422-04 GA-TU14SB17-21	3,3´-Dichlorobenzidine
1409422-05 GA-TU14SB17-34	3,3´-Dichlorobenzidine
1409422-06 GA-TU14SB19-35	3,3´-Dichlorobenzidine
1409422-07 GA-TU14SB15-35	3,3´-Dichlorobenzidine

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1409422-08 GA-TU14SB15-35DUP	3,3´-Dichlorobenzidine
	1409422-10 GA-TU14SB18-35	3,3´-Dichlorobenzidine
	1409422-11 GA-TU14SB18-05	3,3´-Dichlorobenzidine
	1409422-12 GA-TU14GW15-01	2,4,5-Trichlorophenol
	1409422-12 GA-TU14GW15-01	2-Chloronaphthalene
	1409422-12 GA-TU14GW15-01	Bis(2-ethylhexyl) Phthalate
	1409422-12 GA-TU14GW15-01	Butyl Benzyl Phthalate
	1409422-12 GA-TU14GW15-01	Carbazole
	1409422-12 GA-TU14GW15-01	Chrysene
	1409422-12 GA-TU14GW15-01	Phenol
	1409444-02 GA-TU14GW20-01	2,4,5-Trichlorophenol
	1409444-02 GA-TU14GW20-01	2-Chloronaphthalene
	1409444-02 GA-TU14GW20-01	Bis(2-ethylhexyl) Phthalate
	1409444-02 GA-TU14GW20-01	Butyl Benzyl Phthalate
	1409444-02 GA-TU14GW20-01	Carbazole
	1409444-02 GA-TU14GW20-01	Chrysene
	1409444-02 GA-TU14GW20-01	Phenol
	1409444-03 GA-TU14SB23-25	3,3´-Dichlorobenzidine
	1409444-04 GA-TU14SB23-33	3,3´-Dichlorobenzidine
	1409444-05 GA-TU14SB24-07	3,3´-Dichlorobenzidine
	1409444-05RE1 GA-TU14SB24-07	3,3´-Dichlorobenzidine
	1409444-06 GA-TU14SB24-33	3,3´-Dichlorobenzidine
	1409444-07 GA-TU14SB21-5	3,3´-Dichlorobenzidine
	1409444-08 GA-TU14SB21-33	3,3´-Dichlorobenzidine
	1409444-09 GA-TU14SB22-26	3,3´-Dichlorobenzidine
	1409444-10 GA-TU14SB22-33	3,3´-Dichlorobenzidine
	1409444-11 GA-TU14SB20-5	3,3´-Dichlorobenzidine
	1409444-12 GA-TU14SB20-33	3,3´-Dichlorobenzidine
	1409479-01 GA-TU13SB01-08	3,3´-Dichlorobenzidine
	1409479-01RE1 GA-TU13SB01-08	3,3´-Dichlorobenzidine
	1409479-02 GA-TU13SB01-32	3,3´-Dichlorobenzidine
	1409479-02RE1 GA-TU13SB01-32	3,3´-Dichlorobenzidine
	1409479-03 GA-TU13SB02-14	3,3´-Dichlorobenzidine
	1409479-03RE1 GA-TU13SB02-14	3,3´-Dichlorobenzidine
	1409479-04 GA-TU13SB02-33	3,3´-Dichlorobenzidine

000042

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1409479-04RE1 GA-TU13SB02-33	3,3´-Dichlorobenzidine
	1409479-05 GA-TU13SB04-07	3,3´-Dichlorobenzidine
	1409479-05RE1 GA-TU13SB04-07	3,3´-Dichlorobenzidine
	1409479-05RE2 GA-TU13SB04-07	3,3´-Dichlorobenzidine
	1409479-05RE3 GA-TU13SB04-07	3,3´-Dichlorobenzidine
	1409479-06 GA-TU13SB04-33	3,3´-Dichlorobenzidine
	1409479-06RE1 GA-TU13SB04-33	3,3´-Dichlorobenzidine
	1409479-08 GA-TU13SB03-12	3,3´-Dichlorobenzidine
	1409479-09 GA-TU13GW02-01	2,4,5-Trichlorophenol
	1409479-09 GA-TU13GW02-01	2-Chloronaphthalene
	1409479-09 GA-TU13GW02-01	Bis(2-ethylhexyl) Phthalate
	1409479-09 GA-TU13GW02-01	Butyl Benzyl Phthalate
	1409479-09 GA-TU13GW02-01	Carbazole
	1409479-09 GA-TU13GW02-01	Chrysene
	1409479-09 GA-TU13GW02-01	Phenol
	1409479-10 GA-TU13GW05-01	2,4,5-Trichlorophenol
	1409479-10 GA-TU13GW05-01	2-Chloronaphthalene
	1409479-10 GA-TU13GW05-01	Bis(2-ethylhexyl) Phthalate
	1409479-10 GA-TU13GW05-01	Butyl Benzyl Phthalate
	1409479-10 GA-TU13GW05-01	Carbazole
	1409479-10 GA-TU13GW05-01	Chrysene
	1409479-10 GA-TU13GW05-01	Phenol
	1409479-11 GA-TU13GW03-01	2,4,5-Trichlorophenol
	1409479-11 GA-TU13GW03-01	2-Chloronaphthalene
	1409479-11 GA-TU13GW03-01	Bis(2-ethylhexyl) Phthalate
	1409479-11 GA-TU13GW03-01	Butyl Benzyl Phthalate
	1409479-11 GA-TU13GW03-01	Carbazole
	1409479-11 GA-TU13GW03-01	Chrysene
	1409479-11 GA-TU13GW03-01	Phenol
	1409479-12 GA-TU13SB06-14	3,3´-Dichlorobenzidine
	1409479-13 GA-TU13SB06-33	3,3´-Dichlorobenzidine
	1409479-14 GA-TU13SB07-08	3,3´-Dichlorobenzidine
	1409479-15 GA-TU13SB07-33	3,3´-Dichlorobenzidine
	1409479-16 GA-TU13SB03-33	3,3´-Dichlorobenzidine
	1409479-17 GA-TU13SB05-12	3,3´-Dichlorobenzidine

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1409479-17RE1 GA-TU13SB05-12	3,3´-Dichlorobenzidine
	1409479-18 GA-TU13SB05-33	3,3´-Dichlorobenzidine
	1409479-18RE1 GA-TU13SB05-33	3,3´-Dichlorobenzidine
	1409499-02 GA-TU16SB30-08	3,3´-Dichlorobenzidine
	1409499-02RE1 GA-TU16SB30-08	3,3´-Dichlorobenzidine
	1409499-03 GA-TU16SB31-08	3,3´-Dichlorobenzidine
	1409499-03RE1 GA-TU16SB31-08	3,3´-Dichlorobenzidine
	1409499-04 GA-TU16SB32-17	3,3´-Dichlorobenzidine
	1409499-04RE1 GA-TU16SB32-17	3,3´-Dichlorobenzidine
	1409499-05 GA-TU16SB33-10	3,3´-Dichlorobenzidine
	1409499-05RE1 GA-TU16SB33-10	3,3´-Dichlorobenzidine
	1409499-08 GA-TU16SB29-15	3,3´-Dichlorobenzidine
	1409499-09 GA-TU16SB29-15DUP	3,3´-Dichlorobenzidine
	1409499-10 GA-TU16SB29-44	3,3´-Dichlorobenzidine
	1409499-11 GA-TU16SB29-44DUP	3,3´-Dichlorobenzidine
	1409499-11RE1 GA-TU16SB29-44DUP	3,3´-Dichlorobenzidine
	1410014-01 GA-TU13SB8-15	3,3´-Dichlorobenzidine
	1410014-01RE1 GA-TU13SB8-15	3,3´-Dichlorobenzidine
	1410014-02 GA-TU13SB8-34	3,3´-Dichlorobenzidine
	1410014-03 GA-TU13SB9-20	3,3´-Dichlorobenzidine
	1410014-04 GA-TU13SB9-34	3,3´-Dichlorobenzidine
	1410014-05 GA-TU13SB10-15	3,3´-Dichlorobenzidine
	1410014-05RE1 GA-TU13SB10-15	3,3´-Dichlorobenzidine
	1410014-06 GA-TU13SB10-34	3,3´-Dichlorobenzidine
	1410014-06RE1 GA-TU13SB10-34	3,3´-Dichlorobenzidine
	1410014-07 GA-TU13SB11-20	3,3´-Dichlorobenzidine
	1410014-08 GA-TU13SB11-34	3,3´-Dichlorobenzidine
	1410014-08RE1 GA-TU13SB11-34	3,3´-Dichlorobenzidine
	1410014-08RE2 GA-TU13SB11-34	3,3´-Dichlorobenzidine
	1410014-08RE3 GA-TU13SB11-34	3,3´-Dichlorobenzidine
	1410025-01 GA-TU13SB12-15	3,3´-Dichlorobenzidine
	1410025-02 GA-TU13SB12-34	3,3´-Dichlorobenzidine
	1410025-02RE1 GA-TU13SB12-34	3,3´-Dichlorobenzidine
	1410025-03 GA-TU13SB13-20	3,3´-Dichlorobenzidine
	1410025-04 GA-TU13SB13-34	3,3´-Dichlorobenzidine

000044

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1410025-05 GA-TU13SB14-15	3,3´-Dichlorobenzidine
	1410025-05RE1 GA-TU13SB14-15	3,3´-Dichlorobenzidine
	1410025-06 GA-TU13SB14-34	3,3´-Dichlorobenzidine
	1410025-06RE1 GA-TU13SB14-34	3,3´-Dichlorobenzidine
	1410025-06RE2 GA-TU13SB14-34	
	1410025-06RE3 GA-TU13SB14-34	
	1410025-07 GA-TU13SB14-34DUP	3,3´-Dichlorobenzidine
	1410085-01 GA-TU17SB34-15	3,3´-Dichlorobenzidine
	1410085-01RE1 GA-TU17SB34-15	3,3´-Dichlorobenzidine
	1410085-02 GA-TU17SB34-37	3,3´-Dichlorobenzidine
	1410085-02RE1 GA-TU17SB34-37	3,3´-Dichlorobenzidine
	1410085-04 GA-TU17SB35-15	3,3´-Dichlorobenzidine
	1410085-04RE1 GA-TU17SB35-15	3,3´-Dichlorobenzidine
	1410085-05 GA-TU17SB36-20	3,3´-Dichlorobenzidine
	1410085-05RE1 GA-TU17SB36-20	3,3´-Dichlorobenzidine
	1410085-06 GA-TU17SB38-15	3,3´-Dichlorobenzidine
	1410085-06RE1 GA-TU17SB38-15	3,3´-Dichlorobenzidine
	1410085-08 GA-TU017SB34-37DUP	3,3´-Dichlorobenzidine
	1410085-09 GA-TU017SB38-15DUP	3,3´-Dichlorobenzidine

Qualification: The associated Internal Standard response was outside the control limit. The results for these analytes are considered estimated.

Analysis: USEPA-8270D

Sample/Analyte:	1409422-01 GA-TU14SB16-12	Benzo(a)pyrene
	1409422-01 GA-TU14SB16-12	Benzo(b)fluoranthene
	1409422-01 GA-TU14SB16-12	Benzo(g,h,i)perylene
	1409422-01 GA-TU14SB16-12	Benzo(k)fluoranthene
	1409422-01 GA-TU14SB16-12	Dibenz(a,h)anthracene
	1409422-01 GA-TU14SB16-12	Indeno(1,2,3-cd)pyrene
	1409444-05 GA-TU14SB24-07	Benzo(a)pyrene
	1409444-05 GA-TU14SB24-07	Benzo(b)fluoranthene
	1409444-05 GA-TU14SB24-07	Benzo(g,h,i)perylene
	1409444-05 GA-TU14SB24-07	Benzo(k)fluoranthene
	1409444-05 GA-TU14SB24-07	Dibenz(a,h)anthracene

000045
This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1409444-05 GA-TU14SB24-07	Indeno(1,2,3-cd)pyrene
	1409479-01 GA-TU13SB01-08	Benzo(a)pyrene
	1409479-01 GA-TU13SB01-08	Benzo(b)fluoranthene
	1409479-01 GA-TU13SB01-08	Benzo(g,h,i)perylene
	1409479-01 GA-TU13SB01-08	Benzo(k)fluoranthene
	1409479-01 GA-TU13SB01-08	Dibenz(a,h)anthracene
	1409479-01 GA-TU13SB01-08	Indeno(1,2,3-cd)pyrene
	1409479-02 GA-TU13SB01-32	Benzo(a)pyrene
	1409479-02 GA-TU13SB01-32	Benzo(b)fluoranthene
	1409479-02 GA-TU13SB01-32	Benzo(g,h,i)perylene
	1409479-02 GA-TU13SB01-32	Benzo(k)fluoranthene
	1409479-02 GA-TU13SB01-32	Dibenz(a,h)anthracene
	1409479-02 GA-TU13SB01-32	Indeno(1,2,3-cd)pyrene
	1409479-03 GA-TU13SB02-14	Benzo(a)pyrene
	1409479-03 GA-TU13SB02-14	Benzo(b)fluoranthene
	1409479-03 GA-TU13SB02-14	Benzo(g,h,i)perylene
	1409479-03 GA-TU13SB02-14	Benzo(k)fluoranthene
	1409479-03 GA-TU13SB02-14	Dibenz(a,h)anthracene
	1409479-03 GA-TU13SB02-14	Indeno(1,2,3-cd)pyrene
	1409479-05 GA-TU13SB04-07	3,3´-Dichlorobenzidine
	1409479-05 GA-TU13SB04-07	Benzo(a)anthracene
	1409479-05 GA-TU13SB04-07	Benzo(a)pyrene
	1409479-05 GA-TU13SB04-07	Benzo(b)fluoranthene
	1409479-05 GA-TU13SB04-07	Benzo(g,h,i)perylene
	1409479-05 GA-TU13SB04-07	Benzo(k)fluoranthene
	1409479-05 GA-TU13SB04-07	Bis(2-ethylhexyl) Phthalate
	1409479-05 GA-TU13SB04-07	Butyl Benzyl Phthalate
	1409479-05 GA-TU13SB04-07	Chrysene
	1409479-05 GA-TU13SB04-07	Dibenz(a,h)anthracene
	1409479-05 GA-TU13SB04-07	Di-n-octyl Phthalate
	1409479-05 GA-TU13SB04-07	Indeno(1,2,3-cd)pyrene
	1409479-05 GA-TU13SB04-07	Pyrene
	1409479-05RE2 GA-TU13SB04-07	3,3´-Dichlorobenzidine
	1409479-05RE2 GA-TU13SB04-07	Benzo(a)anthracene
	1409479-05RE2 GA-TU13SB04-07	Benzo(a)pyrene

000046

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1409479-05RE2 GA-TU13SB04-07	Benzo(b)fluoranthene
	1409479-05RE2 GA-TU13SB04-07	Benzo(g,h,i)perylene
	1409479-05RE2 GA-TU13SB04-07	Benzo(k)fluoranthene
	1409479-05RE2 GA-TU13SB04-07	Chrysene
	1409479-05RE2 GA-TU13SB04-07	Dibenz(a,h)anthracene
	1409479-05RE2 GA-TU13SB04-07	Indeno(1,2,3-cd)pyrene
	1409479-05RE2 GA-TU13SB04-07	Pyrene
	1409479-17 GA-TU13SB05-12	Benzo(a)pyrene
	1409479-17 GA-TU13SB05-12	Benzo(b)fluoranthene
	1409479-17 GA-TU13SB05-12	Benzo(g,h,i)perylene
	1409479-17 GA-TU13SB05-12	Benzo(k)fluoranthene
	1409479-17 GA-TU13SB05-12	Dibenz(a,h)anthracene
	1409479-17 GA-TU13SB05-12	Indeno(1,2,3-cd)pyrene
	1409499-02 GA-TU16SB30-08	Benzo(a)pyrene
	1409499-02 GA-TU16SB30-08	Benzo(b)fluoranthene
	1409499-02 GA-TU16SB30-08	Benzo(g,h,i)perylene
	1409499-02 GA-TU16SB30-08	Benzo(k)fluoranthene
	1409499-02 GA-TU16SB30-08	Dibenz(a,h)anthracene
	1409499-02 GA-TU16SB30-08	Indeno(1,2,3-cd)pyrene
	1409499-03 GA-TU16SB31-08	Benzo(a)pyrene
	1409499-03 GA-TU16SB31-08	Benzo(b)fluoranthene
	1409499-03 GA-TU16SB31-08	Benzo(g,h,i)perylene
	1409499-03 GA-TU16SB31-08	Benzo(k)fluoranthene
	1409499-03 GA-TU16SB31-08	Dibenz(a,h)anthracene
	1409499-03 GA-TU16SB31-08	Indeno(1,2,3-cd)pyrene
	1409499-04 GA-TU16SB32-17	Benzo(a)pyrene
	1409499-04 GA-TU16SB32-17	Benzo(b)fluoranthene
	1409499-04 GA-TU16SB32-17	Benzo(g,h,i)perylene
	1409499-04 GA-TU16SB32-17	Benzo(k)fluoranthene
	1409499-04 GA-TU16SB32-17	Dibenz(a,h)anthracene
	1409499-04 GA-TU16SB32-17	Indeno(1,2,3-cd)pyrene
	1409499-05 GA-TU16SB33-10	3,3´-Dichlorobenzidine
	1409499-05 GA-TU16SB33-10	Benzo(a)anthracene
	1409499-05 GA-TU16SB33-10	Benzo(a)pyrene
	1409499-05 GA-TU16SB33-10	Benzo(b)fluoranthene

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1409499-05 GA-TU16SB33-10	Benzo(g,h,i)perylene
	1409499-05 GA-TU16SB33-10	Benzo(k)fluoranthene
	1409499-05 GA-TU16SB33-10	Dibenz(a,h)anthracene
	1409499-05 GA-TU16SB33-10	Indeno(1,2,3-cd)pyrene
	1409499-05 GA-TU16SB33-10	Pyrene
	1409499-11 GA-TU16SB29-44DUP	Benzo(a)pyrene
	1409499-11 GA-TU16SB29-44DUP	Benzo(b)fluoranthene
	1409499-11 GA-TU16SB29-44DUP	Benzo(g,h,i)perylene
	1409499-11 GA-TU16SB29-44DUP	Benzo(k)fluoranthene
	1409499-11 GA-TU16SB29-44DUP	Dibenz(a,h)anthracene
	1409499-11 GA-TU16SB29-44DUP	Indeno(1,2,3-cd)pyrene
	1410014-01 GA-TU13SB8-15	3,3´-Dichlorobenzidine
	1410014-01 GA-TU13SB8-15	Benzo(a)anthracene
	1410014-01 GA-TU13SB8-15	Benzo(a)pyrene
	1410014-01 GA-TU13SB8-15	Benzo(b)fluoranthene
	1410014-01 GA-TU13SB8-15	Benzo(g,h,i)perylene
	1410014-01 GA-TU13SB8-15	Benzo(k)fluoranthene
	1410014-01 GA-TU13SB8-15	Bis(2-ethylhexyl) Phthalate
	1410014-01 GA-TU13SB8-15	Butyl Benzyl Phthalate
	1410014-01 GA-TU13SB8-15	Chrysene
	1410014-01 GA-TU13SB8-15	Dibenz(a,h)anthracene
	1410014-01 GA-TU13SB8-15	Di-n-octyl Phthalate
	1410014-01 GA-TU13SB8-15	Indeno(1,2,3-cd)pyrene
	1410014-01 GA-TU13SB8-15	Pyrene
	1410014-05 GA-TU13SB10-15	3,3´-Dichlorobenzidine
	1410014-05 GA-TU13SB10-15	Benzo(a)anthracene
	1410014-05 GA-TU13SB10-15	Benzo(a)pyrene
	1410014-05 GA-TU13SB10-15	Benzo(b)fluoranthene
	1410014-05 GA-TU13SB10-15	Benzo(g,h,i)perylene
	1410014-05 GA-TU13SB10-15	Benzo(k)fluoranthene
	1410014-05 GA-TU13SB10-15	Bis(2-ethylhexyl) Phthalate
	1410014-05 GA-TU13SB10-15	Butyl Benzyl Phthalate
	1410014-05 GA-TU13SB10-15	Chrysene
	1410014-05 GA-TU13SB10-15	Dibenz(a,h)anthracene
	1410014-05 GA-TU13SB10-15	Di-n-octyl Phthalate

000048
This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1410014-05 GA-TU13SB10-15	Indeno(1,2,3-cd)pyrene
	1410014-05 GA-TU13SB10-15	Pyrene
	1410014-06 GA-TU13SB10-34	Benzo(a)pyrene
	1410014-06 GA-TU13SB10-34	Benzo(b)fluoranthene
	1410014-06 GA-TU13SB10-34	Benzo(g,h,i)perylene
	1410014-06 GA-TU13SB10-34	Benzo(k)fluoranthene
	1410014-06 GA-TU13SB10-34	Dibenz(a,h)anthracene
	1410014-06 GA-TU13SB10-34	Indeno(1,2,3-cd)pyrene
	1410014-08 GA-TU13SB11-34	3,3´-Dichlorobenzidine
	1410014-08 GA-TU13SB11-34	Benzo(a)anthracene
	1410014-08 GA-TU13SB11-34	Benzo(a)pyrene
	1410014-08 GA-TU13SB11-34	Benzo(b)fluoranthene
	1410014-08 GA-TU13SB11-34	Benzo(g,h,i)perylene
	1410014-08 GA-TU13SB11-34	Benzo(k)fluoranthene
	1410014-08 GA-TU13SB11-34	Bis(2-ethylhexyl) Phthalate
	1410014-08 GA-TU13SB11-34	Butyl Benzyl Phthalate
	1410014-08 GA-TU13SB11-34	Chrysene
	1410014-08 GA-TU13SB11-34	Dibenz(a,h)anthracene
	1410014-08 GA-TU13SB11-34	Di-n-octyl Phthalate
	1410014-08 GA-TU13SB11-34	Indeno(1,2,3-cd)pyrene
	1410014-08 GA-TU13SB11-34	Pyrene
	1410014-08RE2 GA-TU13SB11-34	Benzo(a)pyrene
	1410014-08RE2 GA-TU13SB11-34	Benzo(b)fluoranthene
	1410014-08RE2 GA-TU13SB11-34	Benzo(g,h,i)perylene
	1410014-08RE2 GA-TU13SB11-34	Benzo(k)fluoranthene
	1410014-08RE2 GA-TU13SB11-34	Dibenz(a,h)anthracene
	1410014-08RE2 GA-TU13SB11-34	Indeno(1,2,3-cd)pyrene
	1410025-02 GA-TU13SB12-34	Benzo(a)pyrene
	1410025-02 GA-TU13SB12-34	Benzo(b)fluoranthene
	1410025-02 GA-TU13SB12-34	Benzo(g,h,i)perylene
	1410025-02 GA-TU13SB12-34	Benzo(k)fluoranthene
	1410025-02 GA-TU13SB12-34	Dibenz(a,h)anthracene
	1410025-02 GA-TU13SB12-34	Indeno(1,2,3-cd)pyrene
	1410025-05 GA-TU13SB14-15	Benzo(a)pyrene
	1410025-05 GA-TU13SB14-15	Benzo(b)fluoranthene

000049

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1410025-05 GA-TU13SB14-15	Benzo(g,h,i)perylene
	1410025-05 GA-TU13SB14-15	Benzo(k)fluoranthene
	1410025-05 GA-TU13SB14-15	Dibenz(a,h)anthracene
	1410025-05 GA-TU13SB14-15	Indeno(1,2,3-cd)pyrene
	1410025-06 GA-TU13SB14-34	Benzo(a)pyrene
	1410025-06 GA-TU13SB14-34	Benzo(b)fluoranthene
	1410025-06 GA-TU13SB14-34	Benzo(g,h,i)perylene
	1410025-06 GA-TU13SB14-34	Benzo(k)fluoranthene
	1410025-06 GA-TU13SB14-34	Dibenz(a,h)anthracene
	1410025-06 GA-TU13SB14-34	Indeno(1,2,3-cd)pyrene
	1410025-06RE2 GA-TU13SB14-34	Benzo(a)pyrene
	1410025-06RE2 GA-TU13SB14-34	Benzo(b)fluoranthene
	1410025-06RE2 GA-TU13SB14-34	Benzo(g,h,i)perylene
	1410025-06RE2 GA-TU13SB14-34	Benzo(k)fluoranthene
	1410025-06RE2 GA-TU13SB14-34	Dibenz(a,h)anthracene
	1410025-06RE2 GA-TU13SB14-34	Indeno(1,2,3-cd)pyrene
	1410085-01 GA-TU17SB34-15	Benzo(a)pyrene
	1410085-01 GA-TU17SB34-15	Benzo(b)fluoranthene
	1410085-01 GA-TU17SB34-15	Benzo(g,h,i)perylene
	1410085-01 GA-TU17SB34-15	Benzo(k)fluoranthene
	1410085-01 GA-TU17SB34-15	Dibenz(a,h)anthracene
	1410085-01 GA-TU17SB34-15	Indeno(1,2,3-cd)pyrene
	1410085-04 GA-TU17SB35-15	Benzo(a)pyrene
	1410085-04 GA-TU17SB35-15	Benzo(b)fluoranthene
	1410085-04 GA-TU17SB35-15	Benzo(g,h,i)perylene
	1410085-04 GA-TU17SB35-15	Benzo(k)fluoranthene
	1410085-04 GA-TU17SB35-15	Dibenz(a,h)anthracene
	1410085-04 GA-TU17SB35-15	Indeno(1,2,3-cd)pyrene
	1410085-05 GA-TU17SB36-20	Benzo(a)pyrene
	1410085-05 GA-TU17SB36-20	Benzo(b)fluoranthene
	1410085-05 GA-TU17SB36-20	Benzo(g,h,i)perylene
	1410085-05 GA-TU17SB36-20	Benzo(k)fluoranthene
	1410085-05 GA-TU17SB36-20	Dibenz(a,h)anthracene
	1410085-05 GA-TU17SB36-20	Indeno(1,2,3-cd)pyrene
	1410085-06 GA-TU17SB38-15	Benzo(a)pyrene

000050
This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1410085-06 GA-TU17SB38-15	Benzo(b)fluoranthene
	1410085-06 GA-TU17SB38-15	Benzo(g,h,i)perylene
	1410085-06 GA-TU17SB38-15	Benzo(k)fluoranthene
	1410085-06 GA-TU17SB38-15	Dibenz(a,h)anthracene
	1410085-06 GA-TU17SB38-15	Indeno(1,2,3-cd)pyrene

Qualification: The analyte concentration in the associated MB was greater than or equal to 1/2 the LOQ. The positive sample result, which was less than 10 times the MB value, is considered estimated.

Analysis: USEPA-8270D

Sample/Analyte:	1409422-02 GA-TU14SB16-35	Bis(2-ethylhexyl) Phthalate
	1409422-03 GA-TU14SB15-13	Bis(2-ethylhexyl) Phthalate
	1409422-05 GA-TU14SB17-34	Bis(2-ethylhexyl) Phthalate
	1409422-06 GA-TU14SB19-35	Bis(2-ethylhexyl) Phthalate
	1409422-07 GA-TU14SB15-35	Bis(2-ethylhexyl) Phthalate
	1409422-07RE1 GA-TU14SB15-35	Bis(2-ethylhexyl) Phthalate
	1409422-08 GA-TU14SB15-35DUP	Bis(2-ethylhexyl) Phthalate
	1409422-10 GA-TU14SB18-35	Bis(2-ethylhexyl) Phthalate
	1409444-03 GA-TU14SB23-25	Bis(2-ethylhexyl) Phthalate
	1409444-04 GA-TU14SB23-33	Bis(2-ethylhexyl) Phthalate
	1409444-06 GA-TU14SB24-33	Bis(2-ethylhexyl) Phthalate
	1409444-07 GA-TU14SB21-5	Bis(2-ethylhexyl) Phthalate
	1409444-08 GA-TU14SB21-33	Bis(2-ethylhexyl) Phthalate
	1409444-09 GA-TU14SB22-26	Bis(2-ethylhexyl) Phthalate
	1409444-11 GA-TU14SB20-5	Bis(2-ethylhexyl) Phthalate
	1409444-12 GA-TU14SB20-33	Bis(2-ethylhexyl) Phthalate
	1409479-03 GA-TU13SB02-14	Bis(2-ethylhexyl) Phthalate
	1409479-04 GA-TU13SB02-33	Bis(2-ethylhexyl) Phthalate
	1409479-04RE1 GA-TU13SB02-33	Bis(2-ethylhexyl) Phthalate
	1409479-06 GA-TU13SB04-33	Bis(2-ethylhexyl) Phthalate
	1409479-06RE1 GA-TU13SB04-33	Bis(2-ethylhexyl) Phthalate
	1409479-08 GA-TU13SB03-12	Bis(2-ethylhexyl) Phthalate
	1409479-10 GA-TU13GW05-01	Bis(2-ethylhexyl) Phthalate
	1409479-11 GA-TU13GW03-01	Bis(2-ethylhexyl) Phthalate

000051

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1409479-13 GA-TU13SB06-33	Bis(2-ethylhexyl) Phthalate
	1409479-14 GA-TU13SB07-08	Bis(2-ethylhexyl) Phthalate
	1409479-15 GA-TU13SB07-33	Bis(2-ethylhexyl) Phthalate
	1409479-16 GA-TU13SB03-33	Bis(2-ethylhexyl) Phthalate
	1409479-17 GA-TU13SB05-12	Bis(2-ethylhexyl) Phthalate
	1409479-18 GA-TU13SB05-33	Bis(2-ethylhexyl) Phthalate
	1409479-18RE1 GA-TU13SB05-33	Bis(2-ethylhexyl) Phthalate
	1409499-02 GA-TU16SB30-08	Bis(2-ethylhexyl) Phthalate
	1409499-02RE1 GA-TU16SB30-08	Bis(2-ethylhexyl) Phthalate
	1409499-05RE1 GA-TU16SB33-10	Bis(2-ethylhexyl) Phthalate
	1409499-08 GA-TU16SB29-15	Bis(2-ethylhexyl) Phthalate
	1409499-09 GA-TU16SB29-15DUP	Bis(2-ethylhexyl) Phthalate
	1409499-10 GA-TU16SB29-44	Bis(2-ethylhexyl) Phthalate
	1409499-11 GA-TU16SB29-44DUP	Bis(2-ethylhexyl) Phthalate
	1409499-11RE1 GA-TU16SB29-44DUP	Bis(2-ethylhexyl) Phthalate
	1410025-01 GA-TU13SB12-15	Di-n-octyl Phthalate
	1410025-02 GA-TU13SB12-34	Di-n-octyl Phthalate
	1410025-02RE1 GA-TU13SB12-34	Di-n-octyl Phthalate
	1410025-03 GA-TU13SB13-20	Di-n-octyl Phthalate
	1410025-04 GA-TU13SB13-34	Di-n-octyl Phthalate
	1410025-05 GA-TU13SB14-15	Di-n-octyl Phthalate
	1410025-05RE1 GA-TU13SB14-15	Di-n-octyl Phthalate
	1410025-06 GA-TU13SB14-34	Di-n-octyl Phthalate
	1410025-06RE1 GA-TU13SB14-34	Di-n-octyl Phthalate
	1410025-06RE2 GA-TU13SB14-34	Di-n-octyl Phthalate
	1410025-06RE3 GA-TU13SB14-34	Di-n-octyl Phthalate
	1410025-07 GA-TU13SB14-34DUP	Di-n-octyl Phthalate
	1410085-01 GA-TU17SB34-15	Di-n-octyl Phthalate
	1410085-01RE1 GA-TU17SB34-15	Di-n-octyl Phthalate
	1410085-02 GA-TU17SB34-37	Di-n-octyl Phthalate
	1410085-02RE1 GA-TU17SB34-37	Di-n-octyl Phthalate
	1410085-03 GA-TU17GW34-01	Benzoic Acid
	1410085-04 GA-TU17SB35-15	Di-n-octyl Phthalate
	1410085-04RE1 GA-TU17SB35-15	Di-n-octyl Phthalate
	1410085-05 GA-TU17SB36-20	Di-n-octyl Phthalate

000052

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1410085-05RE1 GA-TU17SB36-20	Di-n-octyl Phthalate
	1410085-06 GA-TU17SB38-15	Di-n-octyl Phthalate
	1410085-06RE1 GA-TU17SB38-15	Di-n-octyl Phthalate
	1410085-08 GA-TU017SB34-37DUP	Di-n-octyl Phthalate
	1410085-09 GA-TU017SB38-15DUP	Di-n-octyl Phthalate

Qualification: The analyte concentration in the associated MB for this common lab contaminant was greater than or equal to the LOQ. The positive sample result, which was less than 10 times the MB value, is considered estimated.

Analysis: USEPA-8270D

Sample/Analyte:	1410014-08RE2 GA-TU13SB11-34	Di-n-octyl Phthalate
	1410014-08RE3 GA-TU13SB11-34	Di-n-octyl Phthalate

Qualification: The analyte concentration in the MB for this common lab contaminant was greater than 1/2 the LOQ, but less than the LOQ. The positive sample result, which was less than 10 times the MB value, is considered estimated.

Analysis: USEPA-8270D

Sample/Analyte:	1410014-01 GA-TU13SB8-15	Bis(2-ethylhexyl) Phthalate
	1410014-01RE1 GA-TU13SB8-15	Bis(2-ethylhexyl) Phthalate
	1410014-02 GA-TU13SB8-34	Bis(2-ethylhexyl) Phthalate
	1410014-03 GA-TU13SB9-20	Bis(2-ethylhexyl) Phthalate
	1410014-04 GA-TU13SB9-34	Bis(2-ethylhexyl) Phthalate
	1410014-05RE1 GA-TU13SB10-15	Bis(2-ethylhexyl) Phthalate
	1410014-07 GA-TU13SB11-20	Bis(2-ethylhexyl) Phthalate

Qualification: Concentration exceeds calibration range

Analysis: USEPA-8270D

Sample/Analyte:	1409479-01 GA-TU13SB01-08	Bis(2-ethylhexyl) Phthalate
	1409479-05 GA-TU13SB04-07	Bis(2-ethylhexyl) Phthalate
	1409479-05RE2 GA-TU13SB04-07	Bis(2-ethylhexyl) Phthalate
	1409499-06 GA-TU16GW29-01	Bis(2-ethylhexyl) Phthalate
	1410014-08 GA-TU13SB11-34	Bis(2-ethylhexyl) Phthalate
	1410014-08 GA-TU13SB11-34	Butyl Benzyl Phthalate

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Sample/Analyte:	1410014-08RE2 GA-TU13SB11-34	Bis(2-ethylhexyl) Phthalate
	1410014-08RE2 GA-TU13SB11-34	Butyl Benzyl Phthalate
	1410085-01 GA-TU17SB34-15	Acenaphthene
	1410085-01 GA-TU17SB34-15	Anthracene
	1410085-01 GA-TU17SB34-15	Benzo(a)anthracene
	1410085-01 GA-TU17SB34-15	Benzo(a)pyrene
	1410085-01 GA-TU17SB34-15	Benzo(b)fluoranthene
	1410085-01 GA-TU17SB34-15	Benzo(k)fluoranthene
	1410085-01 GA-TU17SB34-15	Chrysene
	1410085-01 GA-TU17SB34-15	Fluoranthene
	1410085-01 GA-TU17SB34-15	Phenanthrene
	1410085-01 GA-TU17SB34-15	Pyrene
	1410085-02 GA-TU17SB34-37	Bis(2-ethylhexyl) Phthalate

Qualification: The EPA hold time for sample pretreatment was exceeded.

Analysis: USEPA-8270D

Sample/Analyte: 1410014-08RE2 GA-TU13SB11-34
1410014-08RE3 GA-TU13SB11-34
1410025-06RE2 GA-TU13SB14-34
1410025-06RE3 GA-TU13SB14-34

Qualification: One or more surrogate recoveries in the acid and/or base-neutral fraction(s) for the sample were less than the lower control limit but greater than or equal to 10%. All results and reporting limits from the same fraction are considered estimated.

Analysis: USEPA-8270D

Sample/Analyte: 1409422-07 GA-TU14SB15-35
1409479-04 GA-TU13SB02-33
1409479-06 GA-TU13SB04-33
1409479-18 GA-TU13SB05-33

Qualification: One or more surrogate recoveries in the acid and/or base-neutral fraction(s) were less than 10%. Positive results from the same fraction are considered estimated; non-detect results are unusable.

000054
This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Semivolatile Organic Compounds by EPA Method 8270D

Analysis: USEPA-8270D

Sample/Analyte: 1409479-05 GA-TU13SB04-07
1409479-05RE2 GA-TU13SB04-07
1410014-08 GA-TU13SB11-34
1410014-08RE2 GA-TU13SB11-34
1410025-06 GA-TU13SB14-34
1410025-06RE1 GA-TU13SB14-34

000055

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SECTION - A

FIELD COC RECORDS
AND
RECEIVING DOCUMENTATION

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TM1994

Chain of Custody ~~13258~~ 9/23/14

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

524 Red, 664 White 240 Blue Cart 9

Laboratory	Project Name	Analysis	Chain of Custody
TriMatrix Laboratories, Inc.	Air National Guard - BLT MAES 0001 NE PA/SI 60308608		7080 Batch Mar13
Address: 5560 Corporate Exchange Court	Point of Contact / Phone No.: Devon Chicoine (703) 706-0544		13-7
City: Grand Rapids / State: Michigan / Zip Code: 49512	Site Contact / Phone No.: Jim Christopher (315) 720-4584		#1409384 Comment

ERPIMS Information / Other Sample Information

LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	SVOCs (8270C)	Dissolved Metals (6010C/6020A/7470B)	Total Metals (6010C/6020A/7470B)	Metals (6010C/6020A/7471A) SOIL	% Solids	TEST GROUP	Comment
FIELD QC	—	—	TB	1	FQC-TB092214JC-001	9/22/14	930	WQ	2	1	2						4	-01
TU15SB27	21.0	22.0	N	1	GA-TU15SB27-22	9/22/14	1030	SO	4 ~~3~~	1	3					1	8	-02
TU15SB27	44.5	45.0	N	1	GA-TU15SB27-45	9/22/14	1120	SO	4 ~~3~~	1	3					1	8	-03
TU15SB27	—	—	N	1	GA-TU15GW27-01	9/22/14	1125	WG	3	1	3						11	-04
TU15SB28	14.0	15.0	N	1	GA-TU15SB28-15	9/22/14	1315	SO	4	1	3					1	8	-05
TU15SB25	26.5	27.0	N	1	GA-TU15SB25-27	9/22/14	1420	SO	4	1	3					1	8	-06
TU15SB25	44.5	45.0	N	1	GA-TU15SB25-45	9/22/14	1425	~~WG~~	4	1	3					1	8	-07 Matrix Code "SO" se
TU15SB25	—	—	N	1	GA-TU15GW25-01	9/22/14	1455	WG	3	1	3						11	-08
TU15SB26	9.0	10.0	N	1	GA-TU15SB26-10	9/22/14	1510	SO	4	1	3					1	8	-09

1. Relinquished By / Company: J. Christopher AECOM	Date 9/22/14	Time 1630	1. Received By / Company: Fed Ex - Colverton, NY
2. Relinquished By / Company	Date	Time	2. Received By / Company
4. Relinquished By / Company	Date	Time	4. Received By / Company: Trinitrus
5. Relinquished By / Company	Date	Time	5. Received By / Company

1. Received By / Company: Fed Ex - Colverton, NY	Date 9/22/14	Time 1650	
2. Received By / Company	Date	Time	
4. Received By / Company: Trinitrus	Date 9/23/14	Time 0825	
5. Received By / Company	Date	Time	

Comments: GABRESKI ANGB

Shipment Method/Airbill No.: 8060 6572 7816

000057

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy



ORIGIN ID:WSHA (703) 706-9407
AECOM GCP

675 N WASHINGTON ST

ALEXANDRIA, VA 223141934
UNITED STATES US

SHIP DATE: 22SEP14
ACTWGT: 33.3 LB
CAD: /POS1501
DIMS: 24x13x14 IN

BILL SENDER

TO

TRIMATRIX CORPORATE EXCHANGE
5560 CORPORATE EXCHANGE CT SE

GRAND RAPIDS MI 49512

(818) 975-4500 REF:
INV:
PO: DEPT:

FedEx Express

J14221409090126

TUE - 23 SEP 10:30A
PRIORITY OVERNIGHT

TRK# 0215 8060 6572 7816

NA GRRA

49512
MI-US GRR

000058

TRIMATRIX LABORATORIES — SAMPLE PRESERVATION VERIFICATION FORM

Client	Work Order #
Aecom	1409384
Receipt Log #	**Completed By (initials/date)**	**Project Chemist**
13-7	4/23/14	WOR

COC ID #	Adjusted by: / Date:	DO NOT ADJUST pH FOR THESE CONTAINER TYPES
7080		

Container Type	5 / 23	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2	<2	6-8	<2	<2	
COC Line #1								
COC Line #2								
COC Line #3								
COC Line #4				✓				
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8				✓				
COC Line #9								
COC Line #10								

Comments

pH Strip Reagent #

☑ 4051306

☐

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.

COC ID #	Adjusted by: / Date:	DO NOT ADJUST pH FOR THESE CONTAINER TYPES

Container Type	5 / 23	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2		6-8	<2	<2	
COC Line #1								
COC Line #2								
COC Line #3								
COC Line #4								
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8								
COC Line #9								
COC Line #10								

Comments

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: Aecom
Work Order #: 1409384
New / Add To
Receipt Record Page/Line #: 13-7
Project Chemist: MR
Sample #s:

Recorded by (initials/date): JM 9/23/14

☑ Cooler ☐ Box ☐ Other
Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____)
☐ See Additional Cooler Information Form

Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is:
TM 1994	0941	☑ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☑ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / (Top) / Middle / (Bottom)	☑ Yes ☐ No	☑ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	1.5	-	1.5
Sample 1:	1.7	-	1.7
Sample 2:	2.9	-	2.9
Sample 3:	3.8	-	3.8

3 Sample Average °C: 2.8

☑ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is:
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C:

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is:
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C:

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is:
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C:

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☑	☐	Chain of Custody record(s)? If No, Initiated By _____
☑		Received for Lab Signed/Date/Time?
☑	☐	Shipping document?
☐	☑	Other _____

COC Information

☐ TriMatrix COC ☑ Other Aecom 7080

COC ID Numbers:

Check COC for Accuracy

Yes	No	
☑	☐	Analysis Requested?
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate or non-TriMatrix containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☐	☑	Temperature Blank OR average sample temperature, ≥6° C?
☑	☐	☐	If either is ≥6° C, was thermal preservation required?
☑	☐		If "Yes", Project Chemist Approval Initials: _____
☑	☐		If "Yes" Completed Non Con Cooler - Cont Inventory Form?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐		Samples chemically preserved correctly?
☑	☐		If "No", added orange tag?
	☑	☐	Received pre-preserved VOC soils?

☑ MeOH ☑ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1 L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
9/23/14 0825	9/23/14 1007	Yes (No)

000060

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Report To:
AECOM - Alexandria, VA
Ms. Devon Chicoine
675 N. Washington St., Suite 300
Alexandria, VA 22314
Phone: 703-706-0544
Fax: (703) 549-9134

Invoice To:
AECOM
Attn: Accounts Payable
P.O. Box 5604
Glen Allen, VA 23058-5604
Phone: ---
Fax: ---

Package Due Date:	**Oct-20-14 23:00**			
W.O. Due Date:	**Oct-16-14 23:00 (17 day TAT)**		Report Level:	**4DOD**
Date Received:	Sep-23-14 08:25	2.8°C	Received By:	Linda M. Romeyn
Date Logged In:	Sep-23-14 18:01		Logged In By:	Donna M. Nardin
W.O. Comments:	*4DOD, QSM v4.2, no client MS/MSD this WO, additional samples expected with multiple MS/MSDs and SDG 50094-12 is OPEN.* *#524-R / #664-W / #240-B*			

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409384-01 EQC-TB092214JC-001 [Water] *Sampled Sep-22-14 09:30 Eastern by TriMatrix*				TB (second vial is back-up)
8260C DoD VOAs plus custom	Oct-07-14 17:00	10	Oct-06-14 09:30	
1409384-02 GA-TU15SB27-22 [Soil] *Sampled Sep-22-14 10:30 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-07-14 17:00	10	Oct-06-14 10:30	
8260C DoD VOAs plus custom (High)	Oct-07-14 17:00	10	Oct-06-14 10:30	
Solids, Total 3550B (%)	Oct-07-14 17:00	10	Oct-06-14 10:30	
1409384-03 GA-TU15SB27-45 [Soil] *Sampled Sep-22-14 11:20 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-07-14 17:00	10	Oct-06-14 11:20	
8260C DoD VOAs plus custom (High)	Oct-07-14 17:00	10	Oct-06-14 11:20	
Solids, Total 3550B (%)	Oct-07-14 17:00	10	Oct-06-14 11:20	
1409384-04 GA-TU15GW27-01 [Water] *Sampled Sep-22-14 11:25 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-07-14 17:00	10	Oct-06-14 11:25	
1409384-05 GA-TU15SB28-15 [Soil] *Sampled Sep-22-14 13:15 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-07-14 17:00	10	Oct-06-14 13:15	
8260C DoD VOAs plus custom (High)	Oct-07-14 17:00	10	Oct-06-14 13:15	
Solids, Total 3550B (%)	Oct-07-14 17:00	10	Oct-06-14 13:15	
1409384-06 GA-TU15SB25-27 [Soil] *Sampled Sep-22-14 14:20 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-07-14 17:00	10	Oct-06-14 14:20	
8260C DoD VOAs plus custom (High)	Oct-07-14 17:00	10	Oct-06-14 14:20	

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409384-06 GA-TU15SB25-27 [Soil]				
Sampled Sep-22-14 14:20 Eastern by AECOM				
Solids, Total 3550B (%)	Oct-07-14 17:00	10	Oct-06-14 14:20	
1409384-07 GA-TU15SB25-45 [Soil]				
Sampled Sep-22-14 14:25 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-07-14 17:00	10	Oct-06-14 14:25	
8260C DoD VOAs plus custom (High)	Oct-07-14 17:00	10	Oct-06-14 14:25	
Solids, Total 3550B (%)	Oct-07-14 17:00	10	Oct-06-14 14:25	
1409384-08 GA-TU15GW25-01 [Water]				
Sampled Sep-22-14 14:55 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-07-14 17:00	10	Oct-06-14 14:55	
1409384-09 GA-TU15SB26-10 [Soil]				
Sampled Sep-22-14 15:10 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-07-14 17:00	10	Oct-06-14 15:10	
8260C DoD VOAs plus custom (High)	Oct-07-14 17:00	10	Oct-06-14 15:10	
Solids, Total 3550B (%)	Oct-07-14 17:00	10	Oct-06-14 15:10	

TM29165

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

WO# 14094??

15-9

Laboratory	Project Name / No.	Analysis	Chain of Custody
TriMatrix Laboratories, Inc.	Air National Guard - BLT MAES 0001 NE PA/SI 60308608		7081 Batch Mar13
Address: 5560 Corporate Exchange Court	Point of Contact / Phone No.: Devon Chicoine (703) 706-0544		205 Green (WTR) Cart 6 97,231 White 679 White
City: Grand Rapids / State: Michigan / Zip Code: 49512	Site Contact / Phone No.: S. Christopher 315-720-4584		Comment

ERPIMS Information / Other Sample Information

	LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	SVOCs (8270C) SIMS (8270D)	Dissolved Metals (6010C/6020A/7470B)	Total Metals (6010C/6020A/7470B)	Metals (6010C/6020A/7471A) SOIL	% Solids	TEST 6720					
01	TU14SB16	10.5	11.5		1	GA-TU14SB16-12	9/23/14	1100	SO	5	1	3	1				1						
02	TU14SB16	34.0	35.0		1	GA-TU14SB16-35	9/23/14	1120	SO	5	1	3	1				1						
03	TU14SB15	12.0	13.0		1	GA-TU14SB15-13	9/23/14	910	SO	5	1	3	1				1						
04	TU14SB17	20.0	21.0		1	GA-TU14SB17-21	9/23/14	1240	SO	5	1	3	1				1						
05	TU14SB17	33.0	34.0		1	GA-TU14SB17-34	9/23/14	1300	SO	5	1	3	1				1						
06	TU14SB19	34.0	35.0		1	GA-TU14SB19-35	9/23/14	1455	SO	5	1	3	1				1						

	Relinquished By / Company	Date	Time	Received By / Company	Date	Time
1.	S. Christopher / AECOM	9/23/14	1700	Fed Ex	9/23/14	1700
2.		Date	Time		Date	Time
4.		Date	Time	Lyle Romeo / Trimatrix	9/24/14	0825
5.		Date	Time		Date	Time

Comments

Shipment Method/Airbill No. 8060 6572 7827

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

000063

TM 1202

2

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

WO# 140942 2

15-9

PAGE 1 OF 1

Laboratory	Project Name	60308608
TriMatrix Laboratories, Inc.	Air National Guard - BLT MAES 0001 NE PA/SI	
Address	**Point of Contact / Phone No.**	
5560 Corporate Exchange Court	Devon Chicoine (703) 706-0544	
City / **State** / **Zip Code**	**Site Contact / Phone No.**	
Grand Rapids / Michigan / 49512	J. Christopher 315 720 4584	

	ERPIMS Information					Other Sample Information						Analysis											Chain of Custody
	LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	~~SVOCs (8270C)~~ SVOCs (8270D)	Dissolved Metals (6010C/6020A/7470B)	Total Metals (6010C/6020A/7470B)	Metals (6010C/6020A/7471A) SOIL	4, Solids		TEST GROUP				7082 Batch Mar13
07	TU14SB15	34.0	35.0	N	1	GA-TU14SB15-35	9/23/14	1000	SO	5	2	3	1				1		6				
08	TU14SB15	34.0	35.0	N	1	GA-TU14SB15-35DUP	9/23/14	1000	SO	5	2	3	1				1		8				09
—	TU14SB15	34.0	35.0	N	1	GA-TU14SB15-35MS	9/23/14	1000	SO	4	2	3	1						1				
—	TU14SB15	34.0	35.0	N	1	GA-TU14SB15-35MSD	9/23/14	1000	SO	4	2	3	1						1				
09	TU14SB19	15.0	16.0	N	1	GA-TU14SB19-16	9/23/14	1435	SO	5	2	3	1				1		8				
10	TU14SB18	34.0	35.0	N	1	GA-TU14SB18-35	9/23/14	1405	SO	5	2	3	1				1		8				

1. Relinquished By / Company: J. Christopher AECOM	Date: 9/23/14	Time: 1700	1. Received By / Company: Fed Ex	Date: 9/23/14 Time: 1700
2. Relinquished By / Company	Date	Time	2. Received By / Company	Date Time
4. Relinquished By / Company	Date	Time	4. Received By / Company	Date Time
5. Relinquished By / Company	Date	Time	5. Received By / Company	Date Time

Comments

Shipment Method/Airbill No. 8060 6576 7827

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

000064

TM 2848

3

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

WO# 1409422

15-9 PAGE 1 OF 1

Laboratory	Project Name / No.	Analysis	Chain of Custody
TriMatrix Laboratories, Inc.	Air National Guard - BLT MAES 0001 NE PA/SI 60308608		7083 Batch Mar13
Address: 5560 Corporate Exchange Court	Point of Contact / Phone No.: Devon Chicoine (703) 706-0544		
City: Grand Rapids / State: Michigan / Zip Code: 49512	Site Contact / Phone No.: J. Christopher 315 720 4584		

ERPIMS Information / Other Sample Information

	LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	SVOCs (8270D) SIMS (8270D)	Dissolved Metals (6010C/6020A/7470B)	Total Metals (6010C/6020A/7470B)	Metals (6010C/6020A/7471A) SOIL	% Solids	TEST GROUP	Comment
11	TU14SB18	4.0	5.0	N	1	GA-TU14SB18-05	9/23/14	1330	SO	5	3	3	1				1	08	
12	TU14SB15	–	–	N	1	GA-TU14GW15-01	9/23/14	1030	WG	5	3	3	2					11	
13	Field QC	–	–	TB	1	FQC-TB 092314SC01	9/23/14	1200	WQ	2	3	2						04	

	Relinquished By / Company	Date	Time	Received By / Company	Date	Time
1.	J Christopher AECOM	9/23/14	1700	1. Fed Ex	9/23/14	1700
2.		Date	Time	2.	Date	Time
4.		Date	Time	4. Lyn Bonesso Trimatrix	9/24/14	0825
5.		Date	Time	5.	Date	Time

Comments

Shipment Method/Airbill No. 8060 6572 7827

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

5900000

Align FedEx Pouch Here

fedex.com 1.800.GoFedEx 1.800.463.3339

00100

00152

FedEx Express Package US Airbill

FedEx Tracking Number 8060 6572 7827

1 From

Date 9/23/2014

Sender's Name J. Christopher Phone 703 549-8728

Company AECOM GCP

Address 675 N WASHINGTON ST Dept./Floor/Suite/Room

City ALEXANDRIA State VA ZIP 22314-1934

2 Your Internal Billing Reference 60308608

3 To

Recipient's Name SAMPLE RECEIVING Phone 616 846-9528

Company TRIMATRIX LABORATORIES

Address 5560 CORPORATE EXCHANGE COURT Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City GRAND RAPIDS State MI ZIP 49512

0114712282

8060 6572 7827

4 Express Pa

NOTE: Service on

Next Business

FedEx First Ov Earliest next busines locations. Friday shi Monday unless SAT

FedEx Priority Next business morn delivered on Monda is selected.

FedEx Standa Next business after Saturday Delivery N

5 Packaging

FedEx Envelo

6 Special Ha

SATURDAY D NOT available for

No Signature Package may be h obtaining a signat

Does this shipm

One box must be checked.

No Yes As per attached Shipper's Declar Yes Shipper's Declaration Dry Ice

Dangerous goods (including dry ice) ca or placed in a FedEx Express Drop Box.

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

7 Payment Bill to:

Sender Acct. No. in Section 1 will be billed.

Total Packages Total W

3

Our liability is limited to US$100 unless y

Rev. Date 2/12 • Part #163134 • ©1994

ORIGIN ID:WSHA (703) 706-9407
AECOM GCP

675 N WASHINGTON ST

ALEXANDRIA, VA 223141934
UNITED STATES US

SHIP DATE: 23SEP14
ACTWGT: 36.0 LB
CAD: /POS1501
DIMS: 24x14x13 IN

BILL SENDER

TO SAMPLE RECEIVING
TRIMATRIX LABS
5560 CORPORATE EXCHANGE COURT

GRAND RAPIDS MI 49512
(616) 846-9528 REF:
INV:
PO: DEPT:

FedEx Express

J14221409080126

1 of 3

TRK# 0215 8060 6572 7827

MASTER

NA GRRA

WED - 24 SEP 10:30A
PRIORITY OVERNIGHT

49512
MI-US GRR

339

FedEx

MASTER TRK#:

Pkg Trk#'s:
780143611083

Pcs: 3 1 of 1

Emp#: 581237 Rt#: STA

09.24 7827 A 238 1 FZ

000000

ORIGIN ID:WSHA (703) 706-9407
AECOM
GCP
675 N WASHINGTON ST
ALEXANDRIA, VA 223141934
UNITED STATES US

SHIP DATE: 23SEP14
ACTWGT: 34.0 LB
CAD: /POS1501
DIMS: 24x14x13 IN
BILL SENDER

TO SAMPLE RECEIVING
TRIMATRIX LABS
5560 CORPORATE EXCHANGE COURT

GRAND RAPIDS MI 49512
(616) 846-9628
INV:
PO:
REF:
DEPT:

FedEx Express

2 of 3
MPS# 0681 7801 4361 1072
Mstr# 8060 6572 7827
0215
WED - 24 SEP 10:30A
PRIORITY OVERNIGHT

NA GRRA

49512
MI-US GRR

3 of 3
7801 4361 1083
8060 6572 7827
0215
WED - 24 SEP 10:30A
PRIORITY OVERNIGHT

NA GRRA

49512
MI-US GRR

000067

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: Aecom
Work Order #: New / Add To: 1409422
Receipt Record Page/Line #: 15-9
Project Chemist: LR
Sample #s:

Recorded by (initials/date): LR 9/24/14
☑ Cooler ☐ Box ☐ Other
Qty Received: 3
Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____) ☐ See Additional Cooler Information Form

Cooler #	TM 2965	TM 1202	TM 2848	
Time	1032	1040	1049	
Custody Seals	☑ None; ☐ Present / Intact; ☐ Present / Not Intact	☑ None; ☐ Present / Intact; ☐ Present / Not Intact	☑ None; ☐ Present / Intact; ☐ Present / Not Intact	☐ None; ☐ Present / Intact; ☐ Present / Not Intact
Coolant Type	☐ Loose Ice; ☑ Bagged Ice; ☐ Blue Ice; ☐ None	☐ Loose Ice; ☑ Bagged Ice; ☐ Blue Ice; ☐ None	☐ Loose Ice; ☑ Bagged Ice; ☐ Blue Ice; ☐ None	☐ Loose Ice; ☐ Bagged Ice; ☐ Blue Ice; ☐ None
Coolant Location	Dispersed / (Top) / (Middle) / (Bottom)	Dispersed / (Top) / (Middle) / (Bottom)	Dispersed / (Top) / (Middle) / (Bottom)	Dispersed / Top / Middle / Bottom
Temp Blank Present	☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☐ Yes ☐ No
If Present, Temperature Blank Location is:	☑ Representative ☐ Not Representative	☑ Representative ☐ Not Representative	☑ Representative ☐ Not Representative	☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	2.6	-	2.6
Sample 1:	2.3	-	2.3
Sample 2:	2.7	-	2.7
Sample 3:	2.3	-	2.3
3 Sample Average °C:	2.4		

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	1.7	-	1.7
Sample 1:	1.7	-	1.7
Sample 2:	2.8	-	2.8
Sample 3:	2.1	-	2.1
3 Sample Average °C:	2.2		

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	1.1	-	1.1
Sample 1:	2.1	-	2.1
Sample 2:	2.7	-	2.7
Sample 3:	2.8	-	2.8
3 Sample Average °C:	2.5		

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			
3 Sample Average °C:			

☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?
☐ VOC Trip Blank received?	☑ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☑	☐	Chain of Custody record(s)? If No, Initiated By _____
☑		Received for Lab Signed/Date/Time?
☑	☐	Shipping document?
☐	☑	Other _____

COC Information

☐ TriMatrix COC ☑ Other 7081,

COC ID Numbers:

Check COC for Accuracy

Yes	No	
☑	☐	Analysis Requested?
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate or non-TriMatrix containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☐	☑	Temperature Blank OR average sample temperature, ≥6° C?
☑	☐	☐	If either is ≥6° C, was thermal preservation required?
☑	☐		If "Yes", Project Chemist Approval Initials: _____
☑	☐		If "Yes" Completed Non Con Cooler - Cont Inventory Form?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐		Samples chemically preserved correctly?
☑	☐		If "No", added orange tag?
☑			Received pre-preserved VOC soils? LR 9/24/14

☑ MeOH ☑ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1 L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
9/24/14 0825	9/24/14 1135	Yes / (No)

000068

TRIMATRIX LABORATORIES

SAMPLE PRESERVATION VERIFICATION FORM

page 1 of 1

Client: Aecom		Work Order #: 1409422
Receipt Log #: 15-9	Completed By (initials/date): UL 9/24/14	Project Chemist: WOR

COC ID #: 7083			Adjusted by: / Date:		DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5 / 23	4	13	1	3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2	<2	6-8	<2	<2	
COC Line #1								
COC Line #2				✓				
COC Line #3								
COC Line #4								
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8								
COC Line #9								
COC Line #10								

Comments

COC ID #:			Adjusted by: / Date:		DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5 / 23	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2		6-8	<2	<2	
COC Line #1								
COC Line #2								
COC Line #3								
COC Line #4								
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8								
COC Line #9								
COC Line #10								

Comments

pH Strip Reagent #
☑ 4051306
☐

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Report To:
AECOM - Alexandria, VA
Ms. Devon Chicoine
675 N. Washington St., Suite 300
Alexandria, VA 22314
Phone: 703-706-0544
Fax: (703) 549-9134

Invoice To:
AECOM
Attn: Accounts Payable
P.O. Box 5604
Glen Allen, VA 23058-5604
Phone: ---
Fax: ---

Package Due Date:	**Oct-20-14 23:00**			
W.O. Due Date:	**Oct-16-14 23:00 (16 day TAT)**		Report Level:	**4DOD**
Date Received:	Sep-24-14 08:25	2.5°C	Received By:	Linda M. Romeyn
Date Logged In:	Sep-24-14 16:46		Logged In By:	Linda M. Romeyn
W.O. Comments:	*4DOD, QSM v4.2, client MS/MSD this WO, further samples expected with additional MS/MSDs, and SDG 50094-12 is OPEN.*			
	Wtr=205 Green			
	NaSO4=97,231 White			
	MeOH=679 White			

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409422-01 GA-TU14SB16-12 [Soil]				
Sampled Sep-23-14 11:00 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 11:00	
8260C DoD VOAs plus custom (High)	Oct-08-14 17:00	10	Oct-07-14 11:00	
8270D DoD SVOCs plus custom	Oct-08-14 17:00	10	Oct-07-14 11:00	
Solids, Total 3550B (%)	Oct-08-14 17:00	10	Oct-07-14 11:00	
1409422-02 GA-TU14SB16-35 [Soil]				
Sampled Sep-23-14 11:20 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 11:20	
8260C DoD VOAs plus custom (High)	Oct-08-14 17:00	10	Oct-07-14 11:20	
8270D DoD SVOCs plus custom	Oct-08-14 17:00	10	Oct-07-14 11:20	
Solids, Total 3550B (%)	Oct-08-14 17:00	10	Oct-07-14 11:20	
1409422-03 GA-TU14SB15-13 [Soil]				
Sampled Sep-23-14 09:10 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 09:10	
8260C DoD VOAs plus custom (High)	Oct-08-14 17:00	10	Oct-07-14 09:10	
8270D DoD SVOCs plus custom	Oct-08-14 17:00	10	Oct-07-14 09:10	
Solids, Total 3550B (%)	Oct-08-14 17:00	10	Oct-07-14 09:10	
1409422-04 GA-TU14SB17-21 [Soil]				
Sampled Sep-23-14 12:40 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 12:40	
8260C DoD VOAs plus custom (High)	Oct-08-14 17:00	10	Oct-07-14 12:40	
8270D DoD SVOCs plus custom	Oct-08-14 17:00	10	Oct-07-14 12:40	
Solids, Total 3550B (%)	Oct-08-14 17:00	10	Oct-07-14 12:40	

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409422-05 GA-TU14SB17-34 [Soil]				
Sampled Sep-23-14 13:00 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 13:00	
8260C DoD VOAs plus custom (High)	Oct-08-14 17:00	10	Oct-07-14 13:00	
8270D DoD SVOCs plus custom	Oct-08-14 17:00	10	Oct-07-14 13:00	
Solids, Total 3550B (%)	Oct-08-14 17:00	10	Oct-07-14 13:00	
1409422-06 GA-TU14SB19-35 [Soil]				
Sampled Sep-23-14 14:55 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 14:55	
8260C DoD VOAs plus custom (High)	Oct-08-14 17:00	10	Oct-07-14 14:55	
8270D DoD SVOCs plus custom	Oct-08-14 17:00	10	Oct-07-14 14:55	
Solids, Total 3550B (%)	Oct-08-14 17:00	10	Oct-07-14 14:55	
1409422-07 GA-TU14SB15-35 [Soil]				client MS/MSD
Sampled Sep-23-14 10:00 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 10:00	
8260C DoD VOAs plus custom (High)	Oct-08-14 17:00	10	Oct-07-14 10:00	
8270D DoD SVOCs plus custom	Oct-08-14 17:00	10	Oct-07-14 10:00	
Solids, Total 3550B (%)	Oct-08-14 17:00	10	Oct-07-14 10:00	
1409422-08 GA-TU14SB15-35DUP [Soil]				Field Duplicate - no matrix QC
Sampled Sep-23-14 10:00 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 10:00	
8260C DoD VOAs plus custom (High)	Oct-08-14 17:00	10	Oct-07-14 10:00	
8270D DoD SVOCs plus custom	Oct-08-14 17:00	10	Oct-07-14 10:00	
Solids, Total 3550B (%)	Oct-08-14 17:00	10	Oct-07-14 10:00	
1409422-09 GA-TU14SB19-16 [Soil]				
Sampled Sep-23-14 14:35 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 14:35	
8260C DoD VOAs plus custom (High)	Oct-08-14 17:00	10	Oct-07-14 14:35	
Solids, Total 3550B (%)	Oct-08-14 17:00	10	Oct-07-14 14:35	
1409422-10 GA-TU14SB18-35 [Soil]				
Sampled Sep-23-14 14:05 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 14:05	
8260C DoD VOAs plus custom (High)	Oct-08-14 17:00	10	Oct-07-14 14:05	
8270D DoD SVOCs plus custom	Oct-08-14 17:00	10	Oct-07-14 14:05	
Solids, Total 3550B (%)	Oct-08-14 17:00	10	Oct-07-14 14:05	
1409422-11 GA-TU14SB18-05 [Soil]				
Sampled Sep-23-14 13:30 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 13:30	

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409422-11 GA-TU14SB18-05 [Soil]				
Sampled Sep-23-14 13:30 Eastern by AECOM				
8260C DoD VOAs plus custom (High)	Oct-08-14 17:00	10	Oct-07-14 13:30	
8270D DoD SVOCs plus custom	Oct-08-14 17:00	10	Oct-07-14 13:30	
Solids, Total 3550B (%)	Oct-08-14 17:00	10	Oct-07-14 13:30	
1409422-12 GA-TU14GW15-01 [Water]				
Sampled Sep-23-14 10:30 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 10:30	
8270D DoD SVOCs plus custom	Oct-08-14 17:00	10	Sep-30-14 10:30	
1409422-13 FQC-TB092314JC-001 [Water]				**TB (second vial is back-up)**
Sampled Sep-23-14 12:00 Eastern by TriMatrix				
8260C DoD VOAs plus custom	Oct-08-14 17:00	10	Oct-07-14 12:00	

000072

Reviewed By

Date

TM 3200 E·1409444

Chain of Custody

1

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

WTR - Iced

17-5

PAGE 1 OF 1

Laboratory	Project Name	60308608
TriMatrix Laboratories, Inc.	Air National Guard - BLT MAES 0001 NE PA/SI	
Address	**Point of Contact / Phone No.**	
5560 Corporate Exchange Court	Devon Chicoine (703) 706-0544	
City / **State** / **Zip Code**	**Site Contact / Phone No.**	
Grand Rapids / Michigan / 49512	J. Christopher 315 720 4584	

Chain of Custody: 7084
Batch Mar13

In a Cooler in Walk In.
#364-G
#581-G
Comment #482-W

	ERPIMS Information					Other Sample Information						Analysis											
	LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	SVOCs ~~(8270C)~~ (8270 D)	Dissolved Metals (6010C/6020A/7470B)	Total Metals (6010C/6020A/7470B)	Metals (6010C/6020A/7471A) SOIL	% solids		0-TEST GROUP				
1.	Field QC	–	–	TB	1	FQC-TB092414JC-001	9/24/14	1200	WQ	2	2	2							0	4			
2.	TU14SB20	–	–	N	1	GA-TU14GW20-01	9/24/14	930	WG	5	2	3	2						0	5			
3.	TU14SB23	24.0	25.0	N	1	GA-TU14SB23-25	9/24/14	1245	SO	5	2	3	1				1		0	1			
4.	TU14SB23	32.0	33.0	N	1	GA-TU14SB23-33	9/24/14	1305	SO	5	2	3	1				1		0	1			
5.	TU14SB24	5.5	6.5	N	1	GA-TU14SB24-01	9/24/14	1315	SO	5	2	3	1				1		0	1			
6.	TU14SB24	31.5	32.5	N	1	GA-TU14SB24-33	9/24/14	1355	SO	5	2	3	1				1		0	1			

	Relinquished By / Company	Date	Time	Received By / Company	Date	Time
1.	J. Christopher AECOM	9/24/14	1600	Fed Ex	9/24/14	1600
2.		Date	Time		Date	Time
4.		Date	Time	Lyle Romeyn Trimatrix	9/25/14	0815
5.		Date	Time		Date	Time

Comments

Shipment Method/Airbill No. 8060 6572 7838

000075

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

Cooler Receipt E-1409444

Chain of Custody

2

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

17-5

Laboratory	Project Name	60308608
TriMatrix Laboratories, Inc.	**Air National Guard - BLT MAES 0001 NE PA/SI**	
Address	**Point of Contact / Phone No.**	
5560 Corporate Exchange Court	**Devon Chicoine (703) 706-0544**	
City / **Grand Rapids**	**State** / **Michigan**	**Zip Code** / **49512**
Site Contact / Phone No.	J. Christoffner 315 720 4584	

ERPIMS Information					Other Sample Information						Analysis											Chain of Custody
LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	SVOCs (8270C) (8270D)	Dissolved Metals (6010C/6020A/7470B)	Total Metals (6010C/6020A/7470B)	Metals (6010C/6020A/7471A) SOIL	% Solids		TEST GROUP				7086 Batch Mar13
7. TU14SB21	4.0	5.0	N	1	GA-TU14SB21-5	9/24/14	1000	SO	5	1	3	1				1		0	1			
8. TU14SB21	32.0	33.0	N	1	GA-TU14SB21-33	9/24/14	1040	SO	5	1	3	1				1		0	1			
9. TU14SB22	25.0	26.0	N	1	GA-TU14SB22-26	9/24/14	1125	SO	5	1	3	1				1		0	1			
10. TU14SB22	31.5	32.5	N	1	GA-TU14SB22-33	9/24/14	1155	SO	5	1	3	1				1		0	1			
11. TU14SB20	4.0	5.0	N	1	GA-TU14SB20-5	9/24/14	835	SO	5	1	3	1				1		0	1			
12. TU14SB20	32.0	33.0	N	1	GA-TU14SB20-33	9/24/14	910	SO	5	1	3	1				1		0	1			

1. Relinquished By / Company J. Christoffner AECOM	Date 9/24/14	Time 1600	1. Received By / Company Fed Ex	Date 9/24/14	Time 1600
2. Relinquished By / Company	Date	Time	2. Received By / Company	Date	Time
4. Relinquished By / Company	Date	Time	4. Received By / Company Stephanie Dimatteo	Date 9/25/14	Time 0815
5. Relinquished By / Company	Date	Time	5. Received By / Company	Date	Time

Comments

Shipment Method/Airbill No. 8060 6572 7838

000074

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy



ORIGIN ID:WSHA (703) 706-9407
AECOM GCP
675 N WASHINGTON ST
ALEXANDRIA, VA 223141934
UNITED STATES US

SHIP DATE: 24SEP14
ACTWGT: 37.0 LB
CAD: /POS1501
DIMS: 24x14x13 IN
BILL SENDER

TO SAMPLE RECEIVING
TRIMATRIX CORPORATE EXCHANGE
5560 CORPORATE EXCHANGE CT SE

GRAND RAPIDS MI 49512
(616) 846-9628 REF:
INV:
PO: DEPT:

FedEx Express

J14221409230126

1 of 2
TRK# 0215 8060 6572 7838
MASTER

THU - 25 SEP 10:30A
PRIORITY OVERNIGHT

NA GRRA

49512
MI-US GRR

ORIGIN ID:WSHA (703) 706-9407
AECOM GCP

675 N WASHINGTON ST

ALEXANDRIA, VA 223141934
UNITED STATES US

SHIP DATE: 24SEP14
ACTWGT: 46.8 LB
CAD: /POS1501
DIMS: 24x14x13 IN

BILL SENDER

TO SAMPLE RECEIVING
TRIMATRIX CORPORATE EXCHANGE
5560 CORPORATE EXCHANGE CT SE

GRAND RAPIDS MI 49512

(616) 846-9528 REF:
INV:
PO: DEPT:

FedEx Express

J14221409230126

2 of 2
MPS# 7801 4380 3919
0681
Mstr# 8060 6572 7838

THU - 25 SEP 10:30A
PRIORITY OVERNIGHT

0215

NA GRRA

49512
MI-US GRR

Part # 156827-155 REV 04/14

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

CUSTODY SEAL
DATE
SIGNATURE

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: Accom
Receipt Record Page/Line #: 17-5
Work Order #: 1409444
New / Add To
Project Chemist: LMR
Sample #s

Recorded by (initials/date): LH 9/25/14

Cooler ☑ / Box ☐ / Other ☐
Qty Received: 2
Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____)
☐ See Additional Cooler Information Form

Cooler #	TM3200	Accutest		
Time	1036	1047		
Custody Seals	☑ None	☐ None	☐ None	☐ None
	☐ Present / Intact	☑ Present / Intact	☐ Present / Intact	☐ Present / Intact
	☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact
Coolant Type	☐ Loose Ice	☐ Loose Ice	☐ Loose Ice	☐ Loose Ice
	☑ Bagged Ice	☑ Bagged Ice	☐ Bagged Ice	☐ Bagged Ice
	☐ Blue Ice	☐ Blue Ice	☐ Blue Ice	☐ Blue Ice
	☐ None	☐ None	☐ None	☐ None
Coolant Location	Dispersed / (Top) / (Middle) / (Bottom)	Dispersed / (Top) / (Middle) / (Bottom)	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Temp Blank Present	☑ Yes ☐ No	☑ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
If Present, Temperature Blank Location is:	☑ Representative ☐ Not Representative	☑ Representative ☐ Not Representative	☐ Representative ☐ Not Representative	☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C	Observed °C	Correction Factor °C	Actual °C	Observed °C	Correction Factor °C	Actual °C	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	3.5	-	3.5	1.9	-	1.9						
Sample 1:	3.5	-	3.5	2.1	-	2.1						
Sample 2:	4.2	-	4.2	4.9	-	4.9						
Sample 3:	3.8	-	3.8	3.3	-	3.3						
3 Sample Average °C:	3.8			3.4								
☐ Cooler ID on COC?												
☑ VOC Trip Blank received?				☐ VOC Trip Blank received?			☐ VOC Trip Blank received?			☐ VOC Trip Blank received?		

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☑	☐	Chain of Custody record(s)? If No, Initiated By _____
☑		Received for Lab Signed/Date/Time?
☑	☐	Shipping document?
☐	☑	Other _____

COC Information

☐ TriMatrix COC ☑ Other 7084, 7086

COC ID Numbers:

Check COC for Accuracy

Yes	No	
☑	☐	Analysis Requested?
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate or non-TriMatrix containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☐	☑	Temperature Blank OR average sample temperature, ≥6° C?
☑	☐	☐	If either is ≥6° C, was thermal preservation required?
☑	☐		If "Yes", Project Chemist Approval Initials: _____
☑	☐		If "Yes" Completed Non Con Cooler - Cont Inventory Form?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐		Samples chemically preserved correctly?
☑	☐		If "No", added orange tag?
	☐		Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1 L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
9/25/14 0815	9/25/14 1130	Yes (No)

000077

TRIMATRIX LABORATORIES

WORK ORDER **1409444**

Printed: 9/26/2014 4:57:11PM

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Report To:
AECOM - Alexandria, VA
Ms. Devon Chicoine
675 N. Washington St., Suite 300
Alexandria, VA 22314
Phone: 703-706-0544
Fax: (703) 549-9134

Invoice To:
AECOM
Attn: Accounts Payable
P.O. Box 5604
Glen Allen, VA 23058-5604
Phone: ---
Fax: ---

Package Due Date:	**Oct-20-14 23:00**			
W.O. Due Date:	**Oct-16-14 23:00 (15 day TAT)**		Report Level:	**4DOD**
Date Received:	Sep-25-14 08:15	3.8°C	Received By:	Linda M. Romeyn
Date Logged In:	Sep-25-14 15:18		Logged In By:	William D. Cole
W.O. Comments:	*4DOD, QSM v4.2, client MS/MSD in prior WO, further samples expected with additional MS/MSDs, and SDG 50094-12 is OPEN.* *VOC Rack #616R* *#364, #581-G #482-W*			

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409444-01 FOC-TB092414JC-001 [Water] *Sampled Sep-24-14 12:00 Eastern by TriMatrix*				TB (second vial is back-up)
8260C DoD VOAs plus custom	Oct-09-14 17:00	10	Oct-08-14 12:00	
1409444-02 GA-TU14GW20-01 [Water] *Sampled Sep-24-14 09:30 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-09-14 17:00	10	Oct-08-14 09:30	
8270D DoD SVOCs plus custom	Oct-09-14 17:00	10	Oct-01-14 09:30	
1409444-03 GA-TU14SB23-25 [Soil] *Sampled Sep-24-14 12:45 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-09-14 17:00	10	Oct-08-14 12:45	
8260C DoD VOAs plus custom (High)	Oct-09-14 17:00	10	Oct-08-14 12:45	
8270D DoD SVOCs plus custom	Oct-09-14 17:00	10	Oct-08-14 12:45	
Solids, Total 3550B (%)	Oct-09-14 17:00	10	Oct-08-14 12:45	
1409444-04 GA-TU14SB23-33 [Soil] *Sampled Sep-24-14 13:05 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-09-14 17:00	10	Oct-08-14 13:05	
8260C DoD VOAs plus custom (High)	Oct-09-14 17:00	10	Oct-08-14 13:05	
8270D DoD SVOCs plus custom	Oct-09-14 17:00	10	Oct-08-14 13:05	
Solids, Total 3550B (%)	Oct-09-14 17:00	10	Oct-08-14 13:05	
1409444-05 GA-TU14SB24-07 [Soil] *Sampled Sep-24-14 13:15 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-09-14 17:00	10	Oct-08-14 13:15	
8260C DoD VOAs plus custom (High)	Oct-09-14 17:00	10	Oct-08-14 13:15	
8270D DoD SVOCs plus custom	Oct-09-14 17:00	10	Oct-08-14 13:15	
Solids, Total 3550B (%)	Oct-09-14 17:00	10	Oct-08-14 13:15	

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409444-06 GA-TU14SB24-33 [Soil] *Sampled Sep-24-14 13:55 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-09-14 17:00	10	Oct-08-14 13:55	
8260C DoD VOAs plus custom (High)	Oct-09-14 17:00	10	Oct-08-14 13:55	
8270D DoD SVOCs plus custom	Oct-09-14 17:00	10	Oct-08-14 13:55	
Solids, Total 3550B (%)	Oct-09-14 17:00	10	Oct-08-14 13:55	
1409444-07 GA-TU14SB21-5 [Soil] *Sampled Sep-24-14 10:00 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-09-14 17:00	10	Oct-08-14 10:00	
8260C DoD VOAs plus custom (High)	Oct-09-14 17:00	10	Oct-08-14 10:00	
8270D DoD SVOCs plus custom	Oct-09-14 17:00	10	Oct-08-14 10:00	
Solids, Total 3550B (%)	Oct-09-14 17:00	10	Oct-08-14 10:00	
1409444-08 GA-TU14SB21-33 [Soil] *Sampled Sep-24-14 10:40 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-09-14 17:00	10	Oct-08-14 10:40	
8260C DoD VOAs plus custom (High)	Oct-09-14 17:00	10	Oct-08-14 10:40	
8270D DoD SVOCs plus custom	Oct-09-14 17:00	10	Oct-08-14 10:40	
Solids, Total 3550B (%)	Oct-09-14 17:00	10	Oct-08-14 10:40	
1409444-09 GA-TU14SB22-26 [Soil] *Sampled Sep-24-14 11:25 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-09-14 17:00	10	Oct-08-14 11:25	
8260C DoD VOAs plus custom (High)	Oct-09-14 17:00	10	Oct-08-14 11:25	
8270D DoD SVOCs plus custom	Oct-09-14 17:00	10	Oct-08-14 11:25	
Solids, Total 3550B (%)	Oct-09-14 17:00	10	Oct-08-14 11:25	
1409444-10 GA-TU14SB22-33 [Soil] *Sampled Sep-24-14 11:35 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-09-14 17:00	10	Oct-08-14 11:35	
8260C DoD VOAs plus custom (High)	Oct-09-14 17:00	10	Oct-08-14 11:35	
8270D DoD SVOCs plus custom	Oct-09-14 17:00	10	Oct-08-14 11:35	
Solids, Total 3550B (%)	Oct-09-14 17:00	10	Oct-08-14 11:35	
1409444-11 GA-TU14SB20-5 [Soil] *Sampled Sep-24-14 08:35 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-09-14 17:00	10	Oct-08-14 08:35	
8260C DoD VOAs plus custom (High)	Oct-09-14 17:00	10	Oct-08-14 08:35	
8270D DoD SVOCs plus custom	Oct-09-14 17:00	10	Oct-08-14 08:35	
Solids, Total 3550B (%)	Oct-09-14 17:00	10	Oct-08-14 08:35	
1409444-12 GA-TU14SB20-33 [Soil] *Sampled Sep-24-14 09:10 Eastern by AECOM*				

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409444-12 GA-TUH-SB20-33 [Soil]				
Sampled Sep-24-14 09:10 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-09-14 17:00	10	Oct-08-14 09:10	
8260C DoD VOAs plus custom (High)	Oct-09-14 17:00	10	Oct-08-14 09:10	
8270D DoD SVOCs plus custom	Oct-09-14 17:00	10	Oct-08-14 09:10	
Solids, Total 3550B (%)	Oct-09-14 17:00	10	Oct-08-14 09:10	

TM 2362 E: 1409479

1

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

20-21

Laboratory	Project Name	60308608
TriMatrix Laboratories, Inc.	**Air National Guard - BLT MAES 0001 NE PA/SI**	
Address	**Point of Contact / Phone No.**	
5560 Corporate Exchange Court	**Devon Chicoine (703) 706-0544**	
City / **State** / **Zip Code**	**Site Contact / Phone No.**	
Grand Rapids / **Michigan** / **49512**	J. Christopher 315 720 4584	

Chain of Custody: 7085
Batch Mar13

522 Red (WTR) cooler Cart 2 #378-G (REOH) #368, 75-G (SBS)
Comment

	ERPIMS Information					Other Sample Information						Analysis												
	LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	SVOCs (8270C) (8270D)	Dissolved Metals (6010C/6020A/7470B)	Total Metals (6010C/6020A/7470B)	Metals (6010C/6020A/7471A) SOIL	% solids			TEST	GROUP			
1.	TU13SB01	6.0	8.0	N	1	GA-TU13SB01-08	9/25/14	900	SO	5	1	3	1				1			0	1			
2.	TU13SB01	30.5	31.5	N	1	GA-TU13SB01-32	9/25/14	920	SO	5	1	3	1				1			0	1			
3.	TU13SB02	13.0	13.5	N	1	GA-TU13SB02-14	9/25/14	945	SO	5	1	3	1				1			0	1			
4.	TU13SB02	32.0	33.0	N	1	GA-TU13SB02-33	9/25/14	1000	SO	5	1	3	1				1			0	1			
5.	TU13SB04	5.5	6.5	N	1	GA-TU13SB04-07	9/25/14	1050	SO	5	1	3	1				1			0	1			
6.	TU13SB04	32.0	33.0	N	1	GA-TU13SB04-33	9/25/14	1110	SO	5	1	3	1				1			0	1			

1. Relinquished By / Company: J. Christopher AECOM	Date: 9/25/14	Time: 1700	1. Received By / Company: Fed Ex	Date: 9/25/14	Time: 1700
2. Relinquished By / Company	Date	Time	2. Received By / Company	Date	Time
4. Relinquished By / Company	Date	Time	4. Received By / Company: Trimatrix	Date: 9/26/14	Time: 0900
5. Relinquished By / Company	Date	Time	5. Received By / Company	Date	Time

Comments

Shipment Method/Airbill No.: 6060 6572 7849

180081

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

E-1409479

2

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

20-21 PAGE 1 OF 1

Laboratory	Project Name	60308608	Analysis	Chain of Custody
TriMatrix Laboratories, Inc.	**Air National Guard - BLT MAES 0001 NE PA/SI**			7087 Batch Mar13
Address	Point of Contact / Phone No.			
5560 Corporate Exchange Court	**Devon Chicoine (703) 706-0544**			
City / State / Zip Code	Site Contact / Phone No.			
Grand Rapids / Michigan / 49512	J. Christopher 715 720 1554			

	ERPIMS Information					Other Sample Information																		
	LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	SVOCs (8270C) 8270D	Dissolved Metals (6010C/6020A/7470B)	Total Metals (6010C/6020A/7470B)	Metals (6010C/6020A/7471A) SOIL	X. solids			TEST	GROUP			Comment
7.	Field QC	—	—	TB	1	FQC-TB092514JC-00	9/25/14	800	WQ	2	3	2								0	4			
8.	TU13SB03	11.0	12.0	N	1	GA-TU13SB03-12	9/25/14	1130	SO	5	3	3	1				1			0	1			
9.	TU13SB02	—	—	N	1	GA-TU13GW02-01	9/25/14	1015	WG	5	3	3	2							0	5			
10.	TU13SB05	—	—	N	1	GA-TU13GW05-01	9/25/14	1320	WG	5	3	3	2							0	5			
11.	TU13SB03			N	1	GA-TU13GW03-01	9/25/14	1200	WG	5	3	3	2							0	5			

		Date	Time		Date	Time
1.	Relinquished By / Company: J Christopher AECOM	9/25/14	1700	1. Received By / Company: FX	9/25/14	1700
2.	Relinquished By / Company	Date	Time	2. Received By / Company	Date	Time
4.	Relinquished By / Company	Date	Time	4. Received By / Company: Christopher Trimatrix	9/26/14	0900
5.	Relinquished By / Company	Date	Time	5. Received By / Company	Date	Time

Comments

Shipment Method/Airbill No. FEDEX 6572 7849

000082

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

TM 1880 E-1409479

3

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

20-21 PAGE 1 OF 1

Laboratory	Project Name	60308608
TriMatrix Laboratories, Inc.	Air National Guard - BLT MAES 0001 NE PA/SI	
Address	Point of Contact / Phone No.	
5560 Corporate Exchange Court	Devon Chicoine (703) 706-0544	
City / State / Zip Code	Site Contact / Phone No.	
Grand Rapids / Michigan / 49512	J. Christopher 3157204584	

Chain of Custody: 7088 Batch Mar13

Comment

ERPIMS Information					Other Sample Information						Analysis											
LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	SVOCs (8270C) & 8270 D	Dissolved Metals (6010C/6020A/7470B)	Total Metals (6010C/6020A/7470B)	Metals (6010C/6020A/7471A) SOIL	TCL				TEST	GROUP	
12 TU13SB06	13.0	14.0	N	1	GA-TU13SB06-14	9/25/14	1405	SO	5	2	3	1				1				0	1	
13 TU13SB06	32.0	33.0	N	1	GA-TU13SB06-33	9/25/14	1420	SO	5	2	3	1				1				0	1	
14 TU13SB07	6.0	8.0	N	1	GA-TU13SB07-08	9/25/14	1440	SO	5	2	3	1				1				0	1	
15 TU13SB07	32.0	33.0	N	1	GA-TU13SB07-33	9/25/14	1515	SO	5	2	3	1				1				0	1	
16 TU13SB03	32.0	33.0	N	1	GA-TU13SB03-33	9/25/14	1155	SO	5	2	3	1				1				0	1	
17 TU13SB05	11.0	11.4	N	1	GA-TU13SB05-12	9/25/14	1240	SO	5	2	3	1				1				0	1	
18 TU13SB05	32.0	33.0	N	1	GA-TU13SB05-33	9/25/14	1305	SO	5	2	3	1				1				0	1	

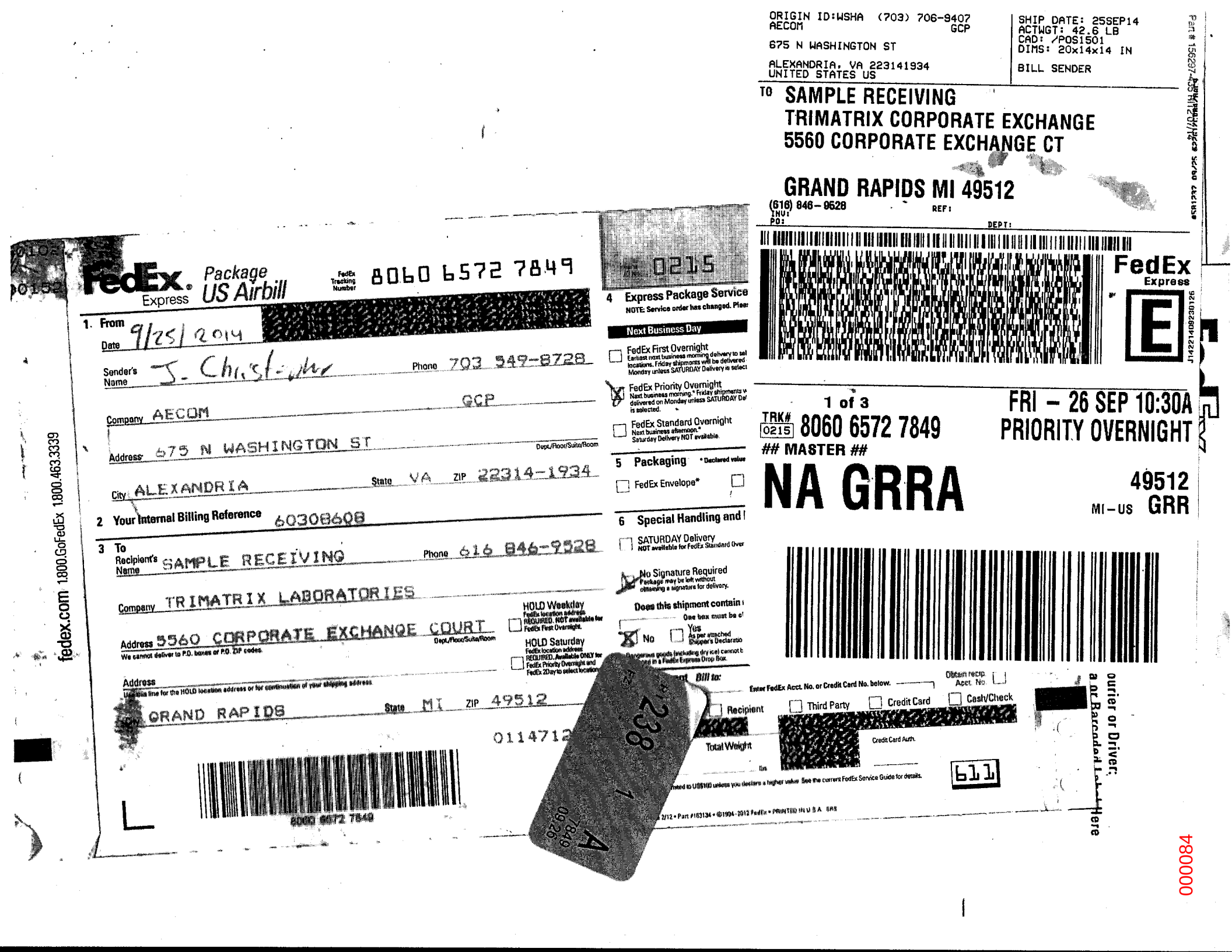
	Date	Time		Date	Time
1. Relinquished By / Company: J. Christopher AECOM	9/25/14	1700	1. Received By / Company: Fed Ex	9/25/14	1700
2. Relinquished By / Company	Date	Time	2. Received By / Company	Date	Time
4. Relinquished By / Company	Date	Time	4. Received By / Company: Trimatrix	9/26/14	0800
5. Relinquished By / Company	Date	Time	5. Received By / Company	Date	Time

Comments

Shipment Method/Airbill No. 8060 6572 7849

000083

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy



FedEx Express Package US Airbill

FedEx Tracking Number 8060 6572 7849

0215

1. From
Date 9/25/2014
Sender's Name J. Christopher Phone 703 549-8728
Company AECOM GCP
Address 675 N WASHINGTON ST Dept./Floor/Suite/Room
City ALEXANDRIA State VA ZIP 22314-1934

2 Your Internal Billing Reference 60308608

3 To
Recipient's Name SAMPLE RECEIVING Phone 616 846-9528
Company TRIMATRIX LABORATORIES
Address 5560 CORPORATE EXCHANGE COURT Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Address
Use this line for the HOLD location address or for continuation of your shipping address.
City GRAND RAPIDS State MI ZIP 49512

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.
HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0114712

4 Express Package Service
NOTE: Service order has changed. Plea

Next Business Day
- [ ] FedEx First Overnight — Earliest next business morning delivery to sel locations. Friday shipments will be delivered Monday unless SATURDAY Delivery is select
- [X] FedEx Priority Overnight — Next business morning.* Friday shipments w delivered on Monday unless SATURDAY De is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

5 Packaging * Declared value
- [ ] FedEx Envelope*
- [ ]

6 Special Handling and
- [ ] SATURDAY Delivery — NOT available for FedEx Standard Over
- [X] No Signature Required — Package may be left without obtaining a signature for delivery.

Does this shipment contain
One box must be c
- [X] No
- [ ] Yes — As per attached Shipper's Declaratio

Dangerous goods (including dry ice) cannot b in a FedEx Express Drop Box.

Bill to:
Enter FedEx Acct. No. or Credit Card No. below.
Obtain recip. Acct. No.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Weight lbs
Credit Card Auth.
611

Liability limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

2/12 • Part #163134 • ©1994-2012 FedEx • PRINTED IN U.S.A. SRS

8060 6572 7849

fedex.com 1.800.GoFedEx 1.800.463.3339

ORIGIN ID:WSHA (703) 706-9407
AECOM GCP
675 N WASHINGTON ST
ALEXANDRIA, VA 223141934
UNITED STATES US

SHIP DATE: 25SEP14
ACTWGT: 42.6 LB
CAD: /POS1501
DIMS: 20x14x14 IN
BILL SENDER

TO SAMPLE RECEIVING
TRIMATRIX CORPORATE EXCHANGE
5560 CORPORATE EXCHANGE CT

GRAND RAPIDS MI 49512
(616) 846-9528 REF:
INV:
PO: DEPT:

FedEx Express

1 of 3
TRK# 0215 8060 6572 7849
MASTER

FRI – 26 SEP 10:30A
PRIORITY OVERNIGHT

NA GRRA

49512
MI-US GRR

Courier or Driver: Here

Part # 156267-4SS4H12/14

000084

ORIGIN ID:WSHA (703) 706-9407
AECOM GCP
675 N WASHINGTON ST
ALEXANDRIA, VA 223141934
UNITED STATES US

TO SAMPLE RECEIVING
TRIMATRIX CORPORATE EXCHANGE
5560 CORPORATE EXCHANGE CT
GRAND RAPIDS MI 49512
(616) 846-9628
INV:
PO:
REF:
DEPT:

SHIP DATE: 25SEP14
ACTWGT: 37.8 LB
CAD: /POS1501
DIMS: 24x13x13 IN
BILL SENDER

FedEx Express

2 of 3
MPS# 0681 7801 4406 6631
Mstr# 8060 6572 7849

FRI - 26 SEP 10:30A
PRIORITY OVERNIGHT

0215

NA GRRA

49512
MI-US GRR

Part # 156297-435 MKE 0/1/1

ORIGIN ID:WSHA (703) 706-9407
AECOM GCP
675 N WASHINGTON ST
ALEXANDRIA, VA 223141934
UNITED STATES US

TO SAMPLE RECEIVING
TRIMATRIX CORPORATE EXCHANGE
5560 CORPORATE EXCHANGE CT
GRAND RAPIDS MI 49512
(616) 846-9628
INV:
PO:
REF:
DEPT:

SHIP DATE: 25SEP14
ACTWGT: 55.5 LB
CAD: /POS1501
DIMS: 24x13x13 IN
BILL SENDER

FedEx Express

3 of 3
MPS# 0681 7801 4406 6642
Mstr# 8060 6572 7849

FRI - 26 SEP 10:30A
PRIORITY OVERNIGHT

0215

NA GRRA

49512
MI-US GRR

J14221409230126

Part # 156297-435 MKE 0/1/1

Align Open End of FedEx Pouch Here

FedEx®

Courier or Driver:
Place Astra or Barcoded Label Here

Recipient's Name Please print.

Phone Number ( )

000085

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: Arcom | Work Order #: 1409479 | New / Add To
Receipt Record Page/Line #: 20-21 | Project Chemist: CWR | Sample #s

Recorded by (initials/date): CR 9/26/14 | ☑ Cooler ☐ Box ☐ Other | Qty Received

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____) | ☐ See Additional Cooler Information Form

Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is:
2362	1520	☑ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☑ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / (Top) / Middle / (Bottom)	☑ Yes ☐ No	☑ Representative ☐ Not Representative
3292	1527	☑ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☑ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / (Top) / Middle / (Bottom)	☑ Yes ☐ No	☑ Representative ☐ Not Representative
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C	Observed °C	Correction Factor °C	Actual °C	Observed °C	Correction Factor °C	Actual °C	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	1.3	-	1.3	1.8	-	1.8	1.9	-	1.9			
Sample 1:	1.3	-	1.3	2.5	-	2.5	3.9	-	3.9			
Sample 2:	2.1		2.1	2.9	-	2.9	3.1	-	3.1			
Sample 3:	3.9	-	3.9	3.1	-	3.1	1.9	-	1.9			
3 Sample Average °C:	2.4			2.8								

☑ Cooler ID on COC? ☐ VOC Trip Blank received?	☐ Cooler ID on COC? ☑ VOC Trip Blank received?	☐ Cooler ID on COC? ☐ VOC Trip Blank received?	☐ Cooler ID on COC? ☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☑	☐	Chain of Custody record(s)? If No, Initiated By _____
☑		Received for Lab Signed/Date/Time?
☑	☐	Shipping document?
☐	☑	Other _____

COC Information

☐ TriMatrix COC ☑ Other 7085

COC ID Numbers:

Check COC for Accuracy

Yes	No	
☑	☐	Analysis Requested?
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate or non-TriMatrix containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☐	☑	Temperature Blank OR average sample temperature, ≥6° C?
☑	☐	☐	If either is ≥6° C, was thermal preservation required?
☑	☐		If "Yes", Project Chemist Approval Initials:_____
☑	☐		If "Yes" Completed Non Con Cooler - Cont Inventory Form?
☐	☑		Completed Sample Preservation Verification Form?
☐	☑		Samples chemically preserved correctly?
☑	☐		If "No", added orange tag?
	☑		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1 L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
9/26/14 0900	9/26/14 1605	Yes (No)

000086

TRIMATRIX LABORATORIES

SAMPLE PRESERVATION VERIFICATION FORM

Client	Work Order #
Aecom	1409479
Receipt Log #	**Completed By (initial/date)**	**Project Chemist**
20-21	AR 9/26/14	WJR

COC ID #	Adjusted by:	DO NOT ADJUST pH FOR THESE CONTAINER TYPES
7087	Date:	

Container Type	5 / 23	4	13	1	3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4	HCl	None	HNO_3	HNO_3	
Expected pH	>12	<2	<2	<2	6-8	<2	<2	
COC Line #1								
COC Line #2								
COC Line #3				✓				
COC Line #4				✓				
COC Line #5				✓				
COC Line #6								
COC Line #7								
COC Line #8								
COC Line #9								
COC Line #10								

Comments

COC ID #	Adjusted by:	DO NOT ADJUST pH FOR THESE CONTAINER TYPES
	Date:	

Container Type	5 / 23	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2		6-8	<2	<2	
COC Line #1								
COC Line #2								
COC Line #3								
COC Line #4								
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8								
COC Line #9								
COC Line #10								

Comments

pH Strip Reagent #

☑ 4051306

☐

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Report To:
AECOM - Alexandria, VA
Ms. Devon Chicoine
675 N. Washington St., Suite 300
Alexandria, VA 22314
Phone: 703-706-0544
Fax: (703) 549-9134

Invoice To:
AECOM
Attn: Accounts Payable
P.O. Box 5604
Glen Allen, VA 23058-5604
Phone: ---
Fax: ---

Package Due Date:	**Oct-20-14 23:00**			
W.O. Due Date:	**Oct-16-14 23:00 (14 day TAT)**		Report Level:	**4DOD**
Date Received:	Sep-26-14 09:00	2.8°C	Received By:	Linda M. Romeyn
Date Logged In:	Sep-27-14 07:54		Logged In By:	William D. Cole
W.O. Comments:	*4DOD, QSM v4.2, client MS/MSD in prior WO, further samples expected with additional MS/MSDs, and SDG 50094-12 is OPEN.*			
	VOC Rack #522R			

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409479-01 GA-TU13SB01-08 [Soil]				
Sampled Sep-25-14 09:00 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 09:00	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 09:00	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 09:00	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 09:00	
1409479-02 GA-TU13SB01-32 [Soil]				
Sampled Sep-25-14 09:20 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 09:20	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 09:20	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 09:20	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 09:20	
1409479-03 GA-TU13SB02-14 [Soil]				
Sampled Sep-25-14 09:45 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 09:45	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 09:45	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 09:45	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 09:45	
1409479-04 GA-TU13SB02-33 [Soil]				
Sampled Sep-25-14 10:00 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 10:00	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 10:00	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 10:00	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 10:00	
1409479-05 GA-TU13SB04-07 [Soil]				
Sampled Sep-25-14 10:50 Eastern by AECOM				

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409479-05 GA-TU13SB04-07 [Soil] *Sampled Sep-25-14 10:50 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 10:50	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 10:50	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 10:50	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 10:50	
1409479-06 GA-TU13SB04-33 [Soil] *Sampled Sep-25-14 11:10 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 11:10	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 11:10	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 11:10	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 11:10	
1409479-07 EQC-1B092514JC-001 [Water] *Sampled Sep-25-14 08:00 Eastern by TriMatrix*				TB (second vial is back-up)
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 08:00	
1409479-08 GA-TU13SB03-12 [Soil] *Sampled Sep-25-14 11:30 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 11:30	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 11:30	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 11:30	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 11:30	
1409479-09 GA-TU13GW02-01 [Water] *Sampled Sep-25-14 10:15 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 10:15	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-02-14 10:15	
1409479-10 GA-TU13GW05-01 [Water] *Sampled Sep-25-14 13:20 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 13:20	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-02-14 13:20	
1409479-11 GA-TU13GW03-01 [Water] *Sampled Sep-25-14 12:00 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 12:00	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-02-14 12:00	
1409479-12 GA-TU13SB06-14 [Soil] *Sampled Sep-25-14 14:05 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 14:05	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 14:05	

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409479-12 GA-TU13SB06-14 [Soil] *Sampled Sep-25-14 14:05 Eastern by AECOM*				
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 14:05	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 14:05	
1409479-13 GA-TU13SB06-33 [Soil] *Sampled Sep-25-14 14:20 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 14:20	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 14:20	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 14:20	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 14:20	
1409479-14 GA-TU13SB07-08 [Soil] *Sampled Sep-25-14 14:40 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 14:40	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 14:40	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 14:40	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 14:40	
1409479-15 GA-TU13SB07-33 [Soil] *Sampled Sep-25-14 15:15 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 15:15	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 15:15	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 15:15	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 15:15	
1409479-16 GA-TU13SB03-33 [Soil] *Sampled Sep-25-14 11:55 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 11:55	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 11:55	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 11:55	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 11:55	
1409479-17 GA-TU13SB05-12 [Soil] *Sampled Sep-25-14 12:40 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 12:40	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 12:40	
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 12:40	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 12:40	
1409479-18 GA-TU13SB05-33 [Soil] *Sampled Sep-25-14 13:05 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-10-14 17:00	10	Oct-09-14 13:05	
8260C DoD VOAs plus custom (High)	Oct-10-14 17:00	10	Oct-09-14 13:05	

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409479-18 GA-TU-SSB05-33 [Soil]				
Sampled Sep-25-14 13:05 Eastern by AECOM				
8270D DoD SVOCs plus custom	Oct-10-14 17:00	10	Oct-09-14 13:05	
Solids, Total 3550B (%)	Oct-10-14 17:00	10	Oct-09-14 13:05	

000091

Reviewed By

Date

21.3, Cart 13

321G - Waters

TM 3278

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

Laboratory	Project Name	60308608
TriMatrix Laboratories, Inc.	Air National Guard - BLT MAES 0001 NE PA/SI	
Address	**Point of Contact / Phone No.**	
5560 Corporate Exchange Court	Devon Chicoine (703) 706-0544	
City / **State** / **Zip Code**	**Site Contact / Phone No.**	
Grand Rapids / Michigan / 49512	J Christopher 315 720 4584	

ERPIMS Information					Other Sample Information						Analysis											Chain of Custody
LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	SVOCs (8270C) 8270D	Dissolved Metals (6010C/6020A/7470B)	Total Metals (6010C/6020A/7470B)	Metals (6010C/6020A/7471A) SOIL	X. Solids		TEST	GRAB			7090 Batch Mar13
Field QC	~	~	TB	1	FQC-TB-092614JC-001	9/26/14	1200	WQ	2	2	2							0	4			-01
TU16SB30	7.0	8.0	N	1	GA-TU16SB30-08	9/26/14	1145	SO	5	2	3	1				1		0	1			-02
TU16SB31	7.0	8.0	N	1	GA-TU16SB31-08	9/26/14	1205	SO	5	2	3	1				1		0	1			-03
TU16SB32	15.5	16.5	N	1	GA-TU16SB32-17	9/26/14	1250	SO	5	2	3	1				1		0	1			-04
TU16SB33	9.0	10.0	N	1	GA-TU16SB33-10	9/26/14	1300	SO	5	2	3	1				1		0	1			-05
TU16GW29	-	-	N	1	GA-TU16GW29-01	9/26/14	1055	WG	5	2	3	2						0	5			-06
Field QC	-	-	EB	1	FQC-EB092614JC-001	9/26/14	900	WQ	5	2	3	2						1	1			-07

#1409499 Comment

1. Relinquished By / Company: J Christopher AECOM	Date: 9/26/14	Time: 1500	1. Received By / Company: Fed Ex — Date: 9/26/14 — Time: 1500
2. Relinquished By / Company	Date	Time	2. Received By / Company — Date — Time
4. Relinquished By / Company	Date	Time	4. Received By / Company — Date — Time
5. Relinquished By / Company	Date	Time	5. Received By / Company — Date: 9.27.14 — Time: 0820

Comments

Shipment Method/Airbill No. 8060 6572 7850

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

21.3, Cart 13

Tm 3358

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

Laboratory	Project Name	60308608
TriMatrix Laboratories, Inc.	**Air National Guard - BLT MAES 0001 NE PA/SI**	
Address	**Point of Contact / Phone No.**	
5560 Corporate Exchange Court	**Devon Chicoine (703) 706-0544**	
City / **Grand Rapids**	**State** / **Michigan**	**Zip Code** / **49512**
Site Contact / Phone No.	J. Christopher 315 720 4584	

Chain of Custody: 7089
Batch Mar13

Comment: #1409499

ERPIMS Information					Other Sample Information						Analysis											
LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	SVOCs (8270C) 8270 D	Dissolved Metals (6010C/6020A/7470B)	Total Metals (6010C/6020A/7470B)	Metals (6010C/6020A/7471A) SOIL	% Solids		TEST	GROUP			
TU16SB29	14.0	15.0	N	1	GA-TU16SB29-15	9/26/14	930	SO	5	1	3	1				1		0	3			-08
TU16SB29	14.0	15.0	N	1	GA-TU16SB29-15DUP	9/26/14	930	SO	5	1	3	1				1		0	2			-09
TU16SB29	14.0	15.0	N	1	GA-TU16SB29-15MS	9/26/14	930	SO	5 4	1	3	1				1		—				-
TU16SB29	14.0	15.0	N	1	GA-TU16SB29-15MSD	9/26/14	930	SO	5 4	8 1	3	1				1		—				-
TU16SB29	42.5	43.5	N	1	GA-TU16SB29-44	9/26/14	1020	SO	5	1	3	1				1		0	1			-10
TU16SB29	42.5	43.5	N	1	GA-TU16SB29-44DUP	9/26/14	1020	SO	5	1	3	1				1		0	2			-11

1. Relinquished By / Company: S. Christopher - AECOM	Date: 9/26/14	Time: 1500	1. Received By / Company: Fed Ex	Date: 9/26/14	Time: 1500
2. Relinquished By / Company	Date	Time	2. Received By / Company	Date	Time
4. Relinquished By / Company	Date	Time	4. Received By / Company	Date	Time
5. Relinquished By / Company	Date	Time	5. Received By / Company	Date: 9.27.14	Time: 0900

Comments

Shipment Method/Airbill No.: 8060 6572 7858

00093

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

ORIGIN ID:WSHA (703) 706-9407
AECOM GCP

675 N WASHINGTON ST

ALEXANDRIA, VA 223141934
UNITED STATES US

SHIP DATE: 26SEP14
ACTWGT: 39.3 LB
CAD: /POS1501
DIMS: 24x13x14 IN

BILL SENDER

TO **SAMPLE RECEIVING**
TRIMATRIX LABORATORIES
5560 CORPORATE EXCHANGE CT

GRAND RAPIDS MI 49512
(616) 846-9528 REF:
INV:
PO: DEPT:

Part # 156297-SSS-1212/4714 REV#4

FedEx Express

J142214092380126

2 of 2

MPS# 0681 7801 4423 5730

Mstr# 8060 6572 7850 0215

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO GRRA

49512
MI-US GRR

000094

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: Aecom | Work Order #: New / Add To: 1409499
Receipt Record Page/Line #: 21.3 | Project Chemist: WR | Sample #s:

Recorded by (initials/date): WC 9.27.14

☑ Cooler ☐ Box ☐ Other ____ | Qty Received: 2

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#____) | ☐ See Additional Cooler Information Form

Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is:	Observed °C	Correction Factor °C	Actual °C	3 Sample Average °C:	Cooler ID on COC?	VOC Trip Blank received?
Tm 3358	1030	☑ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☑ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☑ Yes ☐ No	☑ Representative ☐ Not Representative	Temp Blank: 3.7	-	3.7	4.2	☑	☐
							Sample 1: 4.2	-	4.2			
							Sample 2: 3.8	-	3.8			
							Sample 3: 4.6	-	4.6			
Tm 3278	1035	☑ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☑ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☑ Yes ☐ No	☑ Representative ☐ Not Representative	Temp Blank: 3.1	-	3.1	3.2	☑	☑
							Sample 1: 3.4	-	3.4			
							Sample 2: 2.9	-	2.9			
							Sample 3: 3.2	-	3.2			
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative	Temp Blank:			3 Sample Average °C:	☐	☐
							Sample 1:					
							Sample 2:					
							Sample 3:					
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative	Temp Blank:			3 Sample Average °C:	☐	☐
							Sample 1:					
							Sample 2:					
							Sample 3:					

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☑	☐	Chain of Custody record(s)? If No, Initiated By ____
☐	☐	Received for Lab Signed/Date/Time?
☐	☐	Shipping document?
☐	☑	Other ____

COC Information

☐ TriMatrix COC ☑ Other: Aecom

COC ID Numbers: 7089

Check Sample Preservation

N/A	Yes	No	
☐	☐	☑	Temperature Blank OR average sample temperature, ≥6° C?
☐	☐	☐	If either is ≥6° C, was thermal preservation required?
☐	☐	☐	If "Yes", Project Chemist Approval Initials: ____
☐	☐	☐	If "Yes" Completed Non Con Cooler - Cont Inventory Form?
☐	☐	☐	Completed Sample Preservation Verification Form?
☐	☐	☐	Samples chemically preserved correctly?
☐	☐	☐	If "No", added orange tag?
☐	☐	☐	Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check COC for Accuracy

Yes	No	
☑	☐	Analysis Requested?
☐	☐	Sample ID matches COC?
☐	☐	Sample Date and Time matches COC?
☐		Container type completed on COC?
☐	☐	All container types indicated are received?

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1 L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☐ NONE RECEIVED
☑ RECEIVED, COCs TO LAB(S)

Sample Condition Summary

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate or non-TriMatrix containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Notes

☑ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
9.27.14 0920	9.27.14 1045	Yes (No)

TRIMATRIX LABORATORIES

SAMPLE PRESERVATION VERIFICATION FORM

page 1 of 1

Client	Work Order #
Aecom	1409499
Receipt Log #	**Completed By (initials/date)**	**Project Chemist**
21.3	WC 9.27.14	LMR

COC ID #	Adjusted by: / Date:	DO NOT ADJUST pH FOR THESE CONTAINER TYPES
7090		

Container Type	5 / 23	4	13	1	3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4	HCl	None	HNO_3	HNO_3	
Expected pH	>12	<2	<2	<2	6-8	<2	<2	
COC Line #1								
COC Line #2								
COC Line #3								
COC Line #4								
COC Line #5								
COC Line #6				✓				
COC Line #7				✓				
COC Line #8								
COC Line #9								
COC Line #10								

Comments

COC ID #	Adjusted by: / Date:	DO NOT ADJUST pH FOR THESE CONTAINER TYPES

Container Type	5 / 23	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2		6-8	<2	<2	
COC Line #1								
COC Line #2								
COC Line #3								
COC Line #4								
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8								
COC Line #9								
COC Line #10								

Comments

pH Strip Reagent #

☐ 4051306

☐ _____

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

TRIMATRIX LABORATORIES

WORK ORDER 1409499

Printed: 9/30/2014 12:59:44PM

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Report To:
AECOM - Alexandria, VA
Ms. Devon Chicoine
675 N. Washington St., Suite 300
Alexandria, VA 22314
Phone: 703-706-0544
Fax: (703) 549-9134

Invoice To:
AECOM
Attn: Accounts Payable
P.O. Box 5604
Glen Allen, VA 23058-5604
Phone: ---
Fax: ---

Package Due Date:	**Oct-20-14 23:00**			
W.O. Due Date:	**Oct-16-14 23:00 (13 day TAT)**		Report Level:	**4DOD**
Date Received:	Sep-27-14 09:20	4.2°C	Received By:	William D. Cole
Date Logged In:	Sep-30-14 00:42		Logged In By:	Donna M. Nardin
W.O. Comments:	*4DOD, QSM v4.2, client MS/MSD, further samples expected with additional MS/MSDs, and SDG 50094-12 is OPEN. #321-Green*			

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409499-01 EQC-TB092614IC-001 [Water]				TB (second vial is back-up)
Sampled Sep-26-14 12:00 Eastern by TriMatrix				
8260C DoD VOAs plus custom	Oct-13-14 17:00	10	Oct-10-14 12:00	
1409499-02 GA-TU16SB30-08 [Soil]				
Sampled Sep-26-14 11:45 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-13-14 17:00	10	Oct-10-14 11:45	
8260C DoD VOAs plus custom (High)	Oct-13-14 17:00	10	Oct-10-14 11:45	
8270D DoD SVOCs plus custom	Oct-13-14 17:00	10	Oct-10-14 11:45	
Solids, Total 3550B (%)	Oct-13-14 17:00	10	Oct-10-14 11:45	
1409499-03 GA-TU16SB31-08 [Soil]				
Sampled Sep-26-14 12:05 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-13-14 17:00	10	Oct-10-14 12:05	
8260C DoD VOAs plus custom (High)	Oct-13-14 17:00	10	Oct-10-14 12:05	
8270D DoD SVOCs plus custom	Oct-13-14 17:00	10	Oct-10-14 12:05	
Solids, Total 3550B (%)	Oct-13-14 17:00	10	Oct-10-14 12:05	
1409499-04 GA-TU16SB32-17 [Soil]				
Sampled Sep-26-14 12:50 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-13-14 17:00	10	Oct-10-14 12:50	
8260C DoD VOAs plus custom (High)	Oct-13-14 17:00	10	Oct-10-14 12:50	
8270D DoD SVOCs plus custom	Oct-13-14 17:00	10	Oct-10-14 12:50	
Solids, Total 3550B (%)	Oct-13-14 17:00	10	Oct-10-14 12:50	
1409499-05 GA-TU16SB33-10 [Soil]				
Sampled Sep-26-14 13:00 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-13-14 17:00	10	Oct-10-14 13:00	
8260C DoD VOAs plus custom (High)	Oct-13-14 17:00	10	Oct-10-14 13:00	
8270D DoD SVOCs plus custom	Oct-13-14 17:00	10	Oct-10-14 13:00	

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1409499-05 GA-TU16SB33-10 [Soil]				
Sampled Sep-26-14 13:00 Eastern by AECOM				
Solids, Total 3550B (%)	Oct-13-14 17:00	10	Oct-10-14 13:00	
1409499-06 GA-TU16GW29-01 [Water]				
Sampled Sep-26-14 10:55 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-13-14 17:00	10	Oct-10-14 10:55	
8270D DoD SVOCs plus custom	Oct-13-14 17:00	10	Oct-03-14 10:55	
1409499-07 FQC-EB092614JC-001 [Water]				Equipment Blank
Sampled Sep-26-14 09:00 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-13-14 17:00	10	Oct-10-14 09:00	
8270D DoD SVOCs plus custom	Oct-13-14 17:00	10	Oct-03-14 09:00	
1409499-08 GA-TU16SB29-15 [Soil]				Client MS/MSD
Sampled Sep-26-14 09:30 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-13-14 17:00	10	Oct-10-14 09:30	
8260C DoD VOAs plus custom (High)	Oct-13-14 17:00	10	Oct-10-14 09:30	
8270D DoD SVOCs plus custom	Oct-13-14 17:00	10	Oct-10-14 09:30	
Solids, Total 3550B (%)	Oct-13-14 17:00	10	Oct-10-14 09:30	
1409499-09 GA-TU16SB29-15DUP [Soil]				Field Duplicate
Sampled Sep-26-14 09:30 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-13-14 17:00	10	Oct-10-14 09:30	
8260C DoD VOAs plus custom (High)	Oct-13-14 17:00	10	Oct-10-14 09:30	
8270D DoD SVOCs plus custom	Oct-13-14 17:00	10	Oct-10-14 09:30	
Solids, Total 3550B (%)	Oct-13-14 17:00	10	Oct-10-14 09:30	
1409499-10 GA-TU16SB29-44 [Soil]				
Sampled Sep-26-14 10:20 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-13-14 17:00	10	Oct-10-14 10:20	
8260C DoD VOAs plus custom (High)	Oct-13-14 17:00	10	Oct-10-14 10:20	
8270D DoD SVOCs plus custom	Oct-13-14 17:00	10	Oct-10-14 10:20	
Solids, Total 3550B (%)	Oct-13-14 17:00	10	Oct-10-14 10:20	
1409499-11 GA-TU16SB29-44DUP [Soil]				Field Duplicate
Sampled Sep-26-14 10:20 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-13-14 17:00	10	Oct-10-14 10:20	
8260C DoD VOAs plus custom (High)	Oct-13-14 17:00	10	Oct-10-14 10:20	
8270D DoD SVOCs plus custom	Oct-13-14 17:00	10	Oct-10-14 10:20	
Solids, Total 3550B (%)	Oct-13-14 17:00	10	Oct-10-14 10:20	

TM 2920 E: 1410014

#1

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

Laboratory	Project Name	60308608
TriMatrix Laboratories, Inc.	**Air National Guard - BLT MAES 0001 NE PA/SI**	
Address	**Point of Contact / Phone No.**	
5560 Corporate Exchange Court	**Devon Chicoine (703) 706-0544**	
City / **State** / **Zip Code**	**Site Contact / Phone No.**	
Grand Rapids / **Michigan** / **49512**	Jennifer Christoffel / 631-871-4593	

Chain of Custody: 7091
Batch Mar13

25-10
Cart 9 B
Cooler
Rack Lab White
#194-B
Comment #64-B

	ERPIMS Information					Other Sample Information						Analysis												
	LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	SVOCs (8270C)	Dissolved Metals (6010C/6020A/7470B)	Total Metals (6010C/6020A/7470B)	Metals (6010C/6020A/7471A) SOIL		TEST GROUP						
1.	TW0135B08	11.5	15.0	N	1	GA-TW135B8-15	9/29/14	9:20	SO	4	1	X	X					0	1					
2.	TW0135B08	32.0	34.0	N	1	GA-TW135B8-34		9:41		4	1	X	X					0	1					
3.	TW0135B09	15.0	20.0	N	1	GA-TW135B~~8~~9-20		11:11		4	1	X	X					0	1					
4.	TW0135B09	32.0	34.0	N	1	GA-TW135B9-34		11:26		4	1	X	X					0	1					
5.	TW0135B10	10.0	15.0	N	1	GA-TW135B10-15		13:13		4	1	X	X					0	1					
6.	TW0135B10	32.0	34.0	N	1	GA-TW135B10-34		13:37		4	1	X	X					0	1					
7.	TW0135B11	15.0	20.0	N	1	GA-TW135B11-20		14:19		4	1	X	X					0	1					
8.	TW0135B11	32.0	34.0	N	1	GA-TW135B11-34		14:36		4	1	X	X					0	1					
9.	TW0135B08	-	-	N	1	GA-TW13GW08-01		10:35	WG	5	1	X	X					0	5					
10.	TW0135B09	-	-	N	1	GA-TW13GW09-01		11:50	WG	5	1	X	X					0	5					
11.	Field QC	-	-	TB	1	~~Trip Blank~~ JC FQC-TB092914-JC-001	9-29-14	10:02	WQ	3	1	X	X					0	4					

1. Relinquished By / Company: Jennifer Christoffel / AECOM	Date: 9-29-14	Time: 17:15	1. Received By / Company: Transfer to FED EX	Date: 9-29-14	Time: 17:30
2. Relinquished By / Company	Date	Time	2. Received By / Company	Date	Time
4. Relinquished By / Company	Date	Time	4. Received By / Company: [signature] TriMatrix	Date: 9/30/14	Time: 0840
5. Relinquished By / Company	Date	Time	5. Received By / Company	Date	Time

Comments

Shipment Method/Airbill No.

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

0000000

00104

00152

FedEx Express Package US Airbill

FedEx Tracking Number 8060 6572 7860

Form ID No. 0215

1 From

Date 9-29-14

Sender's Name Jennifer Christoffel Phone 703 549-8728

Company AECOM GCP

Address 575 N WASHINGTON ST Dept/Floor/Suite/Room

City ALEXANDRIA State VA ZIP 22314-1934

2 Your Internal Billing Reference 60308609

3 To

Recipient's Name SAMPLE RECEIVING Phone 616 846-9528

Company TRIMATRIX LABORATORIES

Address 5560 CORPORATE EXCHANGE COURT Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

*Use this line for the HOLD location address or for continuation of your shipping address.

City GRAND RAPIDS State MI ZIP 49512

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0114712282

8060 6572 7860

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. *For packages over 150 lbs., use the FedEx Express Freight US Airbill.*

Next Business Day

- FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging

FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Options

SATURDAY Delivery NOT available for FedEx Standard Overnight

No Signature Required — Package may be left without obtaining a signature for delivery.

Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods? One box must be checked.

No | Yes As per attached Shipper's Declaration. | Yes Shipper's Declaration not required. | Dry Ice Dry Ice, 9, UN 1845 x ____ kg

Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain recip Acct. No.

Sender Acct. No. in Section 1 will be billed. | Recipient | Third Party | Credit Card | Cash/Check

Total Packages Total Weight lbs. Credit Card Auth.

611

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

Rev. Date 2/12 • Part #163134 • ©1994–2012 FedEx • PRINTED IN U.S.A. SRS

fedex.com 1.800.GoFedEx 1.800.463.3339

fedex.com 1.800.GoFedEx 1.800.463.3339

Lift Using This Tag

Align FedEx Pouch Here

000100

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: Aecom | Work Order #: 1410014
Receipt Record Page/Line #: 25-10 | New / Add To | Project Chemist: [illegible] | Sample #s

Recorded by (initials/date): LR 9/30/14

Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____) ☐ See Additional Cooler Information Form

Cooler # TM2920 — Time 1200

Custody Seals: ☑ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Type: ☑ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None

Coolant Location: (Dispersed) / Top / Middle / Bottom

Temp Blank Present: ☑ Yes ☐ No

If Present, Temperature Blank Location is: ☑ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	1.6	-	1.6
Sample 1:	4.6	-	4.6
Sample 2:	3.6	-	3.6
Sample 3:	2.2	-	2.2

3 Sample Average °C: 3.5

☑ Cooler ID on COC? ☑ VOC Trip Blank received?

Cooler # _____ — Time _____

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Type: ☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None

Coolant Location: Dispersed / Top / Middle / Bottom

Temp Blank Present: ☐ Yes ☐ No

If Present, Temperature Blank Location is: ☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C: _____

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler # _____ — Time _____

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Type: ☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None

Coolant Location: Dispersed / Top / Middle / Bottom

Temp Blank Present: ☐ Yes ☐ No

If Present, Temperature Blank Location is: ☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C: _____

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler # _____ — Time _____

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Type: ☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None

Coolant Location: Dispersed / Top / Middle / Bottom

Temp Blank Present: ☐ Yes ☐ No

If Present, Temperature Blank Location is: ☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C: _____

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☑	☐	Chain of Custody record(s)? If No, Initiated By _____
☑		Received for Lab Signed/Date/Time?
☑	☐	Shipping document?
☐	☑	Other _____

COC Information

☐ TriMatrix COC ☑ Other Aecom - 7091

COC ID Numbers:

Check Sample Preservation

N/A	Yes	No	
	☐	☑	Temperature Blank OR average sample temperature, ≥6° C?
☑	☐	☐	If either is ≥6° C, was thermal preservation required?
☑	☐		If "Yes", Project Chemist Approval Initials: _____
☑	☐		If "Yes" Completed Non Con Cooler - Cont Inventory Form?
	☑		Completed Sample Preservation Verification Form?
	☑		Samples chemically preserved correctly?
☑			If "No", added orange tag?
		☑	Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check COC for Accuracy

Yes	No	
☑	☐	Analysis Requested?
☑		Sample ID matches COC?
☑		Sample Date and Time matches COC?
☑		Container type completed on COC?
☑		All container types indicated are received?

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1 L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Sample Condition Summary

N/A	Yes	No	
	☑	☐	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate or non-TriMatrix containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
9/30/14 0840	9/30/14 1200	Yes (No)

000101

TRIMATRIX LABORATORIES

SAMPLE RECEIVING NON-CONFORMANCE REPORT

Client: Aecom | Work Order #: 1410014

Receipt Log #: 25-10 | Completed By (initials/date): LR 9/30/14 | Project Chemist: CWR

List non-conformance issues associated with this work order in the chart below/left. Identify discrepancies between the COC and sample tags in the chart below/right. Add comments as needed.

COC ID #	Line #	Type of Problem										COC					Sample Tag					Line Item Comments
		Discrepancy	Missing Container	Broken Container	Label Missing / Incomplete	Label Illegible	Low Volume	Inappropriate Container	Headspace	Not Listed on COC	Preservation	Sample Field ID	Date Sampled	Time Sampled	Container Type	Qty	Sample Field ID	Date Sampled	Time Sampled	Container Type	Qty	
7091	9			✓	✓							GA-TU13GW08-01	9/29/14	1035	1	1/3						

General Comments:

Project Chemist (initials/date): CWR 9/30/14

000102

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Report To:
AECOM - Alexandria, VA
Ms. Devon Chicoine
675 N. Washington St., Suite 300
Alexandria, VA 22314
Phone: 703-706-0544
Fax: (703) 549-9134

Invoice To:
AECOM
Attn: Accounts Payable
P.O. Box 5604
Glen Allen, VA 23058-5604
Phone: ---
Fax: ---

Package Due Date:	**Oct-20-14 23:00**			
W.O. Due Date:	**Oct-16-14 23:00 (12 day TAT)**		Report Level:	**4DOD**
Date Received:	Sep-30-14 08:40	3.5°C	Received By:	Linda M. Romeyn
Date Logged In:	Oct-01-14 14:32		Logged In By:	William D. Cole
W.O. Comments:	*4DOD, QSM v4.2, no client MS/MSD, further samples expected, and SDG 50094-12 is OPEN. VOC Rack #66W*			

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1410014-01 GA-TU13SB8-15 [Soil] *Sampled Sep-29-14 09:20 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-14-14 17:00	10	Oct-13-14 09:20	
8260C DoD VOAs plus custom (High)	Oct-14-14 17:00	10	Oct-13-14 09:20	
8270D DoD SVOCs plus custom	Oct-14-14 17:00	10	Oct-13-14 09:20	
Solids, Total 3550B (%)	Oct-14-14 17:00	10	Oct-13-14 09:20	
1410014-02 GA-TU13SB8-34 [Soil] *Sampled Sep-29-14 09:41 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-14-14 17:00	10	Oct-13-14 09:41	
8260C DoD VOAs plus custom (High)	Oct-14-14 17:00	10	Oct-13-14 09:41	
8270D DoD SVOCs plus custom	Oct-14-14 17:00	10	Oct-13-14 09:41	
Solids, Total 3550B (%)	Oct-14-14 17:00	10	Oct-13-14 09:41	
1410014-03 GA-TU13SB9-20 [Soil] *Sampled Sep-29-14 11:11 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-14-14 17:00	10	Oct-13-14 11:11	
8260C DoD VOAs plus custom (High)	Oct-14-14 17:00	10	Oct-13-14 11:11	
8270D DoD SVOCs plus custom	Oct-14-14 17:00	10	Oct-13-14 11:11	
Solids, Total 3550B (%)	Oct-14-14 17:00	10	Oct-13-14 11:11	
1410014-04 GA-TU13SB9-34 [Soil] *Sampled Sep-29-14 11:26 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-14-14 17:00	10	Oct-13-14 11:26	
8260C DoD VOAs plus custom (High)	Oct-14-14 17:00	10	Oct-13-14 11:26	
8270D DoD SVOCs plus custom	Oct-14-14 17:00	10	Oct-13-14 11:26	
Solids, Total 3550B (%)	Oct-14-14 17:00	10	Oct-13-14 11:26	
1410014-05 GA-TU13SB10-15 [Soil] *Sampled Sep-29-14 13:13 Eastern by AECOM*				

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1410014-05 GA-TU13SB10-15 [Soil]				
Sampled Sep-29-14 13:13 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-14-14 17:00	10	Oct-13-14 13:13	
8260C DoD VOAs plus custom (High)	Oct-14-14 17:00	10	Oct-13-14 13:13	
8270D DoD SVOCs plus custom	Oct-14-14 17:00	10	Oct-13-14 13:13	
Solids, Total 3550B (%)	Oct-14-14 17:00	10	Oct-13-14 13:13	
1410014-06 GA-TU13SB10-34 [Soil]				
Sampled Sep-29-14 13:37 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-14-14 17:00	10	Oct-13-14 13:37	
8260C DoD VOAs plus custom (High)	Oct-14-14 17:00	10	Oct-13-14 13:37	
8270D DoD SVOCs plus custom	Oct-14-14 17:00	10	Oct-13-14 13:37	
Solids, Total 3550B (%)	Oct-14-14 17:00	10	Oct-13-14 13:37	
1410014-07 GA-TU13SB11-20 [Soil]				
Sampled Sep-29-14 14:19 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-14-14 17:00	10	Oct-13-14 14:19	
8260C DoD VOAs plus custom (High)	Oct-14-14 17:00	10	Oct-13-14 14:19	
8270D DoD SVOCs plus custom	Oct-14-14 17:00	10	Oct-13-14 14:19	
Solids, Total 3550B (%)	Oct-14-14 17:00	10	Oct-13-14 14:19	
1410014-08 GA-TU13SB11-34 [Soil]				
Sampled Sep-29-14 14:36 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-14-14 17:00	10	Oct-13-14 14:36	
8260C DoD VOAs plus custom (High)	Oct-14-14 17:00	10	Oct-13-14 14:36	
8270D DoD SVOCs plus custom	Oct-14-14 17:00	10	Oct-13-14 14:36	
Solids, Total 3550B (%)	Oct-14-14 17:00	10	Oct-13-14 14:36	
1410014-09 GA-TU13GW08-01 [Water]				
Sampled Sep-29-14 10:35 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-14-14 17:00	10	Oct-13-14 10:35	
8270D DoD SVOCs plus custom	Oct-14-14 17:00	10	Oct-06-14 10:35	
1410014-10 GA-TU13GW09-01 [Water]				
Sampled Sep-29-14 11:50 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-14-14 17:00	10	Oct-13-14 11:50	
8270D DoD SVOCs plus custom	Oct-14-14 17:00	10	Oct-06-14 11:50	
1410014-11 FQC-TB092914JC-001 [Water]				TB (second vial is back-up)
Sampled Sep-29-14 10:02 Eastern by TriMatrix				
8260C DoD VOAs plus custom	Oct-14-14 17:00	10	Oct-13-14 10:02	

TRIMATRIX LABORATORIES

5560 Corporate Exchange Court SE
Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 148903

Pg. 1 of 1

For Lab Use Only
Cart: 3
VOA Rack/Tray: Lilac2 White
Receipt Log No.: 27-14
Project Chemist: CS
Work Order No.: 14100825

Client Name: AECOM
Address: 675 N. Washington Street
City, State Zip: Alexandria, Virginia 22314
Phone/Fax: 703.706.0543
Email: Amanda.Martin@aecom.com

Project Name: Gabreski
Client Project No. / P.O. No.: 60308608
Invoice To: ☑ Client ☐ Other (comments)
Contact/Report To: Amanda Martin

Analyses Requested

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Schedule	Matrix Code	Sample Number		Field Sample ID	Cooler ID (TM 3228)	Sample Date	Sample Time	COMP	GRAB	Matrix	VOCs (8260C)	SVOCs (8270D)	Container Type (corresponds to Container Packing List)	Total	Sample Comments
				Number of Containers Submitted →											
01	SO	01	1	GA-TU13SB12-15	1	9-30-14	9:14		X	SO	X	X		4	SBD:12 SED:14.5 SA:N SH#1
01	SO	02	2	GA-TU13SB12-34	1		9:41		X		X	X		4	SBD:34 SED:N SA:N SH#1
01	SO	03	3	GA-TU13SB13-20	1		10:34		X		X	X		4	SBD:15 SED:20 SA:N SH#1
01	SO	04	4	GA-TU13SB13-34	1		10:57		X		X	X		4	SBD:32 SED:34 SA:N SH#1
01	SO	05	5	GA-TU13SB14-5	1		12:59		X		X	X		4	SBD:10 SED:15 SA:N SH#1
01	SO	06	6	GA-TU13SB14-34	1		13:21		X		X	X		4	SBD:32 SED:34 SA:N SH#1
02	SO	07	7	GA-TU13SB14-DUP	1		—		X		X	X		4	SBD:NA SED:NA SA:N FD SH#1
05	WG	08	8	GA-TU13GW12-01	1		9:54		X	WG	X	X		5	SBD:NA SED: SA:N FD SH#1
05	WG	09	9	GA-TU13GW13-01	1		11:15		X	WG	X	X		5	SBD:NA SED:NA SA:N SH#1
04	WQ	10	10	FQC-TB093014-JC-001	1	—	12:20		X	WQ	X	X		2	SA-TB SH#1

Sampled By (print): Jennifer Christoffel
How Shipped? Fed Ex Hand ___ Carrier ___
Sampler's Signature: J. Christoffel
Tracking No.: 8060 6572 7941
Company: AECOM

1. Relinquished By: J. Christoffel Date: 9/30/14 Time: 16:00
1. Received By: Date: Time:

2. Relinquished By: Transfer to Fed Ex Date: 9/30/14 Time: 16:00
2. Received By: Date: Time:

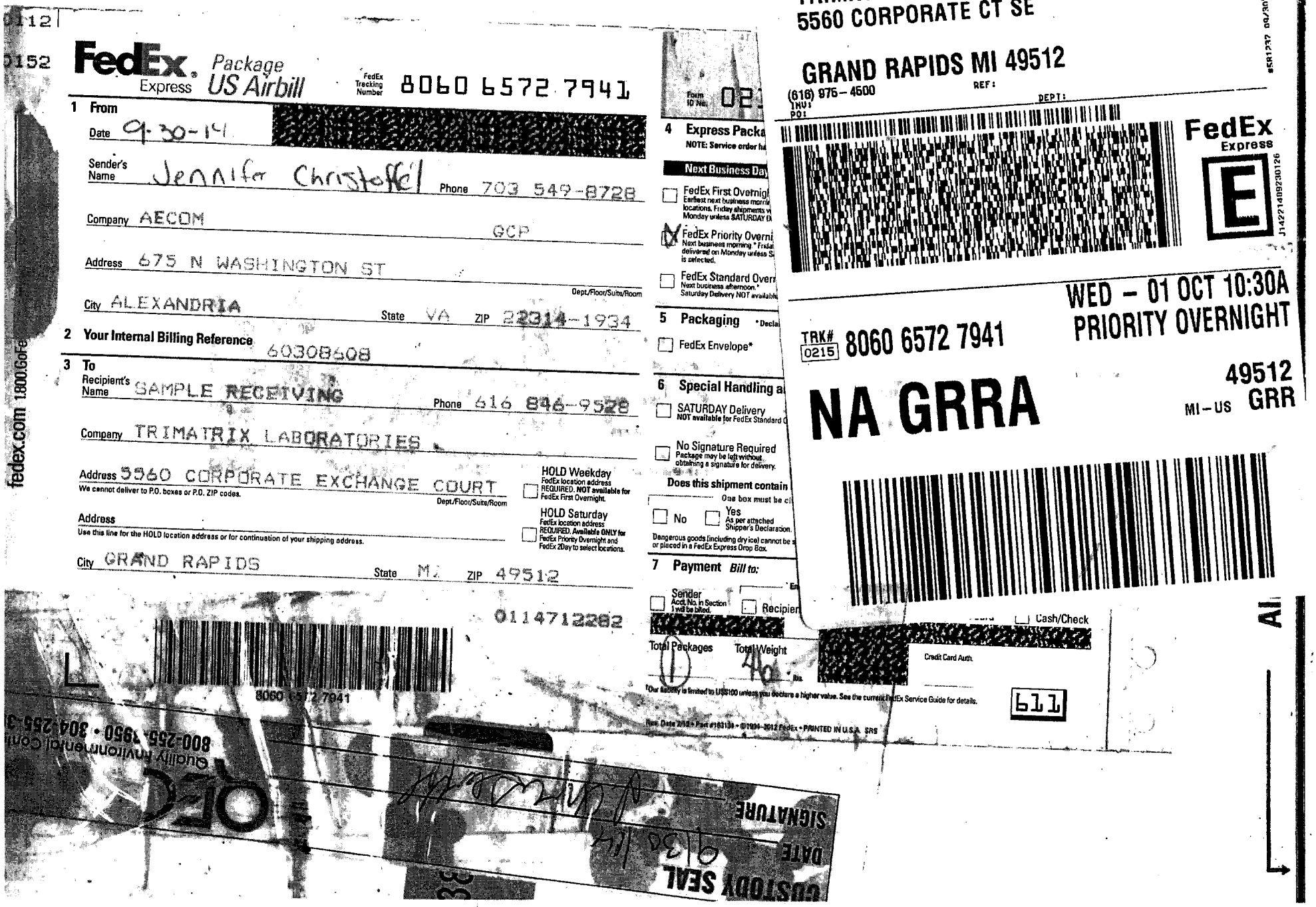
3. Relinquished By: Date: Time:
3. Received For Lab By: Date: 10/1/14 Time: 0920

Comments:
SBD - sample beginning depth
SED - sample end depth
SA - Sample Type
SH - Sample #

If any questions call Jennifer at 631-871-0593

WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

00811805



FedEx Express Package US Airbill

FedEx Tracking Number 8060 6572 7941

1 From

Date 9-30-14

Sender's Name Jennifer Christoffel Phone 703 549-8728

Company AECOM GCP

Address 675 N WASHINGTON ST

Dept./Floor/Suite/Room

City ALEXANDRIA State VA ZIP 22314-1934

2 Your Internal Billing Reference 60308608

3 To

Recipient's Name SAMPLE RECEIVING Phone 616 846-9528

Company TRIMATRIX LABORATORIES

Address 5560 CORPORATE EXCHANGE COURT

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City GRAND RAPIDS State MI ZIP 49512

0114712282

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Packa

NOTE: Service order ha

Next Business Day

FedEx First Overnig

Earliest next business morning locations. Friday shipments v Monday unless SATURDAY D

FedEx Priority Overni

Next business morning. * Friday delivered on Monday unless S is selected.

FedEx Standard Overn

Next business afternoon. * Saturday Delivery NOT available

5 Packaging *Declai

FedEx Envelope*

6 Special Handling a

SATURDAY Delivery NOT available for FedEx Standard O

No Signature Required Package may be left without obtaining a signature for delivery.

Does this shipment contain

One box must be ch

No Yes As per attached Shipper's Declaration.

Dangerous goods (including dry ice) cannot be s or placed in a FedEx Express Drop Box.

7 Payment Bill to:

Sender Acct. No. in Section 1 will be billed. Recipien

Cash/Check

Total Packages 1 Total Weight 40 lbs.

Credit Card Auth.

611

*Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

Rev. Date 7/14 • Part #163139 • ©1994-2012 FedEx • PRINTED IN U.S.A. SRS

fedex.com 1.800.Go

800-255-1950 • 304-255-3

Quality Environmental Cont

CUSTODY SEAL

DATE 9/30 17

SIGNATURE

ORIGIN ID:WSHA (703) 706-9407 GCP
AECOM
675 N WASHINGTON ST
ALEXANDRIA, VA 223141934
UNITED STATES US

SHIP DATE: 30SEP14
ACTWGT: 46.1 LB
CAD: /POS1501
DIMS: 24x13x13 IN
BILL SENDER

TO SAMPLE RECEIVING
TRIMATRIX CORPORATE EXCHANGE
5560 CORPORATE CT SE

GRAND RAPIDS MI 49512

(616) 975-4500 REF:
INV:
PO: DEPT:

FedEx Express

J14271409230126

TRK# 0215 8060 6572 7941

WED - 01 OCT 10:30A
PRIORITY OVERNIGHT

NA GRRA

49512
MI-US GRR

000106

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: Aecom-Gabreski | Work Order #: 14ID025
Receipt Record Page/Line #: 27-14 | New / Add To | Project Chemist: WR | Sample #s

Recorded by (initials/date): JR 10/1/14

Cooler ☑ | Box ☐ | Other ☐ | Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____) ☐ See Additional Cooler Information Form

Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is:
3228	1216	☐ None ☑ Present / Intact ☐ Present / Not Intact	☑ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	(Dispersed) / Top / Middle / Bottom	☑ Yes ☐ No	☑ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	2.7	-	2.7
Sample 1:	3.4	-	3.4
Sample 2:	4.9	-	4.9
Sample 3:	5.2	-	5.2

3 Sample Average °C: 4.5

☑ Cooler ID on COC? ☑ VOC Trip Blank received?

Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is:
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C:

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is:
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C:

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is:
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C:

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☑	☐	Chain of Custody record(s)? If No, Initiated By _____
☑		Received for Lab Signed/Date/Time?
☑	☐	Shipping document?
☐	☑	Other _____

COC Information

☑ TriMatrix COC ☐ Other 148903

COC ID Numbers:

Check COC for Accuracy

Yes	No	
☑	☐	Analysis Requested?
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate or non-TriMatrix containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☐	☑	Temperature Blank OR average sample temperature, ≥6° C?
☑	☐	☐	If either is ≥6° C, was thermal preservation required?
☑	☐		If "Yes", Project Chemist Approval Initials: _____
☑	☐		If "Yes" Completed Non Con Cooler - Cont Inventory Form?
☐	☑		Completed Sample Preservation Verification Form?
☐	☑		Samples chemically preserved correctly?
☑	☐		If "No", added orange tag?
	☐	☑	Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1 L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
10/1/14 0900	10/1/14 1235	Yes (No)

000107

TRIMATRIX LABORATORIES

SAMPLE RECEIVING NON-CONFORMANCE REPORT

Client	Work Order #
AECOM	1410025
Receipt Log #	**Completed By (initials/date)**
27-14	WSR 10/1/14
	Project Chemist
	WSR

List non-conformance issues associated with this work order in the chart below/left. Identify discrepancies between the COC and sample tags in the chart below/right. Add comments as needed.

COC ID #	Line #	Type of Problem										COC					Sample Tag					Line Item Comments
		Discrepancy	Missing Container	Broken Container	Label Missing / Incomplete	Label Illegible	Low Volume	Inappropriate Container	Headspace	Not Listed on COC	Preservation	Sample Field ID	Date Sampled	Time Sampled	Container Type	Qty	Sample Field ID	Date Sampled	Time Sampled	Container Type	Qty	
148903	1-17	✓																				

General Comments:

The total number of containers submitted, per sample, is listed on the field cx as 4 for soils. Each soil sample received had 5 containers

Project Chemist (initials/date)

WSR 10/1/14

000108

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Report To:
AECOM - Alexandria, VA
Ms. Devon Chicoine
675 N. Washington St., Suite 300
Alexandria, VA 22314
Phone: 703-706-0544
Fax: (703) 549-9134

Invoice To:
AECOM
Attn: Accounts Payable
P.O. Box 5604
Glen Allen, VA 23058-5604
Phone: ---
Fax: ---

Package Due Date:	**Oct-20-14 23:00**			
W.O. Due Date:	**Oct-16-14 23:00 (11 day TAT)**		Report Level:	**4DOD**
Date Received:	Oct-01-14 09:00	4.5°C	Received By:	William D. Cole
Date Logged In:	Oct-02-14 00:40		Logged In By:	Donna M. Nardin
W.O. Comments:	*4DOD, QSM v4.2, no client MS/MSD, these MAY be the last samples from the site, and SDG 50094-12 MIGHT be CLOSED.*			
	#662-White,80&150 Blue			

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1410025-01 GA-TU13SB12-15 [Soil]				
Sampled Sep-30-14 09:14 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-14-14 09:14	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-14-14 09:14	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-14-14 09:14	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-14-14 09:14	
1410025-02 GA-TU13SB12-34 [Soil]				
Sampled Sep-30-14 09:41 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-14-14 09:41	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-14-14 09:41	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-14-14 09:41	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-14-14 09:41	
1410025-03 GA-TU13SB13-20 [Soil]				
Sampled Sep-30-14 10:34 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-14-14 10:34	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-14-14 10:34	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-14-14 10:34	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-14-14 10:34	
1410025-04 GA-TU13SB13-34 [Soil]				
Sampled Sep-30-14 10:57 Eastern by AECOM				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-14-14 10:57	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-14-14 10:57	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-14-14 10:57	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-14-14 10:57	
1410025-05 GA-TU13SB14-15 [Soil]				
Sampled Sep-30-14 12:59 Eastern by AECOM				

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1410025-05 GA-TU13SB14-15 [Soil] *Sampled Sep-30-14 12:59 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-14-14 12:59	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-14-14 12:59	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-14-14 12:59	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-14-14 12:59	
1410025-06 GA-TU13SB14-34 [Soil] *Sampled Sep-30-14 13:21 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-14-14 13:21	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-14-14 13:21	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-14-14 13:21	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-14-14 13:21	
1410025-07 GA-TU13SB14-34DUP [Soil] *Sampled Sep-30-14 00:00 Eastern by AECOM*				**Field Duplicate**
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-14-14 00:00	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-14-14 00:00	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-14-14 00:00	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-14-14 00:00	
1410025-08 GA-TU13GW12-01 [Water] *Sampled Sep-30-14 09:54 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-14-14 09:54	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-07-14 09:54	
1410025-09 GA-TU13GW13-01 [Water] *Sampled Sep-30-14 11:15 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-14-14 11:15	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-07-14 11:15	
1410025-10 FQC-TB093014JC-001 [Water] *Sampled Sep-30-14 12:20 Eastern by TriMatrix*				**TB (second vial is back-up)**
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-14-14 12:20	

TM 3003

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

WO# 1410085

AECOM

Laboratory	Project Name	Chain of Custody
TriMatrix Laboratories, Inc.	**Air National Guard-BLT MAES 0001 NE PA/SI**	**10018**
Address	**Point of Contact / Phone No.**	Batch Mar13
5560 Corporate Exchange Court	**Devon Chicoine (703) 706-0544**	Cart 11 29-14
City / **State** / **Zip Code**	**Site Contact / Phone No.**	116 White Na_2SO_4
Grand Rapids / **Michigan** / **49512**	Jennifer Christoffel (631) 871-0573	417 White MeOH
		532 Red WTR

ERPIMS Information					Other Sample Information						Analysis										
	LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (LIQUID)	SVOCs (LIQUID)	Metals/Mercury (LIQUID)	Flashpoint/pH (LIQUID)	Sulfide (LIQUID)	Cyanide (LIQUID)	~~TCLP VOCs (SOIL)~~ VOC (Total) per AECOM	~~TCLP SVOCs/Metals (SOIL)~~ SVOC (Total) per AECOM	~~Reactivity/Corrosivity/Ignitability/Paint Filter (SOIL)~~	TEST GROUP 4	Comment
01	TU017SB34	10	15	N	1	GA-TU17SB34-15	10-1-14	9:10	SO	4	1	~~X~~	~~X~~	~~X~~ SO				X	X	0	1	#17 500ml.
02	TU017SB34	35	37	N	1	GA-TU17SB34-37		9:36	↓	4	1							X	X	0	1	w/ teracore
03	TU017GW34	-	-	N	1	GA-TU17GW34-01		9:55	WG	5	1	X	X							0	5	
04	TU017SB35	10	15	N	1	GA-TU17SB35-15		10:10	SO	4	1							X	X	0	1	
05	TU017SB36	15	20	N	1	GA-TU17SB36-20		11:10	↓	4	1							X	X	0	1	
06	TU017SB38	10	15	N	1	GA-TU17SB38-15		11:40	↓	4	1							X	X	0	1	
07	FQC	—	-	TB	1	FQC-TB1014-JC-001		10:00	WQ	2	1	X	X	WQ						0	4	NO TB for SVOC WQ
08	TU017SB34	—	-	FD	1	GA-TU17SB34-DUP		—	SO	4	1							X	X	0	2	
09	TU017SB38	-	-	FD	1	GA-TU17SB38-DUP	↓	—	SO	4	1							X	X	0	2	

	Date	Time		Date	Time
1. Relinquished By / Company: J. Christoffel / AECOM	10-1-14	15:00	1. Received By / Company: Transfer to FED EX	10-1-14	15:00
2. Relinquished By / Company	Date	Time	2. Received By / Company	Date	Time
3. Relinquished By / Company	Date	Time	3. Received By / Company: Trimatrix	10/2/14	0830
4. Relinquished By / Company	Date	Time	4. Received By / Company	Date	Time

Comments

Shipment Method/Airbill No.

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

000111

M 3003

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

Laboratory: TriMatrix Laboratories, Inc.

Project Name: 0001 NE PA/SI

Address: 5560 Corporate Exchange Court

06-0544

City: Grand Rapids | State: Michigan | Zip Code: 49512

Site Contact / Phone No.: Jennifer Christoffel 616-871-0513

Chain of Custody: 10018

Batch Mar13

ALL Soil Samples on this COC should be analyzed for:
VOCs (8260C),
% Moisture , and
SVOCs (8270D)

Groundwater samples should be analyzed for:
VOCs (8260C),
SVOCs (8270D)

The Trip Blank should be analyzed for:
VOCs (8260C) ONLY

Cart 11 29.14
116 White $Na_2S_2O_3$
417 White MeoH
532 Red WTR

ERPIMS Information					Other Sample Information						Analysis										
LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (LIQUID)	SVOCs (LIQUID)	Metals/Mercury	Flashpoint/pH (L	Sulfide (LIQUID)	Cyanide (LIQUID)	TCLP VOCs (SC	TCLP SVOCs/M	Reactvty/Corros	nt Filter (SOIL)	Comment
TU017SB34	10	15	N	1	GA-TU17SB34-15	10-1-14	9:10	SO	4	1	X	X	X				X	X			#17 500ml.
TU017SB34	35	37	N	1	GA-TU17SB34-37		9:36	"	4	1							X	X			w/ teracore
TU017GW34	-	-	N	1	GA-TU17GW34-01		9:55	WG	5	1	X	X									
TU017SB35	10	15	N	1	GA-TU17SB35-15		10:10	SO	4	1											
TU017SB36	15	20	N	1	GA-TU17SB36-20		11:10	"	4	1											
TU017SB38	10	15	N	1	GA-TU17SB38-15		11:40	"	4	1							X	X			
Field QC	-	-	TB	1	FQC-TB100114JC-001		10:00	WQ	2	1	X	X									
TU017SB34	-	-	FD	1	GA-TU017SB34-37DUP		-	SO	4	1							X	X			0936 hrs. per AECOM
TU017SB38	-	-	FD	1	GA-TU017SB38-15DUP		-	SO	4	1							X	X			1140 hrs per AECOM

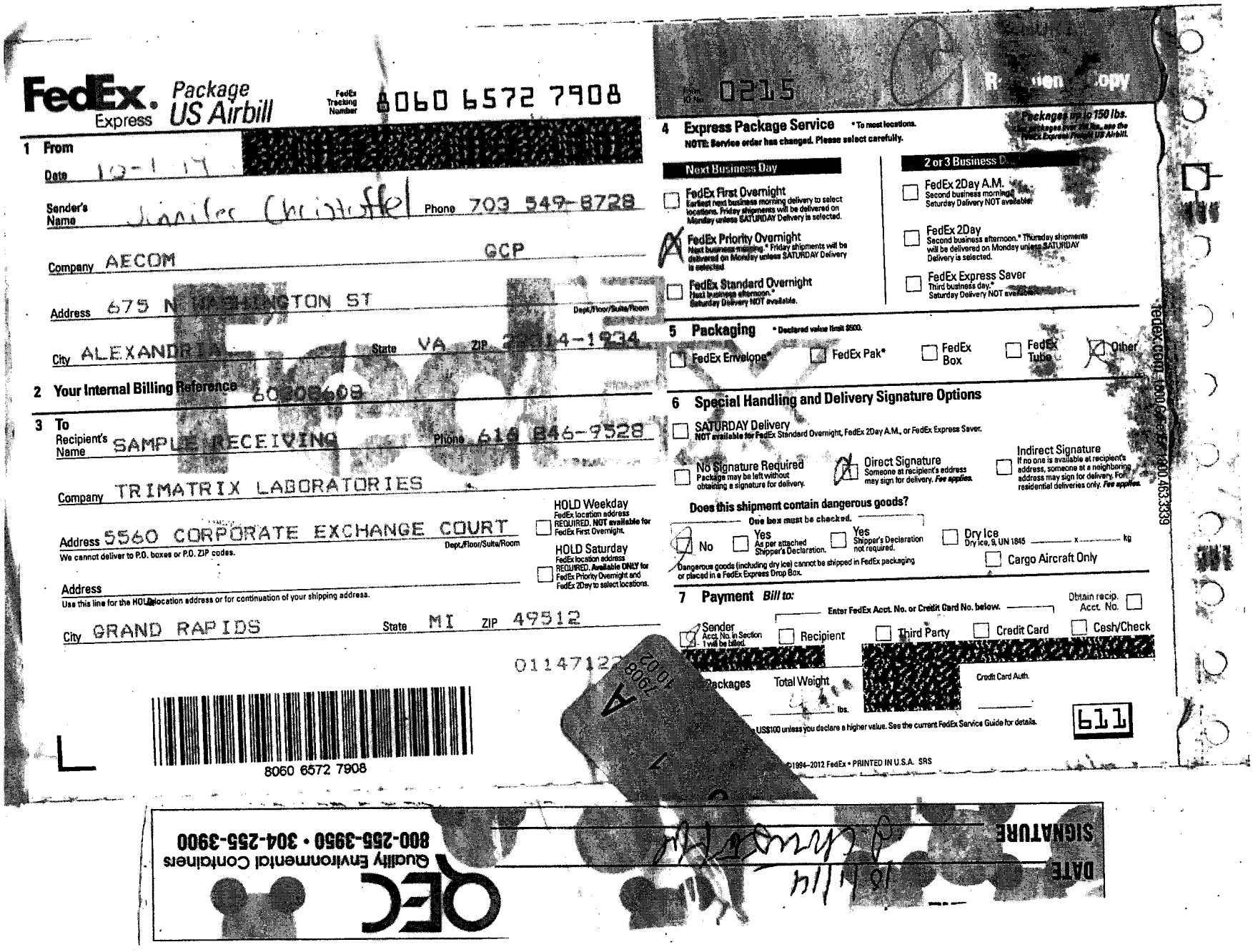
	Date	Time		Date	Time
1. Relinquished By / Company: J. Christoffel / AECOM	10-1-14	15:00	1. Received By / Company: Transfer to FED EX	10-1-14	15:00
2. Relinquished By / Company	Date	Time	2. Received By / Company	Date	Time
3. Relinquished By / Company	Date	Time	3. Received By / Company: Trimatrix	10/2/14	0830
4. Relinquished By / Company	Date	Time	4. Received By / Company	Date	Time

Comments

Shipment Method/Airbill No.

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

000112



FedEx Express Package US Airbill

FedEx Tracking Number 8060 6572 7908

0215

1 From

Date 12-1-17

Sender's Name Janiles Christoffel Phone 703 549-8728

Company AECOM GCP

Address 675 N WASHINGTON ST Dept/Floor/Suite/Room

City ALEXANDRIA State VA ZIP 22314-1934

2 Your Internal Billing Reference 60309608

3 To

Recipient's Name SAMPLE RECEIVING Phone 616 846-9528

Company TRIMATRIX LABORATORIES

Address 5560 CORPORATE EXCHANGE COURT Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City GRAND RAPIDS State MI ZIP 49512

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

01147122

8060 6572 7908

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.

Next Business Day

- FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. (X)
- FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business D...

- FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

FedEx Envelope* | FedEx Pak* | FedEx Box | FedEx Tube | Other (X)

6 Special Handling and Delivery Signature Options

SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

No Signature Required — Package may be left without obtaining a signature for delivery.

Direct Signature (X) — Someone at recipient's address may sign for delivery. *Fee applies.*

Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

No (X) | Yes As per attached Shipper's Declaration. | Yes Shipper's Declaration not required. | Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip. Acct. No.

Sender Acct. No. in Section 1 will be billed. (X) | Recipient | Third Party | Credit Card | Cash/Check

...ackages Total Weight ____ lbs.

Credit Card Auth.

...US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

611

©1994–2012 FedEx • PRINTED IN U.S.A. SRS

fedex.com 1.800.GoFedEx 1.800.463.3339

DATE 10/11/17 SIGNATURE

Quality Environmental Containers
800-255-3950 • 304-255-3900

QEC

Align Open End of FedEx Pouch Here

000113

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: Aecom | Work Order #: 1410085
Receipt Record Page/Line #: 29-14 | New / Add To | Project Chemist: LMR | Sample #s

Recorded by (initials/date): LR 10/2/14 | ☑ Cooler ☐ Box ☐ Other | Qty Received: 1 | Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____) | ☐ See Additional Cooler Information Form

Cooler # TM3003 | Time 1353

Custody Seals: ☐ None ☑ Present / Intact ☐ Present / Not Intact
Coolant Type: ☑ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None
Coolant Location: (Dispersed) / Top / Middle / Bottom
Temp Blank Present: ☑ Yes ☐ No
If Present, Temperature Blank Location is: ☑ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	1.2	-	1.2
Sample 1:	1.3	-	1.3
Sample 2:	1.6	-	1.6
Sample 3:	3.6	-	3.6

3 Sample Average °C: 2.3

☑ Cooler ID on COC? ☑ VOC Trip Blank received?

Cooler # | Time

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact
Coolant Type: ☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None
Coolant Location: Dispersed / Top / Middle / Bottom
Temp Blank Present: ☐ Yes ☐ No
If Present, Temperature Blank Location is: ☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C:

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler # | Time

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact
Coolant Type: ☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None
Coolant Location: Dispersed / Top / Middle / Bottom
Temp Blank Present: ☐ Yes ☐ No
If Present, Temperature Blank Location is: ☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C:

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler # | Time

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact
Coolant Type: ☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None
Coolant Location: Dispersed / Top / Middle / Bottom
Temp Blank Present: ☐ Yes ☐ No
If Present, Temperature Blank Location is: ☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C:

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☑	☐	Chain of Custody record(s)? If No, Initiated By _____
☑		Received for Lab Signed/Date/Time?
☑	☐	Shipping document?
☐	☑	Other _____

COC Information

☐ TriMatrix COC ☑ Other Aecom - 10018
COC ID Numbers:

Check COC for Accuracy

Yes	No	
☑	☐	Analysis Requested?
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate or non-TriMatrix containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☐	☑	Temperature Blank **OR** average sample temperature, ≥6° C?
☑	☐	☐	If either is ≥6° C, was thermal preservation required?
☑	☐		If "Yes", Project Chemist Approval Initials: _____
☑	☐		If "Yes" Completed Non Con Cooler - Cont Inventory Form?
☐	☑		Completed Sample Preservation Verification Form?
☐	☑		Samples chemically preserved correctly?
☑	☐		If "No", added orange tag?
	☐	☑	Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1 L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
10/2/14 0830	10/2/14 1416	Yes (No)

000114

TRIMATRIX LABORATORIES

SAMPLE PRESERVATION VERIFICATION FORM

page 1 of 1

Client	Work Order #
Aecom	1410085
Receipt Log #	**Completed By (initials/date)**	**Project Chemist**
29-14	LR 10/2/14	WAR

COC ID #	Adjusted by: / Date:	DO NOT ADJUST pH FOR THESE CONTAINER TYPES
10018		

Container Type	5 / 23	4	13	1	3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4	HCl	None	HNO_3	HNO_3	
Expected pH	>12	<2	<2	<2	6-8	<2	<2	
COC Line #1								
COC Line #2								
COC Line #3				✓				
COC Line #4								
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8								
COC Line #9								
COC Line #10								

Comments

COC ID #	Adjusted by: / Date:	DO NOT ADJUST pH FOR THESE CONTAINER TYPES

Container Type	5 / 23	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2		6-8	<2	<2	
COC Line #1								
COC Line #2								
COC Line #3								
COC Line #4								
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8								
COC Line #9								
COC Line #10								

Comments

pH Strip Reagent #

☑ 4051306

☐ _____

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Report To:
AECOM - Alexandria, VA
Ms. Devon Chicoine
675 N. Washington St., Suite 300
Alexandria, VA 22314
Phone: 703-706-0544
Fax: (703) 549-9134

Invoice To:
AECOM
Attn: Accounts Payable
P.O. Box 5604
Glen Allen, VA 23058-5604
Phone: ---
Fax: ---

Package Due Date: **Oct-20-14 23:00**

W.O. Due Date:	**Oct-16-14 23:00 (10 day TAT)**		Report Level:	**4DOD**
Date Received:	Oct-02-14 08:30	2.3°C	Received By:	Linda M. Romeyn
Date Logged In:	Oct-06-14 14:33		Logged In By:	Linda M. Romeyn

W.O. Comments: *4DOD, QSM v4.2, no client MS/MSD, these should be the last samples from the site, and SDG 50094-12 is CLOSED. Rack#s 116 White (Na2SO4),417 White (MeOH) 532 Red (Wtr)*

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1410085-01 GA-TU17SB34-15 [Soil] *Sampled Oct-01-14 09:10 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-15-14 09:10	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-15-14 09:10	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-15-14 09:10	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-15-14 09:10	
1410085-02 GA-TU17SB34-37 [Soil] *Sampled Oct-01-14 09:36 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-15-14 09:36	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-15-14 09:36	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-15-14 09:36	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-15-14 09:36	
1410085-03 GA-TU17GW34-01 [Water] *Sampled Oct-01-14 09:55 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-15-14 09:55	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-08-14 09:55	
1410085-04 GA-TU17SB35-15 [Soil] *Sampled Oct-01-14 10:10 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-15-14 10:10	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-15-14 10:10	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-15-14 10:10	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-15-14 10:10	
1410085-05 GA-TU17SB36-20 [Soil] *Sampled Oct-01-14 11:10 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-15-14 11:10	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-15-14 11:10	

Client:	**AECOM - Alexandria, VA**	Project Manager:	**Walter J. Roudebush**
Project:	**Gabreski ANGB, NY**	Project Number:	**50094**
Work Order:	**Soil and Groundwater**	SDG:	**50094-12**

Analysis	Lab Due Date	TAT	Expires	Analysis Comments
1410085-05 GA-TU17SB36-20 [Soil] *Sampled Oct-01-14 11:10 Eastern by AECOM*				
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-15-14 11:10	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-15-14 11:10	
1410085-06 GA-TU17SB38-15 [Soil] *Sampled Oct-01-14 11:40 Eastern by AECOM*				
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-15-14 11:40	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-15-14 11:40	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-15-14 11:40	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-15-14 11:40	
1410085-07 EQC-TB1001141C-001 [Water] *Sampled Oct-01-14 10:00 Eastern by TriMatrix*				**TB (second vial is back-up)**
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-15-14 10:00	
1410085-08 GA-TU017SB34-37DUP [Soil] *Sampled Oct-01-14 00:00 Eastern by AECOM*				**Field Duplicate**
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-15-14 00:00	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-15-14 00:00	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-15-14 00:00	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-15-14 00:00	
1410085-09 GA-TU017SB38-15DUP [Soil] *Sampled Oct-01-14 00:00 Eastern by AECOM*				**Field Duplicate**
8260C DoD VOAs plus custom	Oct-15-14 17:00	10	Oct-15-14 00:00	
8260C DoD VOAs plus custom (High)	Oct-15-14 17:00	10	Oct-15-14 00:00	
8270D DoD SVOCs plus custom	Oct-15-14 17:00	10	Oct-15-14 00:00	
Solids, Total 3550B (%)	Oct-15-14 17:00	10	Oct-15-14 00:00	

000117

Reviewed By

Date

TRIMATRIX LABORATORIES

SECTION - B

INTERNAL COC RECORDS

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

Internal Chain of Custody

SDGID: 50094-11 **Work Order #: 1409384**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-23-14 08:25**

Department: **Volatiles MS** Analysis: 8260C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409384-01 FQC-TB092214JC-001	C	Diane Van Male	9-30-14 15:00		✓	
1409384-02 GA-TU15SB27-22					✓	
1409384-03 GA-TU15SB27-45					✓	
1409384-04 GA-TU15GW27-01					✓	
1409384-05 GA-TU15SB28-15					✓	
1409384-06 GA-TU15SB25-27					✓	
1409384-07 GA-TU15SB25-45					✓	
1409384-08 GA-TU15GW25-01					✓	
1409384-09 GA-TU15SB26-10					✓	

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409422**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-24-14 08:25**

Department: **Volatiles MS** Analysis: 8260C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409422-01 GA-TU14SB16-12	C	Diane VanMale	9-30-14 15:00		✓	
1409422-02 GA-TU14SB16-35					✓	
1409422-03 GA-TU14SB15-13					✓	
1409422-04 GA-TU14SB17-21					✓	
1409422-05 GA-TU14SB17-34					✓	
1409422-06 GA-TU14SB19-35					✓	
1409422-07 GA-TU14SB15-35	G				✓	
1409422-08 GA-TU14SB15-35DUP	C				✓	
1409422-09 GA-TU14SB19-16					✓	
1409422-10 GA-TU14SB18-35					✓	
1409422-11 GA-TU14SB18-05					✓	
1409422-12 GA-TU14GW15-01					✓	
1409422-13 FQC-TB092314JC-001					✓	

SDGID: 50094-12 **Work Order #: 1409444**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-25-14 08:15**

Department: **Volatiles MS** Analysis: 8260C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409444-01 FQC-TB092414JC-001	D DLW 10/1/14	Diane Van Mole	10-1-14 9:30		✓	
1409444-02 GA-TU14GW20-01	D				✓	
1409444-03 GA-TU14SB23-25					✓	
1409444-04 GA-TU14SB23-33					✓	
1409444-05 GA-TU14SB24-07					✓	
1409444-06 GA-TU14SB24-33					✓	
1409444-07 GA-TU14SB21-5					✓	
1409444-08 GA-TU14SB21-33					✓	
1409444-09 GA-TU14SB22-26					✓	
1409444-10 GA-TU14SB22-33					✓	
1409444-11 GA-TU14SB20-5					✓	
1409444-12 GA-TU14SB20-33					✓	

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409479**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-26-14 09:00**

Department: **Volatiles MS** Analysis: 8260C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409479-01 GA-TU13SB01-08	D	Diane Van Male	10-1-14 14:15		✓	
1409479-02 GA-TU13SB01-32	D				✓	
1409479-03 GA-TU13SB02-14	D				✓	
1409479-04 GA-TU13SB02-33	D				✓	
1409479-05 GA-TU13SB04-07	D				✓	
1409479-06 GA-TU13SB04-33	D				✓	
1409479-07 FQC-TB092514JC-001	A	Diane Van Male	10-2-14 15:30	10-3-14 9:00		
1409479-08 GA-TU13SB03-12	D	Diane Van Male	10-1-14 14:15		✓	
1409479-09 GA-TU13GW02-01	A		10-2-14 15:30	10-3-14 9:00		
1409479-10 GA-TU13GW05-01	A					
1409479-11 GA-TU13GW03-01	A					
1409479-12 GA-TU13SB06-14	D	Diane Van Male	10-1-14 14:15		✓	
1409479-13 GA-TU13SB06-33	D				✓	
1409479-14 GA-TU13SB07-08	D		10-8-14 13:30		✓	

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409479**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-26-14 09:00**

Department: **Volatiles MS** Analysis: 8260C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409479-15 GA-TU13SB07-33	D	Diane Van Male	10-8-14 13:30		✓	
1409479-16 GA-TU13SB03-33	D				✓	
1409479-17 GA-TU13SB05-12	D				✓	
1409479-18 GA-TU13SB05-33	D				✓	

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409499**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-27-14 09:20**

Department: **Volatiles MS** Analysis: 8260C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409499-01 FQC-TB092614JC-001	A	Diane Van Male	10-2-14 15:30	10-3-14 9:00		
1409499-02 GA-TU16SB30-08	D		10-9-14 9:00		✓	
1409499-03 GA-TU16SB31-08	E				✓	
1409499-04 GA-TU16SB32-17	E				✓	
1409499-05 GA-TU16SB33-10	E				✓	
1409499-06 GA-TU16GW29-01	A		10-2-14 15:30	10-3-14 9:00		
1409499-07 FQC-EB092614JC-001	A		1	1		
1409499-08 GA-TU16SB29-15	J		10-9-14 9:00		✓	
1409499-09 GA-TU16SB29-15 DUP	E				✓	
1409499-10 GA-TU16SB29-44	E				✓	
1409499-11 GA-TU16SB29-44 DUP	E				✓	

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410014**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-30-14 08:40**

Department: **Volatiles MS** Analysis: 8260C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410014-01 GA-TU13SB8-15	D	Diane Van Male	10-9-14 9:30		✓	
1410014-02 GA-TU13SB8-34	D				✓	
1410014-03 GA-TU13SB9-20	D				✓	
1410014-04 GA-TU13SB9-34	D				✓	
1410014-05 GA-TU13SB10-15	E				✓	
1410014-06 GA-TU13SB10-34	D				✓	
1410014-07 GA-TU13SB11-20	E				✓	
1410014-08 GA-TU13SB11-34	D				✓	
1410014-09 GA-TU13GW08-01	A	Diane Van Male	10-2-14 15:30	10-3-14 9:00		
1410014-10 GA-TU13GW09-01	|	|	|	|		
1410014-11 FQC-TB092914JC-001	|	|	|	|		

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410025**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Oct-01-14 09:00**

Department: **Volatiles MS** Analysis: 8260C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410025-01 GA-TU13SB12-15	E	Diane VanMale	10-10-14 8:30		✓	
1410025-02 GA-TU13SB12-34	D				✓	
1410025-03 GA-TU13SB13-20	E				✓	
1410025-04 GA-TU13SB13-34	E				✓	
1410025-05 GA-TU13SB14-15	D				✓	
1410025-06 GA-TU13SB14-34	D				✓	
1410025-07 GA-TU13SB14-DUP	D				✓	
1410025-08 GA-TU13GW12-01	A	Diane VanMale	10-2-14 15:30	10-3-14 9:00		
1410025-09 GA-TU13GW13-01	″	″	″	″		
1410025-10 FQC-TB093014-JC-001	″	″	″	″		

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410085**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Oct-02-14 08:30**

Department: **Volatiles MS** Analysis: 8260C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410085-01 GA-TU17SB34-15	D	Diane Van Male	10-10-14 11:30		✓	
1410085-02 GA-TU17SB34-37	D,E	↓	↓		✓✓	
1410085-03 GA-TU17GW34-01	A	↓	10-13-14 15:00	10-14-14 8:00		
1410085-04 GA-TU17SB35-15	D,E	Diane Van Male	10-10-14 11:30		✓✓	
1410085-05 GA-TU17SB36-20	E	↓	↓		✓	
1410085-06 GA-TU17SB38-15	E	↓	↓		✓	
1410085-07 FQC-TB100114JC-001	A	↓	10-13-14 15:00	10-14-14 8:00		
1410085-08 GA-TU017SB34-37DUP	D	Diane Van Male	10-10-14 11:30		✓	
1410085-09 GA-TU017SB38-15DUP	D	↓	↓		✓	

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409422**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-24-14 08:25**

Department: **Semivolatiles MS** Analysis: 3550C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409422-01 GA-TU14SB16-12	E	Jessica Butler	9/30/14 8am	9/30/14 4:15pm	No	E01
1409422-02 GA-TU14SB16-35	E					E01
1409422-03 GA-TU14SB15-13	E					E01
1409422-04 GA-TU14SB17-21	E					E01
1409422-05 GA-TU14SB17-34	E					E01
1409422-06 GA-TU14SB19-35	E					E01
1409422-07 GA-TU14SB15-35	C					C01
1409422-08 GA-TU14SB15-35DUP	E					E01
1409422-10 GA-TU14SB18-35	E					E01
1409422-11 GA-TU14SB18-05	E					E01
1409422-12 GA-TU14GW15-01						

Internal Chain of Custody

SDGID: 50094-12 Work Order #: 1409422

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-24-14 08:25**

Department: **Semivolatiles MS** Analysis: 3510C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409422-01 GA-TU14SB16-12						
1409422-02 GA-TU14SB16-35						
1409422-03 GA-TU14SB15-13						
1409422-04 GA-TU14SB17-21						
1409422-05 GA-TU14SB17-34						
1409422-06 GA-TU14SB19-35						
1409422-07 GA-TU14SB15-35						
1409422-08 GA-TU14SB15-35DUP						
1409422-10 GA-TU14SB18-35						
1409422-11 GA-TU14SB18-05						
1409422-12 GA-TU14GW15-01	D	Jessica B	9/29/14 8am		Yes	Pol

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409422**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-24-14 08:25**

Department: **Semivolatiles MS** Analysis: _____

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409422-01 GA-TU14SB16-12						
1409422-02 GA-TU14SB16-35						
1409422-03 GA-TU14SB15-13						
1409422-04 GA-TU14SB17-21						
1409422-05 GA-TU14SB17-34						
1409422-06 GA-TU14SB19-35						
1409422-07 GA-TU14SB15-35	C	[signature]	10-6-14 10:30Am	10-6-14 6:00pm	No	(02
1409422-08 GA-TU14SB15-35DUP						
1409422-10 GA-TU14SB18-35						
1409422-11 GA-TU14SB18-05						
1409422-12 GA-TU14GW15-01						

Internal Chain of Custody

SDGID: 50094-11 **Work Order #: 1409422**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-24-14 08:25**

Department: **Semivolatiles MS** Analysis: 8270D

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409422-01 GA-TU14SB16-12	E01	Jacinta Blom	10-7-14 310pm / 10-8-14 830am	10-8-14 730am / 10/8/14 12pm		
1409422-02 GA-TU14SB16-35			10/5/14 11am	10/6/14 7am		
1409422-03 GA-TU14SB15-13						
1409422-04 GA-TU14SB17-21			10/7/14 950am	10/7/14 3pm		
1409422-05 GA-TU14SB17-34			10/5/14 11am	10/6/14 7am		
1409422-06 GA-TU14SB19-35						
1409422-07 GA-TU14SB15-35	C01					
1409422-08 GA-TU14SB15-35DUP						
1409422-10 GA-TU14SB18-35						
1409422-11 GA-TU14SB18-05			10-7-14 310pm	10-8-14 730am		
1409422-12 GA-TU14GW15-01	D01		10/5/14 11am	10/6/14 7am		

wko_TriMatrix_custody.rpt

000131

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409422**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-24-14 08:25**

Department: **Semivolatiles MS** Analysis: 8270D

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409422-01 GA-TU14SB16-12						
1409422-02 GA-TU14SB16-35						
1409422-03 GA-TU14SB15-13						
1409422-04 GA-TU14SB17-21						
1409422-05 GA-TU14SB17-34						
1409422-06 GA-TU14SB19-35						
1409422-07 GA-TU14SB15-35	COC	[signature]	10/7/14 950a	10/7/14 3pm		
1409422-08 GA-TU14SB15-35DUP						
1409422-10 GA-TU14SB18-35						
1409422-11 GA-TU14SB18-05						
1409422-12 GA-TU14GW15-01						

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409444**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-25-14 08:15**

Department: **Semivolatiles MS** Analysis: 3510C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409444-02 GA-TU14GW20-01	D	Jessica Bates	9/26/14 8am		Yes	Pol
1409444-03 GA-TU14SB23-25						
1409444-04 GA-TU14SB23-33						
1409444-05 GA-TU14SB24-07						
1409444-06 GA-TU14SB24-33						
1409444-07 GA-TU14SB21-5						
1409444-08 GA-TU14SB21-33						
1409444-09 GA-TU14SB22-26						
1409444-10 GA-TU14SB22-33						
1409444-11 GA-TU14SB20-5						
1409444-12 GA-TU14SB20-33						

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409444**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-25-14 08:15**

Department: **Semivolatiles MS** Analysis: 3550C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409444-02 GA-TU14GW20-01						
1409444-03 GA-TU14SB23-25	A	Jessie Bate	9/30/14 8am	9/30/14 4:15pm	No	A01
1409444-04 GA-TU14SB23-33	A					A01
1409444-05 GA-TU14SB24-07	A					A01
1409444-06 GA-TU14SB24-33	A					A01
1409444-07 GA-TU14SB21-5	A					A01
1409444-08 GA-TU14SB21-33	A					A01
1409444-09 GA-TU14SB22-26	A					A01
1409444-10 GA-TU14SB22-33	A					A01
1409444-11 GA-TU14SB20-5	A					A01
1409444-12 GA-TU14SB20-33	A					A01

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409444**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-25-14 08:15**

Department: **Semivolatiles MS** Analysis: 8270D

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409444-02 GA-TU14GW20-01	D01		10/5/14 11am	10/6/14 7am		
1409444-03 GA-TU14SB23-25	A01		10/7/14 950a	10/7/14 3pm		
1409444-04 GA-TU14SB23-33			10-7-14 310 pm	10-8-14 730a		
1409444-05 GA-TU14SB24-07			10-10-14 9am	10-10-14 2pm		
1409444-06 GA-TU14SB24-33			10-7-14 310 pm	10-8-14 730a		
1409444-07 GA-TU14SB21-5						
1409444-08 GA-TU14SB21-33						
1409444-09 GA-TU14SB22-26			10/7/14 950a	10/7/14 3pm		
1409444-10 GA-TU14SB22-33			10-7-14 310 pm	10-8-14 730a		
1409444-11 GA-TU14SB20-5			10/7/14 950a	10/7/14 3pm		
1409444-12 GA-TU14SB20-33						

SDGID: 50094-12 **Work Order #: 1409479**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-26-14 09:00**

Department: **Semivolatiles MS** Analysis: 3550C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409479-01 GA-TU13SB01-08	A	[signature]	10-1-14 8:00Am	10-1-14 4:30pm	No	Aol
1409479-02 GA-TU13SB01-32	A					Aol
1409479-03 GA-TU13SB02-14	A					Aol
1409479-04 GA-TU13SB02-33	A					Aol
1409479-05 GA-TU13SB04-07	A					Aol
1409479-06 GA-TU13SB04-33	A					Aol
1409479-08 GA-TU13SB03-12	A					Aol
1409479-09 GA-TU13GW02-01						
1409479-10 GA-TU13GW05-01						
1409479-11 GA-TU13GW03-01						
1409479-12 GA-TU13SB06-14	A	[signature]	10-1-14 8:05Am	10-1-14 4:30pm	No	Aol
1409479-13 GA-TU13SB06-33	A					Aol
1409479-14 GA-TU13SB07-08	A					Aol
1409479-15 GA-TU13SB07-33	A					Aol

SDGID: 50094-12 **Work Order #: 1409479**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-26-14 09:00**

Department: **Semivolatiles MS** Analysis: 3550C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409479-16 GA-TU13SB03-33	A		10-1-14 8:00AM	10-1-14 4:30pm	No	A01
1409479-17 GA-TU13SB05-12	A	↓	↓	↓	↓	A01
1409479-18 GA-TU13SB05-33	A				↓	A01

SDGID: 50094-12 **Work Order #: 1409479**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-26-14 09:00**

Department: **Semivolatiles MS** Analysis: 3510C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409479-01 GA-TU13SB01-08						
1409479-02 GA-TU13SB01-32						
1409479-03 GA-TU13SB02-14						
1409479-04 GA-TU13SB02-33						
1409479-05 GA-TU13SB04-07						
1409479-06 GA-TU13SB04-33						
1409479-08 GA-TU13SB03-12						
1409479-09 GA-TU13GW02-01	D	[signature]	9-29-14 9:00Am		Yes	Pol
1409479-10 GA-TU13GW05-01	D	"	"		"	Pol
1409479-11 GA-TU13GW03-01	D	"	"		"	Pol
1409479-12 GA-TU13SB06-14						
1409479-13 GA-TU13SB06-33						
1409479-14 GA-TU13SB07-08						
1409479-15 GA-TU13SB07-33						

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409479**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-26-14 09:00**

Department: **Semivolatiles MS** Analysis: 3550C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409479-01 GA-TU13SB01-08						
1409479-02 GA-TU13SB01-32						
1409479-03 GA-TU13SB02-14						
1409479-04 GA-TU13SB02-33	A	Jessie Bt	10/8/14 1pm	10/8/14 3pm	No	A07
1409479-05 GA-TU13SB04-07	A	↓	↓	↓	↓	A07
1409479-06 GA-TU13SB04-33	A					A07
1409479-08 GA-TU13SB03-12						
1409479-09 GA-TU13GW02-01						
1409479-10 GA-TU13GW05-01						
1409479-11 GA-TU13GW03-01						
1409479-12 GA-TU13SB06-14						
1409479-13 GA-TU13SB06-33						
1409479-14 GA-TU13SB07-08						
1409479-15 GA-TU13SB07-33						

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409479**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-26-14 09:00**

Department: **Semivolatiles MS** Analysis: 3550C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409479-16 GA-TU13SB03-33						
1409479-17 GA-TU13SB05-12						
1409479-18 GA-TU13SB05-33	A	Jason D.	10/8/14 1pm	10/8/14 3pm	No	A02

SDGID: 50094-12 **Work Order #: 1409479**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-26-14 09:00**

Department: **Semivolatiles MS** Analysis: 8270D

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409479-01 GA-TU13SB01-08	A01	Jodi Bloom	10-7-14 310pm / 10-8-14 330pm	10-8-14 730am / 10-9-14 730am		
1409479-02 GA-TU13SB01-32			10-10-14 9am	10-10-14 2pm		
1409479-03 GA-TU13SB02-14						
1409479-04 GA-TU13SB02-33						
1409479-05 GA-TU13SB04-07			10/14/14 130pm	10/15/14 730am		
1409479-06 GA-TU13SB04-33						
1409479-08 GA-TU13SB03-12			10/14/14 130pm	10/15/14 730am		
1409479-09 GA-TU13GW02-01	D01		10/5/14 11am	10/6/14 7am		
1409479-10 GA-TU13GW05-01						
1409479-11 GA-TU13GW03-01						
1409479-12 GA-TU13SB06-14	A01		10-10-14 9am	10-10-14 2pm		
1409479-13 GA-TU13SB06-33			10-7-14 310pm	10-8-14 730am		
1409479-14 GA-TU13SB07-08			10/5/14 330p / 10/14/14 130pm	10/15/14 730am		
1409479-15 GA-TU13SB07-33			10-7-14 310pm	10-8-14 730am		

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409479**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-26-14 09:00**

Department: **Semivolatiles MS** Analysis: 8270D

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409479-16 GA-TU13SB03-33	AG		10-7-14 340pm	10-8-14 730		
1409479-17 GA-TU13SB05-12			10-10-14 3pm 10/11/14 10-7-14 8am	10-11-14 2pm 10-17-14 2pm		
1409479-18 GA-TU13SB05-33			10-7-14 340pm	10-8-14 730pm		

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409479**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-26-14 09:00**

Department: **Semivolatiles MS** Analysis: 8270D

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409479-01 GA-TU13SB01-08						
1409479-02 GA-TU13SB01-32						
1409479-03 GA-TU13SB02-14						
1409479-04 GA-TU13SB02-33	AG2	Josh Blom	10-10-14 9am	10-10-14 2pm		
1409479-05 GA-TU13SB04-07	"	"	10-14-14 130pm	10-15-14 730am		
1409479-06 GA-TU13SB04-33	"	"	10-10-14 9am	10-10-14 2pm		
1409479-08 GA-TU13SB03-12						
1409479-09 GA-TU13GW02-01						
1409479-10 GA-TU13GW05-01						
1409479-11 GA-TU13GW03-01						
1409479-12 GA-TU13SB06-14						
1409479-13 GA-TU13SB06-33						
1409479-14 GA-TU13SB07-08						
1409479-~~15~~ 18 GA-TU13SB07-33	AG2	Josh Blom	10-10-14 9am	10-10-14 2pm		

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409499**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-27-14 09:20**

Department: **Semivolatiles MS** Analysis: 3550C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409499-02 GA-TU16SB30-08	A	[signature]	10-2-14 8:00Am	10-2-14 3:00pm	No	A01
1409499-03 GA-TU16SB31-08	A	↓	↓	↓	↓	A01
1409499-04 GA-TU16SB32-17	A	↓	↓	↓	↓	A01
1409499-05 GA-TU16SB33-10	A	↓	↓	↓	↓	A01
1409499-06 GA-TU16GW29-01	D	[signature]	10-2-14 8:00AM		Yes	P01
1409499-07 FQC-EB092614JC-001	P	↓	↓		↓	P01
1409499-08 GA-TU16SB29-15	A	[signature]	10-2-14 8:00Am	10-2-14 3:00pm	No	A01
1409499-09 GA-TU16SB29-15DUP	A	↓	↓	↓	↓	A01
1409499-10 GA-TU16SB29-44	A	↓	↓	↓	↓	A01
1409499-11 GA-TU16SB29-44DUP	A	↓	↓	↓	↓	A01

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409499**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-27-14 09:20**

Department: **Semivolatiles MS** Analysis: 8270D

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409499-02 GA-TU16SB30-08	AOI		10-10-14 3pm / 10-14-15 130pm	10-11-14 2pm / 10-15-15 730am		
1409499-03 GA-TU16SB31-08			10/17/14 8am	10/17/14 2pm		
1409499-04 GA-TU16SB32-17			10-10-14 3pm	10-11-14 2pm		
1409499-05 GA-TU16SB33-10			10/17/14 8am	10/17/14 2pm		
1409499-06 GA-TU16GW29-01	DOI		10-8-14 830 / 10-8-14 330pm	10-8-14 12pm / 10-9-14 730am		
1409499-07 FQC-EB092614JC-001			10-8-14 330pm	10-9-14 730am		
1409499-08 GA-TU16SB29-15	AOI					
1409499-09 GA-TU16SB29-15 DUP						
1409499-10 GA-TU16SB29-44						
1409499-11 GA-TU16SB29-44 DUP			10-14-14 130pm / 10-17-14 8am	10-15-14 730am / 10-17-14 2pm		

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410014**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-30-14 08:40**

Department: **Semivolatiles MS** Analysis: 3550C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410014-01 GA-TU13SB8-15	A	[signature]	10-2-14 8:00Am	10-2-14 3:00pm	No	A01
1410014-02 GA-TU13SB8-34	A					A01
1410014-03 GA-TU13SB9-20	A					A01
1410014-04 GA-TU13SB9-34	A					A01
1410014-05 GA-TU13SB10-15	A					A01
1410014-06 GA-TU13SB10-34	A					A01
1410014-07 GA-TU13SB11-20	A					A01
1410014-08 GA-TU13SB11-34	A					A01
1410014-09 GA-TU13GW08-01	P	[signature]	10-2-14 8:00Am		Yes	P01
1410014-10 GA-TU13GW09-01	P	"	"		"	P01

wko_TriMatrix_custody.rpt

0003146

Internal Chain of Custody

SDGID: 50094-12 Work Order #: 1410014

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-30-14 08:40**

Department: **Semivolatiles MS** Analysis: 3550C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410014-01 GA-TU13SB8-15						
1410014-02 GA-TU13SB8-34						
1410014-03 GA-TU13SB9-20						
1410014-04 GA-TU13SB9-34						
1410014-05 GA-TU13SB10-15						
1410014-06 GA-TU13SB10-34						
1410014-07 GA-TU13SB11-20						
1410014-08 GA-TU13SB11-34	A	[signature]	10-15-14 11:15Am	10-15-14 3:00pm	NO	A02
1410014-09 GA-TU13GW08-01						
1410014-10 GA-TU13GW09-01						

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410014**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-30-14 08:40**

Department: **Semivolatiles MS** Analysis: 8270D

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410014-01 GA-TU13SB8-15	AD	Jodi Bloom	10/14/14 130 pm	10/15/14 730		
1410014-02 GA-TU13SB8-34	↓	↓	10/10/14 3pm	10/11/14 2pm		
1410014-03 GA-TU13SB9-20			↓	↓		
1410014-04 GA-TU13SB9-34						
1410014-05 GA-TU13SB10-15			10/17/14 8am	10/17/14 2pm		
1410014-06 GA-TU13SB10-34			10/14/14 130 pm	10/15/14 730		
1410014-07 GA-TU13SB11-20			↓	↓		
1410014-08 GA-TU13SB11-34	↓		10/20/14 430 pm	10/21/14 735 am		
1410014-09 GA-TU13GW08-01	DI		10-8-14 330pm	10-9-14 730		
1410014-10 GA-TU13GW09-01	↓		↓	↓		

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410014**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-30-14 08:40**

Department: **Semivolatiles MS** Analysis: 8270D

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410014-01 GA-TU13SB8-15						
1410014-02 GA-TU13SB8-34						
1410014-03 GA-TU13SB9-20						
1410014-04 GA-TU13SB9-34						
1410014-05 GA-TU13SB10-15						
1410014-06 GA-TU13SB10-34						
1410014-07 GA-TU13SB11-20						
1410014-08 GA-TU13SB11-34	A02	Joshua Brown	10/20/14 430 pm	10/21/14 735am		
1410014-09 GA-TU13GW08-01						
1410014-10 GA-TU13GW09-01						

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410025**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Oct-01-14 09:00**

Department: **Semivolatiles MS** Analysis: 3550C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410025-01 GA-TU13SB12-15	A	W. L.	10-9-14 9:00AM	10-9-14 6:00pm	No	A01
1410025-02 GA-TU13SB12-34	A					A01
1410025-03 GA-TU13SB13-20	A					A01
1410025-04 GA-TU13SB13-34	A					A01
1410025-05 GA-TU13SB14-15	A					A01
1410025-06 GA-TU13SB14-34	A					A01
1410025-07 GA-TU13SB14-34DUP	A					A01
1410025-08 GA-TU13GW12-01						
1410025-09 GA-TU13GW13-01						

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410025**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Oct-01-14 09:00**

Department: **Semivolatiles MS** Analysis: 3510C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410025-01 GA-TU13SB12-15						
1410025-02 GA-TU13SB12-34						
1410025-03 GA-TU13SB13-20						
1410025-04 GA-TU13SB13-34						
1410025-05 GA-TU13SB14-15						
1410025-06 GA-TU13SB14-34						
1410025-07 GA-TU13SB14-DUP						
1410025-08 GA-TU13GW12-01	1	[signature]	10-2-14 8:00Am		Yes	1oz
1410025-09 GA-TU13GW13-01	1	"	"		"	1oz

wko_TriMatrix_custody.rpt

000151

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410025**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Oct-01-14 09:00**

Department: **Semivolatiles MS** Analysis: 3550C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410025-01 GA-TU13SB12-15						
1410025-02 GA-TU13SB12-34						
1410025-03 GA-TU13SB13-20						
1410025-04 GA-TU13SB13-34						
1410025-05 GA-TU13SB14-15						
1410025-06 GA-TU13SB14-34	A	[signature]	10/22/14 9:15am	10-23-14 2:00pm	No	Aod
1410025-07 GA-TU13SB14-34DUP						
1410025-08 GA-TU13GW12-01						
1410025-09 GA-TU13GW13-01						

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410025**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Oct-01-14 09:00**

Department: **Semivolatiles MS** Analysis: 8270D

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410025-01 GA-TU13SB12-15	A01	Jodi Brown	10/20/14 430pm	10/21/14 735 am		
1410025-02 GA-TU13SB12-34	↓	↓	10-21-14 110pm	10-22-14 735		
1410025-03 GA-TU13SB13-20						
1410025-04 GA-TU13SB13-34						
1410025-05 GA-TU13SB14-15			10-21-14 110pm	10-22-14 735		
1410025-06 GA-TU13SB14-34			↓			
1410025-07 GA-TU13SB14-DUP	↓		↓	↓		
1410025-08 GA-TU13GW12-01	D01		10-8-14 330 pm	10-9-14 730		
1410025-09 GA-TU13GW13-01	↓	↓	↓	↓		

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410025**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Oct-01-14 09:00**

Department: **Semivolatiles MS** Analysis: 8270D

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410025-01 GA-TU13SB12-15						
1410025-02 GA-TU13SB12-34						
1410025-03 GA-TU13SB13-20						
1410025-04 GA-TU13SB13-34						
1410025-05 GA-TU13SB14-15						
1410025-06 GA-TU13SB14-34	AQ	Josh Wilson	10-22-14 935am	10-22-14 3pm		
1410025-07 GA-TU13SB14-34DUP						
1410025-08 GA-TU13GW12-01						
1410025-09 GA-TU13GW13-01						

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410085**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Oct-02-14 08:30**

Department: **Semivolatiles MS** Analysis: 3510C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410085-01 GA-TU17SB34-15						
1410085-02 GA-TU17SB34-37						
1410085-03 GA-TU17GW34-01	D		10-7-14 8:30Am		Yes	D01
1410085-04 GA-TU17SB35-15						
1410085-05 GA-TU17SB36-20						
1410085-06 GA-TU17SB38-15						
1410085-08 GA-TU017SB34-37DUP						
1410085-09 GA-TU017SB38-15DUP						

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410085**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Oct-02-14 08:30**

Department: **Semivolatiles MS** Analysis: 3550C

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410085-01 GA-TU17SB34-15	A	[signature]	10-9-14 9:00Am	10-9-14 6:00pm	No	Aol
1410085-02 GA-TU17SB34-37	A	↓	↓	↓	↓	Aol
1410085-03 GA-TU17GW34-01						
1410085-04 GA-TU17SB35-15	A	[signature]	10-9-14 9:00 AM	10-9-14 6:00pm	No	Aol
1410085-05 GA-TU17SB36-20	A	↓	↓	↓	↓	Aol
1410085-06 GA-TU17SB38-15	A					Aol
1410085-08 GA-TU017SB34-37DUP	A					Aol
1410085-09 GA-TU017SB38-15DUP	A					Aol

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410085**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Oct-02-14 08:30**

Department: **Semivolatiles MS** Analysis: 8270D

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410085-01 GA-TU17SB34-15	A01		10/21/14 110 pm / 10-22-14 930 am	10/22/14 735 am / 10-22-14 3pm		
1410085-02 GA-TU17SB34-37	↓		10/20/14 430 pm / 10-21-14 110 pm	10/21/14 735 am / 10-22-14 735 am		
1410085-03 GA-TU17GW34-01	D01		10/21/14 110 pm	10/22/14 735 am		
1410085-04 GA-TU17SB35-15	A01		10/20/14 430 pm / 10-21-14 110 pm	10/21/14 735 am / 10-22-14 735 am		
1410085-05 GA-TU17SB36-20						
1410085-06 GA-TU17SB38-15						
1410085-08 GA-TU017SB34-37DUP			10/21/14 110 pm	10/22/14 735 am		
1410085-09 GA-TU017SB38-15DUP			↓	↓		

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409384**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-23-14 08:25**

Department: **Inorganic - Wet Chemistry** Analysis: Solids, Total 3550B (%)

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409384-02 GA-TU15SB27-22	A	Kacy Andru	9/24/14 2:00pm	9/24/14 2:30pm	N	
1409384-03 GA-TU15SB27-45	↓	↓	↓	↓	↓	
1409384-05 GA-TU15SB28-15						
1409384-06 GA-TU15SB25-27						
1409384-07 GA-TU15SB25-45						
1409384-09 GA-TU15SB26-10	A	Kacy Andru	9/24/14 2:00pm	9/24/14 2:30pm	N	

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409422**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-24-14 08:25**

Department: **Inorganic - Wet Chemistry** Analysis: Solids, total 3550B (9p)

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409422-01 GA-TU14SB16-12	A	Kacy Anderson	9/30/14 1:15pm	9/30/14 2:00pm	N	
1409422-02 GA-TU14SB16-35						
1409422-03 GA-TU14SB15-13						
1409422-04 GA-TU14SB17-21						
1409422-05 GA-TU14SB17-34						
1409422-06 GA-TU14SB19-35						
1409422-07 GA-TU14SB15-35						
1409422-08 GA-TU14SB15-35DUP						
1409422-09 GA-TU14SB19-16						
1409422-10 GA-TU14SB18-35						
1409422-11 GA-TU14SB18-05	A	Kacy Anderson	9/30/14 1:15pm	9/30/14 2:00pm	N	

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409444**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-25-14 08:15**

Department: **Inorganic - Wet Chemistry** Analysis: SOIL, TOTAL 3550B(96)

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409444-03 GA-TU14SB23-25	B	Kacy Andrew	9/30/14 1:15pm	9/30/14 2:00pm	N	
1409444-04 GA-TU14SB23-33						
1409444-05 GA-TU14SB24-07						
1409444-06 GA-TU14SB24-33						
1409444-07 GA-TU14SB21-5						
1409444-08 GA-TU14SB21-33						
1409444-09 GA-TU14SB22-26						
1409444-10 GA-TU14SB22-33						
1409444-11 GA-TU14SB20-5						
1409444-12 GA-TU14SB20-33	B	Kacy Andrew	9/30/14 1:15pm	9/30/14 2:00pm	N	

TriMatrix Laboratories, Inc.

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409479**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-26-14 09:00**

Department: **Inorganic - Wet Chemistry** Analysis: Solids, total 3550B (070)

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409479-01 GA-TU13SB01-08	A B KLA 10/2/14	Kacy Andre	10/2/14 1:00pm	10/2/14 3:15pm	N	
1409479-02 GA-TU13SB01-32						
1409479-03 GA-TU13SB02-14						
1409479-04 GA-TU13SB02-33						
1409479-05 GA-TU13SB04-07						
1409479-06 GA-TU13SB04-33						
1409479-08 GA-TU13SB03-12						
1409479-12 GA-TU13SB06-14						
1409479-13 GA-TU13SB06-33						
1409479-14 GA-TU13SB07-08						
1409479-15 GA-TU13SB07-33						
1409479-16 GA-TU13SB03-33						
1409479-17 GA-TU13SB05-12						
1409479-18 GA-TU13SB05-33	A B 10/2/14	Kacy Andre	10/2/14 1:00pm	10/2/14 3:15pm	N	

wko_TriMatrix_custody.rpt

001161

TriMatrix Laboratories, Inc.

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1409499**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-27-14 09:20**

Department: **Inorganic - Wet Chemistry** Analysis: Solids, total 3550B(90)

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1409499-02 GA-TU16SB30-08	B	Kacy Andre	10/2/14 1:00pm	10/2/14 3:15pm	N	
1409499-03 GA-TU16SB31-08	↓	↓	↓	↓	↓	
1409499-04 GA-TU16SB32-17						
1409499-05 GA-TU16SB33-10	B					
1409499-08 GA-TU16SB29-15	D					
1409499-09 GA-TU16SB29-15DUP	B					
1409499-10 GA-TU16SB29-44	↓	↓	↓	↓	↓	
1409499-11 GA-TU16SB29-44DUP	B	Kacy Andre	10/2/14 1:00pm	10/2/14 3:15pm	N	

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410014**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Sep-30-14 08:40**

Department: **Inorganic - Wet Chemistry** Analysis: Solids, Total 3550B (%)

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410014-01 GA-TU13SB8-15	B	Kacy Arden	10/3/14 9:00am	10/3/14 11:15am	N	
1410014-02 GA-TU13SB8-34						
1410014-03 GA-TU13SB9-20						
1410014-04 GA-TU13SB9-34						
1410014-05 GA-TU13SB10-15						
1410014-06 GA-TU13SB10-34						
1410014-07 GA-TU13SB11-20						
1410014-08 GA-TU13SB11-34	B	Kacy Arden	10/3/14 9:00am	10/3/14 11:15am	N	

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410025**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Oct-01-14 09:00**

Department: **Inorganic - Wet Chemistry** Analysis: Solids, Total 3550B (%)

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410025-01 GA-TU13SB12-15	B	Kacy Anderson	10/3/14 9:00am	10/3/14 11:15am	N	
1410025-02 GA-TU13SB12-34						
1410025-03 GA-TU13SB13-20						
1410025-04 GA-TU13SB13-34						
1410025-05 GA-TU13SB14-15						
1410025-06 GA-TU13SB14-34						
1410025-07 GA-TU13SB14-34DUP	B	Kacy Anderson	10/3/14 9:00am	10/3/14 11:15am	N	

Internal Chain of Custody

SDGID: 50094-12 **Work Order #: 1410085**

Client: **AECOM - Alexandria, VA**
Project: **Gabreski ANGB, NY**

Project Manager: **Walter J. Roudebush**
Date Received: **Oct-02-14 08:30**

Department: **Inorganic - Wet Chemistry** Analysis: Solids, TOTAL 3550B (%)

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1410085-01 GA-TU17SB34-15	B	Kacy Ander	10/7/14 1:00pm	10/7/14 3:00pm	N	
1410085-02 GA-TU17SB34-37	↓	↓	↓	↓	↓	
1410085-04 GA-TU17SB35-15						
1410085-05 GA-TU17SB36-20						
1410085-06 GA-TU17SB38-15						
1410085-08 GA-TU017SB34-37DUP						
1410085-09 GA-TU017SB38-15DUP	B	Kacy Ander	10/7/14 1:00pm	10/7/14 3:00pm	N	

TRIMATRIX LABORATORIES

SECTION - C

GCMS VOLATILE ORGANICS

USEPA-8260C

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TriMatrix Laboratories, Inc.

AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

SDG: 50094-12

USEPA-8260C

SAMPLE ID SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Client Sample Id:	Lab Sample Id:
FQC-TB092214JC-001	1409384-01
GA-TU15SB27-22	1409384-02
GA-TU15SB27-45	1409384-03
GA-TU15GW27-01	1409384-04
GA-TU15SB28-15	1409384-05
GA-TU15SB25-27	1409384-06
GA-TU15SB25-45	1409384-07
GA-TU15GW25-01	1409384-08
GA-TU15SB26-10	1409384-09
GA-TU14SB16-12	1409422-01
GA-TU14SB16-35	1409422-02
GA-TU14SB15-13	1409422-03
GA-TU14SB17-21	1409422-04
GA-TU14SB17-34	1409422-05
GA-TU14SB19-35	1409422-06
GA-TU14SB15-35	1409422-07
GA-TU14SB15-35DUP	1409422-08
GA-TU14SB19-16	1409422-09
GA-TU14SB18-35	1409422-10
GA-TU14SB18-05	1409422-11
GA-TU14GW15-01	1409422-12
FQC-TB092314JC-001	1409422-13
FQC-TB092414JC-001	1409444-01
GA-TU14GW20-01	1409444-02
GA-TU14SB23-25	1409444-03
GA-TU14SB23-33	1409444-04
GA-TU14SB24-07	1409444-05
GA-TU14SB24-33	1409444-06
GA-TU14SB21-5	1409444-07
GA-TU14SB21-33	1409444-08
GA-TU14SB22-26	1409444-09
GA-TU14SB22-33	1409444-10
GA-TU14SB20-5	1409444-11
GA-TU14SB20-33	1409444-12
GA-TU13SB01-08	1409479-01
GA-TU13SB01-32	1409479-02
GA-TU13SB02-14	1409479-03
GA-TU13SB02-33	1409479-04
GA-TU13SB04-07	1409479-05
GA-TU13SB04-33	1409479-06
FQC-TB092514JC-001	1409479-07

SAMPLE ID SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY

Client Sample Id:	Lab Sample Id:
GA-TU13SB03-12	1409479-08
GA-TU13GW02-01	1409479-09
GA-TU13GW05-01	1409479-10
GA-TU13GW03-01	1409479-11
GA-TU13SB06-14	1409479-12
GA-TU13SB06-33	1409479-13
GA-TU13SB07-08	1409479-14
GA-TU13SB07-33	1409479-15
GA-TU13SB03-33	1409479-16
GA-TU13SB05-12	1409479-17
GA-TU13SB05-33	1409479-18
FQC-TB092614JC-001	1409499-01
GA-TU16SB30-08	1409499-02
GA-TU16SB31-08	1409499-03
GA-TU16SB32-17	1409499-04
GA-TU16SB33-10	1409499-05
GA-TU16GW29-01	1409499-06
FQC-EB092614JC-001	1409499-07
GA-TU16SB29-15	1409499-08
GA-TU16SB29-15DUP	1409499-09
GA-TU16SB29-44	1409499-10
GA-TU16SB29-44DUP	1409499-11
GA-TU13SB8-15	1410014-01
GA-TU13SB8-34	1410014-02
GA-TU13SB9-20	1410014-03
GA-TU13SB9-34	1410014-04
GA-TU13SB10-15	1410014-05
GA-TU13SB10-34	1410014-06
GA-TU13SB11-20	1410014-07
GA-TU13SB11-34	1410014-08
GA-TU13GW08-01	1410014-09
GA-TU13GW09-01	1410014-10
FQC-TB092914JC-001	1410014-11
GA-TU13SB12-15	1410025-01
GA-TU13SB12-34	1410025-02
GA-TU13SB13-20	1410025-03
GA-TU13SB13-34	1410025-04
GA-TU13SB14-15	1410025-05
GA-TU13SB14-34	1410025-06
GA-TU13SB14-34DUP	1410025-07
GA-TU13GW12-01	1410025-08

SAMPLE ID SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

Client Sample Id:	Lab Sample Id:
GA-TU13GW13-01	1410025-09
FQC-TB093014JC-001	1410025-10
GA-TU17SB34-15	1410085-01
GA-TU17SB34-15	1410085-01RE1
GA-TU17SB34-37	1410085-02
GA-TU17GW34-01	1410085-03
GA-TU17SB35-15	1410085-04
GA-TU17SB36-20	1410085-05
GA-TU17SB38-15	1410085-06
FQC-TB100114JC-001	1410085-07
GA-TU017SB34-37DUP	1410085-08
GA-TU017SB38-15DUP	1410085-09

TRIMATRIX LABORATORIES

SECTION - C

QUALITY CONTROL (QC) SUMMARY

USEPA-8260C

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J01002
Sequence: 4J01003
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J01003-CCV1)		**Lab File ID: CCV0930A.D**		**Analyzed: 09/30/14 14:15**			
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	101	80 - 120	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	104	80 - 120	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	80 - 120	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	80 - 120	
LCS (1410493-BS1)		**Lab File ID: BS0930A.D**		**Analyzed: 09/30/14 15:00**			
Dibromofluoromethane	5.10	5.11	-0.01	+/-1.0	100	78 - 119	
1,2-Dichloroethane-d4	5.68	5.69	-0.01	+/-1.0	98	71 - 136	
Toluene-d8	8.65	8.65	-0.01	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
Matrix Spike (1410493-MS1)		**Lab File ID: 1409422-07MS**		**Analyzed: 09/30/14 15:26**			
Dibromofluoromethane	5.10	5.11	0.00	+/-1.0	101	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	105	71 - 136	
Toluene-d8	8.65	8.65	-0.01	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	103	79 - 119	
Matrix Spike Dup (1410493-MSD1)		**Lab File ID: 1409422-07MS**		**Analyzed: 09/30/14 15:49**			
Dibromofluoromethane	5.10	5.11	0.00	+/-1.0	102	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	106	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
Blank (1410493-BLK1)		**Lab File ID: BLK0930A.D**		**Analyzed: 09/30/14 16:59**			
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	101	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	104	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	97	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
GA-TU14SB15-35 (1409422-07)		**Lab File ID: 1409422-07.D**		**Analyzed: 09/30/14 17:22**			
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	108	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	102	79 - 119	
GA-TU15SB27-22 (1409384-02)		**Lab File ID: 1409384-02.D**		**Analyzed: 09/30/14 17:46**			
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	107	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	102	79 - 119	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J01002
Sequence: 4J01003
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU15SB27-45 (1409384-03)		**Lab File ID: 1409384-03.D Analyzed: 09/30/14 18:09**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	106	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU15SB28-15 (1409384-05)		**Lab File ID: 1409384-05.D Analyzed: 09/30/14 18:33**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	108	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
GA-TU15SB25-27 (1409384-06)		**Lab File ID: 1409384-06.D Analyzed: 09/30/14 18:56**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	102	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	112	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU15SB25-45 (1409384-07)		**Lab File ID: 1409384-07.D Analyzed: 09/30/14 19:20**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	103	79 - 119	
GA-TU15SB26-10 (1409384-09)		**Lab File ID: 1409384-09.D Analyzed: 09/30/14 19:43**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	101	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	102	79 - 119	
GA-TU14SB16-12 (1409422-01)		**Lab File ID: 1409422-01.D Analyzed: 09/30/14 20:07**					
Dibromofluoromethane	5.10	5.11	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	112	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	94	79 - 119	
GA-TU14SB16-35 (1409422-02)		**Lab File ID: 1409422-02.D Analyzed: 09/30/14 20:30**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	102	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	108	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J01003

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J01002
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU14SB15-13 (1409422-03)	**Lab File ID: 1409422-03.D Analyzed: 09/30/14 20:54**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	102	79 - 119	
GA-TU14SB17-21 (1409422-04)	**Lab File ID: 1409422-04.D Analyzed: 09/30/14 21:17**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	102	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU14SB17-34 (1409422-05)	**Lab File ID: 1409422-05.D Analyzed: 09/30/14 21:41**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	110	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	99	79 - 119	
GA-TU14SB19-35 (1409422-06)	**Lab File ID: 1409422-06.D Analyzed: 09/30/14 22:04**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	102	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU14SB15-35DUP (1409422-08)	**Lab File ID: 1409422-08.D Analyzed: 09/30/14 22:28**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	106	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	102	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	105	79 - 119	
GA-TU14SB19-16 (1409422-09)	**Lab File ID: 1409422-09.D Analyzed: 09/30/14 22:51**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	107	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	113	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	96	79 - 119	
GA-TU14SB18-35 (1409422-10)	**Lab File ID: 1409422-10.D Analyzed: 09/30/14 23:15**						
Dibromofluoromethane	5.10	5.11	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	111	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J01002
Sequence: 4J01003
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU14SB18-05 (1409422-11)		**Lab File ID: 1409422-11.D Analyzed: 09/30/14 23:38**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	113	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	97	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	98	79 - 119	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J01003

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J01002
Instrument: 350

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J01003-TUN1	BFB0930A.D	09/30/14 13:59
Calibration Check	4J01003-CCV1	CCV0930A.D	09/30/14 14:15
LCS	1410493-BS1	BS0930A.D	09/30/14 15:00
GA-TU14SB15-35	1410493-MS1	1409422-07MS.D	09/30/14 15:26
GA-TU14SB15-35	1410493-MSD1	1409422-07MSD.D	09/30/14 15:49
Blank	1410493-BLK1	BLK0930A.D	09/30/14 16:59
GA-TU14SB15-35	1409422-07	1409422-07.D	09/30/14 17:22
GA-TU15SB27-22	1409384-02	1409384-02.D	09/30/14 17:46
GA-TU15SB27-45	1409384-03	1409384-03.D	09/30/14 18:09
GA-TU15SB28-15	1409384-05	1409384-05.D	09/30/14 18:33
GA-TU15SB25-27	1409384-06	1409384-06.D	09/30/14 18:56
GA-TU15SB25-45	1409384-07	1409384-07.D	09/30/14 19:20
GA-TU15SB26-10	1409384-09	1409384-09.D	09/30/14 19:43
GA-TU14SB16-12	1409422-01	1409422-01.D	09/30/14 20:07
GA-TU14SB16-35	1409422-02	1409422-02.D	09/30/14 20:30
GA-TU14SB15-13	1409422-03	1409422-03.D	09/30/14 20:54
GA-TU14SB17-21	1409422-04	1409422-04.D	09/30/14 21:17
GA-TU14SB17-34	1409422-05	1409422-05.D	09/30/14 21:41
GA-TU14SB19-35	1409422-06	1409422-06.D	09/30/14 22:04
GA-TU14SB15-35DUP	1409422-08	1409422-08.D	09/30/14 22:28
GA-TU14SB19-16	1409422-09	1409422-09.D	09/30/14 22:51
GA-TU14SB18-35	1409422-10	1409422-10.D	09/30/14 23:15
GA-TU14SB18-05	1409422-11	1409422-11.D	09/30/14 23:38

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J01002
Sequence: 4J01040
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J01040-CCV1)		**Lab File ID: CCV1001.D**		**Analyzed: 10/01/14 09:12**			
Dibromofluoromethane	5.11	5.11	0.01	+/-1.0	102	80 - 120	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	99	80 - 120	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	80 - 120	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	103	80 - 120	
LCS (1410523-BS1)		**Lab File ID: BS1001.D**		**Analyzed: 10/01/14 09:39**			
Dibromofluoromethane	5.10	5.11	0.00	+/-1.0	102	78 - 119	
1,2-Dichloroethane-d4	5.68	5.69	-0.01	+/-1.0	102	71 - 136	
Toluene-d8	8.65	8.65	-0.01	+/-1.0	101	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	102	79 - 119	
Blank (1410523-BLK1)		**Lab File ID: BLK1001.D**		**Analyzed: 10/01/14 10:29**			
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	102	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	102	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	97	79 - 119	
GA-TU14SB23-25 (1409444-03)		**Lab File ID: 1409444-03.D**		**Analyzed: 10/01/14 10:52**			
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	107	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU14SB23-33 (1409444-04)		**Lab File ID: 1409444-04.D**		**Analyzed: 10/01/14 11:16**			
Dibromofluoromethane	5.10	5.11	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	111	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	102	79 - 119	
GA-TU14SB24-07 (1409444-05)		**Lab File ID: 1409444-05.D**		**Analyzed: 10/01/14 11:39**			
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	111	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	97	79 - 119	
GA-TU14SB24-33 (1409444-06)		**Lab File ID: 1409444-06.D**		**Analyzed: 10/01/14 12:03**			
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	108	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	97	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J01002
Sequence: 4J01040
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU14SB21-5 (1409444-07)		**Lab File ID: 1409444-07.D Analyzed: 10/01/14 12:26**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	110	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	99	79 - 119	
GA-TU14SB21-33 (1409444-08)		**Lab File ID: 1409444-08.D Analyzed: 10/01/14 12:49**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	106	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	112	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	103	79 - 119	
GA-TU14SB22-26 (1409444-09)		**Lab File ID: 1409444-09.D Analyzed: 10/01/14 13:13**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	97	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
GA-TU14SB22-33 (1409444-10)		**Lab File ID: 1409444-10.D Analyzed: 10/01/14 13:36**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	114	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
GA-TU14SB20-5 (1409444-11)		**Lab File ID: 1409444-11.D Analyzed: 10/01/14 14:00**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	110	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU14SB20-33 (1409444-12)		**Lab File ID: 1409444-12.D Analyzed: 10/01/14 14:23**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	111	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	101	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	98	79 - 119	
GA-TU13SB01-08 (1409479-01)		**Lab File ID: 1409479-01.D Analyzed: 10/01/14 14:47**					
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	110	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	96	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	97	79 - 119	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J01040

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J01002
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13SB01-32 (1409479-02)	**Lab File ID: 1409479-02.D Analyzed: 10/01/14 15:10**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	106	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
GA-TU13SB02-14 (1409479-03)	**Lab File ID: 1409479-03.D Analyzed: 10/01/14 15:34**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	109	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	111	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	95	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	85	79 - 119	
GA-TU13SB02-33 (1409479-04)	**Lab File ID: 1409479-04.D Analyzed: 10/01/14 15:57**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	106	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	110	71 - 136	
Toluene-d8	8.66	8.65	0.00	+/-1.0	101	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
GA-TU13SB04-07 (1409479-05)	**Lab File ID: 1409479-05.D Analyzed: 10/01/14 16:21**						
Dibromofluoromethane	5.10	5.11	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	108	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU13SB04-33 (1409479-06)	**Lab File ID: 1409479-06.D Analyzed: 10/01/14 16:44**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	107	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	97	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	98	79 - 119	
GA-TU13SB03-12 (1409479-08)	**Lab File ID: 1409479-08.D Analyzed: 10/01/14 17:08**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	110	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	98	79 - 119	
GA-TU13SB06-14 (1409479-12)	**Lab File ID: 1409479-12.D Analyzed: 10/01/14 17:31**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	111	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	97	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	91	79 - 119	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J01040

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J01002
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13SB06-33 (1409479-13)	**Lab File ID: 1409479-13.D Analyzed: 10/01/14 17:55**						
Dibromofluoromethane	5.11	5.11	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	112	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	99	79 - 119	

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J01040

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J01002
Instrument: 350

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J01040-TUN1	BFB1001.D	10/01/14 08:55
Calibration Check	4J01040-CCV1	CCV1001.D	10/01/14 09:12
LCS	1410523-BS1	BS1001.D	10/01/14 09:39
Blank	1410523-BLK1	BLK1001.D	10/01/14 10:29
GA-TU14SB23-25	1409444-03	1409444-03.D	10/01/14 10:52
GA-TU14SB23-33	1409444-04	1409444-04.D	10/01/14 11:16
GA-TU14SB24-07	1409444-05	1409444-05.D	10/01/14 11:39
GA-TU14SB24-33	1409444-06	1409444-06.D	10/01/14 12:03
GA-TU14SB21-5	1409444-07	1409444-07.D	10/01/14 12:26
GA-TU14SB21-33	1409444-08	1409444-08.D	10/01/14 12:49
GA-TU14SB22-26	1409444-09	1409444-09.D	10/01/14 13:13
GA-TU14SB22-33	1409444-10	1409444-10.D	10/01/14 13:36
GA-TU14SB20-5	1409444-11	1409444-11.D	10/01/14 14:00
GA-TU14SB20-33	1409444-12	1409444-12.D	10/01/14 14:23
GA-TU13SB01-08	1409479-01	1409479-01.D	10/01/14 14:47
GA-TU13SB01-32	1409479-02	1409479-02.D	10/01/14 15:10
GA-TU13SB02-14	1409479-03	1409479-03.D	10/01/14 15:34
GA-TU13SB02-33	1409479-04	1409479-04.D	10/01/14 15:57
GA-TU13SB04-07	1409479-05	1409479-05.D	10/01/14 16:21
GA-TU13SB04-33	1409479-06	1409479-06.D	10/01/14 16:44
GA-TU13SB03-12	1409479-08	1409479-08.D	10/01/14 17:08
GA-TU13SB06-14	1409479-12	1409479-12.D	10/01/14 17:31
GA-TU13SB06-33	1409479-13	1409479-13.D	10/01/14 17:55

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Calibration: 4J02011
Sequence: 4J04001
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J04001-CCV1)		**Lab File ID: CCV1002A.D**		**Analyzed: 10/02/14 19:53**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	100	80 - 120	
1,2-Dichloroethane-d4	5.68	5.68	-0.01	+/-1.0	101	80 - 120	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	80 - 120	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	80 - 120	
LCS (1410719-BS1)		**Lab File ID: BS1002A.D**		**Analyzed: 10/02/14 20:19**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	101	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	101	81 - 118	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	84 - 114	
Blank (1410719-BLK1)		**Lab File ID: BLK1002A.D**		**Analyzed: 10/02/14 21:11**			
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	101	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	101	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	96	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	92	84 - 114	
FQC-TB092214JC-001 (1409384-01)		**Lab File ID: 1409384-01.D**		**Analyzed: 10/02/14 21:37**			
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	100	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	102	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	98	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	92	84 - 114	
GA-TU15GW27-01 (1409384-04)		**Lab File ID: 1409384-04.D**		**Analyzed: 10/02/14 22:03**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	102	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	100	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	96	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	93	84 - 114	
GA-TU15GW25-01 (1409384-08)		**Lab File ID: 1409384-08.D**		**Analyzed: 10/02/14 22:29**			
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	101	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	101	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	97	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	92	84 - 114	
GA-TU14GW15-01 (1409422-12)		**Lab File ID: 1409422-12.D**		**Analyzed: 10/02/14 22:55**			
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	103	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	101	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	98	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	92	84 - 114	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water
Sequence: 4J04001

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J02011
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
FQC-TB092314JC-001 (1409422-13)		**Lab File ID: 1409422-13.D Analyzed: 10/02/14 23:21**					
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	101	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	101	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	97	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	90	84 - 114	
FQC-TB092414JC-001 (1409444-01)		**Lab File ID: 1409444-01.D Analyzed: 10/02/14 23:47**					
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	99	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	101	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	96	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	90	84 - 114	
GA-TU14GW20-01 (1409444-02)		**Lab File ID: 1409444-02.D Analyzed: 10/03/14 00:14**					
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	98	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	100	81 - 118	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	84 - 114	
FQC-TB092514JC-001 (1409479-07)		**Lab File ID: 1409479-07.D Analyzed: 10/03/14 00:40**					
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	101	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	104	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	99	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	91	84 - 114	
GA-TU13GW02-01 (1409479-09)		**Lab File ID: 1409479-09.D Analyzed: 10/03/14 01:06**					
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	99	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	105	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	98	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	92	84 - 114	
GA-TU13GW05-01 (1409479-10)		**Lab File ID: 1409479-10.D Analyzed: 10/03/14 01:32**					
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	100	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	103	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	98	89 - 112	
4-Bromofluorobenzene	12.09	12.08	0.01	+/-1.0	92	84 - 114	
GA-TU13GW03-01 (1409479-11)		**Lab File ID: 1409479-11.D Analyzed: 10/03/14 01:58**					
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	102	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	102	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	98	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	95	84 - 114	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Calibration: 4J02011
Sequence: 4J04001
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
FQC-TB092614JC-001 (1409499-01)		**Lab File ID: 1409499-01.D Analyzed: 10/03/14 02:24**					
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	103	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	103	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	97	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	95	84 - 114	
GA-TU16GW29-01 (1409499-06)		**Lab File ID: 1409499-06.D Analyzed: 10/03/14 02:50**					
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	102	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	103	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	97	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	92	84 - 114	
FQC-EB092614JC-001 (1409499-07)		**Lab File ID: 1409499-07.D Analyzed: 10/03/14 03:16**					
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	100	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	100	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	97	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	89	84 - 114	
GA-TU13GW08-01 (1410014-09)		**Lab File ID: 1410014-09.D Analyzed: 10/03/14 03:42**					
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	103	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	103	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	98	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	94	84 - 114	
GA-TU13GW09-01 (1410014-10)		**Lab File ID: 1410014-10.D Analyzed: 10/03/14 04:08**					
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	101	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	104	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	99	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	92	84 - 114	
FQC-TB092914JC-001 (1410014-11)		**Lab File ID: 1410014-11.D Analyzed: 10/03/14 04:34**					
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	103	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	104	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	97	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	91	84 - 114	
GA-TU13GW12-01 (1410025-08)		**Lab File ID: 1410025-08.D Analyzed: 10/03/14 05:00**					
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	102	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	104	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	96	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	90	84 - 114	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water
Sequence: 4J04001

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J02011
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13GW13-01 (1410025-09)		**Lab File ID: 1410025-09.D Analyzed: 10/03/14 05:26**					
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	102	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	101	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	97	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	90	84 - 114	
FQC-TB093014JC-001 (1410025-10)		**Lab File ID: 1410025-10.D Analyzed: 10/03/14 05:53**					
Dibromofluoromethane	5.10	5.10	0.01	+/-1.0	100	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	104	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	98	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	88	84 - 114	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J04001

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J02011
Instrument: 350

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J04001-TUN1	BFB1002A.D	10/02/14 19:26
Calibration Check	4J04001-CCV1	CCV1002A.D	10/02/14 19:53
LCS	1410719-BS1	BS1002A.D	10/02/14 20:19
Blank	1410719-BLK1	BLK1002A.D	10/02/14 21:11
FQC-TB092214JC-001	1409384-01	1409384-01.D	10/02/14 21:37
GA-TU15GW27-01	1409384-04	1409384-04.D	10/02/14 22:03
GA-TU15GW25-01	1409384-08	1409384-08.D	10/02/14 22:29
GA-TU14GW15-01	1409422-12	1409422-12.D	10/02/14 22:55
FQC-TB092314JC-001	1409422-13	1409422-13.D	10/02/14 23:21
FQC-TB092414JC-001	1409444-01	1409444-01.D	10/02/14 23:47
GA-TU14GW20-01	1409444-02	1409444-02.D	10/03/14 00:14
FQC-TB092514JC-001	1409479-07	1409479-07.D	10/03/14 00:40
GA-TU13GW02-01	1409479-09	1409479-09.D	10/03/14 01:06
GA-TU13GW05-01	1409479-10	1409479-10.D	10/03/14 01:32
GA-TU13GW03-01	1409479-11	1409479-11.D	10/03/14 01:58
FQC-TB092614JC-001	1409499-01	1409499-01.D	10/03/14 02:24
GA-TU16GW29-01	1409499-06	1409499-06.D	10/03/14 02:50
FQC-EB092614JC-001	1409499-07	1409499-07.D	10/03/14 03:16
GA-TU13GW08-01	1410014-09	1410014-09.D	10/03/14 03:42
GA-TU13GW09-01	1410014-10	1410014-10.D	10/03/14 04:08
FQC-TB092914JC-001	1410014-11	1410014-11.D	10/03/14 04:34
GA-TU13GW12-01	1410025-08	1410025-08.D	10/03/14 05:00
GA-TU13GW13-01	1410025-09	1410025-09.D	10/03/14 05:26
FQC-TB093014JC-001	1410025-10	1410025-10.D	10/03/14 05:53

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J08061

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J08013
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J08061-CCV1)		**Lab File ID: 20P1008.D**		**Analyzed: 10/08/14 10:47**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	101	80 - 120	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	99	80 - 120	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	80 - 120	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	80 - 120	
LCS (1410909-BS1)		**Lab File ID: BS1008.D**		**Analyzed: 10/08/14 13:31**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	102	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	102	79 - 119	
Blank (1410909-BLK1)		**Lab File ID: BLK1008.D**		**Analyzed: 10/08/14 14:18**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	101	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	99	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	101	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU13SB07-08 (1409479-14)		**Lab File ID: 1409479-14.D**		**Analyzed: 10/08/14 14:42**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	102	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	105	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	97	79 - 119	
GA-TU13SB07-33 (1409479-15)		**Lab File ID: 1409479-15.D**		**Analyzed: 10/08/14 15:05**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	107	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	102	79 - 119	
GA-TU13SB03-33 (1409479-16)		**Lab File ID: 1409479-16.D**		**Analyzed: 10/08/14 15:29**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	106	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU13SB05-12 (1409479-17)		**Lab File ID: 1409479-17.D**		**Analyzed: 10/08/14 15:52**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	106	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	97	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	97	79 - 119	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J08061

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J08013
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13SB05-33 (1409479-18)	**Lab File ID: 1409479-18.D Analyzed: 10/08/14 16:15**						
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	105	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J08061

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J08013

Instrument: 350

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J08061-TUN1	BFB1008.D	10/08/14 09:01
Calibration Check	4J08061-CCV1	20P1008.D	10/08/14 10:47
LCS	1410909-BS1	BS1008.D	10/08/14 13:31
Blank	1410909-BLK1	BLK1008.D	10/08/14 14:18
GA-TU13SB07-08	1409479-14	1409479-14.D	10/08/14 14:42
GA-TU13SB07-33	1409479-15	1409479-15.D	10/08/14 15:05
GA-TU13SB03-33	1409479-16	1409479-16.D	10/08/14 15:29
GA-TU13SB05-12	1409479-17	1409479-17.D	10/08/14 15:52
GA-TU13SB05-33	1409479-18	1409479-18.D	10/08/14 16:15

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J08013
Sequence: 4J09046
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J09046-CCV1)		**Lab File ID: CCV1009.D**		**Analyzed: 10/09/14 07:54**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	80 - 120	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	105	80 - 120	
Toluene-d8	8.65	8.65	0.00	+/-1.0	102	80 - 120	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	103	80 - 120	
LCS (1410976-BS1)		**Lab File ID: BS1009.D**		**Analyzed: 10/09/14 08:17**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	101	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	101	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
Matrix Spike (1410976-MS1)		**Lab File ID: 1409499-08MS**		**Analyzed: 10/09/14 08:41**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	102	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	104	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	103	79 - 119	
Matrix Spike Dup (1410976-MSD1)		**Lab File ID: 1409499-08MS**		**Analyzed: 10/09/14 09:05**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	102	78 - 119	
1,2-Dichloroethane-d4	5.68	5.69	-0.01	+/-1.0	104	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	103	79 - 119	
Blank (1410976-BLK1)		**Lab File ID: BLK1009.D**		**Analyzed: 10/09/14 09:52**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	102	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	98	79 - 119	
GA-TU16SB30-08 (1409499-02)		**Lab File ID: 1409499-02.D**		**Analyzed: 10/09/14 10:16**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	106	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	96	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	88	79 - 119	
GA-TU16SB31-08 (1409499-03)		**Lab File ID: 1409499-03.D**		**Analyzed: 10/09/14 10:39**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	113	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	96	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	97	79 - 119	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J08013
Sequence: 4J09046
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU16SB32-17 (1409499-04)		**Lab File ID: 1409499-04.D Analyzed: 10/09/14 11:03**					
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	106	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	96	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
GA-TU16SB33-10 (1409499-05)		**Lab File ID: 1409499-05.D Analyzed: 10/09/14 11:26**					
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	107	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	98	79 - 119	
GA-TU16SB29-15 (1409499-08)		**Lab File ID: 1409499-08.D Analyzed: 10/09/14 11:50**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	110	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU16SB29-15DUP (1409499-09)		**Lab File ID: 1409499-09.D Analyzed: 10/09/14 12:13**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU16SB29-44 (1409499-10)		**Lab File ID: 1409499-10.D Analyzed: 10/09/14 12:37**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	103	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	106	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU16SB29-44DUP (1409499-11)		**Lab File ID: 1409499-11.D Analyzed: 10/09/14 13:00**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	103	79 - 119	
GA-TU13SB8-15 (1410014-01)		**Lab File ID: 1410014-01.D Analyzed: 10/09/14 13:24**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	107	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	95	79 - 119	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J08013
Sequence: 4J09046
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13SB8-34 (1410014-02)		**Lab File ID: 1410014-02.D Analyzed: 10/09/14 13:47**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	108	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	
GA-TU13SB9-20 (1410014-03)		**Lab File ID: 1410014-03.D Analyzed: 10/09/14 14:10**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	112	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	103	79 - 119	
GA-TU13SB9-34 (1410014-04)		**Lab File ID: 1410014-04.D Analyzed: 10/09/14 14:34**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	110	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
GA-TU13SB10-15 (1410014-05)		**Lab File ID: 1410014-05.D Analyzed: 10/09/14 14:57**					
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	107	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	113	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	93	79 - 119	
GA-TU13SB10-34 (1410014-06)		**Lab File ID: 1410014-06.D Analyzed: 10/09/14 15:21**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	113	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	102	79 - 119	
GA-TU13SB11-20 (1410014-07)		**Lab File ID: 1410014-07.D Analyzed: 10/09/14 15:44**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	110	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	101	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
GA-TU13SB11-34 (1410014-08)		**Lab File ID: 1410014-08.D Analyzed: 10/09/14 16:08**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	102	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	108	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	99	79 - 119	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J09046

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J08013
Instrument: 350

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J09046-TUN1	BFB1009.D	10/09/14 07:28
Calibration Check	4J09046-CCV1	CCV1009.D	10/09/14 07:54
LCS	1410976-BS1	BS1009.D	10/09/14 08:17
GA-TU16SB29-15	1410976-MS1	1409499-08MS.D	10/09/14 08:41
GA-TU16SB29-15	1410976-MSD1	1409499-08MSD.D	10/09/14 09:05
Blank	1410976-BLK1	BLK1009.D	10/09/14 09:52
GA-TU16SB30-08	1409499-02	1409499-02.D	10/09/14 10:16
GA-TU16SB31-08	1409499-03	1409499-03.D	10/09/14 10:39
GA-TU16SB32-17	1409499-04	1409499-04.D	10/09/14 11:03
GA-TU16SB33-10	1409499-05	1409499-05.D	10/09/14 11:26
GA-TU16SB29-15	1409499-08	1409499-08.D	10/09/14 11:50
GA-TU16SB29-15DUP	1409499-09	1409499-09.D	10/09/14 12:13
GA-TU16SB29-44	1409499-10	1409499-10.D	10/09/14 12:37
GA-TU16SB29-44DUP	1409499-11	1409499-11.D	10/09/14 13:00
GA-TU13SB8-15	1410014-01	1410014-01.D	10/09/14 13:24
GA-TU13SB8-34	1410014-02	1410014-02.D	10/09/14 13:47
GA-TU13SB9-20	1410014-03	1410014-03.D	10/09/14 14:10
GA-TU13SB9-34	1410014-04	1410014-04.D	10/09/14 14:34
GA-TU13SB10-15	1410014-05	1410014-05.D	10/09/14 14:57
GA-TU13SB10-34	1410014-06	1410014-06.D	10/09/14 15:21
GA-TU13SB11-20	1410014-07	1410014-07.D	10/09/14 15:44
GA-TU13SB11-34	1410014-08	1410014-08.D	10/09/14 16:08

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J08013
Sequence: 4J10037
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J10037-CCV1)		**Lab File ID: CCV1010A.D**		**Analyzed: 10/10/14 08:19**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	103	80 - 120	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	101	80 - 120	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	80 - 120	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	102	80 - 120	
LCS (1411044-BS1)		**Lab File ID: BS1010A.D**		**Analyzed: 10/10/14 08:43**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	100	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	97	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	102	79 - 119	
Blank (1411044-BLK1)		**Lab File ID: BLK1010.D**		**Analyzed: 10/10/14 09:30**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	101	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	100	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
GA-TU13SB12-15 (1410025-01)		**Lab File ID: 1410025-01.D**		**Analyzed: 10/10/14 09:53**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.69	5.69	0.00	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	99	79 - 119	
GA-TU13SB12-34 (1410025-02)		**Lab File ID: 1410025-02.D**		**Analyzed: 10/10/14 10:16**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	110	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	99	79 - 119	
GA-TU13SB13-20 (1410025-03)		**Lab File ID: 1410025-03.D**		**Analyzed: 10/10/14 10:39**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	106	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	108	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	98	79 - 119	
GA-TU13SB13-34 (1410025-04)		**Lab File ID: 1410025-04.D**		**Analyzed: 10/10/14 11:01**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	106	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	107	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	97	79 - 119	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J08013
Sequence: 4J10037
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13SB14-15 (1410025-05)		**Lab File ID: 1410025-05.D Analyzed: 10/10/14 11:24**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	108	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	111	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	96	79 - 119	
GA-TU13SB14-34 (1410025-06)		**Lab File ID: 1410025-06.D Analyzed: 10/10/14 11:46**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	110	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	98	79 - 119	
GA-TU13SB14-34DUP (1410025-07)		**Lab File ID: 1410025-07.D Analyzed: 10/10/14 12:09**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	111	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	94	79 - 119	
GA-TU17SB34-15 (1410085-01)		**Lab File ID: 1410085-01.D Analyzed: 10/10/14 12:31**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
GA-TU17SB36-20 (1410085-05)		**Lab File ID: 1410085-05.D Analyzed: 10/10/14 13:39**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
GA-TU17SB38-15 (1410085-06)		**Lab File ID: 1410085-06.D Analyzed: 10/10/14 14:01**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	108	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	99	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	99	79 - 119	
GA-TU017SB34-37DUP (1410085-08)		**Lab File ID: 1410085-08.D Analyzed: 10/10/14 14:24**					
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	97	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	99	79 - 119	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J08013
Sequence: 4J10037
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU17SB35-15 (1410085-04)		**Lab File ID: 1410085-04A.D**		**Analyzed: 10/10/14 14:46**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	104	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	112	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	103	79 - 119	
GA-TU17SB34-37 (1410085-02)		**Lab File ID: 1410085-02A.D**		**Analyzed: 10/10/14 15:09**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	106	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	110	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	97	79 - 119	
GA-TU017SB38-15DUP (1410085-09)		**Lab File ID: 1410085-09.D**		**Analyzed: 10/10/14 15:31**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	107	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	111	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	103	79 - 119	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J10037

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J08013

Instrument: 350

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J10037-TUN1	BFB1010.D	10/10/14 07:28
Calibration Check	4J10037-CCV1	CCV1010A.D	10/10/14 08:19
LCS	1411044-BS1	BS1010A.D	10/10/14 08:43
Blank	1411044-BLK1	BLK1010.D	10/10/14 09:30
GA-TU13SB12-15	1410025-01	1410025-01.D	10/10/14 09:53
GA-TU13SB12-34	1410025-02	1410025-02.D	10/10/14 10:16
GA-TU13SB13-20	1410025-03	1410025-03.D	10/10/14 10:39
GA-TU13SB13-34	1410025-04	1410025-04.D	10/10/14 11:01
GA-TU13SB14-15	1410025-05	1410025-05.D	10/10/14 11:24
GA-TU13SB14-34	1410025-06	1410025-06.D	10/10/14 11:46
GA-TU13SB14-34DUP	1410025-07	1410025-07.D	10/10/14 12:09
GA-TU17SB34-15	1410085-01	1410085-01.D	10/10/14 12:31
GA-TU17SB36-20	1410085-05	1410085-05.D	10/10/14 13:39
GA-TU17SB38-15	1410085-06	1410085-06.D	10/10/14 14:01
GA-TU017SB34-37DUP	1410085-08	1410085-08.D	10/10/14 14:24
GA-TU17SB35-15	1410085-04	1410085-04A.D	10/10/14 14:46
GA-TU17SB34-37	1410085-02	1410085-02A.D	10/10/14 15:09
GA-TU017SB38-15DUP	1410085-09	1410085-09.D	10/10/14 15:31

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Calibration: 4J02011
Sequence: 4J14046
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J14046-CCV1)		**Lab File ID: CCV1013A.D**		**Analyzed: 10/13/14 19:37**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	97	80 - 120	
1,2-Dichloroethane-d4	5.68	5.68	-0.01	+/-1.0	96	80 - 120	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	80 - 120	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	80 - 120	
LCS (1411272-BS1)		**Lab File ID: BS1013A.D**		**Analyzed: 10/13/14 20:03**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	96	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	96	81 - 118	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	84 - 114	
Blank (1411272-BLK1)		**Lab File ID: BLK1013A.D**		**Analyzed: 10/13/14 20:55**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	95	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	-0.01	+/-1.0	96	81 - 118	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	96	84 - 114	
FQC-TB100114JC-001 (1410085-07)		**Lab File ID: 1410085-07.D**		**Analyzed: 10/13/14 21:47**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	98	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	98	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	99	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	93	84 - 114	
GA-TU17GW34-01 (1410085-03)		**Lab File ID: 1410085-03.D**		**Analyzed: 10/13/14 22:14**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	97	80 - 119	
1,2-Dichloroethane-d4	5.68	5.68	0.00	+/-1.0	96	81 - 118	
Toluene-d8	8.65	8.65	0.01	+/-1.0	98	89 - 112	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	93	84 - 114	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J14046

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J02011

Instrument: 350

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J14046-TUN1	BFB1013A.D	10/13/14 19:11
Calibration Check	4J14046-CCV1	CCV1013A.D	10/13/14 19:37
LCS	1411272-BS1	BS1013A.D	10/13/14 20:03
Blank	1411272-BLK1	BLK1013A.D	10/13/14 20:55
FQC-TB100114JC-001	1410085-07	1410085-07.D	10/13/14 21:47
GA-TU17GW34-01	1410085-03	1410085-03.D	10/13/14 22:14

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J08013
Sequence: 4J15036
Instrument: 350

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J15036-CCV1)		**Lab File ID: CCV1014.D**		**Analyzed: 10/14/14 09:15**			
Dibromofluoromethane	5.10	5.10	0.00	+/-1.0	100	80 - 120	
1,2-Dichloroethane-d4	5.68	5.69	-0.01	+/-1.0	101	80 - 120	
Toluene-d8	8.65	8.65	-0.01	+/-1.0	100	80 - 120	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	104	80 - 120	
LCS (1411328-BS1)		**Lab File ID: BS1014.D**		**Analyzed: 10/14/14 09:38**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	99	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	97	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	101	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	100	79 - 119	
Blank (1411328-BLK1)		**Lab File ID: BLK1014.D**		**Analyzed: 10/14/14 10:23**			
Dibromofluoromethane	5.11	5.10	0.00	+/-1.0	100	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	99	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	98	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	99	79 - 119	
GA-TU17SB34-15 (1410085-01RE1)		**Lab File ID: 1410085-01.D**		**Analyzed: 10/14/14 17:53**			
Dibromofluoromethane	5.11	5.10	0.01	+/-1.0	105	78 - 119	
1,2-Dichloroethane-d4	5.70	5.69	0.01	+/-1.0	109	71 - 136	
Toluene-d8	8.65	8.65	0.00	+/-1.0	100	85 - 116	
4-Bromofluorobenzene	12.08	12.08	0.00	+/-1.0	101	79 - 119	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J15036

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J08013

Instrument: 350

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J15036-TUN1	BFB1014.D	10/14/14 08:49
Calibration Check	4J15036-CCV1	CCV1014.D	10/14/14 09:15
LCS	1411328-BS1	BS1014.D	10/14/14 09:38
Blank	1411328-BLK1	BLK1014.D	10/14/14 10:23
GA-TU17SB34-15	1410085-01RE1	1410085-01.D	10/14/14 17:53

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410493

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410493-MS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Acetone	20.8	16.6	28.7	58	36 - 164	ug/kg dry
Benzene	20.8	ND	19.4	93	77 - 121	ug/kg dry
Bromobenzene	20.8	ND	18.5	89	78 - 121	ug/kg dry
Bromochloromethane	20.8	ND	21.0	101	78 - 125	ug/kg dry
Bromodichloromethane	20.8	ND	20.9	100	75 - 127	ug/kg dry
Bromoform	20.8	ND	20.9	100	67 - 132	ug/kg dry
Bromomethane	20.8	ND	18.2	87	53 - 143	ug/kg dry
n-Butylbenzene	20.8	ND	20.1	97	70 - 128	ug/kg dry
sec-Butylbenzene	20.8	ND	19.7	94	70 - 128	ug/kg dry
tert-Butylbenzene	20.8	ND	19.3	93	73 - 125	ug/kg dry
Carbon Disulfide	20.8	ND	18.7	90	63 - 132	ug/kg dry
Carbon Tetrachloride	20.8	ND	22.3	107	70 - 135	ug/kg dry
Chlorobenzene	20.8	0.234	18.9	89	79 - 120	ug/kg dry
Chloroethane	20.8	ND	19.6	94	59 - 139	ug/kg dry
Chloroform	20.8	ND	20.8	100	78 - 123	ug/kg dry
Chloromethane	20.8	ND	19.3	93	50 - 136	ug/kg dry
2-Chlorotoluene	20.8	ND	19.4	93	75 - 122	ug/kg dry
4-Chlorotoluene	20.8	ND	19.2	92	72 - 124	ug/kg dry
1,2-Dibromo-3-chloropropane	20.8	ND	21.2	102	61 - 132	ug/kg dry
Dibromochloromethane	20.8	ND	21.3	102	74 - 126	ug/kg dry
1,2-Dibromoethane	20.8	ND	20.5	99	78 - 122	ug/kg dry
Dibromomethane	20.8	ND	20.4	98	78 - 125	ug/kg dry
1,2-Dichlorobenzene	20.8	ND	19.1	91	78 - 121	ug/kg dry
1,3-Dichlorobenzene	20.8	ND	19.3	93	77 - 121	ug/kg dry
1,4-Dichlorobenzene	20.8	ND	19.0	91	75 - 120	ug/kg dry
Dichlorodifluoromethane	20.8	ND	19.6	94	29 - 149	ug/kg dry
1,1-Dichloroethane	20.8	ND	19.7	95	76 - 125	ug/kg dry
1,2-Dichloroethane	20.8	ND	20.7	99	73 - 128	ug/kg dry
1,1-Dichloroethene	20.8	ND	21.2	102	70 - 131	ug/kg dry
cis-1,2-Dichloroethene	20.8	ND	20.9	100	77 - 123	ug/kg dry
trans-1,2-Dichloroethene	20.8	ND	19.7	95	74 - 125	ug/kg dry
1,2-Dichloropropane	20.8	ND	20.4	98	76 - 123	ug/kg dry
1,3-Dichloropropane	20.8	ND	21.0	101	77 - 121	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410493

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410493-MS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
2,2-Dichloropropane	20.8	ND	21.0	101	67 - 133	ug/kg dry
1,1-Dichloropropene	20.8	ND	21.1	101	76 - 125	ug/kg dry
cis-1,3-Dichloropropene	20.8	ND	19.2	92	74 - 126	ug/kg dry
trans-1,3-Dichloropropene	20.8	ND	19.0	91	71 - 130	ug/kg dry
Ethylbenzene	20.8	5.41	29.6	116	76 - 122	ug/kg dry
Hexachlorobutadiene	20.8	ND	19.5	94	61 - 135	ug/kg dry
2-Hexanone	20.8	ND	21.0	101	53 - 145	ug/kg dry
Isopropylbenzene	20.8	ND	20.0	96	68 - 134	ug/kg dry
4-Isopropyltoluene	20.8	ND	19.6	94	73 - 127	ug/kg dry
Methylene Chloride	20.8	ND	13.6	65 *	70 - 128	ug/kg dry
2-Butanone (MEK)	20.8	ND	18.3	88	51 - 148	ug/kg dry
4-Methyl-2-pentanone (MIBK)	20.8	ND	21.2	102	65 - 135	ug/kg dry
Naphthalene	20.8	ND	18.9	91	62 - 129	ug/kg dry
n-Propylbenzene	20.8	ND	19.5	94	73 - 125	ug/kg dry
Styrene	20.8	ND	20.0	96	76 - 124	ug/kg dry
1,1,1,2-Tetrachloroethane	20.8	ND	19.6	94	78 - 125	ug/kg dry
1,1,2,2-Tetrachloroethane	20.8	ND	21.6	104	70 - 124	ug/kg dry
Tetrachloroethene	20.8	ND	20.4	98	73 - 128	ug/kg dry
Toluene	20.8	11.5	38.6	130 *	77 - 121	ug/kg dry
1,2,3-Trichlorobenzene	20.8	ND	19.0	91	66 - 130	ug/kg dry
1,2,4-Trichlorobenzene	20.8	ND	19.6	94	67 - 129	ug/kg dry
1,1,1-Trichloroethane	20.8	ND	20.8	100	73 - 130	ug/kg dry
1,1,2-Trichloroethane	20.8	ND	20.9	100	78 - 121	ug/kg dry
Trichloroethene	20.8	ND	19.8	95	77 - 123	ug/kg dry
Trichlorofluoromethane	20.8	ND	21.3	102	62 - 140	ug/kg dry
1,2,3-Trichloropropane	20.8	ND	21.3	102	73 - 125	ug/kg dry
1,2,4-Trimethylbenzene	20.8	0.181	19.1	91	75 - 123	ug/kg dry
1,3,5-Trimethylbenzene	20.8	ND	19.6	94	73 - 124	ug/kg dry
Vinyl Chloride	20.8	ND	20.5	98	56 - 135	ug/kg dry
Xylene, Meta + Para	41.7	21.9	77.9	135 *	77 - 124	ug/kg dry
Xylene, Ortho	20.8	4.68	27.6	110	77 - 123	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410493

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410493-MSD1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Acetone	20.8	28.7	58	0	20	36 - 164	ug/kg dry
Benzene	20.8	19.3	93	0.5	20	77 - 121	ug/kg dry
Bromobenzene	20.8	19.5	93	5	20	78 - 121	ug/kg dry
Bromochloromethane	20.8	21.4	103	2	20	78 - 125	ug/kg dry
Bromodichloromethane	20.8	21.6	104	3	20	75 - 127	ug/kg dry
Bromoform	20.8	20.9	100	0.1	20	67 - 132	ug/kg dry
Bromomethane	20.8	17.7	85	3	20	53 - 143	ug/kg dry
n-Butylbenzene	20.8	20.3	97	0.8	20	70 - 128	ug/kg dry
sec-Butylbenzene	20.8	19.9	95	1	20	70 - 128	ug/kg dry
tert-Butylbenzene	20.8	19.6	94	1	20	73 - 125	ug/kg dry
Carbon Disulfide	20.8	17.8	85	5	20	63 - 132	ug/kg dry
Carbon Tetrachloride	20.8	20.7	99	7	20	70 - 135	ug/kg dry
Chlorobenzene	20.8	19.1	91	1	20	79 - 120	ug/kg dry
Chloroethane	20.8	18.9	91	4	20	59 - 139	ug/kg dry
Chloroform	20.8	20.7	99	0.8	20	78 - 123	ug/kg dry
Chloromethane	20.8	18.5	89	4	20	50 - 136	ug/kg dry
2-Chlorotoluene	20.8	19.7	95	2	20	75 - 122	ug/kg dry
4-Chlorotoluene	20.8	19.5	93	2	20	72 - 124	ug/kg dry
1,2-Dibromo-3-chloropropane	20.8	23.5	113	10	20	61 - 132	ug/kg dry
Dibromochloromethane	20.8	21.5	103	1	20	74 - 126	ug/kg dry
1,2-Dibromoethane	20.8	22.2	107	8	20	78 - 122	ug/kg dry
Dibromomethane	20.8	22.8	110	11	20	78 - 125	ug/kg dry
1,2-Dichlorobenzene	20.8	19.7	95	3	20	78 - 121	ug/kg dry
1,3-Dichlorobenzene	20.8	19.6	94	1	20	77 - 121	ug/kg dry
1,4-Dichlorobenzene	20.8	19.4	93	2	20	75 - 120	ug/kg dry
Dichlorodifluoromethane	20.8	18.5	89	5	20	29 - 149	ug/kg dry
1,1-Dichloroethane	20.8	19.1	92	3	20	76 - 125	ug/kg dry
1,2-Dichloroethane	20.8	21.8	105	5	20	73 - 128	ug/kg dry
1,1-Dichloroethene	20.8	20.3	97	4	20	70 - 131	ug/kg dry
cis-1,2-Dichloroethene	20.8	21.4	103	3	20	77 - 123	ug/kg dry
trans-1,2-Dichloroethene	20.8	19.4	93	1	20	74 - 125	ug/kg dry
1,2-Dichloropropane	20.8	21.1	101	3	20	76 - 123	ug/kg dry
1,3-Dichloropropane	20.8	22.2	107	6	20	77 - 121	ug/kg dry
2,2-Dichloropropane	20.8	20.7	99	2	20	67 - 133	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410493

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410493-MSD1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,1-Dichloropropene	20.8	20.1	96	5	20	76 - 125	ug/kg dry
cis-1,3-Dichloropropene	20.8	19.9	96	4	20	74 - 126	ug/kg dry
trans-1,3-Dichloropropene	20.8	19.1	92	0.3	20	71 - 130	ug/kg dry
Ethylbenzene	20.8	25.8	98	14	20	76 - 122	ug/kg dry
Hexachlorobutadiene	20.8	19.8	95	2	20	61 - 135	ug/kg dry
2-Hexanone	20.8	21.0	101	0.05	20	53 - 145	ug/kg dry
Isopropylbenzene	20.8	19.7	94	1	20	68 - 134	ug/kg dry
4-Isopropyltoluene	20.8	19.5	94	0.7	20	73 - 127	ug/kg dry
Methylene Chloride	20.8	14.2	68 *	4	20	70 - 128	ug/kg dry
2-Butanone (MEK)	20.8	18.5	89	1	20	51 - 148	ug/kg dry
4-Methyl-2-pentanone (MIBK)	20.8	21.9	105	4	20	65 - 135	ug/kg dry
Naphthalene	20.8	20.9	100	10	20	62 - 129	ug/kg dry
n-Propylbenzene	20.8	19.5	93	0.4	20	73 - 125	ug/kg dry
Styrene	20.8	19.8	95	0.8	20	76 - 124	ug/kg dry
1,1,1,2-Tetrachloroethane	20.8	20.2	97	3	20	78 - 125	ug/kg dry
1,1,2,2-Tetrachloroethane	20.8	23.5	113	8	20	70 - 124	ug/kg dry
Tetrachloroethene	20.8	19.9	96	2	20	73 - 128	ug/kg dry
Toluene	20.8	33.4	106	14	20	77 - 121	ug/kg dry
1,2,3-Trichlorobenzene	20.8	20.4	98	7	20	66 - 130	ug/kg dry
1,2,4-Trichlorobenzene	20.8	20.6	99	5	20	67 - 129	ug/kg dry
1,1,1-Trichloroethane	20.8	19.9	95	5	20	73 - 130	ug/kg dry
1,1,2-Trichloroethane	20.8	21.8	105	4	20	78 - 121	ug/kg dry
Trichloroethene	20.8	19.5	94	2	20	77 - 123	ug/kg dry
Trichlorofluoromethane	20.8	20.7	99	3	20	62 - 140	ug/kg dry
1,2,3-Trichloropropane	20.8	23.0	110	8	20	73 - 125	ug/kg dry
1,2,4-Trimethylbenzene	20.8	19.5	93	2	20	75 - 123	ug/kg dry
1,3,5-Trimethylbenzene	20.8	19.9	96	2	20	73 - 124	ug/kg dry
Vinyl Chloride	20.8	19.9	95	3	20	56 - 135	ug/kg dry
Xylene, Meta + Para	41.7	65.5	105	17	20	77 - 124	ug/kg dry
Xylene, Ortho	20.8	25.2	98	9	20	77 - 123	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410976

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410976-MS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Acetone	20.7	22.9	34.4	55	36 - 164	ug/kg dry
Benzene	20.7	ND	18.9	91	77 - 121	ug/kg dry
Bromobenzene	20.7	ND	17.3	84	78 - 121	ug/kg dry
Bromochloromethane	20.7	ND	19.3	93	78 - 125	ug/kg dry
Bromodichloromethane	20.7	ND	20.7	100	75 - 127	ug/kg dry
Bromoform	20.7	ND	21.4	103	67 - 132	ug/kg dry
Bromomethane	20.7	ND	18.4	89	53 - 143	ug/kg dry
n-Butylbenzene	20.7	ND	17.2	83	70 - 128	ug/kg dry
sec-Butylbenzene	20.7	ND	17.0	82	70 - 128	ug/kg dry
tert-Butylbenzene	20.7	ND	16.1	78	73 - 125	ug/kg dry
Carbon Disulfide	20.7	ND	19.1	92	63 - 132	ug/kg dry
Carbon Tetrachloride	20.7	ND	20.1	97	70 - 135	ug/kg dry
Chlorobenzene	20.7	ND	18.4	89	79 - 120	ug/kg dry
Chloroethane	20.7	ND	18.0	87	59 - 139	ug/kg dry
Chloroform	20.7	ND	18.7	91	78 - 123	ug/kg dry
Chloromethane	20.7	ND	18.3	89	50 - 136	ug/kg dry
2-Chlorotoluene	20.7	ND	17.4	84	75 - 122	ug/kg dry
4-Chlorotoluene	20.7	ND	17.5	85	72 - 124	ug/kg dry
1,2-Dibromo-3-chloropropane	20.7	ND	21.7	105	61 - 132	ug/kg dry
Dibromochloromethane	20.7	ND	21.1	102	74 - 126	ug/kg dry
1,2-Dibromoethane	20.7	ND	20.9	101	78 - 122	ug/kg dry
Dibromomethane	20.7	ND	21.0	102	78 - 125	ug/kg dry
1,2-Dichlorobenzene	20.7	ND	17.8	86	78 - 121	ug/kg dry
1,3-Dichlorobenzene	20.7	ND	17.4	84	77 - 121	ug/kg dry
1,4-Dichlorobenzene	20.7	ND	17.6	85	75 - 120	ug/kg dry
Dichlorodifluoromethane	20.7	ND	18.7	90	29 - 149	ug/kg dry
1,1-Dichloroethane	20.7	ND	19.1	92	76 - 125	ug/kg dry
1,2-Dichloroethane	20.7	ND	20.2	98	73 - 128	ug/kg dry
1,1-Dichloroethene	20.7	ND	18.8	91	70 - 131	ug/kg dry
cis-1,2-Dichloroethene	20.7	ND	19.0	92	77 - 123	ug/kg dry
trans-1,2-Dichloroethene	20.7	ND	18.2	88	74 - 125	ug/kg dry
1,2-Dichloropropane	20.7	ND	19.8	96	76 - 123	ug/kg dry
1,3-Dichloropropane	20.7	ND	20.8	100	77 - 121	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410976

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410976-MS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
2,2-Dichloropropane	20.7	ND	18.3	88	67 - 133	ug/kg dry
1,1-Dichloropropene	20.7	ND	18.5	89	76 - 125	ug/kg dry
cis-1,3-Dichloropropene	20.7	ND	20.3	98	74 - 126	ug/kg dry
trans-1,3-Dichloropropene	20.7	ND	20.5	99	71 - 130	ug/kg dry
Ethylbenzene	20.7	1.16	20.7	94	76 - 122	ug/kg dry
Hexachlorobutadiene	20.7	ND	16.4	79	61 - 135	ug/kg dry
2-Hexanone	20.7	ND	20.1	97	53 - 145	ug/kg dry
Isopropylbenzene	20.7	ND	16.8	81	68 - 134	ug/kg dry
4-Isopropyltoluene	20.7	ND	16.8	81	73 - 127	ug/kg dry
Methylene Chloride	20.7	1.08	21.5	99	70 - 128	ug/kg dry
2-Butanone (MEK)	20.7	3.71	20.2	80	51 - 148	ug/kg dry
4-Methyl-2-pentanone (MIBK)	20.7	ND	21.0	101	65 - 135	ug/kg dry
Naphthalene	20.7	ND	18.8	91	62 - 129	ug/kg dry
n-Propylbenzene	20.7	ND	16.9	82	73 - 125	ug/kg dry
Styrene	20.7	ND	19.7	95	76 - 124	ug/kg dry
1,1,1,2-Tetrachloroethane	20.7	ND	20.0	96	78 - 125	ug/kg dry
1,1,2,2-Tetrachloroethane	20.7	ND	19.0	92	70 - 124	ug/kg dry
Tetrachloroethene	20.7	ND	17.7	85	73 - 128	ug/kg dry
Toluene	20.7	1.66	22.0	98	77 - 121	ug/kg dry
1,2,3-Trichlorobenzene	20.7	ND	18.0	87	66 - 130	ug/kg dry
1,2,4-Trichlorobenzene	20.7	ND	18.2	88	67 - 129	ug/kg dry
1,1,1-Trichloroethane	20.7	ND	18.7	91	73 - 130	ug/kg dry
1,1,2-Trichloroethane	20.7	ND	19.5	94	78 - 121	ug/kg dry
Trichloroethene	20.7	ND	18.3	88	77 - 123	ug/kg dry
Trichlorofluoromethane	20.7	ND	18.4	89	62 - 140	ug/kg dry
1,2,3-Trichloropropane	20.7	ND	19.4	94	73 - 125	ug/kg dry
1,2,4-Trimethylbenzene	20.7	ND	17.0	82	75 - 123	ug/kg dry
1,3,5-Trimethylbenzene	20.7	ND	17.1	83	73 - 124	ug/kg dry
Vinyl Chloride	20.7	ND	19.0	92	56 - 135	ug/kg dry
Xylene, Meta + Para	41.4	4.67	47.6	104	77 - 124	ug/kg dry
Xylene, Ortho	20.7	1.27	21.5	98	77 - 123	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410976

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410976-MSD1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Acetone	20.7	31.2	40	10	20	36 - 164	ug/kg dry
Benzene	20.7	20.1	97	6	20	77 - 121	ug/kg dry
Bromobenzene	20.7	19.4	94	11	20	78 - 121	ug/kg dry
Bromochloromethane	20.7	20.4	98	6	20	78 - 125	ug/kg dry
Bromodichloromethane	20.7	21.4	103	3	20	75 - 127	ug/kg dry
Bromoform	20.7	22.6	109	6	20	67 - 132	ug/kg dry
Bromomethane	20.7	18.2	88	0.7	20	53 - 143	ug/kg dry
n-Butylbenzene	20.7	18.2	88	6	20	70 - 128	ug/kg dry
sec-Butylbenzene	20.7	18.2	88	7	20	70 - 128	ug/kg dry
tert-Butylbenzene	20.7	17.6	85	9	20	73 - 125	ug/kg dry
Carbon Disulfide	20.7	18.5	89	3	20	63 - 132	ug/kg dry
Carbon Tetrachloride	20.7	21.7	105	8	20	70 - 135	ug/kg dry
Chlorobenzene	20.7	19.6	95	6	20	79 - 120	ug/kg dry
Chloroethane	20.7	19.2	93	6	20	59 - 139	ug/kg dry
Chloroform	20.7	20.0	97	7	20	78 - 123	ug/kg dry
Chloromethane	20.7	18.9	91	3	20	50 - 136	ug/kg dry
2-Chlorotoluene	20.7	18.8	91	7	20	75 - 122	ug/kg dry
4-Chlorotoluene	20.7	18.4	89	5	20	72 - 124	ug/kg dry
1,2-Dibromo-3-chloropropane	20.7	24.9	120	14	20	61 - 132	ug/kg dry
Dibromochloromethane	20.7	22.3	108	6	20	74 - 126	ug/kg dry
1,2-Dibromoethane	20.7	21.3	103	2	20	78 - 122	ug/kg dry
Dibromomethane	20.7	21.8	106	4	20	78 - 125	ug/kg dry
1,2-Dichlorobenzene	20.7	18.9	91	6	20	78 - 121	ug/kg dry
1,3-Dichlorobenzene	20.7	18.5	89	6	20	77 - 121	ug/kg dry
1,4-Dichlorobenzene	20.7	18.7	90	6	20	75 - 120	ug/kg dry
Dichlorodifluoromethane	20.7	20.4	99	9	20	29 - 149	ug/kg dry
1,1-Dichloroethane	20.7	20.1	97	5	20	76 - 125	ug/kg dry
1,2-Dichloroethane	20.7	20.9	101	3	20	73 - 128	ug/kg dry
1,1-Dichloroethene	20.7	20.0	97	6	20	70 - 131	ug/kg dry
cis-1,2-Dichloroethene	20.7	19.4	94	2	20	77 - 123	ug/kg dry
trans-1,2-Dichloroethene	20.7	19.1	92	4	20	74 - 125	ug/kg dry
1,2-Dichloropropane	20.7	20.6	100	4	20	76 - 123	ug/kg dry
1,3-Dichloropropane	20.7	21.3	103	2	20	77 - 121	ug/kg dry
2,2-Dichloropropane	20.7	19.9	96	9	20	67 - 133	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

QC Batch: 1410976

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410976-MSD1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,1-Dichloropropene	20.7	19.4	94	5	20	76 - 125	ug/kg dry
cis-1,3-Dichloropropene	20.7	21.1	102	4	20	74 - 126	ug/kg dry
trans-1,3-Dichloropropene	20.7	21.2	102	3	20	71 - 130	ug/kg dry
Ethylbenzene	20.7	21.1	96	2	20	76 - 122	ug/kg dry
Hexachlorobutadiene	20.7	17.4	84	6	20	61 - 135	ug/kg dry
2-Hexanone	20.7	17.3	84	15	20	53 - 145	ug/kg dry
Isopropylbenzene	20.7	18.2	88	8	20	68 - 134	ug/kg dry
4-Isopropyltoluene	20.7	17.9	86	6	20	73 - 127	ug/kg dry
Methylene Chloride	20.7	22.7	104	5	20	70 - 128	ug/kg dry
2-Butanone (MEK)	20.7	18.5	72	9	20	51 - 148	ug/kg dry
4-Methyl-2-pentanone (MIBK)	20.7	19.0	92	10	20	65 - 135	ug/kg dry
Naphthalene	20.7	19.9	96	6	20	62 - 129	ug/kg dry
n-Propylbenzene	20.7	17.7	85	4	20	73 - 125	ug/kg dry
Styrene	20.7	19.8	96	0.6	20	76 - 124	ug/kg dry
1,1,1,2-Tetrachloroethane	20.7	21.5	104	7	20	78 - 125	ug/kg dry
1,1,2,2-Tetrachloroethane	20.7	20.9	101	9	20	70 - 124	ug/kg dry
Tetrachloroethene	20.7	19.1	92	7	20	73 - 128	ug/kg dry
Toluene	20.7	22.4	100	2	20	77 - 121	ug/kg dry
1,2,3-Trichlorobenzene	20.7	19.0	92	6	20	66 - 130	ug/kg dry
1,2,4-Trichlorobenzene	20.7	19.4	94	7	20	67 - 129	ug/kg dry
1,1,1-Trichloroethane	20.7	19.9	96	6	20	73 - 130	ug/kg dry
1,1,2-Trichloroethane	20.7	20.4	99	5	20	78 - 121	ug/kg dry
Trichloroethene	20.7	19.4	94	6	20	77 - 123	ug/kg dry
Trichlorofluoromethane	20.7	19.8	96	7	20	62 - 140	ug/kg dry
1,2,3-Trichloropropane	20.7	22.5	109	15	20	73 - 125	ug/kg dry
1,2,4-Trimethylbenzene	20.7	18.0	87	6	20	75 - 123	ug/kg dry
1,3,5-Trimethylbenzene	20.7	18.3	88	7	20	73 - 124	ug/kg dry
Vinyl Chloride	20.7	19.2	93	1	20	56 - 135	ug/kg dry
Xylene, Meta + Para	41.4	48.2	105	1	20	77 - 124	ug/kg dry
Xylene, Ortho	20.7	22.0	100	2	20	77 - 123	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410493

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410493-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Sequence: 4J01003

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	20.0	11.2	56	36 - 164	ug/kg wet
Benzene	20.0	18.2	91	77 - 121	ug/kg wet
Bromobenzene	20.0	18.2	91	78 - 121	ug/kg wet
Bromochloromethane	20.0	19.0	95	78 - 125	ug/kg wet
Bromodichloromethane	20.0	19.4	97	75 - 127	ug/kg wet
Bromoform	20.0	18.0	90	67 - 132	ug/kg wet
Bromomethane	20.0	16.3	82	53 - 143	ug/kg wet
n-Butylbenzene	20.0	19.4	97	70 - 128	ug/kg wet
sec-Butylbenzene	20.0	19.3	97	70 - 128	ug/kg wet
tert-Butylbenzene	20.0	18.9	94	73 - 125	ug/kg wet
Carbon Disulfide	20.0	17.9	90	63 - 132	ug/kg wet
Carbon Tetrachloride	20.0	20.6	103	70 - 135	ug/kg wet
Chlorobenzene	20.0	17.8	89	79 - 120	ug/kg wet
Chloroethane	20.0	17.9	90	59 - 139	ug/kg wet
Chloroform	20.0	19.7	99	78 - 123	ug/kg wet
Chloromethane	20.0	18.4	92	50 - 136	ug/kg wet
2-Chlorotoluene	20.0	19.2	96	75 - 122	ug/kg wet
4-Chlorotoluene	20.0	18.8	94	72 - 124	ug/kg wet
1,2-Dibromo-3-chloropropane	20.0	18.5	93	61 - 132	ug/kg wet
Dibromochloromethane	20.0	19.7	98	74 - 126	ug/kg wet
1,2-Dibromoethane	20.0	18.7	94	78 - 122	ug/kg wet
Dibromomethane	20.0	18.7	94	78 - 125	ug/kg wet
1,2-Dichlorobenzene	20.0	18.4	92	78 - 121	ug/kg wet
1,3-Dichlorobenzene	20.0	18.7	93	77 - 121	ug/kg wet
1,4-Dichlorobenzene	20.0	18.7	93	75 - 120	ug/kg wet
Dichlorodifluoromethane	20.0	17.6	88	29 - 149	ug/kg wet
1,1-Dichloroethane	20.0	18.5	93	76 - 125	ug/kg wet
1,2-Dichloroethane	20.0	18.7	94	73 - 128	ug/kg wet
1,1-Dichloroethene	20.0	19.1	96	70 - 131	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410493-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1410493
Sequence: 4J01003

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	20.0	19.4	97	77 - 123	ug/kg wet
trans-1,2-Dichloroethene	20.0	18.1	90	74 - 125	ug/kg wet
1,2-Dichloropropane	20.0	19.2	96	76 - 123	ug/kg wet
1,3-Dichloropropane	20.0	19.3	97	77 - 121	ug/kg wet
2,2-Dichloropropane	20.0	19.4	97	67 - 133	ug/kg wet
1,1-Dichloropropene	20.0	18.6	93	76 - 125	ug/kg wet
cis-1,3-Dichloropropene	20.0	18.4	92	74 - 126	ug/kg wet
trans-1,3-Dichloropropene	20.0	17.4	87	71 - 130	ug/kg wet
Ethylbenzene	20.0	18.8	94	76 - 122	ug/kg wet
Hexachlorobutadiene	20.0	19.4	97	61 - 135	ug/kg wet
2-Hexanone	20.0	17.2	86	53 - 145	ug/kg wet
Isopropylbenzene	20.0	18.9	94	68 - 134	ug/kg wet
4-Isopropyltoluene	20.0	19.0	95	73 - 127	ug/kg wet
Methylene Chloride	20.0	20.9	105	70 - 128	ug/kg wet
2-Butanone (MEK)	20.0	15.9	80	51 - 148	ug/kg wet
4-Methyl-2-pentanone (MIBK)	20.0	17.7	89	65 - 135	ug/kg wet
Naphthalene	20.0	16.0	80	62 - 129	ug/kg wet
n-Propylbenzene	20.0	19.0	95	73 - 125	ug/kg wet
Styrene	20.0	18.6	93	76 - 124	ug/kg wet
1,1,1,2-Tetrachloroethane	20.0	18.4	92	78 - 125	ug/kg wet
1,1,2,2-Tetrachloroethane	20.0	19.0	95	70 - 124	ug/kg wet
Tetrachloroethene	20.0	19.0	95	73 - 128	ug/kg wet
Toluene	20.0	18.6	93	77 - 121	ug/kg wet
1,2,3-Trichlorobenzene	20.0	17.7	88	66 - 130	ug/kg wet
1,2,4-Trichlorobenzene	20.0	18.0	90	67 - 129	ug/kg wet
1,1,1-Trichloroethane	20.0	19.2	96	73 - 130	ug/kg wet
1,1,2-Trichloroethane	20.0	19.4	97	78 - 121	ug/kg wet
Trichloroethene	20.0	19.2	96	77 - 123	ug/kg wet
Trichlorofluoromethane	20.0	19.4	97	62 - 140	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410493-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

QC Batch: 1410493

Sequence: 4J01003

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2,3-Trichloropropane	20.0	18.8	94	73 - 125	ug/kg wet
1,2,4-Trimethylbenzene	20.0	18.6	93	75 - 123	ug/kg wet
1,3,5-Trimethylbenzene	20.0	19.5	97	73 - 124	ug/kg wet
Vinyl Chloride	20.0	18.4	92	56 - 135	ug/kg wet
Xylene, Meta + Para	40.0	36.8	92	77 - 124	ug/kg wet
Xylene, Ortho	20.0	18.7	94	77 - 123	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410523

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410523-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Sequence: 4J01040

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	20.0	11.9	60	36 - 164	ug/kg wet
Benzene	20.0	19.0	95	77 - 121	ug/kg wet
Bromobenzene	20.0	18.4	92	78 - 121	ug/kg wet
Bromochloromethane	20.0	20.7	104	78 - 125	ug/kg wet
Bromodichloromethane	20.0	20.5	103	75 - 127	ug/kg wet
Bromoform	20.0	19.3	96	67 - 132	ug/kg wet
Bromomethane	20.0	19.0	95	53 - 143	ug/kg wet
n-Butylbenzene	20.0	20.4	102	70 - 128	ug/kg wet
sec-Butylbenzene	20.0	19.8	99	70 - 128	ug/kg wet
tert-Butylbenzene	20.0	19.3	96	73 - 125	ug/kg wet
Carbon Disulfide	20.0	18.4	92	63 - 132	ug/kg wet
Carbon Tetrachloride	20.0	21.7	109	70 - 135	ug/kg wet
Chlorobenzene	20.0	18.4	92	79 - 120	ug/kg wet
Chloroethane	20.0	19.8	99	59 - 139	ug/kg wet
Chloroform	20.0	20.4	102	78 - 123	ug/kg wet
Chloromethane	20.0	19.2	96	50 - 136	ug/kg wet
2-Chlorotoluene	20.0	18.8	94	75 - 122	ug/kg wet
4-Chlorotoluene	20.0	18.9	95	72 - 124	ug/kg wet
1,2-Dibromo-3-chloropropane	20.0	19.2	96	61 - 132	ug/kg wet
Dibromochloromethane	20.0	19.4	97	74 - 126	ug/kg wet
1,2-Dibromoethane	20.0	19.6	98	78 - 122	ug/kg wet
Dibromomethane	20.0	19.6	98	78 - 125	ug/kg wet
1,2-Dichlorobenzene	20.0	17.9	89	78 - 121	ug/kg wet
1,3-Dichlorobenzene	20.0	18.6	93	77 - 121	ug/kg wet
1,4-Dichlorobenzene	20.0	18.7	93	75 - 120	ug/kg wet
Dichlorodifluoromethane	20.0	18.5	93	29 - 149	ug/kg wet
1,1-Dichloroethane	20.0	18.8	94	76 - 125	ug/kg wet
1,2-Dichloroethane	20.0	20.3	101	73 - 128	ug/kg wet
1,1-Dichloroethene	20.0	20.9	104	70 - 131	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410523-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL
Sequence: 4J01040

QC Batch: 1410523

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	20.0	20.0	100	77 - 123	ug/kg wet
trans-1,2-Dichloroethene	20.0	19.2	96	74 - 125	ug/kg wet
1,2-Dichloropropane	20.0	20.3	102	76 - 123	ug/kg wet
1,3-Dichloropropane	20.0	20.0	100	77 - 121	ug/kg wet
2,2-Dichloropropane	20.0	20.5	102	67 - 133	ug/kg wet
1,1-Dichloropropene	20.0	20.2	101	76 - 125	ug/kg wet
cis-1,3-Dichloropropene	20.0	18.3	91	74 - 126	ug/kg wet
trans-1,3-Dichloropropene	20.0	18.2	91	71 - 130	ug/kg wet
Ethylbenzene	20.0	19.3	96	76 - 122	ug/kg wet
Hexachlorobutadiene	20.0	19.8	99	61 - 135	ug/kg wet
2-Hexanone	20.0	19.2	96	53 - 145	ug/kg wet
Isopropylbenzene	20.0	19.4	97	68 - 134	ug/kg wet
4-Isopropyltoluene	20.0	19.7	98	73 - 127	ug/kg wet
Methylene Chloride	20.0	28.4	142 *	70 - 128	ug/kg wet
2-Butanone (MEK)	20.0	15.2	76	51 - 148	ug/kg wet
4-Methyl-2-pentanone (MIBK)	20.0	19.7	99	65 - 135	ug/kg wet
Naphthalene	20.0	17.0	85	62 - 129	ug/kg wet
n-Propylbenzene	20.0	19.3	97	73 - 125	ug/kg wet
Styrene	20.0	18.8	94	76 - 124	ug/kg wet
1,1,1,2-Tetrachloroethane	20.0	18.9	94	78 - 125	ug/kg wet
1,1,2,2-Tetrachloroethane	20.0	20.1	101	70 - 124	ug/kg wet
Tetrachloroethene	20.0	20.4	102	73 - 128	ug/kg wet
Toluene	20.0	19.2	96	77 - 121	ug/kg wet
1,2,3-Trichlorobenzene	20.0	18.3	91	66 - 130	ug/kg wet
1,2,4-Trichlorobenzene	20.0	18.9	94	67 - 129	ug/kg wet
1,1,1-Trichloroethane	20.0	19.6	98	73 - 130	ug/kg wet
1,1,2-Trichloroethane	20.0	19.8	99	78 - 121	ug/kg wet
Trichloroethene	20.0	19.5	97	77 - 123	ug/kg wet
Trichlorofluoromethane	20.0	21.4	107	62 - 140	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410523-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

QC Batch: 1410523

Sequence: 4J01040

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2,3-Trichloropropane	20.0	19.3	96	73 - 125	ug/kg wet
1,2,4-Trimethylbenzene	20.0	18.8	94	75 - 123	ug/kg wet
1,3,5-Trimethylbenzene	20.0	19.8	99	73 - 124	ug/kg wet
Vinyl Chloride	20.0	20.0	100	56 - 135	ug/kg wet
Xylene, Meta + Para	40.0	38.2	96	77 - 124	ug/kg wet
Xylene, Ortho	20.0	19.0	95	77 - 123	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Water

QC Batch: 1410719

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410719-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 4J04001

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	40.0	41.9	105	39 - 160	ug/L
Benzene	40.0	38.8	97	79 - 120	ug/L
Bromobenzene	40.0	36.8	92	80 - 120	ug/L
Bromochloromethane	40.0	37.9	95	78 - 123	ug/L
Bromodichloromethane	40.0	38.4	96	78 - 123	ug/L
Bromoform	40.0	39.6	99	66 - 130	ug/L
Bromomethane	40.0	35.5	89	53 - 141	ug/L
n-Butylbenzene	40.0	36.1	90	75 - 128	ug/L
sec-Butylbenzene	40.0	39.4	99	77 - 126	ug/L
tert-Butylbenzene	40.0	39.0	97	78 - 124	ug/L
Carbon Disulfide	40.0	42.6	106	64 - 133	ug/L
Carbon Tetrachloride	40.0	38.1	95	72 - 136	ug/L
Chlorobenzene	40.0	38.9	97	82 - 118	ug/L
Chloroethane	40.0	37.4	93	60 - 138	ug/L
Chloroform	40.0	38.1	95	79 - 124	ug/L
Chloromethane	40.0	36.6	92	50 - 139	ug/L
2-Chlorotoluene	40.0	36.3	91	79 - 122	ug/L
4-Chlorotoluene	40.0	37.2	93	78 - 122	ug/L
1,2-Dibromo-3-chloropropane	40.0	42.0	105	62 - 126	ug/L
Dibromochloromethane	40.0	37.9	95	74 - 126	ug/L
1,2-Dibromoethane	40.0	40.4	101	77 - 121	ug/L
Dibromomethane	40.0	38.4	96	79 - 123	ug/L
1,2-Dichlorobenzene	40.0	38.7	97	80 - 119	ug/L
1,3-Dichlorobenzene	40.0	38.6	96	80 - 119	ug/L
1,4-Dichlorobenzene	40.0	38.1	95	79 - 118	ug/L
Dichlorodifluoromethane	40.0	37.9	95	32 - 152	ug/L
1,1-Dichloroethane	40.0	38.4	96	77 - 125	ug/L
1,2-Dichloroethane	40.0	38.1	95	77 - 121	ug/L
1,1-Dichloroethene	40.0	39.4	99	71 - 131	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410719-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1410719
Sequence: 4J04001

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	40.0	37.6	94	78 - 123	ug/L
trans-1,2-Dichloroethene	40.0	38.6	96	75 - 124	ug/L
1,2-Dichloropropane	40.0	38.7	97	78 - 122	ug/L
1,3-Dichloropropane	40.0	39.8	99	80 - 119	ug/L
2,2-Dichloropropane	40.0	34.3	86	60 - 139	ug/L
1,1-Dichloropropene	40.0	39.3	98	79 - 125	ug/L
cis-1,3-Dichloropropene	40.0	38.5	96	75 - 124	ug/L
trans-1,3-Dichloropropene	40.0	38.6	96	73 - 127	ug/L
Ethylbenzene	40.0	39.9	100	79 - 121	ug/L
Hexachlorobutadiene	40.0	38.3	96	66 - 134	ug/L
2-Hexanone	40.0	42.8	107	53 - 141	ug/L
Isopropylbenzene	40.0	37.9	95	72 - 131	ug/L
4-Isopropyltoluene	40.0	40.7	102	77 - 127	ug/L
Methyl tert-Butyl Ether	40.0	38.6	97	71 - 124	ug/L
Methylene Chloride	40.0	39.7	99	74 - 124	ug/L
2-Butanone (MEK)	40.0	43.0	107	56 - 143	ug/L
4-Methyl-2-pentanone (MIBK)	40.0	45.4	113	67 - 130	ug/L
Naphthalene	40.0	35.1	88	61 - 128	ug/L
n-Propylbenzene	40.0	37.0	93	76 - 126	ug/L
Styrene	40.0	40.1	100	78 - 123	ug/L
1,1,1,2-Tetrachloroethane	40.0	39.6	99	78 - 124	ug/L
1,1,2,2-Tetrachloroethane	40.0	40.3	101	71 - 121	ug/L
Tetrachloroethene	40.0	38.5	96	74 - 129	ug/L
Toluene	40.0	38.5	96	80 - 121	ug/L
1,2,3-Trichlorobenzene	40.0	34.5	86	69 - 129	ug/L
1,2,4-Trichlorobenzene	40.0	33.9	85	69 - 130	ug/L
1,1,1-Trichloroethane	40.0	39.0	97	74 - 131	ug/L
1,1,2-Trichloroethane	40.0	37.6	94	80 - 119	ug/L
Trichloroethene	40.0	39.3	98	79 - 123	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Water

QC Batch: 1410719

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410719-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 4J04001

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Trichlorofluoromethane	40.0	38.8	97	65 - 141	ug/L
1,2,3-Trichloropropane	40.0	42.5	106	73 - 122	ug/L
1,2,4-Trimethylbenzene	40.0	41.1	103	69 - 130	ug/L
1,3,5-Trimethylbenzene	40.0	39.5	99	75 - 124	ug/L
Vinyl Chloride	40.0	39.3	98	58 - 137	ug/L
Xylene, Meta + Para	80.0	79.5	99	80 - 121	ug/L
Xylene, Ortho	40.0	40.1	100	78 - 122	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410909-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1410909
Sequence: 4J08061

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	20.0	19.6	98	36 - 164	ug/kg wet
Benzene	20.0	18.7	94	77 - 121	ug/kg wet
Bromobenzene	20.0	18.0	90	78 - 121	ug/kg wet
Bromochloromethane	20.0	18.3	92	78 - 125	ug/kg wet
Bromodichloromethane	20.0	19.1	96	75 - 127	ug/kg wet
Bromoform	20.0	20.1	100	67 - 132	ug/kg wet
Bromomethane	20.0	17.5	88	53 - 143	ug/kg wet
n-Butylbenzene	20.0	18.7	94	70 - 128	ug/kg wet
sec-Butylbenzene	20.0	18.3	91	70 - 128	ug/kg wet
tert-Butylbenzene	20.0	17.9	90	73 - 125	ug/kg wet
Carbon Disulfide	20.0	18.6	93	63 - 132	ug/kg wet
Carbon Tetrachloride	20.0	19.5	97	70 - 135	ug/kg wet
Chlorobenzene	20.0	18.5	93	79 - 120	ug/kg wet
Chloroethane	20.0	17.8	89	59 - 139	ug/kg wet
Chloroform	20.0	18.6	93	78 - 123	ug/kg wet
Chloromethane	20.0	17.4	87	50 - 136	ug/kg wet
2-Chlorotoluene	20.0	18.6	93	75 - 122	ug/kg wet
4-Chlorotoluene	20.0	18.3	91	72 - 124	ug/kg wet
1,2-Dibromo-3-chloropropane	20.0	21.1	105	61 - 132	ug/kg wet
Dibromochloromethane	20.0	20.0	100	74 - 126	ug/kg wet
1,2-Dibromoethane	20.0	19.5	98	78 - 122	ug/kg wet
Dibromomethane	20.0	18.2	91	78 - 125	ug/kg wet
1,2-Dichlorobenzene	20.0	18.7	93	78 - 121	ug/kg wet
1,3-Dichlorobenzene	20.0	18.4	92	77 - 121	ug/kg wet
1,4-Dichlorobenzene	20.0	18.3	91	75 - 120	ug/kg wet
Dichlorodifluoromethane	20.0	18.5	92	29 - 149	ug/kg wet
1,1-Dichloroethane	20.0	18.2	91	76 - 125	ug/kg wet
1,2-Dichloroethane	20.0	18.9	95	73 - 128	ug/kg wet
1,1-Dichloroethene	20.0	18.6	93	70 - 131	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410909

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410909-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Sequence: 4J08061

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	20.0	18.8	94	77 - 123	ug/kg wet
trans-1,2-Dichloroethene	20.0	17.7	88	74 - 125	ug/kg wet
1,2-Dichloropropane	20.0	19.2	96	76 - 123	ug/kg wet
1,3-Dichloropropane	20.0	18.9	94	77 - 121	ug/kg wet
2,2-Dichloropropane	20.0	18.8	94	67 - 133	ug/kg wet
1,1-Dichloropropene	20.0	18.4	92	76 - 125	ug/kg wet
cis-1,3-Dichloropropene	20.0	18.8	94	74 - 126	ug/kg wet
trans-1,3-Dichloropropene	20.0	19.4	97	71 - 130	ug/kg wet
Ethylbenzene	20.0	18.9	94	76 - 122	ug/kg wet
Hexachlorobutadiene	20.0	18.9	95	61 - 135	ug/kg wet
2-Hexanone	20.0	19.4	97	53 - 145	ug/kg wet
Isopropylbenzene	20.0	18.2	91	68 - 134	ug/kg wet
4-Isopropyltoluene	20.0	18.6	93	73 - 127	ug/kg wet
Methylene Chloride	20.0	23.5	117	70 - 128	ug/kg wet
2-Butanone (MEK)	20.0	19.6	98	51 - 148	ug/kg wet
4-Methyl-2-pentanone (MIBK)	20.0	18.9	95	65 - 135	ug/kg wet
Naphthalene	20.0	18.8	94	62 - 129	ug/kg wet
n-Propylbenzene	20.0	18.2	91	73 - 125	ug/kg wet
Styrene	20.0	18.9	94	76 - 124	ug/kg wet
1,1,1,2-Tetrachloroethane	20.0	20.1	101	78 - 125	ug/kg wet
1,1,2,2-Tetrachloroethane	20.0	18.2	91	70 - 124	ug/kg wet
Tetrachloroethene	20.0	18.2	91	73 - 128	ug/kg wet
Toluene	20.0	18.5	93	77 - 121	ug/kg wet
1,2,3-Trichlorobenzene	20.0	18.3	91	66 - 130	ug/kg wet
1,2,4-Trichlorobenzene	20.0	18.5	92	67 - 129	ug/kg wet
1,1,1-Trichloroethane	20.0	18.5	93	73 - 130	ug/kg wet
1,1,2-Trichloroethane	20.0	18.1	91	78 - 121	ug/kg wet
Trichloroethene	20.0	18.1	91	77 - 123	ug/kg wet
Trichlorofluoromethane	20.0	18.6	93	62 - 140	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410909

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410909-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Sequence: 4J08061

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2,3-Trichloropropane	20.0	18.8	94	73 - 125	ug/kg wet
1,2,4-Trimethylbenzene	20.0	18.0	90	75 - 123	ug/kg wet
1,3,5-Trimethylbenzene	20.0	18.1	90	73 - 124	ug/kg wet
Vinyl Chloride	20.0	18.7	93	56 - 135	ug/kg wet
Xylene, Meta + Para	40.0	37.3	93	77 - 124	ug/kg wet
Xylene, Ortho	20.0	18.9	94	77 - 123	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410976

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410976-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Sequence: 4J09046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	20.0	17.7	88	36 - 164	ug/kg wet
Benzene	20.0	19.2	96	77 - 121	ug/kg wet
Bromobenzene	20.0	17.8	89	78 - 121	ug/kg wet
Bromochloromethane	20.0	18.6	93	78 - 125	ug/kg wet
Bromodichloromethane	20.0	19.7	99	75 - 127	ug/kg wet
Bromoform	20.0	20.2	101	67 - 132	ug/kg wet
Bromomethane	20.0	18.1	90	53 - 143	ug/kg wet
n-Butylbenzene	20.0	18.5	92	70 - 128	ug/kg wet
sec-Butylbenzene	20.0	18.2	91	70 - 128	ug/kg wet
tert-Butylbenzene	20.0	17.6	88	73 - 125	ug/kg wet
Carbon Disulfide	20.0	17.8	89	63 - 132	ug/kg wet
Carbon Tetrachloride	20.0	20.2	101	70 - 135	ug/kg wet
Chlorobenzene	20.0	18.6	93	79 - 120	ug/kg wet
Chloroethane	20.0	18.0	90	59 - 139	ug/kg wet
Chloroform	20.0	18.8	94	78 - 123	ug/kg wet
Chloromethane	20.0	18.1	91	50 - 136	ug/kg wet
2-Chlorotoluene	20.0	18.2	91	75 - 122	ug/kg wet
4-Chlorotoluene	20.0	18.1	90	72 - 124	ug/kg wet
1,2-Dibromo-3-chloropropane	20.0	19.2	96	61 - 132	ug/kg wet
Dibromochloromethane	20.0	19.8	99	74 - 126	ug/kg wet
1,2-Dibromoethane	20.0	18.7	94	78 - 122	ug/kg wet
Dibromomethane	20.0	19.1	96	78 - 125	ug/kg wet
1,2-Dichlorobenzene	20.0	18.1	90	78 - 121	ug/kg wet
1,3-Dichlorobenzene	20.0	18.0	90	77 - 121	ug/kg wet
1,4-Dichlorobenzene	20.0	18.0	90	75 - 120	ug/kg wet
Dichlorodifluoromethane	20.0	19.1	95	29 - 149	ug/kg wet
1,1-Dichloroethane	20.0	19.0	95	76 - 125	ug/kg wet
1,2-Dichloroethane	20.0	19.2	96	73 - 128	ug/kg wet
1,1-Dichloroethene	20.0	18.9	94	70 - 131	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410976

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410976-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Sequence: 4J09046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	20.0	18.3	92	77 - 123	ug/kg wet
trans-1,2-Dichloroethene	20.0	18.5	92	74 - 125	ug/kg wet
1,2-Dichloropropane	20.0	19.5	97	76 - 123	ug/kg wet
1,3-Dichloropropane	20.0	19.0	95	77 - 121	ug/kg wet
2,2-Dichloropropane	20.0	19.3	96	67 - 133	ug/kg wet
1,1-Dichloropropene	20.0	19.1	96	76 - 125	ug/kg wet
cis-1,3-Dichloropropene	20.0	19.1	96	74 - 126	ug/kg wet
trans-1,3-Dichloropropene	20.0	19.1	96	71 - 130	ug/kg wet
Ethylbenzene	20.0	18.6	93	76 - 122	ug/kg wet
Hexachlorobutadiene	20.0	18.5	92	61 - 135	ug/kg wet
2-Hexanone	20.0	16.7	83	53 - 145	ug/kg wet
Isopropylbenzene	20.0	18.0	90	68 - 134	ug/kg wet
4-Isopropyltoluene	20.0	18.1	90	73 - 127	ug/kg wet
Methylene Chloride	20.0	25.2	126	70 - 128	ug/kg wet
2-Butanone (MEK)	20.0	16.1	81	51 - 148	ug/kg wet
4-Methyl-2-pentanone (MIBK)	20.0	15.5	78	65 - 135	ug/kg wet
Naphthalene	20.0	16.7	84	62 - 129	ug/kg wet
n-Propylbenzene	20.0	18.2	91	73 - 125	ug/kg wet
Styrene	20.0	18.9	94	76 - 124	ug/kg wet
1,1,1,2-Tetrachloroethane	20.0	19.8	99	78 - 125	ug/kg wet
1,1,2,2-Tetrachloroethane	20.0	17.9	89	70 - 124	ug/kg wet
Tetrachloroethene	20.0	18.7	94	73 - 128	ug/kg wet
Toluene	20.0	19.0	95	77 - 121	ug/kg wet
1,2,3-Trichlorobenzene	20.0	17.3	86	66 - 130	ug/kg wet
1,2,4-Trichlorobenzene	20.0	18.0	90	67 - 129	ug/kg wet
1,1,1-Trichloroethane	20.0	18.9	95	73 - 130	ug/kg wet
1,1,2-Trichloroethane	20.0	18.6	93	78 - 121	ug/kg wet
Trichloroethene	20.0	18.6	93	77 - 123	ug/kg wet
Trichlorofluoromethane	20.0	18.8	94	62 - 140	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410976-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

QC Batch: 1410976

Sequence: 4J09046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2,3-Trichloropropane	20.0	19.1	96	73 - 125	ug/kg wet
1,2,4-Trimethylbenzene	20.0	17.8	89	75 - 123	ug/kg wet
1,3,5-Trimethylbenzene	20.0	18.1	90	73 - 124	ug/kg wet
Vinyl Chloride	20.0	18.6	93	56 - 135	ug/kg wet
Xylene, Meta + Para	40.0	37.3	93	77 - 124	ug/kg wet
Xylene, Ortho	20.0	18.7	94	77 - 123	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1411044

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1411044-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Sequence: 4J10037

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	20.0	26.0	130	36 - 164	ug/kg wet
Benzene	20.0	19.5	97	77 - 121	ug/kg wet
Bromobenzene	20.0	18.7	94	78 - 121	ug/kg wet
Bromochloromethane	20.0	18.3	92	78 - 125	ug/kg wet
Bromodichloromethane	20.0	20.2	101	75 - 127	ug/kg wet
Bromoform	20.0	21.7	108	67 - 132	ug/kg wet
Bromomethane	20.0	19.7	99	53 - 143	ug/kg wet
n-Butylbenzene	20.0	19.0	95	70 - 128	ug/kg wet
sec-Butylbenzene	20.0	19.3	96	70 - 128	ug/kg wet
tert-Butylbenzene	20.0	18.5	92	73 - 125	ug/kg wet
Carbon Disulfide	20.0	22.4	112	63 - 132	ug/kg wet
Carbon Tetrachloride	20.0	22.3	111	70 - 135	ug/kg wet
Chlorobenzene	20.0	19.5	98	79 - 120	ug/kg wet
Chloroethane	20.0	18.3	91	59 - 139	ug/kg wet
Chloroform	20.0	19.4	97	78 - 123	ug/kg wet
Chloromethane	20.0	18.0	90	50 - 136	ug/kg wet
2-Chlorotoluene	20.0	19.4	97	75 - 122	ug/kg wet
4-Chlorotoluene	20.0	19.1	96	72 - 124	ug/kg wet
1,2-Dibromo-3-chloropropane	20.0	19.9	100	61 - 132	ug/kg wet
Dibromochloromethane	20.0	21.5	107	74 - 126	ug/kg wet
1,2-Dibromoethane	20.0	19.2	96	78 - 122	ug/kg wet
Dibromomethane	20.0	19.2	96	78 - 125	ug/kg wet
1,2-Dichlorobenzene	20.0	19.0	95	78 - 121	ug/kg wet
1,3-Dichlorobenzene	20.0	19.1	96	77 - 121	ug/kg wet
1,4-Dichlorobenzene	20.0	18.8	94	75 - 120	ug/kg wet
Dichlorodifluoromethane	20.0	18.9	94	29 - 149	ug/kg wet
1,1-Dichloroethane	20.0	19.8	99	76 - 125	ug/kg wet
1,2-Dichloroethane	20.0	18.1	91	73 - 128	ug/kg wet
1,1-Dichloroethene	20.0	19.6	98	70 - 131	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1411044-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1411044
Sequence: 4J10037

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	20.0	19.0	95	77 - 123	ug/kg wet
trans-1,2-Dichloroethene	20.0	19.4	97	74 - 125	ug/kg wet
1,2-Dichloropropane	20.0	18.8	94	76 - 123	ug/kg wet
1,3-Dichloropropane	20.0	18.9	94	77 - 121	ug/kg wet
2,2-Dichloropropane	20.0	20.3	102	67 - 133	ug/kg wet
1,1-Dichloropropene	20.0	19.5	97	76 - 125	ug/kg wet
cis-1,3-Dichloropropene	20.0	19.8	99	74 - 126	ug/kg wet
trans-1,3-Dichloropropene	20.0	19.8	99	71 - 130	ug/kg wet
Ethylbenzene	20.0	19.3	97	76 - 122	ug/kg wet
Hexachlorobutadiene	20.0	18.9	94	61 - 135	ug/kg wet
2-Hexanone	20.0	19.5	98	53 - 145	ug/kg wet
Isopropylbenzene	20.0	19.2	96	68 - 134	ug/kg wet
4-Isopropyltoluene	20.0	19.1	95	73 - 127	ug/kg wet
Methylene Chloride	20.0	26.4	132 *	70 - 128	ug/kg wet
2-Butanone (MEK)	20.0	16.4	82	51 - 148	ug/kg wet
4-Methyl-2-pentanone (MIBK)	20.0	17.7	89	65 - 135	ug/kg wet
Naphthalene	20.0	15.7	79	62 - 129	ug/kg wet
n-Propylbenzene	20.0	19.6	98	73 - 125	ug/kg wet
Styrene	20.0	19.6	98	76 - 124	ug/kg wet
1,1,1,2-Tetrachloroethane	20.0	20.8	104	78 - 125	ug/kg wet
1,1,2,2-Tetrachloroethane	20.0	19.1	96	70 - 124	ug/kg wet
Tetrachloroethene	20.0	19.2	96	73 - 128	ug/kg wet
Toluene	20.0	18.8	94	77 - 121	ug/kg wet
1,2,3-Trichlorobenzene	20.0	16.9	84	66 - 130	ug/kg wet
1,2,4-Trichlorobenzene	20.0	17.2	86	67 - 129	ug/kg wet
1,1,1-Trichloroethane	20.0	19.9	100	73 - 130	ug/kg wet
1,1,2-Trichloroethane	20.0	18.4	92	78 - 121	ug/kg wet
Trichloroethene	20.0	19.6	98	77 - 123	ug/kg wet
Trichlorofluoromethane	20.0	19.9	99	62 - 140	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1411044

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1411044-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Sequence: 4J10037

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2,3-Trichloropropane	20.0	17.6	88	73 - 125	ug/kg wet
1,2,4-Trimethylbenzene	20.0	18.7	94	75 - 123	ug/kg wet
1,3,5-Trimethylbenzene	20.0	19.0	95	73 - 124	ug/kg wet
Vinyl Chloride	20.0	19.2	96	56 - 135	ug/kg wet
Xylene, Meta + Para	40.0	38.8	97	77 - 124	ug/kg wet
Xylene, Ortho	20.0	19.6	98	77 - 123	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Water

QC Batch: 1411272

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1411272-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 4J14046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	40.0	39.0	98	39 - 160	ug/L
Benzene	40.0	40.0	100	79 - 120	ug/L
Bromobenzene	40.0	36.5	91	80 - 120	ug/L
Bromochloromethane	40.0	37.4	94	78 - 123	ug/L
Bromodichloromethane	40.0	37.6	94	78 - 123	ug/L
Bromoform	40.0	38.3	96	66 - 130	ug/L
Bromomethane	40.0	39.0	98	53 - 141	ug/L
n-Butylbenzene	40.0	37.6	94	75 - 128	ug/L
sec-Butylbenzene	40.0	40.0	100	77 - 126	ug/L
tert-Butylbenzene	40.0	40.3	101	78 - 124	ug/L
Carbon Disulfide	40.0	36.0	90	64 - 133	ug/L
Carbon Tetrachloride	40.0	39.2	98	72 - 136	ug/L
Chlorobenzene	40.0	41.0	102	82 - 118	ug/L
Chloroethane	40.0	35.8	90	60 - 138	ug/L
Chloroform	40.0	39.2	98	79 - 124	ug/L
Chloromethane	40.0	32.2	80	50 - 139	ug/L
2-Chlorotoluene	40.0	38.9	97	79 - 122	ug/L
4-Chlorotoluene	40.0	38.4	96	78 - 122	ug/L
1,2-Dibromo-3-chloropropane	40.0	41.4	104	62 - 126	ug/L
Dibromochloromethane	40.0	36.9	92	74 - 126	ug/L
1,2-Dibromoethane	40.0	40.6	102	77 - 121	ug/L
Dibromomethane	40.0	40.0	100	79 - 123	ug/L
1,2-Dichlorobenzene	40.0	41.5	104	80 - 119	ug/L
1,3-Dichlorobenzene	40.0	40.5	101	80 - 119	ug/L
1,4-Dichlorobenzene	40.0	39.9	100	79 - 118	ug/L
Dichlorodifluoromethane	40.0	29.8	74	32 - 152	ug/L
1,1-Dichloroethane	40.0	38.3	96	77 - 125	ug/L
1,2-Dichloroethane	40.0	38.0	95	77 - 121	ug/L
1,1-Dichloroethene	40.0	40.7	102	71 - 131	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Water

QC Batch: 1411272

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1411272-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 4J14046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	40.0	39.5	99	78 - 123	ug/L
trans-1,2-Dichloroethene	40.0	39.4	98	75 - 124	ug/L
1,2-Dichloropropane	40.0	38.7	97	78 - 122	ug/L
1,3-Dichloropropane	40.0	40.3	101	80 - 119	ug/L
2,2-Dichloropropane	40.0	35.5	89	60 - 139	ug/L
1,1-Dichloropropene	40.0	40.0	100	79 - 125	ug/L
cis-1,3-Dichloropropene	40.0	39.2	98	75 - 124	ug/L
trans-1,3-Dichloropropene	40.0	38.8	97	73 - 127	ug/L
Ethylbenzene	40.0	40.9	102	79 - 121	ug/L
Hexachlorobutadiene	40.0	40.8	102	66 - 134	ug/L
2-Hexanone	40.0	40.1	100	53 - 141	ug/L
Isopropylbenzene	40.0	39.3	98	72 - 131	ug/L
4-Isopropyltoluene	40.0	42.3	106	77 - 127	ug/L
Methyl tert-Butyl Ether	40.0	40.4	101	71 - 124	ug/L
Methylene Chloride	40.0	37.3	93	74 - 124	ug/L
2-Butanone (MEK)	40.0	42.6	107	56 - 143	ug/L
4-Methyl-2-pentanone (MIBK)	40.0	43.0	108	67 - 130	ug/L
Naphthalene	40.0	42.0	105	61 - 128	ug/L
n-Propylbenzene	40.0	38.8	97	76 - 126	ug/L
Styrene	40.0	41.6	104	78 - 123	ug/L
1,1,1,2-Tetrachloroethane	40.0	38.7	97	78 - 124	ug/L
1,1,2,2-Tetrachloroethane	40.0	41.4	103	71 - 121	ug/L
Tetrachloroethene	40.0	40.2	100	74 - 129	ug/L
Toluene	40.0	40.4	101	80 - 121	ug/L
1,2,3-Trichlorobenzene	40.0	40.1	100	69 - 129	ug/L
1,2,4-Trichlorobenzene	40.0	38.9	97	69 - 130	ug/L
1,1,1-Trichloroethane	40.0	39.3	98	74 - 131	ug/L
1,1,2-Trichloroethane	40.0	38.6	97	80 - 119	ug/L
Trichloroethene	40.0	42.3	106	79 - 123	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Water

QC Batch: 1411272

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1411272-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 4J14046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Trichlorofluoromethane	40.0	37.5	94	65 - 141	ug/L
1,2,3-Trichloropropane	40.0	42.0	105	73 - 122	ug/L
1,2,4-Trimethylbenzene	40.0	42.4	106	69 - 130	ug/L
1,3,5-Trimethylbenzene	40.0	40.5	101	75 - 124	ug/L
Vinyl Chloride	40.0	36.0	90	58 - 137	ug/L
Xylene, Meta + Para	80.0	82.2	103	80 - 121	ug/L
Xylene, Ortho	40.0	41.5	104	78 - 122	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1411328

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1411328-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Sequence: 4J15036

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	40.0	40.1	100	36 - 164	ug/kg wet
Benzene	40.0	38.6	97	77 - 121	ug/kg wet
Bromobenzene	40.0	35.8	89	78 - 121	ug/kg wet
Bromochloromethane	40.0	36.8	92	78 - 125	ug/kg wet
Bromodichloromethane	40.0	38.6	97	75 - 127	ug/kg wet
Bromoform	40.0	40.8	102	67 - 132	ug/kg wet
Bromomethane	40.0	38.3	96	53 - 143	ug/kg wet
n-Butylbenzene	40.0	39.2	98	70 - 128	ug/kg wet
sec-Butylbenzene	40.0	37.8	94	70 - 128	ug/kg wet
tert-Butylbenzene	40.0	35.8	90	73 - 125	ug/kg wet
Carbon Disulfide	40.0	38.7	97	63 - 132	ug/kg wet
Carbon Tetrachloride	40.0	40.4	101	70 - 135	ug/kg wet
Chlorobenzene	40.0	38.1	95	79 - 120	ug/kg wet
Chloroethane	40.0	37.3	93	59 - 139	ug/kg wet
Chloroform	40.0	37.1	93	78 - 123	ug/kg wet
Chloromethane	40.0	36.4	91	50 - 136	ug/kg wet
2-Chlorotoluene	40.0	37.5	94	75 - 122	ug/kg wet
4-Chlorotoluene	40.0	37.3	93	72 - 124	ug/kg wet
1,2-Dibromo-3-chloropropane	40.0	40.8	102	61 - 132	ug/kg wet
Dibromochloromethane	40.0	39.4	99	74 - 126	ug/kg wet
1,2-Dibromoethane	40.0	39.3	98	78 - 122	ug/kg wet
Dibromomethane	40.0	39.3	98	78 - 125	ug/kg wet
1,2-Dichlorobenzene	40.0	37.9	95	78 - 121	ug/kg wet
1,3-Dichlorobenzene	40.0	37.2	93	77 - 121	ug/kg wet
1,4-Dichlorobenzene	40.0	37.3	93	75 - 120	ug/kg wet
Dichlorodifluoromethane	40.0	38.5	96	29 - 149	ug/kg wet
1,1-Dichloroethane	40.0	37.8	95	76 - 125	ug/kg wet
1,2-Dichloroethane	40.0	38.2	95	73 - 128	ug/kg wet
1,1-Dichloroethene	40.0	37.9	95	70 - 131	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1411328

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1411328-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Sequence: 4J15036

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	40.0	37.8	94	77 - 123	ug/kg wet
trans-1,2-Dichloroethene	40.0	36.6	92	74 - 125	ug/kg wet
1,2-Dichloropropane	40.0	38.0	95	76 - 123	ug/kg wet
1,3-Dichloropropane	40.0	38.6	97	77 - 121	ug/kg wet
2,2-Dichloropropane	40.0	38.2	96	67 - 133	ug/kg wet
1,1-Dichloropropene	40.0	37.9	95	76 - 125	ug/kg wet
cis-1,3-Dichloropropene	40.0	39.9	100	74 - 126	ug/kg wet
trans-1,3-Dichloropropene	40.0	39.8	100	71 - 130	ug/kg wet
Ethylbenzene	40.0	38.4	96	76 - 122	ug/kg wet
Hexachlorobutadiene	40.0	39.0	97	61 - 135	ug/kg wet
2-Hexanone	40.0	38.8	97	53 - 145	ug/kg wet
Isopropylbenzene	40.0	36.4	91	68 - 134	ug/kg wet
4-Isopropyltoluene	40.0	37.8	94	73 - 127	ug/kg wet
Methylene Chloride	40.0	45.4	114	70 - 128	ug/kg wet
2-Butanone (MEK)	40.0	36.5	91	51 - 148	ug/kg wet
4-Methyl-2-pentanone (MIBK)	40.0	37.5	94	65 - 135	ug/kg wet
Naphthalene	40.0	38.5	96	62 - 129	ug/kg wet
n-Propylbenzene	40.0	36.8	92	73 - 125	ug/kg wet
Styrene	40.0	39.7	99	76 - 124	ug/kg wet
1,1,1,2-Tetrachloroethane	40.0	39.1	98	78 - 125	ug/kg wet
1,1,2,2-Tetrachloroethane	40.0	36.1	90	70 - 124	ug/kg wet
Tetrachloroethene	40.0	37.8	95	73 - 128	ug/kg wet
Toluene	40.0	38.6	96	77 - 121	ug/kg wet
1,2,3-Trichlorobenzene	40.0	38.4	96	66 - 130	ug/kg wet
1,2,4-Trichlorobenzene	40.0	38.9	97	67 - 129	ug/kg wet
1,1,1-Trichloroethane	40.0	37.6	94	73 - 130	ug/kg wet
1,1,2-Trichloroethane	40.0	36.8	92	78 - 121	ug/kg wet
Trichloroethene	40.0	37.9	95	77 - 123	ug/kg wet
Trichlorofluoromethane	40.0	38.5	96	62 - 140	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1411328

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1411328-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Sequence: 4J15036

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2,3-Trichloropropane	40.0	37.8	95	73 - 125	ug/kg wet
1,2,4-Trimethylbenzene	40.0	37.4	94	75 - 123	ug/kg wet
1,3,5-Trimethylbenzene	40.0	37.0	93	73 - 124	ug/kg wet
Vinyl Chloride	40.0	38.0	95	56 - 135	ug/kg wet
Xylene, Meta + Para	80.0	77.9	97	77 - 124	ug/kg wet
Xylene, Ortho	40.0	38.7	97	77 - 123	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410493-BLK1
File ID: BLK0930A.D
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 16:59
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.0	ug/kg wet	4.2	5.0	5.0	U
71-43-2	Benzene	0.50	ug/kg wet	0.16	0.50	1.0	U
108-86-1	Bromobenzene	0.50	ug/kg wet	0.13	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/kg wet	0.36	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/kg wet	0.33	0.50	1.0	U
104-51-8	n-Butylbenzene	0.50	ug/kg wet	0.26	0.50	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/kg wet	0.21	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
75-15-0	Carbon Disulfide	0.50	ug/kg wet	0.23	0.50	1.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/kg wet	0.33	0.50	1.0	U
108-90-7	Chlorobenzene	0.50	ug/kg wet	0.15	0.50	1.0	U
75-00-3	Chloroethane	1.0	ug/kg wet	0.50	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/kg wet	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.50	ug/kg wet	0.26	0.50	1.0	U
95-49-8	2-Chlorotoluene	0.50	ug/kg wet	0.29	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.20	ug/kg wet	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/kg wet	0.59	1.0	5.0	U
124-48-1	Dibromochloromethane	0.50	ug/kg wet	0.18	0.50	1.0	U
106-93-4	1,2-Dibromoethane	0.50	ug/kg wet	0.15	0.50	1.0	U
74-95-3	Dibromomethane	0.50	ug/kg wet	0.22	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/kg wet	0.093	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/kg wet	0.23	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/kg wet	0.31	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/kg wet	0.23	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	ug/kg wet	0.27	0.50	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/kg wet	0.17	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.50	ug/kg wet	0.14	0.50	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.50	ug/kg wet	0.28	0.50	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410493-BLK1 File ID: BLK0930A.D

Prepared: 09/30/14 13:00 Analyzed: 09/30/14 16:59

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.20	ug/kg wet	0.11	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-41-4	Ethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
87-68-3	Hexachlorobutadiene	0.50	ug/kg wet	0.21	0.50	1.0	U
591-78-6	2-Hexanone	0.50	ug/kg wet	0.48	0.50	5.0	U
98-82-8	Isopropylbenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-09-2	Methylene Chloride	1.0	ug/kg wet	0.47	1.0	5.0	U
78-93-3	2-Butanone (MEK)	1.7	ug/kg wet	1.1	5.0	5.0	J
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	ug/kg wet	0.39	0.50	5.0	U
91-20-3	Naphthalene	0.50	ug/kg wet	0.16	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-42-5	Styrene	0.20	ug/kg wet	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/kg wet	0.15	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/kg wet	0.17	0.50	1.0	U
108-88-3	Toluene	0.20	ug/kg wet	0.099	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/kg wet	0.29	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
79-01-6	Trichloroethene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.15	ug/kg wet	0.11	0.50	1.0	J
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/kg wet	0.20	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/kg wet	0.14	0.40	2.0	U
95-47-6	Xylene, Ortho	0.20	ug/kg wet	0.11	0.20	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	40.3	101	78 - 119	
1,2-Dichloroethane-d4	40.0	41.7	104	71 - 136	
Toluene-d8	40.0	39.0	97	85 - 116	
4-Bromofluorobenzene	40.0	40.0	100	79 - 119	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410493-BLK1
File ID: BLK0930A.D
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 16:59
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	453503	6.266	452903	6.266	
Chlorobenzene-d5	304009	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	143038	13.53	157021	13.525	

QC BATCH SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
QC Batch: 1410493 QC Batch Matrix: Soil
Preparation: 5035A Low Concentration - MS

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU15SB27-22	1409384-02	09/30/14 13:00	
GA-TU15SB27-45	1409384-03	09/30/14 13:00	
GA-TU15SB28-15	1409384-05	09/30/14 13:00	
GA-TU15SB25-27	1409384-06	09/30/14 13:00	
GA-TU15SB25-45	1409384-07	09/30/14 13:00	
GA-TU15SB26-10	1409384-09	09/30/14 13:00	
GA-TU14SB16-12	1409422-01	09/30/14 13:00	
GA-TU14SB16-35	1409422-02	09/30/14 13:00	
GA-TU14SB15-13	1409422-03	09/30/14 13:00	
GA-TU14SB17-21	1409422-04	09/30/14 13:00	
GA-TU14SB17-34	1409422-05	09/30/14 13:00	
GA-TU14SB19-35	1409422-06	09/30/14 13:00	
GA-TU14SB15-35	1409422-07	09/30/14 13:00	
GA-TU14SB15-35DUP	1409422-08	09/30/14 13:00	
GA-TU14SB19-16	1409422-09	09/30/14 13:00	
GA-TU14SB18-35	1409422-10	09/30/14 13:00	
GA-TU14SB18-05	1409422-11	09/30/14 13:00	
Blank	1410493-BLK1	09/30/14 13:00	
LCS	1410493-BS1	09/30/14 13:00	
GA-TU14SB15-35	1410493-MS1	09/30/14 13:00	
GA-TU14SB15-35	1410493-MSD1	09/30/14 13:00	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410523-BLK1 File ID: BLK1001.D

Prepared: 10/01/14 08:00 Analyzed: 10/01/14 10:29

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.0	ug/kg wet	4.2	5.0	5.0	U
71-43-2	Benzene	0.50	ug/kg wet	0.16	0.50	1.0	U
108-86-1	Bromobenzene	0.50	ug/kg wet	0.13	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/kg wet	0.36	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/kg wet	0.33	0.50	1.0	U
104-51-8	n-Butylbenzene	0.50	ug/kg wet	0.26	0.50	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/kg wet	0.21	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
75-15-0	Carbon Disulfide	0.50	ug/kg wet	0.23	0.50	1.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/kg wet	0.33	0.50	1.0	U
108-90-7	Chlorobenzene	0.50	ug/kg wet	0.15	0.50	1.0	U
75-00-3	Chloroethane	1.0	ug/kg wet	0.50	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/kg wet	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.50	ug/kg wet	0.26	0.50	1.0	U
95-49-8	2-Chlorotoluene	0.50	ug/kg wet	0.29	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.20	ug/kg wet	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/kg wet	0.59	1.0	5.0	U
124-48-1	Dibromochloromethane	0.50	ug/kg wet	0.18	0.50	1.0	U
106-93-4	1,2-Dibromoethane	0.50	ug/kg wet	0.15	0.50	1.0	U
74-95-3	Dibromomethane	0.50	ug/kg wet	0.22	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/kg wet	0.093	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/kg wet	0.23	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/kg wet	0.31	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/kg wet	0.23	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	ug/kg wet	0.27	0.50	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/kg wet	0.17	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.50	ug/kg wet	0.14	0.50	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.50	ug/kg wet	0.28	0.50	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410523-BLK1 File ID: BLK1001.D

Prepared: 10/01/14 08:00 Analyzed: 10/01/14 10:29

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.20	ug/kg wet	0.11	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-41-4	Ethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
87-68-3	Hexachlorobutadiene	0.50	ug/kg wet	0.21	0.50	1.0	U
591-78-6	2-Hexanone	0.50	ug/kg wet	0.48	0.50	5.0	U
98-82-8	Isopropylbenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-09-2	Methylene Chloride	5.6	ug/kg wet	0.47	1.0	5.0	
78-93-3	2-Butanone (MEK)	5.0	ug/kg wet	1.1	5.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	ug/kg wet	0.39	0.50	5.0	U
91-20-3	Naphthalene	0.50	ug/kg wet	0.16	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-42-5	Styrene	0.20	ug/kg wet	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/kg wet	0.15	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/kg wet	0.17	0.50	1.0	U
108-88-3	Toluene	0.20	ug/kg wet	0.099	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/kg wet	0.29	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
79-01-6	Trichloroethene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/kg wet	0.11	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/kg wet	0.20	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/kg wet	0.14	0.40	2.0	U
95-47-6	Xylene, Ortho	0.20	ug/kg wet	0.11	0.20	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	40.6	102	78 - 119	
1,2-Dichloroethane-d4	40.0	40.9	102	71 - 136	
Toluene-d8	40.0	39.6	99	85 - 116	
4-Bromofluorobenzene	40.0	38.9	97	79 - 119	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410523-BLK1
File ID: BLK1001.D
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 10:29
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	441014	6.266	452903	6.266	
Chlorobenzene-d5	301430	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	140982	13.53	157021	13.525	

QC BATCH SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410523 QC Batch Matrix: Soil

Preparation: 5035A Low Concentration - MS

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU14SB23-25	1409444-03	10/01/14 08:00	
GA-TU14SB23-33	1409444-04	10/01/14 08:00	
GA-TU14SB24-07	1409444-05	10/01/14 08:00	
GA-TU14SB24-33	1409444-06	10/01/14 08:00	
GA-TU14SB21-5	1409444-07	10/01/14 08:00	
GA-TU14SB21-33	1409444-08	10/01/14 08:00	
GA-TU14SB22-26	1409444-09	10/01/14 08:00	
GA-TU14SB22-33	1409444-10	10/01/14 08:00	
GA-TU14SB20-5	1409444-11	10/01/14 08:00	
GA-TU14SB20-33	1409444-12	10/01/14 08:00	
GA-TU13SB01-08	1409479-01	10/01/14 08:00	
GA-TU13SB01-32	1409479-02	10/01/14 08:00	
GA-TU13SB02-14	1409479-03	10/01/14 08:00	
GA-TU13SB02-33	1409479-04	10/01/14 08:00	
GA-TU13SB04-07	1409479-05	10/01/14 08:00	
GA-TU13SB04-33	1409479-06	10/01/14 08:00	
GA-TU13SB03-12	1409479-08	10/01/14 08:00	
GA-TU13SB06-14	1409479-12	10/01/14 08:00	
GA-TU13SB06-33	1409479-13	10/01/14 08:00	
Blank	1410523-BLK1	10/01/14 08:00	
LCS	1410523-BS1	10/01/14 08:00	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410719-BLK1 File ID: BLK1002A.D

Prepared: 10/02/14 15:00 Analyzed: 10/02/14 21:11

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	2.1	ug/L	1.6	5.0	5.0	J
71-43-2	Benzene	0.20	ug/L	0.20	0.20	1.0	U
108-86-1	Bromobenzene	0.50	ug/L	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/L	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/L	0.13	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/L	0.18	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/L	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	0.20	ug/L	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/L	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/L	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	0.20	ug/L	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/L	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	0.20	ug/L	0.20	0.20	1.0	U
75-00-3	Chloroethane	1.0	ug/L	0.23	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/L	0.14	0.50	1.0	U
74-87-3	Chloromethane	1.0	ug/L	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	0.50	ug/L	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.50	ug/L	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/L	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	0.20	ug/L	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	0.20	ug/L	0.11	0.20	1.0	U
74-95-3	Dibromomethane	0.50	ug/L	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/L	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/L	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/L	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/L	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/L	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/L	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/L	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/L	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/L	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.20	ug/L	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/L	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.20	ug/L	0.11	0.20	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410719-BLK1 File ID: BLK1002A.D

Prepared: 10/02/14 15:00 Analyzed: 10/02/14 21:11

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.50	ug/L	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.20	ug/L	0.20	0.20	1.0	U
100-41-4	Ethylbenzene	0.20	ug/L	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1.0	ug/L	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1.0	ug/L	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	0.50	ug/L	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/L	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	0.10	ug/L	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1.0	ug/L	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1.0	ug/L	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	ug/L	0.41	1.0	5.0	U
91-20-3	Naphthalene	0.50	ug/L	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/L	0.16	0.50	1.0	U
100-42-5	Styrene	0.20	ug/L	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/L	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/L	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/L	0.13	0.50	1.0	U
108-88-3	Toluene	0.20	ug/L	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/L	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/L	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.20	ug/L	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/L	0.11	0.50	1.0	U
79-01-6	Trichloroethene	0.20	ug/L	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/L	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/L	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/L	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/L	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/L	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	0.50	ug/L	0.12	0.50	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	40.4	101	80 - 119	
1,2-Dichloroethane-d4	40.0	40.3	101	81 - 118	
Toluene-d8	40.0	38.6	96	89 - 112	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410719-BLK1
File ID: BLK1002A.D
Prepared: 10/02/14 15:00
Analyzed: 10/02/14 21:11
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
4-Bromofluorobenzene	40.0	36.8	92	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	494800	6.266	523953	6.266	
Chlorobenzene-d5	334841	10.566	369199	10.56	
1,4-Dichlorobenzene-d4	108635	13.53	177762	13.524	

QC BATCH SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410719 QC Batch Matrix: Water

Preparation: 5030B Aqueous Purge & Trap

Sample Name	Lab Sample ID	Date Prepared	Observations
FQC-TB092214JC-001	1409384-01	10/02/14 15:00	
GA-TU15GW27-01	1409384-04	10/02/14 15:00	
GA-TU15GW25-01	1409384-08	10/02/14 15:00	
GA-TU14GW15-01	1409422-12	10/02/14 15:00	
FQC-TB092314JC-001	1409422-13	10/02/14 15:00	
FQC-TB092414JC-001	1409444-01	10/02/14 15:00	Cooler #TM3200
GA-TU14GW20-01	1409444-02	10/02/14 15:00	
FQC-TB092514JC-001	1409479-07	10/02/14 15:00	
GA-TU13GW02-01	1409479-09	10/02/14 15:00	
GA-TU13GW05-01	1409479-10	10/02/14 15:00	
GA-TU13GW03-01	1409479-11	10/02/14 15:00	
FQC-TB092614JC-001	1409499-01	10/02/14 15:00	
GA-TU16GW29-01	1409499-06	10/02/14 15:00	
FQC-EB092614JC-001	1409499-07	10/02/14 15:00	
GA-TU13GW08-01	1410014-09	10/02/14 15:00	
GA-TU13GW09-01	1410014-10	10/02/14 15:00	
FQC-TB092914JC-001	1410014-11	10/02/14 15:00	Cooler #TM2920
GA-TU13GW12-01	1410025-08	10/02/14 15:00	
GA-TU13GW13-01	1410025-09	10/02/14 15:00	
FQC-TB093014JC-001	1410025-10	10/02/14 15:00	TM3228
Blank	1410719-BLK1	10/02/14 15:00	
LCS	1410719-BS1	10/02/14 15:00	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410909-BLK1 File ID: BLK1008.D

Prepared: 10/08/14 08:00 Analyzed: 10/08/14 14:18

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410909 Sequence: 4J08061 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.0	ug/kg wet	4.2	5.0	5.0	U
71-43-2	Benzene	0.50	ug/kg wet	0.16	0.50	1.0	U
108-86-1	Bromobenzene	0.50	ug/kg wet	0.13	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/kg wet	0.36	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/kg wet	0.33	0.50	1.0	U
104-51-8	n-Butylbenzene	0.50	ug/kg wet	0.26	0.50	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/kg wet	0.21	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
75-15-0	Carbon Disulfide	0.50	ug/kg wet	0.23	0.50	1.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/kg wet	0.33	0.50	1.0	U
108-90-7	Chlorobenzene	0.50	ug/kg wet	0.15	0.50	1.0	U
75-00-3	Chloroethane	1.0	ug/kg wet	0.50	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/kg wet	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.50	ug/kg wet	0.26	0.50	1.0	U
95-49-8	2-Chlorotoluene	0.50	ug/kg wet	0.29	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.20	ug/kg wet	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/kg wet	0.59	1.0	5.0	U
124-48-1	Dibromochloromethane	0.50	ug/kg wet	0.18	0.50	1.0	U
106-93-4	1,2-Dibromoethane	0.50	ug/kg wet	0.15	0.50	1.0	U
74-95-3	Dibromomethane	0.50	ug/kg wet	0.22	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/kg wet	0.093	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/kg wet	0.23	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/kg wet	0.31	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/kg wet	0.23	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	ug/kg wet	0.27	0.50	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/kg wet	0.17	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.50	ug/kg wet	0.14	0.50	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.50	ug/kg wet	0.28	0.50	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410909-BLK1
File ID: BLK1008.D
Prepared: 10/08/14 08:00
Analyzed: 10/08/14 14:18
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410909
Sequence: 4J08061
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.20	ug/kg wet	0.11	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-41-4	Ethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
87-68-3	Hexachlorobutadiene	0.50	ug/kg wet	0.21	0.50	1.0	U
591-78-6	2-Hexanone	0.50	ug/kg wet	0.48	0.50	5.0	U
98-82-8	Isopropylbenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-09-2	Methylene Chloride	5.6	ug/kg wet	0.47	1.0	5.0	
78-93-3	2-Butanone (MEK)	5.0	ug/kg wet	1.1	5.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	ug/kg wet	0.39	0.50	5.0	U
91-20-3	Naphthalene	0.50	ug/kg wet	0.16	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-42-5	Styrene	0.20	ug/kg wet	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/kg wet	0.15	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/kg wet	0.17	0.50	1.0	U
108-88-3	Toluene	0.20	ug/kg wet	0.099	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/kg wet	0.29	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
79-01-6	Trichloroethene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/kg wet	0.11	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/kg wet	0.20	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/kg wet	0.14	0.40	2.0	U
95-47-6	Xylene, Ortho	0.20	ug/kg wet	0.11	0.20	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	40.5	101	78 - 119	
1,2-Dichloroethane-d4	40.0	39.4	99	71 - 136	
Toluene-d8	40.0	40.4	101	85 - 116	
4-Bromofluorobenzene	40.0	40.4	101	79 - 119	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410909-BLK1
File ID: BLK1008.D
Prepared: 10/08/14 08:00
Analyzed: 10/08/14 14:18
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410909
Sequence: 4J08061
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	365551	6.272	392692	6.266	
Chlorobenzene-d5	257553	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	125903	13.53	137305	13.524	

QC BATCH SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

QC Batch: 1410909 QC Batch Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Preparation: 5035A Low Concentration - MS

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU13SB07-08	1409479-14	10/08/14 08:00	
GA-TU13SB07-33	1409479-15	10/08/14 08:00	
GA-TU13SB03-33	1409479-16	10/08/14 08:00	
GA-TU13SB05-12	1409479-17	10/08/14 08:00	
GA-TU13SB05-33	1409479-18	10/08/14 08:00	
Blank	1410909-BLK1	10/08/14 08:00	
LCS	1410909-BS1	10/08/14 08:00	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410976-BLK1
File ID: BLK1009.D
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 09:52
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.0	ug/kg wet	4.2	5.0	5.0	U
71-43-2	Benzene	0.50	ug/kg wet	0.16	0.50	1.0	U
108-86-1	Bromobenzene	0.50	ug/kg wet	0.13	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/kg wet	0.36	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/kg wet	0.33	0.50	1.0	U
104-51-8	n-Butylbenzene	0.50	ug/kg wet	0.26	0.50	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/kg wet	0.21	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
75-15-0	Carbon Disulfide	0.50	ug/kg wet	0.23	0.50	1.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/kg wet	0.33	0.50	1.0	U
108-90-7	Chlorobenzene	0.50	ug/kg wet	0.15	0.50	1.0	U
75-00-3	Chloroethane	1.0	ug/kg wet	0.50	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/kg wet	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.50	ug/kg wet	0.26	0.50	1.0	U
95-49-8	2-Chlorotoluene	0.50	ug/kg wet	0.29	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.20	ug/kg wet	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/kg wet	0.59	1.0	5.0	U
124-48-1	Dibromochloromethane	0.50	ug/kg wet	0.18	0.50	1.0	U
106-93-4	1,2-Dibromoethane	0.50	ug/kg wet	0.15	0.50	1.0	U
74-95-3	Dibromomethane	0.50	ug/kg wet	0.22	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/kg wet	0.093	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/kg wet	0.23	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/kg wet	0.31	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/kg wet	0.23	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	ug/kg wet	0.27	0.50	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/kg wet	0.17	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.50	ug/kg wet	0.14	0.50	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.50	ug/kg wet	0.28	0.50	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410976-BLK1
File ID: BLK1009.D
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 09:52
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.20	ug/kg wet	0.11	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-41-4	Ethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
87-68-3	Hexachlorobutadiene	0.50	ug/kg wet	0.21	0.50	1.0	U
591-78-6	2-Hexanone	0.50	ug/kg wet	0.48	0.50	5.0	U
98-82-8	Isopropylbenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-09-2	Methylene Chloride	4.1	ug/kg wet	0.47	1.0	5.0	J
78-93-3	2-Butanone (MEK)	5.0	ug/kg wet	1.1	5.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	ug/kg wet	0.39	0.50	5.0	U
91-20-3	Naphthalene	0.50	ug/kg wet	0.16	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-42-5	Styrene	0.20	ug/kg wet	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/kg wet	0.15	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/kg wet	0.17	0.50	1.0	U
108-88-3	Toluene	0.20	ug/kg wet	0.099	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/kg wet	0.29	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
79-01-6	Trichloroethene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/kg wet	0.11	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/kg wet	0.20	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/kg wet	0.14	0.40	2.0	U
95-47-6	Xylene, Ortho	0.20	ug/kg wet	0.11	0.20	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	41.0	103	78 - 119	
1,2-Dichloroethane-d4	40.0	40.7	102	71 - 136	
Toluene-d8	40.0	39.1	98	85 - 116	
4-Bromofluorobenzene	40.0	39.3	98	79 - 119	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410976-BLK1
File ID: BLK1009.D
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 09:52
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	401988	6.266	392692	6.266	
Chlorobenzene-d5	279247	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	132371	13.53	137305	13.524	

QC BATCH SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

QC Batch: 1410976 QC Batch Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Preparation: 5035A Low Concentration - MS

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU16SB30-08	1409499-02	10/08/14 07:00	
GA-TU16SB31-08	1409499-03	10/08/14 07:00	
GA-TU16SB32-17	1409499-04	10/08/14 07:00	
GA-TU16SB33-10	1409499-05	10/08/14 07:00	
GA-TU16SB29-15	1409499-08	10/08/14 07:00	
GA-TU16SB29-15DUP	1409499-09	10/08/14 07:00	
GA-TU16SB29-44	1409499-10	10/08/14 07:00	
GA-TU16SB29-44DUP	1409499-11	10/08/14 07:00	
GA-TU13SB8-15	1410014-01	10/08/14 07:00	
GA-TU13SB8-34	1410014-02	10/08/14 07:00	
GA-TU13SB9-20	1410014-03	10/08/14 07:00	
GA-TU13SB9-34	1410014-04	10/08/14 07:00	
GA-TU13SB10-15	1410014-05	10/08/14 07:00	
GA-TU13SB10-34	1410014-06	10/08/14 07:00	
GA-TU13SB11-20	1410014-07	10/08/14 07:00	
GA-TU13SB11-34	1410014-08	10/08/14 07:00	
Blank	1410976-BLK1	10/08/14 07:00	
LCS	1410976-BS1	10/08/14 07:00	
GA-TU16SB29-15	1410976-MS1	10/08/14 07:00	
GA-TU16SB29-15	1410976-MSD1	10/08/14 07:00	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1411044-BLK1
File ID: BLK1010.D
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 09:30
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.9	ug/kg wet	4.2	5.0	5.0	
71-43-2	Benzene	0.50	ug/kg wet	0.16	0.50	1.0	U
108-86-1	Bromobenzene	0.50	ug/kg wet	0.13	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/kg wet	0.36	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/kg wet	0.33	0.50	1.0	U
104-51-8	n-Butylbenzene	0.50	ug/kg wet	0.26	0.50	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/kg wet	0.21	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
75-15-0	Carbon Disulfide	0.50	ug/kg wet	0.23	0.50	1.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/kg wet	0.33	0.50	1.0	U
108-90-7	Chlorobenzene	0.50	ug/kg wet	0.15	0.50	1.0	U
75-00-3	Chloroethane	1.0	ug/kg wet	0.50	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/kg wet	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.50	ug/kg wet	0.26	0.50	1.0	U
95-49-8	2-Chlorotoluene	0.50	ug/kg wet	0.29	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.20	ug/kg wet	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/kg wet	0.59	1.0	5.0	U
124-48-1	Dibromochloromethane	0.50	ug/kg wet	0.18	0.50	1.0	U
106-93-4	1,2-Dibromoethane	0.50	ug/kg wet	0.15	0.50	1.0	U
74-95-3	Dibromomethane	0.50	ug/kg wet	0.22	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/kg wet	0.093	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/kg wet	0.23	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/kg wet	0.31	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/kg wet	0.23	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	ug/kg wet	0.27	0.50	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/kg wet	0.17	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.50	ug/kg wet	0.14	0.50	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.50	ug/kg wet	0.28	0.50	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1411044-BLK1 File ID: BLK1010.D

Prepared: 10/10/14 07:00 Analyzed: 10/10/14 09:30

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.20	ug/kg wet	0.11	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-41-4	Ethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
87-68-3	Hexachlorobutadiene	0.50	ug/kg wet	0.21	0.50	1.0	U
591-78-6	2-Hexanone	0.50	ug/kg wet	0.48	0.50	5.0	U
98-82-8	Isopropylbenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-09-2	Methylene Chloride	5.6	ug/kg wet	0.47	1.0	5.0	
78-93-3	2-Butanone (MEK)	5.0	ug/kg wet	1.1	5.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	ug/kg wet	0.39	0.50	5.0	U
91-20-3	Naphthalene	0.50	ug/kg wet	0.16	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-42-5	Styrene	0.20	ug/kg wet	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/kg wet	0.15	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/kg wet	0.17	0.50	1.0	U
108-88-3	Toluene	0.20	ug/kg wet	0.099	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/kg wet	0.29	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
79-01-6	Trichloroethene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/kg wet	0.11	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/kg wet	0.20	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/kg wet	0.14	0.40	2.0	U
95-47-6	Xylene, Ortho	0.20	ug/kg wet	0.11	0.20	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	40.4	101	78 - 119	
1,2-Dichloroethane-d4	40.0	40.0	100	71 - 136	
Toluene-d8	40.0	39.3	98	85 - 116	
4-Bromofluorobenzene	40.0	40.1	100	79 - 119	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1411044-BLK1
File ID: BLK1010.D
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 09:30
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	424475	6.266	392692	6.266	
Chlorobenzene-d5	288646	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	137561	13.531	137305	13.524	

QC BATCH SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1411044 QC Batch Matrix: Soil

Preparation: 5035A Low Concentration - MS

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU13SB12-15	1410025-01	10/10/14 07:00	
GA-TU13SB12-34	1410025-02	10/10/14 07:00	
GA-TU13SB13-20	1410025-03	10/10/14 07:00	
GA-TU13SB13-34	1410025-04	10/10/14 07:00	
GA-TU13SB14-15	1410025-05	10/10/14 07:00	
GA-TU13SB14-34	1410025-06	10/10/14 07:00	
GA-TU13SB14-34DUP	1410025-07	10/10/14 07:00	
GA-TU17SB34-15	1410085-01	10/10/14 07:00	
GA-TU17SB34-37	1410085-02	10/10/14 07:00	
GA-TU17SB35-15	1410085-04	10/10/14 07:00	
GA-TU17SB36-20	1410085-05	10/10/14 07:00	
GA-TU17SB38-15	1410085-06	10/10/14 07:00	
GA-TU017SB34-37DUP	1410085-08	10/10/14 07:00	
GA-TU017SB38-15DUP	1410085-09	10/10/14 07:00	
Blank	1411044-BLK1	10/10/14 07:00	
LCS	1411044-BS1	10/10/14 07:00	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1411272-BLK1 File ID: BLK1013A.D

Prepared: 10/13/14 19:00 Analyzed: 10/13/14 20:55

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1411272 Sequence: 4J14046 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.0	ug/L	1.6	5.0	5.0	U
71-43-2	Benzene	0.20	ug/L	0.20	0.20	1.0	U
108-86-1	Bromobenzene	0.50	ug/L	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/L	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/L	0.13	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/L	0.18	0.50	1.0	U
74-83-9	Bromomethane	0.78	ug/L	0.22	0.50	1.0	J
104-51-8	n-Butylbenzene	2.7	ug/L	0.11	0.20	1.0	
135-98-8	sec-Butylbenzene	0.50	ug/L	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/L	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	0.20	ug/L	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/L	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	0.20	ug/L	0.20	0.20	1.0	U
75-00-3	Chloroethane	1.0	ug/L	0.23	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/L	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.36	ug/L	0.26	1.0	1.0	J
95-49-8	2-Chlorotoluene	0.50	ug/L	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.50	ug/L	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/L	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	0.20	ug/L	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	0.20	ug/L	0.11	0.20	1.0	U
74-95-3	Dibromomethane	0.50	ug/L	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/L	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/L	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/L	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/L	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/L	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/L	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/L	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/L	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/L	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.20	ug/L	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/L	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.20	ug/L	0.11	0.20	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1411272-BLK1 File ID: BLK1013A.D

Prepared: 10/13/14 19:00 Analyzed: 10/13/14 20:55

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1411272 Sequence: 4J14046 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.50	ug/L	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.20	ug/L	0.20	0.20	1.0	U
100-41-4	Ethylbenzene	0.20	ug/L	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1.0	ug/L	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1.0	ug/L	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	0.50	ug/L	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/L	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	0.10	ug/L	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	0.49	ug/L	0.35	1.0	1.0	J
78-93-3	2-Butanone (MEK)	1.0	ug/L	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	ug/L	0.41	1.0	5.0	U
91-20-3	Naphthalene	0.50	ug/L	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/L	0.16	0.50	1.0	U
100-42-5	Styrene	0.20	ug/L	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/L	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/L	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/L	0.13	0.50	1.0	U
108-88-3	Toluene	0.20	ug/L	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/L	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/L	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.20	ug/L	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/L	0.11	0.50	1.0	U
79-01-6	Trichloroethene	0.20	ug/L	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/L	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/L	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/L	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/L	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/L	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	0.50	ug/L	0.12	0.50	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	37.8	95	80 - 119	
1,2-Dichloroethane-d4	40.0	38.5	96	81 - 118	
Toluene-d8	40.0	39.4	98	89 - 112	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1411272-BLK1
File ID: BLK1013A.D
Prepared: 10/13/14 19:00
Analyzed: 10/13/14 20:55
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1411272
Sequence: 4J14046
Calibration: 4J02011
Instrument: 350

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
4-Bromofluorobenzene	40.0	38.5	96	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	618919	6.26	523953	6.266	
Chlorobenzene-d5	442552	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	199548	13.524	177762	13.524	

QC BATCH SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1411272 QC Batch Matrix: Water

Preparation: 5030B Aqueous Purge & Trap

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU17GW34-01	1410085-03	10/13/14 19:00	
FQC-TB100114JC-001	1410085-07	10/13/14 19:00	
Blank	1411272-BLK1	10/13/14 19:00	
LCS	1411272-BS1	10/13/14 19:00	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1411328-BLK1
File ID: BLK1014.D
Prepared: 10/14/14 08:00
Analyzed: 10/14/14 10:23
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1411328
Sequence: 4J15036
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.0	ug/kg wet	4.2	5.0	5.0	U
71-43-2	Benzene	0.50	ug/kg wet	0.16	0.50	1.0	U
108-86-1	Bromobenzene	0.50	ug/kg wet	0.13	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/kg wet	0.36	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/kg wet	0.33	0.50	1.0	U
104-51-8	n-Butylbenzene	0.50	ug/kg wet	0.26	0.50	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/kg wet	0.21	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
75-15-0	Carbon Disulfide	0.50	ug/kg wet	0.23	0.50	1.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/kg wet	0.33	0.50	1.0	U
108-90-7	Chlorobenzene	0.50	ug/kg wet	0.15	0.50	1.0	U
75-00-3	Chloroethane	1.0	ug/kg wet	0.50	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/kg wet	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.30	ug/kg wet	0.26	0.50	1.0	J
95-49-8	2-Chlorotoluene	0.50	ug/kg wet	0.29	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.20	ug/kg wet	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/kg wet	0.59	1.0	5.0	U
124-48-1	Dibromochloromethane	0.50	ug/kg wet	0.18	0.50	1.0	U
106-93-4	1,2-Dibromoethane	0.50	ug/kg wet	0.15	0.50	1.0	U
74-95-3	Dibromomethane	0.50	ug/kg wet	0.22	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/kg wet	0.093	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/kg wet	0.23	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/kg wet	0.31	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/kg wet	0.23	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	ug/kg wet	0.27	0.50	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/kg wet	0.17	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.50	ug/kg wet	0.14	0.50	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.50	ug/kg wet	0.28	0.50	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1411328-BLK1 File ID: BLK1014.D

Prepared: 10/14/14 08:00 Analyzed: 10/14/14 10:23

Preparation: 5035A Low Concentratioı Initial/Final: 5 grams / 5 mL

QC Batch: 1411328 Sequence: 4J15036 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.20	ug/kg wet	0.11	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-41-4	Ethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
87-68-3	Hexachlorobutadiene	0.50	ug/kg wet	0.21	0.50	1.0	U
591-78-6	2-Hexanone	0.50	ug/kg wet	0.48	0.50	5.0	U
98-82-8	Isopropylbenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-09-2	Methylene Chloride	4.8	ug/kg wet	0.47	1.0	5.0	J
78-93-3	2-Butanone (MEK)	5.0	ug/kg wet	1.1	5.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	ug/kg wet	0.39	0.50	5.0	U
91-20-3	Naphthalene	0.50	ug/kg wet	0.16	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-42-5	Styrene	0.20	ug/kg wet	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/kg wet	0.15	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/kg wet	0.17	0.50	1.0	U
108-88-3	Toluene	0.20	ug/kg wet	0.099	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/kg wet	0.29	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
79-01-6	Trichloroethene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/kg wet	0.11	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/kg wet	0.20	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/kg wet	0.14	0.40	2.0	U
95-47-6	Xylene, Ortho	0.20	ug/kg wet	0.11	0.20	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	39.8	100	78 - 119	
1,2-Dichloroethane-d4	40.0	39.6	99	71 - 136	
Toluene-d8	40.0	39.1	98	85 - 116	
4-Bromofluorobenzene	40.0	39.5	99	79 - 119	

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1411328-BLK1
File ID: BLK1014.D
Prepared: 10/14/14 08:00
Analyzed: 10/14/14 10:23
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1411328
Sequence: 4J15036
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	514727	6.272	392692	6.266	
Chlorobenzene-d5	356212	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	168642	13.53	137305	13.524	

QC BATCH SUMMARY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1411328 QC Batch Matrix: Soil

Preparation: 5035A Low Concentration - MS

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU17SB34-15	1410085-01RE1	10/14/14 08:00	From 1411044 by DLV on Oct-15-14
Blank	1411328-BLK1	10/14/14 08:00	
LCS	1411328-BS1	10/14/14 08:00	

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J01001-TUN1

Injection Date: 09/30/14

Sequence: 4J01001

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: BFB0930.D

Injection Time: 08:40

Calibration: 4J01002

Instrument ID: 350

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	17.4	PASS
75	30 - 60% of 95	47.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.54	PASS
173	Less than 2% of 174	0.68	PASS
174	50 - 200% of 95	85.5	PASS
175	5 - 9% of 174	7.17	PASS
176	95 - 101% of 174	96.3	PASS
177	5 - 9% of 176	6.45	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J01003-TUN1

Injection Date: 09/30/14

Sequence: 4J01003

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: BFB0930A.D

Injection Time: 13:59

Instrument ID: 350

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	19	PASS
75	30 - 60% of 95	44.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.51	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	78.6	PASS
175	5 - 9% of 174	6.94	PASS
176	95 - 101% of 174	99.5	PASS
177	5 - 9% of 176	6.32	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J01040-TUN1

Injection Date: 10/01/14

Sequence: 4J01040

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: BFB1001.D

Injection Time: 08:55

Instrument ID: 350

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	18	PASS
75	30 - 60% of 95	46.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.93	PASS
173	Less than 2% of 174	0.967	PASS
174	50 - 200% of 95	85.8	PASS
175	5 - 9% of 174	7.41	PASS
176	95 - 101% of 174	96.3	PASS
177	5 - 9% of 176	6.26	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J02049-TUN1

Injection Date: 10/02/14

Sequence: 4J02049

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: BFB1002.D

Injection Time: 07:41

Calibration: 4J02011

Instrument ID: 350

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	17.9	PASS
75	30 - 60% of 95	48	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.83	PASS
173	Less than 2% of 174	0.687	PASS
174	50 - 200% of 95	83.6	PASS
175	5 - 9% of 174	7.51	PASS
176	95 - 101% of 174	96.4	PASS
177	5 - 9% of 176	6.79	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J04001-TUN1

Injection Date: 10/02/14

Sequence: 4J04001

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: BFB1002A.D

Injection Time: 19:26

Instrument ID: 350

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	17.6	PASS
75	30 - 60% of 95	48.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.02	PASS
173	Less than 2% of 174	1.02	PASS
174	50 - 200% of 95	81.6	PASS
175	5 - 9% of 174	7.24	PASS
176	95 - 101% of 174	96.7	PASS
177	5 - 9% of 176	6.12	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J08047-TUN1

Injection Date: 10/08/14

Sequence: 4J08047

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: BFB1008.D

Injection Time: 09:01

Calibration: 4J08013

Instrument ID: 350

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	18.1	PASS
75	30 - 60% of 95	47.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.58	PASS
173	Less than 2% of 174	0.931	PASS
174	50 - 200% of 95	77.8	PASS
175	5 - 9% of 174	7.54	PASS
176	95 - 101% of 174	97.8	PASS
177	5 - 9% of 176	6.56	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J08061-TUN1

Injection Date: 10/08/14

Sequence: 4J08061

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: BFB1008.D

Injection Time: 09:01

Instrument ID: 350

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	18.1	PASS
75	30 - 60% of 95	47.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.58	PASS
173	Less than 2% of 174	0.931	PASS
174	50 - 200% of 95	77.8	PASS
175	5 - 9% of 174	7.54	PASS
176	95 - 101% of 174	97.8	PASS
177	5 - 9% of 176	6.56	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J09046-TUN1

Injection Date: 10/09/14

Sequence: 4J09046

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: BFB1009.D

Injection Time: 07:28

Instrument ID: 350

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	18.3	PASS
75	30 - 60% of 95	47.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.85	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	81.4	PASS
175	5 - 9% of 174	6.48	PASS
176	95 - 101% of 174	99.7	PASS
177	5 - 9% of 176	6.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J10037-TUN1

Injection Date: 10/10/14

Sequence: 4J10037

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: BFB1010.D

Injection Time: 07:28

Instrument ID: 350

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	17.6	PASS
75	30 - 60% of 95	45.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.03	PASS
173	Less than 2% of 174	0.753	PASS
174	50 - 200% of 95	82.7	PASS
175	5 - 9% of 174	7.46	PASS
176	95 - 101% of 174	96.3	PASS
177	5 - 9% of 176	6.67	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J14046-TUN1

Injection Date: 10/13/14

Sequence: 4J14046

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: BFB1013A.D

Injection Time: 19:11

Instrument ID: 350

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	16.7	PASS
75	30 - 60% of 95	47.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.85	PASS
173	Less than 2% of 174	0.505	PASS
174	50 - 200% of 95	83.7	PASS
175	5 - 9% of 174	7.74	PASS
176	95 - 101% of 174	99.3	PASS
177	5 - 9% of 176	6.57	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J15036-TUN1

Injection Date: 10/14/14

Sequence: 4J15036

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: BFB1014.D

Injection Time: 08:49

Instrument ID: 350

m/z	Ion Abundance Criteria	% Relative Abundance	
50	15 - 40% of 95	18	PASS
75	30 - 60% of 95	47.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.18	PASS
173	Less than 2% of 174	0.487	PASS
174	50 - 200% of 95	82.8	PASS
175	5 - 9% of 174	6.86	PASS
176	95 - 101% of 174	99.5	PASS
177	5 - 9% of 176	6.59	PASS

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J01003

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J01002
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J01003-CCV1)			**Lab File ID: CCV0930A.D**			**Analyzed: 09/30/14 14:15**			
Fluorobenzene	455461	6.272	452903	6.266	101	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	310656	10.566	309516	10.56	100	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	151947	13.524	157021	13.525	97	50 - 200	-0.0010	+/-0.50	
LCS (1410493-BS1)			**Lab File ID: BS0930A.D**			**Analyzed: 09/30/14 15:00**			
Fluorobenzene	496177	6.26	452903	6.266	110	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	341195	10.56	309516	10.56	110	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	168913	13.524	157021	13.525	108	50 - 200	-0.0010	+/-0.50	
Matrix Spike (1410493-MS1)			**Lab File ID: 1409422-07MS.D**			**Analyzed: 09/30/14 15:26**			
Fluorobenzene	512650	6.266	452903	6.266	113	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	353106	10.56	309516	10.56	114	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	178807	13.524	157021	13.525	114	50 - 200	-0.0010	+/-0.50	
Matrix Spike Dup (1410493-MSD1)			**Lab File ID: 1409422-07MSD.D**			**Analyzed: 09/30/14 15:49**			
Fluorobenzene	525864	6.266	452903	6.266	116	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	361784	10.56	309516	10.56	117	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	179005	13.524	157021	13.525	114	50 - 200	-0.0010	+/-0.50	
Blank (1410493-BLK1)			**Lab File ID: BLK0930A.D**			**Analyzed: 09/30/14 16:59**			
Fluorobenzene	453503	6.266	452903	6.266	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	304009	10.566	309516	10.56	98	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	143038	13.53	157021	13.525	91	50 - 200	0.0050	+/-0.50	
GA-TU14SB15-35 (1409422-07)			**Lab File ID: 1409422-07.D**			**Analyzed: 09/30/14 17:22**			
Fluorobenzene	478330	6.272	452903	6.266	106	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	341396	10.566	309516	10.56	110	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	167541	13.53	157021	13.525	107	50 - 200	0.0050	+/-0.50	
GA-TU15SB27-22 (1409384-02)			**Lab File ID: 1409384-02.D**			**Analyzed: 09/30/14 17:46**			
Fluorobenzene	477550	6.272	452903	6.266	105	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	336010	10.566	309516	10.56	109	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	171014	13.53	157021	13.525	109	50 - 200	0.0050	+/-0.50	
GA-TU15SB27-45 (1409384-03)			**Lab File ID: 1409384-03.D**			**Analyzed: 09/30/14 18:09**			
Fluorobenzene	482550	6.272	452903	6.266	107	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	340748	10.566	309516	10.56	110	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	171895	13.524	157021	13.525	109	50 - 200	-0.0010	+/-0.50	
GA-TU15SB28-15 (1409384-05)			**Lab File ID: 1409384-05.D**			**Analyzed: 09/30/14 18:33**			
Fluorobenzene	501599	6.266	452903	6.266	111	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	350051	10.566	309516	10.56	113	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	169706	13.525	157021	13.525	108	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J01002
Sequence: 4J01003
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU15SB25-27 (1409384-06)			**Lab File ID: 1409384-06.D**			**Analyzed: 09/30/14 18:56**			
Fluorobenzene	464123	6.272	452903	6.266	102	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	321054	10.566	309516	10.56	104	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	154484	13.524	157021	13.525	98	50 - 200	-0.0010	+/-0.50	
GA-TU15SB25-45 (1409384-07)			**Lab File ID: 1409384-07.D**			**Analyzed: 09/30/14 19:20**			
Fluorobenzene	475459	6.272	452903	6.266	105	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	334997	10.566	309516	10.56	108	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	171015	13.524	157021	13.525	109	50 - 200	-0.0010	+/-0.50	
GA-TU15SB26-10 (1409384-09)			**Lab File ID: 1409384-09.D**			**Analyzed: 09/30/14 19:43**			
Fluorobenzene	480205	6.272	452903	6.266	106	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	342855	10.566	309516	10.56	111	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	170666	13.53	157021	13.525	109	50 - 200	0.0050	+/-0.50	
GA-TU14SB16-12 (1409422-01)			**Lab File ID: 1409422-01.D**			**Analyzed: 09/30/14 20:07**			
Fluorobenzene	480492	6.266	452903	6.266	106	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	323514	10.566	309516	10.56	105	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	138906	13.525	157021	13.525	88	50 - 200	0.0000	+/-0.50	
GA-TU14SB16-35 (1409422-02)			**Lab File ID: 1409422-02.D**			**Analyzed: 09/30/14 20:30**			
Fluorobenzene	479506	6.266	452903	6.266	106	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	338652	10.566	309516	10.56	109	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	169325	13.525	157021	13.525	108	50 - 200	0.0000	+/-0.50	
GA-TU14SB15-13 (1409422-03)			**Lab File ID: 1409422-03.D**			**Analyzed: 09/30/14 20:54**			
Fluorobenzene	466669	6.272	452903	6.266	103	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	328716	10.566	309516	10.56	106	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	166311	13.53	157021	13.525	106	50 - 200	0.0050	+/-0.50	
GA-TU14SB17-21 (1409422-04)			**Lab File ID: 1409422-04.D**			**Analyzed: 09/30/14 21:17**			
Fluorobenzene	469805	6.272	452903	6.266	104	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	327476	10.566	309516	10.56	106	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	167071	13.524	157021	13.525	106	50 - 200	-0.0010	+/-0.50	
GA-TU14SB17-34 (1409422-05)			**Lab File ID: 1409422-05.D**			**Analyzed: 09/30/14 21:41**			
Fluorobenzene	508904	6.266	452903	6.266	112	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	351467	10.566	309516	10.56	114	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	170969	13.525	157021	13.525	109	50 - 200	0.0000	+/-0.50	
GA-TU14SB19-35 (1409422-06)			**Lab File ID: 1409422-06.D**			**Analyzed: 09/30/14 22:04**			
Fluorobenzene	481321	6.266	452903	6.266	106	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	342236	10.566	309516	10.56	111	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	170114	13.524	157021	13.525	108	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J01003

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J01002
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU14SB15-35DUP (1409422-08)			**Lab File ID: 1409422-08.D**			**Analyzed: 09/30/14 22:28**			
Fluorobenzene	463157	6.266	452903	6.266	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	326561	10.566	309516	10.56	106	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	164191	13.525	157021	13.525	105	50 - 200	0.0000	+/-0.50	
GA-TU14SB19-16 (1409422-09)			**Lab File ID: 1409422-09.D**			**Analyzed: 09/30/14 22:51**			
Fluorobenzene	418102	6.272	452903	6.266	92	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	281462	10.566	309516	10.56	91	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	116499	13.524	157021	13.525	74	50 - 200	-0.0010	+/-0.50	
GA-TU14SB18-35 (1409422-10)			**Lab File ID: 1409422-10.D**			**Analyzed: 09/30/14 23:15**			
Fluorobenzene	496497	6.266	452903	6.266	110	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	346958	10.566	309516	10.56	112	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	173792	13.525	157021	13.525	111	50 - 200	0.0000	+/-0.50	
GA-TU14SB18-05 (1409422-11)			**Lab File ID: 1409422-11.D**			**Analyzed: 09/30/14 23:38**			
Fluorobenzene	494788	6.266	452903	6.266	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	338269	10.566	309516	10.56	109	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J01040

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J01002
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J01040-CCV1)			**Lab File ID: CCV1001.D**			**Analyzed: 10/01/14 09:12**			
Fluorobenzene	458258	6.272	452903	6.266	101	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	309179	10.566	309516	10.56	100	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	155843	13.524	157021	13.525	99	50 - 200	-0.0010	+/-0.50	
LCS (1410523-BS1)			**Lab File ID: BS1001.D**			**Analyzed: 10/01/14 09:39**			
Fluorobenzene	420744	6.266	452903	6.266	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	291834	10.56	309516	10.56	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	148550	13.525	157021	13.525	95	50 - 200	0.0000	+/-0.50	
Blank (1410523-BLK1)			**Lab File ID: BLK1001.D**			**Analyzed: 10/01/14 10:29**			
Fluorobenzene	441014	6.266	452903	6.266	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	301430	10.566	309516	10.56	97	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	140982	13.53	157021	13.525	90	50 - 200	0.0050	+/-0.50	
GA-TU14SB23-25 (1409444-03)			**Lab File ID: 1409444-03.D**			**Analyzed: 10/01/14 10:52**			
Fluorobenzene	478379	6.272	452903	6.266	106	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	335066	10.566	309516	10.56	108	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	166927	13.53	157021	13.525	106	50 - 200	0.0050	+/-0.50	
GA-TU14SB23-33 (1409444-04)			**Lab File ID: 1409444-04.D**			**Analyzed: 10/01/14 11:16**			
Fluorobenzene	505074	6.266	452903	6.266	112	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	345378	10.566	309516	10.56	112	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	169703	13.53	157021	13.525	108	50 - 200	0.0050	+/-0.50	
GA-TU14SB24-07 (1409444-05)			**Lab File ID: 1409444-05.D**			**Analyzed: 10/01/14 11:39**			
Fluorobenzene	497639	6.266	452903	6.266	110	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	343035	10.566	309516	10.56	111	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	156808	13.525	157021	13.525	100	50 - 200	0.0000	+/-0.50	
GA-TU14SB24-33 (1409444-06)			**Lab File ID: 1409444-06.D**			**Analyzed: 10/01/14 12:03**			
Fluorobenzene	472622	6.272	452903	6.266	104	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	336900	10.566	309516	10.56	109	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	167095	13.524	157021	13.525	106	50 - 200	-0.0010	+/-0.50	
GA-TU14SB21-5 (1409444-07)			**Lab File ID: 1409444-07.D**			**Analyzed: 10/01/14 12:26**			
Fluorobenzene	483165	6.272	452903	6.266	107	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	337669	10.566	309516	10.56	109	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	163306	13.524	157021	13.525	104	50 - 200	-0.0010	+/-0.50	
GA-TU14SB21-33 (1409444-08)			**Lab File ID: 1409444-08.D**			**Analyzed: 10/01/14 12:49**			
Fluorobenzene	462512	6.272	452903	6.266	102	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	332894	10.566	309516	10.56	108	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	168174	13.525	157021	13.525	107	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J01040

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J01002
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU14SB22-26 (1409444-09)			**Lab File ID: 1409444-09.D**			**Analyzed: 10/01/14 13:13**			
Fluorobenzene	503926	6.266	452903	6.266	111	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	346391	10.566	309516	10.56	112	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	165907	13.531	157021	13.525	106	50 - 200	0.0060	+/-0.50	
GA-TU14SB22-33 (1409444-10)			**Lab File ID: 1409444-10.D**			**Analyzed: 10/01/14 13:36**			
Fluorobenzene	494584	6.266	452903	6.266	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	339432	10.56	309516	10.56	110	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	166204	13.525	157021	13.525	106	50 - 200	0.0000	+/-0.50	
GA-TU14SB20-5 (1409444-11)			**Lab File ID: 1409444-11.D**			**Analyzed: 10/01/14 14:00**			
Fluorobenzene	474957	6.272	452903	6.266	105	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	331172	10.566	309516	10.56	107	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	159627	13.524	157021	13.525	102	50 - 200	-0.0010	+/-0.50	
GA-TU14SB20-33 (1409444-12)			**Lab File ID: 1409444-12.D**			**Analyzed: 10/01/14 14:23**			
Fluorobenzene	457311	6.266	452903	6.266	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	331045	10.56	309516	10.56	107	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	166034	13.524	157021	13.525	106	50 - 200	-0.0010	+/-0.50	
GA-TU13SB01-08 (1409479-01)			**Lab File ID: 1409479-01.D**			**Analyzed: 10/01/14 14:47**			
Fluorobenzene	496964	6.266	452903	6.266	110	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	327276	10.566	309516	10.56	106	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	139632	13.53	157021	13.525	89	50 - 200	0.0050	+/-0.50	
GA-TU13SB01-32 (1409479-02)			**Lab File ID: 1409479-02.D**			**Analyzed: 10/01/14 15:10**			
Fluorobenzene	495610	6.266	452903	6.266	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	340619	10.566	309516	10.56	110	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	164163	13.525	157021	13.525	105	50 - 200	0.0000	+/-0.50	
GA-TU13SB02-14 (1409479-03)			**Lab File ID: 1409479-03.D**			**Analyzed: 10/01/14 15:34**			
Fluorobenzene	455590	6.272	452903	6.266	101	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	280819	10.566	309516	10.56	91	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	94037	13.53	157021	13.525	60	50 - 200	0.0050	+/-0.50	
GA-TU13SB02-33 (1409479-04)			**Lab File ID: 1409479-04.D**			**Analyzed: 10/01/14 15:57**			
Fluorobenzene	443796	6.266	452903	6.266	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	317541	10.566	309516	10.56	103	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	158391	13.525	157021	13.525	101	50 - 200	0.0000	+/-0.50	
GA-TU13SB04-07 (1409479-05)			**Lab File ID: 1409479-05.D**			**Analyzed: 10/01/14 16:21**			
Fluorobenzene	456160	6.266	452903	6.266	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	305576	10.566	309516	10.56	99	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	139777	13.524	157021	13.525	89	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J01040

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J01002
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB04-33 (1409479-06)			**Lab File ID: 1409479-06.D**			**Analyzed: 10/01/14 16:44**			
Fluorobenzene	495200	6.266	452903	6.266	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	337529	10.566	309516	10.56	109	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	161430	13.524	157021	13.525	103	50 - 200	-0.0010	+/-0.50	
GA-TU13SB03-12 (1409479-08)			**Lab File ID: 1409479-08.D**			**Analyzed: 10/01/14 17:08**			
Fluorobenzene	463534	6.272	452903	6.266	102	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	322669	10.566	309516	10.56	104	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	148267	13.524	157021	13.525	94	50 - 200	-0.0010	+/-0.50	
GA-TU13SB06-14 (1409479-12)			**Lab File ID: 1409479-12.D**			**Analyzed: 10/01/14 17:31**			
Fluorobenzene	443842	6.272	452903	6.266	98	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	283453	10.566	309516	10.56	92	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	108806	13.53	157021	13.525	69	50 - 200	0.0050	+/-0.50	
GA-TU13SB06-33 (1409479-13)			**Lab File ID: 1409479-13.D**			**Analyzed: 10/01/14 17:55**			
Fluorobenzene	492843	6.266	452903	6.266	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	342638	10.566	309516	10.56	111	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	164180	13.53	157021	13.525	105	50 - 200	0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water
Sequence: 4J04001

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J02011
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J04001-CCV1)			**Lab File ID: CCV1002A.D**			**Analyzed: 10/02/14 19:53**			
Fluorobenzene	512382	6.26	523953	6.266	98	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	362228	10.56	369199	10.56	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	170971	13.524	177762	13.524	96	50 - 200	0.0000	+/-0.50	
LCS (1410719-BS1)			**Lab File ID: BS1002A.D**			**Analyzed: 10/02/14 20:19**			
Fluorobenzene	509909	6.266	523953	6.266	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	354130	10.56	369199	10.56	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	168158	13.524	177762	13.524	95	50 - 200	0.0000	+/-0.50	
Blank (1410719-BLK1)			**Lab File ID: BLK1002A.D**			**Analyzed: 10/02/14 21:11**			
Fluorobenzene	494800	6.266	523953	6.266	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	334841	10.566	369199	10.56	91	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	108635	13.53	177762	13.524	61	50 - 200	0.0060	+/-0.50	
FQC-TB092214JC-001 (1409384-01)			**Lab File ID: 1409384-01.D**			**Analyzed: 10/02/14 21:37**			
Fluorobenzene	500142	6.266	523953	6.266	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	334636	10.566	369199	10.56	91	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	111203	13.53	177762	13.524	63	50 - 200	0.0060	+/-0.50	
GA-TU15GW27-01 (1409384-04)			**Lab File ID: 1409384-04.D**			**Analyzed: 10/02/14 22:03**			
Fluorobenzene	501428	6.266	523953	6.266	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	335093	10.56	369199	10.56	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	114955	13.53	177762	13.524	65	50 - 200	0.0060	+/-0.50	
GA-TU15GW25-01 (1409384-08)			**Lab File ID: 1409384-08.D**			**Analyzed: 10/02/14 22:29**			
Fluorobenzene	500408	6.266	523953	6.266	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	339999	10.566	369199	10.56	92	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	110680	13.53	177762	13.524	62	50 - 200	0.0060	+/-0.50	
GA-TU14GW15-01 (1409422-12)			**Lab File ID: 1409422-12.D**			**Analyzed: 10/02/14 22:55**			
Fluorobenzene	500261	6.266	523953	6.266	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	340284	10.56	369199	10.56	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	112019	13.53	177762	13.524	63	50 - 200	0.0060	+/-0.50	
FQC-TB092314JC-001 (1409422-13)			**Lab File ID: 1409422-13.D**			**Analyzed: 10/02/14 23:21**			
Fluorobenzene	481832	6.266	523953	6.266	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	325659	10.56	369199	10.56	88	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	105193	13.53	177762	13.524	59	50 - 200	0.0060	+/-0.50	
FQC-TB092414JC-001 (1409444-01)			**Lab File ID: 1409444-01.D**			**Analyzed: 10/02/14 23:47**			
Fluorobenzene	505044	6.266	523953	6.266	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	340071	10.56	369199	10.56	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	107526	13.53	177762	13.524	60	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water
Sequence: 4J04001

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J02011
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU14GW20-01 (1409444-02)			**Lab File ID: 1409444-02.D**			**Analyzed: 10/03/14 00:14**			
Fluorobenzene	514427	6.26	523953	6.266	98	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	356247	10.56	369199	10.56	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	165674	13.525	177762	13.524	93	50 - 200	0.0010	+/-0.50	
FQC-TB092514JC-001 (1409479-07)			**Lab File ID: 1409479-07.D**			**Analyzed: 10/03/14 00:40**			
Fluorobenzene	487034	6.266	523953	6.266	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	330816	10.56	369199	10.56	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	106742	13.53	177762	13.524	60	50 - 200	0.0060	+/-0.50	
GA-TU13GW02-01 (1409479-09)			**Lab File ID: 1409479-09.D**			**Analyzed: 10/03/14 01:06**			
Fluorobenzene	517170	6.266	523953	6.266	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	347034	10.56	369199	10.56	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	112242	13.53	177762	13.524	63	50 - 200	0.0060	+/-0.50	
GA-TU13GW05-01 (1409479-10)			**Lab File ID: 1409479-10.D**			**Analyzed: 10/03/14 01:32**			
Fluorobenzene	497054	6.266	523953	6.266	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	332660	10.566	369199	10.56	90	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	103885	13.53	177762	13.524	58	50 - 200	0.0060	+/-0.50	
GA-TU13GW03-01 (1409479-11)			**Lab File ID: 1409479-11.D**			**Analyzed: 10/03/14 01:58**			
Fluorobenzene	517695	6.266	523953	6.266	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	352524	10.56	369199	10.56	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	128577	13.53	177762	13.524	72	50 - 200	0.0060	+/-0.50	
FQC-TB092614JC-001 (1409499-01)			**Lab File ID: 1409499-01.D**			**Analyzed: 10/03/14 02:24**			
Fluorobenzene	500015	6.266	523953	6.266	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	333417	10.566	369199	10.56	90	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	107075	13.53	177762	13.524	60	50 - 200	0.0060	+/-0.50	
GA-TU16GW29-01 (1409499-06)			**Lab File ID: 1409499-06.D**			**Analyzed: 10/03/14 02:50**			
Fluorobenzene	501523	6.266	523953	6.266	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	338005	10.56	369199	10.56	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	106931	13.53	177762	13.524	60	50 - 200	0.0060	+/-0.50	
FQC-EB092614JC-001 (1409499-07)			**Lab File ID: 1409499-07.D**			**Analyzed: 10/03/14 03:16**			
Fluorobenzene	494235	6.266	523953	6.266	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	332236	10.566	369199	10.56	90	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	107354	13.53	177762	13.524	60	50 - 200	0.0060	+/-0.50	
GA-TU13GW08-01 (1410014-09)			**Lab File ID: 1410014-09.D**			**Analyzed: 10/03/14 03:42**			
Fluorobenzene	487452	6.266	523953	6.266	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	334506	10.566	369199	10.56	91	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	113439	13.53	177762	13.524	64	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Calibration: 4J02011
Sequence: 4J04001
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13GW09-01 (1410014-10)			**Lab File ID: 1410014-10.D**			**Analyzed: 10/03/14 04:08**			
Fluorobenzene	499051	6.266	523953	6.266	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	335094	10.566	369199	10.56	91	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	105573	13.53	177762	13.524	59	50 - 200	0.0060	+/-0.50	
FQC-TB092914JC-001 (1410014-11)			**Lab File ID: 1410014-11.D**			**Analyzed: 10/03/14 04:34**			
Fluorobenzene	487852	6.266	523953	6.266	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	328659	10.566	369199	10.56	89	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	104646	13.53	177762	13.524	59	50 - 200	0.0060	+/-0.50	
GA-TU13GW12-01 (1410025-08)			**Lab File ID: 1410025-08.D**			**Analyzed: 10/03/14 05:00**			
Fluorobenzene	498539	6.266	523953	6.266	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	335286	10.56	369199	10.56	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	109182	13.53	177762	13.524	61	50 - 200	0.0060	+/-0.50	
GA-TU13GW13-01 (1410025-09)			**Lab File ID: 1410025-09.D**			**Analyzed: 10/03/14 05:26**			
Fluorobenzene	497082	6.266	523953	6.266	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	332918	10.56	369199	10.56	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	102863	13.53	177762	13.524	58	50 - 200	0.0060	+/-0.50	
FQC-TB093014JC-001 (1410025-10)			**Lab File ID: 1410025-10.D**			**Analyzed: 10/03/14 05:53**			
Fluorobenzene	486557	6.266	523953	6.266	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	333700	10.56	369199	10.56	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	105011	13.53	177762	13.524	59	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J08013
Sequence: 4J08061
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J08061-CCV1)			**Lab File ID: 20P1008.D**			**Analyzed: 10/08/14 10:47**			
Fluorobenzene	392692	6.266	392692	6.266	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	274590	10.56	274590	10.56	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	137305	13.524	137305	13.524	100	50 - 200	0.0000	+/-0.50	
LCS (1410909-BS1)			**Lab File ID: BS1008.D**			**Analyzed: 10/08/14 13:31**			
Fluorobenzene	428171	6.266	392692	6.266	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	288013	10.56	274590	10.56	105	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	147267	13.524	137305	13.524	107	50 - 200	0.0000	+/-0.50	
Blank (1410909-BLK1)			**Lab File ID: BLK1008.D**			**Analyzed: 10/08/14 14:18**			
Fluorobenzene	365551	6.272	392692	6.266	93	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	257553	10.566	274590	10.56	94	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	125903	13.53	137305	13.524	92	50 - 200	0.0060	+/-0.50	
GA-TU13SB07-08 (1409479-14)			**Lab File ID: 1409479-14.D**			**Analyzed: 10/08/14 14:42**			
Fluorobenzene	457141	6.266	392692	6.266	116	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	310302	10.566	274590	10.56	113	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	138949	13.53	137305	13.524	101	50 - 200	0.0060	+/-0.50	
GA-TU13SB07-33 (1409479-15)			**Lab File ID: 1409479-15.D**			**Analyzed: 10/08/14 15:05**			
Fluorobenzene	432234	6.266	392692	6.266	110	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	301534	10.566	274590	10.56	110	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	148236	13.531	137305	13.524	108	50 - 200	0.0070	+/-0.50	
GA-TU13SB03-33 (1409479-16)			**Lab File ID: 1409479-16.D**			**Analyzed: 10/08/14 15:29**			
Fluorobenzene	415456	6.266	392692	6.266	106	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	298732	10.566	274590	10.56	109	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	148804	13.53	137305	13.524	108	50 - 200	0.0060	+/-0.50	
GA-TU13SB05-12 (1409479-17)			**Lab File ID: 1409479-17.D**			**Analyzed: 10/08/14 15:52**			
Fluorobenzene	410890	6.272	392692	6.266	105	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	278095	10.566	274590	10.56	101	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	120599	13.53	137305	13.524	88	50 - 200	0.0060	+/-0.50	
GA-TU13SB05-33 (1409479-18)			**Lab File ID: 1409479-18.D**			**Analyzed: 10/08/14 16:15**			
Fluorobenzene	448684	6.266	392692	6.266	114	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	306983	10.566	274590	10.56	112	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	150695	13.53	137305	13.524	110	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J08013
Sequence: 4J09046
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J09046-CCV1)			**Lab File ID: CCV1009.D**			**Analyzed: 10/09/14 07:54**			
Fluorobenzene	376355	6.266	392692	6.266	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	267629	10.56	274590	10.56	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	139145	13.525	137305	13.524	101	50 - 200	0.0010	+/-0.50	
LCS (1410976-BS1)			**Lab File ID: BS1009.D**			**Analyzed: 10/09/14 08:17**			
Fluorobenzene	439205	6.266	392692	6.266	112	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	301881	10.56	274590	10.56	110	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	154268	13.524	137305	13.524	112	50 - 200	0.0000	+/-0.50	
Matrix Spike (1410976-MS1)			**Lab File ID: 1409499-08MS.D**			**Analyzed: 10/09/14 08:41**			
Fluorobenzene	448460	6.266	392692	6.266	114	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	311549	10.56	274590	10.56	113	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	162879	13.524	137305	13.524	119	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (1410976-MSD1)			**Lab File ID: 1409499-08MSD.D**			**Analyzed: 10/09/14 09:05**			
Fluorobenzene	481168	6.266	392692	6.266	123	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	333461	10.56	274590	10.56	121	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	167324	13.524	137305	13.524	122	50 - 200	0.0000	+/-0.50	
Blank (1410976-BLK1)			**Lab File ID: BLK1009.D**			**Analyzed: 10/09/14 09:52**			
Fluorobenzene	401988	6.266	392692	6.266	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	279247	10.566	274590	10.56	102	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	132371	13.53	137305	13.524	96	50 - 200	0.0060	+/-0.50	
GA-TU16SB30-08 (1409499-02)			**Lab File ID: 1409499-02.D**			**Analyzed: 10/09/14 10:16**			
Fluorobenzene	457242	6.266	392692	6.266	116	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	300094	10.566	274590	10.56	109	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	113603	13.53	137305	13.524	83	50 - 200	0.0060	+/-0.50	
GA-TU16SB31-08 (1409499-03)			**Lab File ID: 1409499-03.D**			**Analyzed: 10/09/14 10:39**			
Fluorobenzene	449653	6.266	392692	6.266	115	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	304167	10.566	274590	10.56	111	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	128730	13.53	137305	13.524	94	50 - 200	0.0060	+/-0.50	
GA-TU16SB32-17 (1409499-04)			**Lab File ID: 1409499-04.D**			**Analyzed: 10/09/14 11:03**			
Fluorobenzene	464412	6.266	392692	6.266	118	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	319156	10.566	274590	10.56	116	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	153505	13.524	137305	13.524	112	50 - 200	0.0000	+/-0.50	
GA-TU16SB33-10 (1409499-05)			**Lab File ID: 1409499-05.D**			**Analyzed: 10/09/14 11:26**			
Fluorobenzene	440012	6.266	392692	6.266	112	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	314143	10.566	274590	10.56	114	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	146766	13.53	137305	13.524	107	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J09046

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J08013
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU16SB29-15 (1409499-08)			**Lab File ID: 1409499-08.D**			**Analyzed: 10/09/14 11:50**			
Fluorobenzene	472294	6.266	392692	6.266	120	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	325945	10.566	274590	10.56	119	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	156775	13.524	137305	13.524	114	50 - 200	0.0000	+/-0.50	
GA-TU16SB29-15DUP (1409499-09)			**Lab File ID: 1409499-09.D**			**Analyzed: 10/09/14 12:13**			
Fluorobenzene	412976	6.266	392692	6.266	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	302204	10.566	274590	10.56	110	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	148482	13.53	137305	13.524	108	50 - 200	0.0060	+/-0.50	
GA-TU16SB29-44 (1409499-10)			**Lab File ID: 1409499-10.D**			**Analyzed: 10/09/14 12:37**			
Fluorobenzene	429900	6.266	392692	6.266	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	303094	10.566	274590	10.56	110	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	149226	13.53	137305	13.524	109	50 - 200	0.0060	+/-0.50	
GA-TU16SB29-44DUP (1409499-11)			**Lab File ID: 1409499-11.D**			**Analyzed: 10/09/14 13:00**			
Fluorobenzene	418467	6.266	392692	6.266	107	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	299469	10.56	274590	10.56	109	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	153229	13.53	137305	13.524	112	50 - 200	0.0060	+/-0.50	
GA-TU13SB8-15 (1410014-01)			**Lab File ID: 1410014-01.D**			**Analyzed: 10/09/14 13:24**			
Fluorobenzene	433646	6.266	392692	6.266	110	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	303029	10.566	274590	10.56	110	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	136028	13.53	137305	13.524	99	50 - 200	0.0060	+/-0.50	
GA-TU13SB8-34 (1410014-02)			**Lab File ID: 1410014-02.D**			**Analyzed: 10/09/14 13:47**			
Fluorobenzene	402677	6.272	392692	6.266	103	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	291256	10.566	274590	10.56	106	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	146021	13.53	137305	13.524	106	50 - 200	0.0060	+/-0.50	
GA-TU13SB9-20 (1410014-03)			**Lab File ID: 1410014-03.D**			**Analyzed: 10/09/14 14:10**			
Fluorobenzene	420075	6.272	392692	6.266	107	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	298609	10.566	274590	10.56	109	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	150256	13.53	137305	13.524	109	50 - 200	0.0060	+/-0.50	
GA-TU13SB9-34 (1410014-04)			**Lab File ID: 1410014-04.D**			**Analyzed: 10/09/14 14:34**			
Fluorobenzene	414515	6.266	392692	6.266	106	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	295723	10.566	274590	10.56	108	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	147042	13.53	137305	13.524	107	50 - 200	0.0060	+/-0.50	
GA-TU13SB10-15 (1410014-05)			**Lab File ID: 1410014-05.D**			**Analyzed: 10/09/14 14:57**			
Fluorobenzene	445208	6.266	392692	6.266	113	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	305410	10.566	274590	10.56	111	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	127102	13.531	137305	13.524	93	50 - 200	0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J09046

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J08013
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB10-34 (1410014-06)			**Lab File ID: 1410014-06.D**			**Analyzed: 10/09/14 15:21**			
Fluorobenzene	413330	6.266	392692	6.266	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	296584	10.566	274590	10.56	108	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	148666	13.53	137305	13.524	108	50 - 200	0.0060	+/-0.50	
GA-TU13SB11-20 (1410014-07)			**Lab File ID: 1410014-07.D**			**Analyzed: 10/09/14 15:44**			
Fluorobenzene	418570	6.272	392692	6.266	107	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	296575	10.566	274590	10.56	108	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	143388	13.53	137305	13.524	104	50 - 200	0.0060	+/-0.50	
GA-TU13SB11-34 (1410014-08)			**Lab File ID: 1410014-08.D**			**Analyzed: 10/09/14 16:08**			
Fluorobenzene	398739	6.266	392692	6.266	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	287615	10.566	274590	10.56	105	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	139282	13.53	137305	13.524	101	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J08013
Sequence: 4J10037
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J10037-CCV1)			**Lab File ID: CCV1010A.D**			**Analyzed: 10/10/14 08:19**			
Fluorobenzene	405721	6.266	392692	6.266	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	278310	10.56	274590	10.56	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	143633	13.524	137305	13.524	105	50 - 200	0.0000	+/-0.50	
LCS (1411044-BS1)			**Lab File ID: BS1010A.D**			**Analyzed: 10/10/14 08:43**			
Fluorobenzene	447857	6.266	392692	6.266	114	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	300412	10.56	274590	10.56	109	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	150161	13.524	137305	13.524	109	50 - 200	0.0000	+/-0.50	
Blank (1411044-BLK1)			**Lab File ID: BLK1010.D**			**Analyzed: 10/10/14 09:30**			
Fluorobenzene	424475	6.266	392692	6.266	108	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	288646	10.566	274590	10.56	105	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	137561	13.531	137305	13.524	100	50 - 200	0.0070	+/-0.50	
GA-TU13SB12-15 (1410025-01)			**Lab File ID: 1410025-01.D**			**Analyzed: 10/10/14 09:53**			
Fluorobenzene	466352	6.266	392692	6.266	119	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	322881	10.566	274590	10.56	118	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	148581	13.53	137305	13.524	108	50 - 200	0.0060	+/-0.50	
GA-TU13SB12-34 (1410025-02)			**Lab File ID: 1410025-02.D**			**Analyzed: 10/10/14 10:16**			
Fluorobenzene	478232	6.266	392692	6.266	122	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	337377	10.566	274590	10.56	123	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	154611	13.53	137305	13.524	113	50 - 200	0.0060	+/-0.50	
GA-TU13SB13-20 (1410025-03)			**Lab File ID: 1410025-03.D**			**Analyzed: 10/10/14 10:39**			
Fluorobenzene	494270	6.272	392692	6.266	126	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	351971	10.566	274590	10.56	128	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	166781	13.53	137305	13.524	121	50 - 200	0.0060	+/-0.50	
GA-TU13SB13-34 (1410025-04)			**Lab File ID: 1410025-04.D**			**Analyzed: 10/10/14 11:01**			
Fluorobenzene	455721	6.272	392692	6.266	116	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	333325	10.566	274590	10.56	121	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	158187	13.53	137305	13.524	115	50 - 200	0.0060	+/-0.50	
GA-TU13SB14-15 (1410025-05)			**Lab File ID: 1410025-05.D**			**Analyzed: 10/10/14 11:24**			
Fluorobenzene	454203	6.272	392692	6.266	116	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	320565	10.566	274590	10.56	117	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	139296	13.53	137305	13.524	101	50 - 200	0.0060	+/-0.50	
GA-TU13SB14-34 (1410025-06)			**Lab File ID: 1410025-06.D**			**Analyzed: 10/10/14 11:46**			
Fluorobenzene	486685	6.272	392692	6.266	124	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	343822	10.566	274590	10.56	125	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	160675	13.53	137305	13.524	117	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J08013
Sequence: 4J10037
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB14-34DUP (1410025-07)			**Lab File ID: 1410025-07.D**			**Analyzed: 10/10/14 12:09**			
Fluorobenzene	496291	6.272	392692	6.266	126	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	339049	10.566	274590	10.56	123	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	146315	13.53	137305	13.524	107	50 - 200	0.0060	+/-0.50	
GA-TU17SB34-15 (1410085-01)			**Lab File ID: 1410085-01.D**			**Analyzed: 10/10/14 12:31**			
Fluorobenzene	481834	6.272	392692	6.266	123	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	343091	10.566	274590	10.56	125	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	165680	13.525	137305	13.524	121	50 - 200	0.0010	+/-0.50	
GA-TU17SB36-20 (1410085-05)			**Lab File ID: 1410085-05.D**			**Analyzed: 10/10/14 13:39**			
Fluorobenzene	461670	6.272	392692	6.266	118	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	327654	10.566	274590	10.56	119	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	158471	13.531	137305	13.524	115	50 - 200	0.0070	+/-0.50	
GA-TU17SB38-15 (1410085-06)			**Lab File ID: 1410085-06.D**			**Analyzed: 10/10/14 14:01**			
Fluorobenzene	449450	6.272	392692	6.266	114	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	328383	10.566	274590	10.56	120	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	158785	13.53	137305	13.524	116	50 - 200	0.0060	+/-0.50	
GA-TU017SB34-37DUP (1410085-08)			**Lab File ID: 1410085-08.D**			**Analyzed: 10/10/14 14:24**			
Fluorobenzene	494473	6.272	392692	6.266	126	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	340734	10.566	274590	10.56	124	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	162031	13.53	137305	13.524	118	50 - 200	0.0060	+/-0.50	
GA-TU17SB35-15 (1410085-04)			**Lab File ID: 1410085-04A.D**			**Analyzed: 10/10/14 14:46**			
Fluorobenzene	467147	6.272	392692	6.266	119	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	325565	10.566	274590	10.56	119	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	157856	13.53	137305	13.524	115	50 - 200	0.0060	+/-0.50	
GA-TU17SB34-37 (1410085-02)			**Lab File ID: 1410085-02A.D**			**Analyzed: 10/10/14 15:09**			
Fluorobenzene	486409	6.272	392692	6.266	124	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	339661	10.566	274590	10.56	124	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	160973	13.525	137305	13.524	117	50 - 200	0.0010	+/-0.50	
GA-TU017SB38-15DUP (1410085-09)			**Lab File ID: 1410085-09.D**			**Analyzed: 10/10/14 15:31**			
Fluorobenzene	440143	6.272	392692	6.266	112	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	319372	10.566	274590	10.56	116	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	159366	13.53	137305	13.524	116	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water
Sequence: 4J14046

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J02011
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J14046-CCV1)			**Lab File ID: CCV1013A.D**			**Analyzed: 10/13/14 19:37**			
Fluorobenzene	631070	6.26	523953	6.266	120	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	450028	10.56	369199	10.56	122	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	215388	13.524	177762	13.524	121	50 - 200	0.0000	+/-0.50	
LCS (1411272-BS1)			**Lab File ID: BS1013A.D**			**Analyzed: 10/13/14 20:03**			
Fluorobenzene	621288	6.26	523953	6.266	119	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	442424	10.56	369199	10.56	120	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	211166	13.524	177762	13.524	119	50 - 200	0.0000	+/-0.50	
Blank (1411272-BLK1)			**Lab File ID: BLK1013A.D**			**Analyzed: 10/13/14 20:55**			
Fluorobenzene	618919	6.26	523953	6.266	118	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	442552	10.56	369199	10.56	120	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	199548	13.524	177762	13.524	112	50 - 200	0.0000	+/-0.50	
FQC-TB100114JC-001 (1410085-07)			**Lab File ID: 1410085-07.D**			**Analyzed: 10/13/14 21:47**			
Fluorobenzene	607517	6.266	523953	6.266	116	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	421700	10.56	369199	10.56	114	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	152436	13.53	177762	13.524	86	50 - 200	0.0060	+/-0.50	
GA-TU17GW34-01 (1410085-03)			**Lab File ID: 1410085-03.D**			**Analyzed: 10/13/14 22:14**			
Fluorobenzene	602269	6.266	523953	6.266	115	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	411820	10.56	369199	10.56	112	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	149428	13.53	177762	13.524	84	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J15036

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J08013
Instrument: 350

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J15036-CCV1)			**Lab File ID: CCV1014.D**			**Analyzed: 10/14/14 09:15**			
Fluorobenzene	461251	6.26	392692	6.266	117	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	325691	10.56	274590	10.56	119	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	172950	13.524	137305	13.524	126	50 - 200	0.0000	+/-0.50	
LCS (1411328-BS1)			**Lab File ID: BS1014.D**			**Analyzed: 10/14/14 09:38**			
Fluorobenzene	507089	6.272	392692	6.266	129	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	355125	10.56	274590	10.56	129	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	186295	13.524	137305	13.524	136	50 - 200	0.0000	+/-0.50	
Blank (1411328-BLK1)			**Lab File ID: BLK1014.D**			**Analyzed: 10/14/14 10:23**			
Fluorobenzene	514727	6.272	392692	6.266	131	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	356212	10.566	274590	10.56	130	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	168642	13.53	137305	13.524	123	50 - 200	0.0060	+/-0.50	
GA-TU17SB34-15 (1410085-01RE1)			**Lab File ID: 1410085-01.D**			**Analyzed: 10/14/14 17:53**			
Fluorobenzene	440947	6.272	392692	6.266	112	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	318467	10.566	274590	10.56	116	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	161320	13.524	137305	13.524	117	50 - 200	0.0000	+/-0.50	

HOLDING TIME SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

Method: Volatile Organic Compounds by EPA Method 8260C

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
FQC-TB092214JC-001	09/22/14	09/23/14		10/02/14	10	NA	10/02/14	11	14	
GA-TU15SB27-22	09/22/14	09/23/14		09/30/14	8	NA	09/30/14	8	14	
GA-TU15SB27-45	09/22/14	09/23/14		09/30/14	8	NA	09/30/14	8	14	
GA-TU15GW27-01	09/22/14	09/23/14		10/02/14	10	NA	10/02/14	10	14	
GA-TU15SB28-15	09/22/14	09/23/14		09/30/14	8	NA	09/30/14	8	14	
GA-TU15SB25-27	09/22/14	09/23/14		09/30/14	8	NA	09/30/14	8	14	
GA-TU15SB25-45	09/22/14	09/23/14		09/30/14	8	NA	09/30/14	8	14	
GA-TU15GW25-01	09/22/14	09/23/14		10/02/14	10	NA	10/02/14	10	14	
GA-TU15SB26-10	09/22/14	09/23/14		09/30/14	8	NA	09/30/14	8	14	
GA-TU14SB16-12	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB16-35	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB15-13	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB17-21	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB17-34	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB19-35	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB15-35	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB15-35DUP	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	8	14	
GA-TU14SB19-16	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB18-35	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB18-05	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14GW15-01	09/23/14	09/24/14		10/02/14	9	NA	10/02/14	10	14	
FQC-TB092314JC-001	09/23/14	09/24/14		10/02/14	9	NA	10/02/14	9	14	

HOLDING TIME SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Method: Volatile Organic Compounds by EPA Method 8260C

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
FQC-TB092414JC-001	09/24/14	09/25/14		10/02/14	8	NA	10/02/14	8	14	
GA-TU14GW20-01	09/24/14	09/25/14		10/02/14	8	NA	10/03/14	9	14	
GA-TU14SB23-25	09/24/14	09/25/14		10/01/14	7	NA	10/01/14	7	14	
GA-TU14SB23-33	09/24/14	09/25/14		10/01/14	7	NA	10/01/14	7	14	
GA-TU14SB24-07	09/24/14	09/25/14		10/01/14	7	NA	10/01/14	7	14	
GA-TU14SB24-33	09/24/14	09/25/14		10/01/14	7	NA	10/01/14	7	14	
GA-TU14SB21-5	09/24/14	09/25/14		10/01/14	7	NA	10/01/14	7	14	
GA-TU14SB21-33	09/24/14	09/25/14		10/01/14	7	NA	10/01/14	7	14	
GA-TU14SB22-26	09/24/14	09/25/14		10/01/14	7	NA	10/01/14	7	14	
GA-TU14SB22-33	09/24/14	09/25/14		10/01/14	7	NA	10/01/14	7	14	
GA-TU14SB20-5	09/24/14	09/25/14		10/01/14	7	NA	10/01/14	7	14	
GA-TU14SB20-33	09/24/14	09/25/14		10/01/14	7	NA	10/01/14	7	14	
GA-TU13SB01-08	09/25/14	09/26/14		10/01/14	6	NA	10/01/14	6	14	
GA-TU13SB01-32	09/25/14	09/26/14		10/01/14	6	NA	10/01/14	6	14	
GA-TU13SB02-14	09/25/14	09/26/14		10/01/14	6	NA	10/01/14	6	14	
GA-TU13SB02-33	09/25/14	09/26/14		10/01/14	6	NA	10/01/14	6	14	
GA-TU13SB04-07	09/25/14	09/26/14		10/01/14	6	NA	10/01/14	6	14	
GA-TU13SB04-33	09/25/14	09/26/14		10/01/14	6	NA	10/01/14	6	14	
FQC-TB092514JC-001	09/25/14	09/26/14		10/02/14	7	NA	10/03/14	8	14	
GA-TU13SB03-12	09/25/14	09/26/14		10/01/14	6	NA	10/01/14	6	14	
GA-TU13GW02-01	09/25/14	09/26/14		10/02/14	7	NA	10/03/14	8	14	
GA-TU13GW05-01	09/25/14	09/26/14		10/02/14	7	NA	10/03/14	8	14	

HOLDING TIME SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Method: Volatile Organic Compounds by EPA Method 8260C

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU13GW03-01	09/25/14	09/26/14		10/02/14	7	NA	10/03/14	8	14	
GA-TU13SB06-14	09/25/14	09/26/14		10/01/14	6	NA	10/01/14	6	14	
GA-TU13SB06-33	09/25/14	09/26/14		10/01/14	6	NA	10/01/14	6	14	
GA-TU13SB07-08	09/25/14	09/26/14		10/08/14	13	NA	10/08/14	13	14	
GA-TU13SB07-33	09/25/14	09/26/14		10/08/14	13	NA	10/08/14	13	14	
GA-TU13SB03-33	09/25/14	09/26/14		10/08/14	13	NA	10/08/14	13	14	
GA-TU13SB05-12	09/25/14	09/26/14		10/08/14	13	NA	10/08/14	13	14	
GA-TU13SB05-33	09/25/14	09/26/14		10/08/14	13	NA	10/08/14	13	14	
FQC-TB092614JC-001	09/26/14	09/27/14		10/02/14	6	NA	10/03/14	7	14	
GA-TU16SB30-08	09/26/14	09/27/14		10/08/14	12	NA	10/09/14	13	14	
GA-TU16SB31-08	09/26/14	09/27/14		10/08/14	12	NA	10/09/14	13	14	
GA-TU16SB32-17	09/26/14	09/27/14		10/08/14	12	NA	10/09/14	13	14	
GA-TU16SB33-10	09/26/14	09/27/14		10/08/14	12	NA	10/09/14	13	14	
GA-TU16GW29-01	09/26/14	09/27/14		10/02/14	6	NA	10/03/14	7	14	
FQC-EB092614JC-001	09/26/14	09/27/14		10/02/14	6	NA	10/03/14	7	14	
GA-TU16SB29-15	09/26/14	09/27/14		10/08/14	12	NA	10/09/14	13	14	
GA-TU16SB29-15DUP	09/26/14	09/27/14		10/08/14	12	NA	10/09/14	13	14	
GA-TU16SB29-44	09/26/14	09/27/14		10/08/14	12	NA	10/09/14	13	14	
GA-TU16SB29-44DUP	09/26/14	09/27/14		10/08/14	12	NA	10/09/14	13	14	
GA-TU13SB8-15	09/29/14	09/30/14		10/08/14	9	NA	10/09/14	10	14	
GA-TU13SB8-34	09/29/14	09/30/14		10/08/14	9	NA	10/09/14	10	14	
GA-TU13SB9-20	09/29/14	09/30/14		10/08/14	9	NA	10/09/14	10	14	

HOLDING TIME SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

Method: Volatile Organic Compounds by EPA Method 8260C

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU13SB9-34	09/29/14	09/30/14		10/08/14	9	NA	10/09/14	10	14	
GA-TU13SB10-15	09/29/14	09/30/14		10/08/14	9	NA	10/09/14	10	14	
GA-TU13SB10-34	09/29/14	09/30/14		10/08/14	9	NA	10/09/14	10	14	
GA-TU13SB11-20	09/29/14	09/30/14		10/08/14	9	NA	10/09/14	10	14	
GA-TU13SB11-34	09/29/14	09/30/14		10/08/14	9	NA	10/09/14	10	14	
GA-TU13GW08-01	09/29/14	09/30/14		10/02/14	3	NA	10/03/14	4	14	
GA-TU13GW09-01	09/29/14	09/30/14		10/02/14	3	NA	10/03/14	4	14	
FQC-TB092914JC-001	09/29/14	09/30/14		10/02/14	3	NA	10/03/14	4	14	
GA-TU13SB12-15	09/30/14	10/01/14		10/10/14	10	NA	10/10/14	10	14	
GA-TU13SB12-34	09/30/14	10/01/14		10/10/14	10	NA	10/10/14	10	14	
GA-TU13SB13-20	09/30/14	10/01/14		10/10/14	10	NA	10/10/14	10	14	
GA-TU13SB13-34	09/30/14	10/01/14		10/10/14	10	NA	10/10/14	10	14	
GA-TU13SB14-15	09/30/14	10/01/14		10/10/14	10	NA	10/10/14	10	14	
GA-TU13SB14-34	09/30/14	10/01/14		10/10/14	10	NA	10/10/14	10	14	
GA-TU13SB14-34DUP	09/30/14	10/01/14		10/10/14	10	NA	10/10/14	11	14	
GA-TU13GW12-01	09/30/14	10/01/14		10/02/14	2	NA	10/03/14	3	14	
GA-TU13GW13-01	09/30/14	10/01/14		10/02/14	2	NA	10/03/14	3	14	
FQC-TB093014JC-001	09/30/14	10/01/14		10/02/14	2	NA	10/03/14	3	14	
GA-TU17SB34-15	10/01/14	10/02/14		10/10/14	9	NA	10/10/14	9	14	
GA-TU17SB34-15	10/01/14	10/02/14		10/14/14	13	NA	10/14/14	13	14	
GA-TU17SB34-37	10/01/14	10/02/14		10/10/14	9	NA	10/10/14	9	14	
GA-TU17GW34-01	10/01/14	10/02/14		10/13/14	12	NA	10/13/14	13	14	

HOLDING TIME SUMMARY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

Method: Volatile Organic Compounds by EPA Method 8260C

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU17SB35-15	10/01/14	10/02/14		10/10/14	9	NA	10/10/14	9	14	
GA-TU17SB36-20	10/01/14	10/02/14		10/10/14	9	NA	10/10/14	9	14	
GA-TU17SB38-15	10/01/14	10/02/14		10/10/14	9	NA	10/10/14	9	14	
FQC-TB100114JC-001	10/01/14	10/02/14		10/13/14	12	NA	10/13/14	12	14	
GA-TU017SB34-37DUP	10/01/14	10/02/14		10/10/14	9	NA	10/10/14	9	14	
GA-TU017SB38-15DUP	10/01/14	10/02/14		10/10/14	9	NA	10/10/14	9	14	

TRIMATRIX LABORATORIES

SECTION - C

SAMPLE DATA

USEPA-8260C

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092214JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1409384-01 File ID: 1409384-01.D

Sampled: 09/22/14 09:30 Prepared: 10/02/14 15:00 Analyzed: 10/02/14 21:37

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.0	1.6	5.0	5.0	U
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092214JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1409384-01 File ID: 1409384-01.D

Sampled: 09/22/14 09:30 Prepared: 10/02/14 15:00 Analyzed: 10/02/14 21:37

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	39.9	100	80 - 119	
1,2-Dichloroethane-d4	40.0	40.7	102	81 - 118	
Toluene-d8	40.0	39.0	98	89 - 112	
4-Bromofluorobenzene	40.0	37.0	92	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092214JC-001

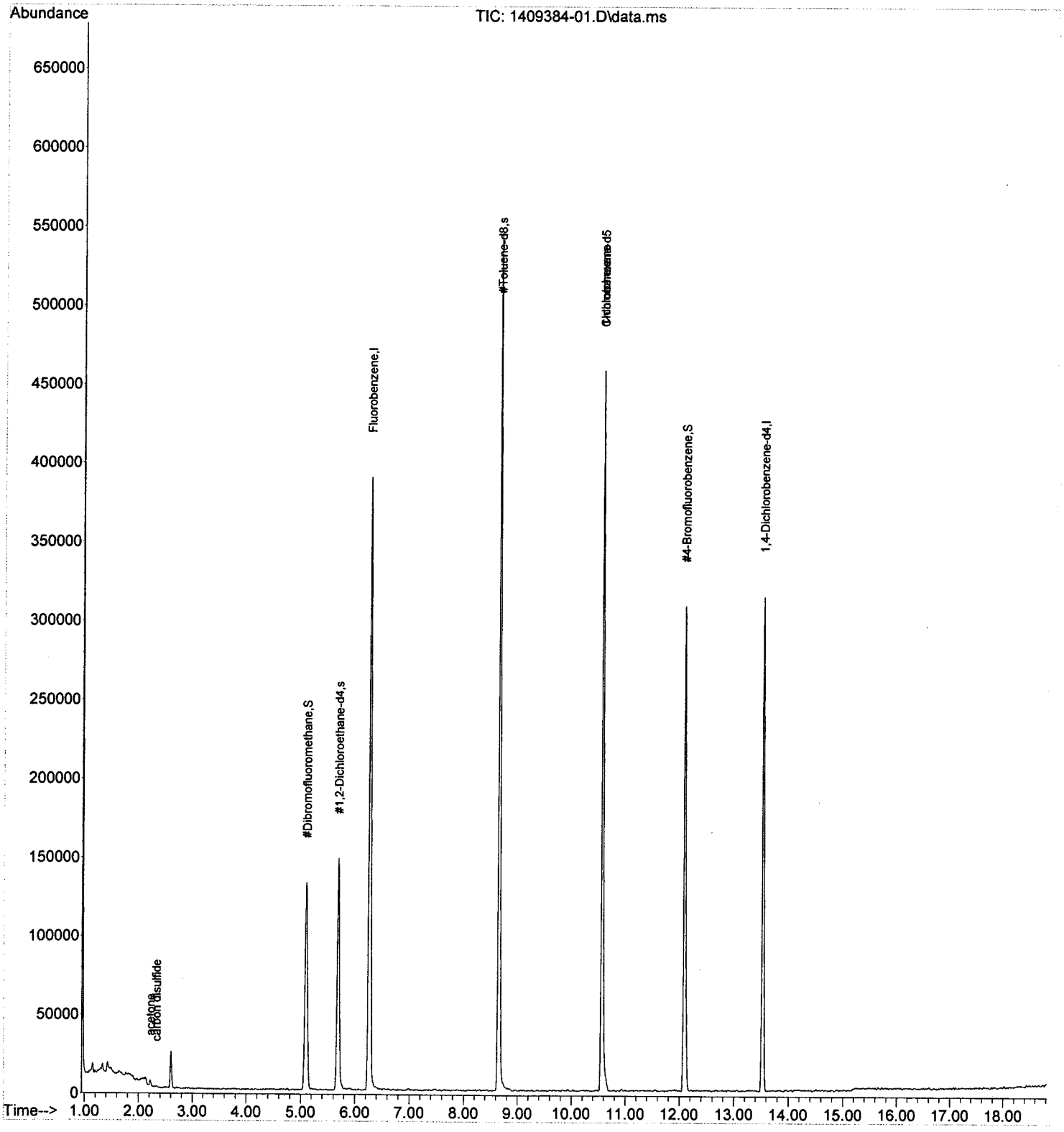
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1409384-01
File ID: 1409384-01.D
Sampled: 09/22/14 09:30
Prepared: 10/02/14 15:00
Analyzed: 10/02/14 21:37
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	500142	6.266	523953	6.266	
Chlorobenzene-d5	334636	10.566	369199	10.56	
1,4-Dichlorobenzene-d4	111203	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-01.D
Acq On : 02 Oct 2014 21:37
Operator : DLV
Sample : 1409384-01
Misc : AECOM
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 04 11:42:35 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



000305

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-01.D
Acq On : 02 Oct 2014 21:37
Operator : DLV
Sample : 1409384-01
Misc : AECOM
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 04 11:42:35 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	500142	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	334636	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	111203	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.101	111	132007	39.88	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.70%				
37) #1,2-Dichloroethane-d4	5.683	67	83620	40.69	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.72%				
46) #Toluene-d8	8.654	98	475498	39.01	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.52%				
64) #4-Bromofluorobenzene	12.083	95	154223	36.98	ug/L		0.00
Spiked Amount 40.000			Recovery = 92.45%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.219	43	4251	1.37	ug/L		92
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.331	76	1205	~~0.14~~	ug/L	#	74
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.601	49	13546	Below Cal			99
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	0.000		0	N.D.			
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	6.266	57	17991	No Calib		#	
38) trichloroethene	0.000		0	N.D.			

000306

Quantitation Report (Not Reviewed)

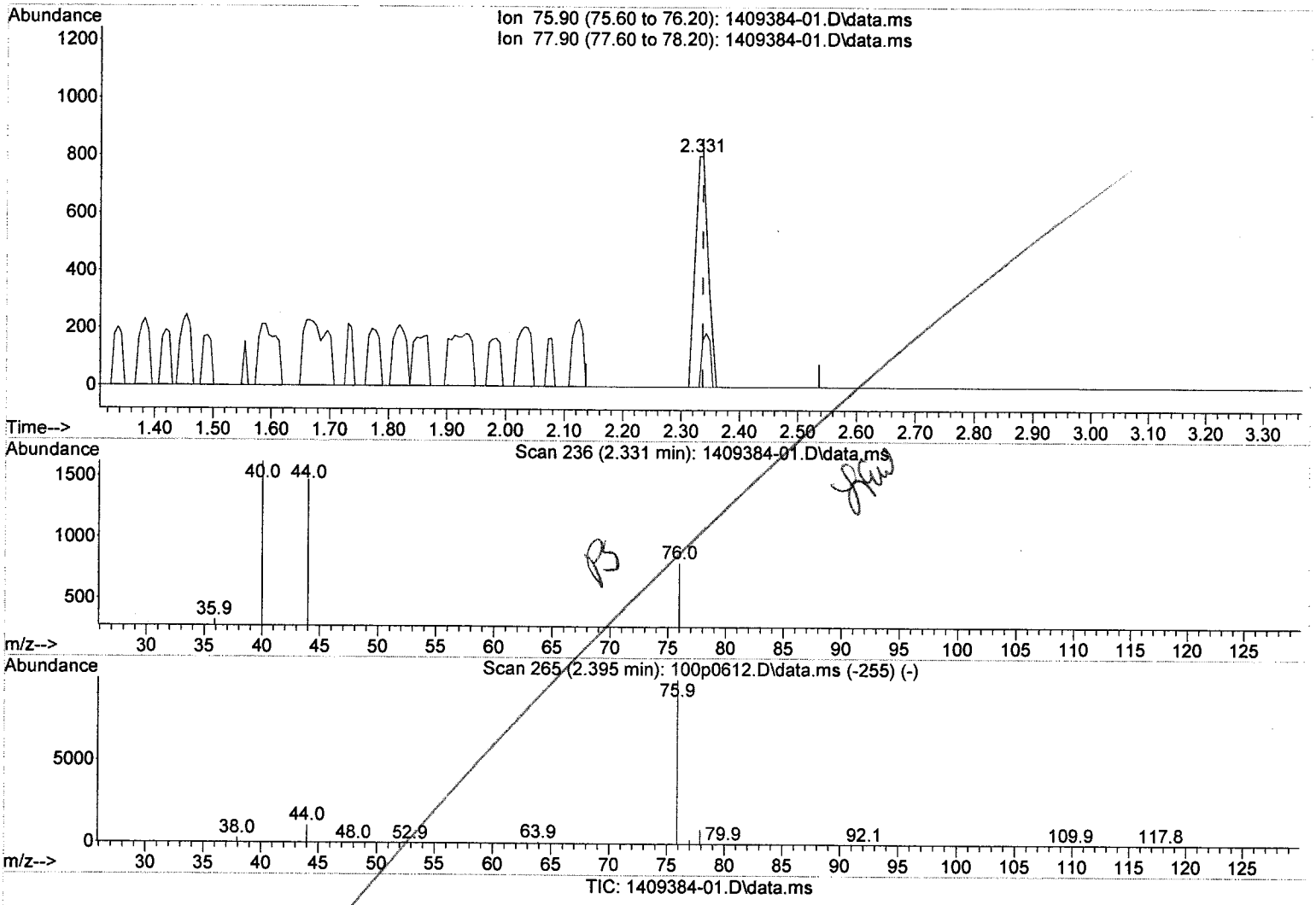
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-01.D
Acq On : 02 Oct 2014 21:37
Operator : DLV
Sample : 1409384-01
Misc : AECOM
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 04 11:42:35 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.	
40)	1,2-dichloropropane	0.000		0	N.D.	
41)	dibromomethane	0.000		0	N.D.	
42)	bromodichloromethane	0.000		0	N.D.	
43)	2-chloroethyl vinyl ether	0.000		0	N.D.	
44)	cis-1,3-dichloropropene	0.000		0	N.D.	
45)	4-methyl-2-pentanone (...	0.000		0	N.D.	
47)	toluene	0.000		0	N.D.	
48)	trans-1,3-dichloropropene	0.000		0	N.D.	
49)	1,1,2-trichloroethane	0.000		0	N.D.	
51)	tetrachloroethene	0.000		0	N.D.	
52)	1,3-dichloropropane	0.000		0	N.D.	
53)	2-hexanone (MBK)	0.000		0	N.D.	
54)	dibromochloromethane	0.000		0	N.D.	
55)	1,2-dibromoethane	0.000		0	N.D.	
56)	chlorobenzene	0.000		0	N.D.	
57)	1-chlorohexane	10.560	55	3011	0.89 ug/L #	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59)	ethylbenzene	0.000		0	N.D.	
60)	m+p-xylene	0.000		0	N.D.	
61)	o-xylene	0.000		0	N.D.	
62)	styrene	0.000		0	N.D.	
63)	bromoform	0.000		0	N.D.	
66)	isopropylbenzene	0.000		0	N.D.	
67)	bromobenzene	0.000		0	N.D.	
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69)	1,2,3-trichloropropane	0.000		0	N.D.	
70)	1,4-dichloro-2-butene	0.000		0	N.D.	
71)	n-propylbenzene	0.000		0	N.D.	
72)	2-chlorotoluene	0.000		0	N.D.	
73)	1,3,5-trimethylbenzene	0.000		0	N.D.	
74)	4-chlorotoluene	0.000		0	N.D.	
75)	tert-butylbenzene	0.000		0	N.D.	
76)	1,2,4-trimethylbenzene	0.000		0	N.D.	
77)	sec-butylbenzene	0.000		0	N.D.	
78)	1,3-dichlorobenzene	0.000		0	N.D.	
79)	4-isopropyltoluene	0.000		0	N.D.	
80)	1,4-dichlorobenzene	0.000		0	N.D.	
81)	1,2-dichlorobenzene	0.000		0	N.D.	
82)	n-butylbenzene	0.000		0	N.D.	
83)	hexachloroethane	0.000		0	N.D.	
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85)	1,2,4-trichlorobenzene	0.000		0	N.D.	
86)	hexachlorobutadiene	0.000		0	N.D.	
87)	naphthalene	0.000		0	N.D.	
88)	1,2,3-trichlorobenzene	0.000		0	N.D.	
89)	2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

000307

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-01.D
Acq On : 02 Oct 2014 21:37
Operator : DLV
Sample : 1409384-01
Misc : AECOM
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 03 06:47:18 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



(15) carbon disulfide

2.331min (-0.006) 0.14 ug/L

response 1205

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

000308

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB27-22

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-02 File ID: 1409384-02.D

Sampled: 09/22/14 10:30 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 17:46

Solids: 98.06 Preparation: 5035A Low Concentratio Initial/Final: 4.5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	16	4.8	5.7	5.7	
71-43-2	Benzene	1	0.18	0.18	0.57	1.1	J
108-86-1	Bromobenzene	1	0.57	0.15	0.57	1.1	U
74-97-5	Bromochloromethane	1	0.57	0.16	0.57	1.1	U
75-27-4	Bromodichloromethane	1	0.57	0.20	0.57	1.1	U
75-25-2	Bromoform	1	0.57	0.40	0.57	1.1	U
74-83-9	Bromomethane	1	0.57	0.37	0.57	1.1	U
104-51-8	n-Butylbenzene	1	0.57	0.29	0.57	1.1	U
135-98-8	sec-Butylbenzene	1	0.57	0.24	0.57	1.1	U
98-06-6	tert-Butylbenzene	1	0.57	0.19	0.57	1.1	U
75-15-0	Carbon Disulfide	1	0.32	0.26	0.57	1.1	J
56-23-5	Carbon Tetrachloride	1	0.57	0.37	0.57	1.1	U
108-90-7	Chlorobenzene	1	0.26	0.17	0.57	1.1	J
75-00-3	Chloroethane	1	1.1	0.57	1.1	1.1	U
67-66-3	Chloroform	1	0.57	0.16	0.57	1.1	U
74-87-3	Chloromethane	1	0.57	0.29	0.57	1.1	U
95-49-8	2-Chlorotoluene	1	0.57	0.33	0.57	1.1	U
106-43-4	4-Chlorotoluene	1	0.23	0.23	0.23	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.67	1.1	5.7	U
124-48-1	Dibromochloromethane	1	0.57	0.21	0.57	1.1	U
106-93-4	1,2-Dibromoethane	1	0.57	0.17	0.57	1.1	U
74-95-3	Dibromomethane	1	0.57	0.25	0.57	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.23	0.11	0.23	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.57	0.16	0.57	1.1	U
75-34-3	1,1-Dichloroethane	1	0.57	0.24	0.57	1.1	U
107-06-2	1,2-Dichloroethane	1	0.57	0.26	0.57	1.1	U
75-35-4	1,1-Dichloroethene	1	0.57	0.35	0.57	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.57	0.26	0.57	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.57	0.31	0.57	1.1	U
78-87-5	1,2-Dichloropropane	1	0.57	0.19	0.57	1.1	U
142-28-9	1,3-Dichloropropane	1	0.57	0.16	0.57	1.1	U
594-20-7	2,2-Dichloropropane	1	0.57	0.26	0.57	1.1	U
563-58-6	1,1-Dichloropropene	1	0.57	0.32	0.57	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.23	0.13	0.23	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.57	0.14	0.57	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB27-22

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-02 File ID: 1409384-02.D

Sampled: 09/22/14 10:30 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 17:46

Solids: 98.06 Preparation: 5035A Low Concentratio Initial/Final: 4.5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	7.0	0.21	0.57	1.1	
87-68-3	Hexachlorobutadiene	1	0.57	0.23	0.57	1.1	U
591-78-6	2-Hexanone	1	0.57	0.54	0.57	5.7	U
98-82-8	Isopropylbenzene	1	0.23	0.13	0.23	1.1	U
99-87-6	4-Isopropyltoluene	1	0.57	0.27	0.57	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.53	1.1	5.7	U
78-93-3	2-Butanone (MEK)	1	3.3	1.3	5.7	5.7	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.57	0.44	0.57	5.7	U
91-20-3	Naphthalene	1	0.57	0.18	0.57	5.7	U
103-65-1	n-Propylbenzene	1	0.57	0.13	0.57	1.1	U
100-42-5	Styrene	1	0.23	0.23	0.23	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.57	0.17	0.57	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.57	0.16	0.57	1.1	U
127-18-4	Tetrachloroethene	1	0.57	0.19	0.57	1.1	U
108-88-3	Toluene	1	14	0.11	0.23	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.57	0.32	0.57	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.57	0.19	0.57	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.57	0.16	0.57	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.57	0.24	0.57	1.1	U
79-01-6	Trichloroethene	1	0.57	0.27	0.57	1.1	U
75-69-4	Trichlorofluoromethane	1	0.57	0.19	0.57	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.57	0.26	0.57	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.20	0.13	0.57	1.1	J
108-67-8	1,3,5-Trimethylbenzene	1	0.57	0.22	0.57	1.1	U
75-01-4	Vinyl Chloride	1	0.57	0.23	0.57	1.1	U
179601-23-1	Xylene, Meta + Para	1	28	0.16	0.45	2.3	
95-47-6	Xylene, Ortho	1	6.1	0.13	0.23	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.1	103	78 - 119	
1,2-Dichloroethane-d4	40.0	43.0	107	71 - 136	
Toluene-d8	40.0	39.9	100	85 - 116	
4-Bromofluorobenzene	40.0	40.6	102	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	477550	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB27-22

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-02 File ID: 1409384-02.D

Sampled: 09/22/14 10:30 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 17:46

Solids: 98.06 Preparation: 5035A Low Concentratio Initial/Final: 4.5 grams / 5 mL

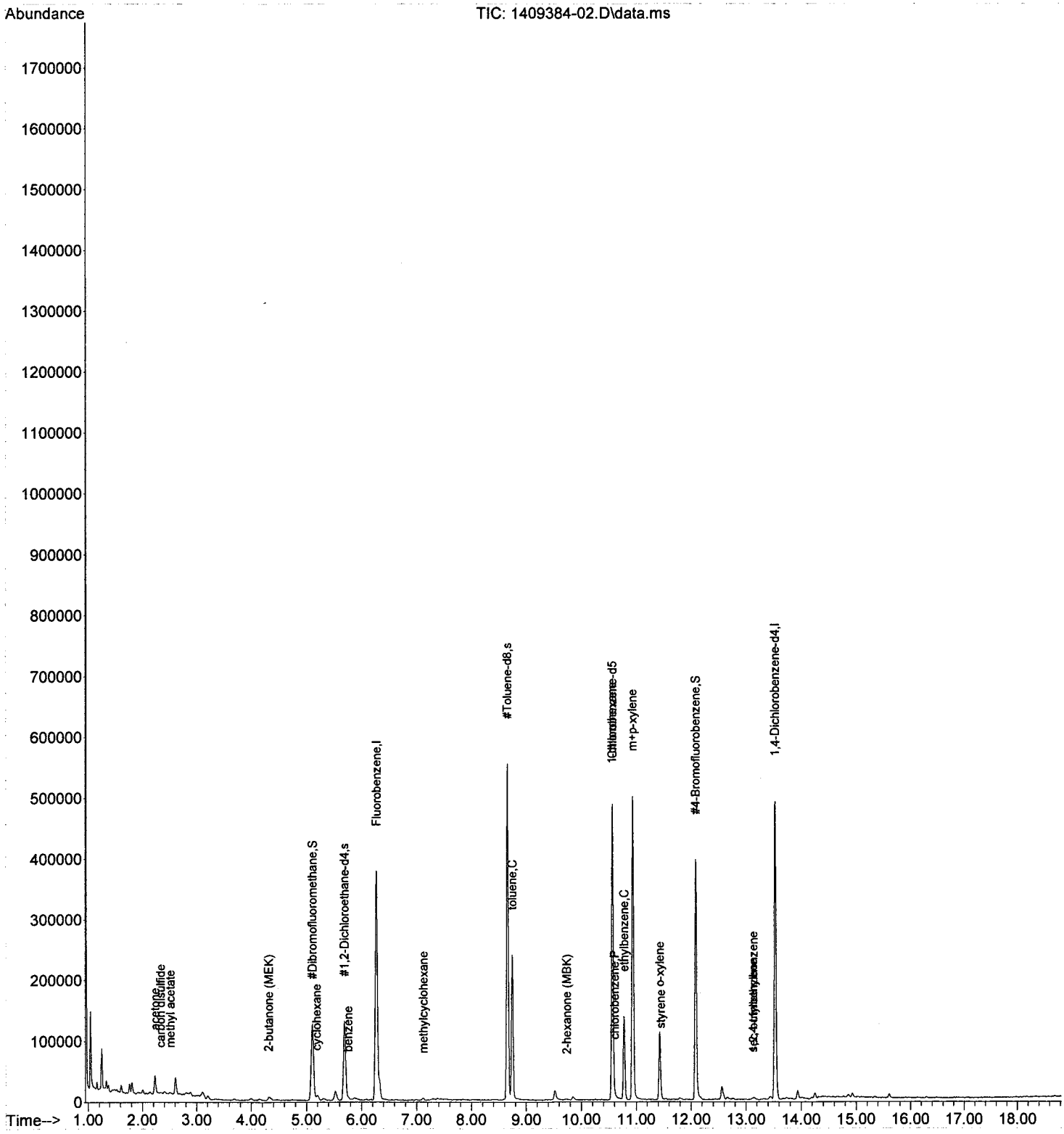
QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	336010	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	171014	13.53	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000312

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	477550	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	336010	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	171014	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	123488	41.12	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.80%				
37) #1,2-Dichloroethane-d4	5.690	67	73625	42.98	ug/L		0.00
Spiked Amount 40.000			Recovery = 107.45%				
46) #Toluene-d8	8.654	98	462465	39.88	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.70%				
64) #4-Bromofluorobenzene	12.083	95	171124	40.62	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.55%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	39796	13.96	ug/L		99
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	3118	0.28	ug/L	#	74
16) methyl acetate	2.513	43	2141	0.67	ug/L	#	60
17) methylene chloride	2.607	49	16307	Below Cal			96
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.319	43	12210	2.95	ug/L		100
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	5.184	56	1953	0.27	ug/L	#	18
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.760	78	2611	0.16	ug/L	#	65
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

080313

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

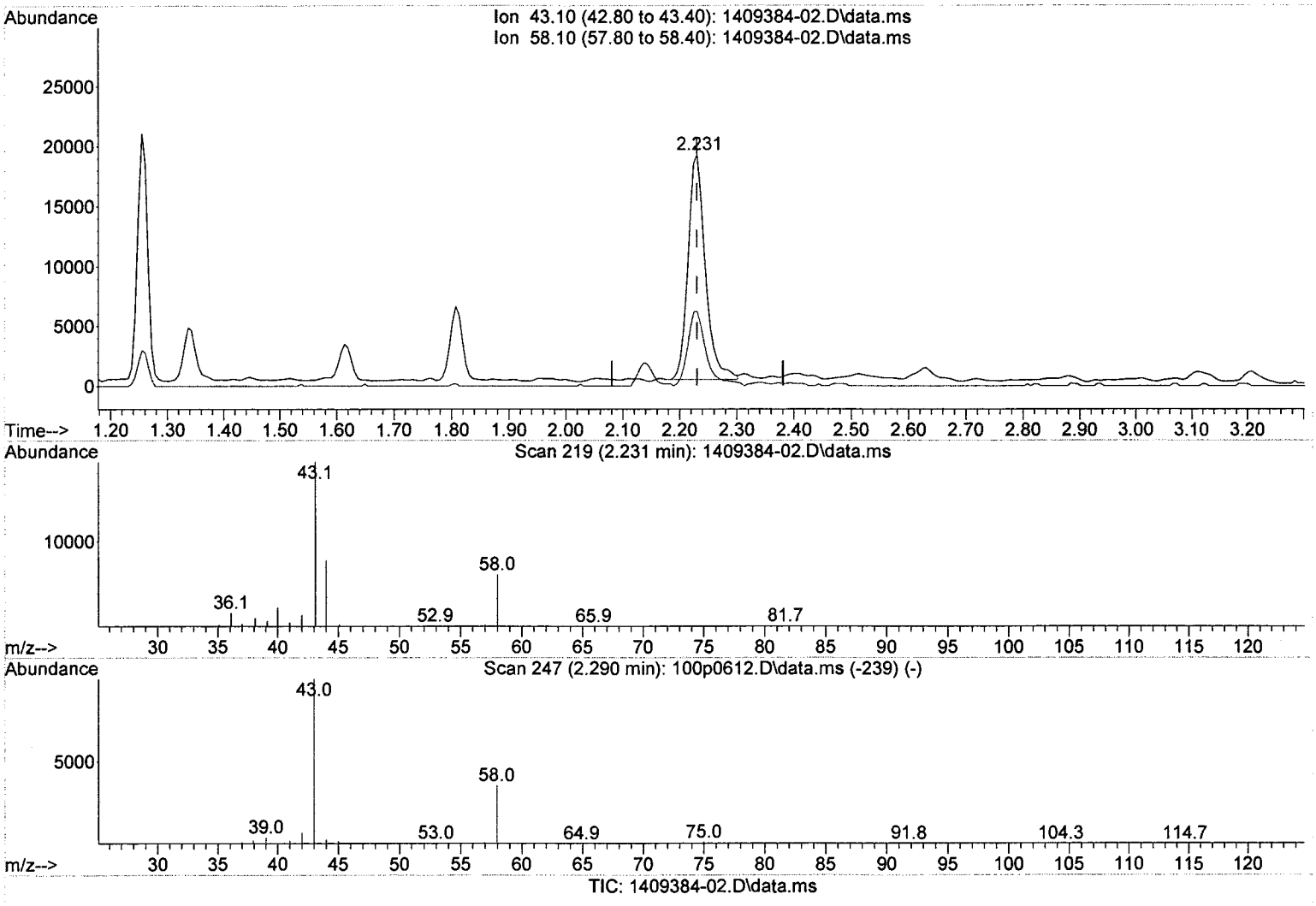
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.125	83	1717	0.23 ug/L #	69
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	213239	12.14 ug/L	100
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.736	43	1942	0.69 ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	10.601	112	2682	0.23 ug/L #	27
57) 1-chlorohexane	10.560	55	2552	0.58 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	121440	6.22 ug/L	97
60) m+p-xylene	10.931	106	177709	24.31 ug/L	99
61) o-xylene	11.431	106	37262	5.36 ug/L	99
62) styrene	11.448	104	3482	0.29 ug/L #	1
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.136	105	2928	0.18 ug/L #	32
77) sec-butylbenzene	13.136	105	2835	0.14 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

000314

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-02.D\data.ms

(13) acetone

2.231min (+ 0.000) 13.96 ug/L

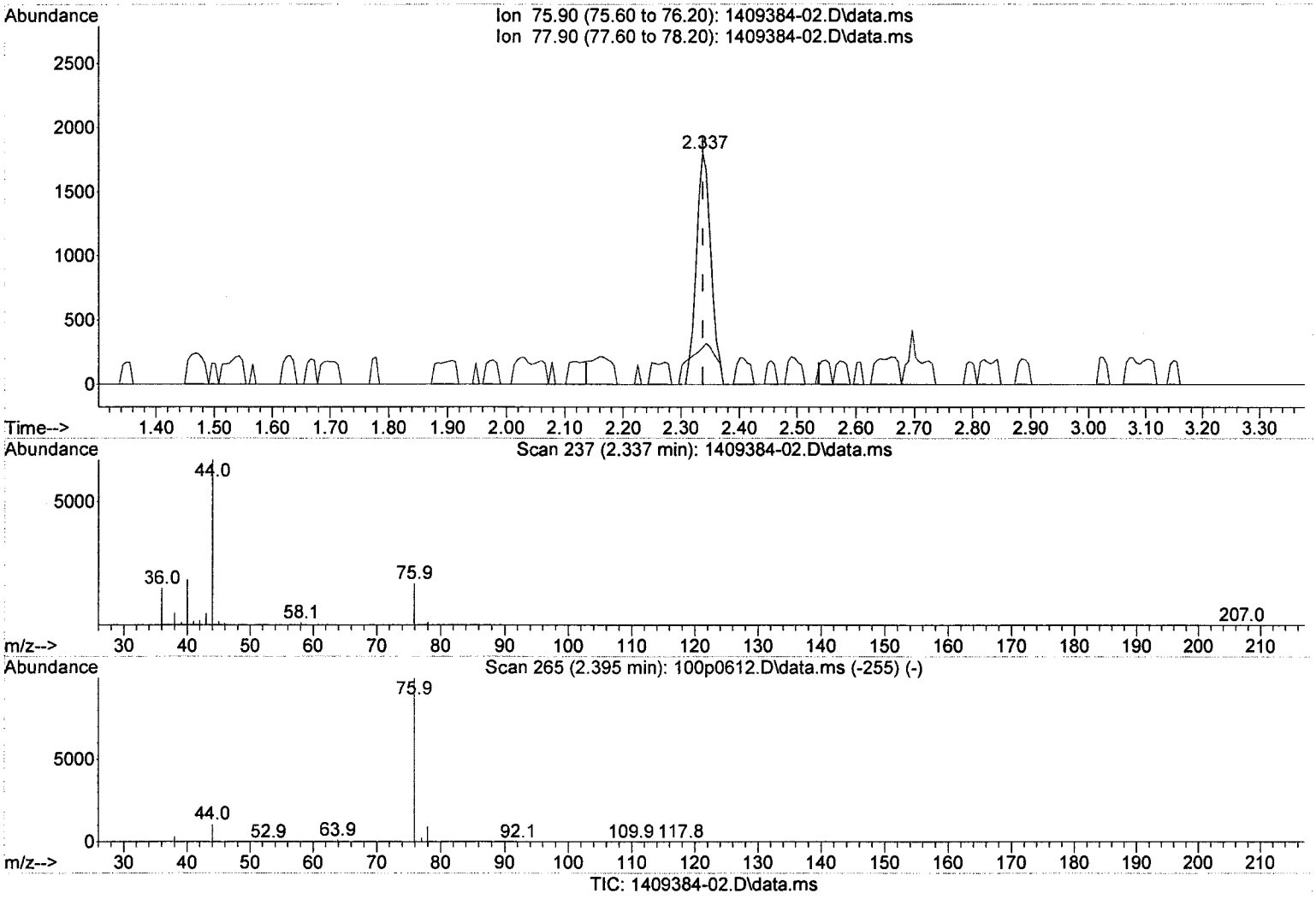
response 39796

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	34.99
0.00	0.00	0.00
0.00	0.00	0.00

000315

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-02.D\data.ms

(15) carbon disulfide

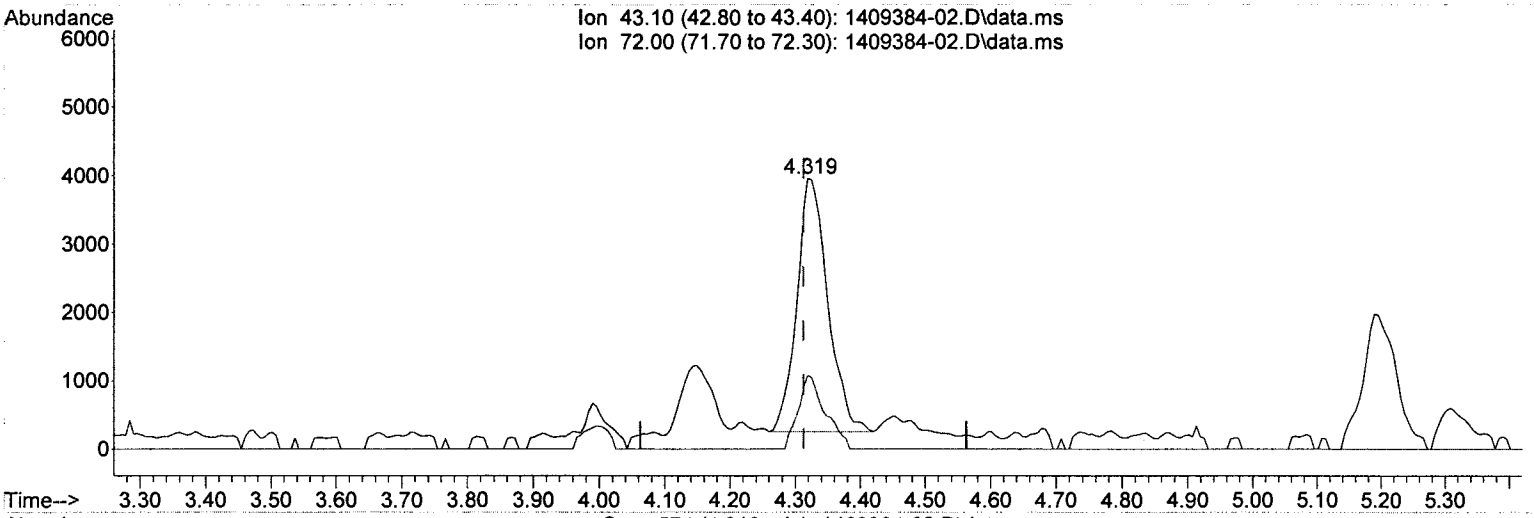
2.337min (-0.000) 0.28 ug/L

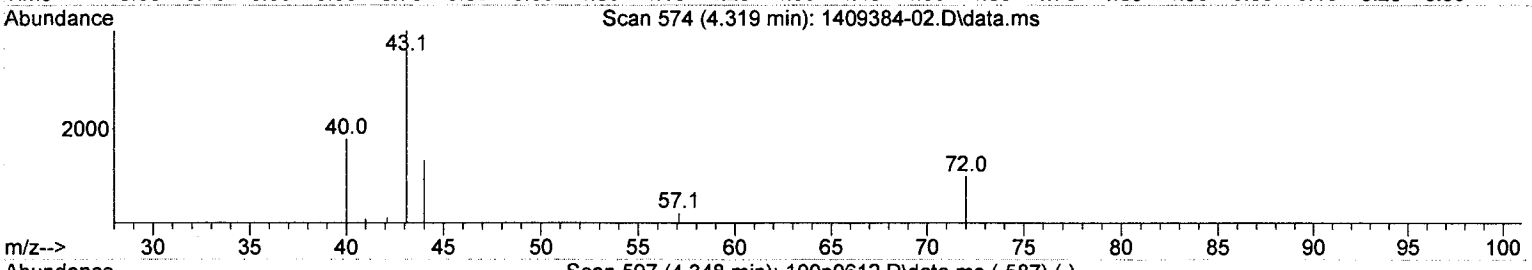
response 3118

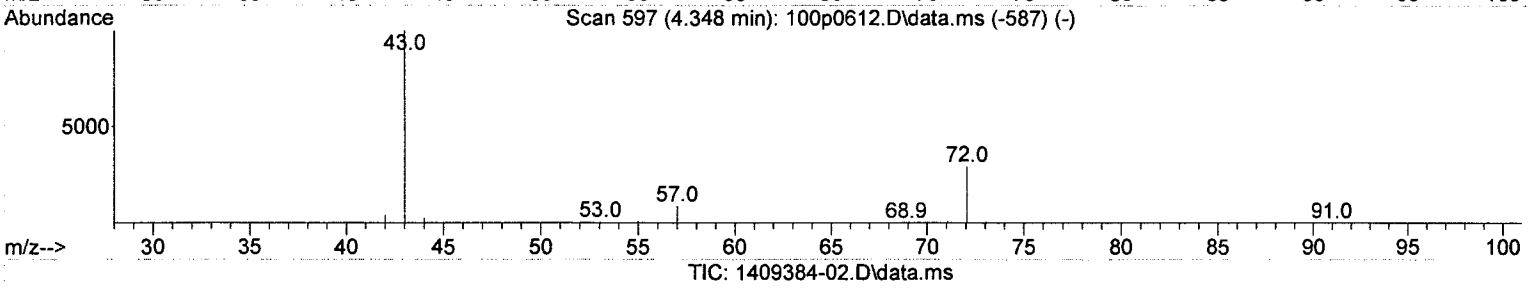
Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-02.D\data.ms

(25) 2-butanone (MEK)

4.319min (+ 0.006) 2.95 ug/L

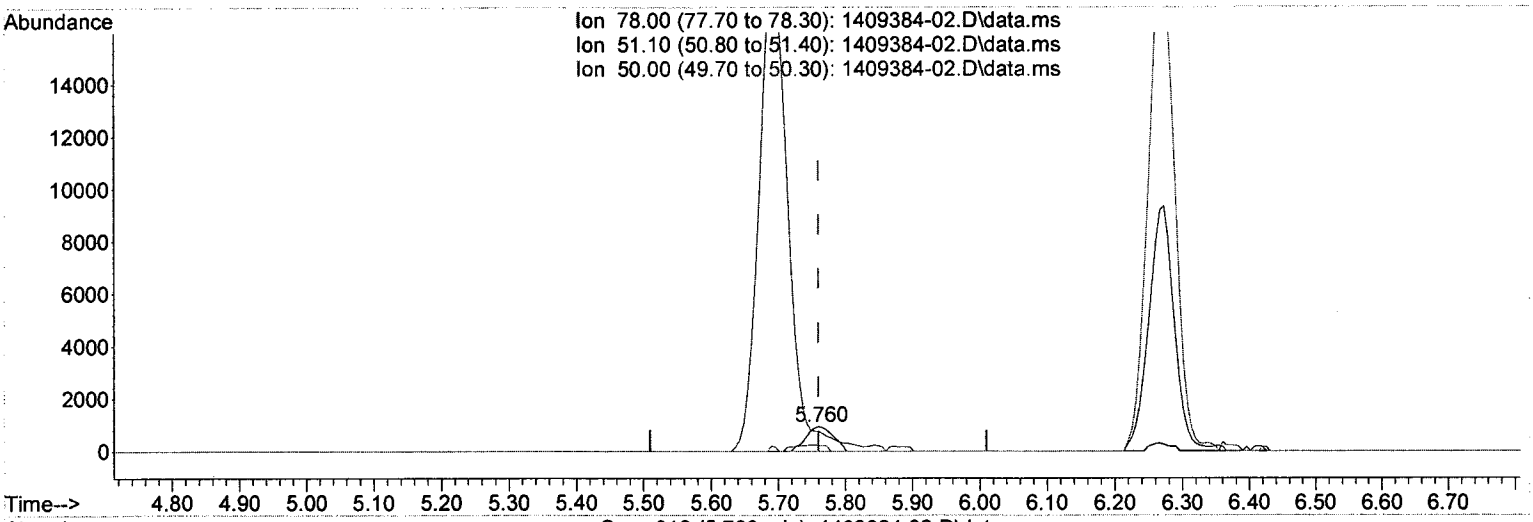
response 12210

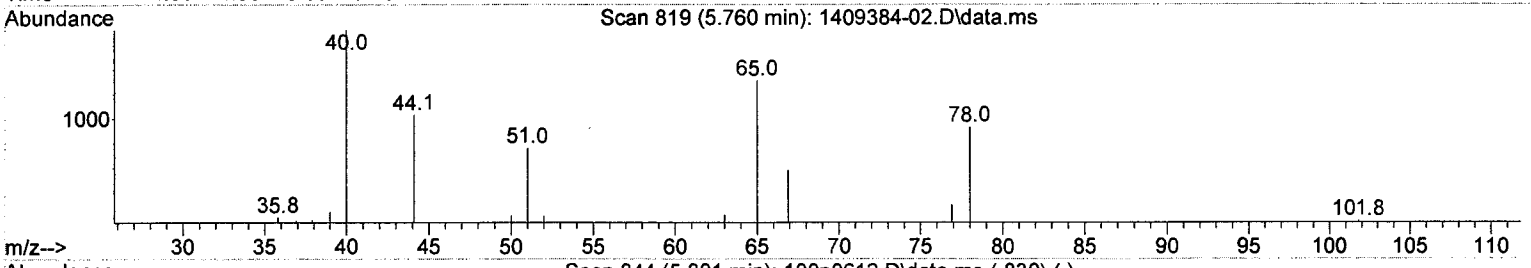
Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	25.23
0.00	0.00	0.00
0.00	0.00	0.00

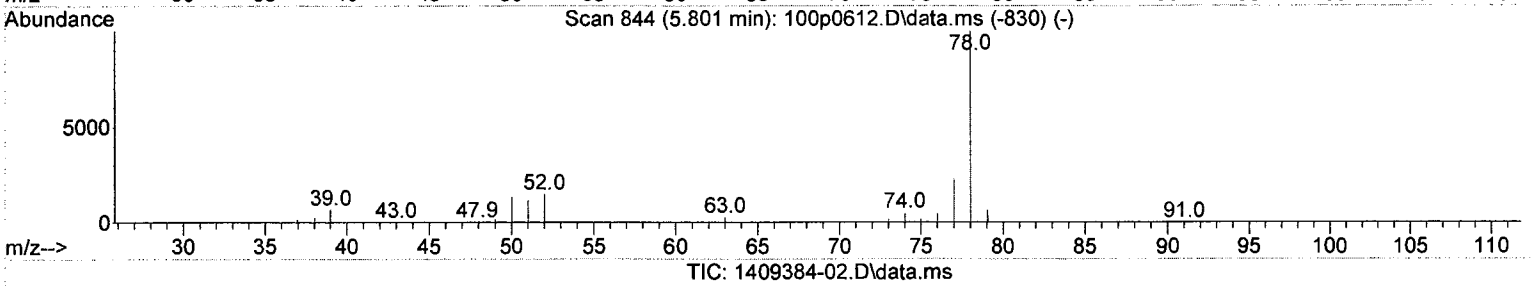
000317

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-02.D\data.ms

(34) benzene

5.760min (+ 0.000) 0.16 ug/L

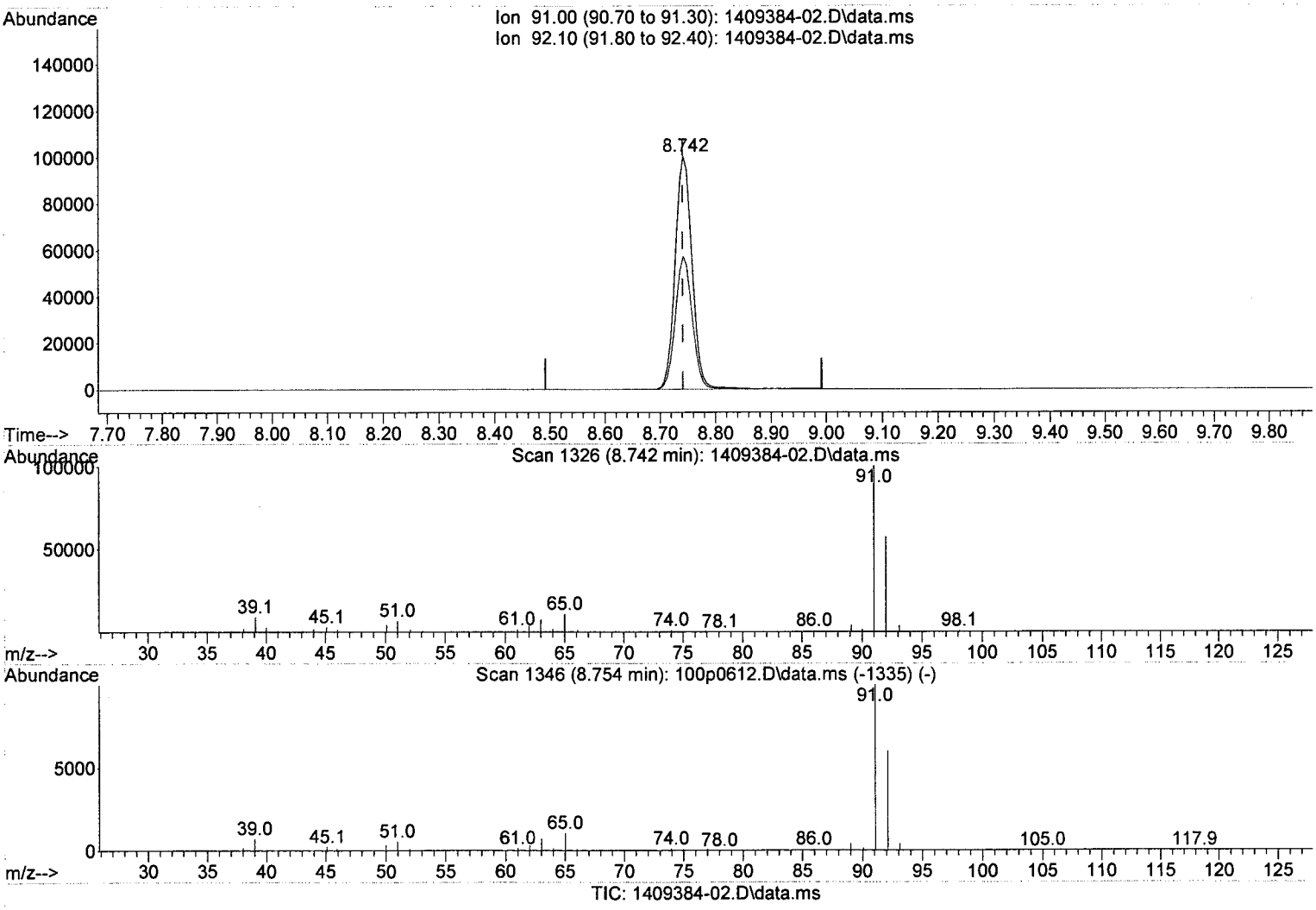
response 2611

Ion	Exp%	Act%
78.00	100.00	100.00
51.10	13.10	0.00
50.00	15.20	0.00
0.00	0.00	0.00

000318

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-02.D\data.ms

(47) toluene (C)

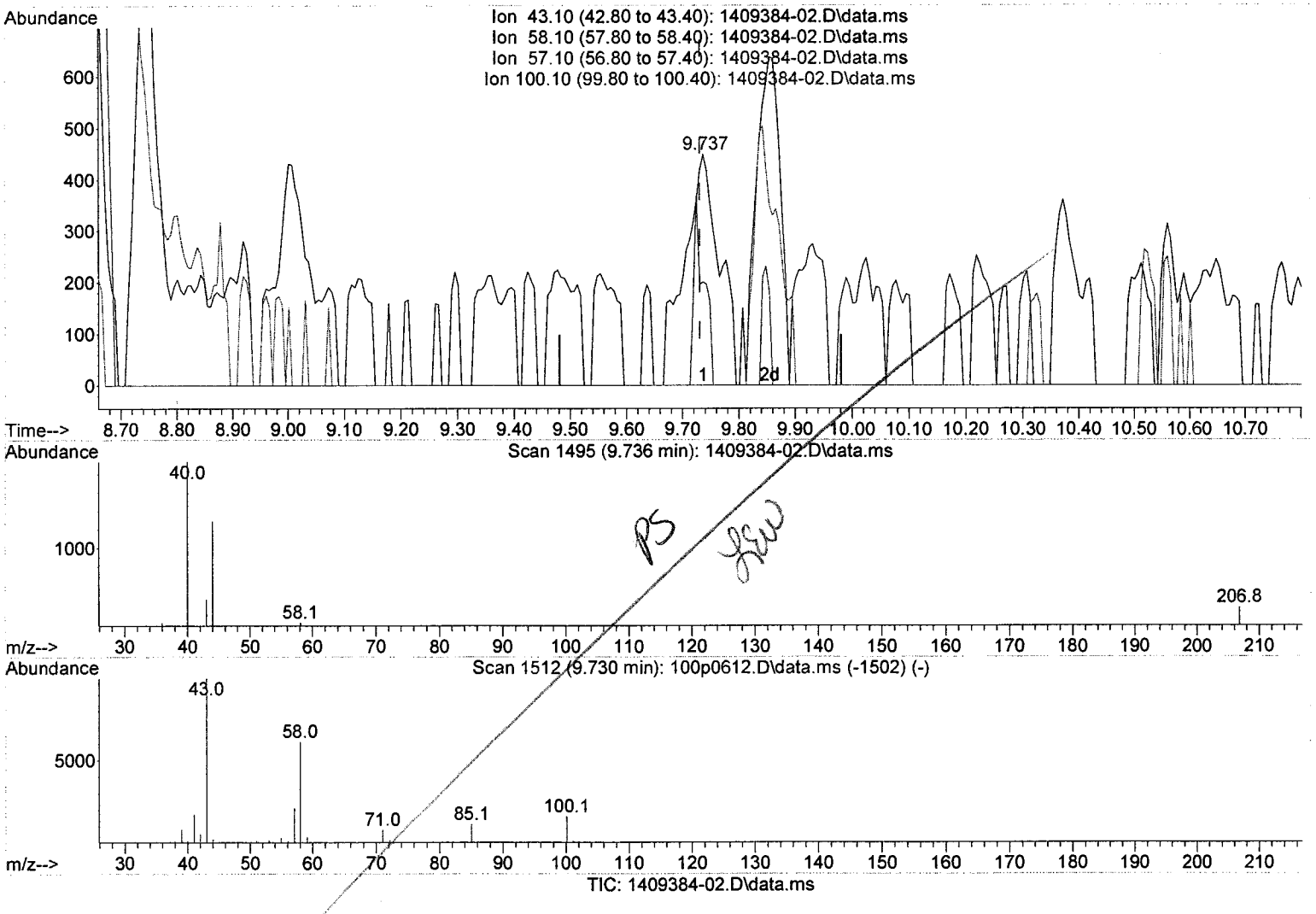
8.742min (+ 0.000) 12.14 ug/L

response 213239

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	57.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-02.D\data.ms

(53) 2-hexanone (MBK)

9.736min (+ 0.005) 0.69 ug/L

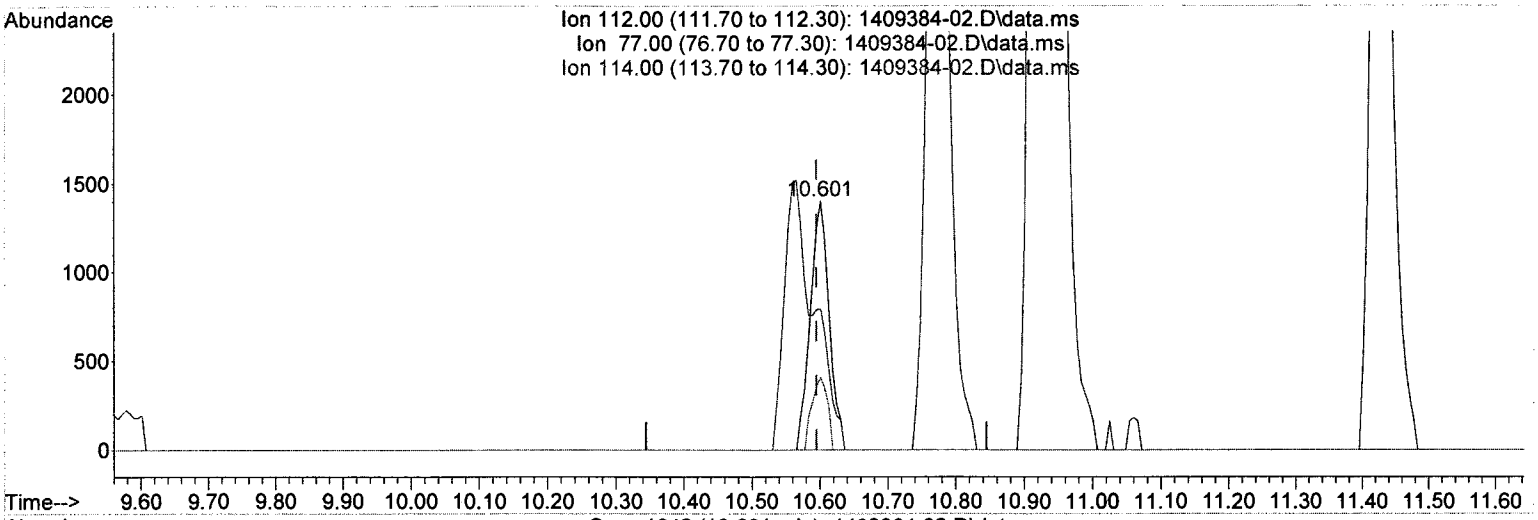
response 1942

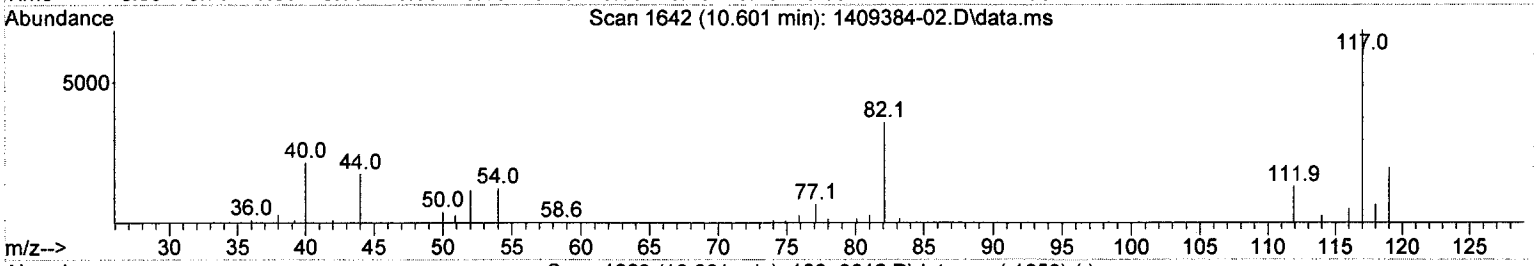
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	53.20	0.00#
57.10	18.90	0.00
100.10	10.50	0.00

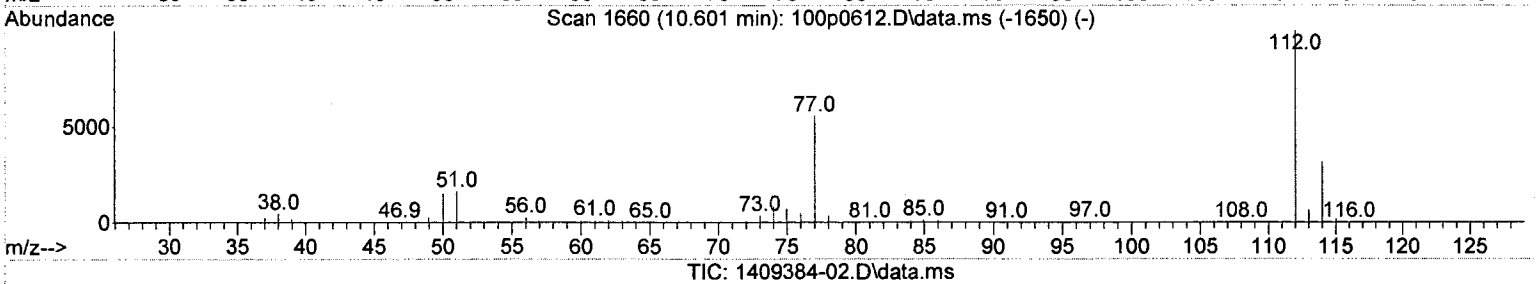
000320

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-02.D\data.ms

(56) chlorobenzene (P)

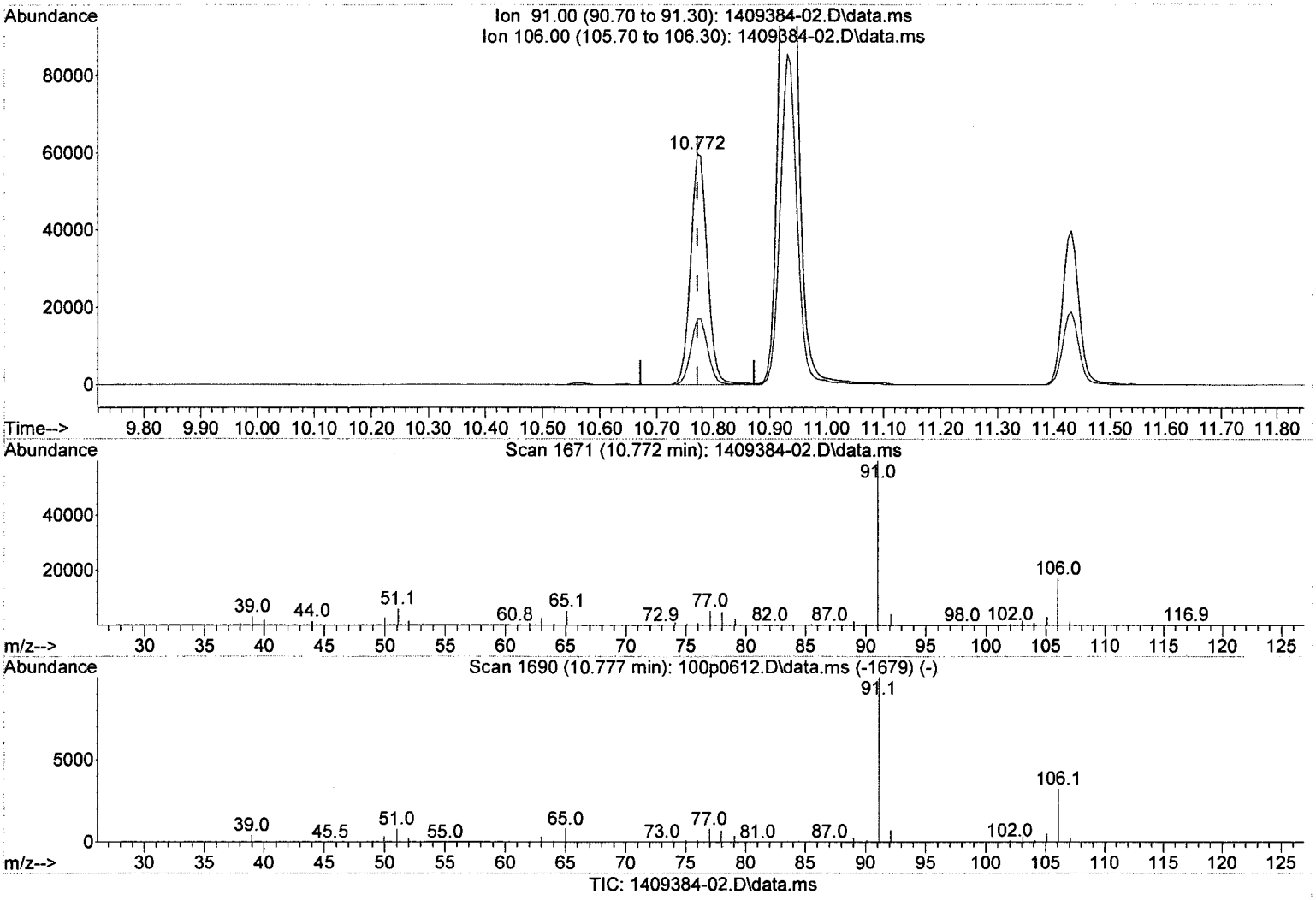
10.601min (+ 0.006) 0.23 ug/L

response 2682

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-02.D\data.ms

(59) ethylbenzene (C)

10.772min (-0.000) 6.22 ug/L

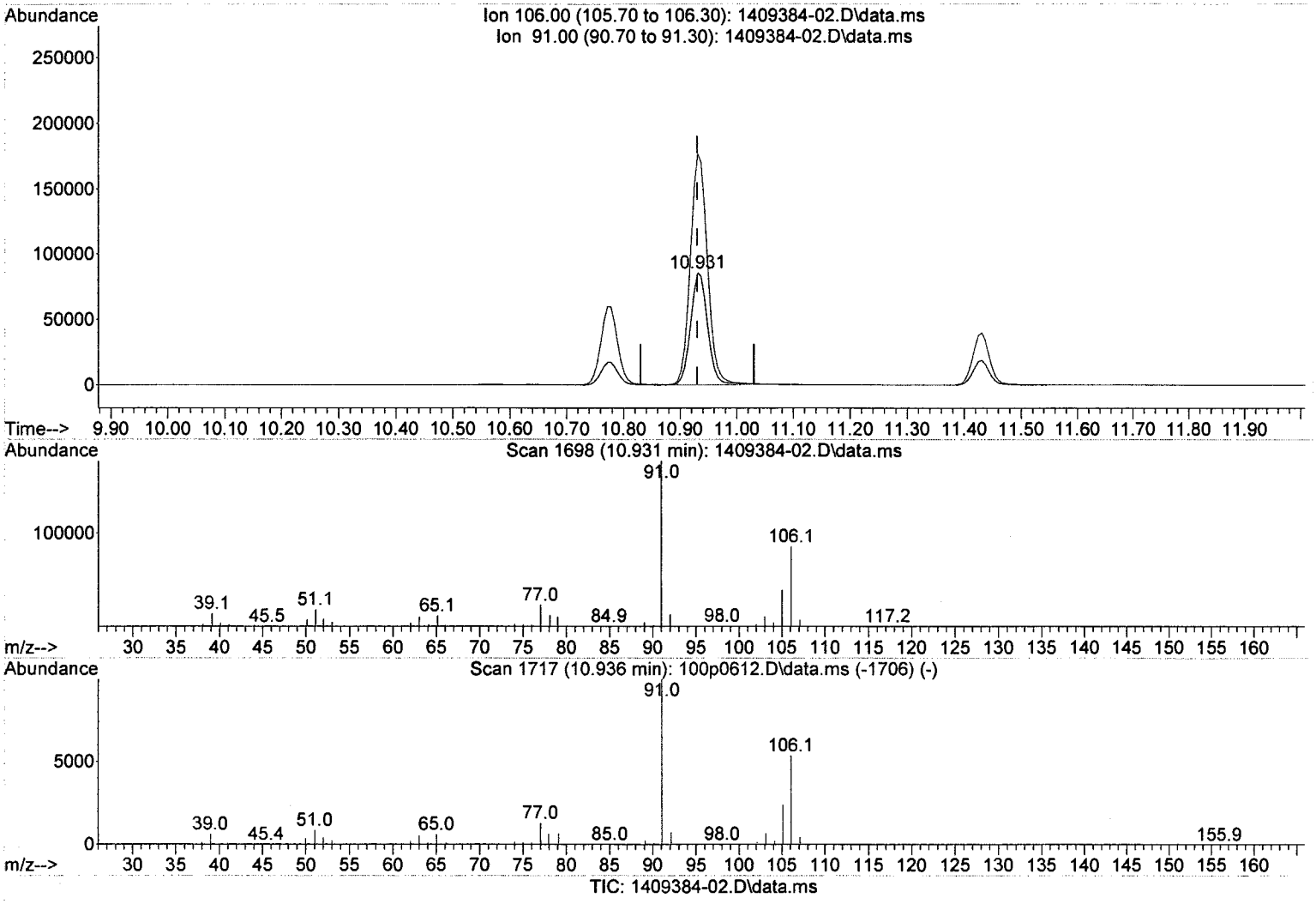
response 121440

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	28.92
0.00	0.00	0.00
0.00	0.00	0.00

090322

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-02.D\data.ms

(60) m+p-xylene

10.931min (+ 0.001) 24.31 ug/L

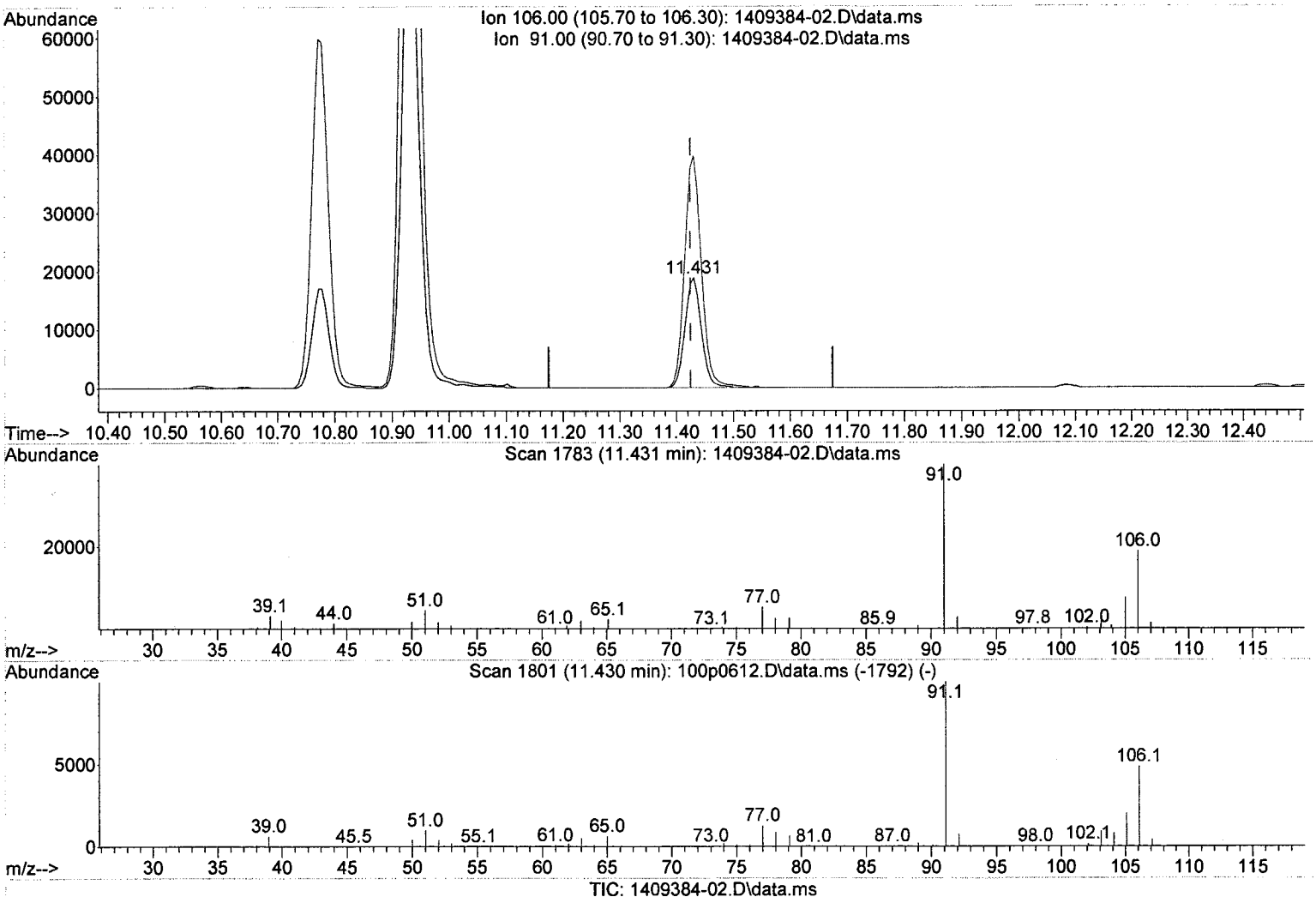
response 177709

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	208.47
0.00	0.00	0.00
0.00	0.00	0.00

000328

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-02.D\data.ms

(61) o-xylene

11.431min (+ 0.006) 5.36 ug/L

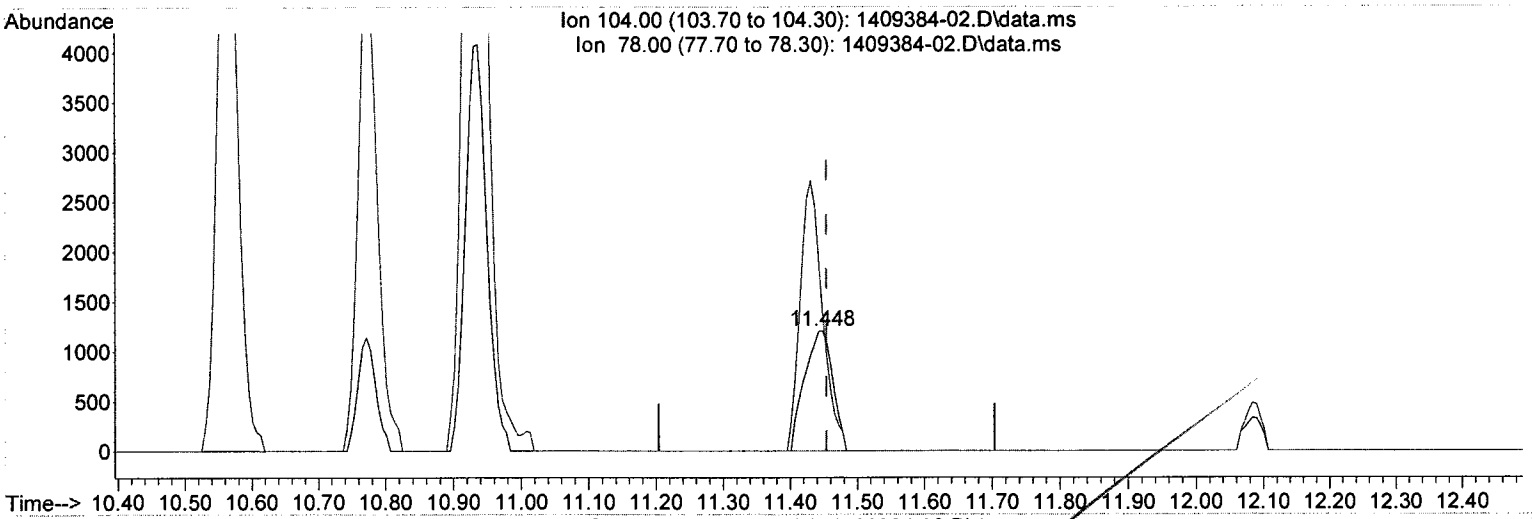
response 37262

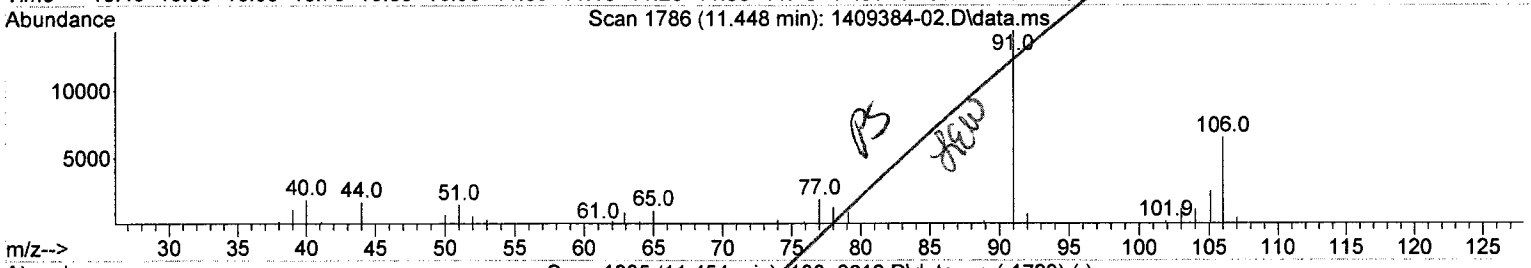
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	217.65
0.00	0.00	0.00
0.00	0.00	0.00

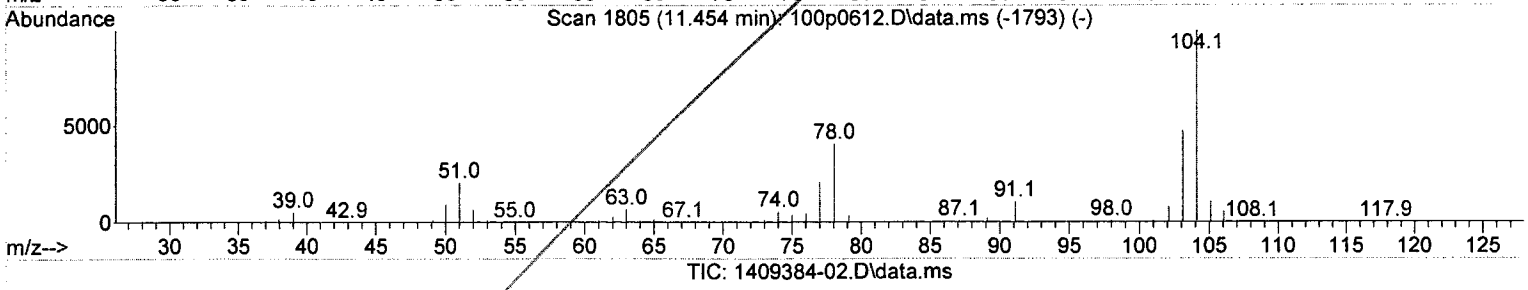
000324

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-02.D\data.ms

(62) styrene

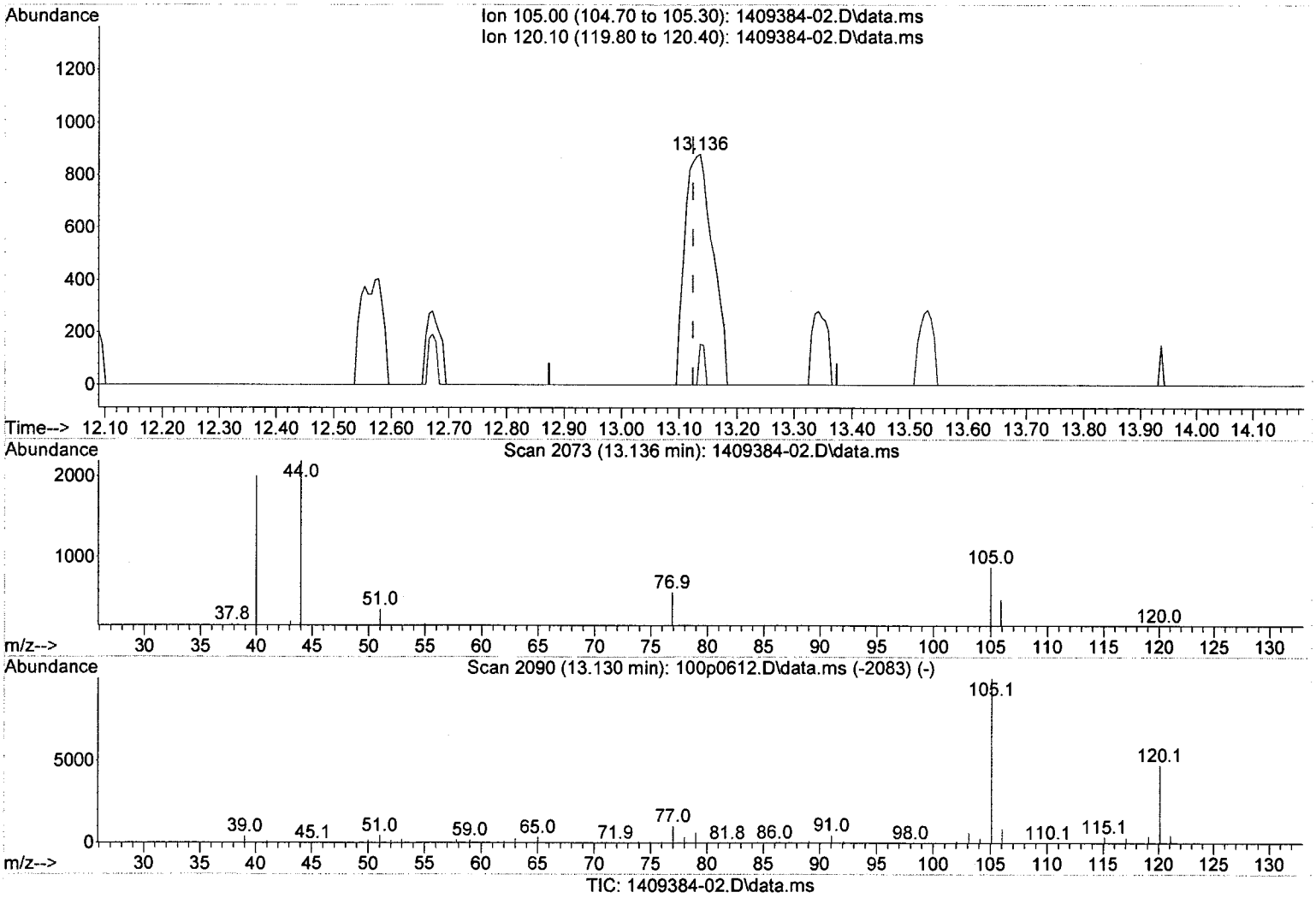
11.448min (-0.006) 0.29 ug/L

response 3482

Ion	Exp%	Act%
104.00	100.00	100.00
78.00	49.70	178.37#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-02.D
Acq On : 30 Sep 2014 17:46
Operator : DLV
Sample : 1409384-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 07:18:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-02.D\data.ms

(76) 1,2,4-trimethylbenzene

13.136min (+ 0.012) 0.18 ug/L

response 2928

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

000326

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB27-45

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-03 File ID: 1409384-03.D

Sampled: 09/22/14 11:20 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 18:09

Solids: 88.33 Preparation: 5035A Low Concentratio Initial/Final: 4.5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	6.3	5.3	6.3	6.3	U
71-43-2	Benzene	1	0.63	0.20	0.63	1.3	U
108-86-1	Bromobenzene	1	0.63	0.17	0.63	1.3	U
74-97-5	Bromochloromethane	1	0.63	0.18	0.63	1.3	U
75-27-4	Bromodichloromethane	1	0.63	0.22	0.63	1.3	U
75-25-2	Bromoform	1	0.63	0.45	0.63	1.3	U
74-83-9	Bromomethane	1	0.63	0.41	0.63	1.3	U
104-51-8	n-Butylbenzene	1	0.63	0.33	0.63	1.3	U
135-98-8	sec-Butylbenzene	1	0.63	0.27	0.63	1.3	U
98-06-6	tert-Butylbenzene	1	0.63	0.21	0.63	1.3	U
75-15-0	Carbon Disulfide	1	0.63	0.29	0.63	1.3	U
56-23-5	Carbon Tetrachloride	1	0.63	0.41	0.63	1.3	U
108-90-7	Chlorobenzene	1	0.23	0.19	0.63	1.3	J
75-00-3	Chloroethane	1	1.3	0.63	1.3	1.3	U
67-66-3	Chloroform	1	0.63	0.18	0.63	1.3	U
74-87-3	Chloromethane	1	0.63	0.32	0.63	1.3	U
95-49-8	2-Chlorotoluene	1	0.63	0.37	0.63	1.3	U
106-43-4	4-Chlorotoluene	1	0.25	0.25	0.25	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.3	0.74	1.3	6.3	U
124-48-1	Dibromochloromethane	1	0.63	0.23	0.63	1.3	U
106-93-4	1,2-Dibromoethane	1	0.63	0.19	0.63	1.3	U
74-95-3	Dibromomethane	1	0.63	0.28	0.63	1.3	U
95-50-1	1,2-Dichlorobenzene	1	0.25	0.12	0.25	1.3	U
541-73-1	1,3-Dichlorobenzene	1	0.25	0.14	0.25	1.3	U
106-46-7	1,4-Dichlorobenzene	1	0.25	0.13	0.25	1.3	U
75-71-8	Dichlorodifluoromethane	1	0.63	0.18	0.63	1.3	U
75-34-3	1,1-Dichloroethane	1	0.63	0.26	0.63	1.3	U
107-06-2	1,2-Dichloroethane	1	0.63	0.29	0.63	1.3	U
75-35-4	1,1-Dichloroethene	1	0.63	0.38	0.63	1.3	U
156-59-2	cis-1,2-Dichloroethene	1	0.63	0.29	0.63	1.3	U
156-60-5	trans-1,2-Dichloroethene	1	0.63	0.34	0.63	1.3	U
78-87-5	1,2-Dichloropropane	1	0.63	0.21	0.63	1.3	U
142-28-9	1,3-Dichloropropane	1	0.63	0.18	0.63	1.3	U
594-20-7	2,2-Dichloropropane	1	0.63	0.29	0.63	1.3	U
563-58-6	1,1-Dichloropropene	1	0.63	0.35	0.63	1.3	U
10061-01-5	cis-1,3-Dichloropropene	1	0.25	0.14	0.25	1.3	U
10061-02-6	trans-1,3-Dichloropropene	1	0.63	0.15	0.63	1.3	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB27-45

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-03 File ID: 1409384-03.D

Sampled: 09/22/14 11:20 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 18:09

Solids: 88.33 Preparation: 5035A Low Concentratio Initial/Final: 4.5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	5.0	0.23	0.63	1.3	
87-68-3	Hexachlorobutadiene	1	0.63	0.26	0.63	1.3	U
591-78-6	2-Hexanone	1	0.63	0.60	0.63	6.3	U
98-82-8	Isopropylbenzene	1	0.25	0.14	0.25	1.3	U
99-87-6	4-Isopropyltoluene	1	0.63	0.30	0.63	1.3	U
75-09-2	Methylene Chloride	1	1.3	0.59	1.3	6.3	U
78-93-3	2-Butanone (MEK)	1	1.5	1.4	6.3	6.3	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.63	0.49	0.63	6.3	U
91-20-3	Naphthalene	1	0.63	0.20	0.63	6.3	U
103-65-1	n-Propylbenzene	1	0.63	0.14	0.63	1.3	U
100-42-5	Styrene	1	0.25	0.25	0.25	1.3	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.63	0.19	0.63	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.63	0.18	0.63	1.3	U
127-18-4	Tetrachloroethene	1	0.63	0.22	0.63	1.3	U
108-88-3	Toluene	1	11	0.13	0.25	1.3	
87-61-6	1,2,3-Trichlorobenzene	1	0.63	0.36	0.63	1.3	U
120-82-1	1,2,4-Trichlorobenzene	1	0.63	0.21	0.63	1.3	U
71-55-6	1,1,1-Trichloroethane	1	0.63	0.18	0.63	1.3	U
79-00-5	1,1,2-Trichloroethane	1	0.63	0.27	0.63	1.3	U
79-01-6	Trichloroethene	1	0.63	0.30	0.63	1.3	U
75-69-4	Trichlorofluoromethane	1	0.63	0.22	0.63	1.3	U
96-18-4	1,2,3-Trichloropropane	1	0.63	0.29	0.63	1.3	U
95-63-6	1,2,4-Trimethylbenzene	1	0.20	0.14	0.63	1.3	J
108-67-8	1,3,5-Trimethylbenzene	1	0.63	0.24	0.63	1.3	U
75-01-4	Vinyl Chloride	1	0.63	0.25	0.63	1.3	U
179601-23-1	Xylene, Meta + Para	1	20	0.18	0.50	2.5	
95-47-6	Xylene, Ortho	1	4.3	0.14	0.25	1.3	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.1	103	78 - 119	
1,2-Dichloroethane-d4	40.0	42.6	106	71 - 136	
Toluene-d8	40.0	39.3	98	85 - 116	
4-Bromofluorobenzene	40.0	40.6	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	482550	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB27-45

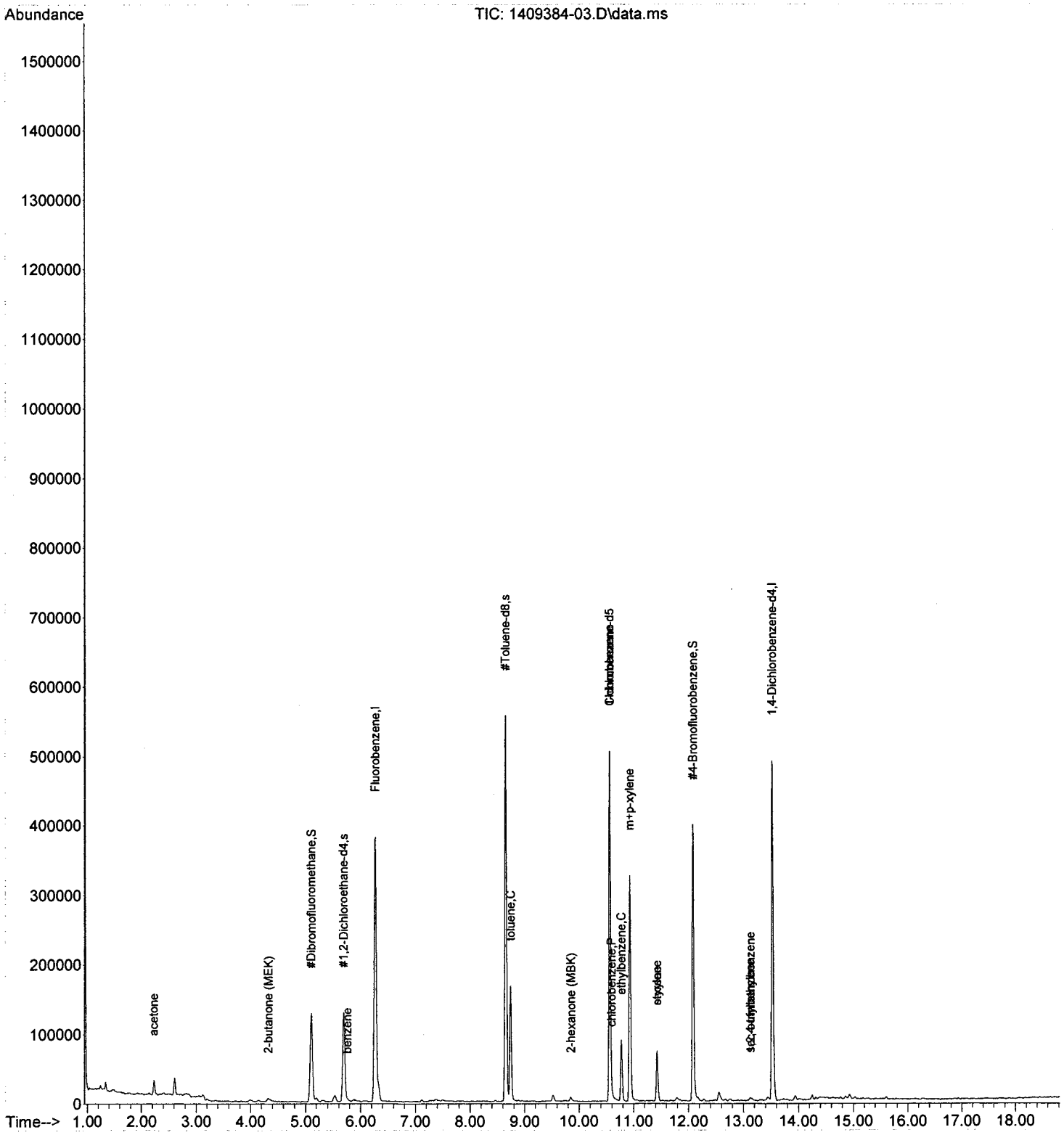
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409384-03
File ID: 1409384-03.D
Sampled: 09/22/14 11:20
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 18:09
Solids: 88.33
Preparation: 5035A Low Concentratio
Initial/Final: 4.5 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	340748	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	171895	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-03.D
Acq On : 30 Sep 2014 18:09
Operator : DLV
Sample : 1409384-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 07:18:15 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-03.D
Acq On : 30 Sep 2014 18:09
Operator : DLV
Sample : 1409384-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 07:18:15 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	482550	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	340748	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	171895	40.00	ug/L #	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	124854	41.14	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.85%		
37) #1,2-Dichloroethane-d4	5.690	67	73671	42.56	ug/L	0.00
Spiked Amount 40.000			Recovery =	106.40%		
46) #Toluene-d8	8.654	98	460310	39.29	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.22%		
64) #4-Bromofluorobenzene	12.083	95	173236	40.55	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.38%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.225	43	27578	3.62	ug/L	93
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	14807	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	9080	√ 1.22	ug/L	91
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	5.760	78	1586	0.09	ug/L #	65
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

000331

Quantitation Report (Not Reviewed)

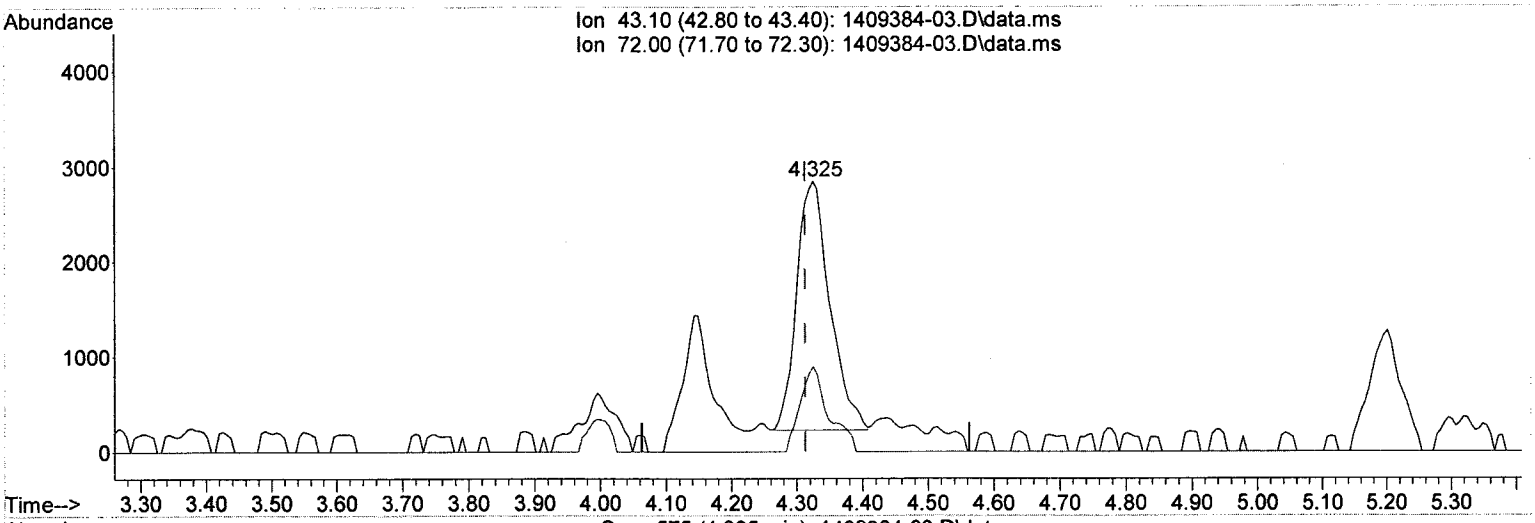
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-03.D
Acq On : 30 Sep 2014 18:09
Operator : DLV
Sample : 1409384-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 07:18:15 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

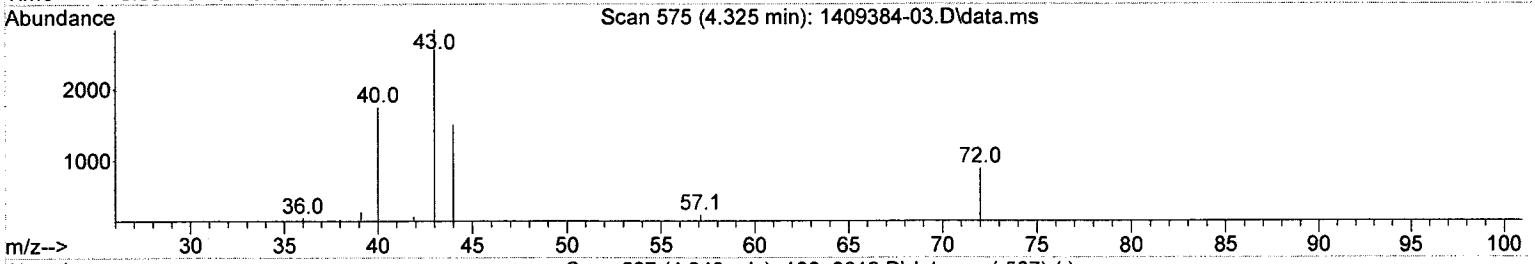
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	0.000		0	N.D.			
40) 1,2-dichloropropane	0.000		0	N.D.			
41) dibromomethane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	0.000		0	N.D.			
45) 4-methyl-2-pentanone (...	0.000		0	N.D.			
47) toluene	8.742	91	148684	8.38	ug/L		98
48) trans-1,3-dichloropropene	0.000		0	N.D.			
49) 1,1,2-trichloroethane	0.000		0	N.D.			
51) tetrachloroethene	0.000		0	N.D.			
52) 1,3-dichloropropane	0.000		0	N.D.			
53) 2-hexanone (MBK)	9.854	43	1689	0.59	ug/L	#	39
54) dibromochloromethane	0.000		0	N.D.			
55) 1,2-dibromoethane	0.000		0	N.D.			
56) chlorobenzene	10.595	112	2067	0.18	ug/L	#	27
57) 1-chlorohexane	10.566	55	3041	0.68	ug/L	#	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59) ethylbenzene	10.772	91	78878	3.98	ug/L		97
60) m+p-xylene	10.930	106	116318	15.69	ug/L		99
61) o-xylene	11.430	106	24321	3.45	ug/L		95
62) styrene	11.430	104	2177	0.18	ug/L	#	1
63) bromoform	0.000		0	N.D.			
66) isopropylbenzene	0.000		0	N.D.			
67) bromobenzene	0.000		0	N.D.			
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69) 1,2,3-trichloropropane	0.000		0	N.D.			
70) 1,4-dichloro-2-butene	0.000		0	N.D.			
71) n-propylbenzene	0.000		0	N.D.			
72) 2-chlorotoluene	0.000		0	N.D.			
73) 1,3,5-trimethylbenzene	0.000		0	N.D.			
74) 4-chlorotoluene	0.000		0	N.D.			
75) tert-butylbenzene	0.000		0	N.D.			
76) 1,2,4-trimethylbenzene	13.130	105	2589	0.16	ug/L	#	32
77) sec-butylbenzene	13.130	105	2510	0.12	ug/L	#	57
78) 1,3-dichlorobenzene	0.000		0	N.D.			
79) 4-isopropyltoluene	0.000		0	N.D.			
80) 1,4-dichlorobenzene	0.000		0	N.D.			
81) 1,2-dichlorobenzene	0.000		0	N.D.			
82) n-butylbenzene	0.000		0	N.D.			
83) hexachloroethane	0.000		0	N.D.			
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85) 1,2,4-trichlorobenzene	0.000		0	N.D.			
86) hexachlorobutadiene	0.000		0	N.D.			
87) naphthalene	0.000		0	N.D.			
88) 1,2,3-trichlorobenzene	0.000		0	N.D.			
89) 2-methylnaphthalene	0.000		0	N.D.			

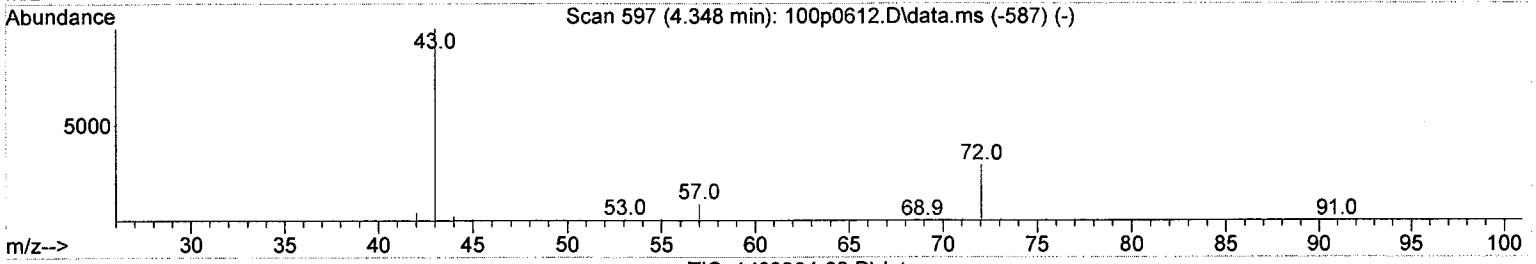
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-03.D
Acq On : 30 Sep 2014 18:09
Operator : DLV
Sample : 1409384-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 07:18:15 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-03.D\data.ms

(25) 2-butanone (MEK)

4.325min (+ 0.012) 1.22 ug/L

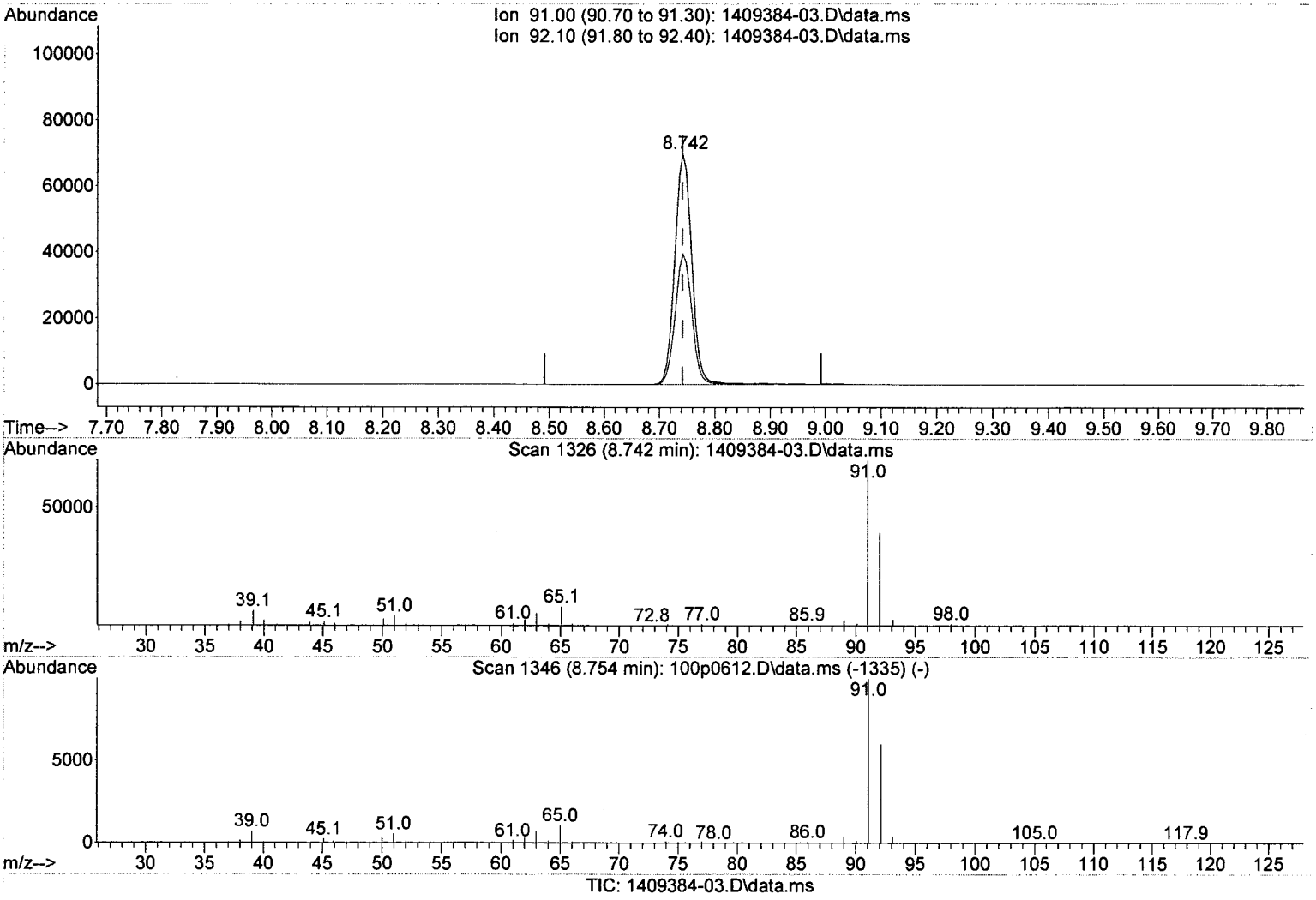
response 9080

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	29.34
0.00	0.00	0.00
0.00	0.00	0.00

000333

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-03.D
Acq On : 30 Sep 2014 18:09
Operator : DLV
Sample : 1409384-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 07:18:15 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-03.D\data.ms

(47) toluene (C)

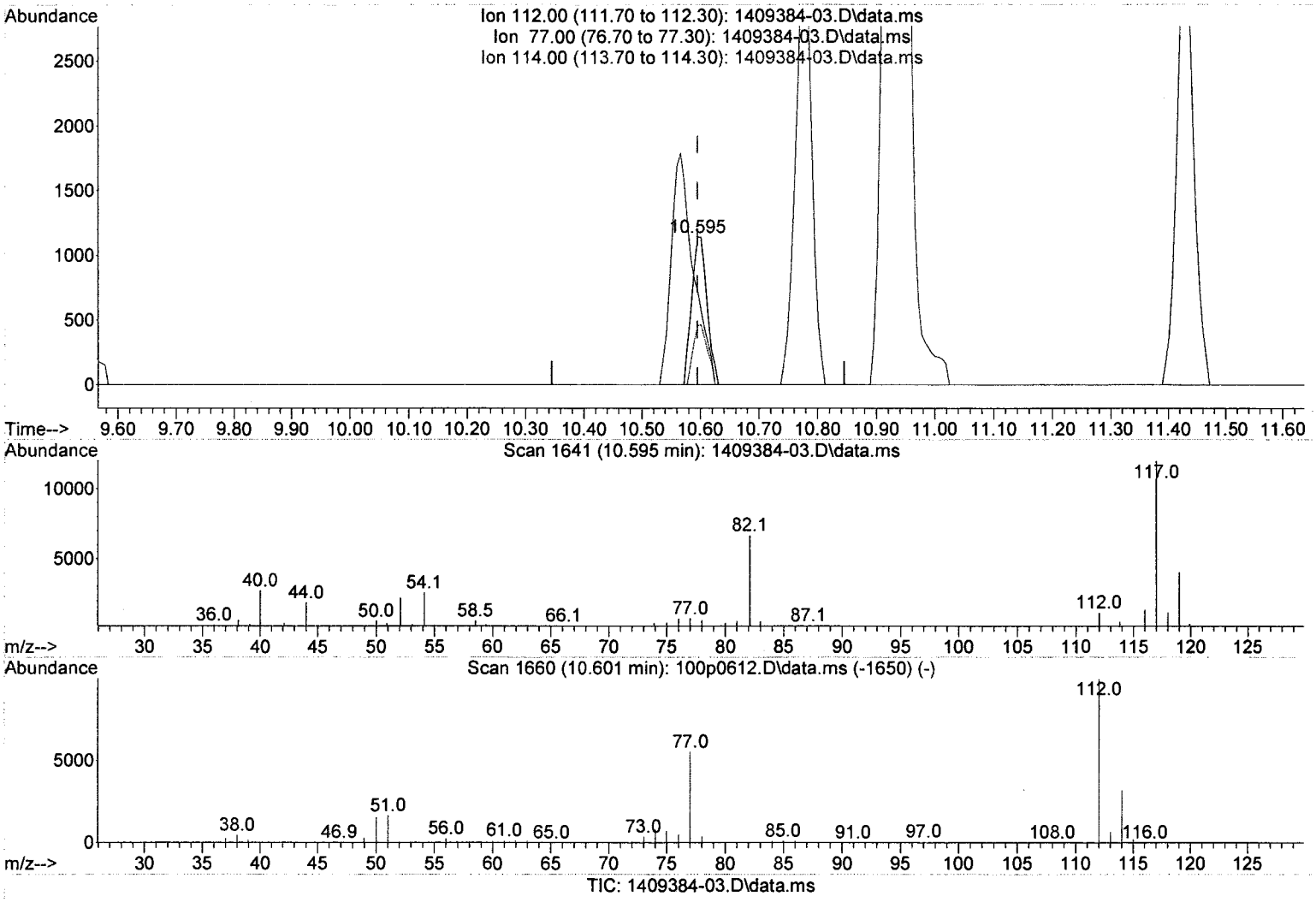
8.742min (+ 0.000) 8.38 ug/L

response 148684

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	55.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-03.D
Acq On : 30 Sep 2014 18:09
Operator : DLV
Sample : 1409384-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 07:18:15 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-03.D\data.ms

(56) chlorobenzene (P)

10.595min (+ 0.000) 0.18 ug/L

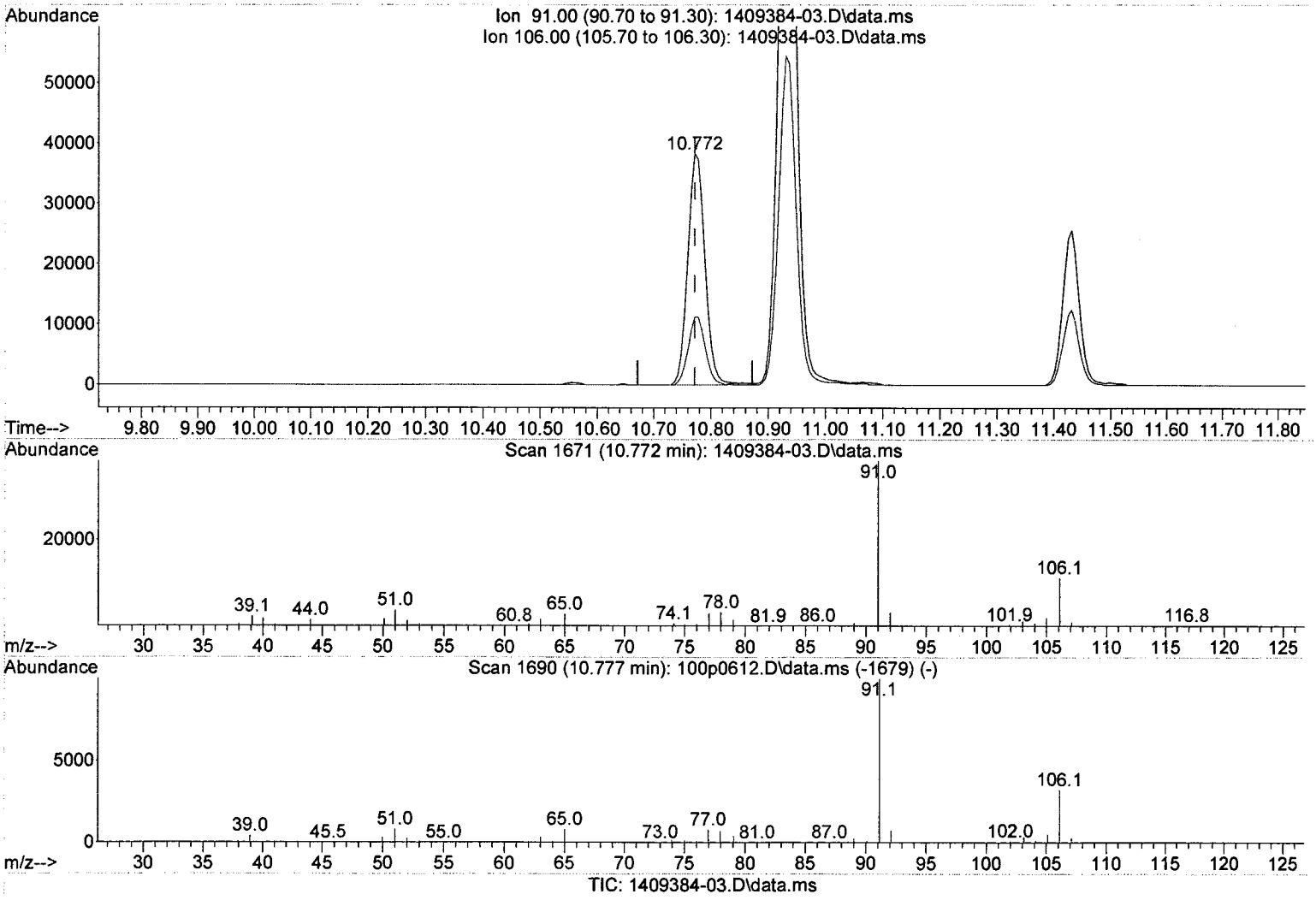
response 2067

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

000335

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-03.D
Acq On : 30 Sep 2014 18:09
Operator : DLV
Sample : 1409384-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 07:18:15 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-03.D\data.ms

(59) ethylbenzene (C)

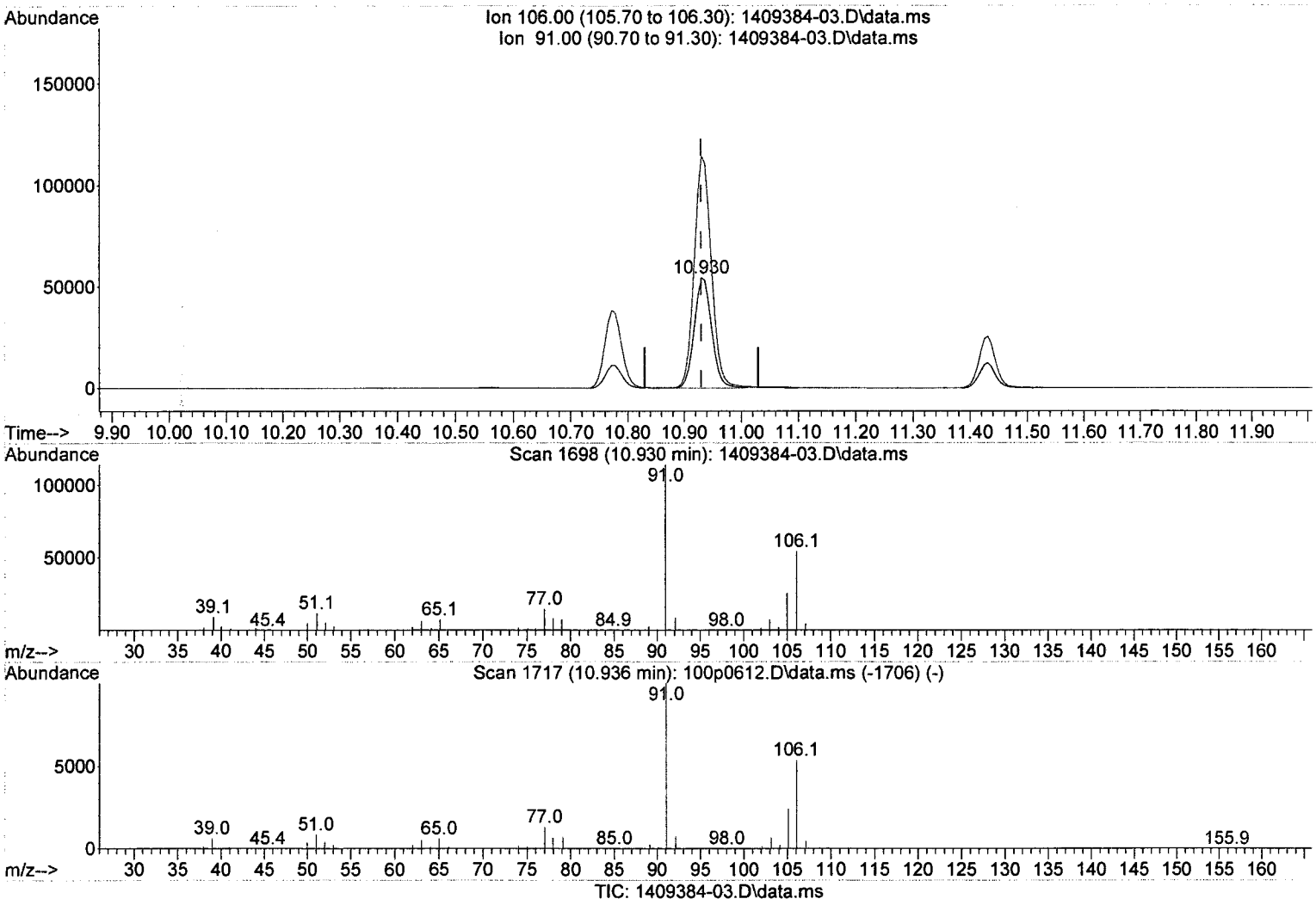
10.772min (-0.000) 3.98 ug/L

response 78878

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	29.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-03.D
Acq On : 30 Sep 2014 18:09
Operator : DLV
Sample : 1409384-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 07:18:15 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-03.D\data.ms

(60) m+p-xylene

10.930min (+ 0.000) 15.69 ug/L

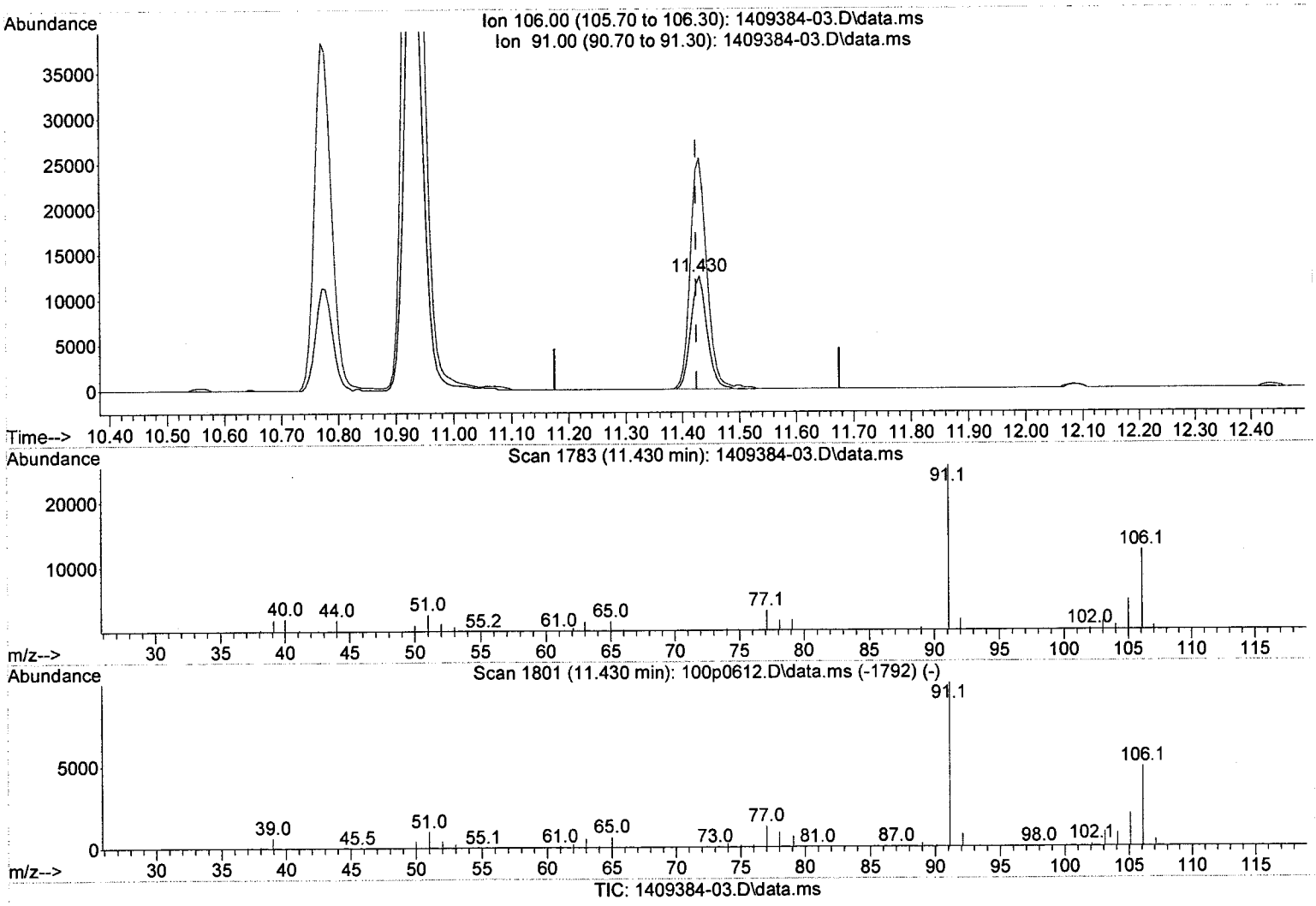
response 116318

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	205.84
0.00	0.00	0.00
0.00	0.00	0.00

000337

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-03.D
Acq On : 30 Sep 2014 18:09
Operator : DLV
Sample : 1409384-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 07:18:15 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-03.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 3.45 ug/L

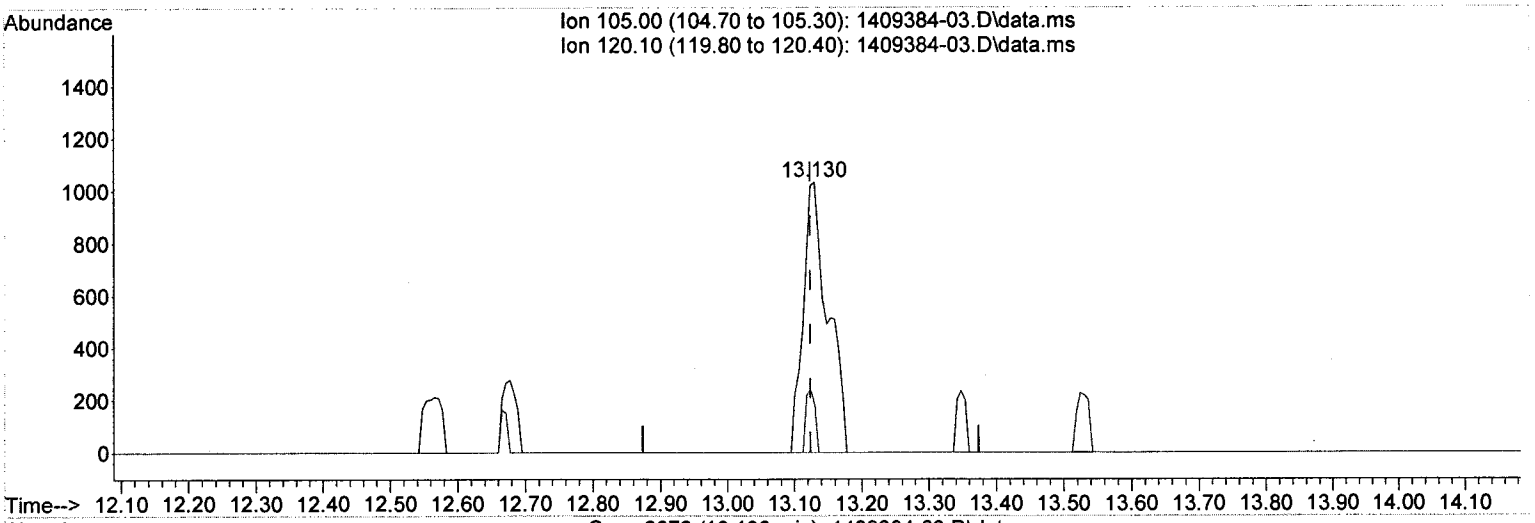
response 24321

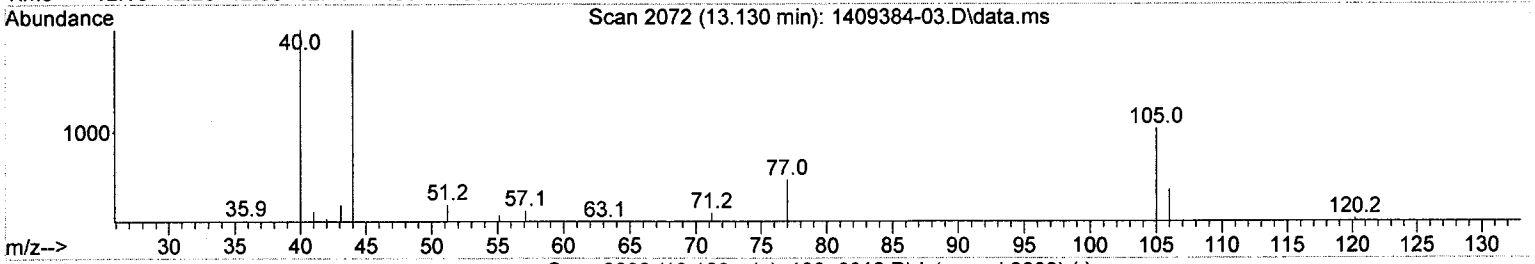
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	212.08
0.00	0.00	0.00
0.00	0.00	0.00

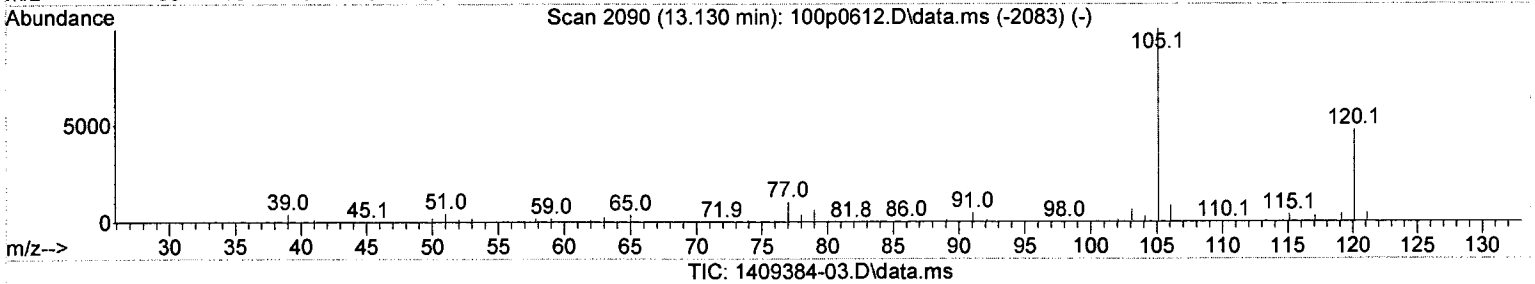
000338

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-03.D
Acq On : 30 Sep 2014 18:09
Operator : DLV
Sample : 1409384-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 07:18:15 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-03.D\data.ms

(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.16 ug/L

response 2589

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

000339

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15GW27-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409384-04 File ID: 1409384-04.D

Sampled: 09/22/14 11:25 Prepared: 10/02/14 15:00 Analyzed: 10/02/14 22:03

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	3.7	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15GW27-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409384-04 File ID: 1409384-04.D

Sampled: 09/22/14 11:25 Prepared: 10/02/14 15:00 Analyzed: 10/02/14 22:03

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.34	0.20	0.20	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.22	0.22	0.40	2.0	J
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.7	102	80 - 119	
1,2-Dichloroethane-d4	40.0	40.2	100	81 - 118	
Toluene-d8	40.0	38.6	96	89 - 112	
4-Bromofluorobenzene	40.0	37.0	93	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15GW27-01

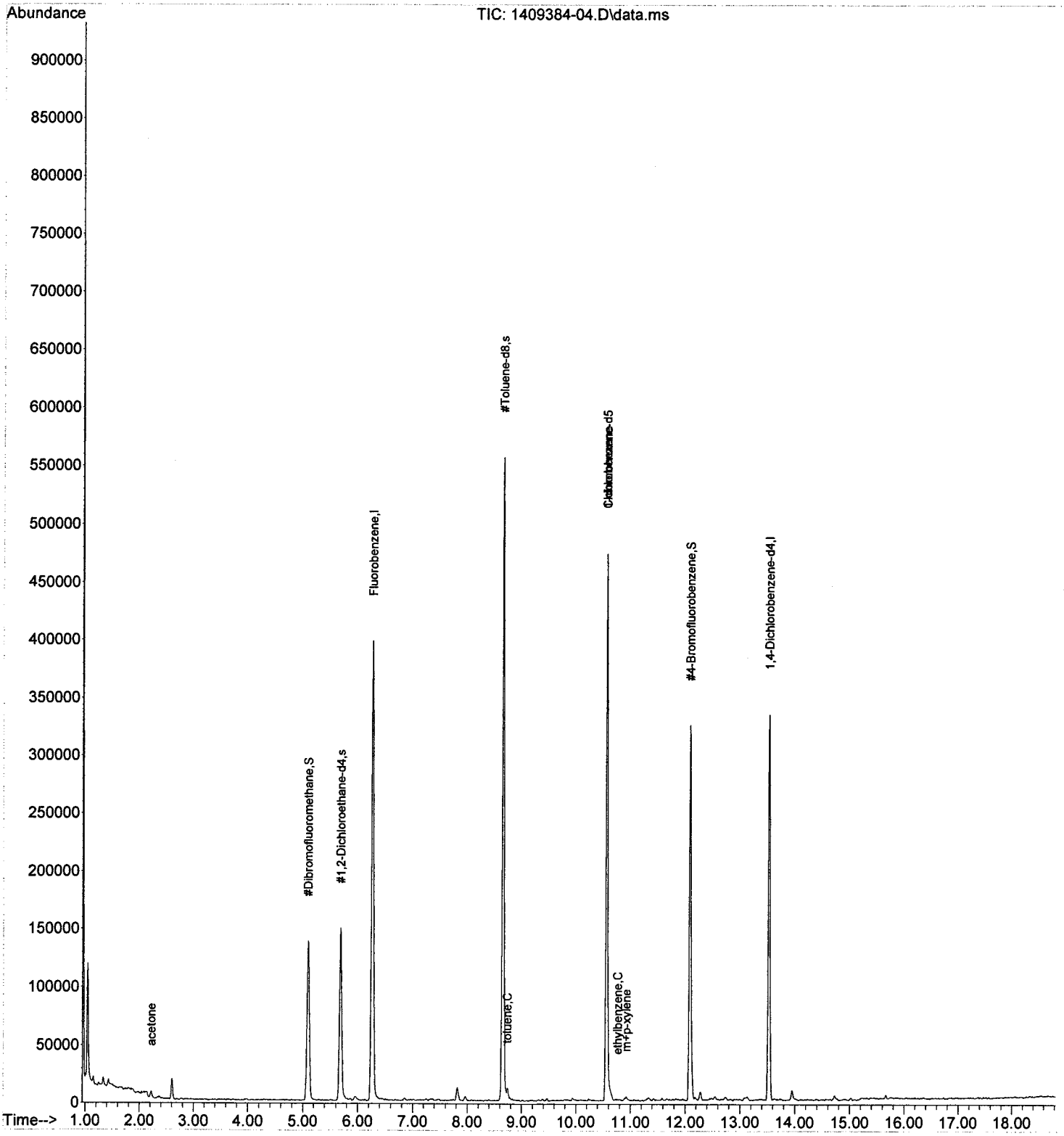
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409384-04
File ID: 1409384-04.D
Sampled: 09/22/14 11:25
Prepared: 10/02/14 15:00
Analyzed: 10/02/14 22:03
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	501428	6.266	523953	6.266	
Chlorobenzene-d5	335093	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	114955	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-04.D
Acq On : 02 Oct 2014 22:03
Operator : DLV
Sample : 1409384-04
Misc : AECOM
ALS Vial : 33 Sample Multiplier: 1
Quant Time: Oct 04 11:42:39 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



000343

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-04.D
Acq On : 02 Oct 2014 22:03
Operator : DLV
Sample : 1409384-04
Misc : AECOM
ALS Vial : 33 Sample Multiplier: 1
Quant Time: Oct 04 11:42:39 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	501428	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	335093	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	114955	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.095	111	135210	40.74	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.85%		
37) #1,2-Dichloroethane-d4	5.684	67	82830	40.20	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.50%		
46) #Toluene-d8	8.654	98	471717	38.60	ug/L	0.00
Spiked Amount 40.000			Recovery =	96.50%		
64) #4-Bromofluorobenzene	12.083	95	154550	37.01	ug/L	0.00
Spiked Amount 40.000			Recovery =	92.52%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	8011	3.73	ug/L	96
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.601	49	11010	Below Cal		91
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	17890	No Calib	#	
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

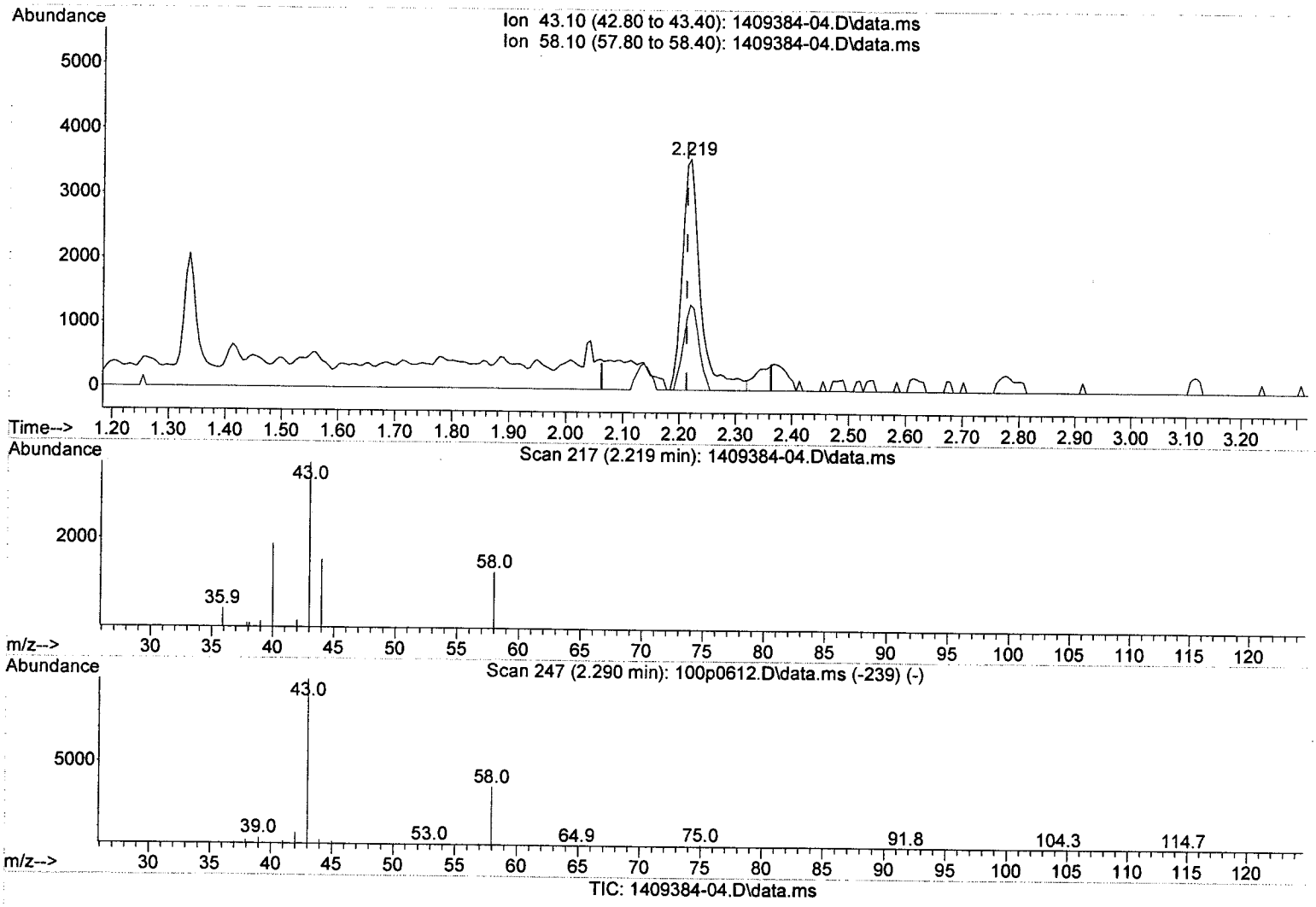
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-04.D
Acq On : 02 Oct 2014 22:03
Operator : DLV
Sample : 1409384-04
Misc : AECOM
ALS Vial : 33 Sample Multiplier: 1
Quant Time: Oct 04 11:42:39 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	8.736	91	5689	0.34	ug/L	98
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.560	55	2372	0.70	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	10.766	91	1212	0.07	ug/L #	43
60) m+p-xylene	10.925	106	1358	0.22	ug/L #	83
61) o-xylene	0.000		0	N.D.		
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	0.000		0	N.D.		
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-04.D
Acq On : 02 Oct 2014 22:03
Operator : DLV
Sample : 1409384-04
Misc : AECOM
ALS Vial : 33 Sample Multiplier: 1
Quant Time: Oct 03 06:47:22 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409384-04.D\data.ms

(13) acetone

2.219min (+ 0.006) 3.73 ug/L

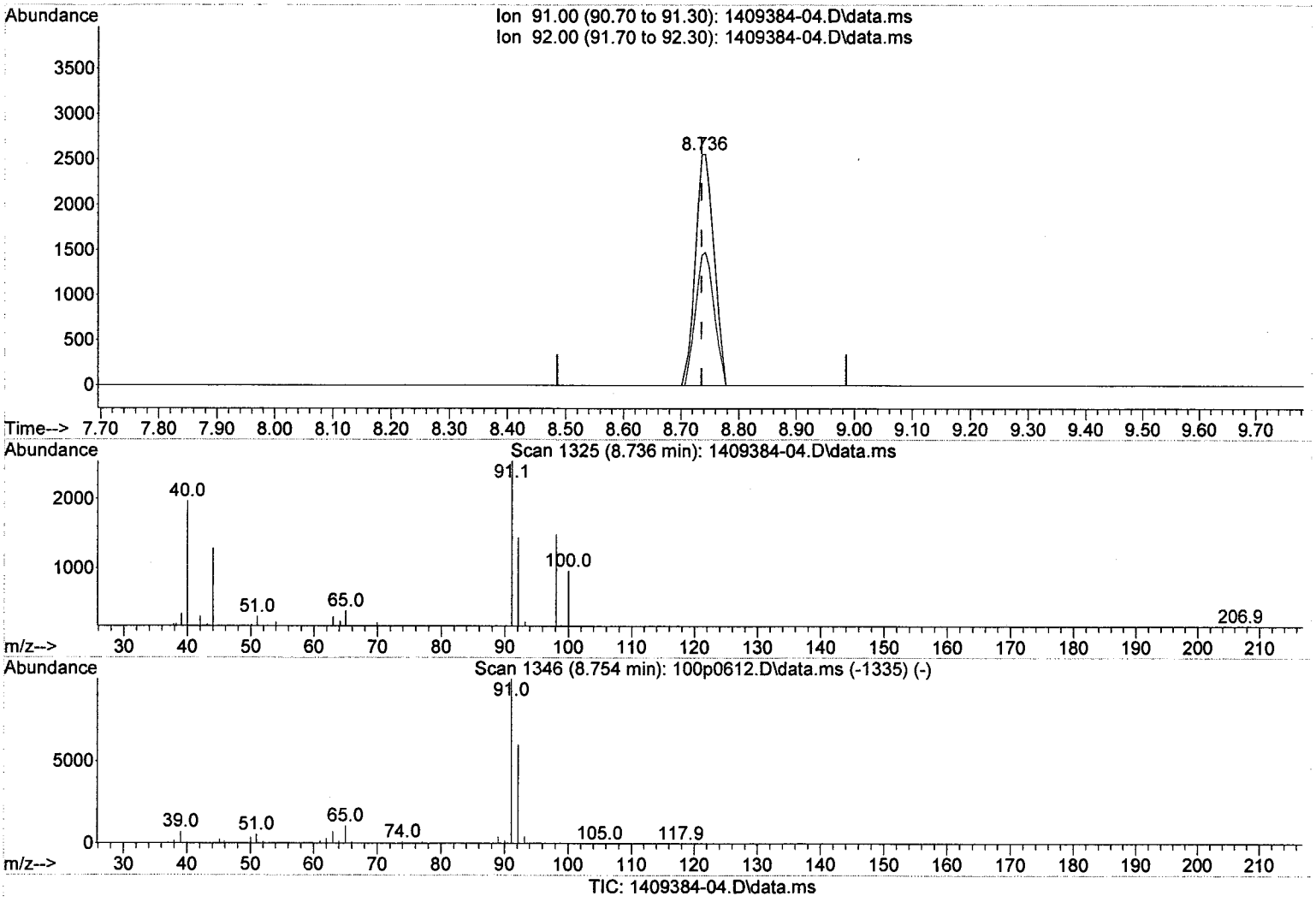
response 8011

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	31.46
0.00	0.00	0.00
0.00	0.00	0.00

000346

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-04.D
Acq On : 02 Oct 2014 22:03
Operator : DLV
Sample : 1409384-04
Misc : AECOM
ALS Vial : 33 Sample Multiplier: 1
Quant Time: Oct 03 06:47:22 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409384-04.D\data.ms

(47) toluene (C)

8.736min (+ 0.000) 0.34 ug/L

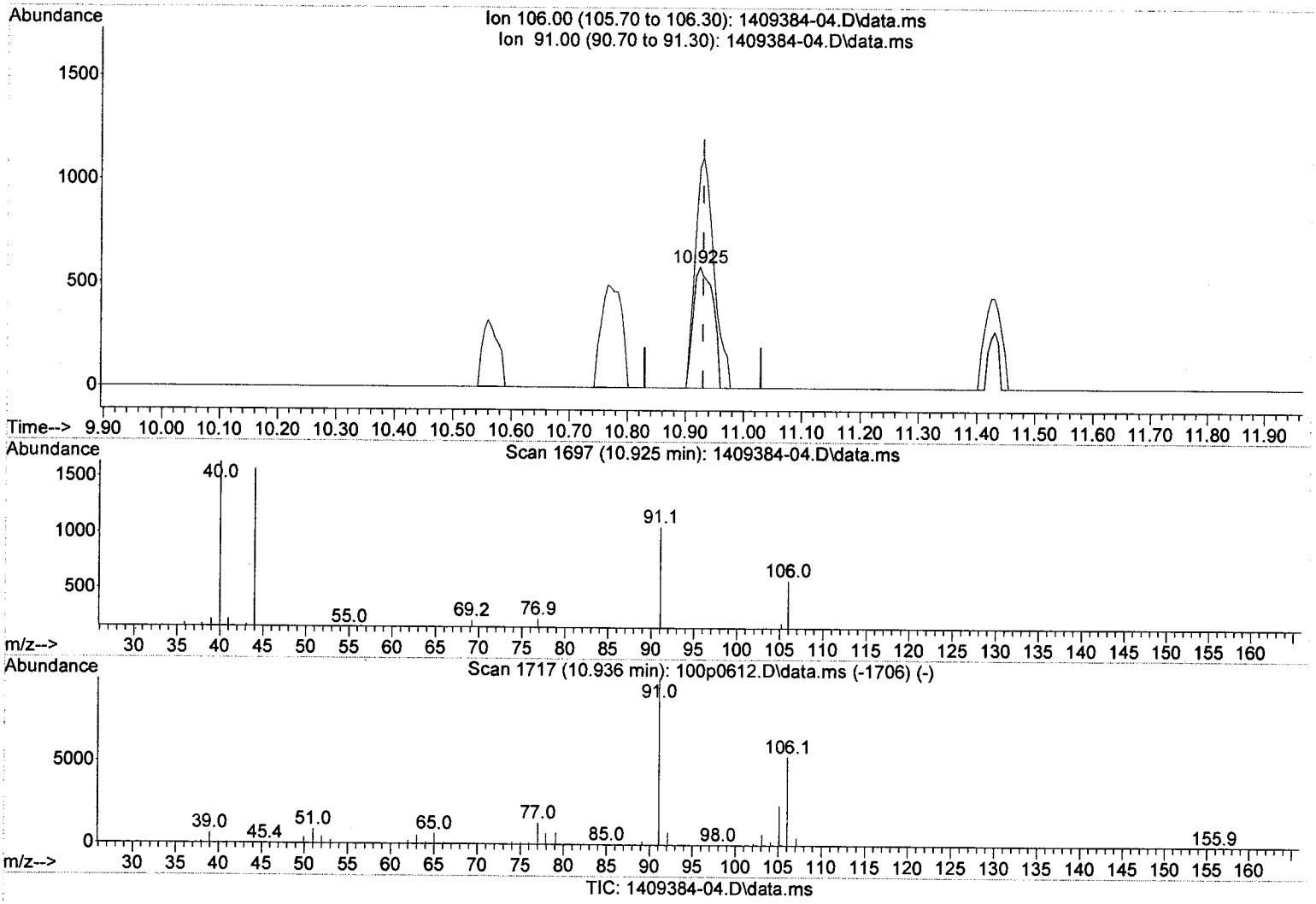
response 5689

Ion	Exp%	Act%
91.00	100.00	100.00
92.00	56.10	57.53
0.00	0.00	0.00
0.00	0.00	0.00

000347

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-04.D
Acq On : 02 Oct 2014 22:03
Operator : DLV
Sample : 1409384-04
Misc : AECOM
ALS Vial : 33 Sample Multiplier: 1
Quant Time: Oct 03 06:47:22 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



(60) m+p-xylene

10.925min (-0.005) 0.22 ug/L

response 1358

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.70	181.74#
0.00	0.00	0.00
0.00	0.00	0.00

000348

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB28-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-05 File ID: 1409384-05.D

Sampled: 09/22/14 13:15 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 18:33

Solids: 97.56 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.5	4.6	5.5	5.5	U
71-43-2	Benzene	1	0.17	0.17	0.55	1.1	J
108-86-1	Bromobenzene	1	0.55	0.15	0.55	1.1	U
74-97-5	Bromochloromethane	1	0.55	0.16	0.55	1.1	U
75-27-4	Bromodichloromethane	1	0.55	0.19	0.55	1.1	U
75-25-2	Bromoform	1	0.55	0.39	0.55	1.1	U
74-83-9	Bromomethane	1	0.55	0.36	0.55	1.1	U
104-51-8	n-Butylbenzene	1	0.55	0.28	0.55	1.1	U
135-98-8	sec-Butylbenzene	1	0.55	0.23	0.55	1.1	U
98-06-6	tert-Butylbenzene	1	0.55	0.18	0.55	1.1	U
75-15-0	Carbon Disulfide	1	0.55	0.25	0.55	1.1	U
56-23-5	Carbon Tetrachloride	1	0.55	0.36	0.55	1.1	U
108-90-7	Chlorobenzene	1	0.22	0.16	0.55	1.1	J
75-00-3	Chloroethane	1	1.1	0.55	1.1	1.1	U
67-66-3	Chloroform	1	0.55	0.15	0.55	1.1	U
74-87-3	Chloromethane	1	0.55	0.28	0.55	1.1	U
95-49-8	2-Chlorotoluene	1	0.55	0.32	0.55	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.64	1.1	5.5	U
124-48-1	Dibromochloromethane	1	0.55	0.20	0.55	1.1	U
106-93-4	1,2-Dibromoethane	1	0.55	0.17	0.55	1.1	U
74-95-3	Dibromomethane	1	0.55	0.25	0.55	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.55	0.16	0.55	1.1	U
75-34-3	1,1-Dichloroethane	1	0.55	0.23	0.55	1.1	U
107-06-2	1,2-Dichloroethane	1	0.55	0.25	0.55	1.1	U
75-35-4	1,1-Dichloroethene	1	0.55	0.33	0.55	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.55	0.25	0.55	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.55	0.30	0.55	1.1	U
78-87-5	1,2-Dichloropropane	1	0.55	0.19	0.55	1.1	U
142-28-9	1,3-Dichloropropane	1	0.55	0.15	0.55	1.1	U
594-20-7	2,2-Dichloropropane	1	0.55	0.25	0.55	1.1	U
563-58-6	1,1-Dichloropropene	1	0.55	0.30	0.55	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.12	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.55	0.13	0.55	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB28-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-05 File ID: 1409384-05.D

Sampled: 09/22/14 13:15 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 18:33

Solids: 97.56 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	6.6	0.20	0.55	1.1	
87-68-3	Hexachlorobutadiene	1	0.55	0.23	0.55	1.1	U
591-78-6	2-Hexanone	1	0.55	0.52	0.55	5.5	U
98-82-8	Isopropylbenzene	1	0.22	0.12	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.55	0.26	0.55	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.51	1.1	5.5	U
78-93-3	2-Butanone (MEK)	1	2.0	1.2	5.5	5.5	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.55	0.42	0.55	5.5	U
91-20-3	Naphthalene	1	0.55	0.18	0.55	5.5	U
103-65-1	n-Propylbenzene	1	0.55	0.13	0.55	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
127-18-4	Tetrachloroethene	1	0.55	0.19	0.55	1.1	U
108-88-3	Toluene	1	14	0.11	0.22	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.55	0.31	0.55	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.55	0.19	0.55	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.55	0.16	0.55	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.55	0.23	0.55	1.1	U
79-01-6	Trichloroethene	1	0.55	0.26	0.55	1.1	U
75-69-4	Trichlorofluoromethane	1	0.55	0.19	0.55	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.55	0.25	0.55	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.19	0.12	0.55	1.1	J
108-67-8	1,3,5-Trimethylbenzene	1	0.55	0.21	0.55	1.1	U
75-01-4	Vinyl Chloride	1	0.55	0.22	0.55	1.1	U
179601-23-1	Xylene, Meta + Para	1	26	0.16	0.44	2.2	
95-47-6	Xylene, Ortho	1	5.8	0.12	0.22	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.8	104	78 - 119	
1,2-Dichloroethane-d4	40.0	43.2	108	71 - 136	
Toluene-d8	40.0	39.5	99	85 - 116	
4-Bromofluorobenzene	40.0	40.1	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	501599	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB28-15

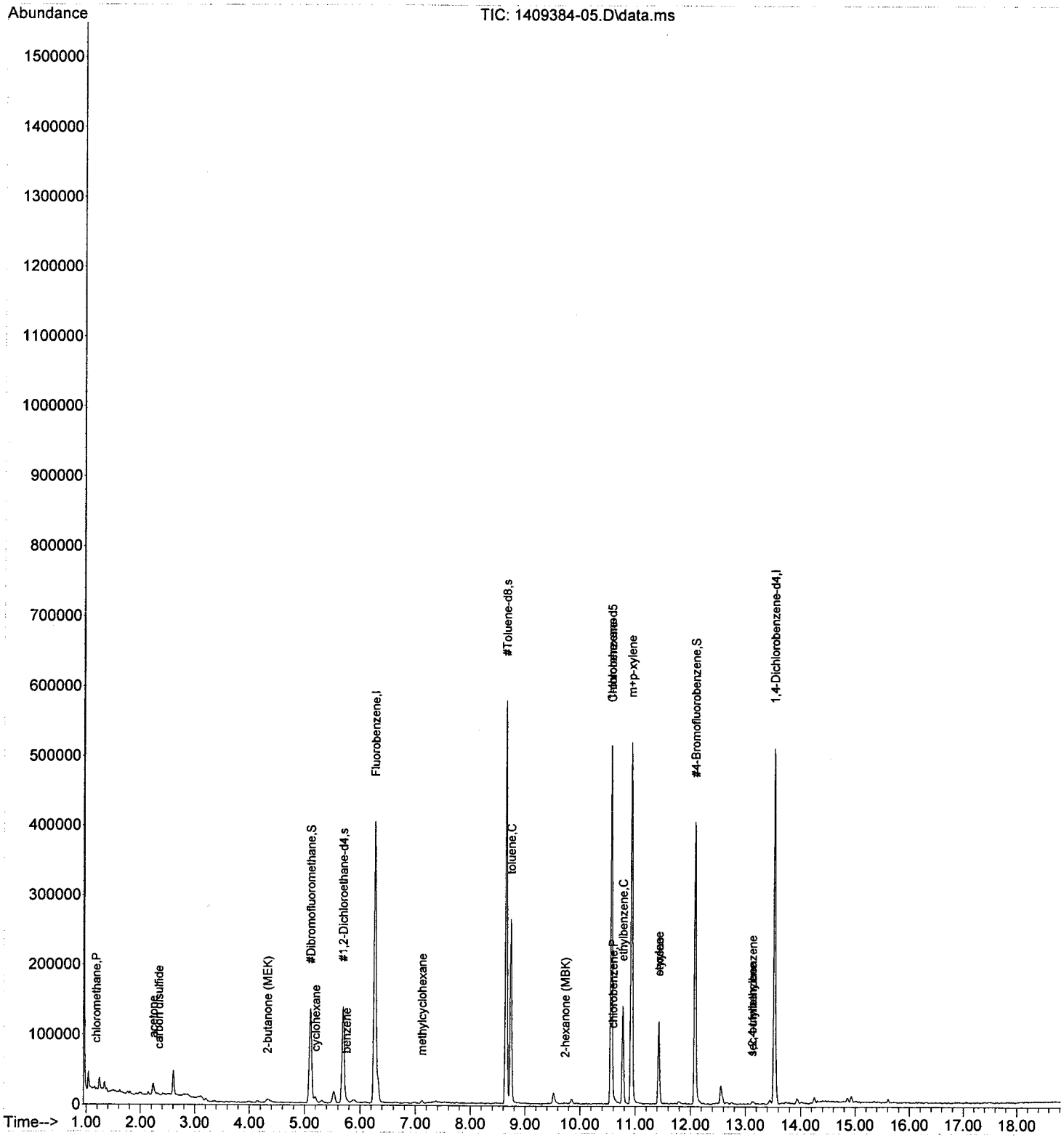
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409384-05
File ID: 1409384-05.D
Sampled: 09/22/14 13:15
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 18:33
Solids: 97.56
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	350051	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	169706	13.525	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000352

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	501599	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	350051	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	169706	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	131683	41.75	ug/L		0.00
Spiked Amount 40.000			Recovery =	104.38%			
37) #1,2-Dichloroethane-d4	5.690	67	77787	43.24	ug/L		0.00
Spiked Amount 40.000			Recovery =	108.10%			
46) #Toluene-d8	8.654	98	481382	39.52	ug/L		0.00
Spiked Amount 40.000			Recovery =	98.80%			
64) #4-Bromofluorobenzene	12.084	95	176053	40.12	ug/L		0.00
Spiked Amount 40.000			Recovery =	100.30%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	1.184	50	1542	PS ~~0.26~~	ug/L	#	42
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	29242	4.07	ug/L		96
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	1603	0.14	ug/L	#	74
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.608	49	22753	Below Cal			91
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	10560	✓ 1.80	ug/L		99
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	5.202	56	2309	NDL 0.31	ug/L	#	18
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.755	78	2718	✓ 0.16	ug/L	#	65
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

000353

Quantitation Report (Not Reviewed)

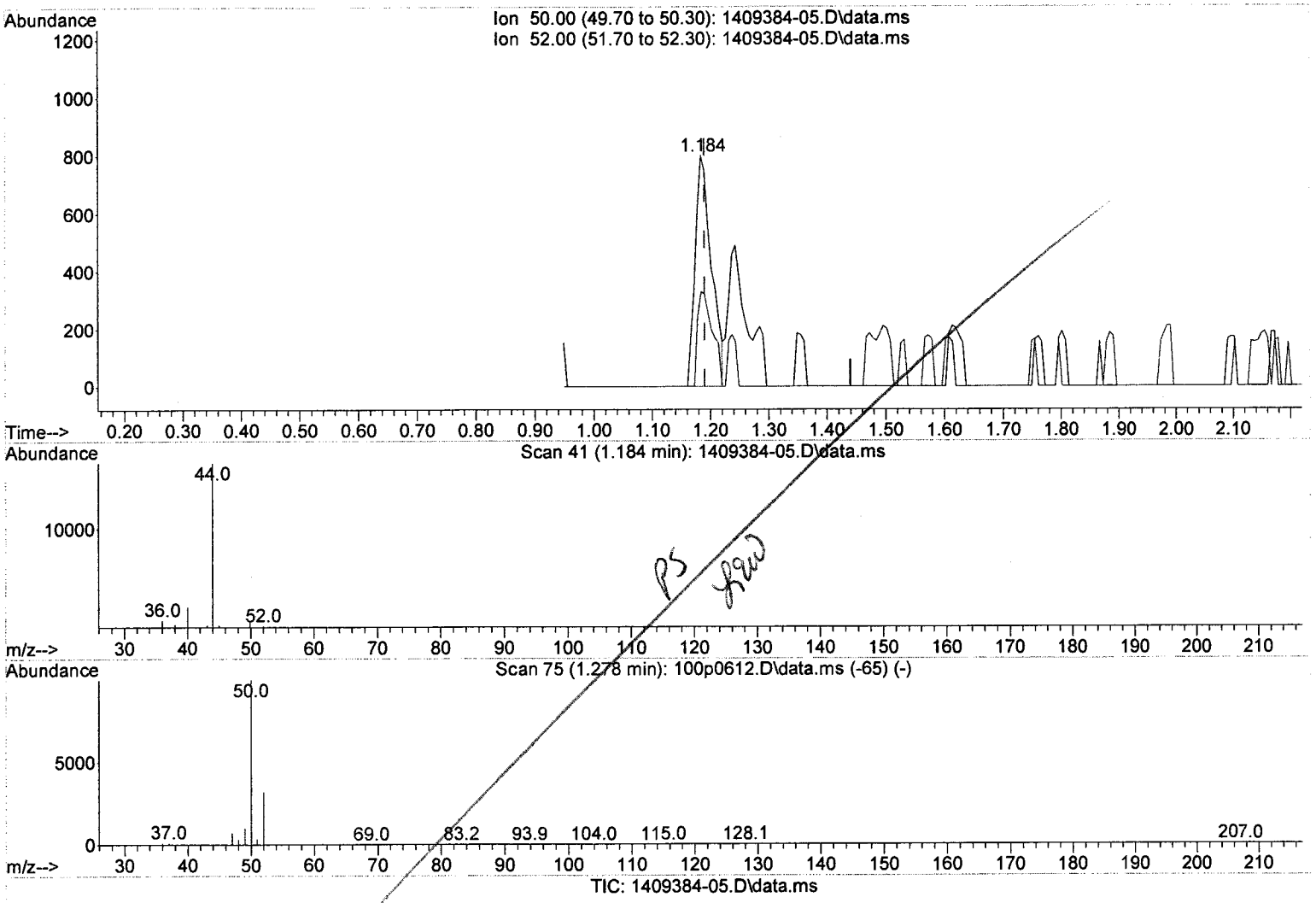
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	1858	0.23 ug/L #	61
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.743	91	235600	12.77 ug/L	99
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.731	43	1973	~~0.68~~ ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	10.595	112	2412	0.20 ug/L #	27
57) 1-chlorohexane	10.560	55	2885	0.63 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	123158	6.06 ug/L	99
60) m+p-xylene	10.931	106	184936	24.28 ug/L	99
61) o-xylene	11.431	106	38210	5.28 ug/L	99
62) styrene	11.431	104	3060	~~0.25~~ ug/L #	1
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.125	105	2643	0.17 ug/L #	32
77) sec-butylbenzene	13.125	105	2590	0.13 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-05.D\data.ms

PS 9/30

(3) chloromethane (P)

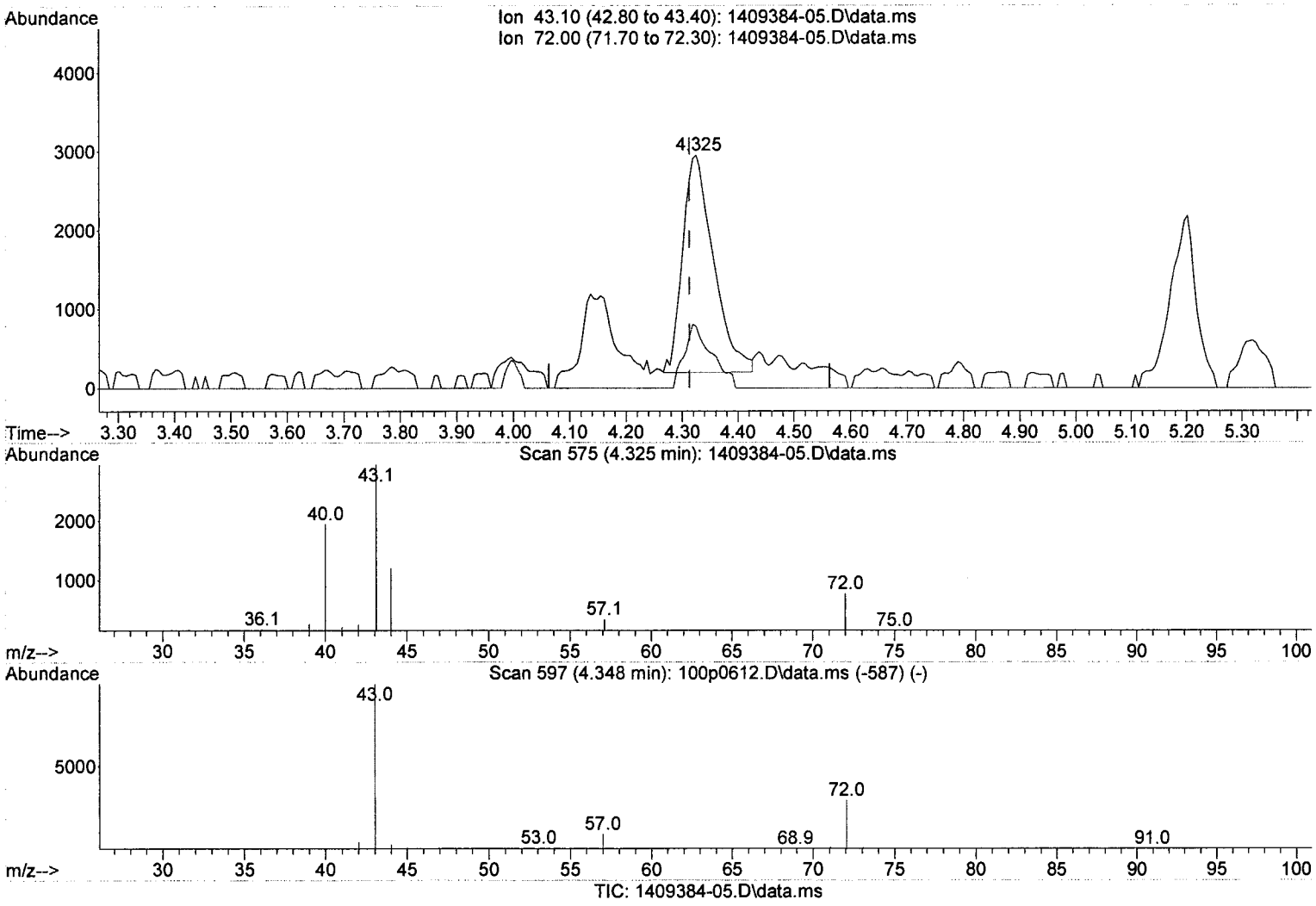
1.184min (-0.006) 0.26 ug/L

response 1542

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-05.D\data.ms

(25) 2-butanone (MEK)

4.325min (+ 0.012) 1.80 ug/L

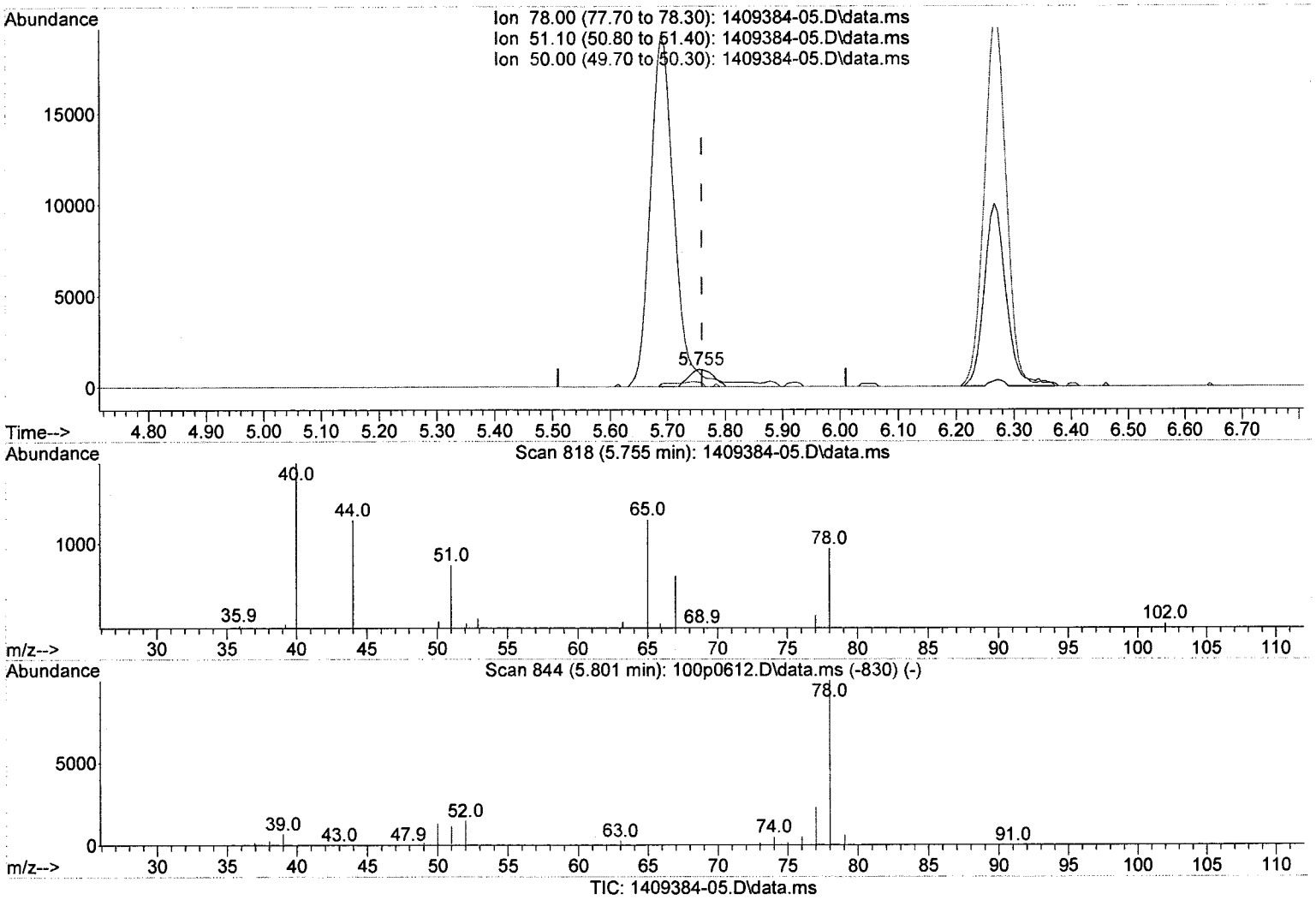
response 10560

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	25.72
0.00	0.00	0.00
0.00	0.00	0.00

000356

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-05.D\data.ms

(34) benzene

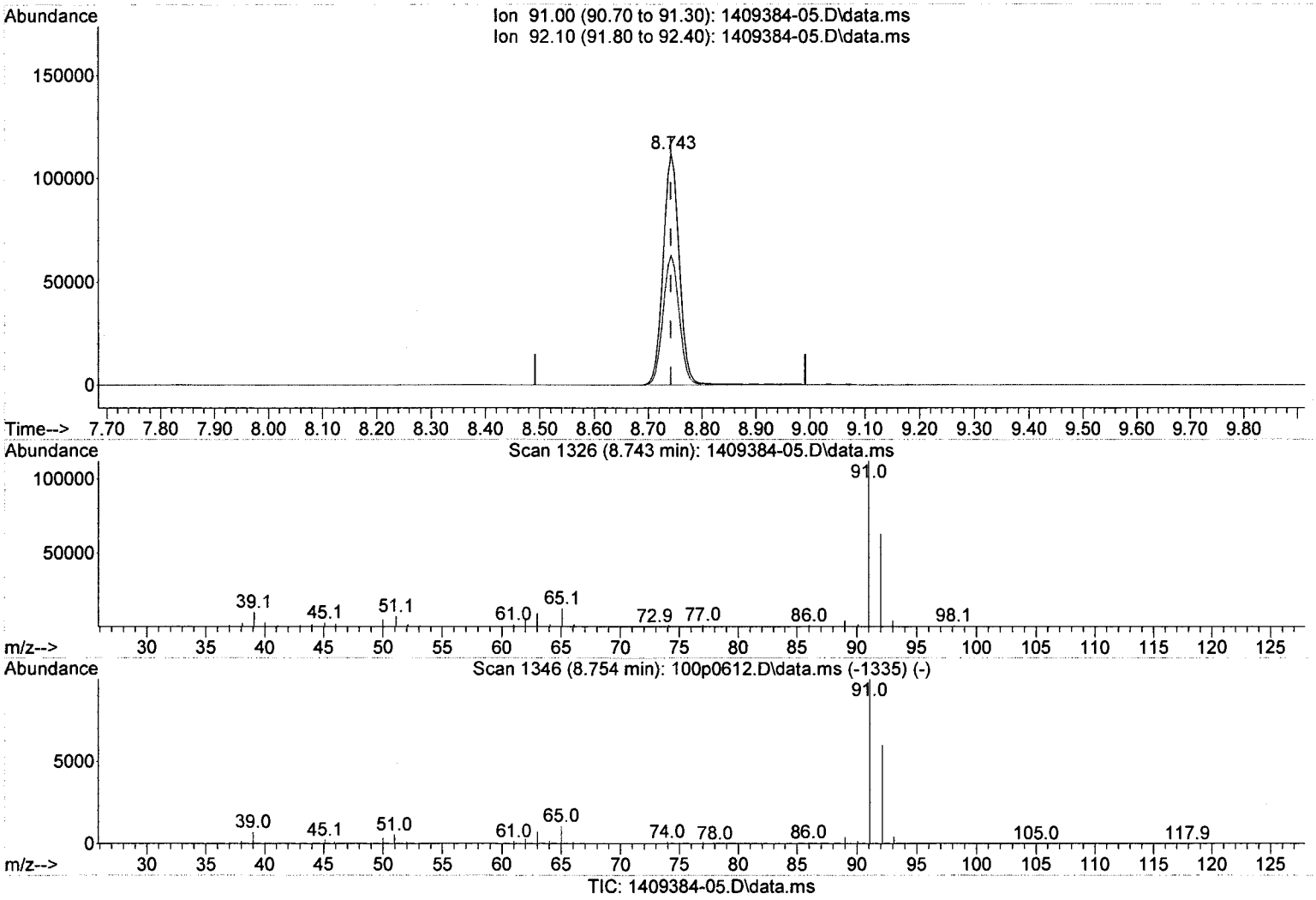
5.755min (-0.005) 0.16 ug/L

response 2718

Ion	Exp%	Act%
78.00	100.00	100.00
51.10	13.10	0.00
50.00	15.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(47) toluene (C)

8.743min (+ 0.001) 12.77 ug/L

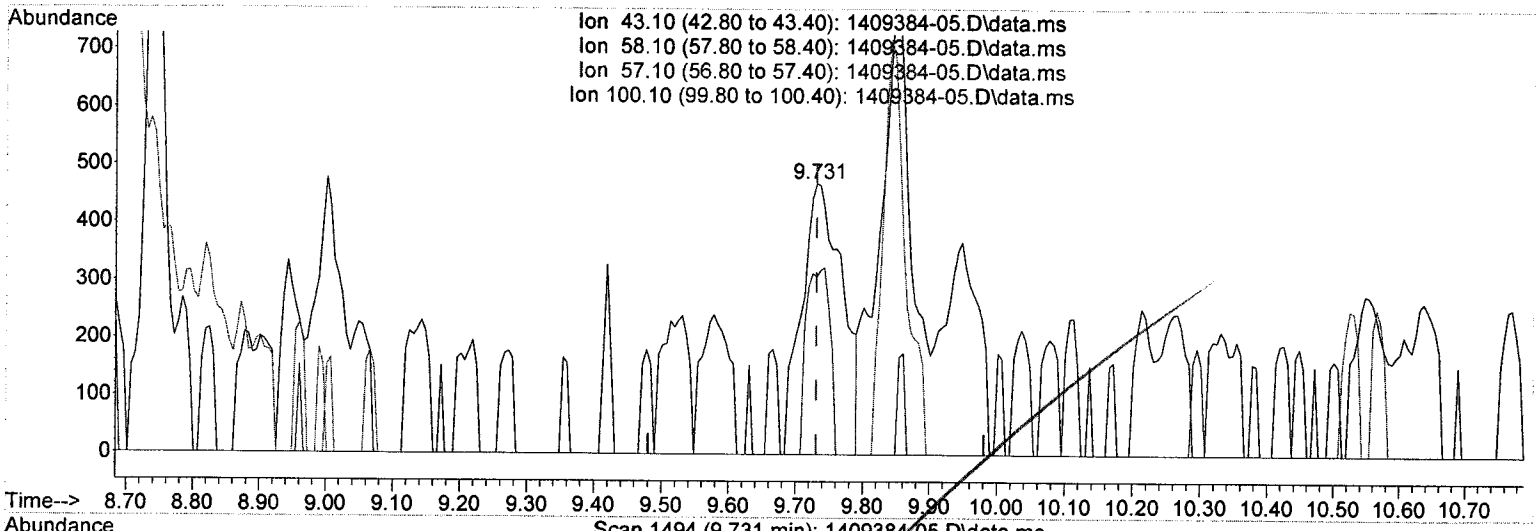
response 235600

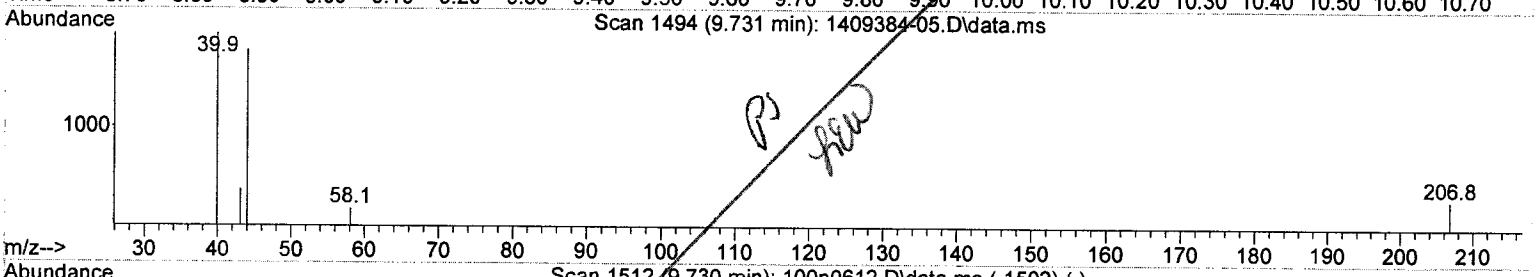
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	56.42
0.00	0.00	0.00
0.00	0.00	0.00

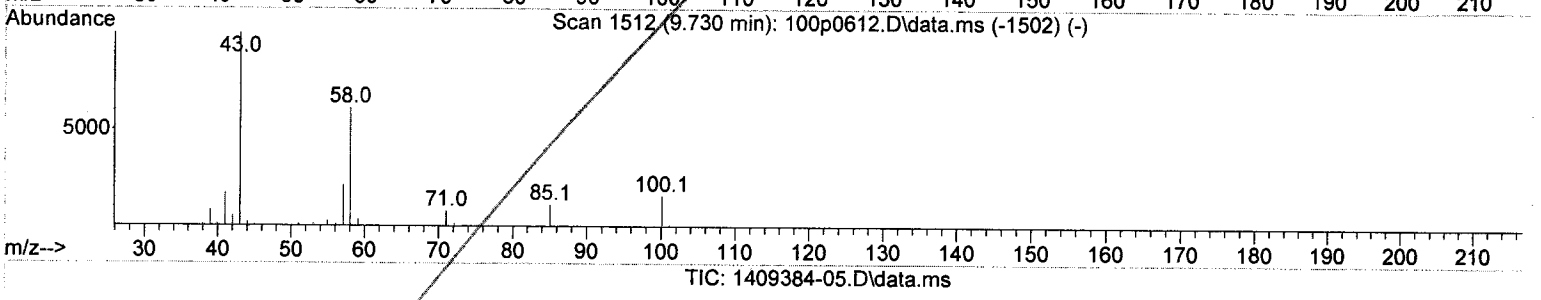
000358

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-05.D\data.ms

(53) 2-hexanone (MBK)

9.731min (-0.000) 0.68 ug/L

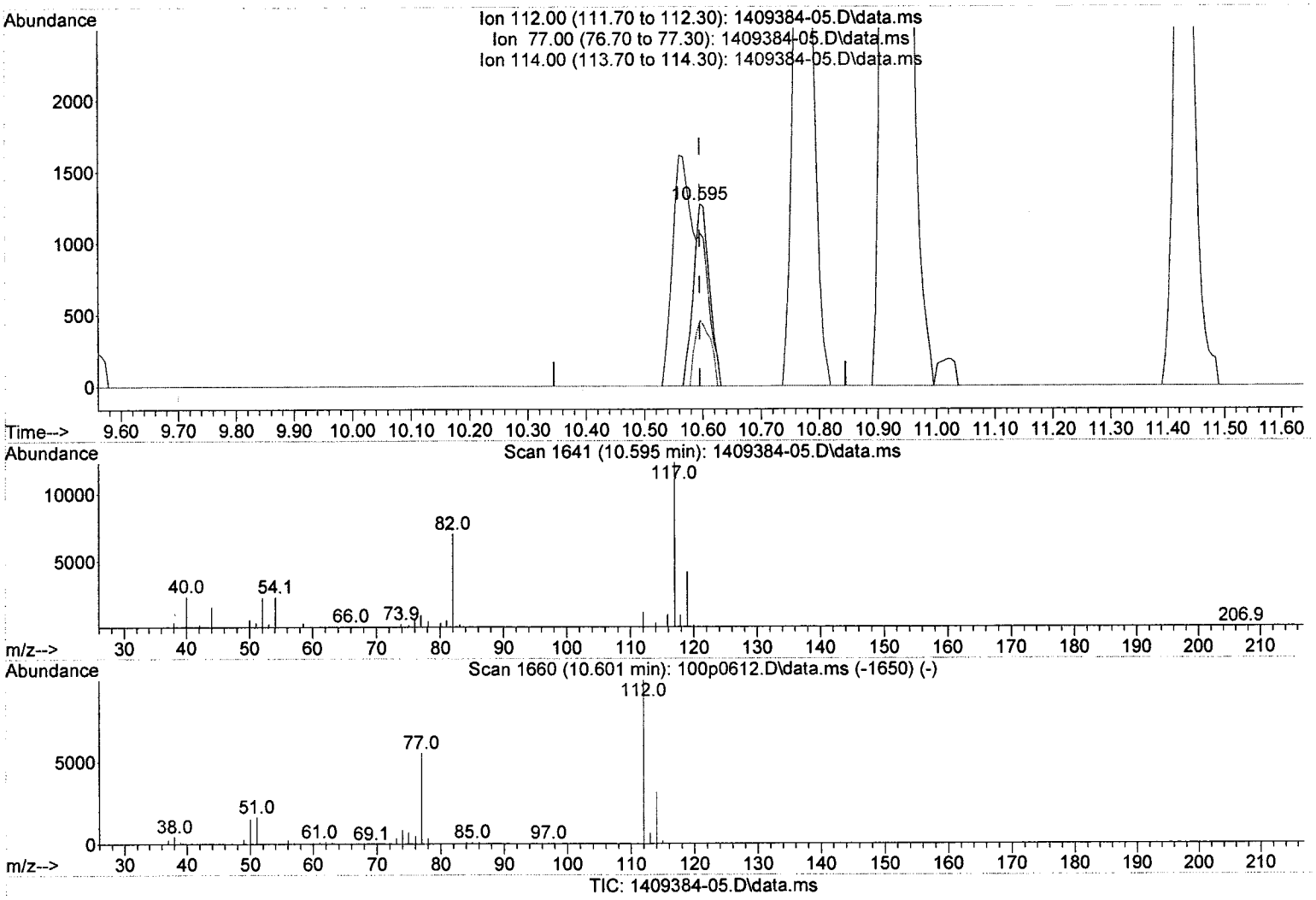
response 1973

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	53.20	0.00#
57.10	18.90	0.00
100.10	10.50	0.00

000359

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-05.D\data.ms

(56) chlorobenzene (P)

10.595min (+ 0.000) 0.20 ug/L

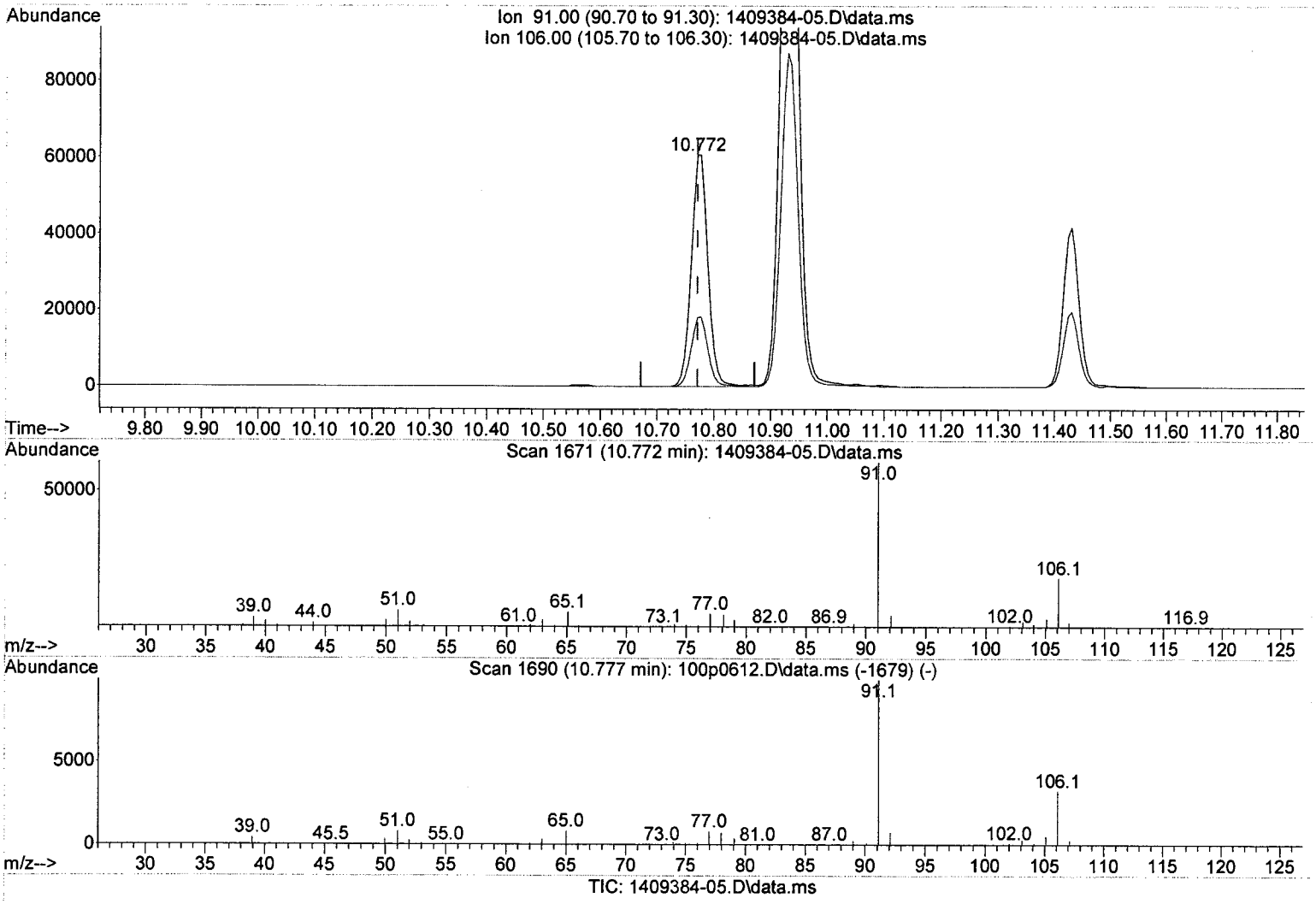
response 2412

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

000360

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-05.D\data.ms

(59) ethylbenzene (C)

10.772min (-0.000) 6.06 ug/L

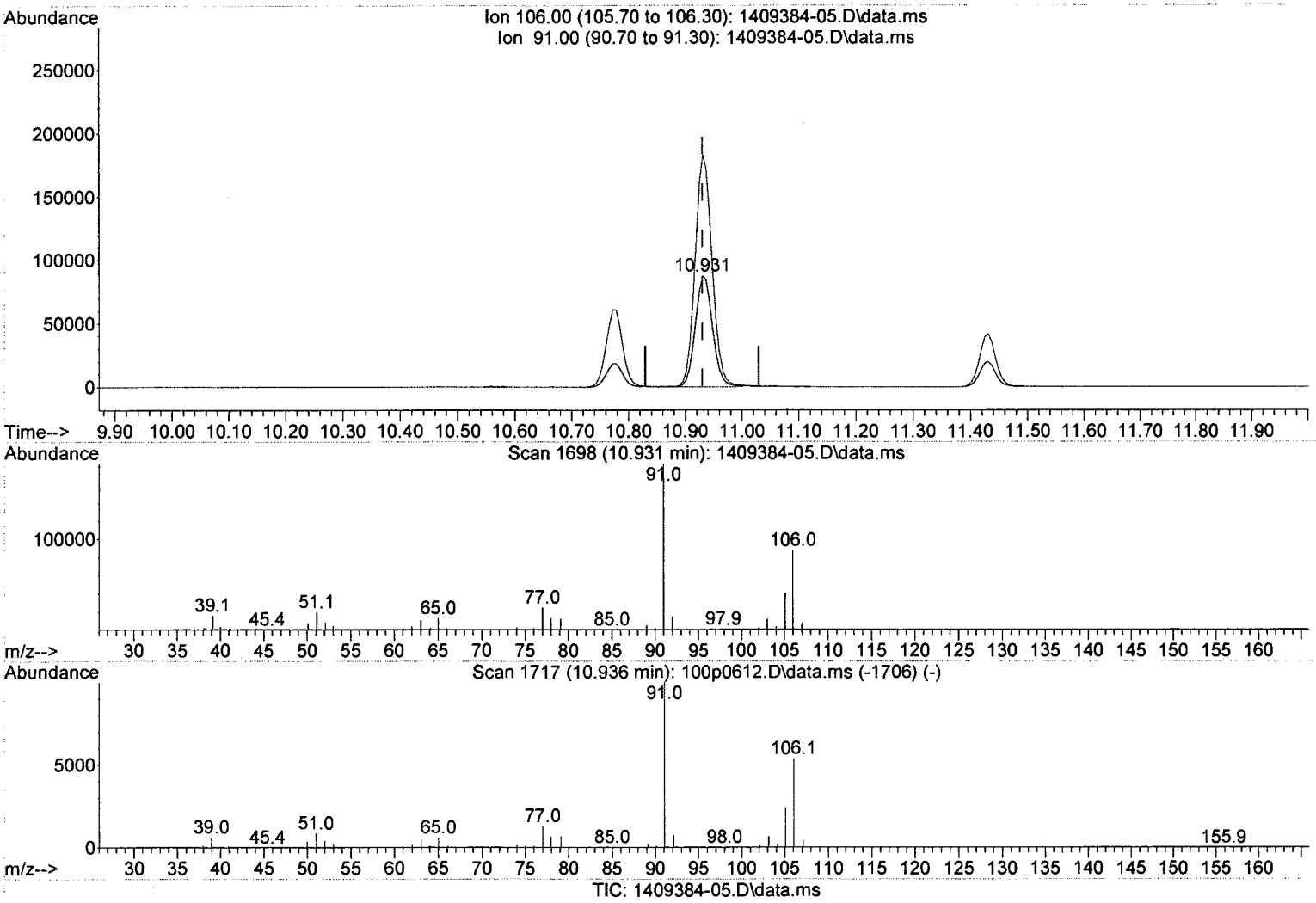
response 123158

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	30.39
0.00	0.00	0.00
0.00	0.00	0.00

000361

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-05.D\data.ms

(60) m+p-xylene

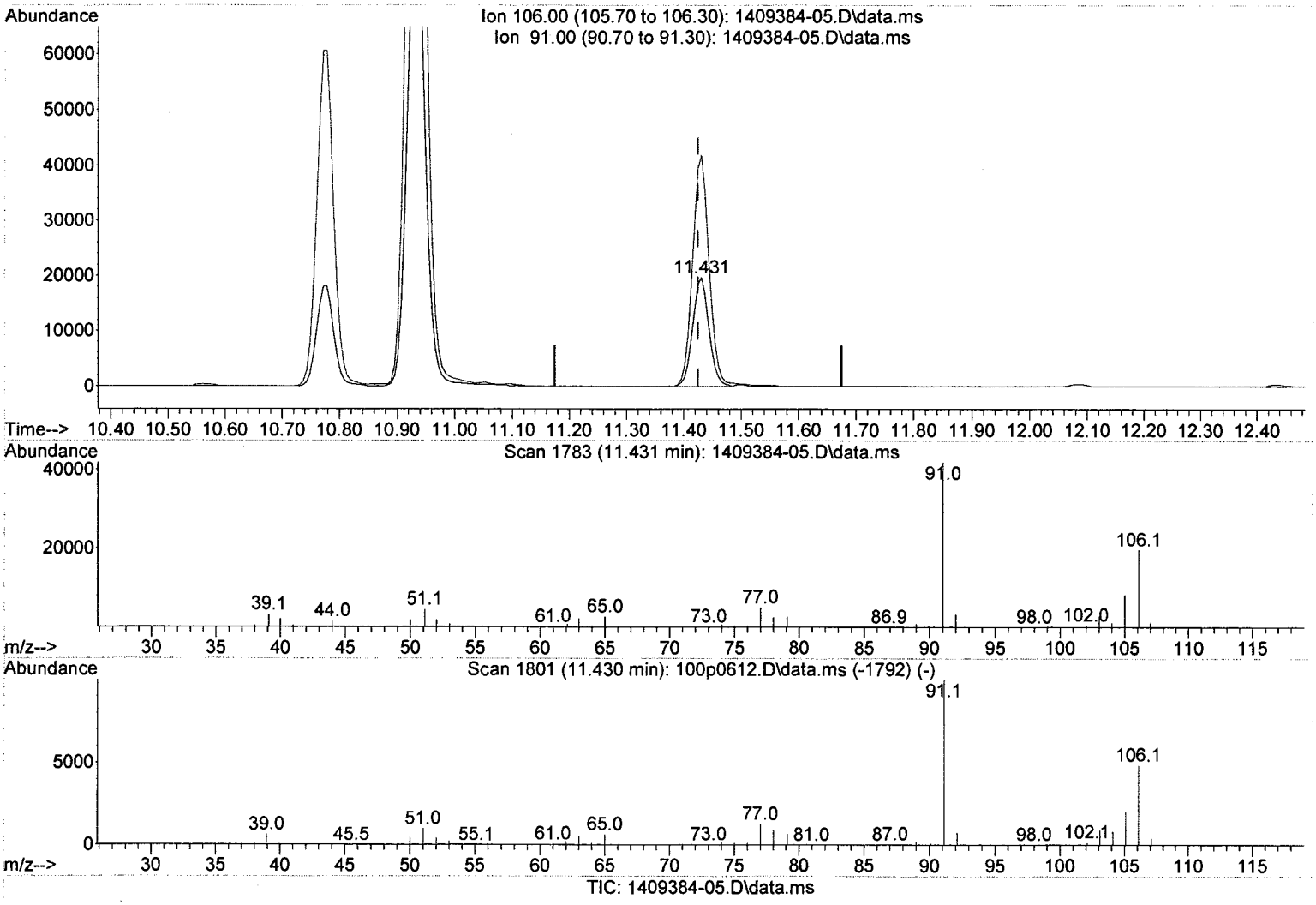
10.931min (+ 0.001) 24.28 ug/L

response 184936

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	205.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-05.D\data.ms

(61) o-xylene

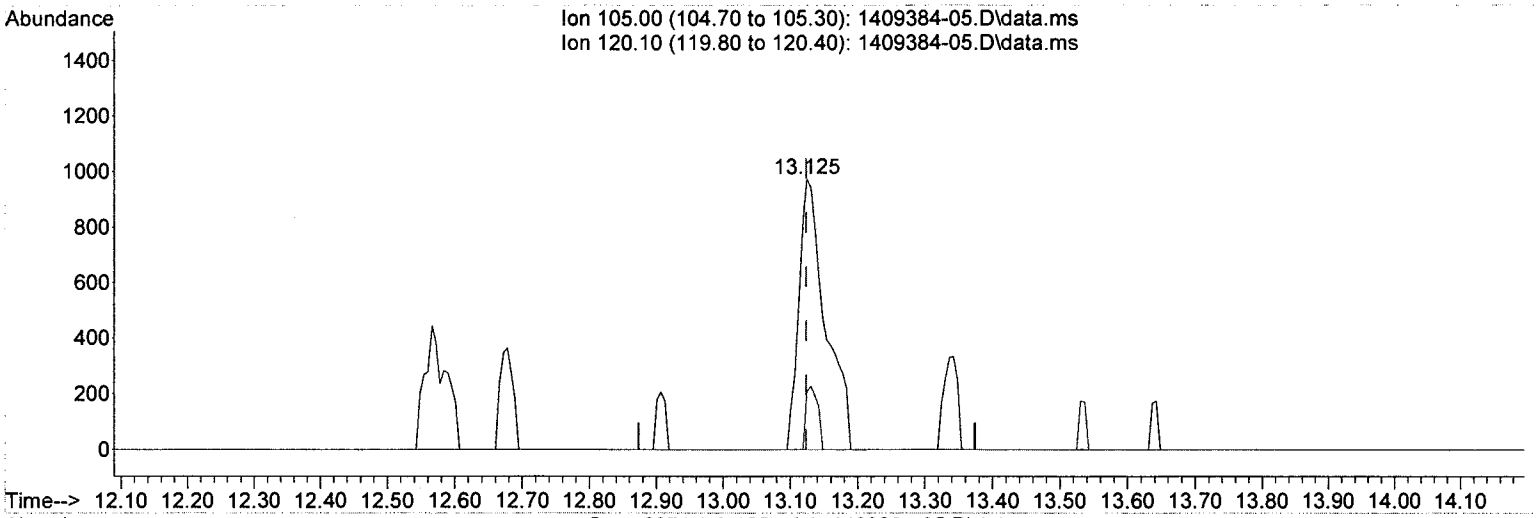
11.431min (+ 0.006) 5.28 ug/L

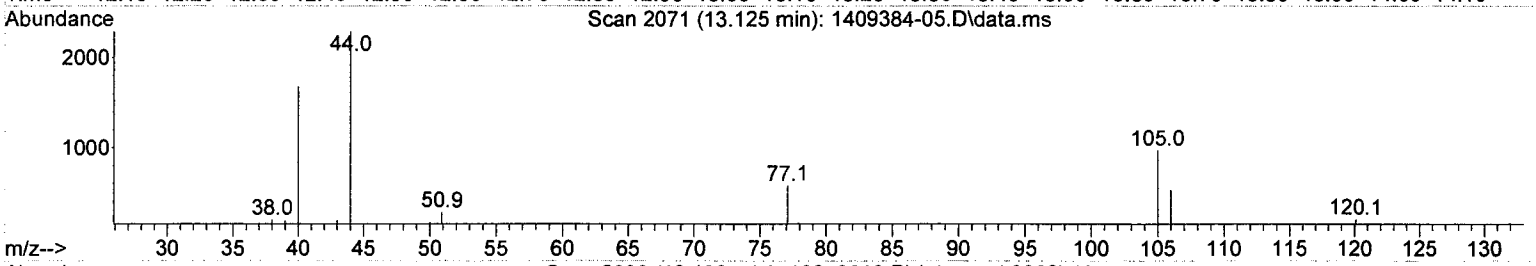
response 38210

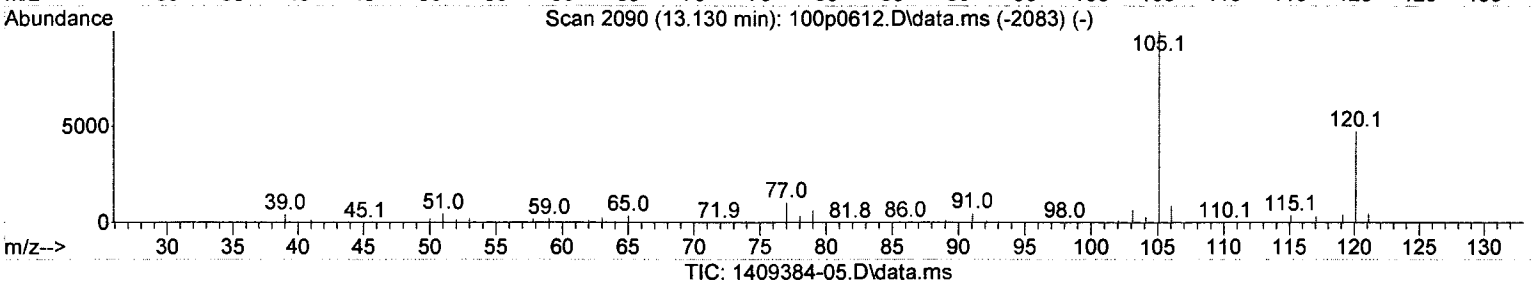
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	218.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-05.D
Acq On : 30 Sep 2014 18:33
Operator : DLV
Sample : 1409384-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 07:18:18 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-05.D\data.ms

(76) 1,2,4-trimethylbenzene

13.125min (+ 0.001) 0.17 ug/L

response 2643

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB25-27

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-06 File ID: 1409384-06.D

Sampled: 09/22/14 14:20 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 18:56

Solids: 97.24 Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	28	4.3	5.1	5.1	
71-43-2	Benzene	1	0.28	0.16	0.51	1.0	J
108-86-1	Bromobenzene	1	0.51	0.14	0.51	1.0	U
74-97-5	Bromochloromethane	1	0.51	0.15	0.51	1.0	U
75-27-4	Bromodichloromethane	1	0.51	0.18	0.51	1.0	U
75-25-2	Bromoform	1	0.51	0.37	0.51	1.0	U
74-83-9	Bromomethane	1	0.51	0.34	0.51	1.0	U
104-51-8	n-Butylbenzene	1	0.51	0.27	0.51	1.0	U
135-98-8	sec-Butylbenzene	1	0.51	0.22	0.51	1.0	U
98-06-6	tert-Butylbenzene	1	0.51	0.17	0.51	1.0	U
75-15-0	Carbon Disulfide	1	0.79	0.24	0.51	1.0	J
56-23-5	Carbon Tetrachloride	1	0.51	0.34	0.51	1.0	U
108-90-7	Chlorobenzene	1	0.23	0.15	0.51	1.0	J
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.51	0.15	0.51	1.0	U
74-87-3	Chloromethane	1	0.51	0.26	0.51	1.0	U
95-49-8	2-Chlorotoluene	1	0.51	0.30	0.51	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.1	U
124-48-1	Dibromochloromethane	1	0.51	0.19	0.51	1.0	U
106-93-4	1,2-Dibromoethane	1	0.51	0.16	0.51	1.0	U
74-95-3	Dibromomethane	1	0.51	0.23	0.51	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.096	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.51	0.15	0.51	1.0	U
75-34-3	1,1-Dichloroethane	1	0.51	0.22	0.51	1.0	U
107-06-2	1,2-Dichloroethane	1	0.51	0.23	0.51	1.0	U
75-35-4	1,1-Dichloroethene	1	0.51	0.31	0.51	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.51	0.23	0.51	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.51	0.28	0.51	1.0	U
78-87-5	1,2-Dichloropropane	1	0.51	0.17	0.51	1.0	U
142-28-9	1,3-Dichloropropane	1	0.51	0.15	0.51	1.0	U
594-20-7	2,2-Dichloropropane	1	0.51	0.24	0.51	1.0	U
563-58-6	1,1-Dichloropropene	1	0.51	0.29	0.51	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.51	0.12	0.51	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB25-27

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-06 File ID: 1409384-06.D

Sampled: 09/22/14 14:20 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 18:56

Solids: 97.24 Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	8.3	0.19	0.51	1.0	
87-68-3	Hexachlorobutadiene	1	0.51	0.21	0.51	1.0	U
591-78-6	2-Hexanone	1	0.51	0.49	0.51	5.1	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.51	0.25	0.51	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.1	U
78-93-3	2-Butanone (MEK)	1	4.1	1.1	5.1	5.1	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.51	0.40	0.51	5.1	U
91-20-3	Naphthalene	1	4.0	0.17	0.51	5.1	J
103-65-1	n-Propylbenzene	1	0.51	0.12	0.51	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
127-18-4	Tetrachloroethene	1	0.51	0.18	0.51	1.0	U
108-88-3	Toluene	1	16	0.10	0.21	1.0	
87-61-6	1,2,3-Trichlorobenzene	1	0.51	0.29	0.51	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.51	0.17	0.51	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.51	0.15	0.51	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.51	0.22	0.51	1.0	U
79-01-6	Trichloroethene	1	0.51	0.25	0.51	1.0	U
75-69-4	Trichlorofluoromethane	1	0.51	0.18	0.51	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.51	0.23	0.51	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.65	0.12	0.51	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.20	0.20	0.51	1.0	J
75-01-4	Vinyl Chloride	1	0.51	0.21	0.51	1.0	U
179601-23-1	Xylene, Meta + Para	1	34	0.15	0.41	2.1	
95-47-6	Xylene, Ortho	1	7.4	0.11	0.21	1.0	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.7	102	78 - 119	
1,2-Dichloroethane-d4	40.0	44.8	112	71 - 136	
Toluene-d8	40.0	39.4	99	85 - 116	
4-Bromofluorobenzene	40.0	40.6	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	464123	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB25-27

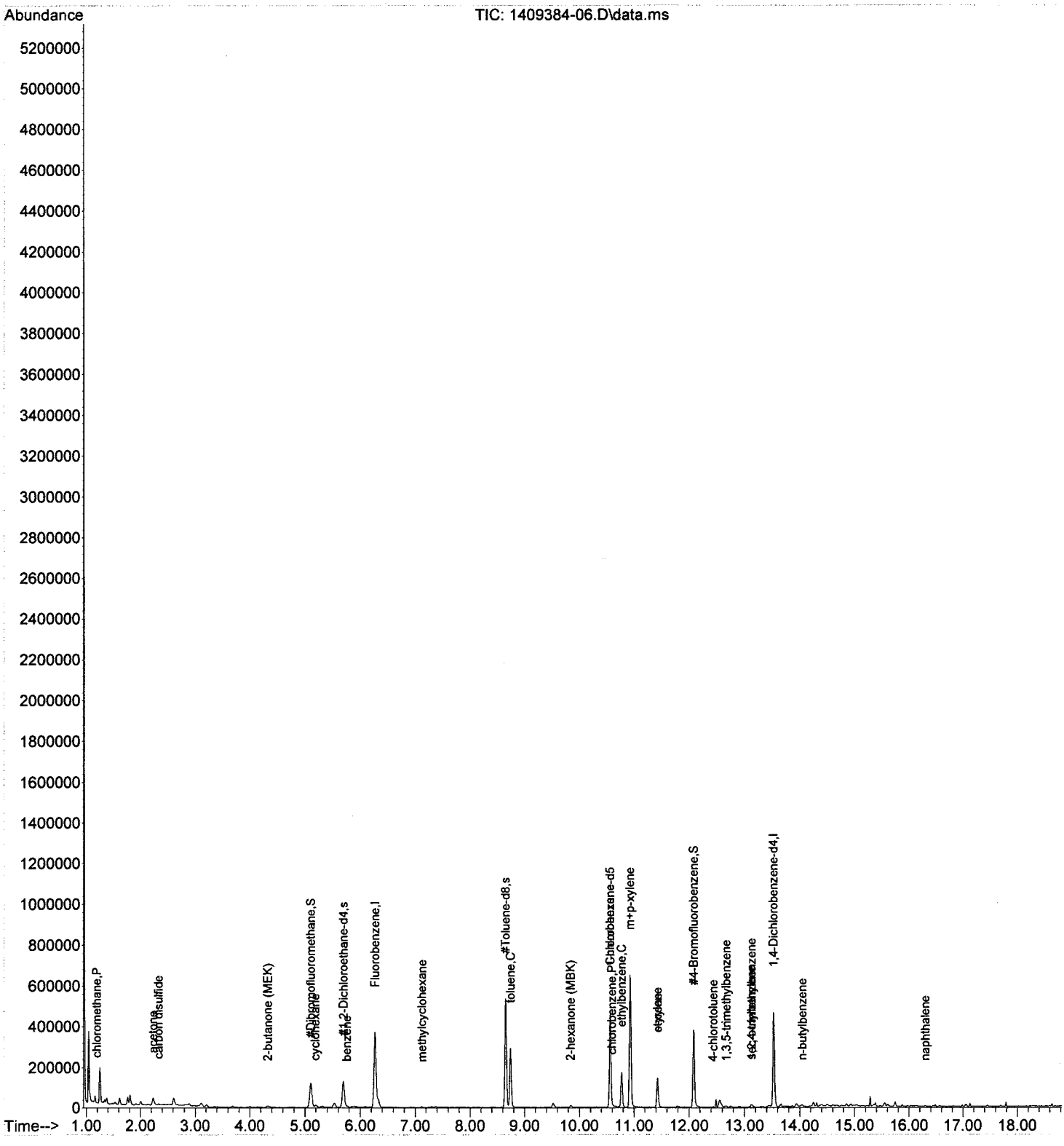
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409384-06
File ID: 1409384-06.D
Sampled: 09/22/14 14:20
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 18:56
Solids: 97.24
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	321054	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	154484	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000368

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	464123	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	321054	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	154484	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	118825	40.71	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.77%				
37) #1,2-Dichloroethane-d4	5.695	67	74530	44.77	ug/L		0.00
Spiked Amount 40.000			Recovery = 111.93%				
46) #Toluene-d8	8.654	98	444476	39.44	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.60%				
64) #4-Bromofluorobenzene	12.083	95	163230	40.56	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.40%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	1.190	50	1610	~~0.29~~	ug/L	#	42
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	54492	27.43	ug/L		98
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	8217	0.77	ug/L	#	74
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	19945	Below Cal			98
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	13791	4.02	ug/L		94
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	5.189	56	2659	0.38	ug/L	#	18
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.760	78	4332	0.27	ug/L	#	65
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

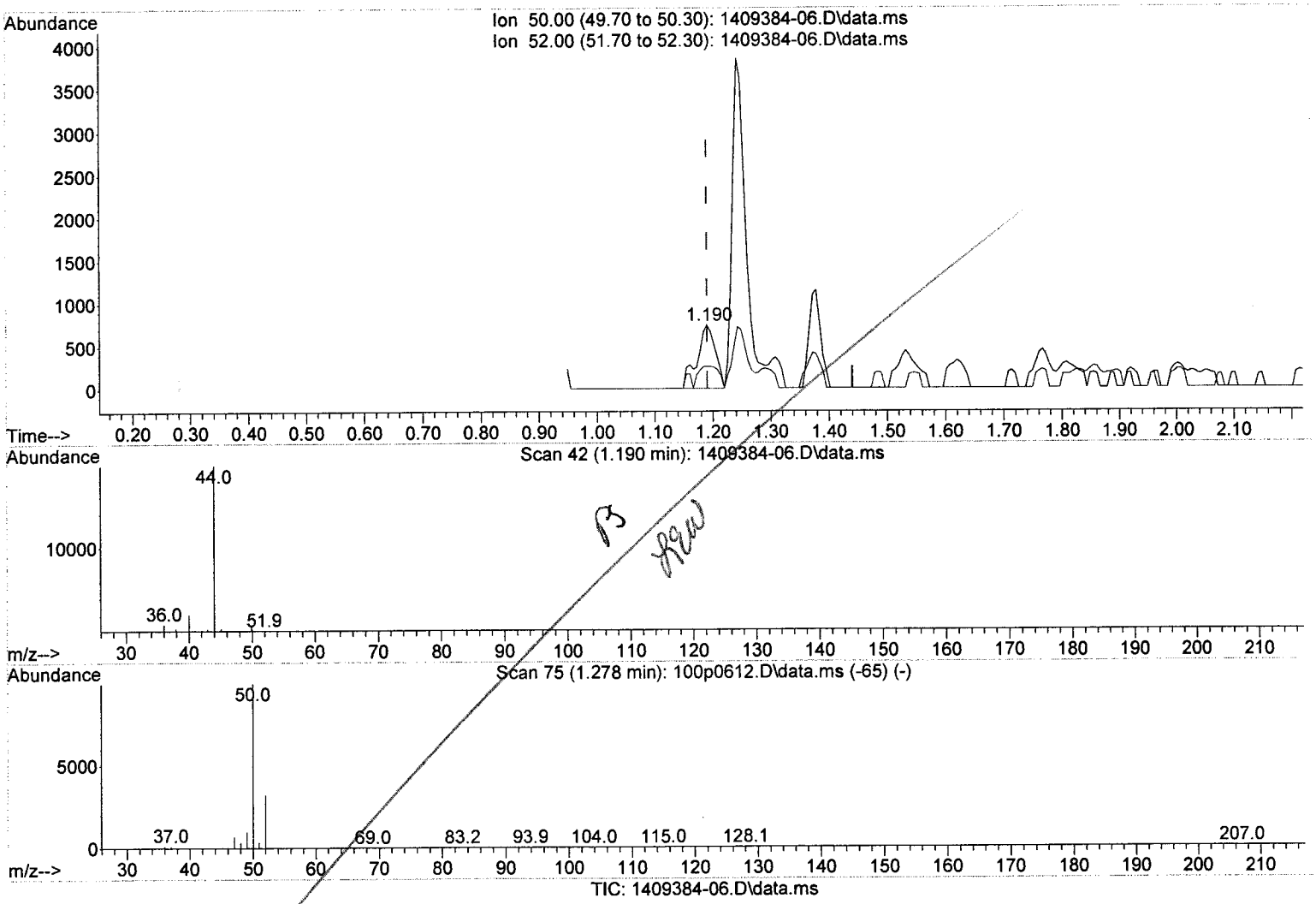
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	7.125	83	1871	0.26 ug/L #	61
40)	1,2-dichloropropane	0.000		0	N.D.	
41)	dibromomethane	0.000		0	N.D.	
42)	bromodichloromethane	0.000		0	N.D.	
43)	2-chloroethyl vinyl ether	0.000		0	N.D.	
44)	cis-1,3-dichloropropene	0.000		0	N.D.	
45)	4-methyl-2-pentanone (...	0.000		0	N.D.	
47)	toluene	8.742	91	259295	15.19 ug/L	99
48)	trans-1,3-dichloropropene	0.000		0	N.D.	
49)	1,1,2-trichloroethane	0.000		0	N.D.	
51)	tetrachloroethene	0.000		0	N.D.	
52)	1,3-dichloropropane	0.000		0	N.D.	
53)	2-hexanone (MBK)	9.842	43	2069	0.77 ug/L #	1
54)	dibromochloromethane	0.000		0	N.D.	
55)	1,2-dibromoethane	0.000		0	N.D.	
56)	chlorobenzene	10.595	112	2382	0.22 ug/L #	27
57)	1-chlorohexane	10.560	55	2535	0.60 ug/L #	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59)	ethylbenzene	10.772	91	150426	8.06 ug/L	99
60)	m+p-xylene	10.930	106	229772	32.89 ug/L	99
61)	o-xylene	11.430	106	47440	7.15 ug/L	98
62)	styrene	11.430	104	3502	0.31 ug/L #	1
63)	bromoform	0.000		0	N.D.	
66)	isopropylbenzene	0.000		0	N.D.	
67)	bromobenzene	0.000		0	N.D.	
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69)	1,2,3-trichloropropane	0.000		0	N.D.	
70)	1,4-dichloro-2-butene	0.000		0	N.D.	
71)	n-propylbenzene	0.000		0	N.D.	
72)	2-chlorotoluene	0.000		0	N.D.	
73)	1,3,5-trimethylbenzene	12.671	105	2691	0.19 ug/L	89
74)	4-chlorotoluene	12.436	91	1904	0.13 ug/L #	45
75)	tert-butylbenzene	0.000		0	N.D.	
76)	1,2,4-trimethylbenzene	13.130	105	9174	0.63 ug/L	79
77)	sec-butylbenzene	13.130	105	8514	0.46 ug/L #	57
78)	1,3-dichlorobenzene	0.000		0	N.D.	
79)	4-isopropyltoluene	0.000		0	N.D.	
80)	1,4-dichlorobenzene	0.000		0	N.D.	
81)	1,2-dichlorobenzene	0.000		0	N.D.	
82)	n-butylbenzene	14.048	91	3146	0.21 ug/L #	4
83)	hexachloroethane	0.000		0	N.D.	
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85)	1,2,4-trichlorobenzene	0.000		0	N.D.	
86)	hexachlorobutadiene	0.000		0	N.D.	
87)	naphthalene	16.295	128	2917	3.93 ug/L #	78
88)	1,2,3-trichlorobenzene	0.000		0	N.D.	
89)	2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

000370

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-06.D\data.ms

(3) chloromethane (P)

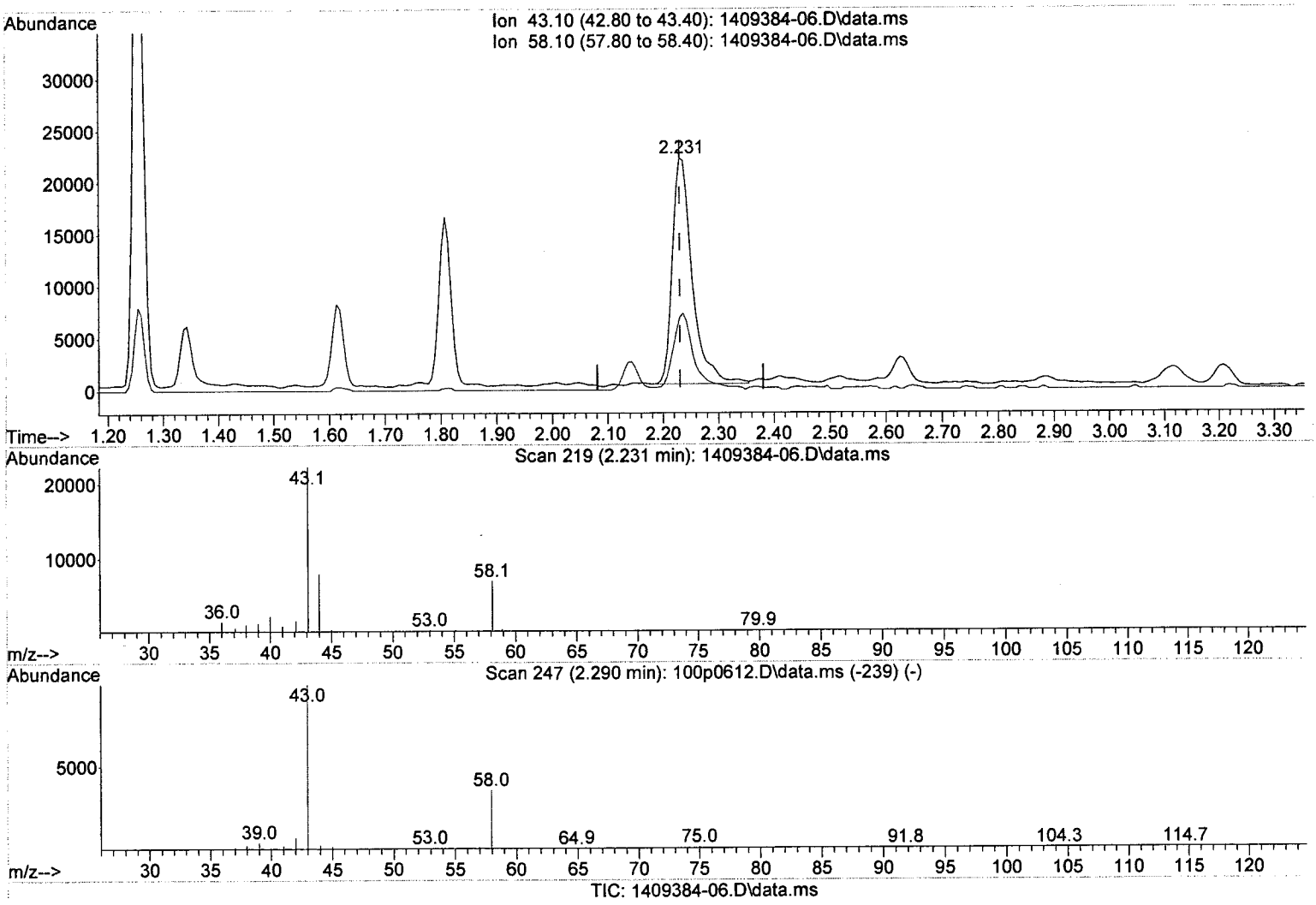
1.190min (-0.000) 0.29 ug/L

response 1610

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-06.D\data.ms

(13) acetone

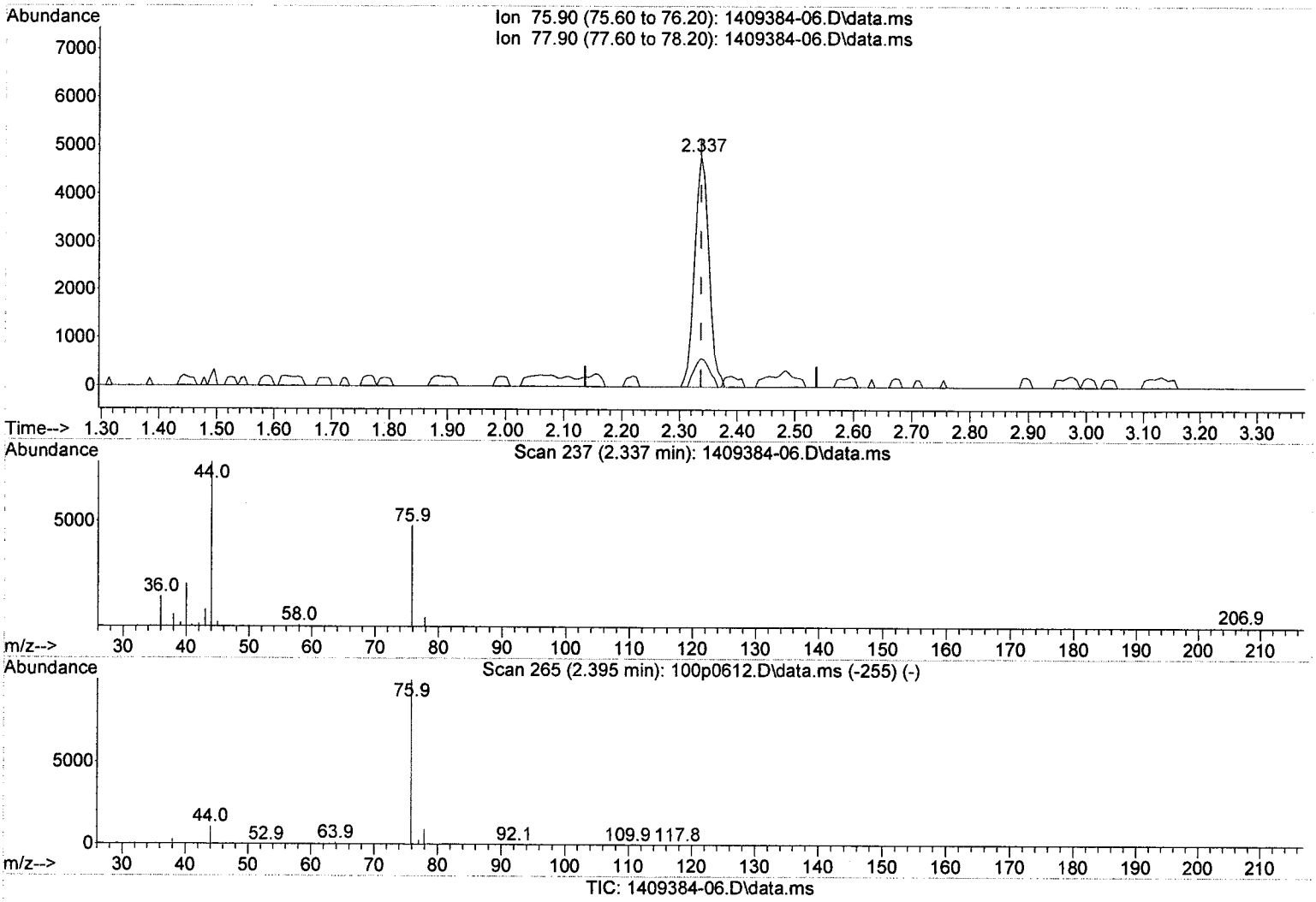
2.231min (-0.000) 27.43 ug/L

response 54492

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	35.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-06.D\data.ms

(15) carbon disulfide

2.337min (-0.000) 0.77 ug/L

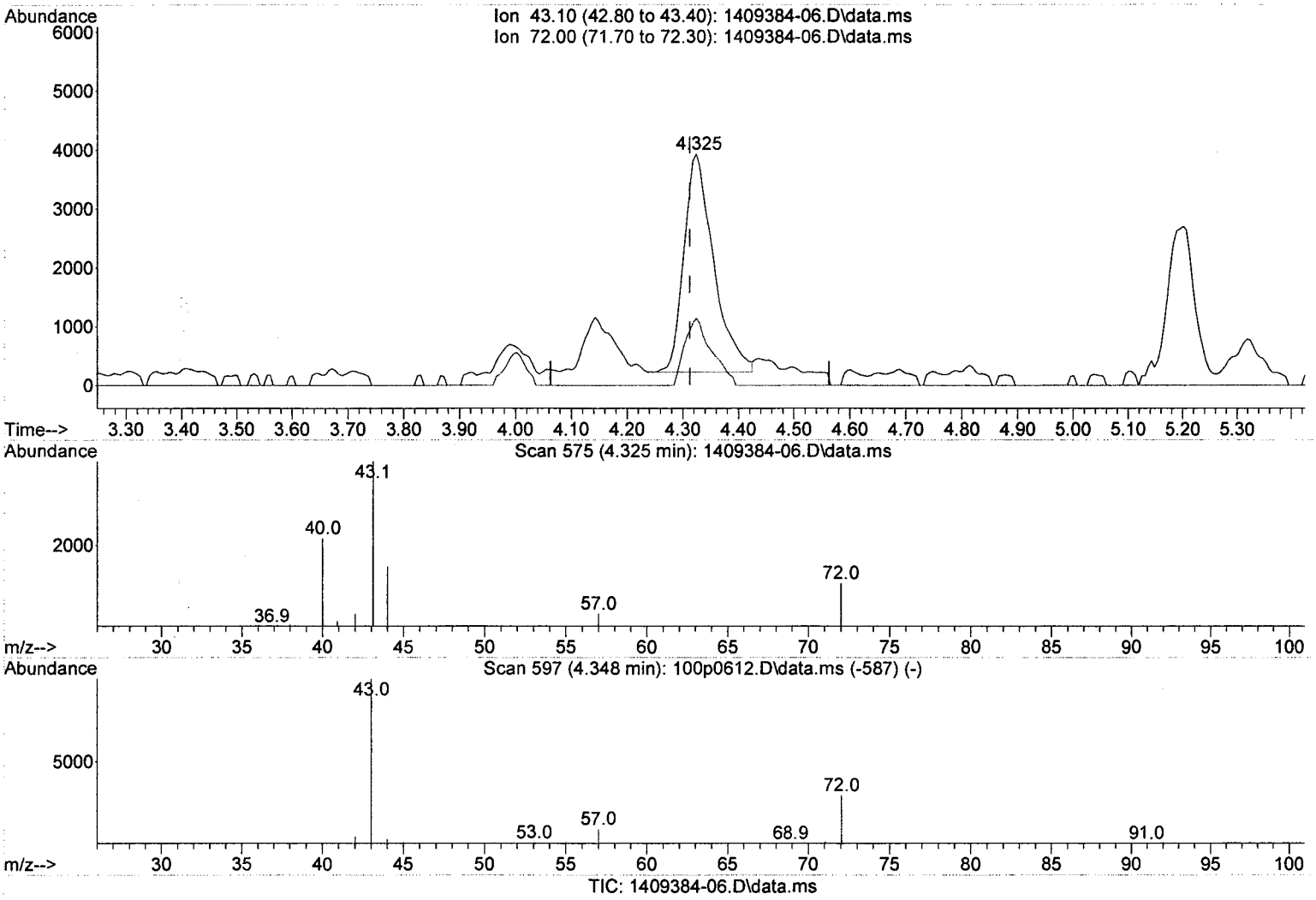
response 8217

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

000373

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-06.D\data.ms

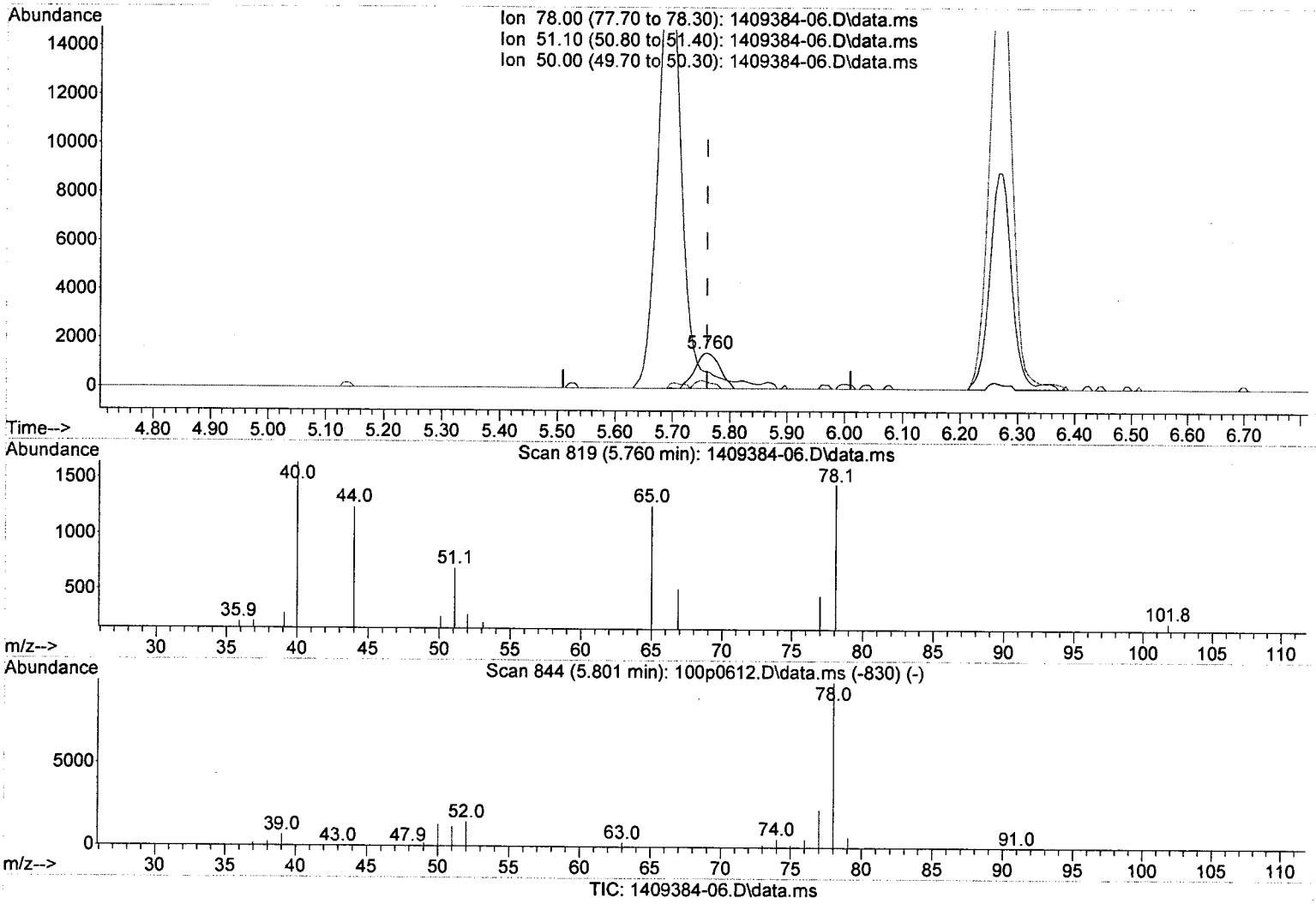
(25) 2-butanone (MEK)

4.325min (+ 0.012) 4.02 ug/L

response 13791

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	27.78
0.00	0.00	0.00
0.00	0.00	0.00

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-06.D\data.ms

(34) benzene

5.760min (+ 0.000) 0.27 ug/L

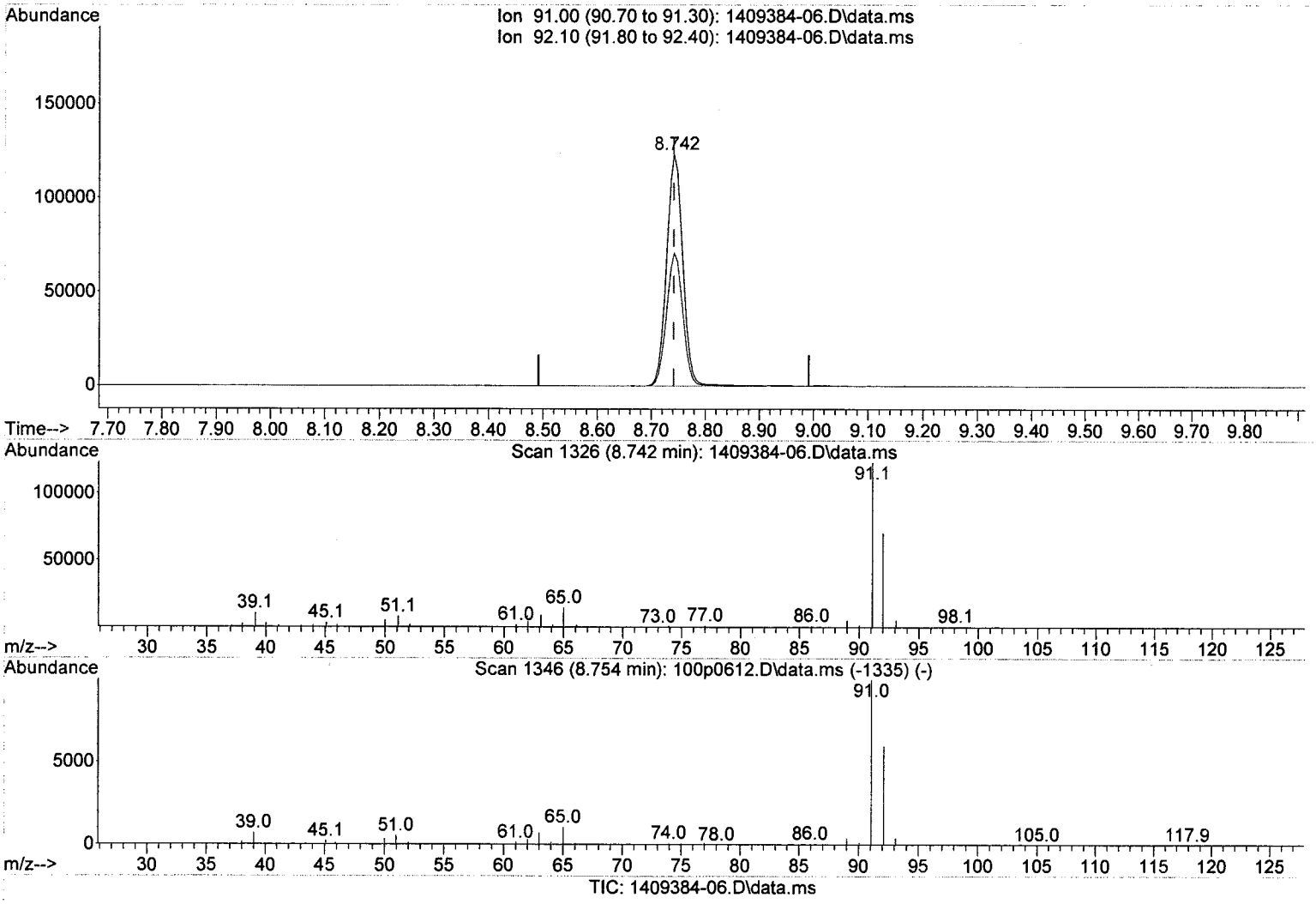
response 4332

Ion	Exp%	Act%
78.00	100.00	100.00
51.10	13.10	0.00
50.00	15.20	0.00
0.00	0.00	0.00

000375

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-06.D\data.ms

(47) toluene (C)

8.742min (+ 0.000) 15.19 ug/L

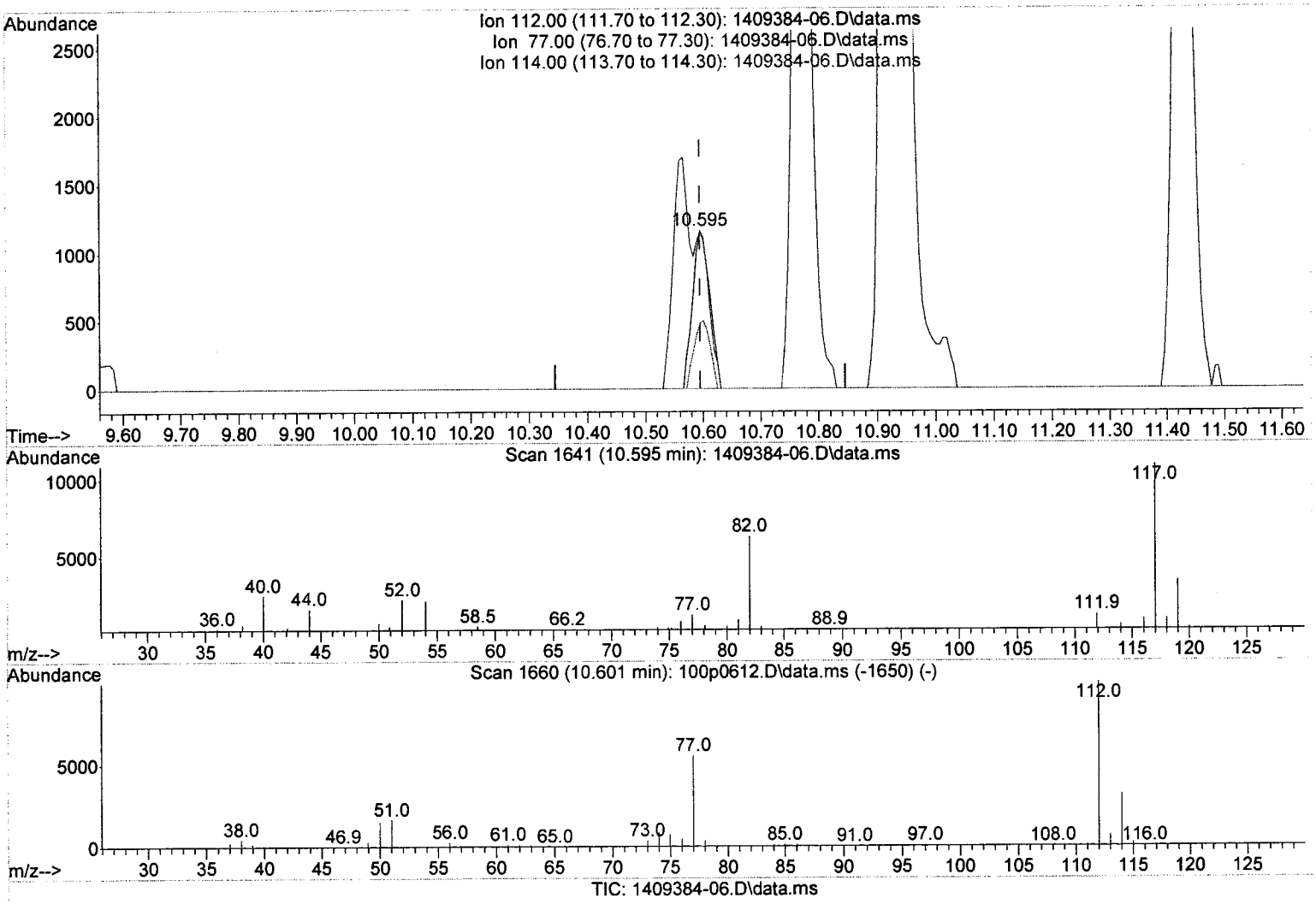
response 259295

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	57.68
0.00	0.00	0.00
0.00	0.00	0.00

000376

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(56) chlorobenzene (P)

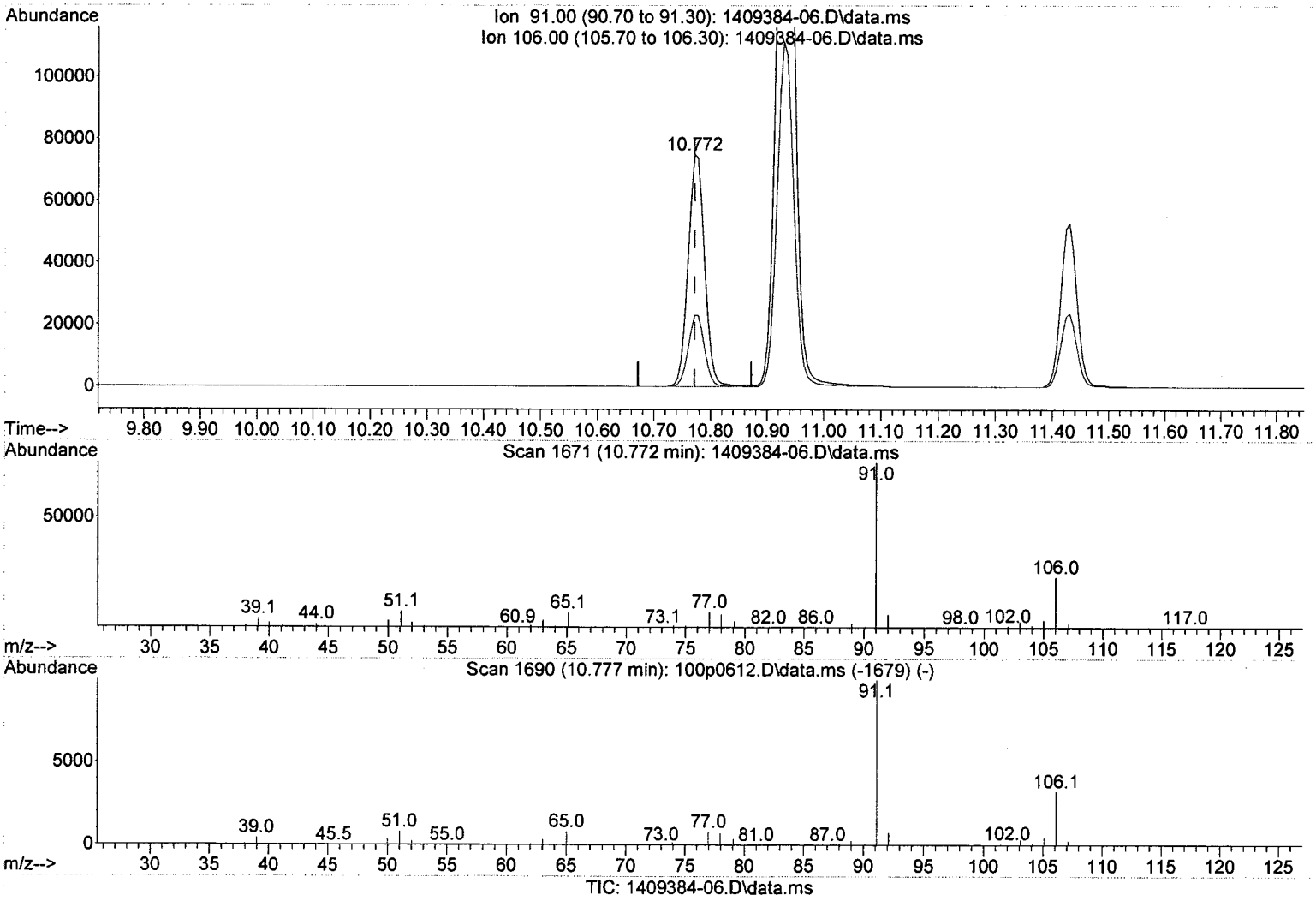
10.595min (+ 0.000) 0.22 ug/L

response 2382

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-06.D\data.ms

(59) ethylbenzene (C)

10.772min (-0.000) 8.06 ug/L

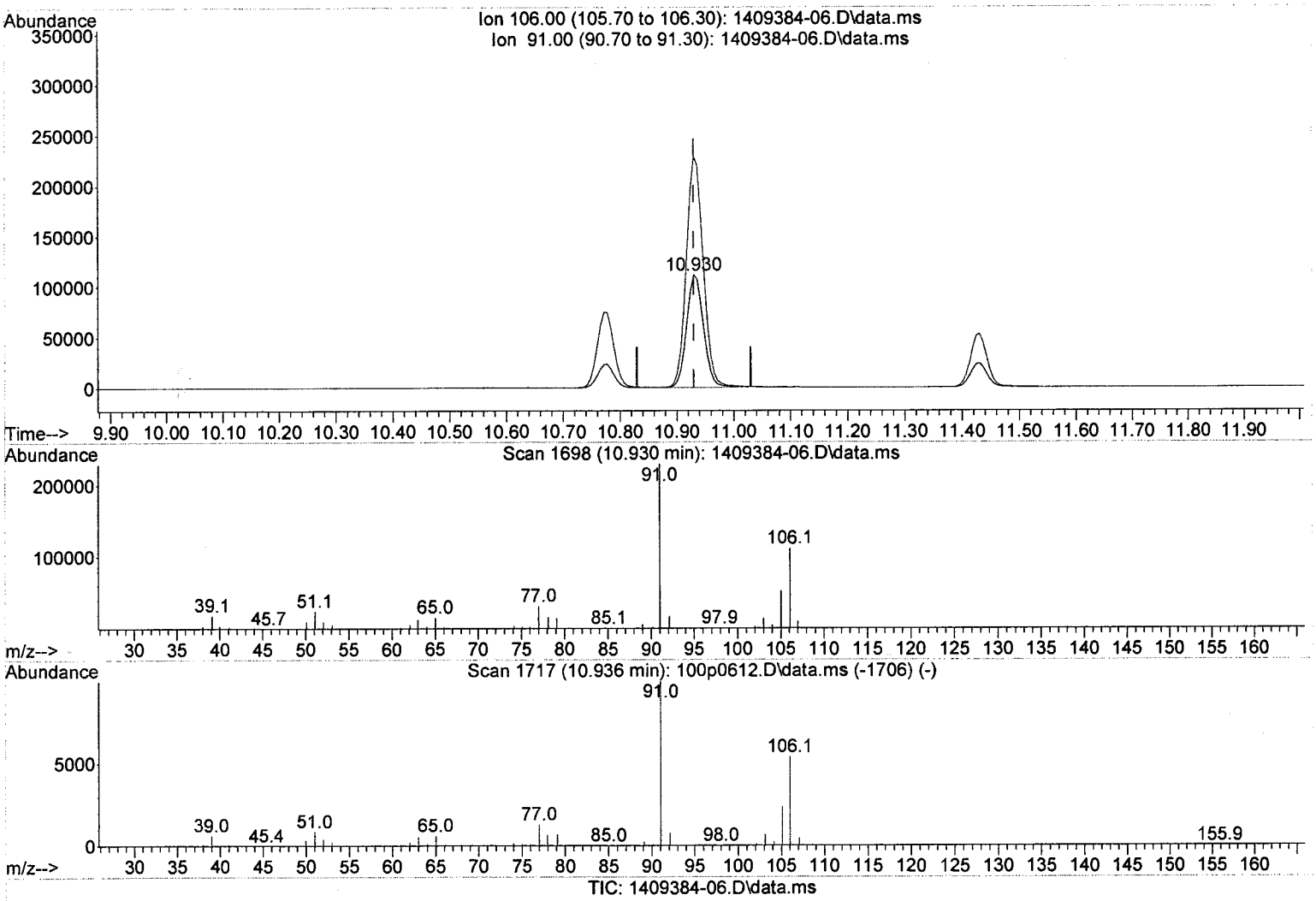
response 150426

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	30.38
0.00	0.00	0.00
0.00	0.00	0.00

000378

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-06.D\data.ms

(60) m+p-xylene

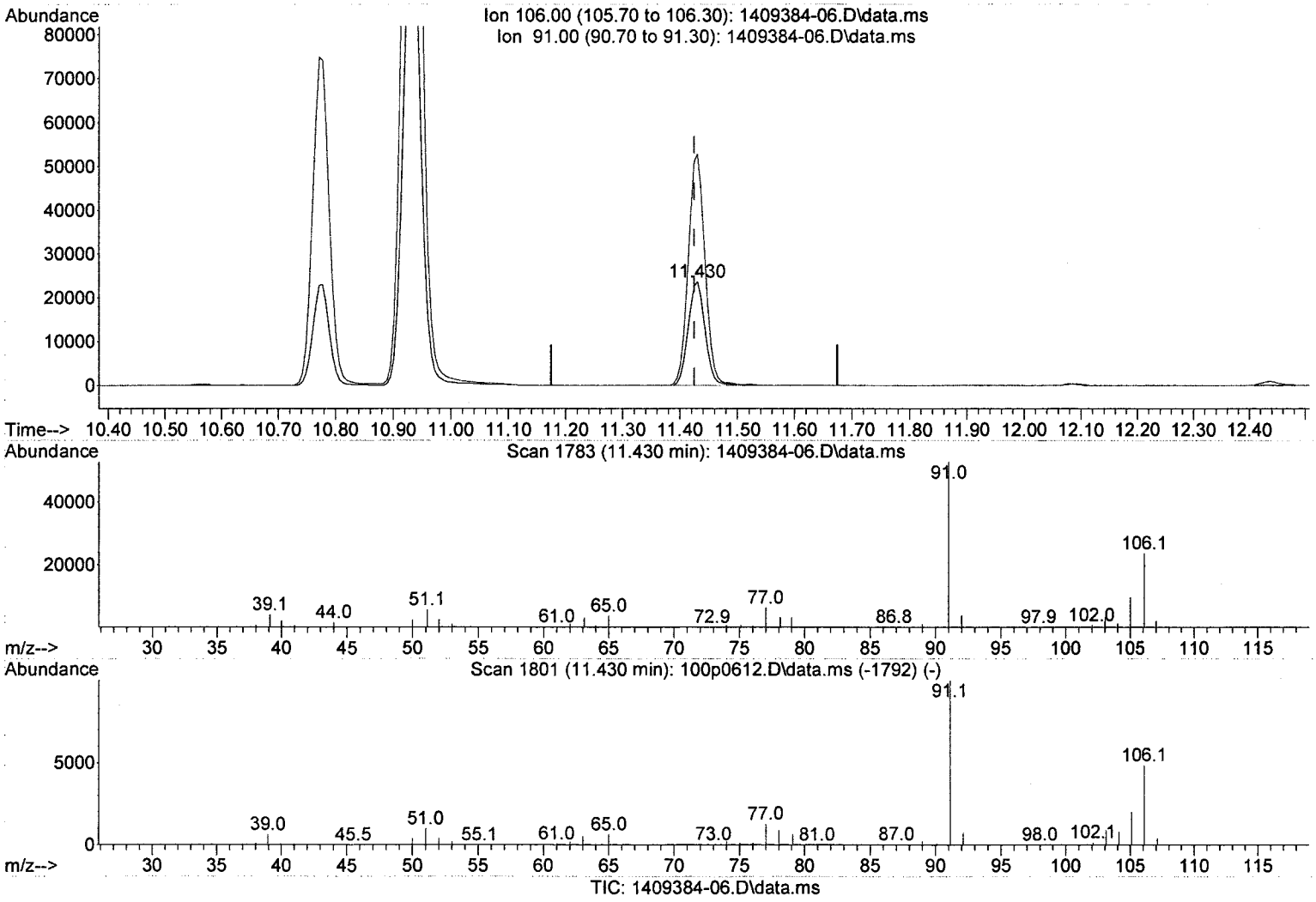
10.930min (+ 0.000) 32.89 ug/L

response 229772

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	205.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-06.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 7.15 ug/L

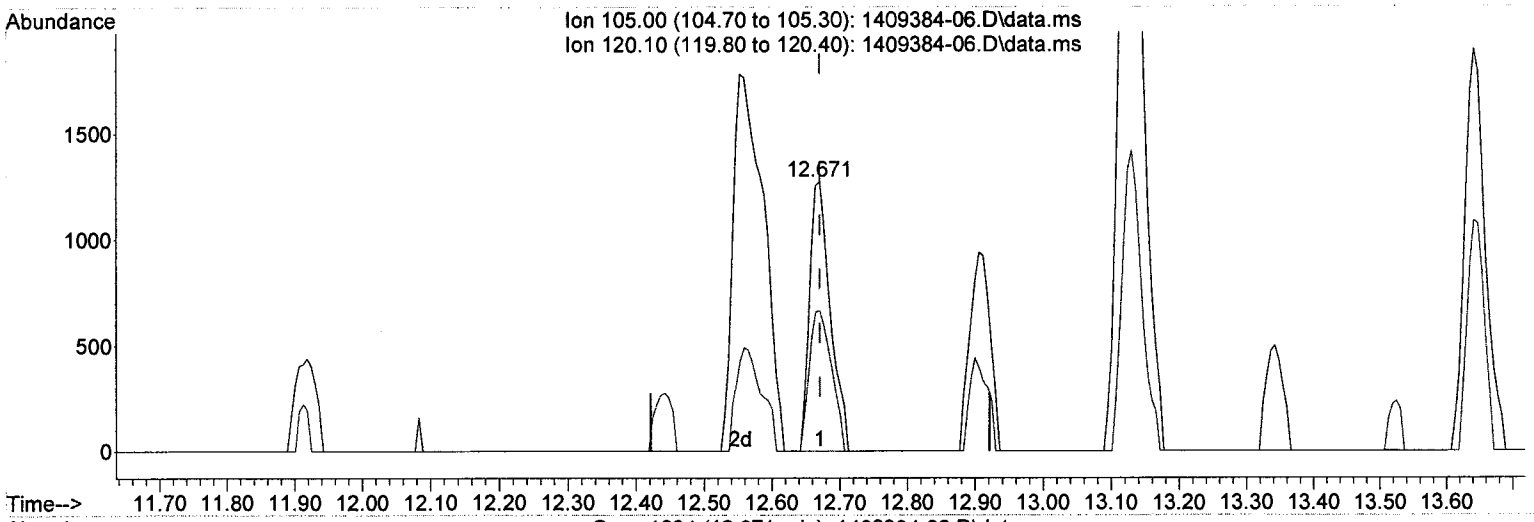
response 47440

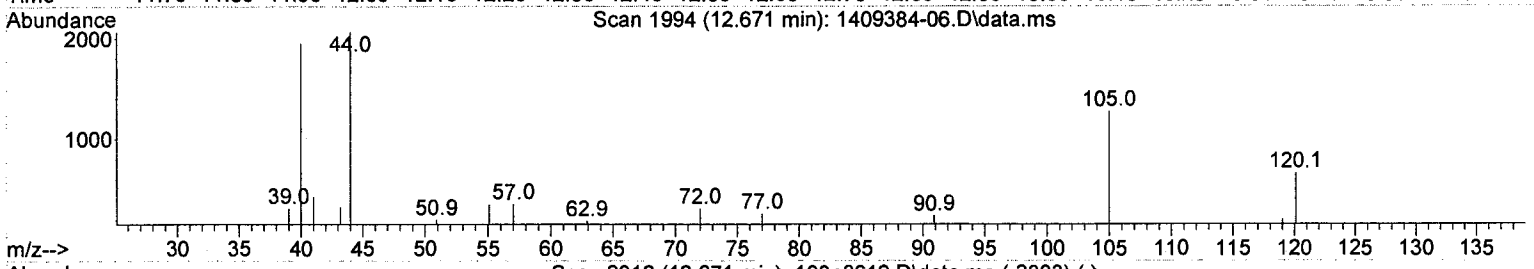
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	223.45
0.00	0.00	0.00
0.00	0.00	0.00

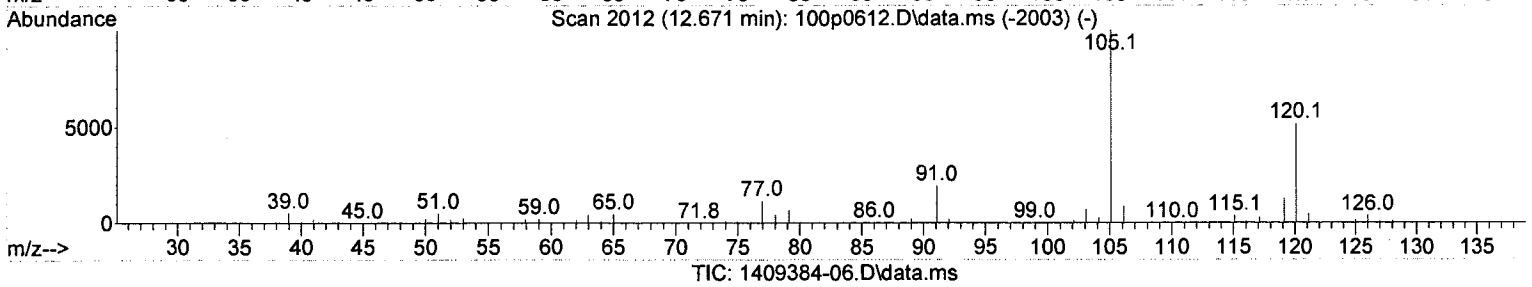
000380

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







(73) 1,3,5-trimethylbenzene

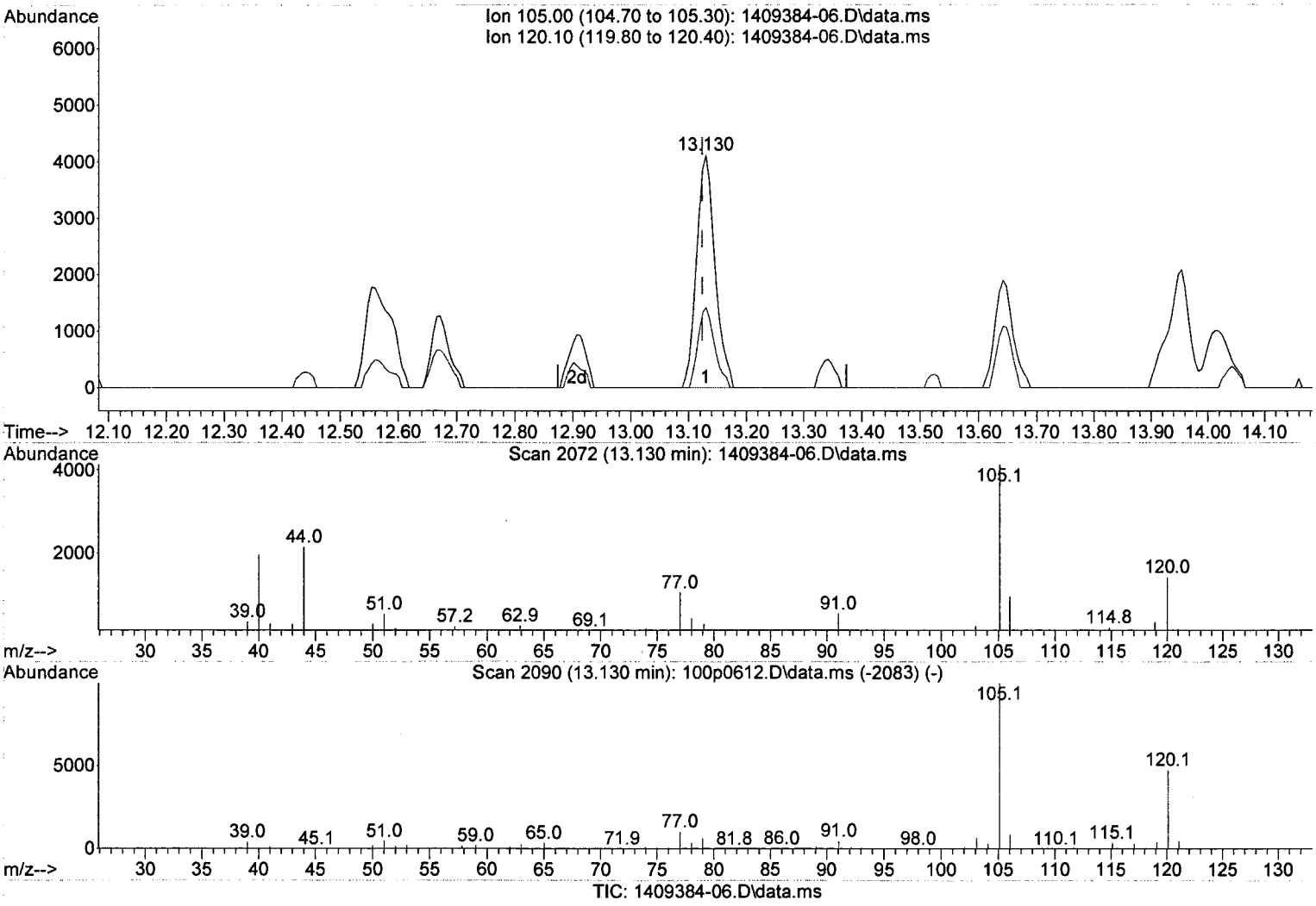
12.671min (-0.001) 0.19 ug/L

response 2691

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	48.20	55.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(76) 1,2,4-trimethylbenzene

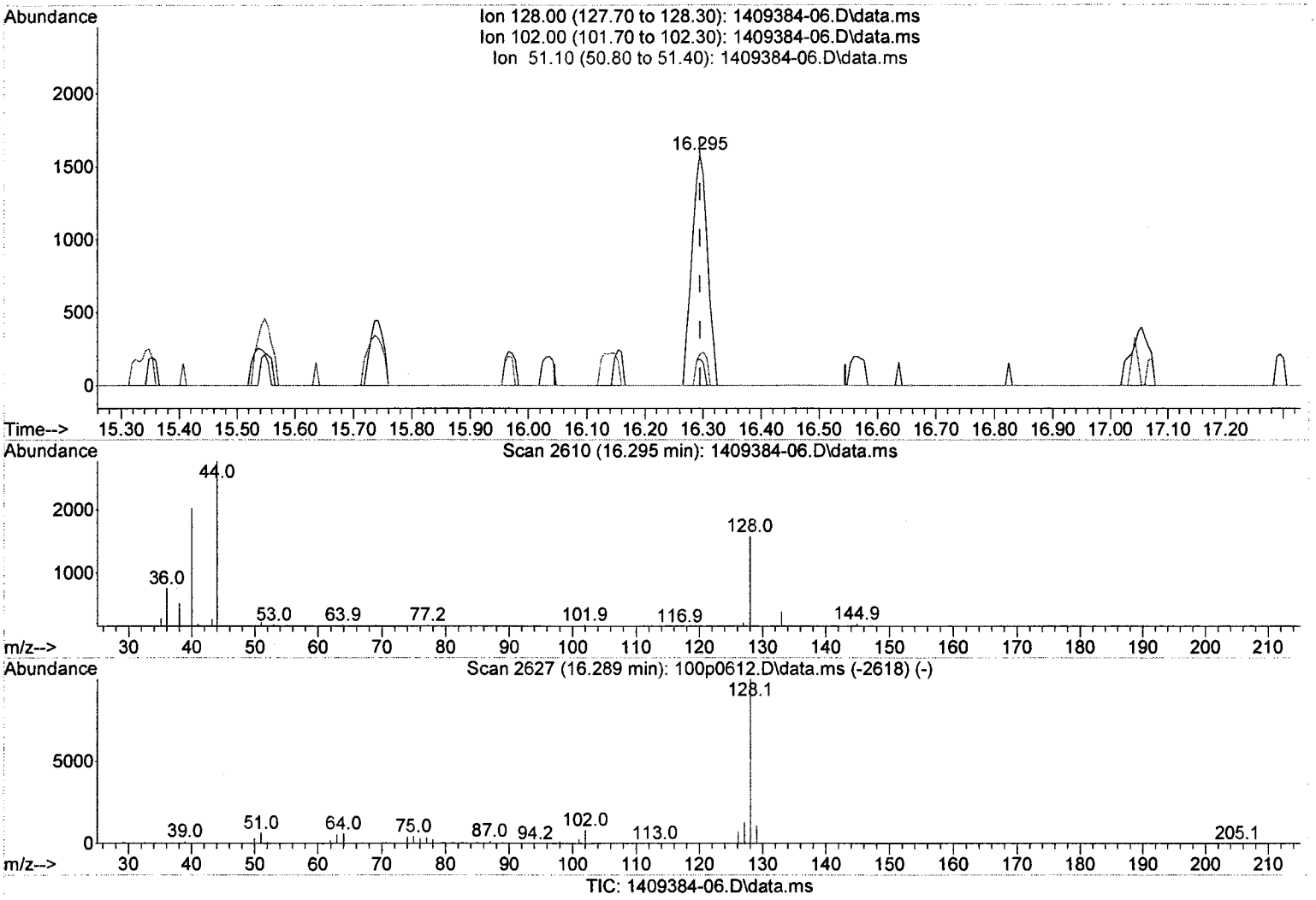
13.130min (+ 0.006) 0.63 ug/L

response 9174

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	30.97
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-06.D
Acq On : 30 Sep 2014 18:56
Operator : DLV
Sample : 1409384-06
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 07:18:22 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-06.D\data.ms

(87) naphthalene

16.295min (-0.000) 3.93 ug/L

response 2917

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	0.00
51.10	7.40	0.00
0.00	0.00	0.00

000383

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB25-45

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-07 File ID: 1409384-07.D

Sampled: 09/22/14 14:25 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 19:20

Solids: 89.20 Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.6	4.7	5.6	5.6	U
71-43-2	Benzene	1	0.56	0.18	0.56	1.1	U
108-86-1	Bromobenzene	1	0.56	0.15	0.56	1.1	U
74-97-5	Bromochloromethane	1	0.56	0.16	0.56	1.1	U
75-27-4	Bromodichloromethane	1	0.56	0.20	0.56	1.1	U
75-25-2	Bromoform	1	0.56	0.40	0.56	1.1	U
74-83-9	Bromomethane	1	0.56	0.37	0.56	1.1	U
104-51-8	n-Butylbenzene	1	0.56	0.29	0.56	1.1	U
135-98-8	sec-Butylbenzene	1	0.56	0.24	0.56	1.1	U
98-06-6	tert-Butylbenzene	1	0.56	0.19	0.56	1.1	U
75-15-0	Carbon Disulfide	1	0.56	0.26	0.56	1.1	U
56-23-5	Carbon Tetrachloride	1	0.56	0.37	0.56	1.1	U
108-90-7	Chlorobenzene	1	0.20	0.17	0.56	1.1	J
75-00-3	Chloroethane	1	1.1	0.56	1.1	1.1	U
67-66-3	Chloroform	1	0.56	0.16	0.56	1.1	U
74-87-3	Chloromethane	1	0.56	0.29	0.56	1.1	U
95-49-8	2-Chlorotoluene	1	0.56	0.33	0.56	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.66	1.1	5.6	U
124-48-1	Dibromochloromethane	1	0.56	0.21	0.56	1.1	U
106-93-4	1,2-Dibromoethane	1	0.56	0.17	0.56	1.1	U
74-95-3	Dibromomethane	1	0.56	0.25	0.56	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.56	0.16	0.56	1.1	U
75-34-3	1,1-Dichloroethane	1	0.56	0.24	0.56	1.1	U
107-06-2	1,2-Dichloroethane	1	0.56	0.25	0.56	1.1	U
75-35-4	1,1-Dichloroethene	1	0.56	0.34	0.56	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.56	0.25	0.56	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.56	0.30	0.56	1.1	U
78-87-5	1,2-Dichloropropane	1	0.56	0.19	0.56	1.1	U
142-28-9	1,3-Dichloropropane	1	0.56	0.16	0.56	1.1	U
594-20-7	2,2-Dichloropropane	1	0.56	0.26	0.56	1.1	U
563-58-6	1,1-Dichloropropene	1	0.56	0.31	0.56	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.13	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.56	0.14	0.56	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB25-45

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-07 File ID: 1409384-07.D

Sampled: 09/22/14 14:25 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 19:20

Solids: 89.20 Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	5.9	0.21	0.56	1.1	
87-68-3	Hexachlorobutadiene	1	0.56	0.23	0.56	1.1	U
591-78-6	2-Hexanone	1	0.56	0.54	0.56	5.6	U
98-82-8	Isopropylbenzene	1	0.22	0.13	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.56	0.27	0.56	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.52	1.1	5.6	U
78-93-3	2-Butanone (MEK)	1	5.6	1.2	5.6	5.6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.56	0.43	0.56	5.6	U
91-20-3	Naphthalene	1	0.56	0.18	0.56	5.6	U
103-65-1	n-Propylbenzene	1	0.56	0.13	0.56	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.56	0.17	0.56	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.56	0.16	0.56	1.1	U
127-18-4	Tetrachloroethene	1	0.56	0.19	0.56	1.1	U
108-88-3	Toluene	1	11	0.11	0.22	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.56	0.32	0.56	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.56	0.19	0.56	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.56	0.16	0.56	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.56	0.24	0.56	1.1	U
79-01-6	Trichloroethene	1	0.56	0.27	0.56	1.1	U
75-69-4	Trichlorofluoromethane	1	0.56	0.19	0.56	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.56	0.26	0.56	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.56	0.13	0.56	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.56	0.22	0.56	1.1	U
75-01-4	Vinyl Chloride	1	0.56	0.22	0.56	1.1	U
179601-23-1	Xylene, Meta + Para	1	24	0.16	0.45	2.2	
95-47-6	Xylene, Ortho	1	5.1	0.12	0.22	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.0	103	78 - 119	
1,2-Dichloroethane-d4	40.0	43.5	109	71 - 136	
Toluene-d8	40.0	39.5	99	85 - 116	
4-Bromofluorobenzene	40.0	41.2	103	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	475459	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB25-45

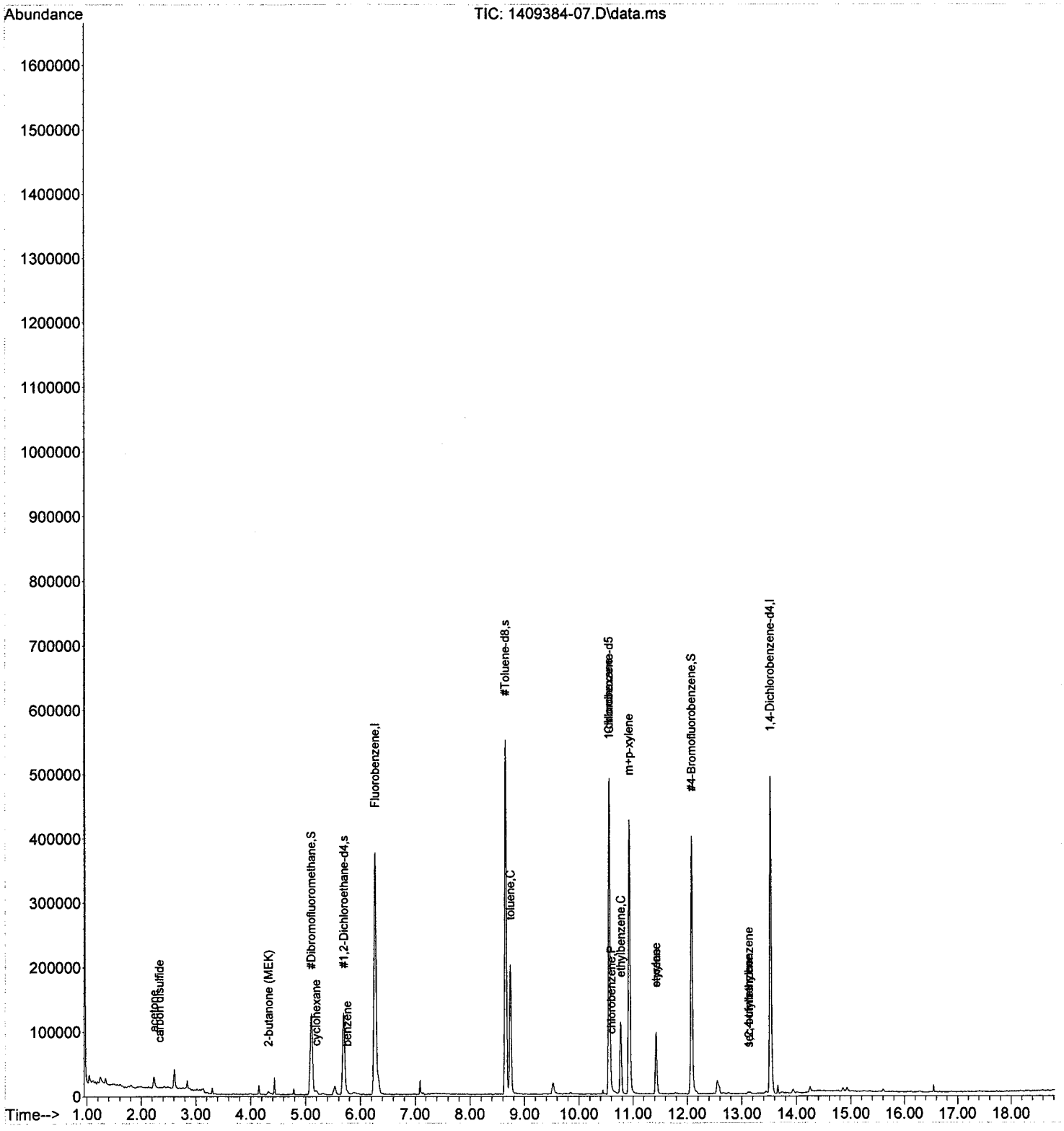
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409384-07
File ID: 1409384-07.D
Sampled: 09/22/14 14:25
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 19:20
Solids: 89.20
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	334997	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	171015	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-07.D
Acq On : 30 Sep 2014 19:20
Operator : DLV
Sample : 1409384-07
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 07:18:25 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000387

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-07.D
Acq On : 30 Sep 2014 19:20
Operator : DLV
Sample : 1409384-07
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 07:18:25 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	475459	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	334997	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	171015	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	122703	41.04	ug/L	0.00
Spiked Amount 40.000			Recovery = 102.60%			
37) #1,2-Dichloroethane-d4	5.695	67	74148	43.48	ug/L	0.00
Spiked Amount 40.000			Recovery = 108.70%			
46) #Toluene-d8	8.654	98	456028	39.50	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.75%			
64) #4-Bromofluorobenzene	12.083	95	172938	41.18	ug/L	0.00
Spiked Amount 40.000			Recovery = 102.95%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	25345	2.10	ug/L	94
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.337	76	1575	0.14	ug/L #	74
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	16321	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	8016	0.72	ug/L	85
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	5.195	56	1916	0.27	ug/L #	18
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	5.760	78	2308	0.14	ug/L #	65
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

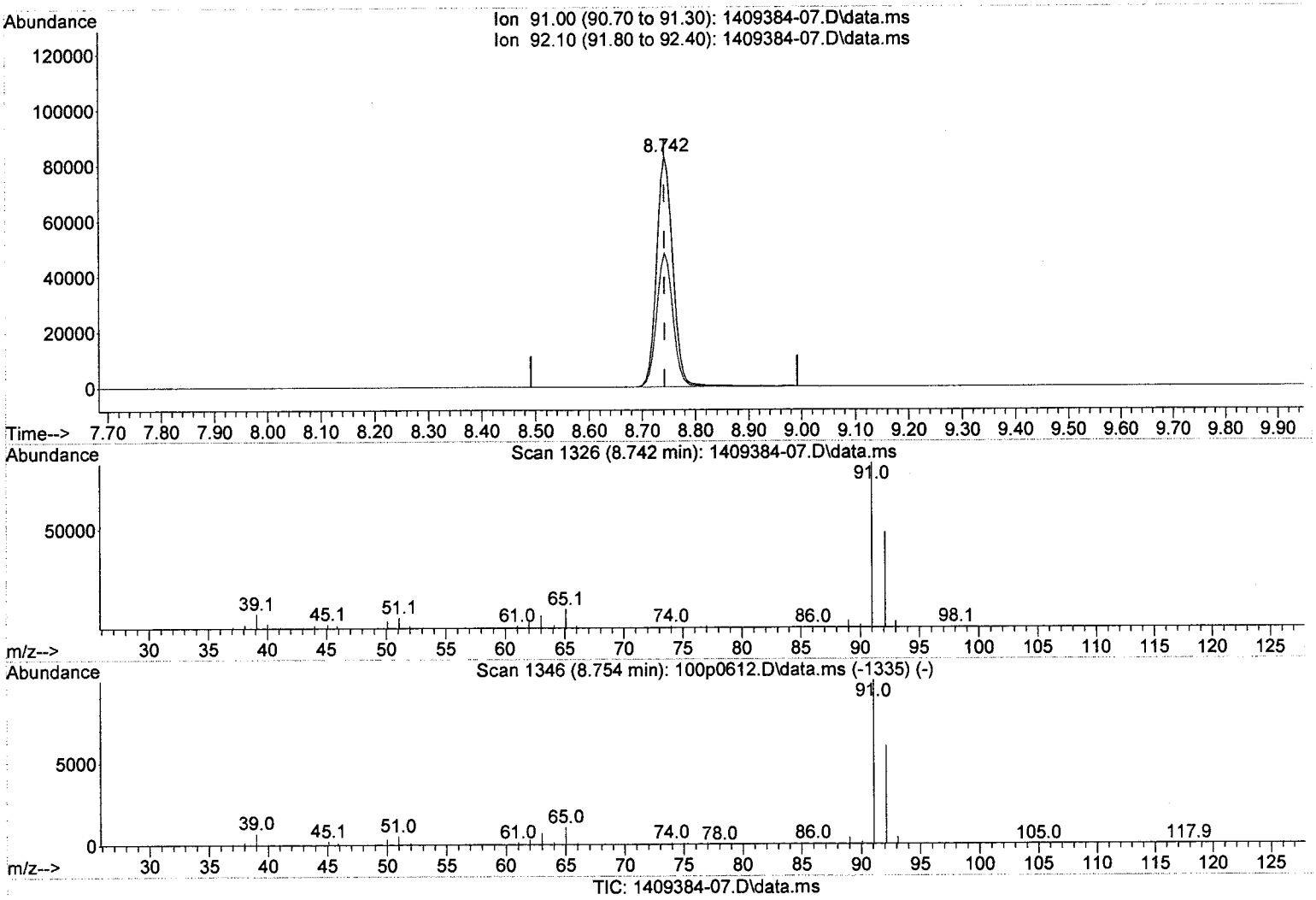
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-07.D
Acq On : 30 Sep 2014 19:20
Operator : DLV
Sample : 1409384-07
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 07:18:25 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	177607	✓ 10.16 ug/L	100
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	10.601	112	2067	✓ 0.18 ug/L #	27
57) 1-chlorohexane	10.560	55	2906	0.66 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.777	91	101644	✓ 5.22 ug/L	97
60) m+p-xylene	10.930	106	153486	✓ 21.06 ug/L	99
61) o-xylene	11.430	106	31263	✓ 4.51 ug/L	100
62) styrene	11.430	104	2351	ns ~~0.20~~ ug/L #	1
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.136	105	1848	ps ~~0.12~~ ug/L #	32
77) sec-butylbenzene	13.136	105	1693	0.08 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-07.D
Acq On : 30 Sep 2014 19:20
Operator : DLV
Sample : 1409384-07
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 07:18:25 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-07.D\data.ms

(47) toluene (C)

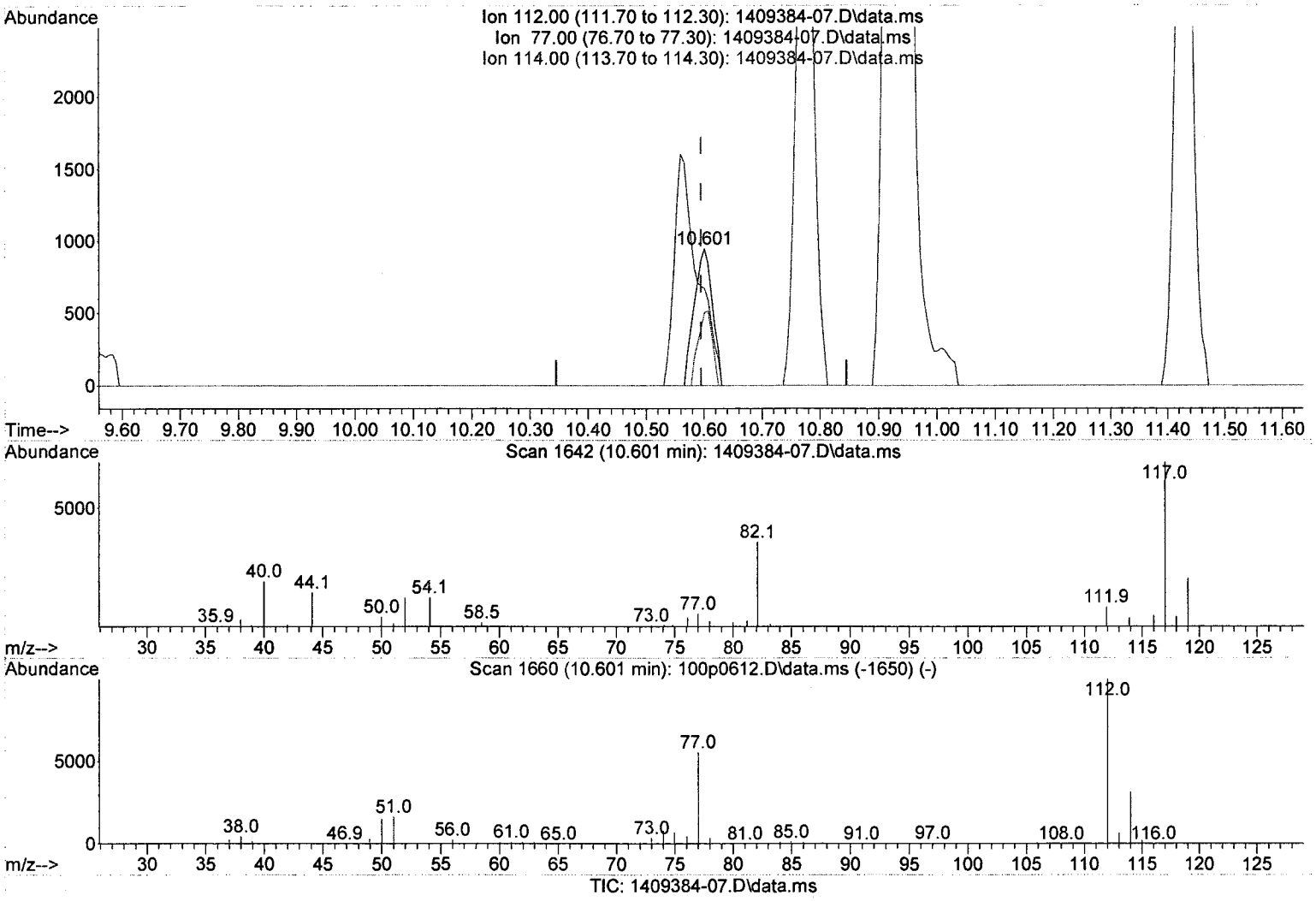
8.742min (+ 0.000) 10.16 ug/L

response 177607

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	57.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-07.D
Acq On : 30 Sep 2014 19:20
Operator : DLV
Sample : 1409384-07
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 07:18:25 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-07.D\data.ms

(56) chlorobenzene (P)

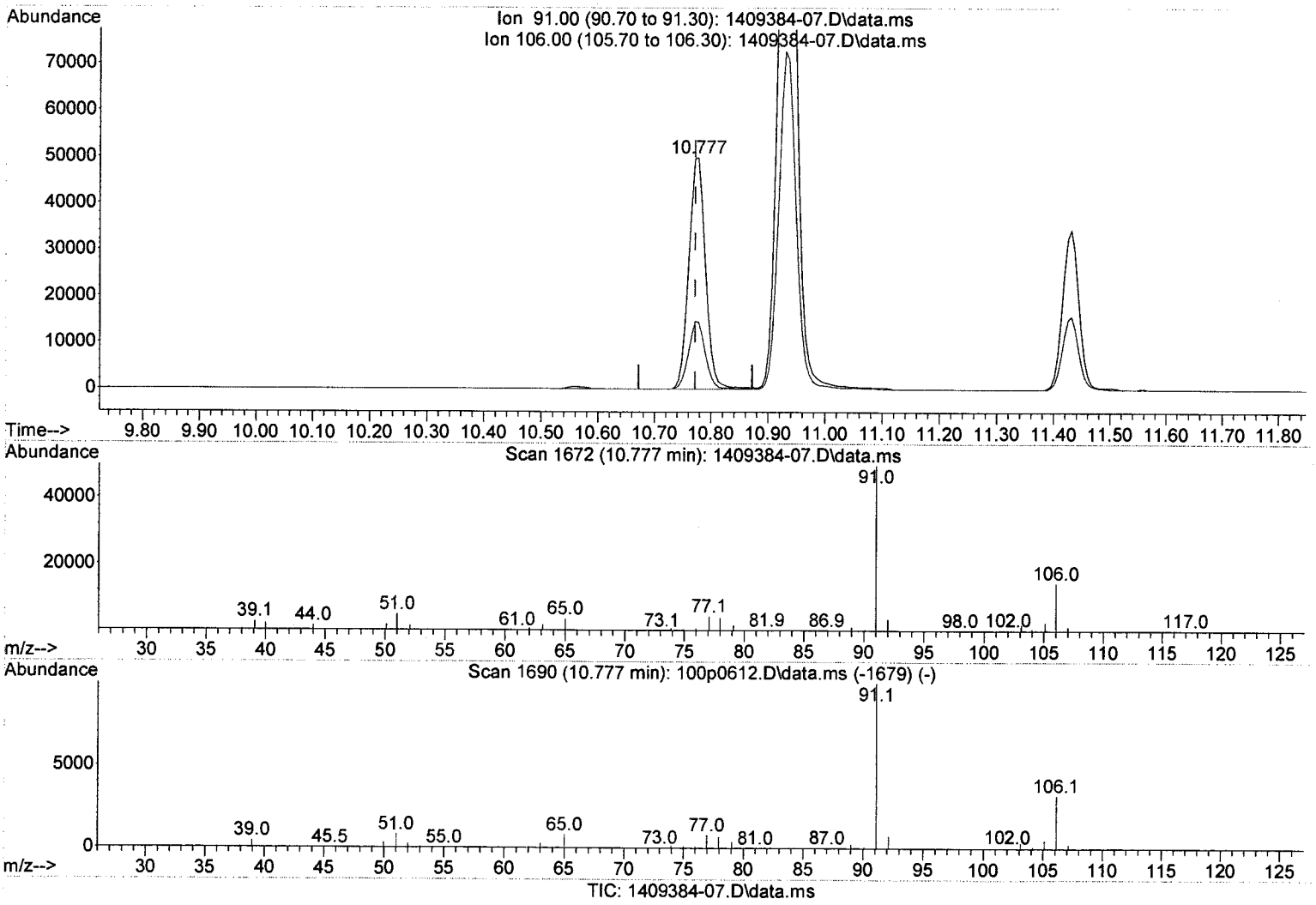
10.601min (+ 0.006) 0.18 ug/L

response 2067

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-07.D
Acq On : 30 Sep 2014 19:20
Operator : DLV
Sample : 1409384-07
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 07:18:25 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-07.D\data.ms

(59) ethylbenzene (C)

10.777min (+ 0.005) 5.22 ug/L

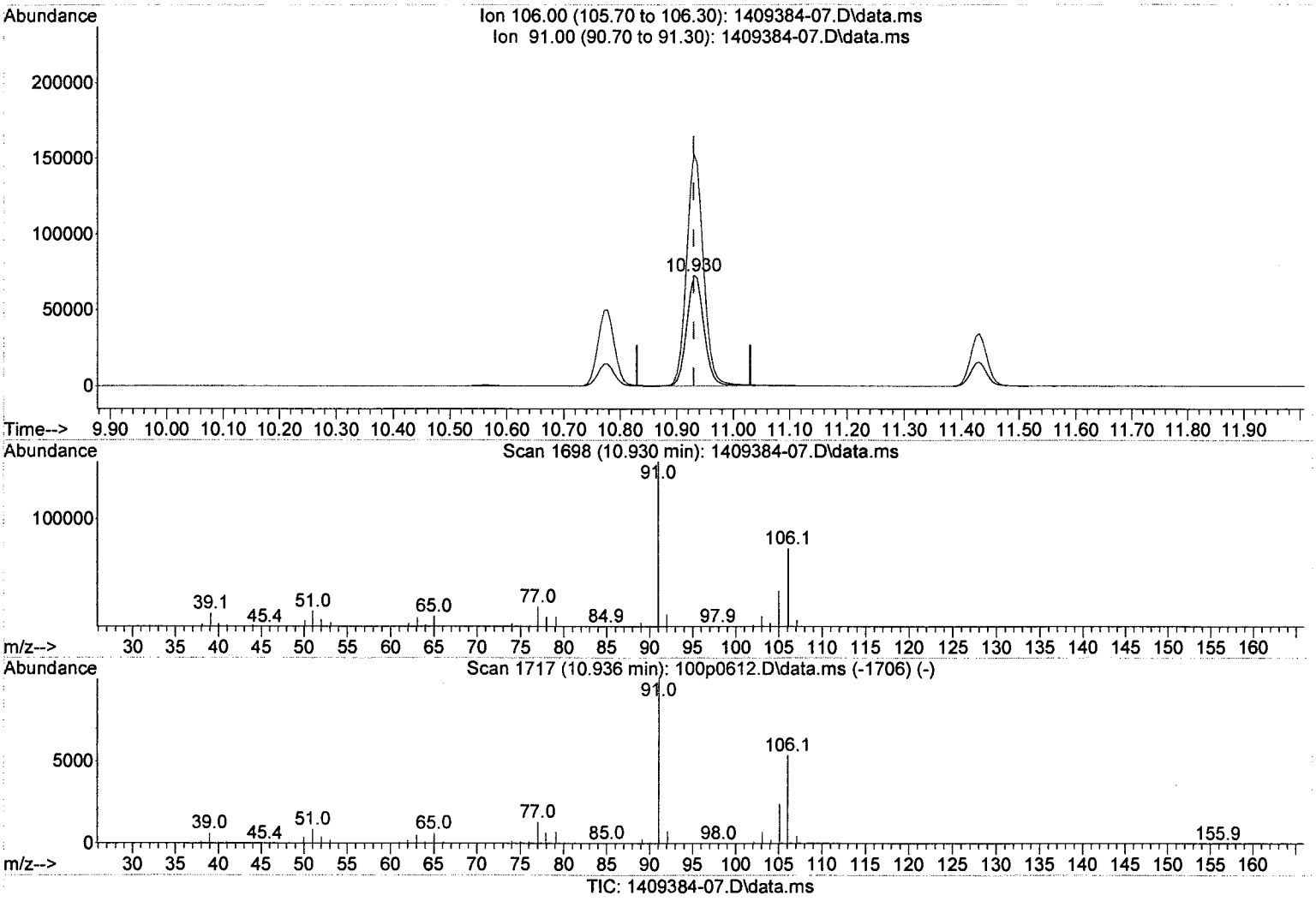
response 101644

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	29.32
0.00	0.00	0.00
0.00	0.00	0.00

000352

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-07.D
Acq On : 30 Sep 2014 19:20
Operator : DLV
Sample : 1409384-07
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 07:18:25 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-07.D\data.ms

(60) m+p-xylene

10.930min (+ 0.000) 21.06 ug/L

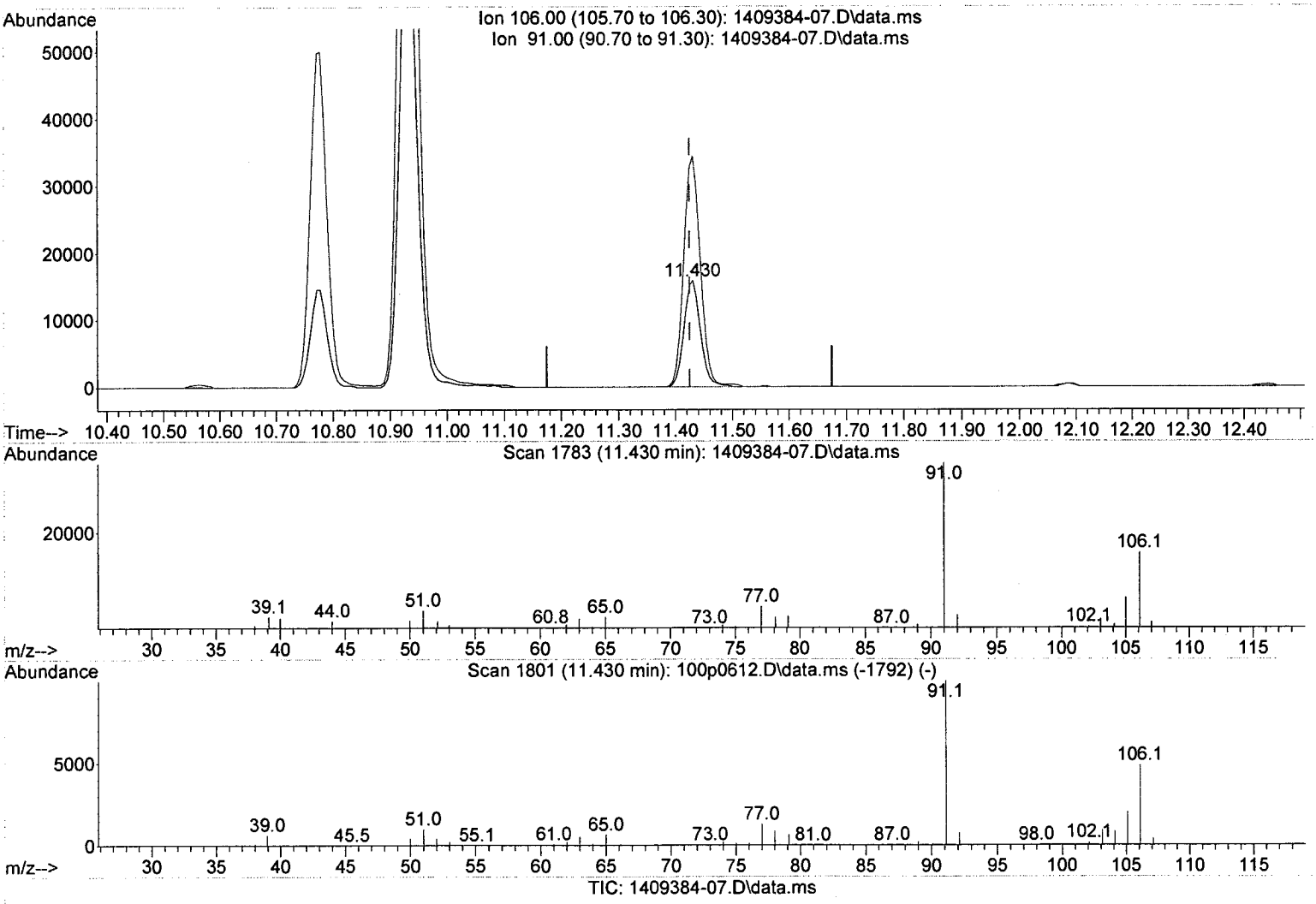
response 153486

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	205.45
0.00	0.00	0.00
0.00	0.00	0.00

000393

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-07.D
Acq On : 30 Sep 2014 19:20
Operator : DLV
Sample : 1409384-07
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 07:18:25 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-07.D\data.ms

(61) o-xylene

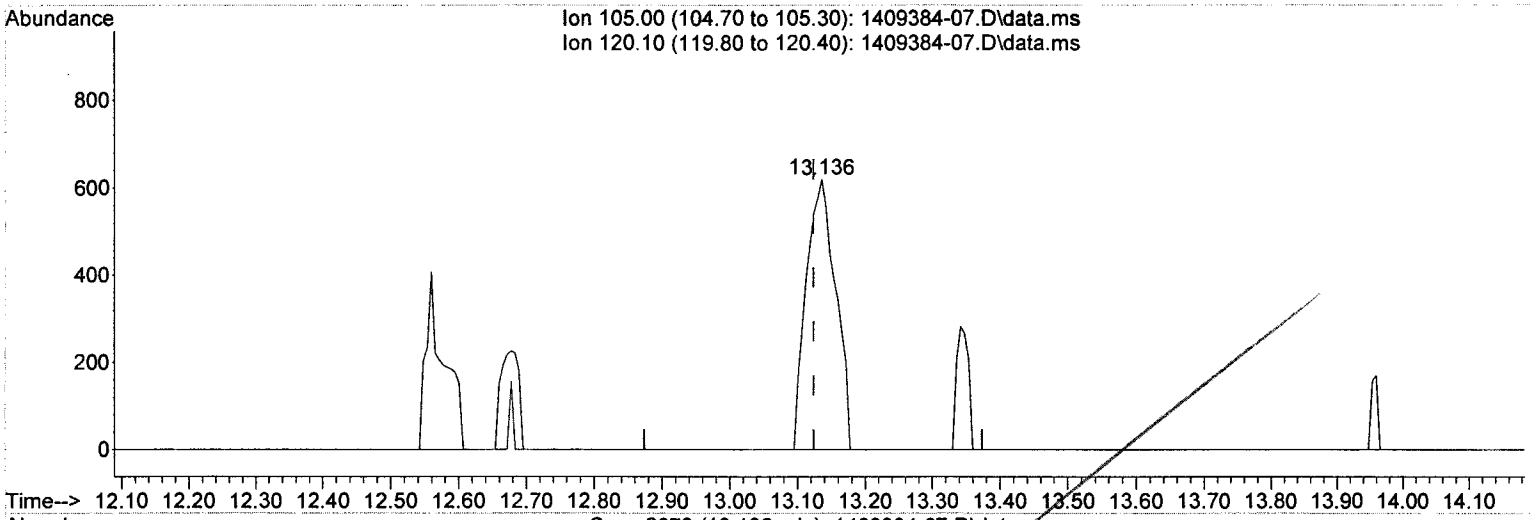
11.430min (+ 0.005) 4.51 ug/L

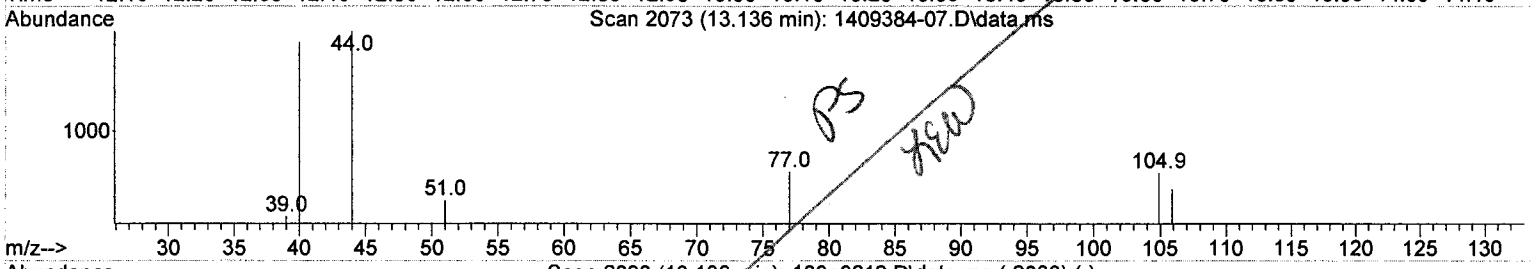
response 31263

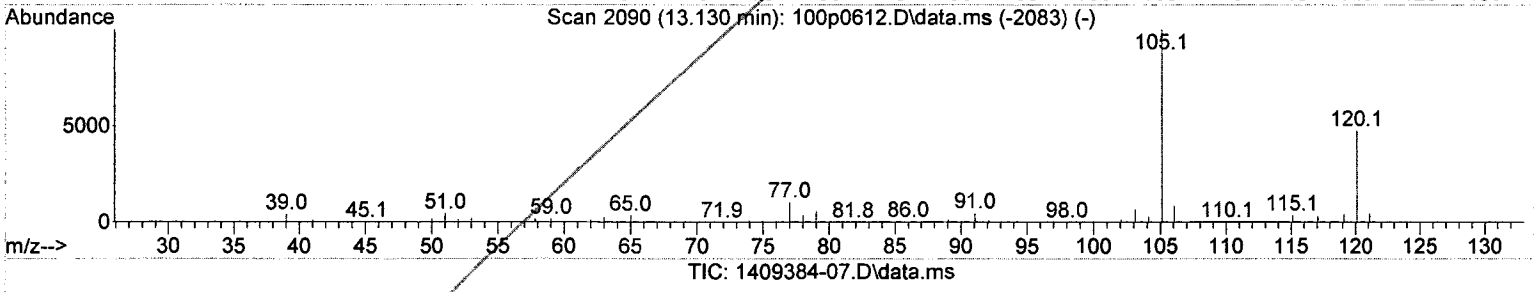
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	220.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-07.D
Acq On : 30 Sep 2014 19:20
Operator : DLV
Sample : 1409384-07
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 07:18:25 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-07.D\data.ms

(76) 1,2,4-trimethylbenzene

13.136min (+ 0.012) 0.12 ug/L

response 1848

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15GW25-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409384-08 File ID: 1409384-08.D

Sampled: 09/22/14 14:55 Prepared: 10/02/14 15:00 Analyzed: 10/02/14 22:29

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	9.8	1.6	5.0	5.0	
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15GW25-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409384-08 File ID: 1409384-08.D

Sampled: 09/22/14 14:55 Prepared: 10/02/14 15:00 Analyzed: 10/02/14 22:29

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.41	0.20	0.20	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.5	101	80 - 119	
1,2-Dichloroethane-d4	40.0	40.3	101	81 - 118	
Toluene-d8	40.0	39.0	97	89 - 112	
4-Bromofluorobenzene	40.0	37.0	92	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15GW25-01

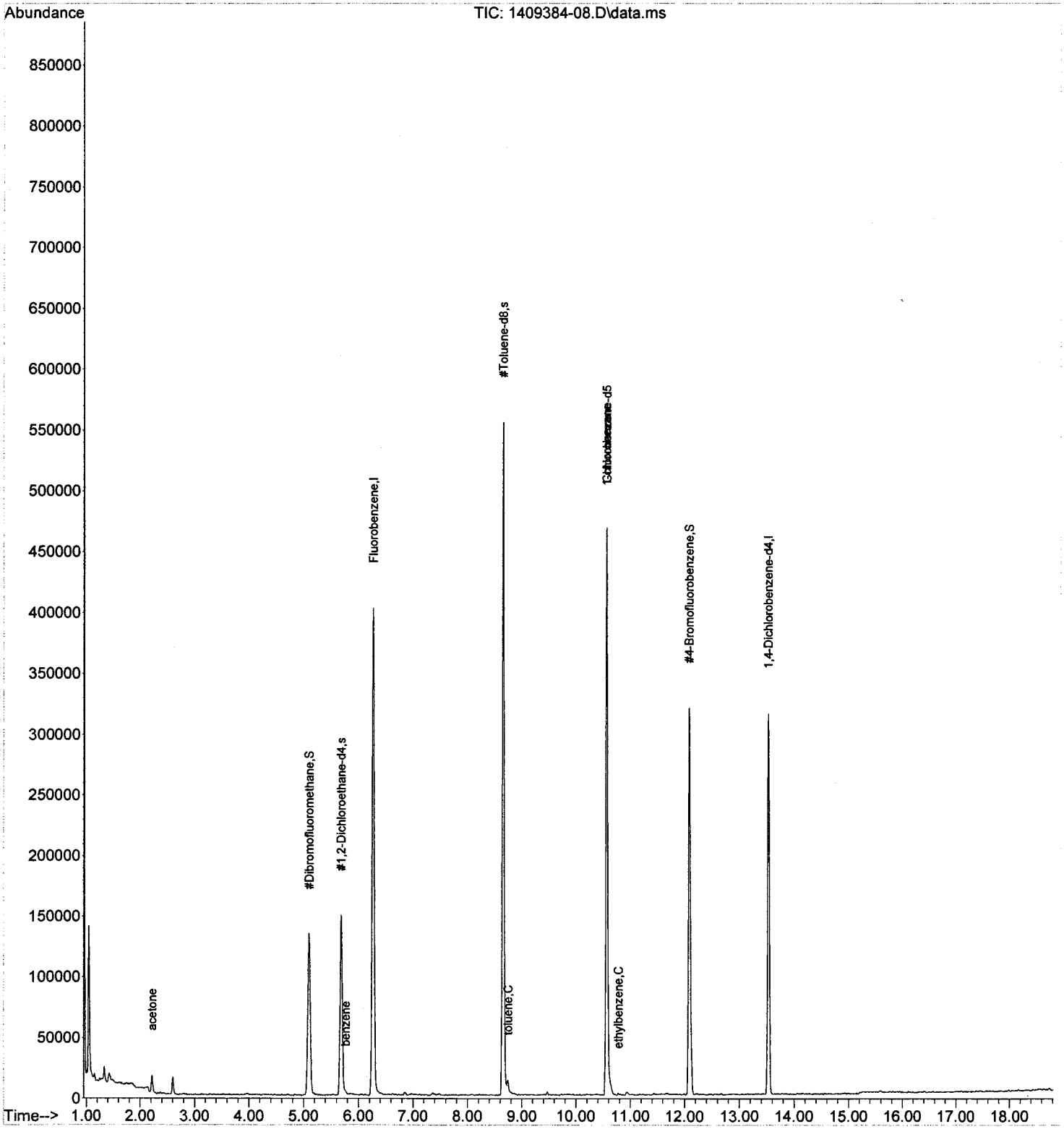
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409384-08
File ID: 1409384-08.D
Sampled: 09/22/14 14:55
Prepared: 10/02/14 15:00
Analyzed: 10/02/14 22:29
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	500408	6.266	523953	6.266	
Chlorobenzene-d5	339999	10.566	369199	10.56	
1,4-Dichlorobenzene-d4	110680	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-08.D
Acq On : 02 Oct 2014 22:29
Operator : DLV
Sample : 1409384-08
Misc : AECOM
ALS Vial : 34 Sample Multiplier: 1
Quant Time: Oct 04 11:42:42 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



000399

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-08.D
Acq On : 02 Oct 2014 22:29
Operator : DLV
Sample : 1409384-08
Misc : AECOM
ALS Vial : 34 Sample Multiplier: 1
Quant Time: Oct 04 11:42:42 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	500408	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	339999	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	110680	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	134035	40.47	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.18%			
37) #1,2-Dichloroethane-d4	5.684	67	82890	40.31	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.78%			
46) #Toluene-d8	8.654	98	475100	38.96	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.40%			
64) #4-Bromofluorobenzene	12.083	95	156702	36.99	ug/L	0.00
Spiked Amount 40.000			Recovery = 92.48%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	17690	9.84	ug/L	92
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.601	49	7857	Below Cal		96
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	5.766	78	1363	0.09	ug/L #	60
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	17555	No Calib	#	
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

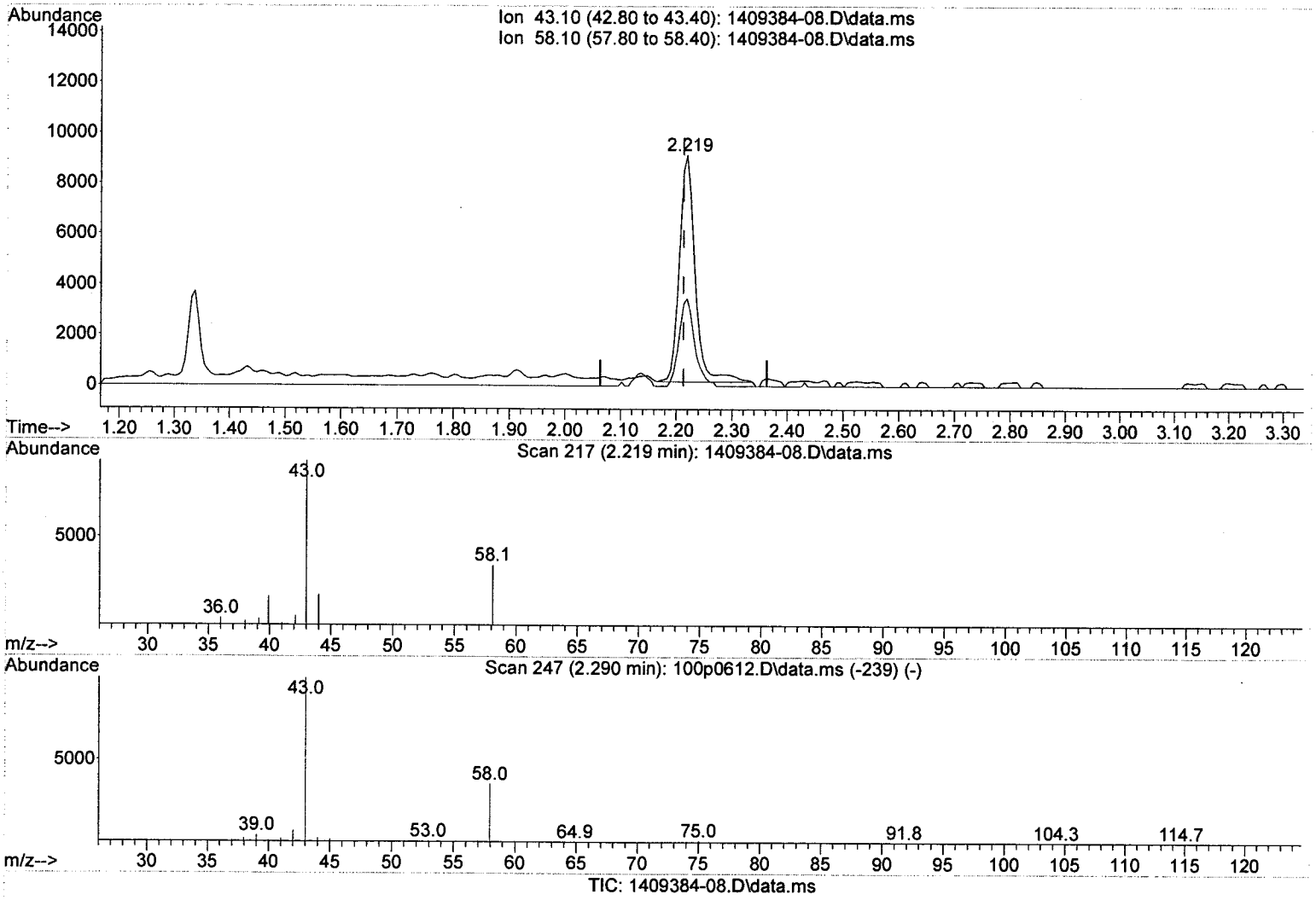
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-08.D
Acq On : 02 Oct 2014 22:29
Operator : DLV
Sample : 1409384-08
Misc : AECOM
ALS Vial : 34 Sample Multiplier: 1
Quant Time: Oct 04 11:42:42 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	6799	0.41 ug/L	89
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2730	0.80 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.777	91	1216	0.07 ug/L #	43
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-08.D
Acq On : 02 Oct 2014 22:29
Operator : DLV
Sample : 1409384-08
Misc : AECOM
ALS Vial : 34 Sample Multiplier: 1
Quant Time: Oct 03 06:47:25 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409384-08.D\data.ms

(13) acetone

2.219min (+ 0.006) 9.84 ug/L

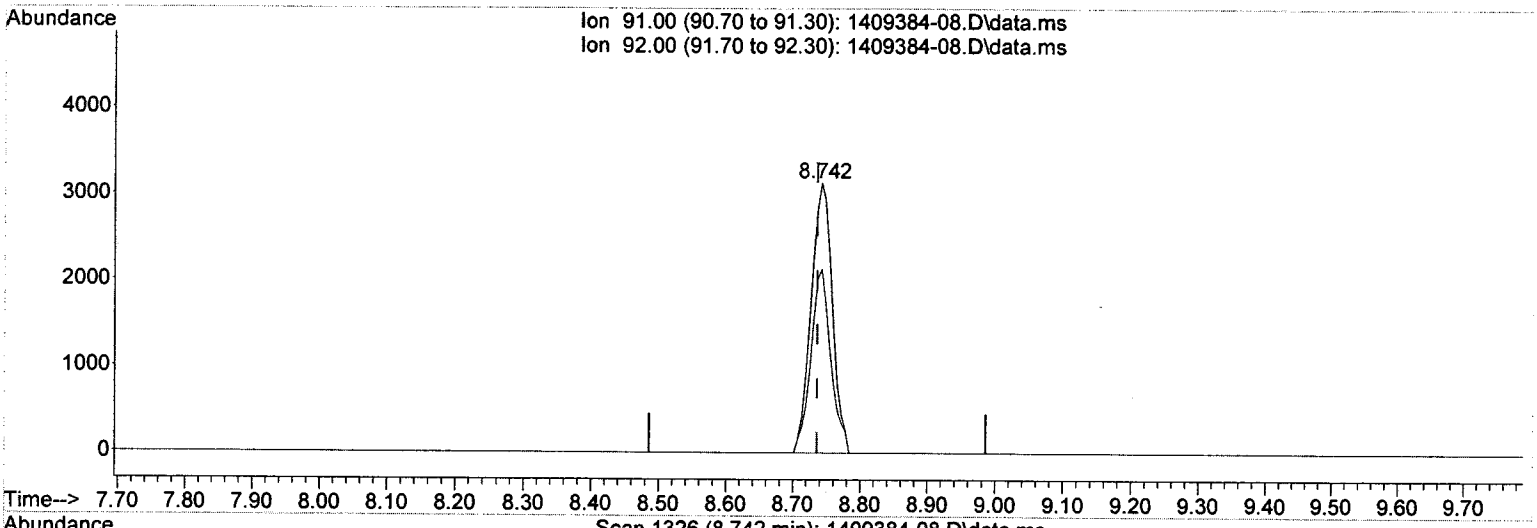
response 17690

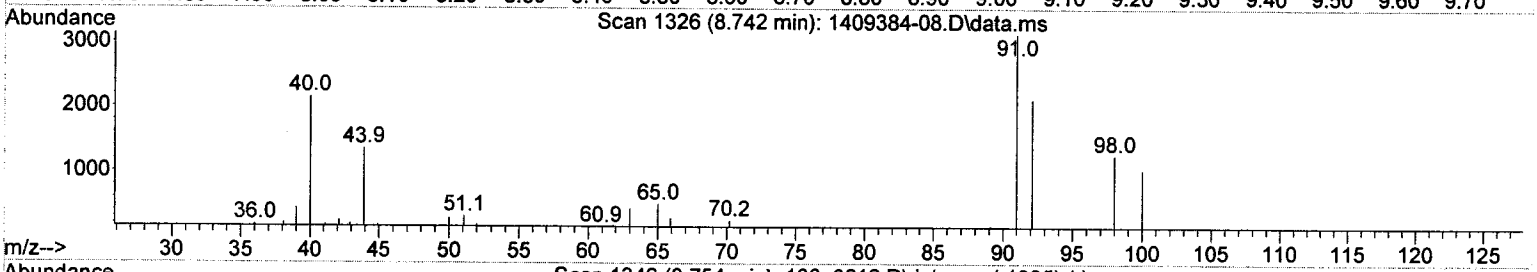
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	38.16
0.00	0.00	0.00
0.00	0.00	0.00

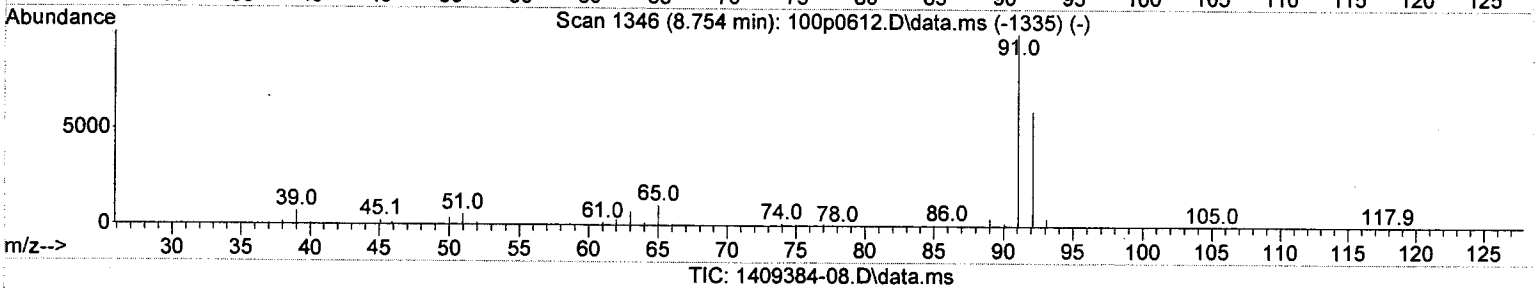
000402

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409384-08.D
Acq On : 02 Oct 2014 22:29
Operator : DLV
Sample : 1409384-08
Misc : AECOM
ALS Vial : 34 Sample Multiplier: 1
Quant Time: Oct 03 06:47:25 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1409384-08.D\data.ms

(47) toluene (C)

8.742min (+ 0.006) 0.41 ug/L

response 6799

Ion	Exp%	Act%
91.00	100.00	100.00
92.00	56.10	64.01
0.00	0.00	0.00
0.00	0.00	0.00

000403

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB26-10

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-09 File ID: 1409384-09.D

Sampled: 09/22/14 15:10 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 19:43

Solids: 96.42 Preparation: 5035A Low Concentratio Initial/Final: 4.8 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	15	4.4	5.2	5.2	
71-43-2	Benzene	1	0.52	0.17	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.52	0.24	0.52	1.0	U
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.18	0.16	0.52	1.0	J
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.26	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.097	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.24	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.24	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.13	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB26-10

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409384-09 File ID: 1409384-09.D

Sampled: 09/22/14 15:10 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 19:43

Solids: 96.42 Preparation: 5035A Low Concentratio Initial/Final: 4.8 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	4.6	0.19	0.52	1.0	
87-68-3	Hexachlorobutadiene	1	0.52	0.21	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.49	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	1.5	1.2	5.2	5.2	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	0.52	0.18	0.52	1.0	U
108-88-3	Toluene	1	8.5	0.10	0.21	1.0	
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.19	0.12	0.52	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	18	0.15	0.41	2.1	
95-47-6	Xylene, Ortho	1	4.1	0.12	0.21	1.0	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.7	104	78 - 119	
1,2-Dichloroethane-d4	40.0	43.5	109	71 - 136	
Toluene-d8	40.0	40.4	101	85 - 116	
4-Bromofluorobenzene	40.0	41.0	102	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	480205	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU15SB26-10

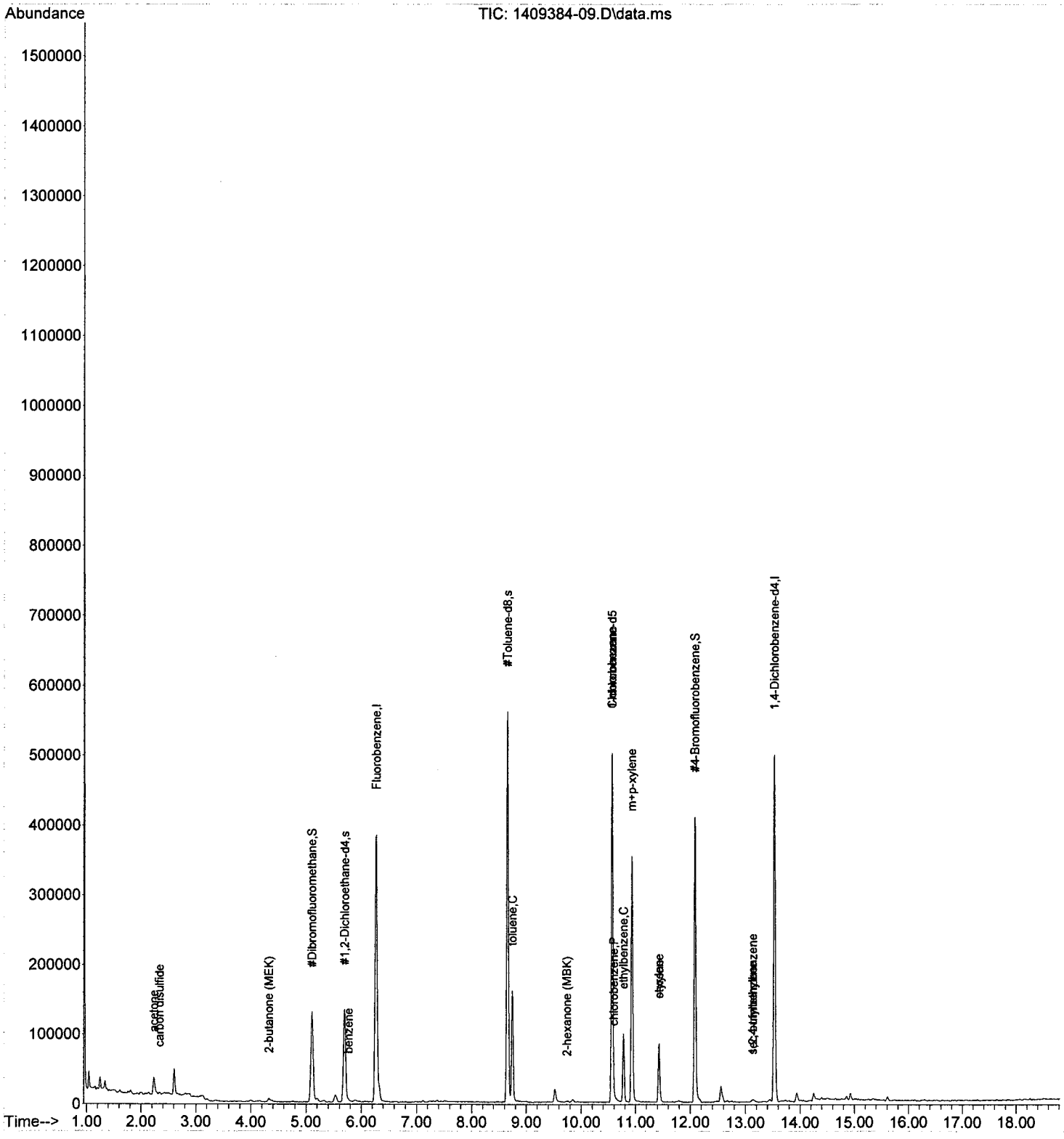
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409384-09
File ID: 1409384-09.D
Sampled: 09/22/14 15:10
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 19:43
Solids: 96.42
Preparation: 5035A Low Concentratio
Initial/Final: 4.8 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	342855	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	170666	13.53	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-09.D
Acq On : 30 Sep 2014 19:43
Operator : DLV
Sample : 1409384-09
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 07:18:28 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-09.D
Acq On : 30 Sep 2014 19:43
Operator : DLV
Sample : 1409384-09
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 07:18:28 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	480205	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	342855	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	170666	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	125880	41.69	ug/L	0.00
Spiked Amount 40.000			Recovery =	104.22%		
37) #1,2-Dichloroethane-d4	5.695	67	74992	43.54	ug/L	0.00
Spiked Amount 40.000			Recovery =	108.85%		
46) #Toluene-d8	8.654	98	470857	40.38	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.95%		
64) #4-Bromofluorobenzene	12.083	95	176119	40.98	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.45%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	39785	13.77	ug/L	98
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.337	76	2240	0.20	ug/L #	74
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	21330	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	9356	1.39	ug/L	94
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	5.766	78	1670	0.10	ug/L #	65
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-09.D
Acq On : 30 Sep 2014 19:43
Operator : DLV
Sample : 1409384-09
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 07:18:28 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

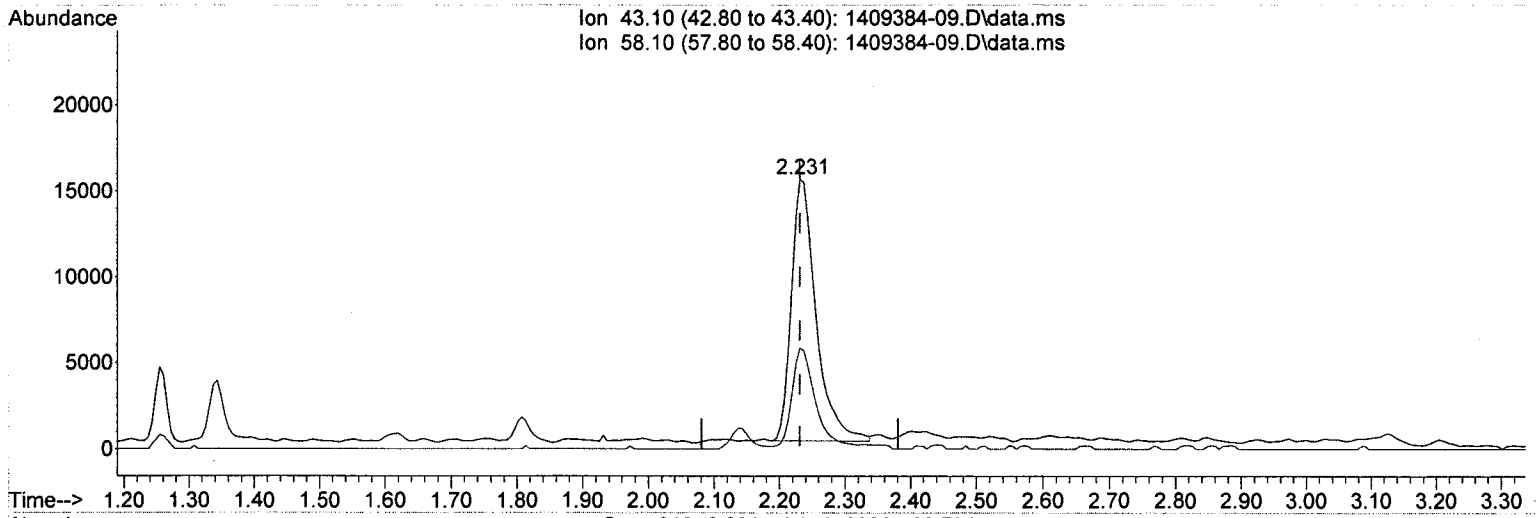
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	139428	7.90 ug/L	99
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.742	43	1572	0.55 ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	10.595	112	1992	0.17 ug/L #	27
57) 1-chlorohexane	10.566	55	2744	0.61 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	84090	4.22 ug/L	100
60) m+p-xylene	10.930	106	123287	16.53 ug/L	98
61) o-xylene	11.430	106	27076	3.82 ug/L	99
62) styrene	11.430	104	2405	0.20 ug/L #	1
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.136	105	2877	0.18 ug/L #	32
77) sec-butylbenzene	13.136	105	2743	0.13 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

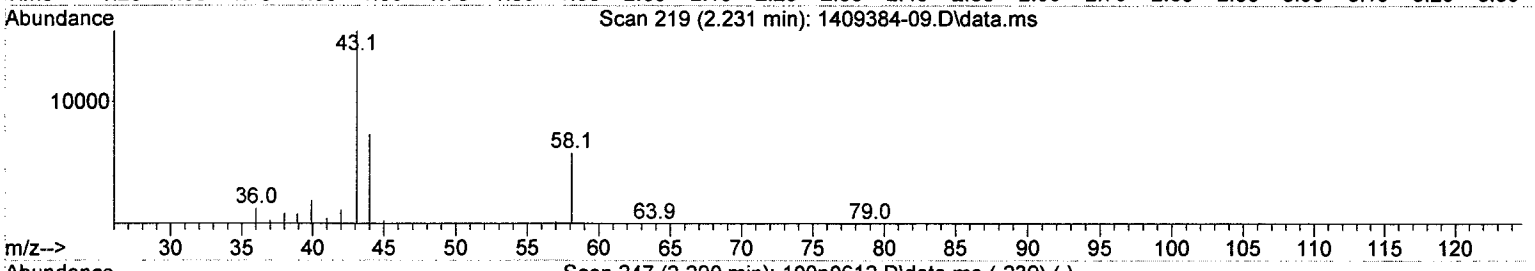
(#) = qualifier out of range (m) = manual integration (+) = signals summed

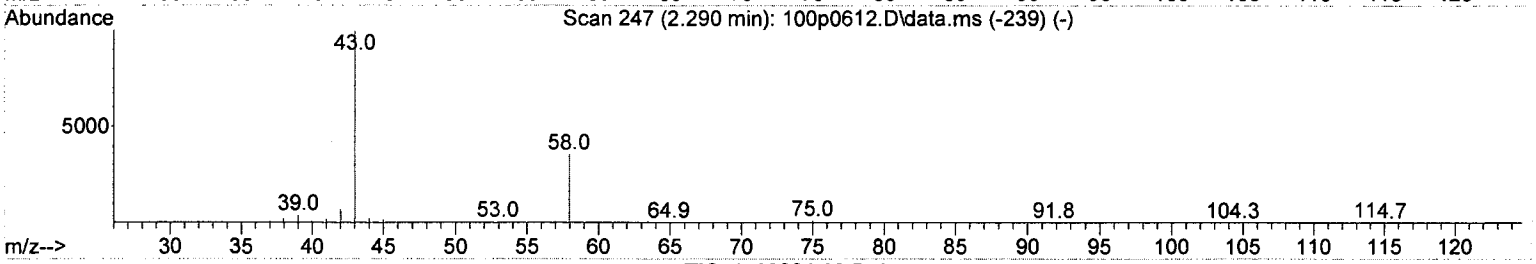
000409

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-09.D
Acq On : 30 Sep 2014 19:43
Operator : DLV
Sample : 1409384-09
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 07:18:28 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-09.D\data.ms

(13) acetone

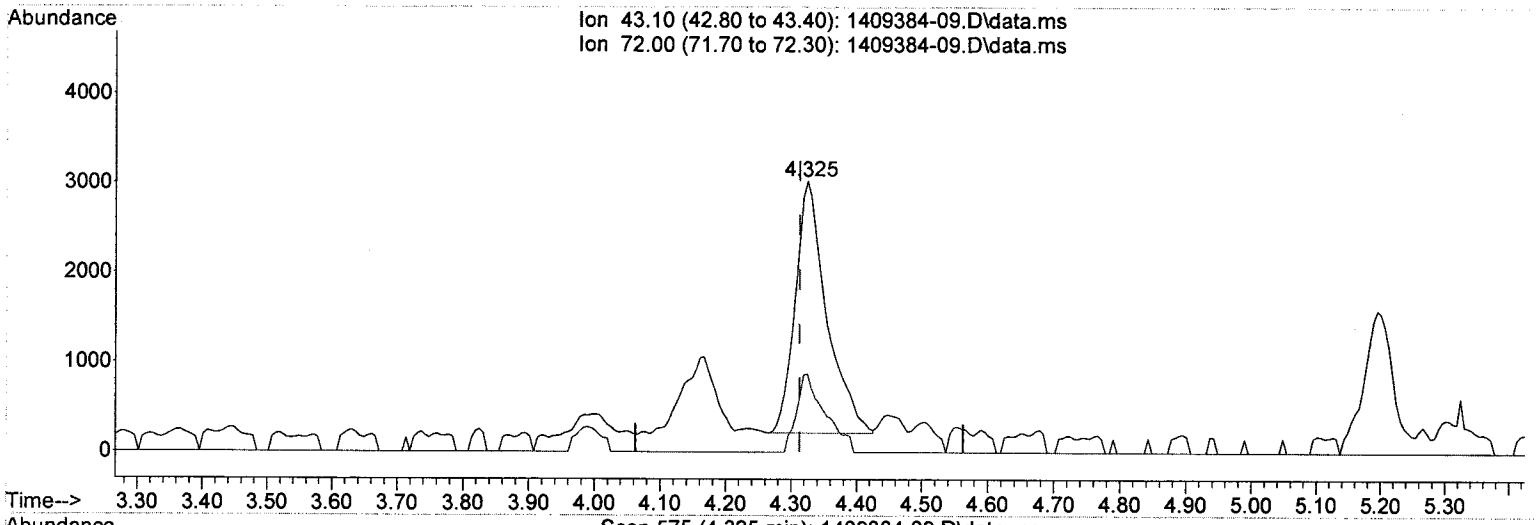
2.231min (-0.000) 13.77 ug/L

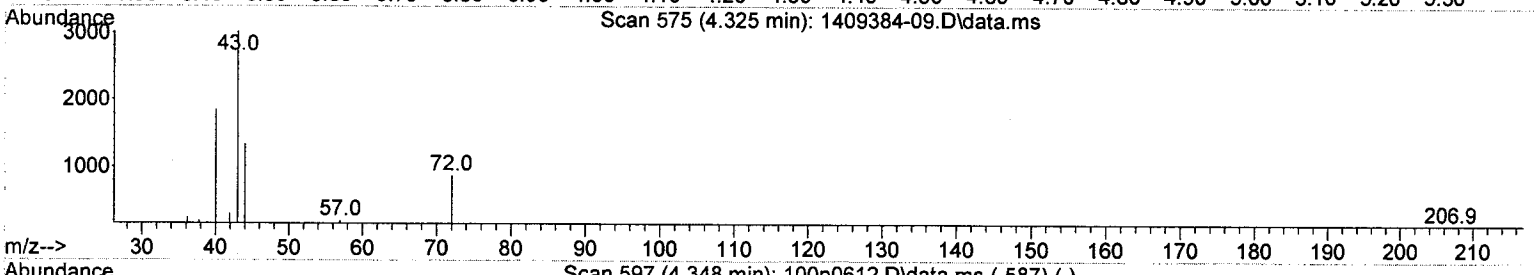
response 39785

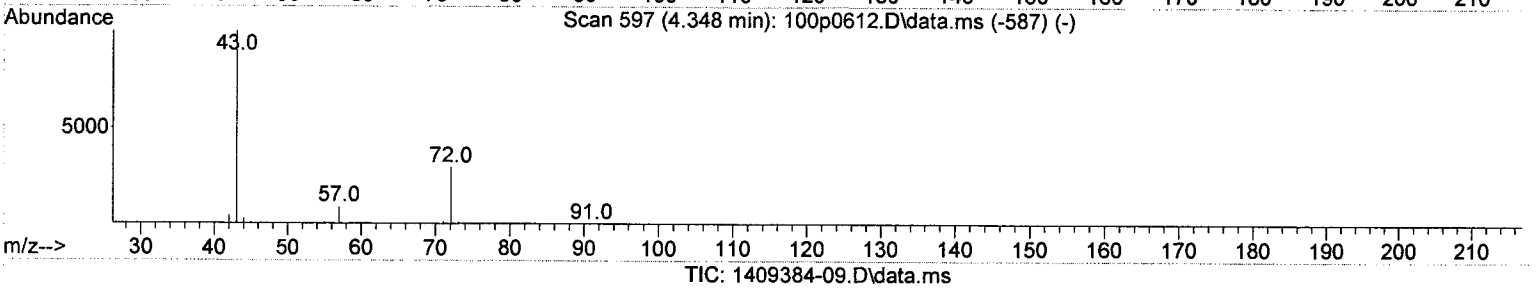
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	35.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-09.D
Acq On : 30 Sep 2014 19:43
Operator : DLV
Sample : 1409384-09
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 07:18:28 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-09.D\data.ms

(25) 2-butanone (MEK)

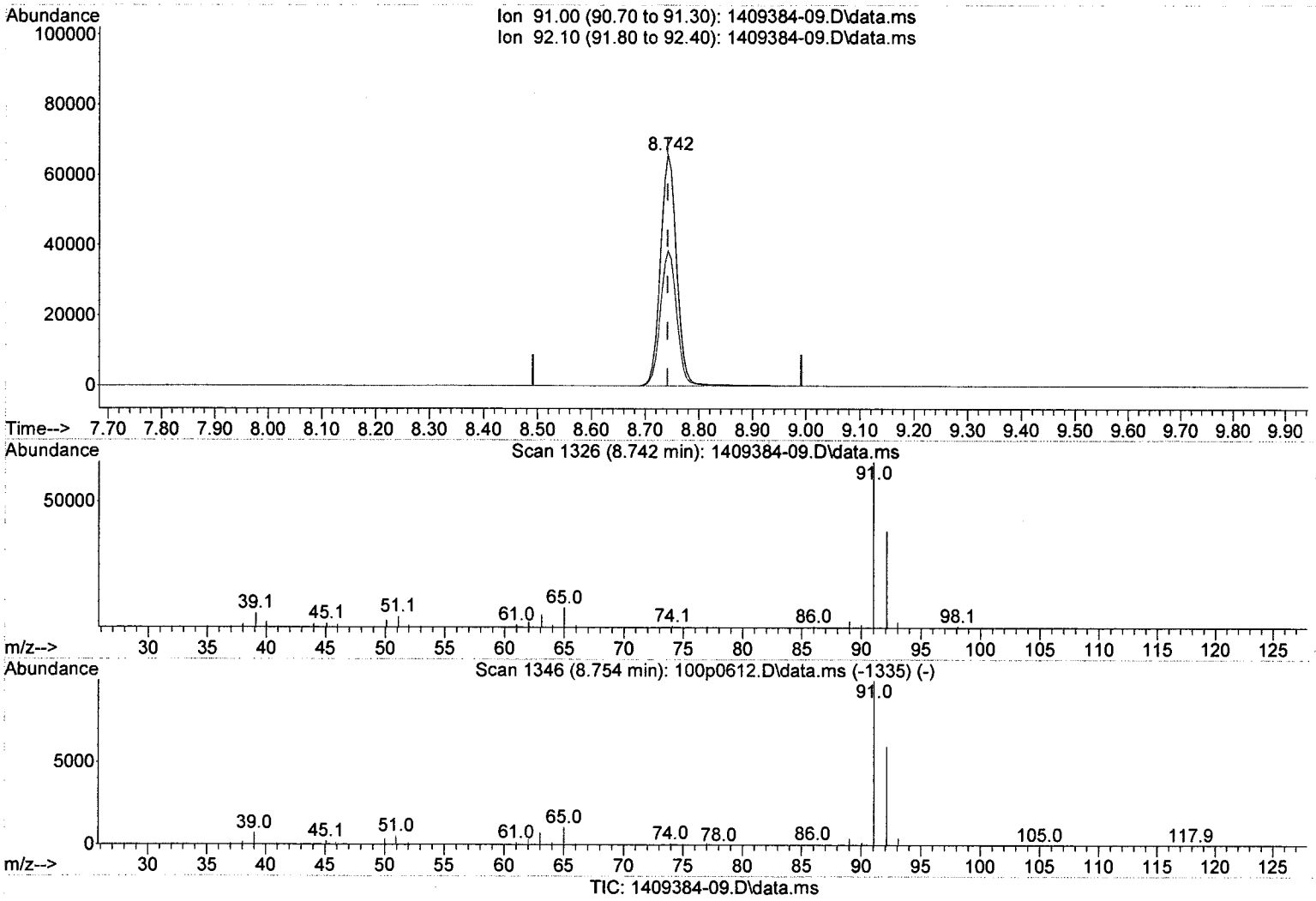
4.325min (+ 0.012) 1.39 ug/L

response 9356

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	28.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-09.D
Acq On : 30 Sep 2014 19:43
Operator : DLV
Sample : 1409384-09
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 07:18:28 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-09.D\data.ms

(47) toluene (C)

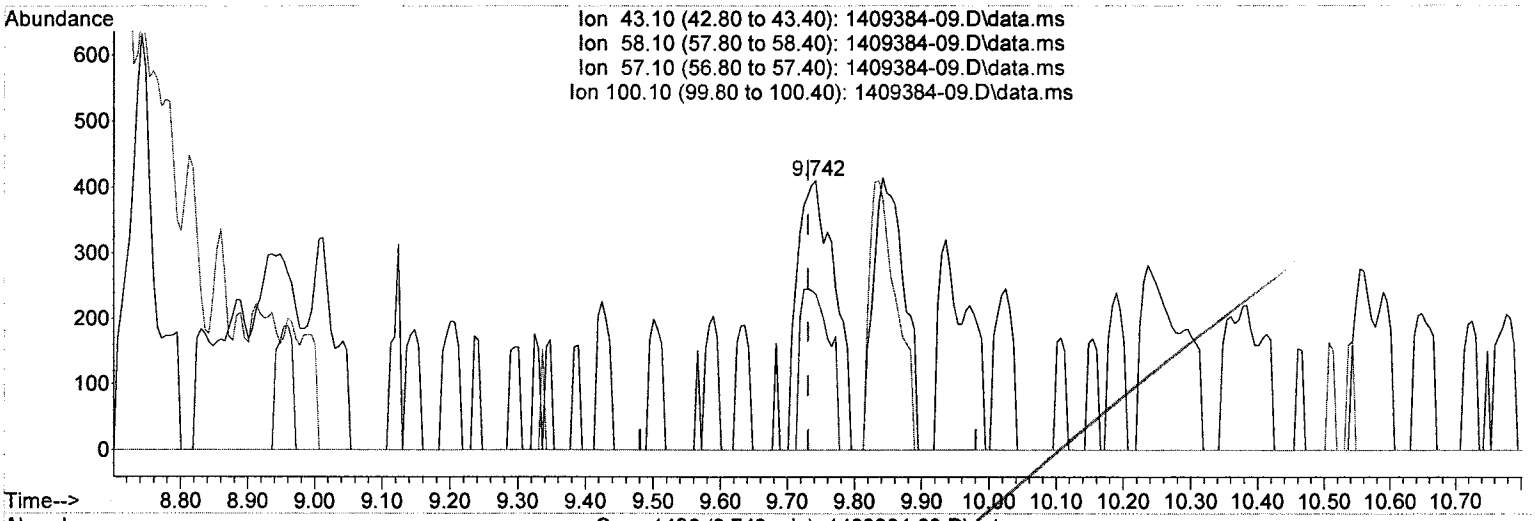
8.742min (+ 0.000) 7.90 ug/L

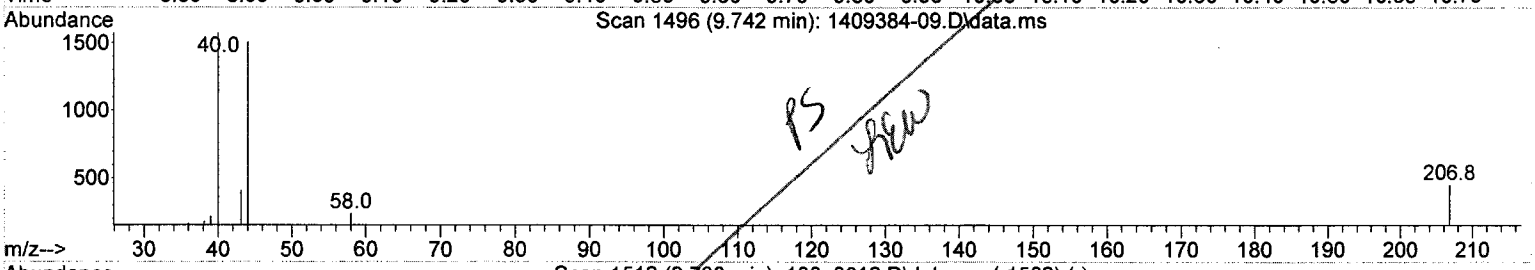
response 139428

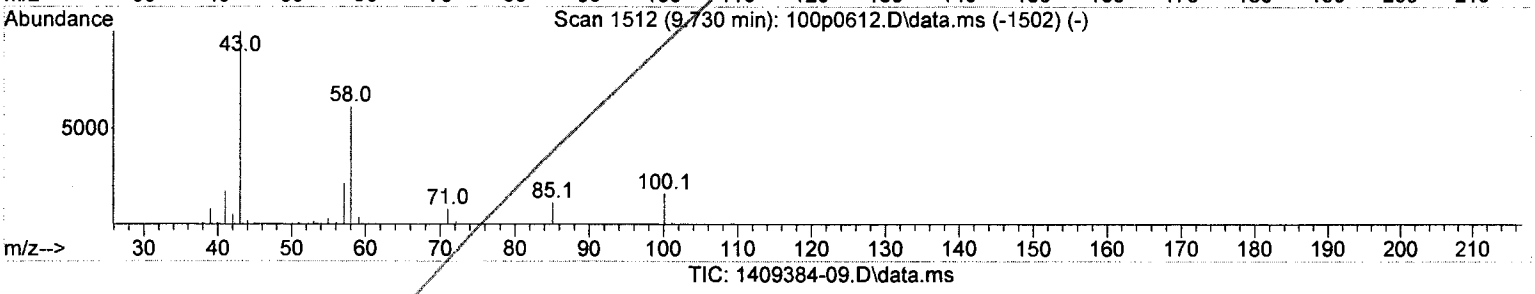
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	58.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-09.D
Acq On : 30 Sep 2014 19:43
Operator : DLV
Sample : 1409384-09
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 07:18:28 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-09.D\data.ms

PS FRW

(53) 2-hexanone (MBK)

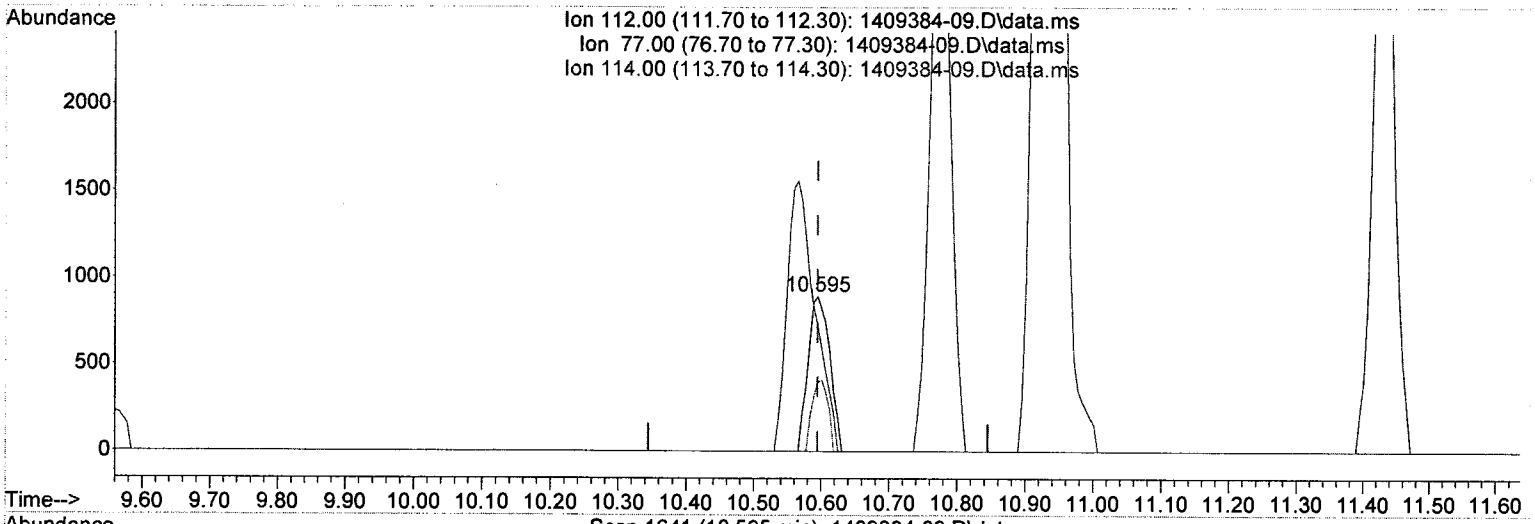
9.742min (+ 0.011) 0.55 ug/L

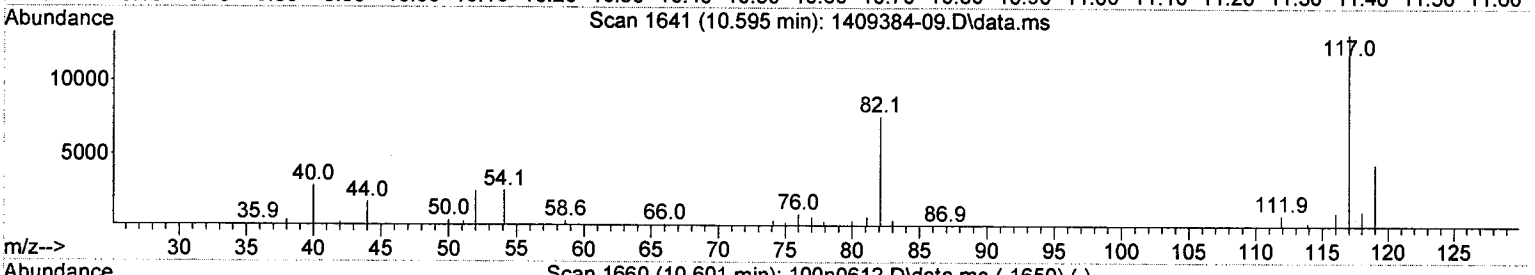
response 1572

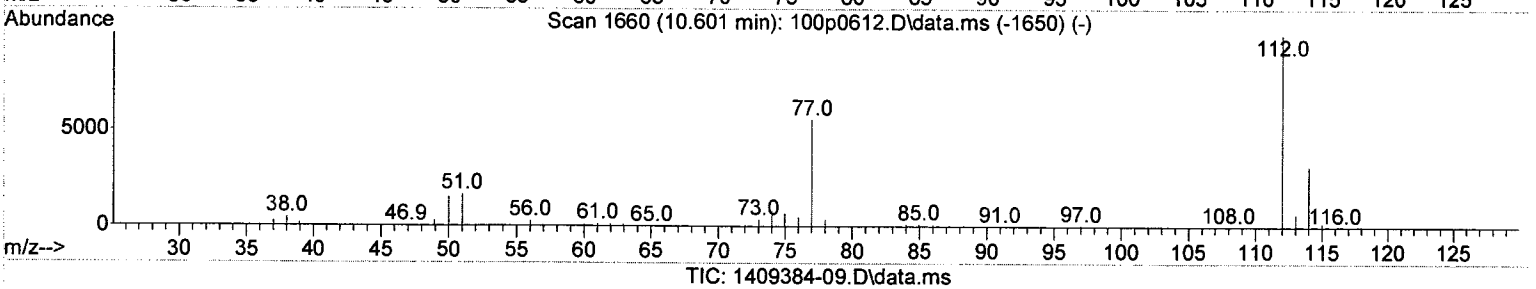
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	53.20	0.00#
57.10	18.90	0.00
100.10	10.50	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-09.D
Acq On : 30 Sep 2014 19:43
Operator : DLV
Sample : 1409384-09
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 07:18:28 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409384-09.D\data.ms

(56) chlorobenzene (P)

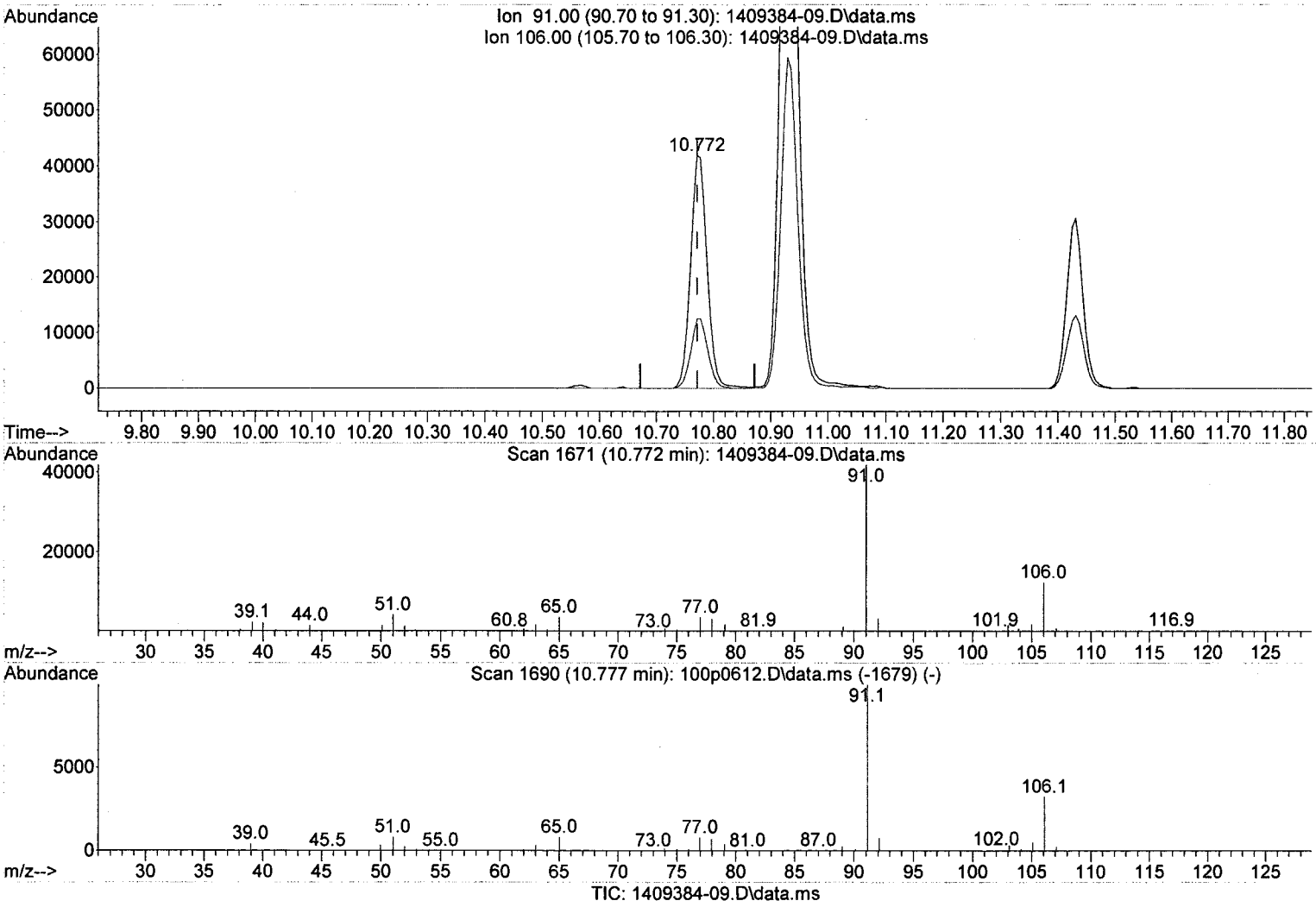
10.595min (+ 0.000) 0.17 ug/L

response 1992

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-09.D
Acq On : 30 Sep 2014 19:43
Operator : DLV
Sample : 1409384-09
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 07:18:28 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-09.D\data.ms

(59) ethylbenzene (C)

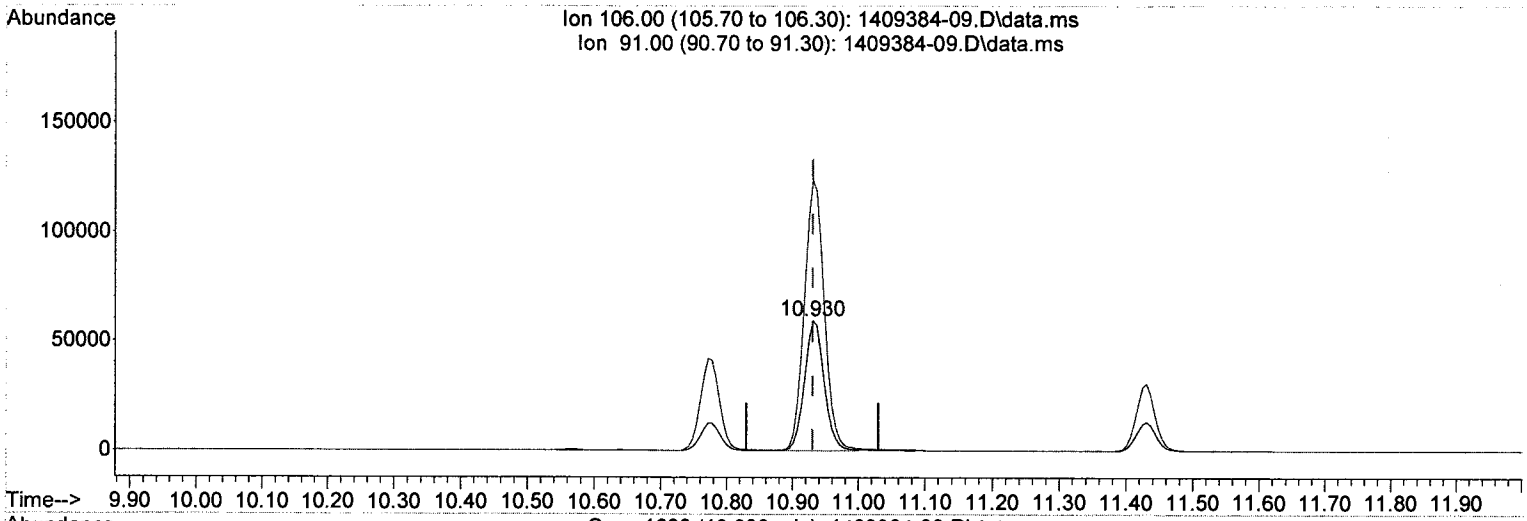
10.772min (-0.000) 4.22 ug/L

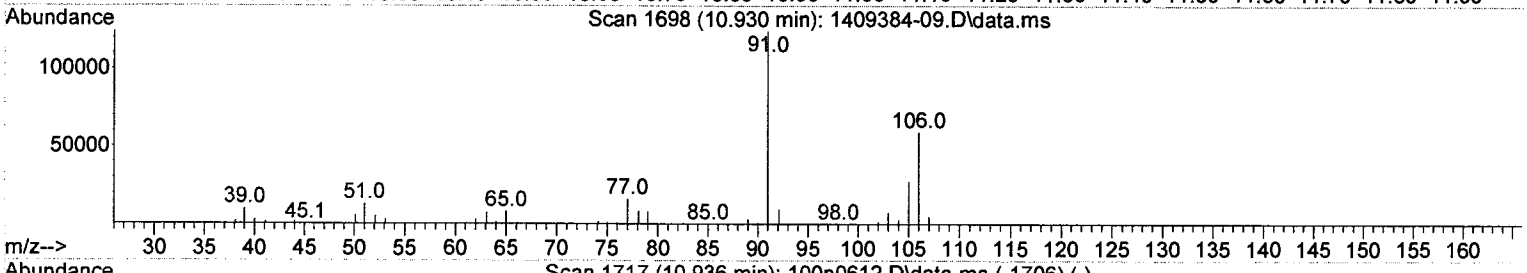
response 84090

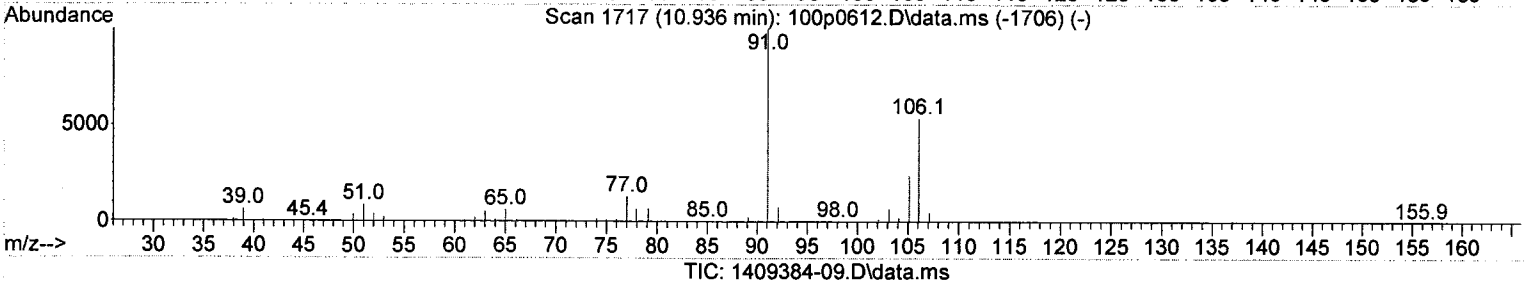
Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	30.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-09.D
Acq On : 30 Sep 2014 19:43
Operator : DLV
Sample : 1409384-09
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 07:18:28 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







(60) m+p-xylene

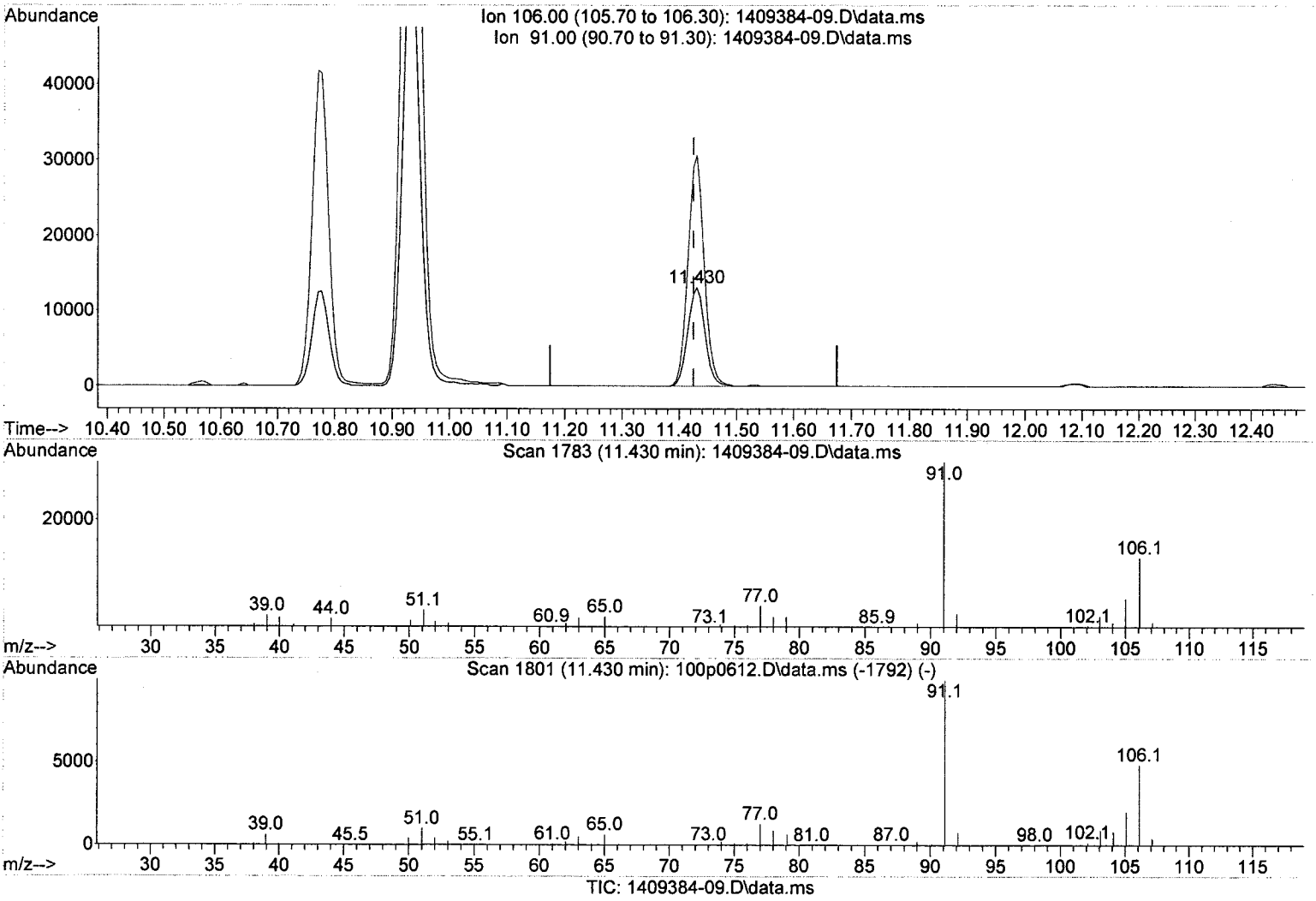
10.930min (+ 0.000) 16.53 ug/L

response 123287

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	210.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-09.D
Acq On : 30 Sep 2014 19:43
Operator : DLV
Sample : 1409384-09
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 07:18:28 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409384-09.D\data.ms

(61) o-xylene

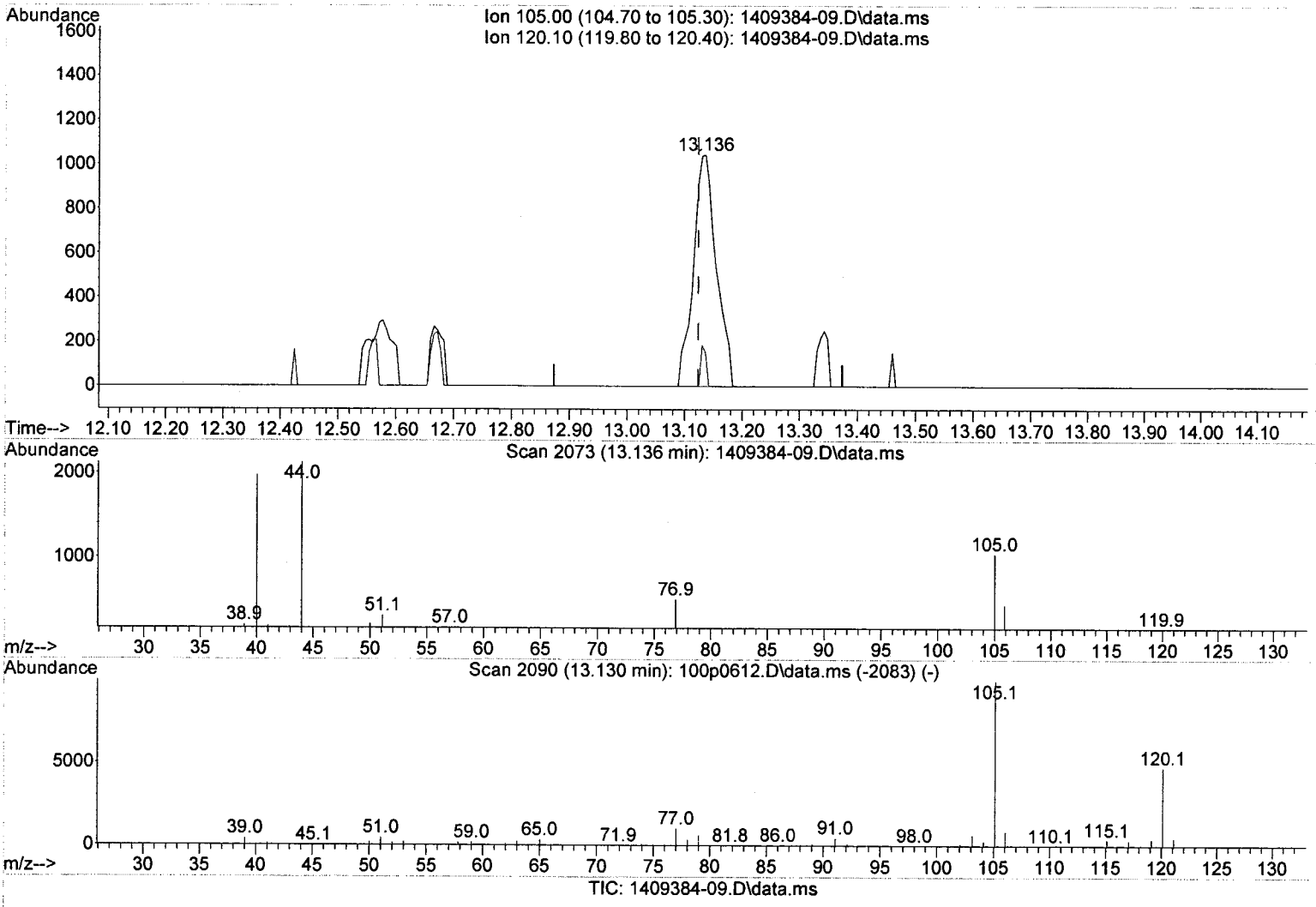
11.430min (+ 0.005) 3.82 ug/L

response 27076

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	221.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409384-09.D
Acq On : 30 Sep 2014 19:43
Operator : DLV
Sample : 1409384-09
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 07:18:28 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(76) 1,2,4-trimethylbenzene

13.136min (+ 0.012) 0.18 ug/L

response 2877

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB16-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-01 File ID: 1409422-01.D

Sampled: 09/23/14 11:00 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 20:07

Solids: 95.20 Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	67	4.4	5.3	5.3	
71-43-2	Benzene	1	0.61	0.17	0.53	1.1	J
108-86-1	Bromobenzene	1	0.53	0.14	0.53	1.1	U
74-97-5	Bromochloromethane	1	0.53	0.15	0.53	1.1	U
75-27-4	Bromodichloromethane	1	0.53	0.18	0.53	1.1	U
75-25-2	Bromoform	1	0.53	0.38	0.53	1.1	U
74-83-9	Bromomethane	1	0.53	0.34	0.53	1.1	U
104-51-8	n-Butylbenzene	1	0.53	0.27	0.53	1.1	U
135-98-8	sec-Butylbenzene	1	0.53	0.22	0.53	1.1	U
98-06-6	tert-Butylbenzene	1	0.53	0.18	0.53	1.1	U
75-15-0	Carbon Disulfide	1	6.0	0.24	0.53	1.1	
56-23-5	Carbon Tetrachloride	1	0.53	0.34	0.53	1.1	U
108-90-7	Chlorobenzene	1	0.22	0.16	0.53	1.1	J
75-00-3	Chloroethane	1	1.1	0.53	1.1	1.1	U
67-66-3	Chloroform	1	0.53	0.15	0.53	1.1	U
74-87-3	Chloromethane	1	0.53	0.27	0.53	1.1	U
95-49-8	2-Chlorotoluene	1	0.53	0.31	0.53	1.1	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.62	1.1	5.3	U
124-48-1	Dibromochloromethane	1	0.53	0.19	0.53	1.1	U
106-93-4	1,2-Dibromoethane	1	0.53	0.16	0.53	1.1	U
74-95-3	Dibromomethane	1	0.53	0.24	0.53	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.34	0.098	0.21	1.1	J
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.28	0.11	0.21	1.1	J
75-71-8	Dichlorodifluoromethane	1	0.53	0.15	0.53	1.1	U
75-34-3	1,1-Dichloroethane	1	0.53	0.22	0.53	1.1	U
107-06-2	1,2-Dichloroethane	1	0.53	0.24	0.53	1.1	U
75-35-4	1,1-Dichloroethene	1	0.53	0.32	0.53	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.53	0.24	0.53	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.53	0.28	0.53	1.1	U
78-87-5	1,2-Dichloropropane	1	0.53	0.18	0.53	1.1	U
142-28-9	1,3-Dichloropropane	1	0.53	0.15	0.53	1.1	U
594-20-7	2,2-Dichloropropane	1	0.53	0.24	0.53	1.1	U
563-58-6	1,1-Dichloropropene	1	0.53	0.29	0.53	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.53	0.13	0.53	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB16-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-01 File ID: 1409422-01.D

Sampled: 09/23/14 11:00 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 20:07

Solids: 95.20 Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	6.4	0.20	0.53	1.1	
87-68-3	Hexachlorobutadiene	1	0.53	0.22	0.53	1.1	U
591-78-6	2-Hexanone	1	0.53	0.50	0.53	5.3	U
98-82-8	Isopropylbenzene	1	0.16	0.12	0.21	1.1	J
99-87-6	4-Isopropyltoluene	1	0.53	0.25	0.53	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.49	1.1	5.3	U
78-93-3	2-Butanone (MEK)	1	11	1.2	5.3	5.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.53	0.41	0.53	5.3	U
91-20-3	Naphthalene	1	5.2	0.17	0.53	5.3	J
103-65-1	n-Propylbenzene	1	0.53	0.12	0.53	1.1	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.53	0.16	0.53	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.53	0.15	0.53	1.1	U
127-18-4	Tetrachloroethene	1	0.53	0.18	0.53	1.1	U
108-88-3	Toluene	1	12	0.10	0.21	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.53	0.30	0.53	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.53	0.18	0.53	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.53	0.15	0.53	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.53	0.22	0.53	1.1	U
79-01-6	Trichloroethene	1	0.53	0.25	0.53	1.1	U
75-69-4	Trichlorofluoromethane	1	0.55	0.18	0.53	1.1	J
96-18-4	1,2,3-Trichloropropane	1	0.53	0.24	0.53	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.74	0.12	0.53	1.1	J
108-67-8	1,3,5-Trimethylbenzene	1	0.25	0.20	0.53	1.1	J
75-01-4	Vinyl Chloride	1	0.53	0.21	0.53	1.1	U
179601-23-1	Xylene, Meta + Para	1	26	0.15	0.42	2.1	
95-47-6	Xylene, Ortho	1	6.3	0.12	0.21	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.0	105	78 - 119	
1,2-Dichloroethane-d4	40.0	44.6	112	71 - 136	
Toluene-d8	40.0	39.2	98	85 - 116	
4-Bromofluorobenzene	40.0	37.8	94	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	480492	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB16-12

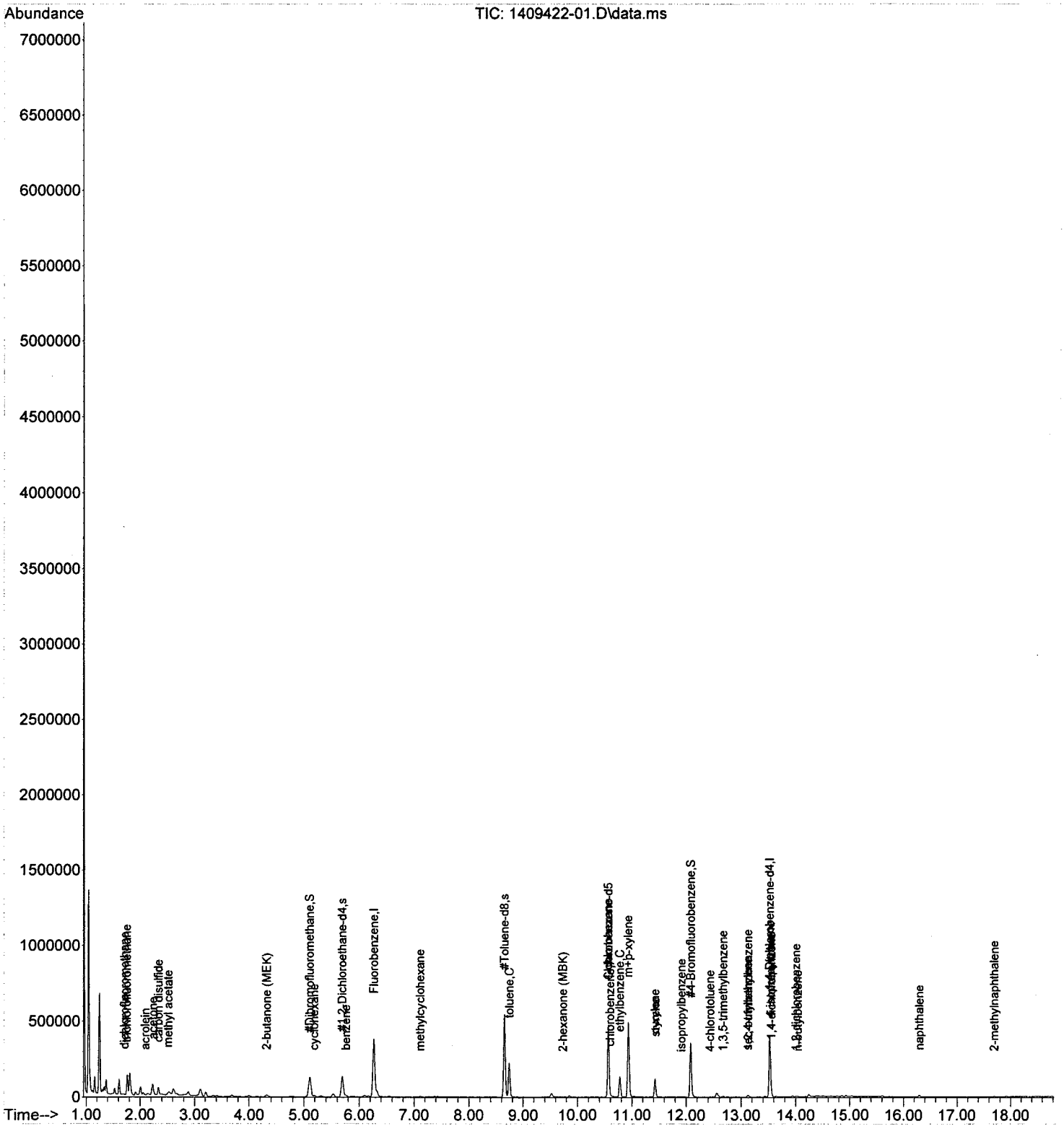
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-01
File ID: 1409422-01.D
Sampled: 09/23/14 11:00
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 20:07
Solids: 95.20
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	323514	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	138906	13.525	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	480492	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	323514	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	138906	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.101	111	126939	42.01	ug/L		0.00
Spiked Amount 40.000			Recovery = 105.02%				
37) #1,2-Dichloroethane-d4	5.690	67	76942	44.64	ug/L		0.00
Spiked Amount 40.000			Recovery = 111.60%				
46) #Toluene-d8	8.654	98	456963	39.17	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.93%				
64) #4-Bromofluorobenzene	12.083	95	153125	37.76	ug/L		0.00
Spiked Amount 40.000			Recovery = 94.40%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	1.708	67	1961	0.24	ug/L	#	42
8) trichlorofluoromethane	1.749	101	1566	0.52	ug/L	#	25
9) ethyl ether	0.000		0	N.D.			
10) acrolein	2.090	56	1598	2.34	ug/L	#	15
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	100171	63.41	ug/L		96
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	63328	5.73	ug/L		96
16) methyl acetate	2.513	43	4873	1.53	ug/L	#	60
17) methylene chloride	2.607	49	18787	Below Cal			97
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.319	43	26347	10.46	ug/L		91
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	5.184	56	3758	0.52	ug/L	#	18
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.760	78	9803	0.58	ug/L	#	81
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

000423

Quantitation Report (Not Reviewed)

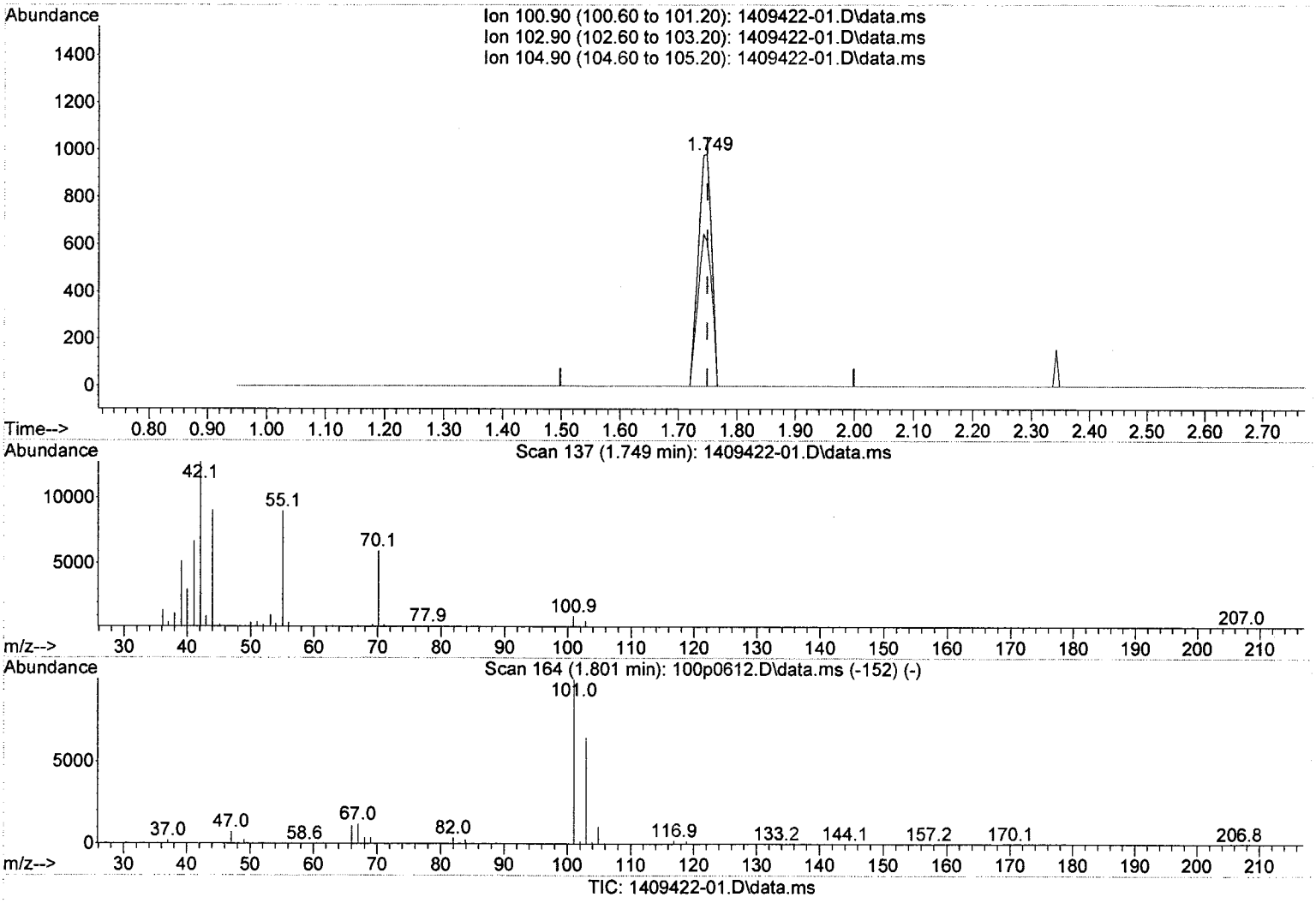
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.113	83	2682	0.35 ug/L #	55
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	203630	11.53 ug/L	98
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.731	43	1827	~~0.69~~ ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	10.595	112	2318	0.21 ug/L #	27
57) 1-chlorohexane	10.560	55	2706	0.64 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	114650	6.10 ug/L	100
60) m+p-xylene	10.931	106	174605	24.81 ug/L	98
61) o-xylene	11.431	106	39914	5.97 ug/L	97
62) styrene	11.436	104	2841	~~0.25~~ ug/L #	1
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	11.913	105	2353	0.15 ug/L #	49
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	12.672	105	3130	0.24 ug/L	94
74) 4-chlorotoluene	12.436	91	2354	0.18 ug/L #	45
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.130	105	9064	0.70 ug/L	93
77) sec-butylbenzene	13.130	105	8799	~~0.52~~ ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	13.542	119	1900	0.13 ug/L #	51
80) 1,4-dichlorobenzene	13.554	146	1957	0.27 ug/L #	49
81) 1,2-dichlorobenzene	14.007	146	2179	0.32 ug/L #	24
82) n-butylbenzene	14.042	91	1789	0.13 ug/L #	34
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	16.295	128	11128	4.91 ug/L #	78
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	17.695	142	1548	0.94 ug/L #	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(8) trichlorofluoromethane

1.749min (-0.000) 0.52 ug/L

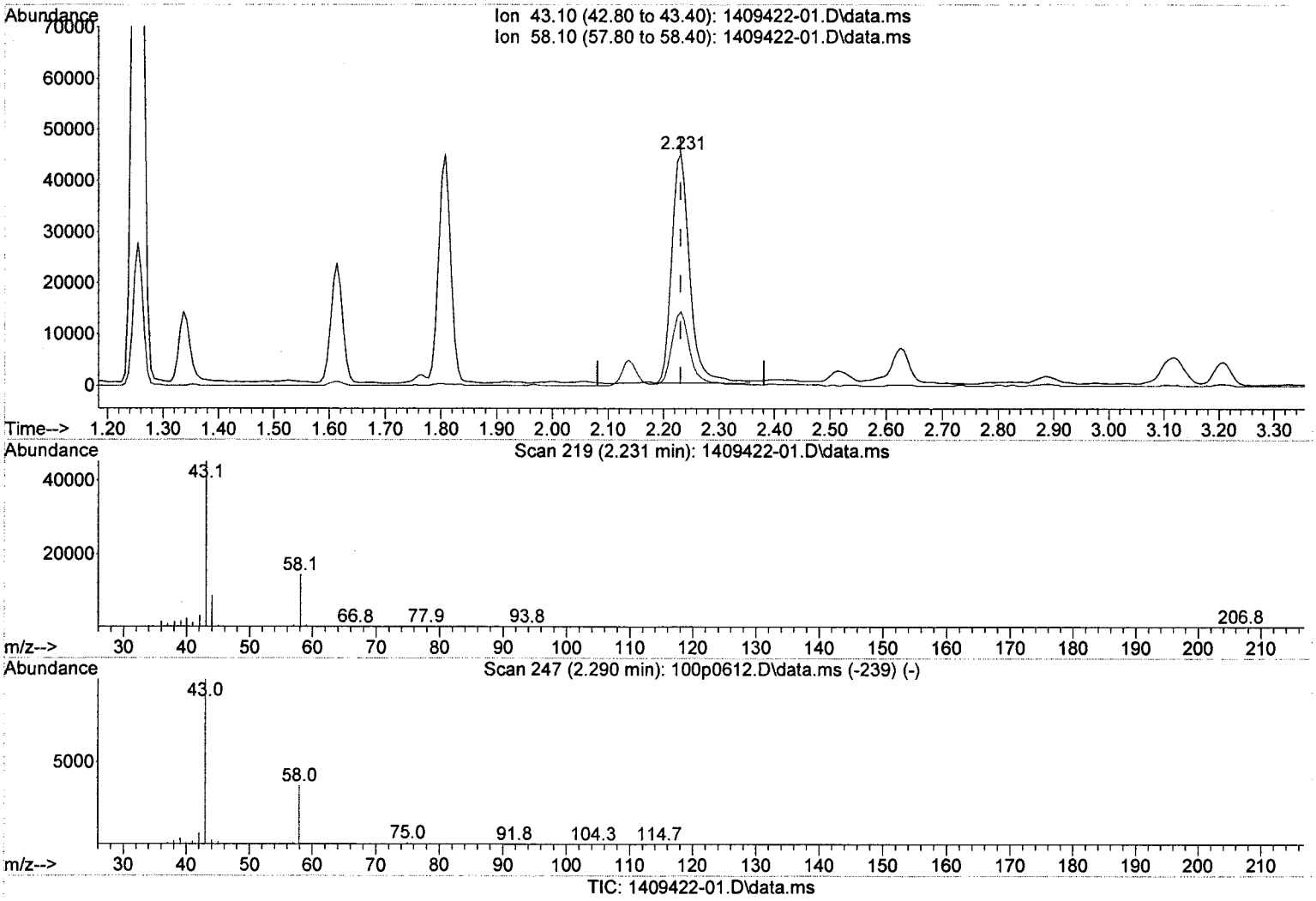
response 1566

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	64.60	0.00#
104.90	10.50	0.00
0.00	0.00	0.00

000425

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(13) acetone

2.231min (+ 0.000) 63.41 ug/L

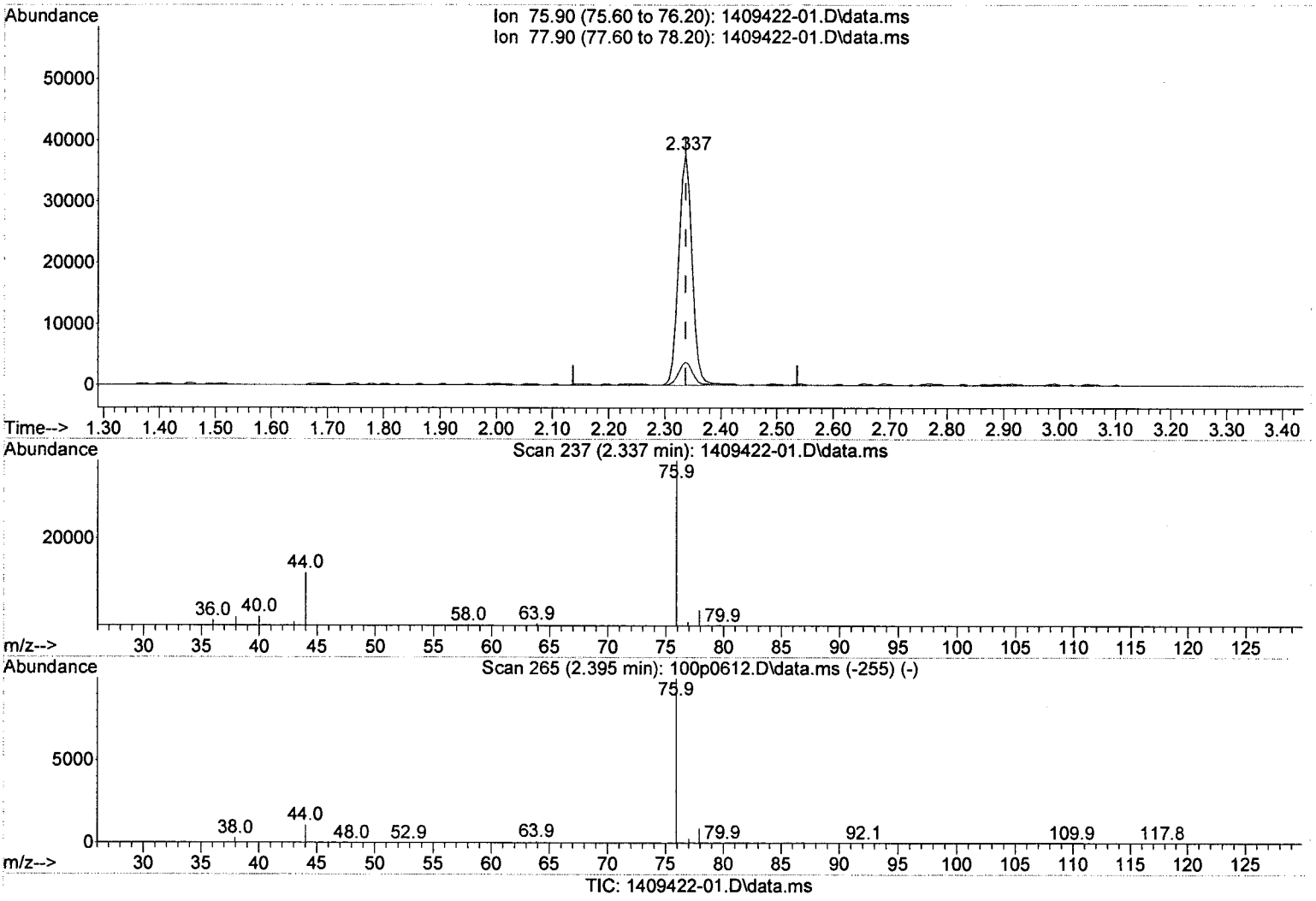
response 100171

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	31.62
0.00	0.00	0.00
0.00	0.00	0.00

000426

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(15) carbon disulfide

2.337min (-0.000) 5.73 ug/L

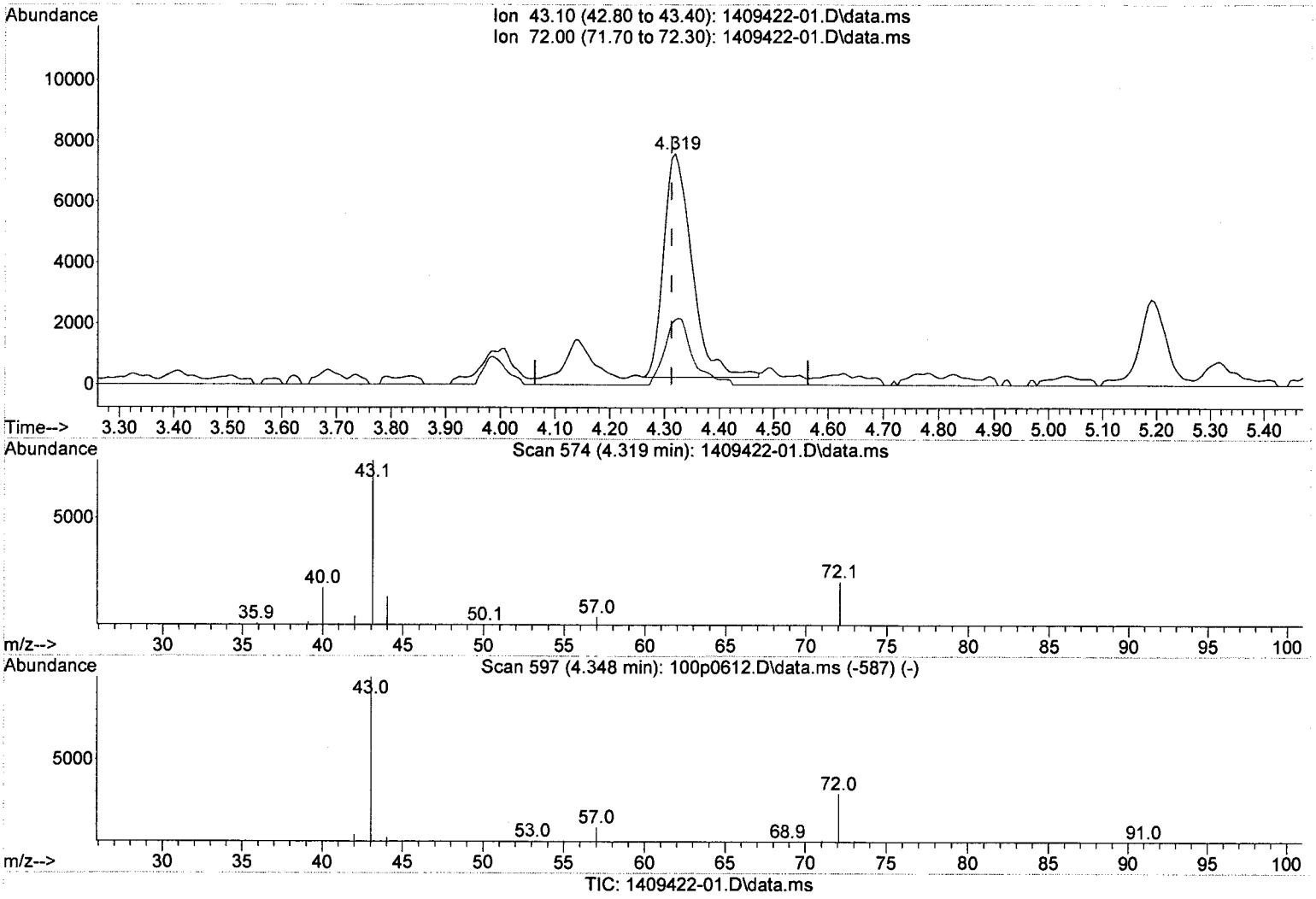
response 63328

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.50	10.83
0.00	0.00	0.00
0.00	0.00	0.00

000427

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(25) 2-butanone (MEK)

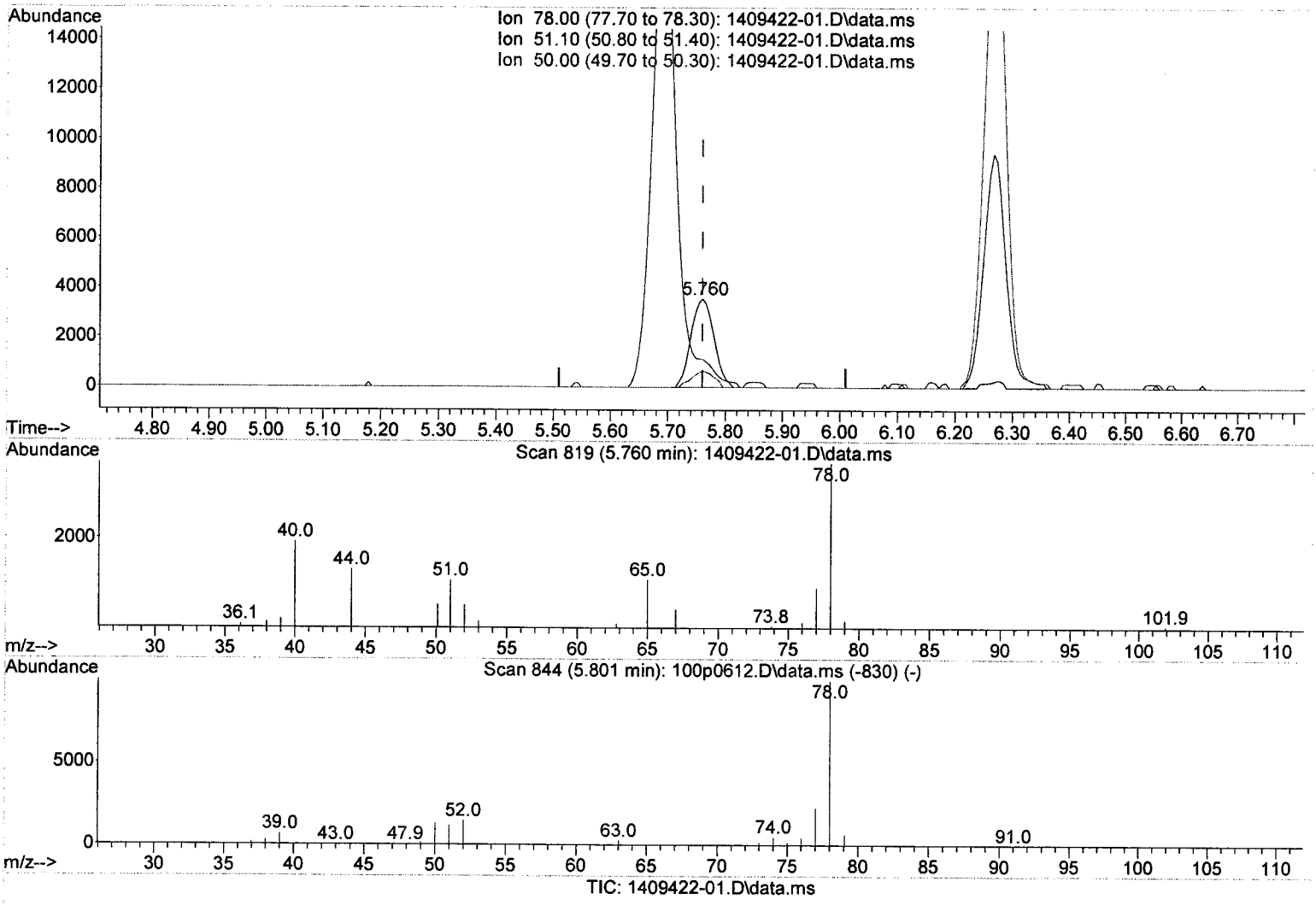
4.319min (+ 0.006) 10.46 ug/L

response 26347

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	29.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(34) benzene

5.760min (+ 0.000) 0.58 ug/L

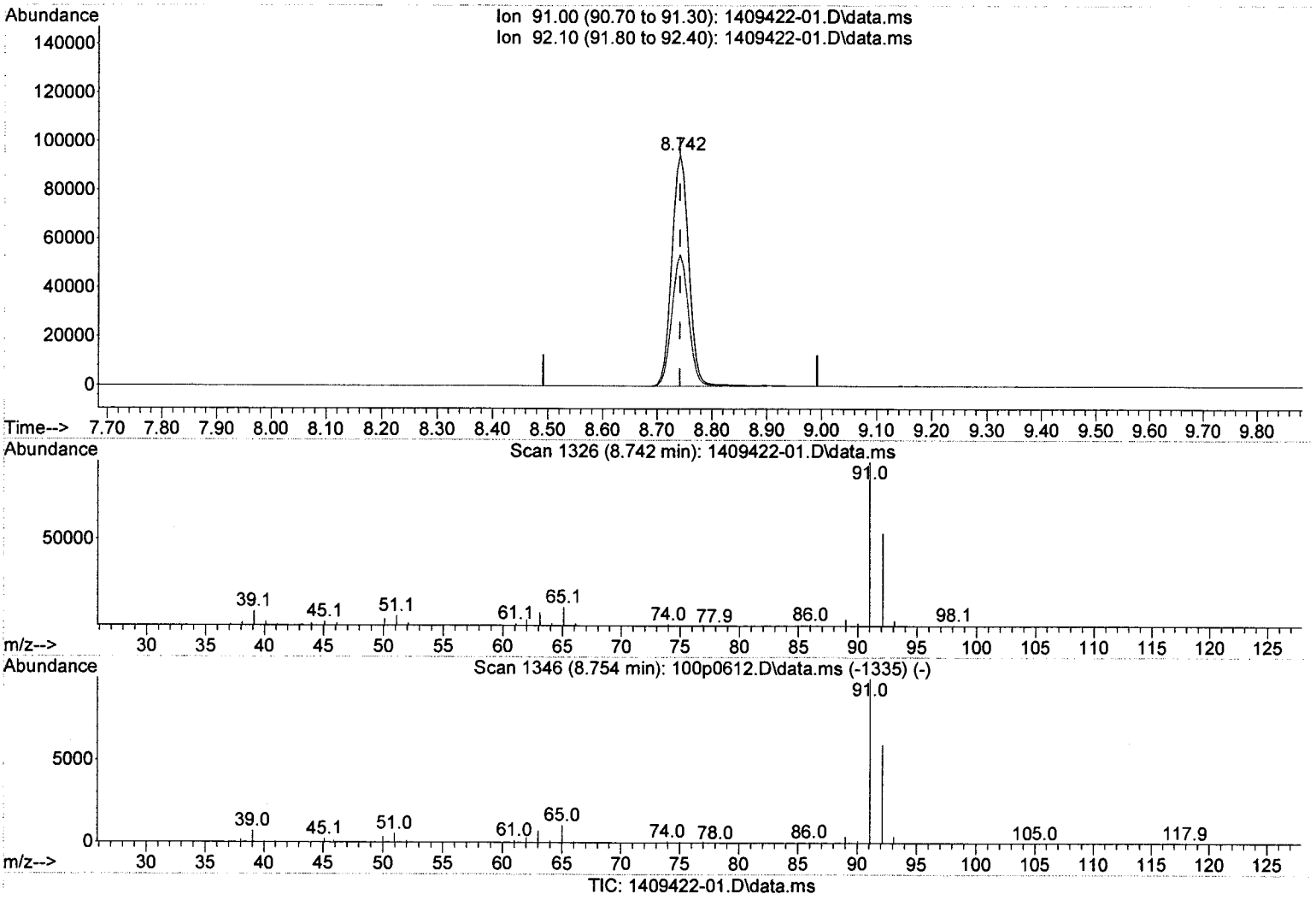
response 9803

Ion	Exp%	Act%
78.00	100.00	100.00
51.10	13.10	0.00
50.00	15.20	17.77
0.00	0.00	0.00

090429

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(47) toluene (C)

8.742min (+ 0.000) 11.53 ug/L

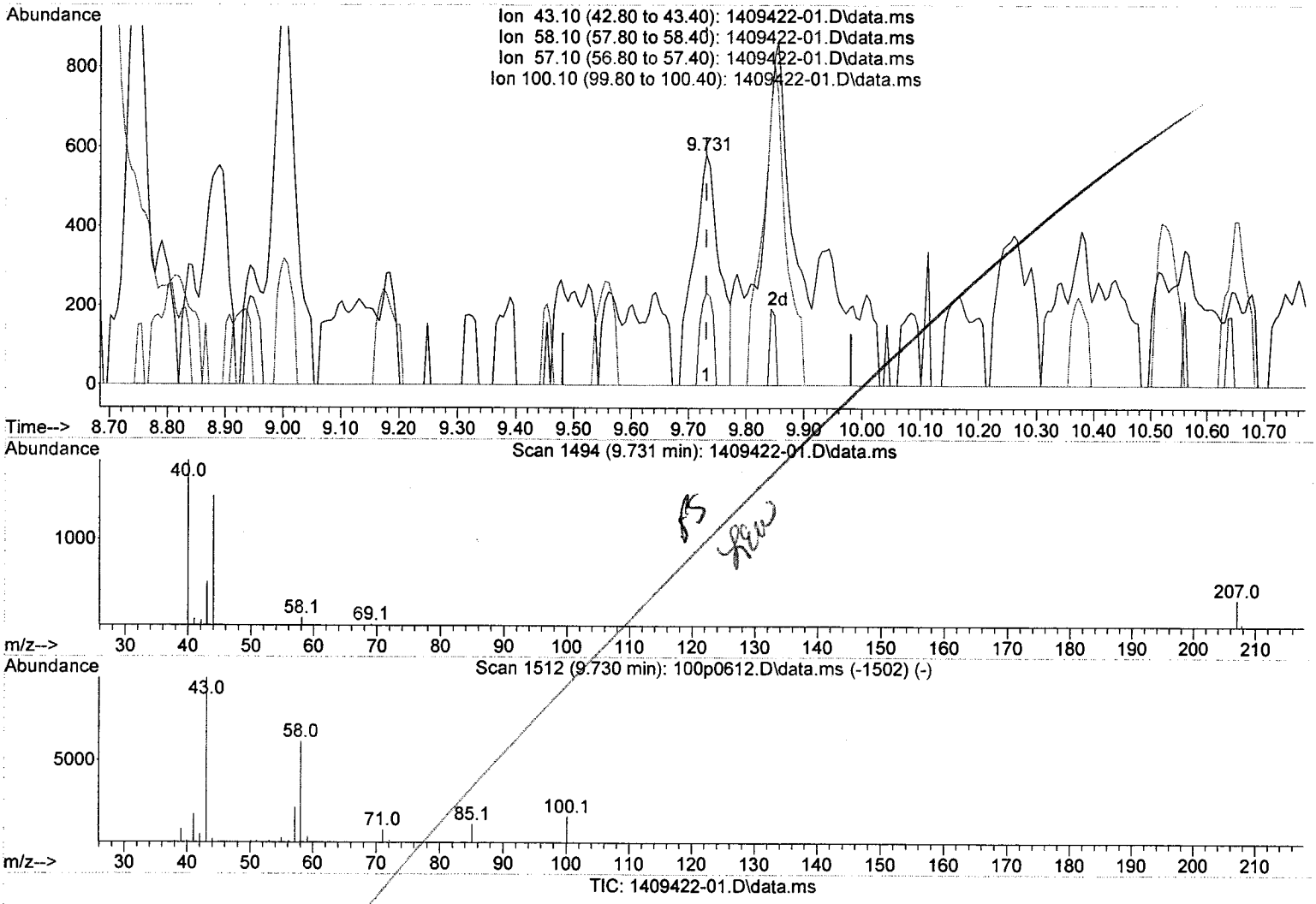
response 203630

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	55.90
0.00	0.00	0.00
0.00	0.00	0.00

000430

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(53) 2-hexanone (MBK)

9.731min (-0.000) 0.68 ug/L

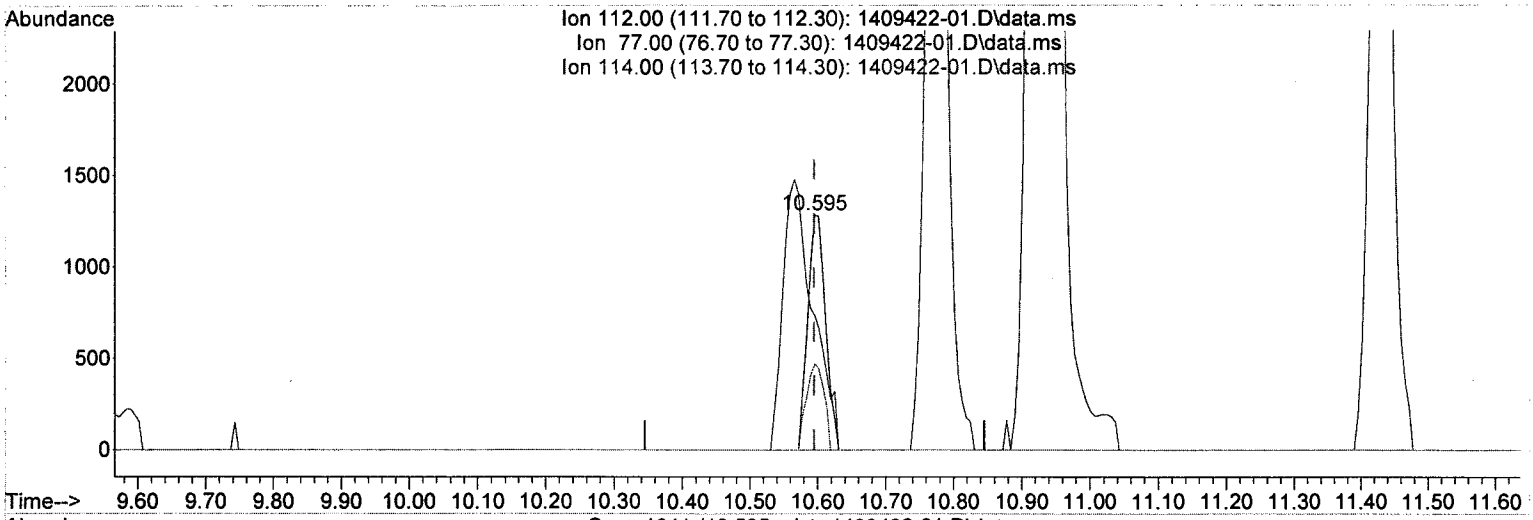
response 1827

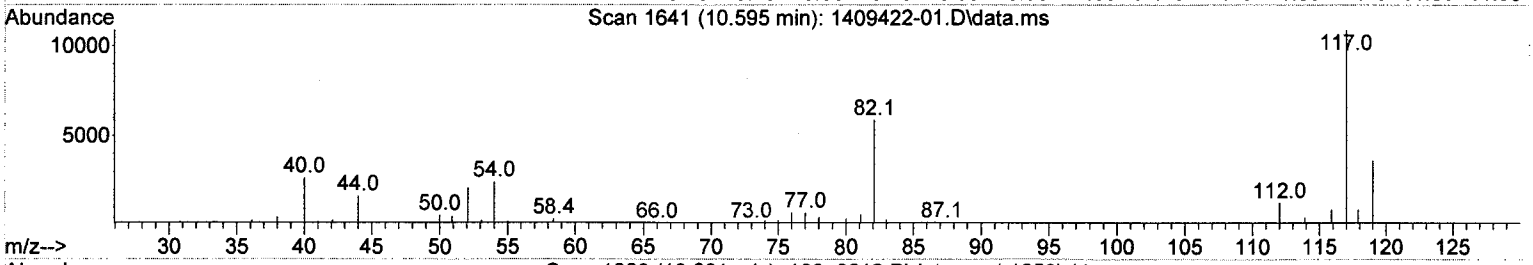
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	53.20	0.00#
57.10	18.90	0.00
100.10	10.50	0.00

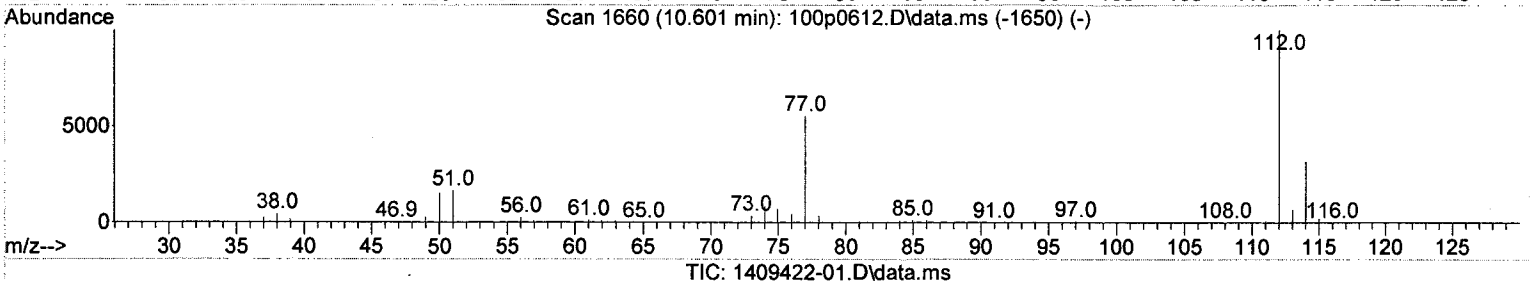
000421

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409422-01.D\data.ms

(56) chlorobenzene (P)

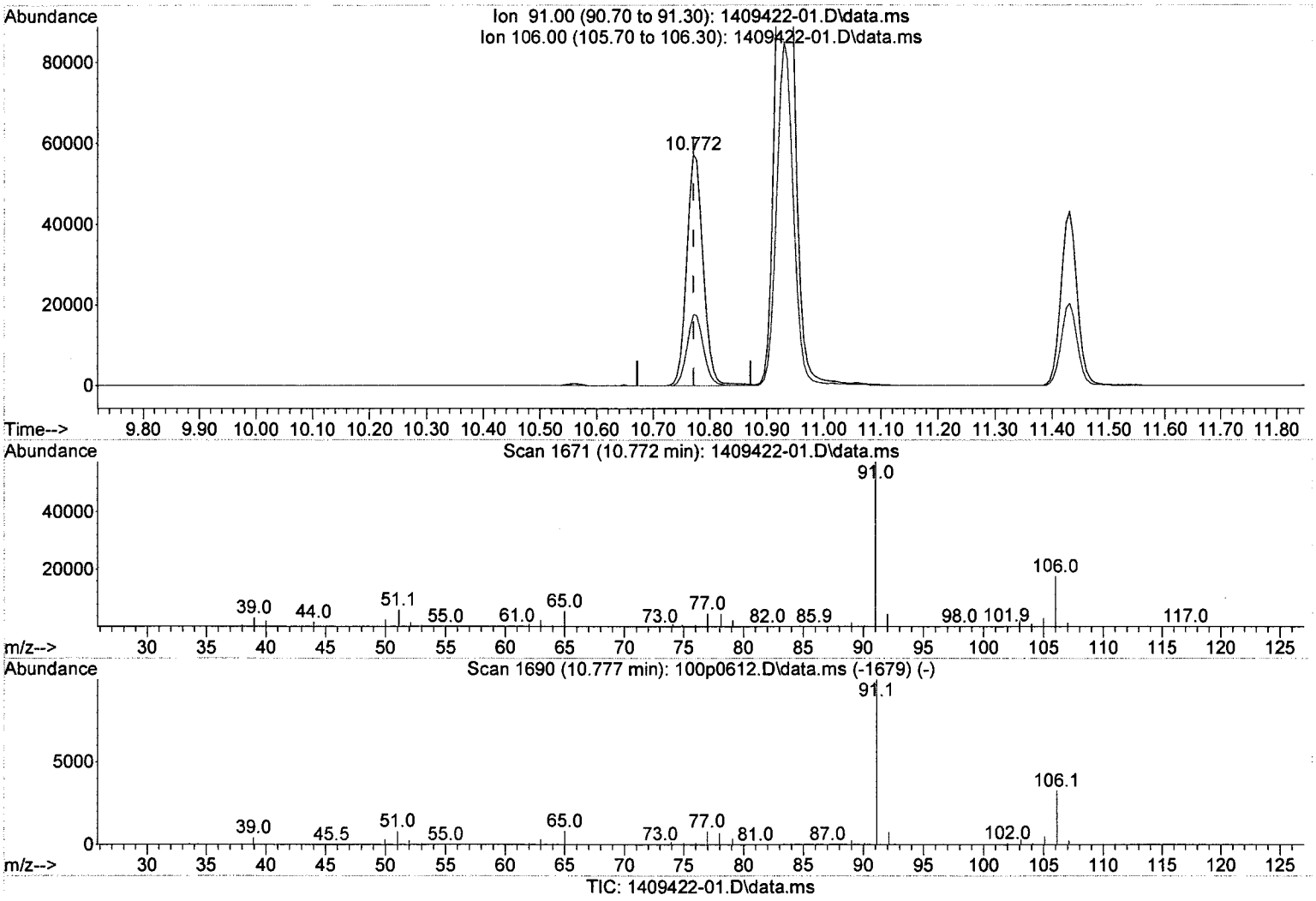
10.595min (+ 0.000) 0.21 ug/L

response 2318

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(59) ethylbenzene (C)

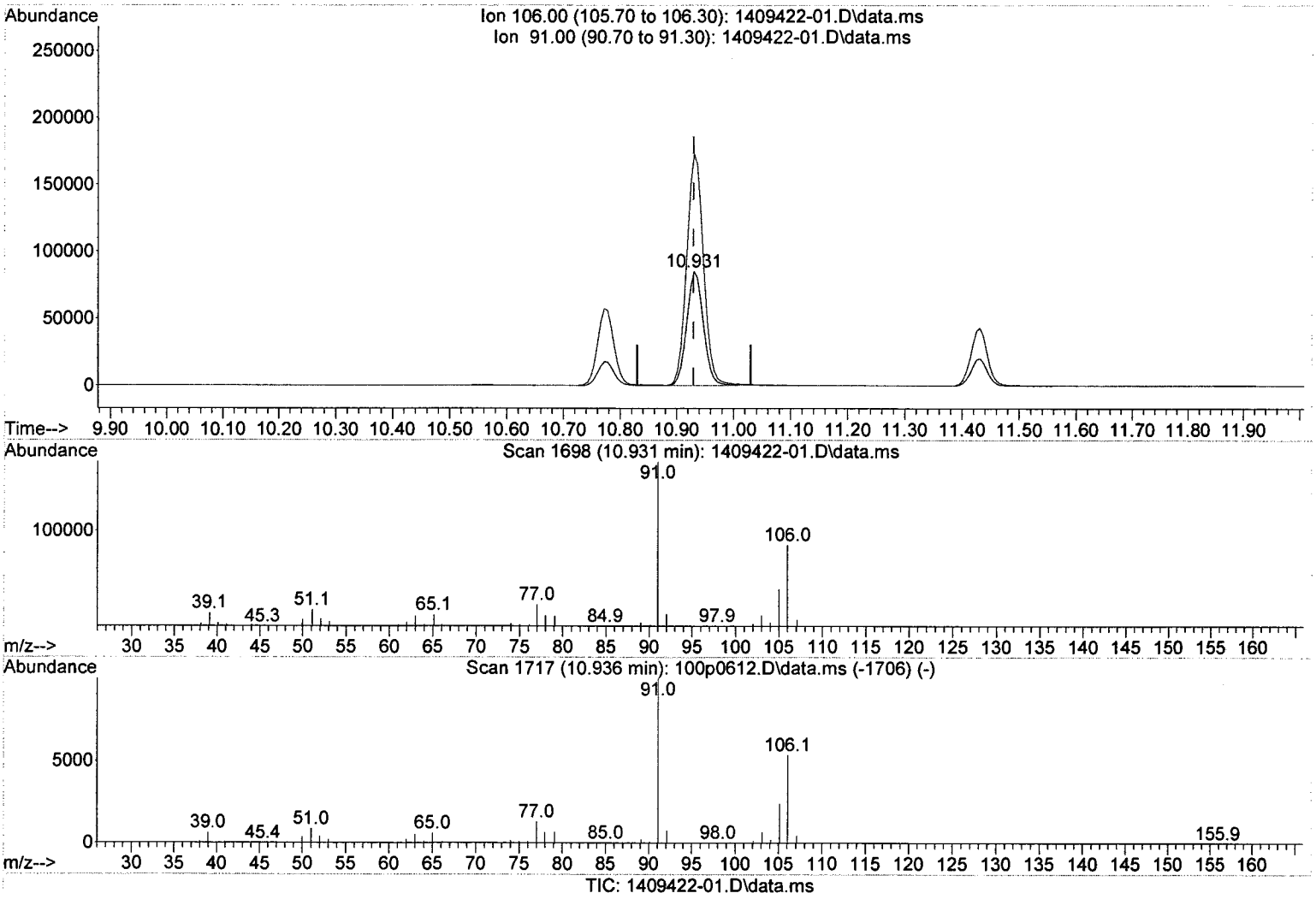
10.772min (-0.000) 6.10 ug/L

response 114650

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	30.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(60) m+p-xylene

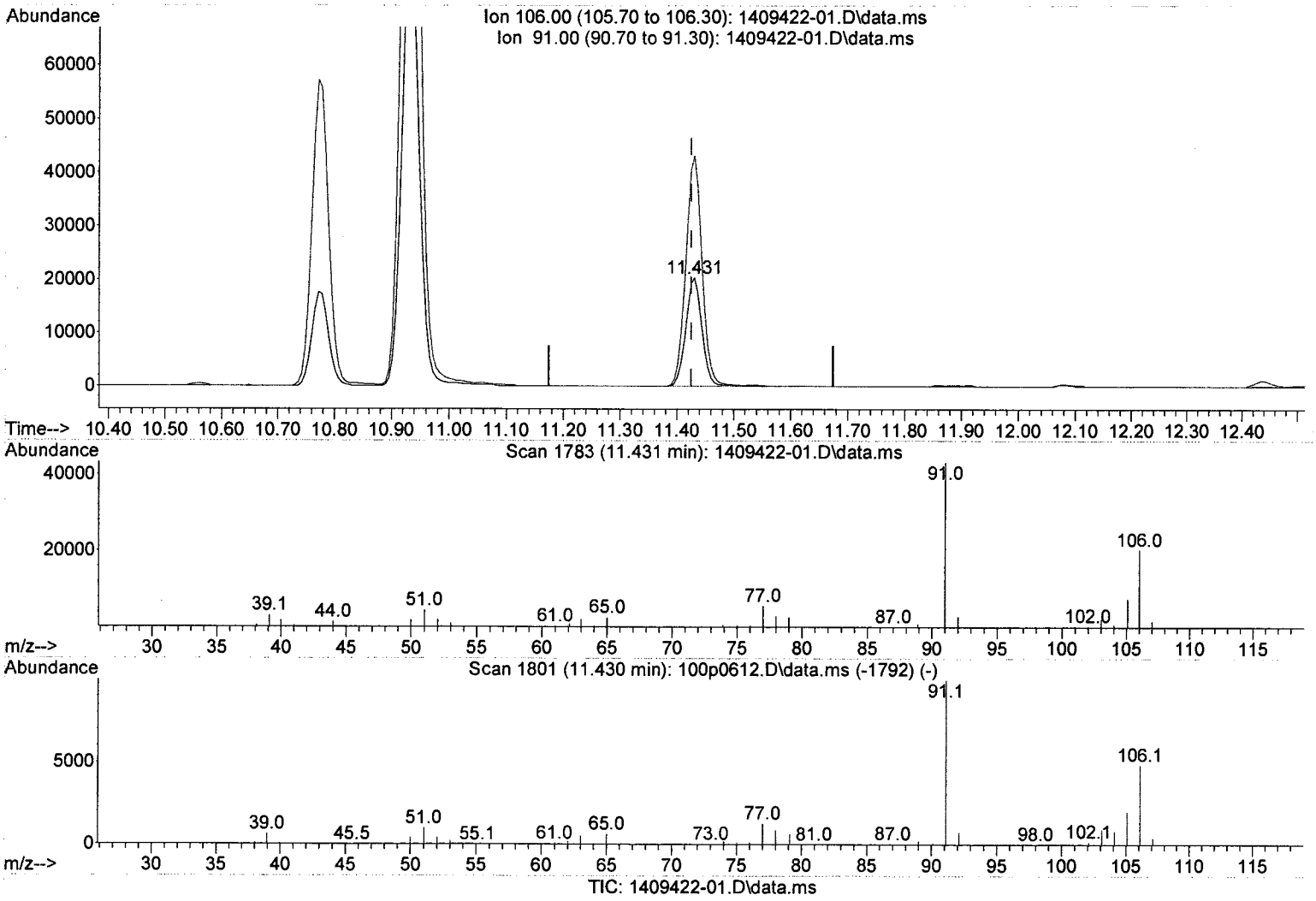
10.931min (+ 0.001) 24.81 ug/L

response 174605

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	204.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(61) o-xylene

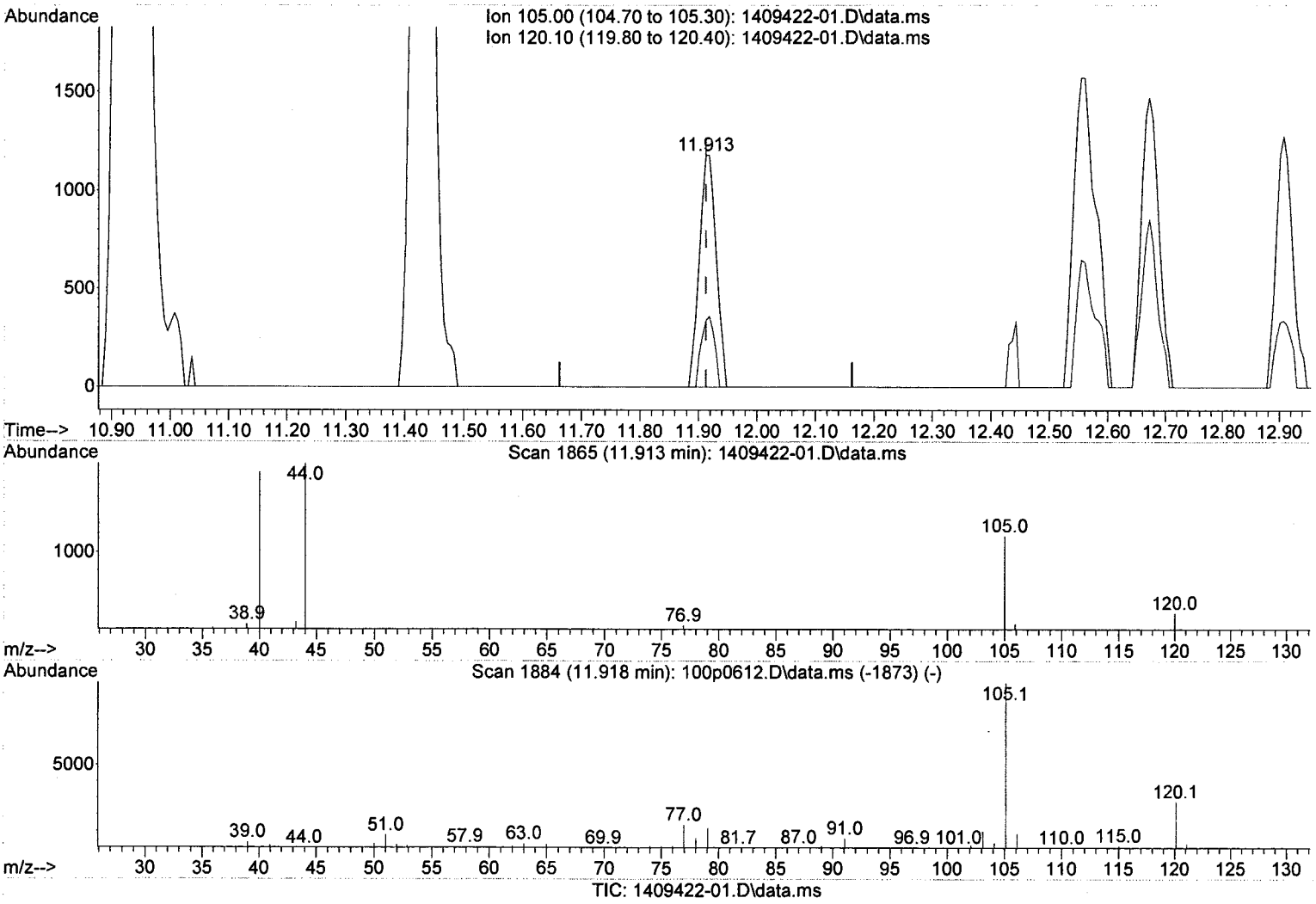
11.431min (+ 0.006) 5.97 ug/L

response 39914

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	215.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(66) isopropylbenzene

11.913min (-0.000) 0.15 ug/L

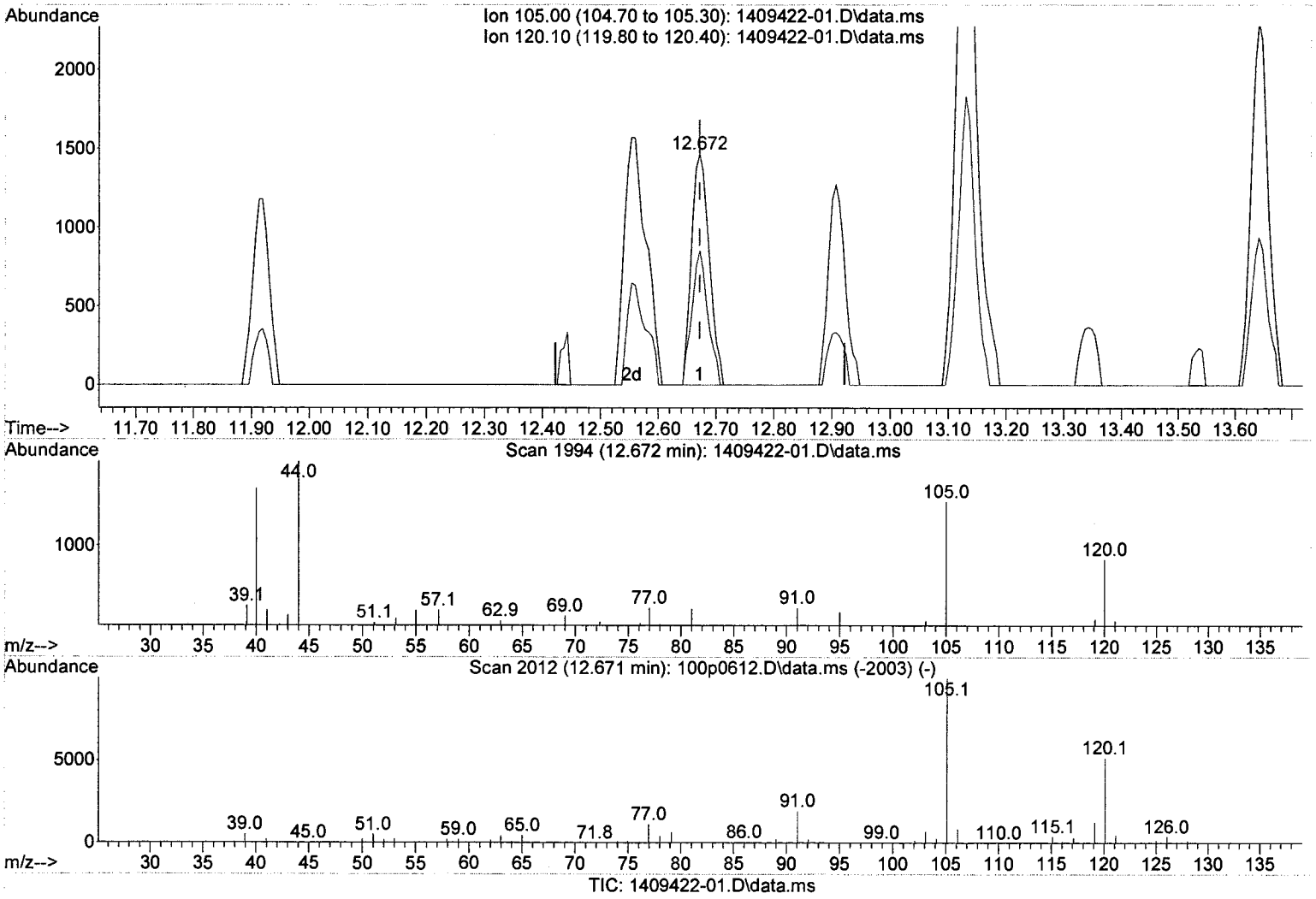
response 2353

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	26.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

000436

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(73) 1,3,5-trimethylbenzene

12.672min (-0.000) 0.24 ug/L

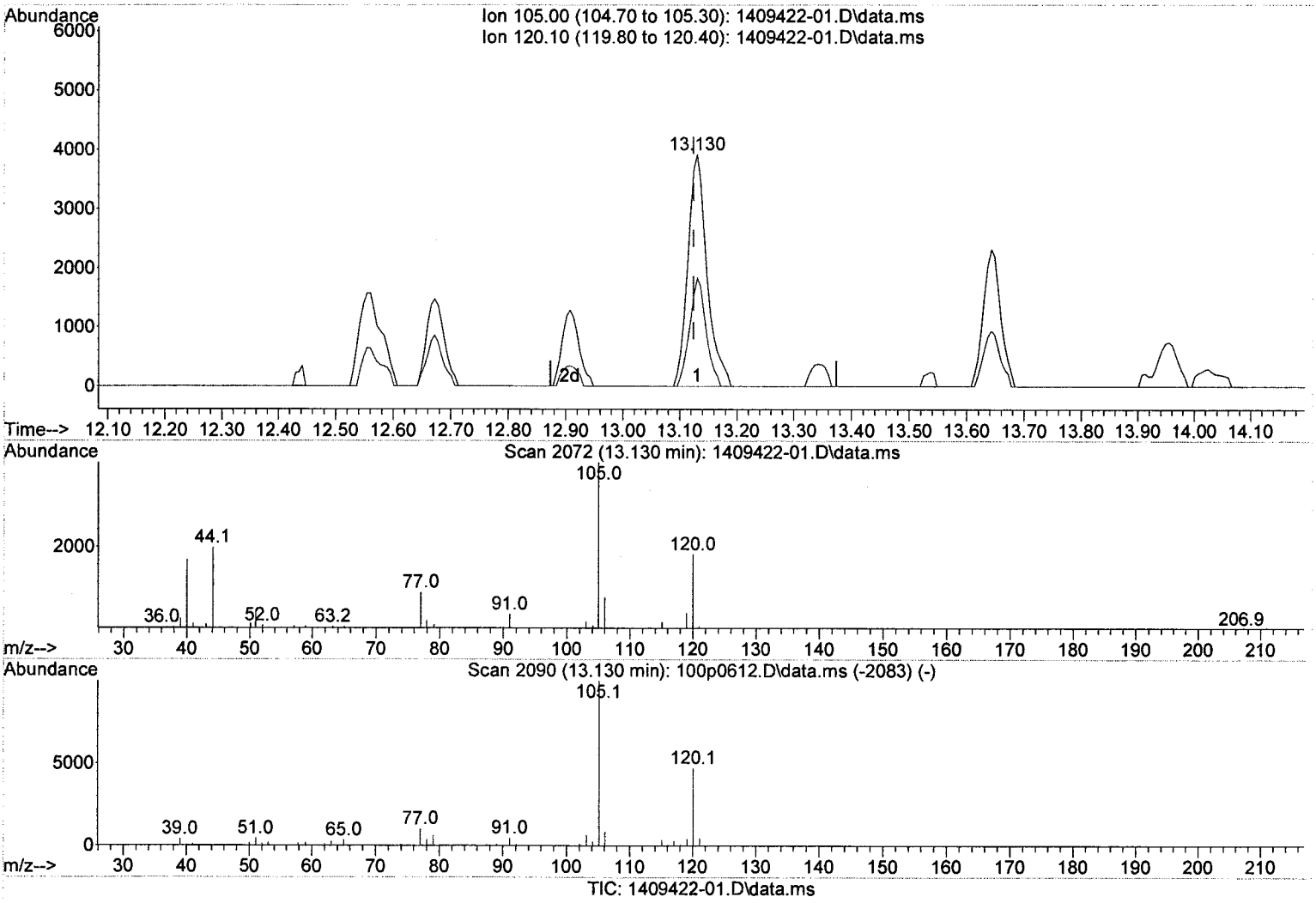
response 3130

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	48.20	52.30
0.00	0.00	0.00
0.00	0.00	0.00

000437

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.70 ug/L

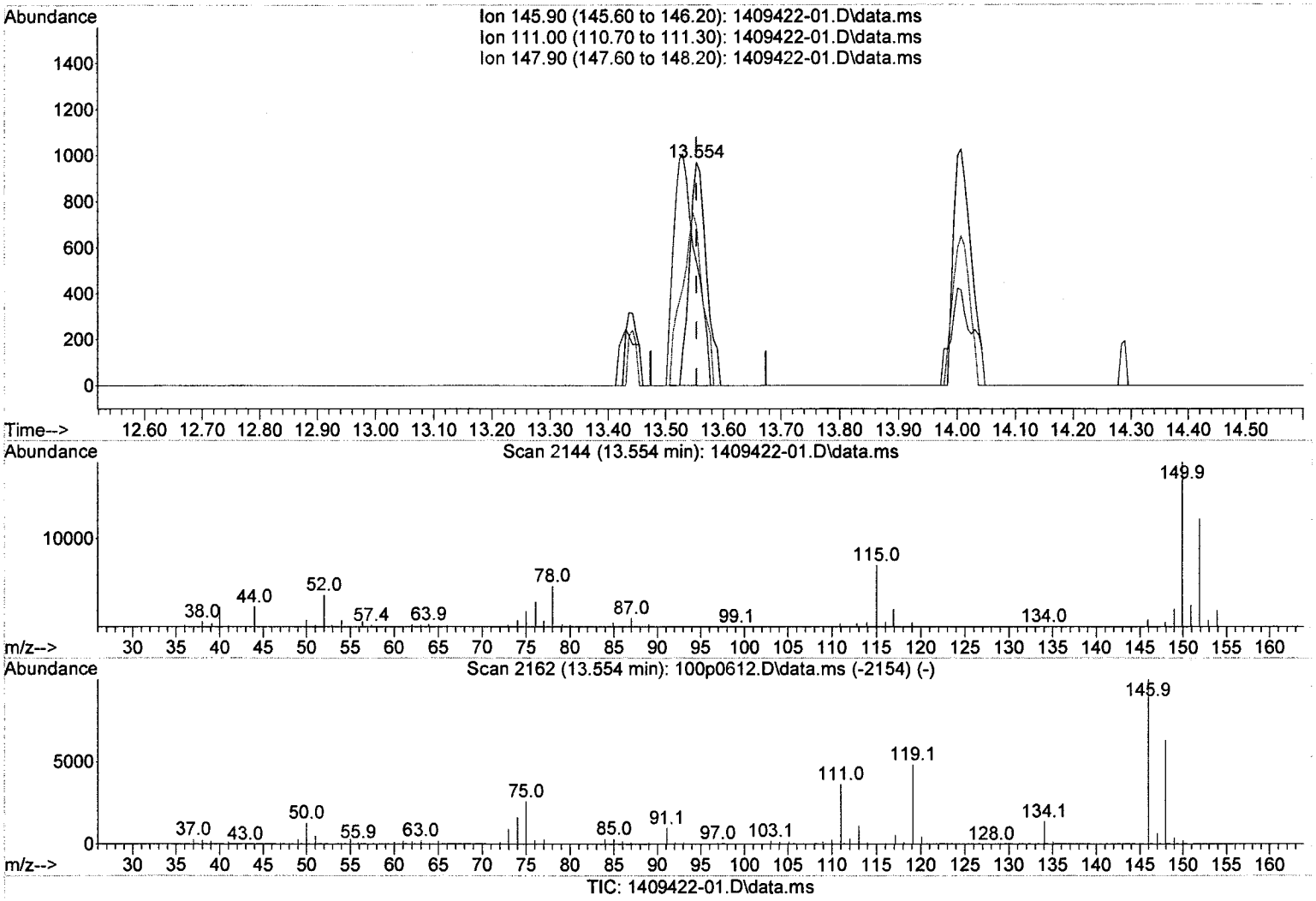
response 9064

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	40.24
0.00	0.00	0.00
0.00	0.00	0.00

000428

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(80) 1,4-dichlorobenzene

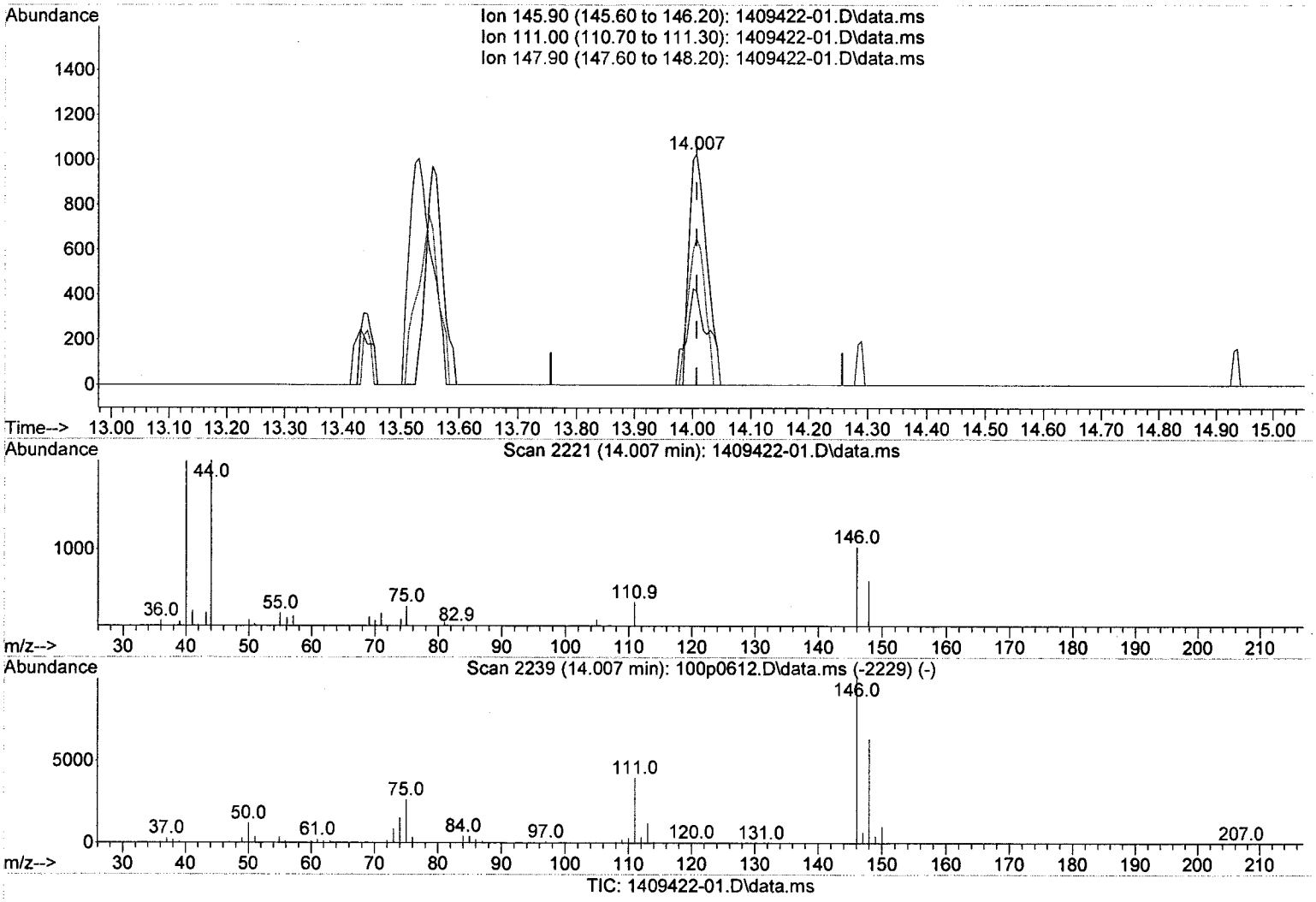
13.554min (-0.000) 0.27 ug/L

response 1957

Ion	Exp%	Act%
145.90	100.00	100.00
111.00	39.00	0.00#
147.90	63.10	95.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(81) 1,2-dichlorobenzene

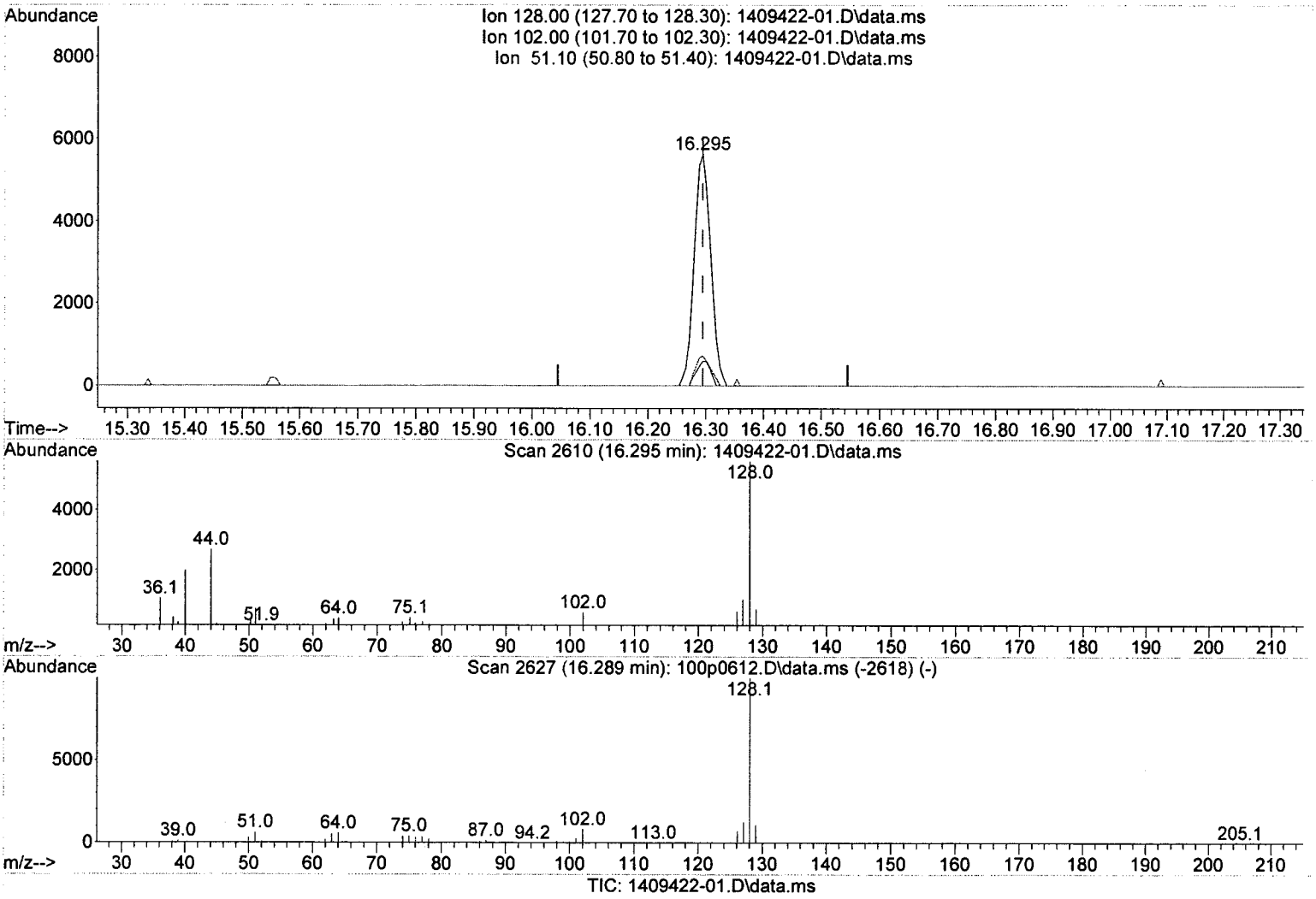
14.007min (-0.000) 0.32 ug/L

response 2179

Ion	Exp%	Act%
145.90	100.00	100.00
111.00	41.50	0.00#
147.90	63.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-01.D
Acq On : 30 Sep 2014 20:07
Operator : DLV
Sample : 1409422-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 07:18:31 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-01.D\data.ms

(87) naphthalene

16.295min (-0.000) 4.91 ug/L

response 11128

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	0.00
51.10	7.40	0.00
0.00	0.00	0.00

000141

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB16-35

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-02 File ID: 1409422-02.D

Sampled: 09/23/14 11:20 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 20:30

Solids: 96.80 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	15	4.6	5.5	5.5	
71-43-2	Benzene	1	0.55	0.18	0.55	1.1	U
108-86-1	Bromobenzene	1	0.55	0.15	0.55	1.1	U
74-97-5	Bromochloromethane	1	0.55	0.16	0.55	1.1	U
75-27-4	Bromodichloromethane	1	0.55	0.19	0.55	1.1	U
75-25-2	Bromoform	1	0.55	0.39	0.55	1.1	U
74-83-9	Bromomethane	1	0.55	0.36	0.55	1.1	U
104-51-8	n-Butylbenzene	1	0.55	0.28	0.55	1.1	U
135-98-8	sec-Butylbenzene	1	0.55	0.23	0.55	1.1	U
98-06-6	tert-Butylbenzene	1	0.55	0.18	0.55	1.1	U
75-15-0	Carbon Disulfide	1	0.55	0.25	0.55	1.1	U
56-23-5	Carbon Tetrachloride	1	0.55	0.36	0.55	1.1	U
108-90-7	Chlorobenzene	1	0.55	0.16	0.55	1.1	U
75-00-3	Chloroethane	1	1.1	0.55	1.1	1.1	U
67-66-3	Chloroform	1	0.55	0.16	0.55	1.1	U
74-87-3	Chloromethane	1	0.55	0.28	0.55	1.1	U
95-49-8	2-Chlorotoluene	1	0.55	0.32	0.55	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.65	1.1	5.5	U
124-48-1	Dibromochloromethane	1	0.55	0.20	0.55	1.1	U
106-93-4	1,2-Dibromoethane	1	0.55	0.17	0.55	1.1	U
74-95-3	Dibromomethane	1	0.55	0.25	0.55	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.55	0.16	0.55	1.1	U
75-34-3	1,1-Dichloroethane	1	0.55	0.23	0.55	1.1	U
107-06-2	1,2-Dichloroethane	1	0.55	0.25	0.55	1.1	U
75-35-4	1,1-Dichloroethene	1	0.55	0.34	0.55	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.55	0.25	0.55	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.55	0.30	0.55	1.1	U
78-87-5	1,2-Dichloropropane	1	0.55	0.19	0.55	1.1	U
142-28-9	1,3-Dichloropropane	1	0.55	0.16	0.55	1.1	U
594-20-7	2,2-Dichloropropane	1	0.55	0.25	0.55	1.1	U
563-58-6	1,1-Dichloropropene	1	0.55	0.31	0.55	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.12	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.55	0.13	0.55	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB16-35

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-02 File ID: 1409422-02.D

Sampled: 09/23/14 11:20 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 20:30

Solids: 96.80 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	5.4	0.20	0.55	1.1	
87-68-3	Hexachlorobutadiene	1	0.55	0.23	0.55	1.1	U
591-78-6	2-Hexanone	1	0.55	0.53	0.55	5.5	U
98-82-8	Isopropylbenzene	1	0.22	0.12	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.55	0.26	0.55	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.51	1.1	5.5	U
78-93-3	2-Butanone (MEK)	1	1.3	1.2	5.5	5.5	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.55	0.43	0.55	5.5	U
91-20-3	Naphthalene	1	0.55	0.18	0.55	5.5	U
103-65-1	n-Propylbenzene	1	0.55	0.13	0.55	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
127-18-4	Tetrachloroethene	1	0.55	0.19	0.55	1.1	U
108-88-3	Toluene	1	9.4	0.11	0.22	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.55	0.31	0.55	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.55	0.19	0.55	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.55	0.16	0.55	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.55	0.24	0.55	1.1	U
79-01-6	Trichloroethene	1	0.55	0.27	0.55	1.1	U
75-69-4	Trichlorofluoromethane	1	0.55	0.19	0.55	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.55	0.25	0.55	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.16	0.13	0.55	1.1	J
108-67-8	1,3,5-Trimethylbenzene	1	0.55	0.21	0.55	1.1	U
75-01-4	Vinyl Chloride	1	0.55	0.22	0.55	1.1	U
179601-23-1	Xylene, Meta + Para	1	22	0.16	0.44	2.2	
95-47-6	Xylene, Ortho	1	4.6	0.12	0.22	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.9	102	78 - 119	
1,2-Dichloroethane-d4	40.0	43.2	108	71 - 136	
Toluene-d8	40.0	39.9	100	85 - 116	
4-Bromofluorobenzene	40.0	40.2	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	479506	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB16-35

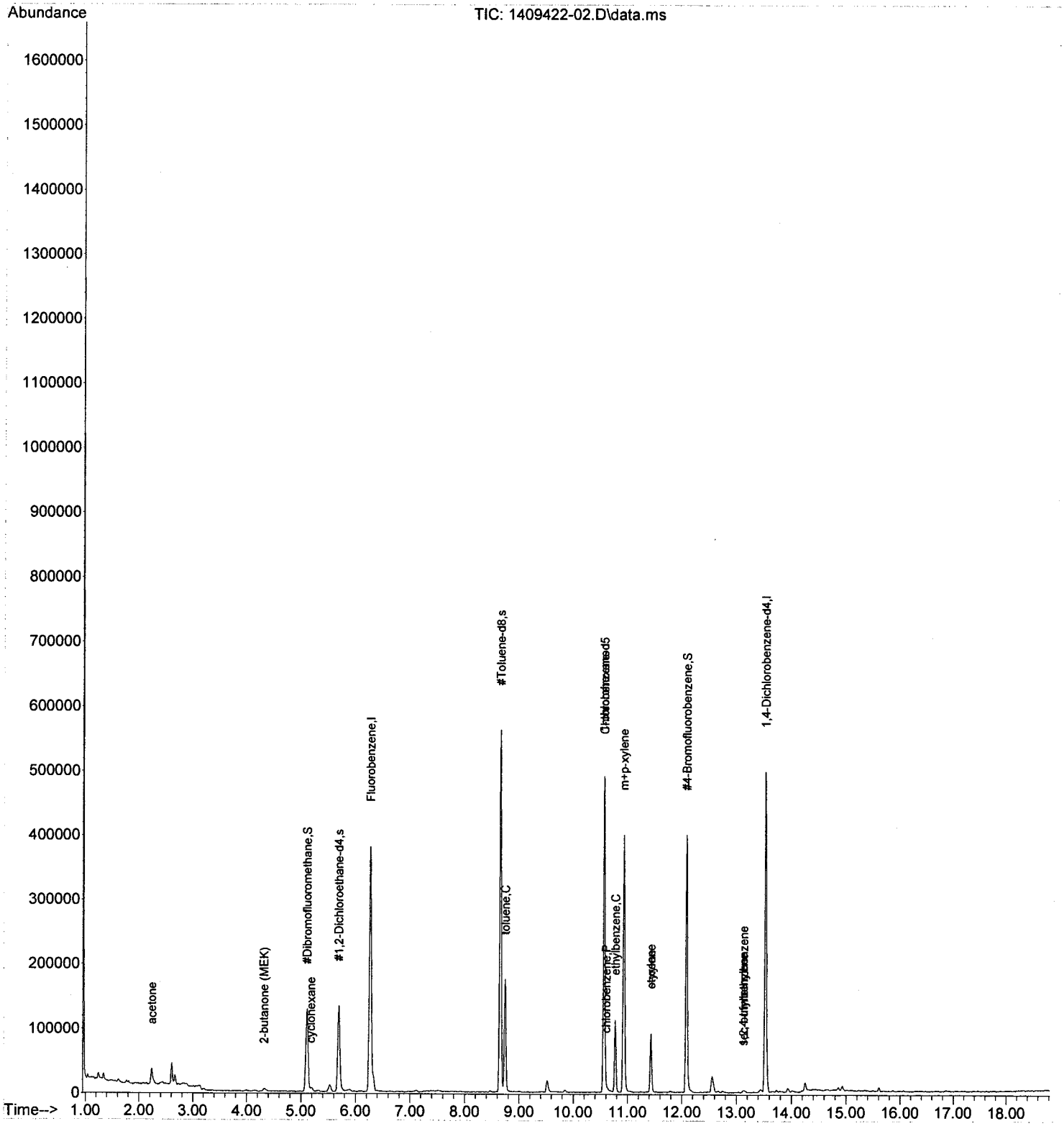
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-02
File ID: 1409422-02.D
Sampled: 09/23/14 11:20
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 20:30
Solids: 96.80
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	338652	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	169325	13.525	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-02.D
Acq On : 30 Sep 2014 20:30
Operator : DLV
Sample : 1409422-02
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 01 07:18:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000445

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-02.D
Acq On : 30 Sep 2014 20:30
Operator : DLV
Sample : 1409422-02
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 01 07:18:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	479506	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	338652	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	169325	40.00	ug/L #	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	123305	40.89	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.23%		
37) #1,2-Dichloroethane-d4	5.690	67	74248	43.17	ug/L	0.00
Spiked Amount 40.000			Recovery =	107.93%		
46) #Toluene-d8	8.654	98	465004	39.94	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.85%		
64) #4-Bromofluorobenzene	12.084	95	170674	40.20	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.50%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.237	43	39296	13.42	ug/L	99
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.608	49	18760	Below Cal		99
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.319	43	8969	1.19	ug/L	96
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	5.178	56	1569	0.22	ug/L #	18
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

000446

Quantitation Report (Not Reviewed)

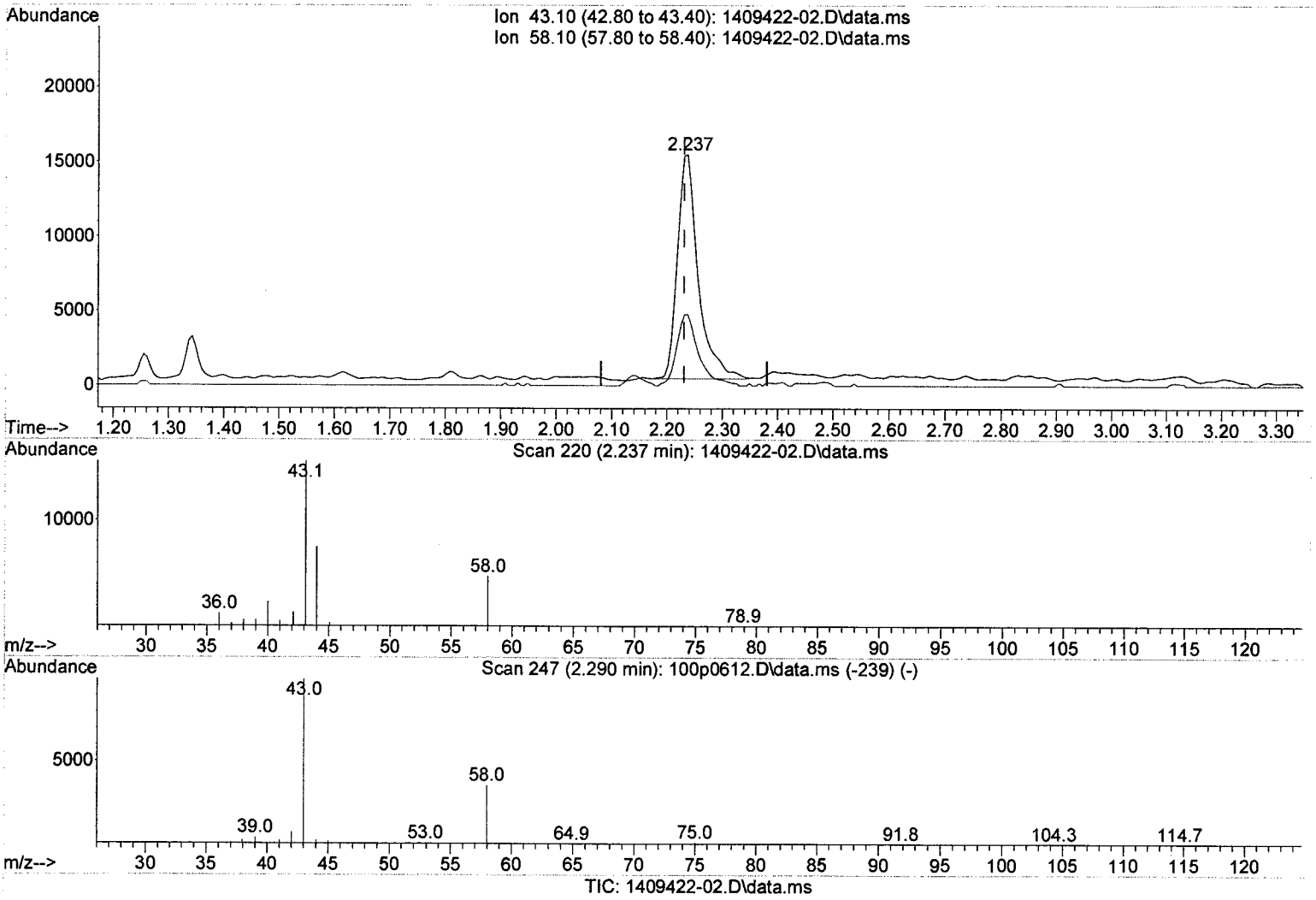
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-02.D
Acq On : 30 Sep 2014 20:30
Operator : DLV
Sample : 1409422-02
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 01 07:18:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	8.743	91	150734	8.55	ug/L	98
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	10.601	112	1512	0.13	ug/L #	27
57) 1-chlorohexane	10.560	55	3040	0.68	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	10.772	91	96095	4.88	ug/L	100
60) m+p-xylene	10.931	106	144988	19.68	ug/L	97
61) o-xylene	11.431	106	29059	4.15	ug/L	95
62) styrene	11.431	104	2520	~~0.21~~	ug/L #	1
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	13.131	105	2459	0.15	ug/L #	32
77) sec-butylbenzene	13.131	105	2384	0.12	ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-02.D
Acq On : 30 Sep 2014 20:30
Operator : DLV
Sample : 1409422-02
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 01 07:18:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-02.D\data.ms

(13) acetone

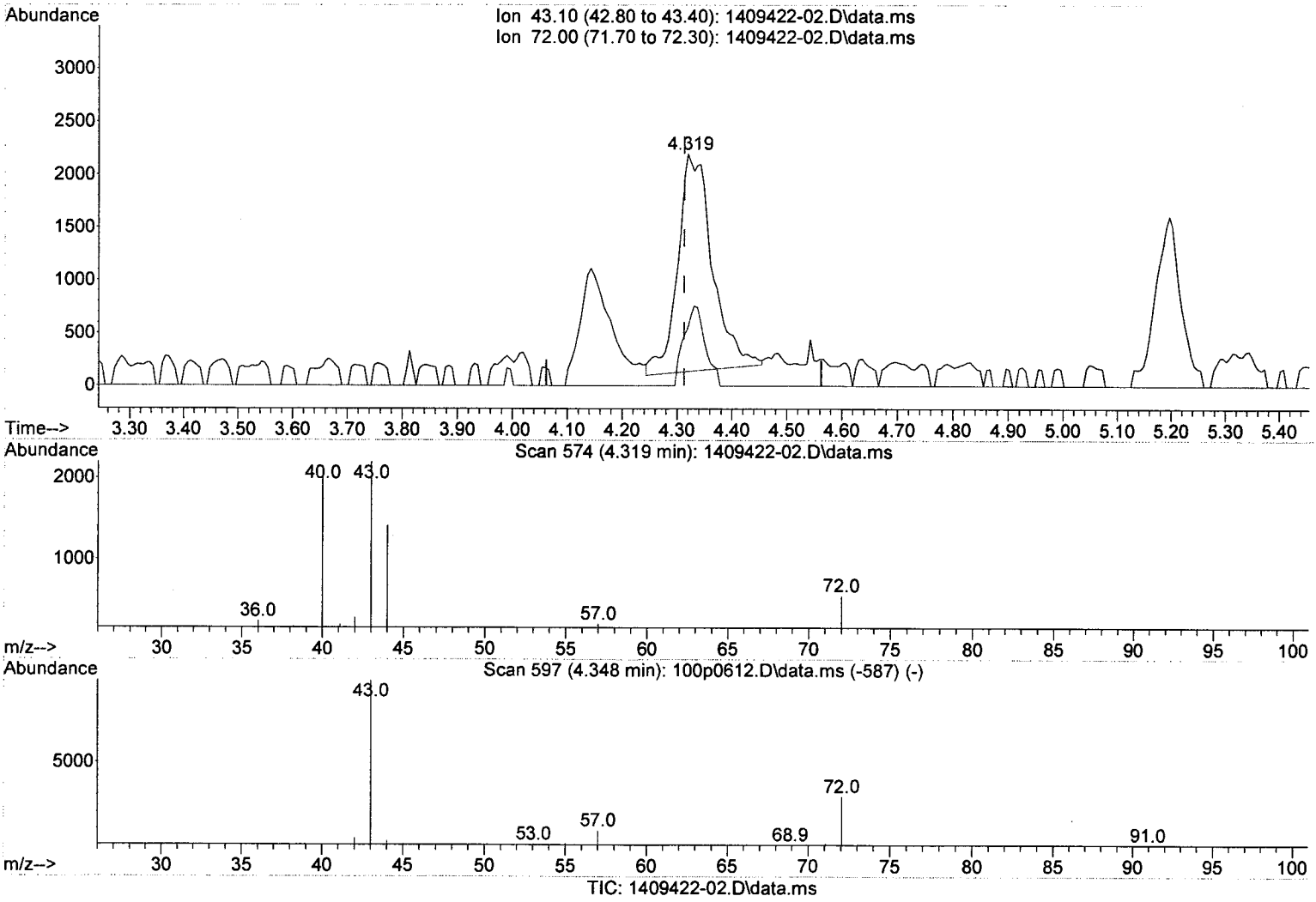
2.237min (+ 0.006) 13.42 ug/L

response 39296

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	33.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-02.D
Acq On : 30 Sep 2014 20:30
Operator : DLV
Sample : 1409422-02
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 01 07:18:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(25) 2-butanone (MEK)

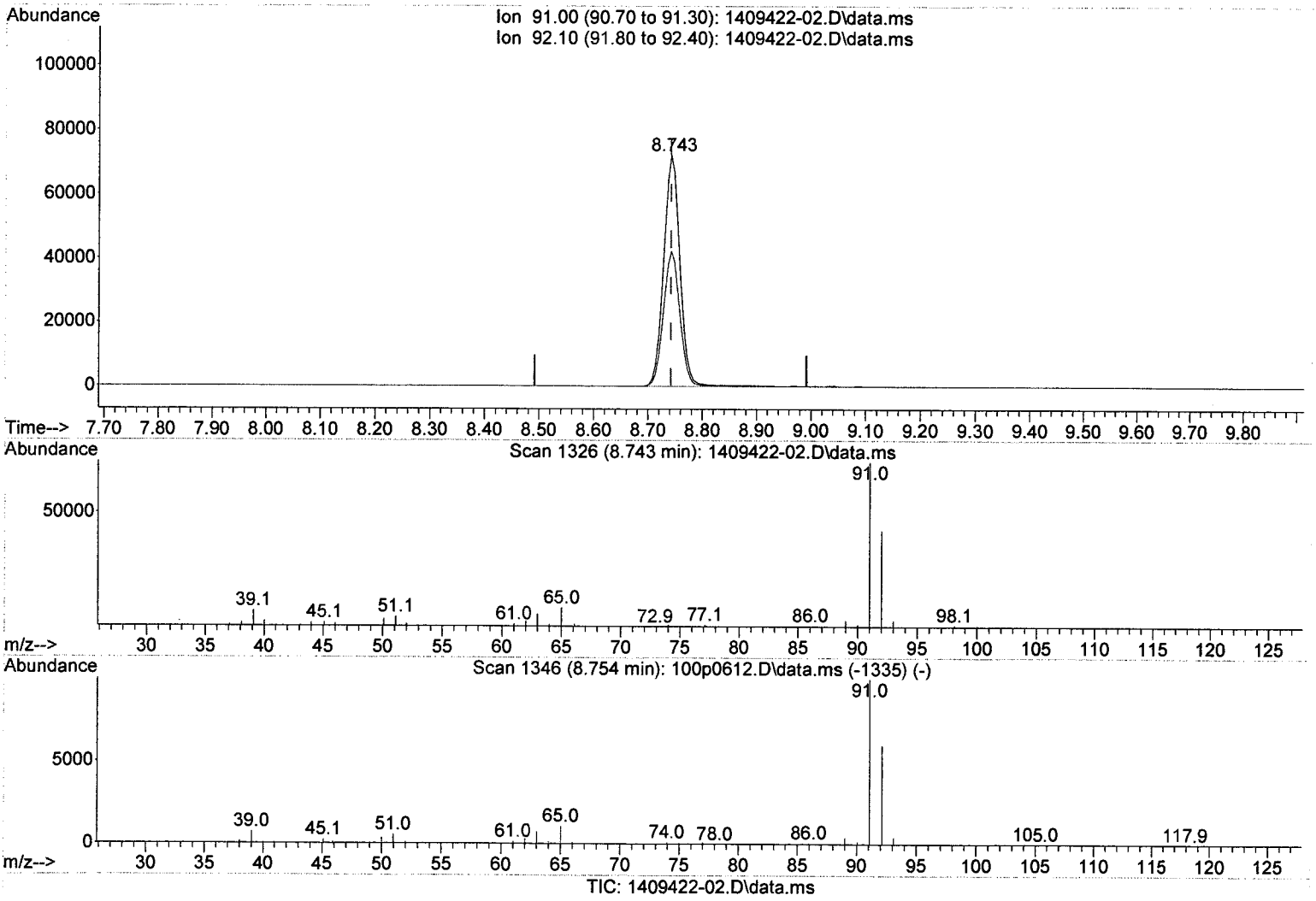
4.319min (+ 0.006) 1.19 ug/L

response 8969

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	22.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-02.D
Acq On : 30 Sep 2014 20:30
Operator : DLV
Sample : 1409422-02
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 01 07:18:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-02.D\data.ms

(47) toluene (C)

8.743min (+ 0.001) 8.55 ug/L

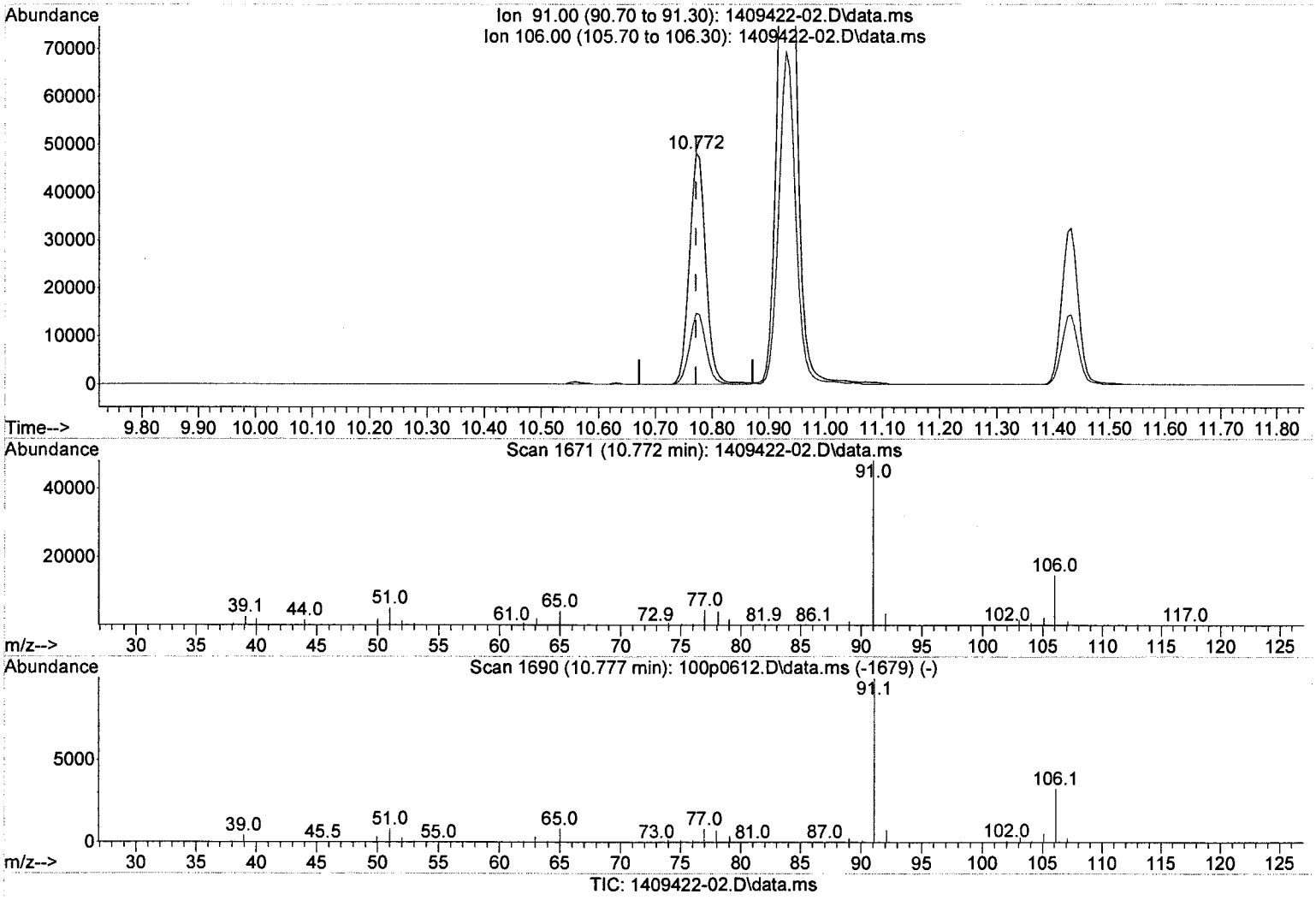
response 150734

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	59.14
0.00	0.00	0.00
0.00	0.00	0.00

000450

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-02.D
Acq On : 30 Sep 2014 20:30
Operator : DLV
Sample : 1409422-02
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 01 07:18:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-02.D\data.ms

(59) ethylbenzene (C)

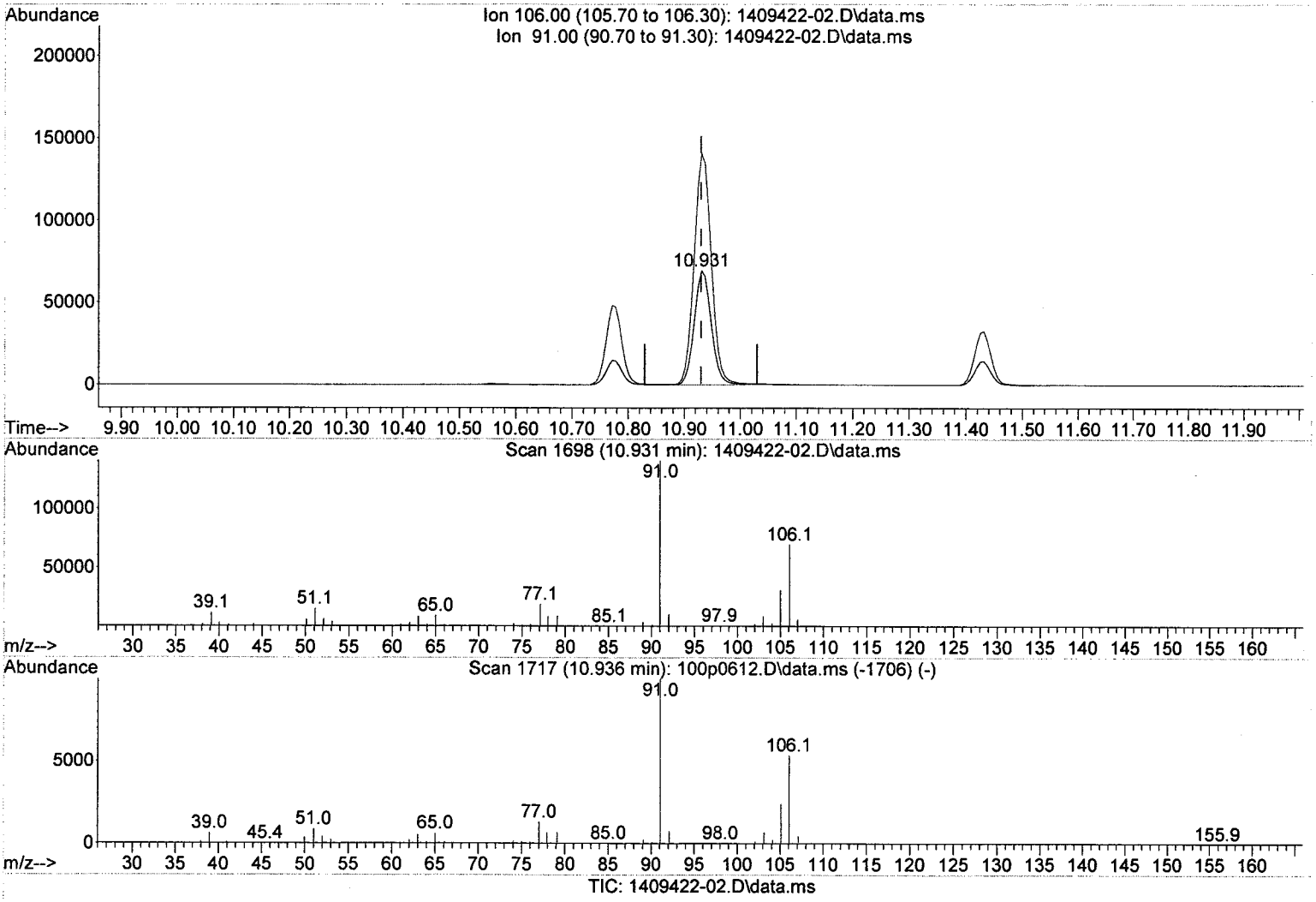
10.772min (-0.000) 4.88 ug/L

response 96095

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	30.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-02.D
Acq On : 30 Sep 2014 20:30
Operator : DLV
Sample : 1409422-02
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 01 07:18:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-02.D\data.ms

(60) m+p-xylene

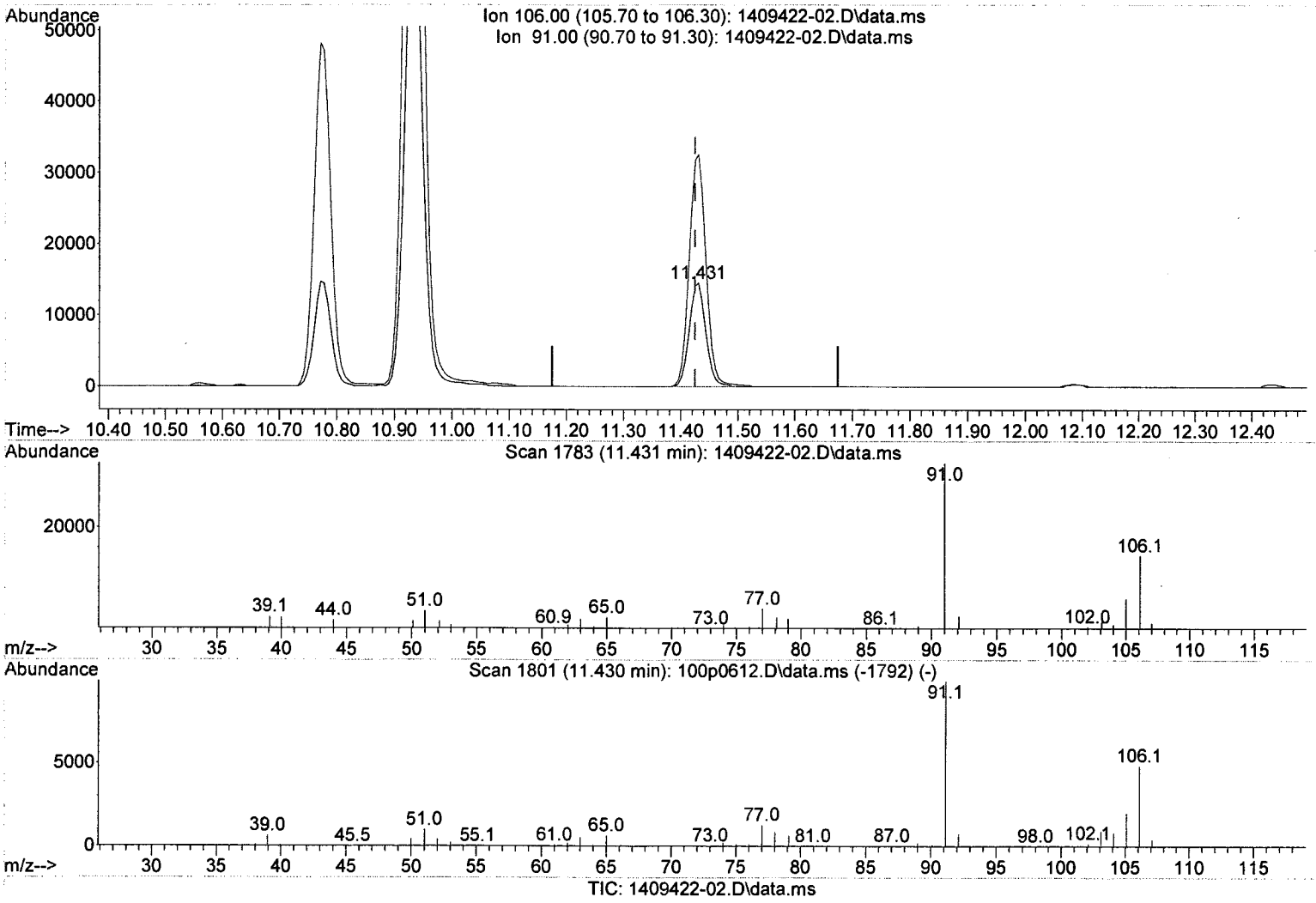
10.931min (+ 0.001) 19.68 ug/L

response 144988

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	202.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-02.D
Acq On : 30 Sep 2014 20:30
Operator : DLV
Sample : 1409422-02
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 01 07:18:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-02.D\data.ms

(61) o-xylene

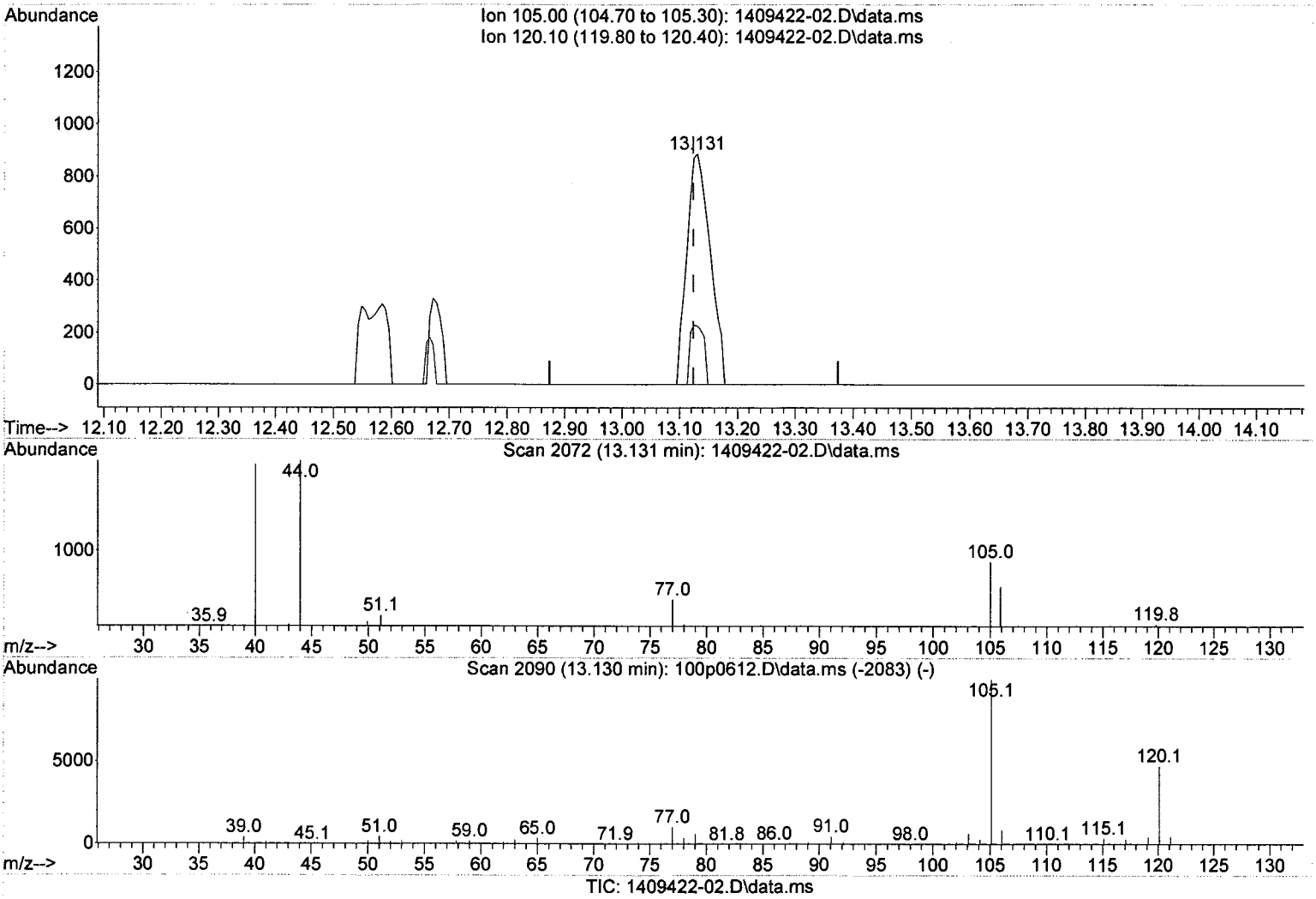
11.431min (+ 0.006) 4.15 ug/L

response 29059

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	228.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-02.D
Acq On : 30 Sep 2014 20:30
Operator : DLV
Sample : 1409422-02
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 01 07:18:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-02.D\data.ms

(76) 1,2,4-trimethylbenzene

13.131min (+ 0.007) 0.15 ug/L

response 2459

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB15-13

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-03 File ID: 1409422-03.D

Sampled: 09/23/14 09:10 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 20:54

Solids: 97.34 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	13	4.6	5.5	5.5	
71-43-2	Benzene	1	0.55	0.17	0.55	1.1	U
108-86-1	Bromobenzene	1	0.55	0.15	0.55	1.1	U
74-97-5	Bromochloromethane	1	0.55	0.16	0.55	1.1	U
75-27-4	Bromodichloromethane	1	0.55	0.19	0.55	1.1	U
75-25-2	Bromoform	1	0.55	0.39	0.55	1.1	U
74-83-9	Bromomethane	1	0.55	0.36	0.55	1.1	U
104-51-8	n-Butylbenzene	1	0.55	0.28	0.55	1.1	U
135-98-8	sec-Butylbenzene	1	0.55	0.23	0.55	1.1	U
98-06-6	tert-Butylbenzene	1	0.55	0.18	0.55	1.1	U
75-15-0	Carbon Disulfide	1	0.55	0.25	0.55	1.1	U
56-23-5	Carbon Tetrachloride	1	0.55	0.36	0.55	1.1	U
108-90-7	Chlorobenzene	1	0.17	0.16	0.55	1.1	J
75-00-3	Chloroethane	1	1.1	0.55	1.1	1.1	U
67-66-3	Chloroform	1	0.55	0.16	0.55	1.1	U
74-87-3	Chloromethane	1	0.55	0.28	0.55	1.1	U
95-49-8	2-Chlorotoluene	1	0.55	0.32	0.55	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.64	1.1	5.5	U
124-48-1	Dibromochloromethane	1	0.55	0.20	0.55	1.1	U
106-93-4	1,2-Dibromoethane	1	0.55	0.17	0.55	1.1	U
74-95-3	Dibromomethane	1	0.55	0.25	0.55	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.55	0.16	0.55	1.1	U
75-34-3	1,1-Dichloroethane	1	0.55	0.23	0.55	1.1	U
107-06-2	1,2-Dichloroethane	1	0.55	0.25	0.55	1.1	U
75-35-4	1,1-Dichloroethene	1	0.55	0.33	0.55	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.55	0.25	0.55	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.55	0.30	0.55	1.1	U
78-87-5	1,2-Dichloropropane	1	0.55	0.19	0.55	1.1	U
142-28-9	1,3-Dichloropropane	1	0.55	0.16	0.55	1.1	U
594-20-7	2,2-Dichloropropane	1	0.55	0.25	0.55	1.1	U
563-58-6	1,1-Dichloropropene	1	0.55	0.30	0.55	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.12	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.55	0.13	0.55	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB15-13

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-03 File ID: 1409422-03.D

Sampled: 09/23/14 09:10 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 20:54

Solids: 97.34 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	5.3	0.20	0.55	1.1	
87-68-3	Hexachlorobutadiene	1	0.55	0.23	0.55	1.1	U
591-78-6	2-Hexanone	1	0.55	0.52	0.55	5.5	U
98-82-8	Isopropylbenzene	1	0.22	0.12	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.55	0.26	0.55	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.51	1.1	5.5	U
78-93-3	2-Butanone (MEK)	1	2.1	1.2	5.5	5.5	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.55	0.42	0.55	5.5	U
91-20-3	Naphthalene	1	0.55	0.18	0.55	5.5	U
103-65-1	n-Propylbenzene	1	0.55	0.13	0.55	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
127-18-4	Tetrachloroethene	1	0.55	0.19	0.55	1.1	U
108-88-3	Toluene	1	9.5	0.11	0.22	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.55	0.31	0.55	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.55	0.19	0.55	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.55	0.16	0.55	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.55	0.23	0.55	1.1	U
79-01-6	Trichloroethene	1	0.55	0.26	0.55	1.1	U
75-69-4	Trichlorofluoromethane	1	0.55	0.19	0.55	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.55	0.25	0.55	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.16	0.12	0.55	1.1	J
108-67-8	1,3,5-Trimethylbenzene	1	0.55	0.21	0.55	1.1	U
75-01-4	Vinyl Chloride	1	0.55	0.22	0.55	1.1	U
179601-23-1	Xylene, Meta + Para	1	21	0.16	0.44	2.2	
95-47-6	Xylene, Ortho	1	4.8	0.12	0.22	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.6	104	78 - 119	
1,2-Dichloroethane-d4	40.0	43.6	109	71 - 136	
Toluene-d8	40.0	39.1	98	85 - 116	
4-Bromofluorobenzene	40.0	40.9	102	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	466669	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB15-13

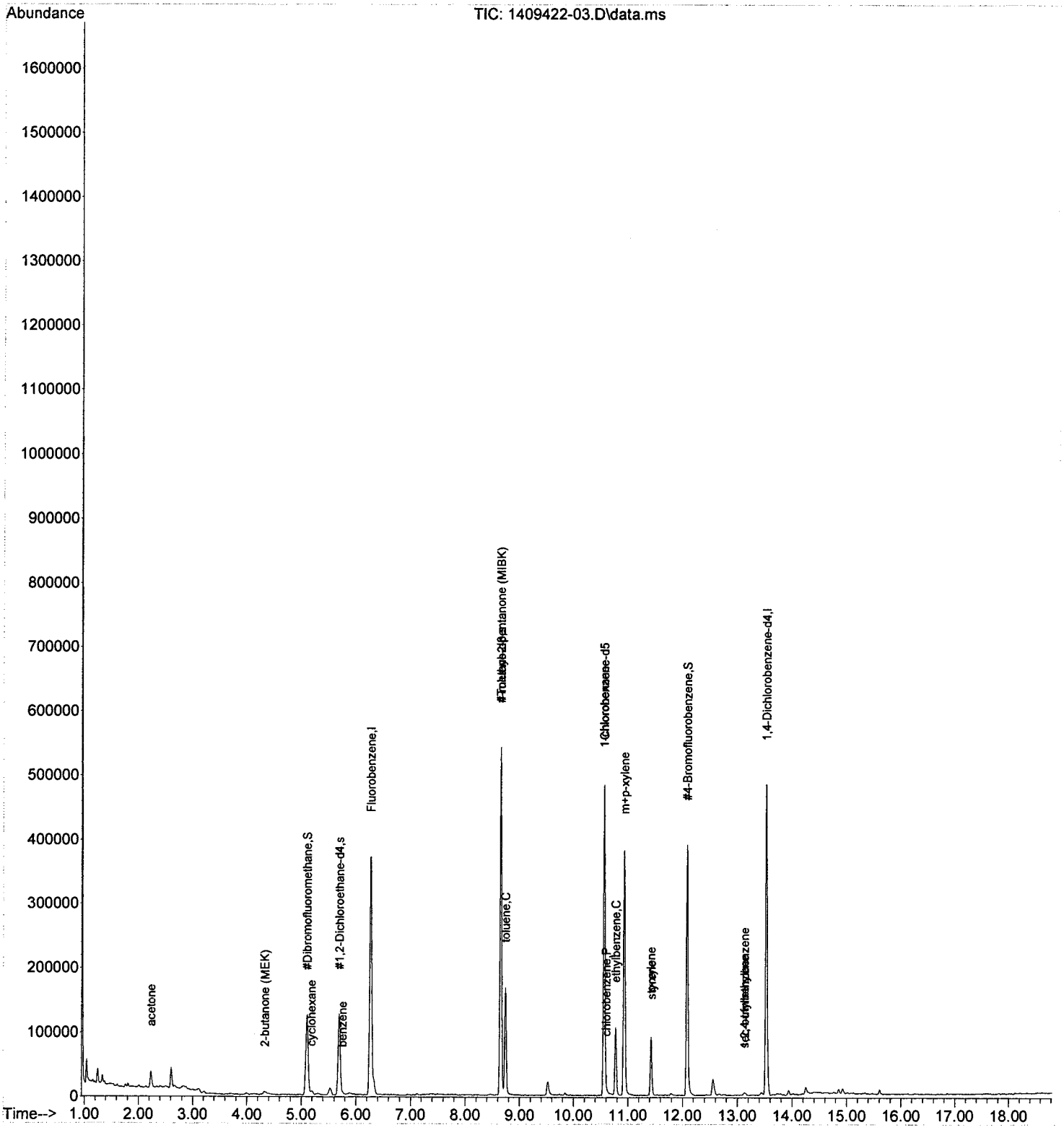
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-03
File ID: 1409422-03.D
Sampled: 09/23/14 09:10
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 20:54
Solids: 97.34
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	328716	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	166311	13.53	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-03.D
Acq On : 30 Sep 2014 20:54
Operator : DLV
Sample : 1409422-03
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 01 07:18:37 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000458

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-03.D
Acq On : 30 Sep 2014 20:54
Operator : DLV
Sample : 1409422-03
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 01 07:18:37 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	466669	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	328716	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	166311	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	122126	41.62	ug/L	0.00
Spiked Amount 40.000			Recovery = 104.05%			
37) #1,2-Dichloroethane-d4	5.695	67	72889	43.55	ug/L	0.00
Spiked Amount 40.000			Recovery = 108.87%			
46) #Toluene-d8	8.654	98	442556	39.06	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.65%			
64) #4-Bromofluorobenzene	12.083	95	168691	40.94	ug/L	0.00
Spiked Amount 40.000			Recovery = 102.35%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	36693	12.10	ug/L	95
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	18193	Below Cal		96
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.331	43	10104	1.95	ug/L	95
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	5.189	56	1506	0.21	ug/L #	18
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	5.754	78	1585	0.10	ug/L #	65
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-03.D
Acq On : 30 Sep 2014 20:54
Operator : DLV
Sample : 1409422-03
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 01 07:18:37 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

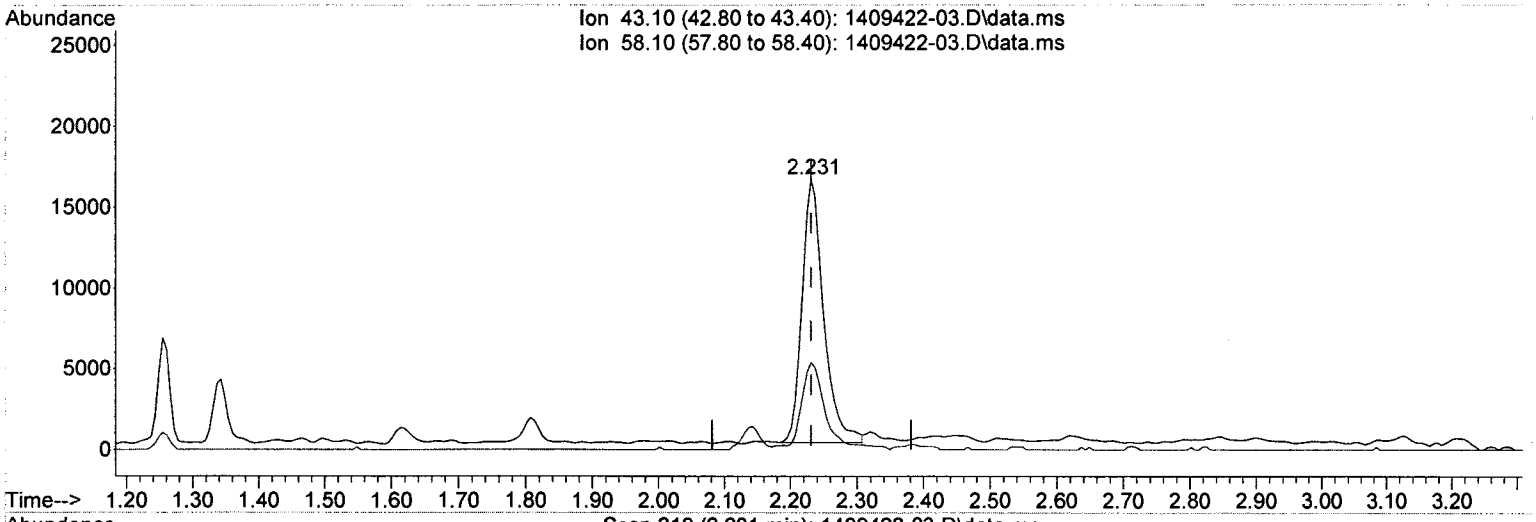
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	8.654	43	1867	~~0.52~~ ug/L #	1
47) toluene	8.742	91	149196	8.69 ug/L	99
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	10.601	112	1808	0.16 ug/L #	27
57) 1-chlorohexane	10.560	55	2613	0.61 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.777	91	92098	4.82 ug/L	98
60) m+p-xylene	10.936	106	138323	19.34 ug/L	99
61) o-xylene	11.430	106	29748	4.38 ug/L	99
62) styrene	11.436	104	2419	~~0.21~~ ug/L #	1
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.136	105	2358	0.15 ug/L #	32
77) sec-butylbenzene	13.136	105	2078	0.10 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

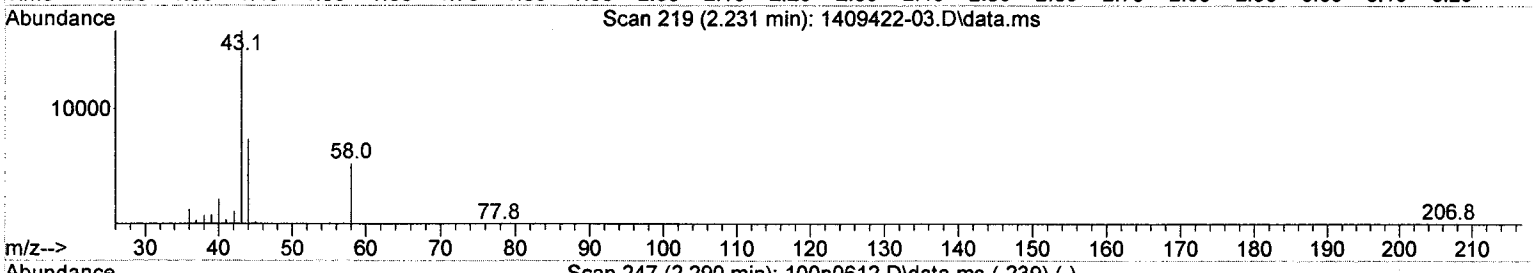
(#) = qualifier out of range (m) = manual integration (+) = signals summed

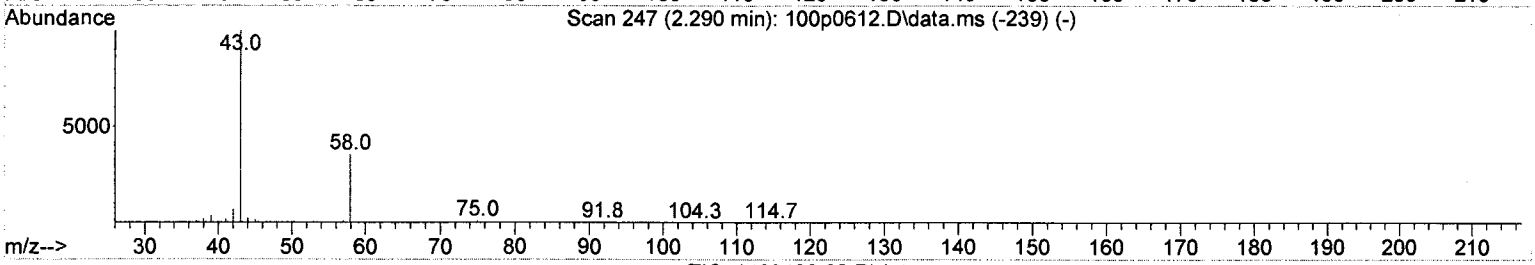
000460

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-03.D
Acq On : 30 Sep 2014 20:54
Operator : DLV
Sample : 1409422-03
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 01 07:18:37 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409422-03.D\data.ms

(13) acetone

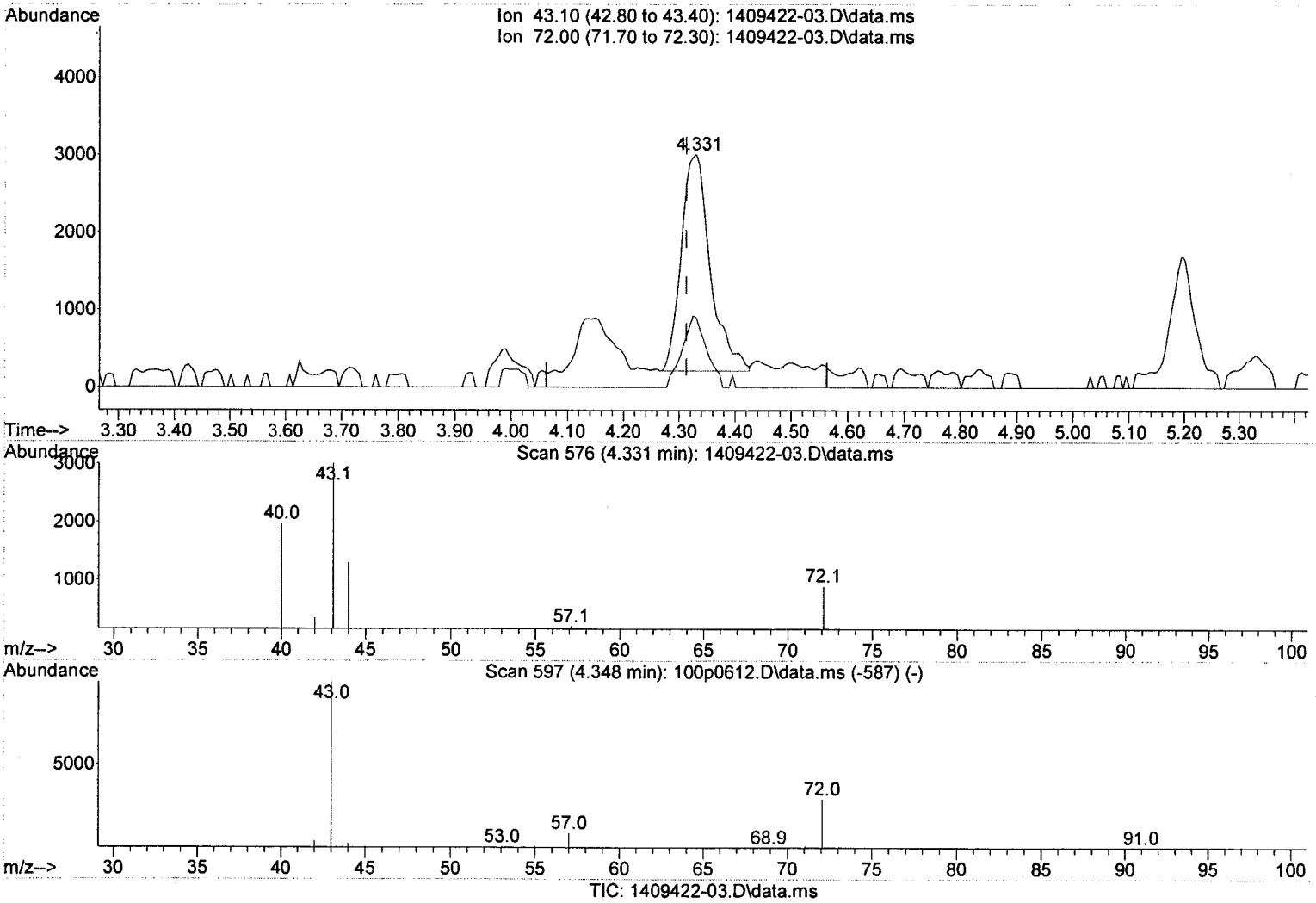
2.231min (-0.000) 12.10 ug/L

response 36693

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	36.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-03.D
Acq On : 30 Sep 2014 20:54
Operator : DLV
Sample : 1409422-03
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 01 07:18:37 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-03.D\data.ms

(25) 2-butanone (MEK)

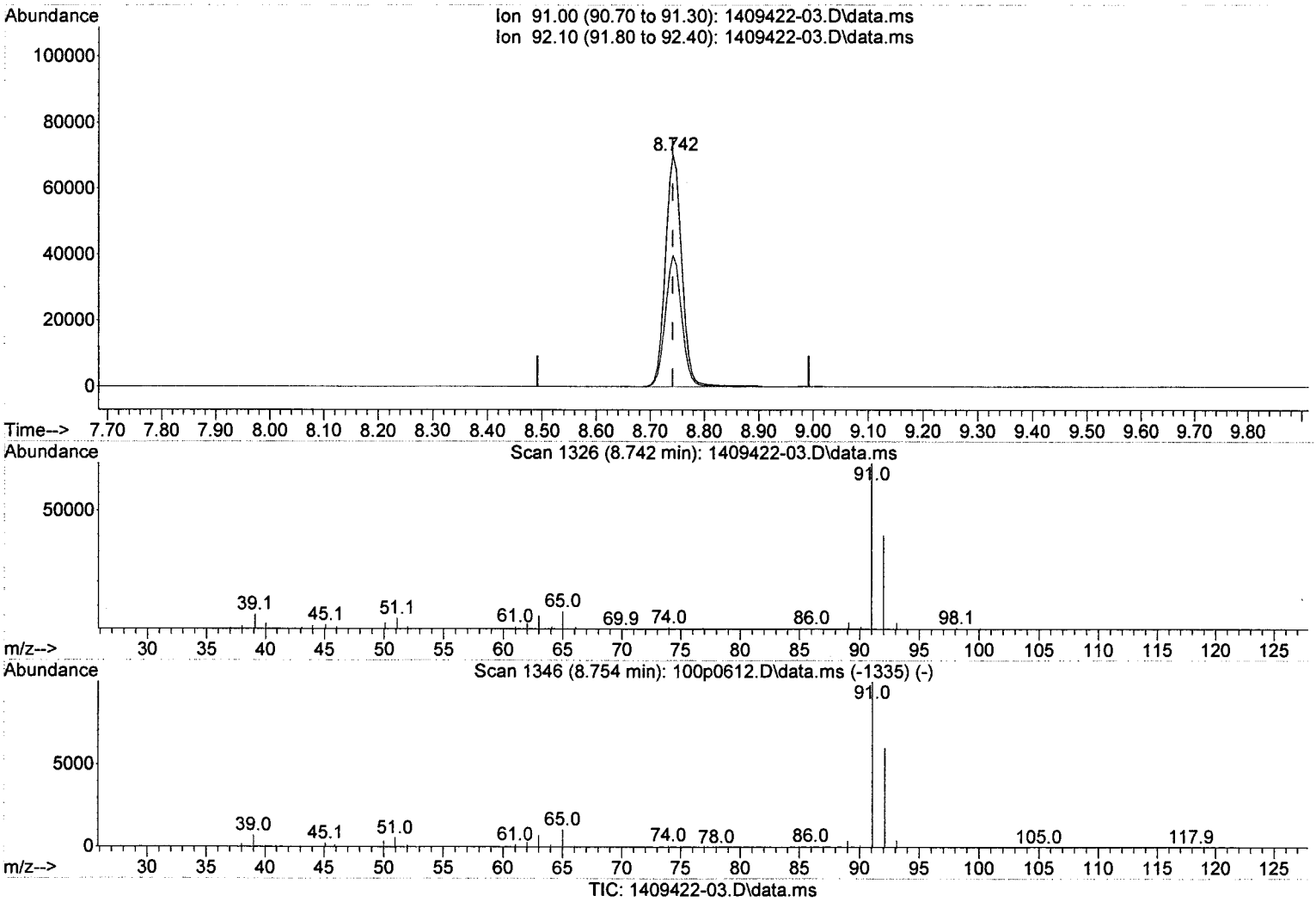
4.331min (+ 0.018) 1.95 ug/L

response 10104

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	27.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-03.D
Acq On : 30 Sep 2014 20:54
Operator : DLV
Sample : 1409422-03
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 01 07:18:37 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-03.D\data.ms

(47) toluene (C)

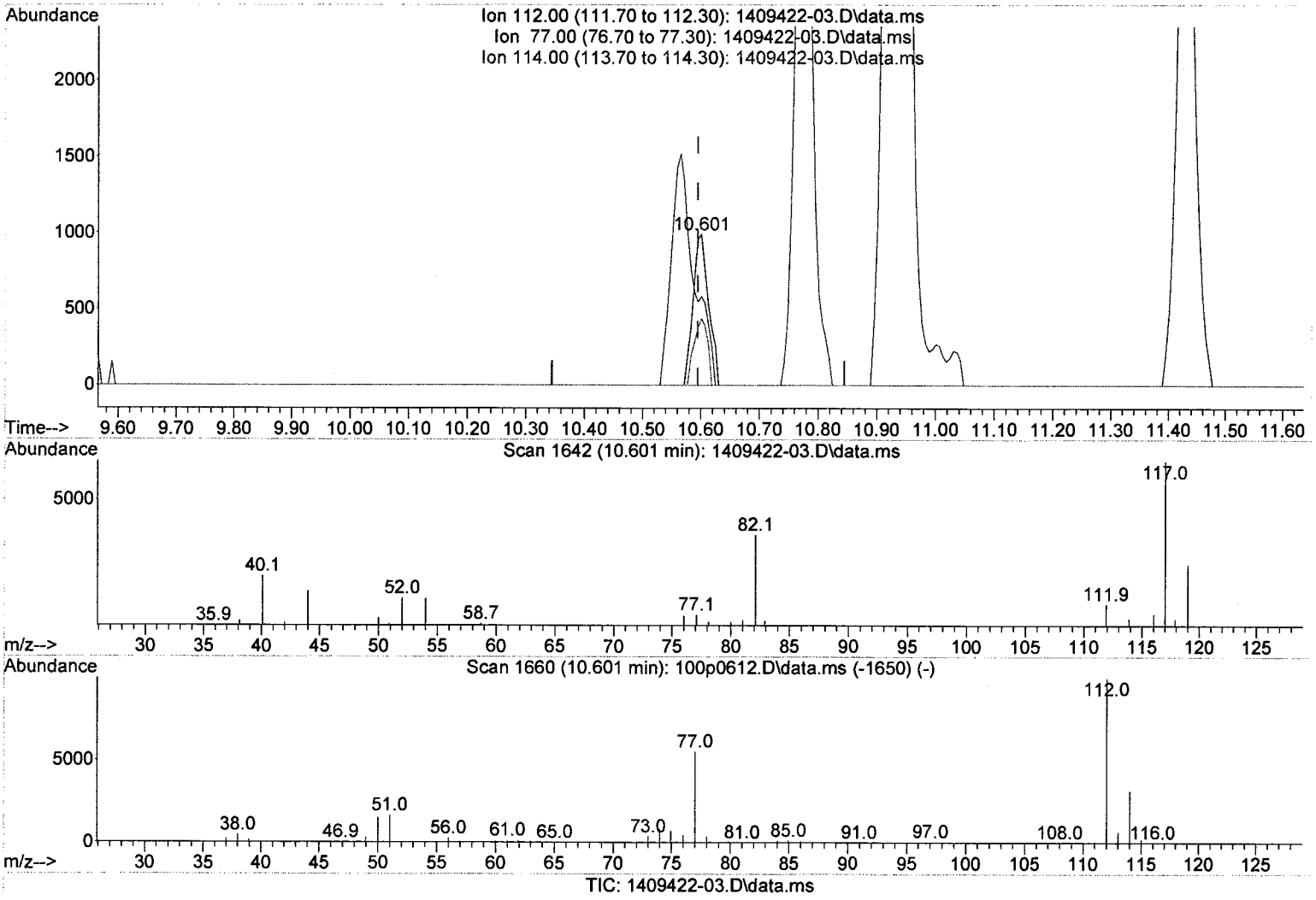
8.742min (+ 0.000) 8.69 ug/L

response 149196

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	56.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-03.D
Acq On : 30 Sep 2014 20:54
Operator : DLV
Sample : 1409422-03
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 01 07:18:37 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-03.D\data.ms

(56) chlorobenzene (P)

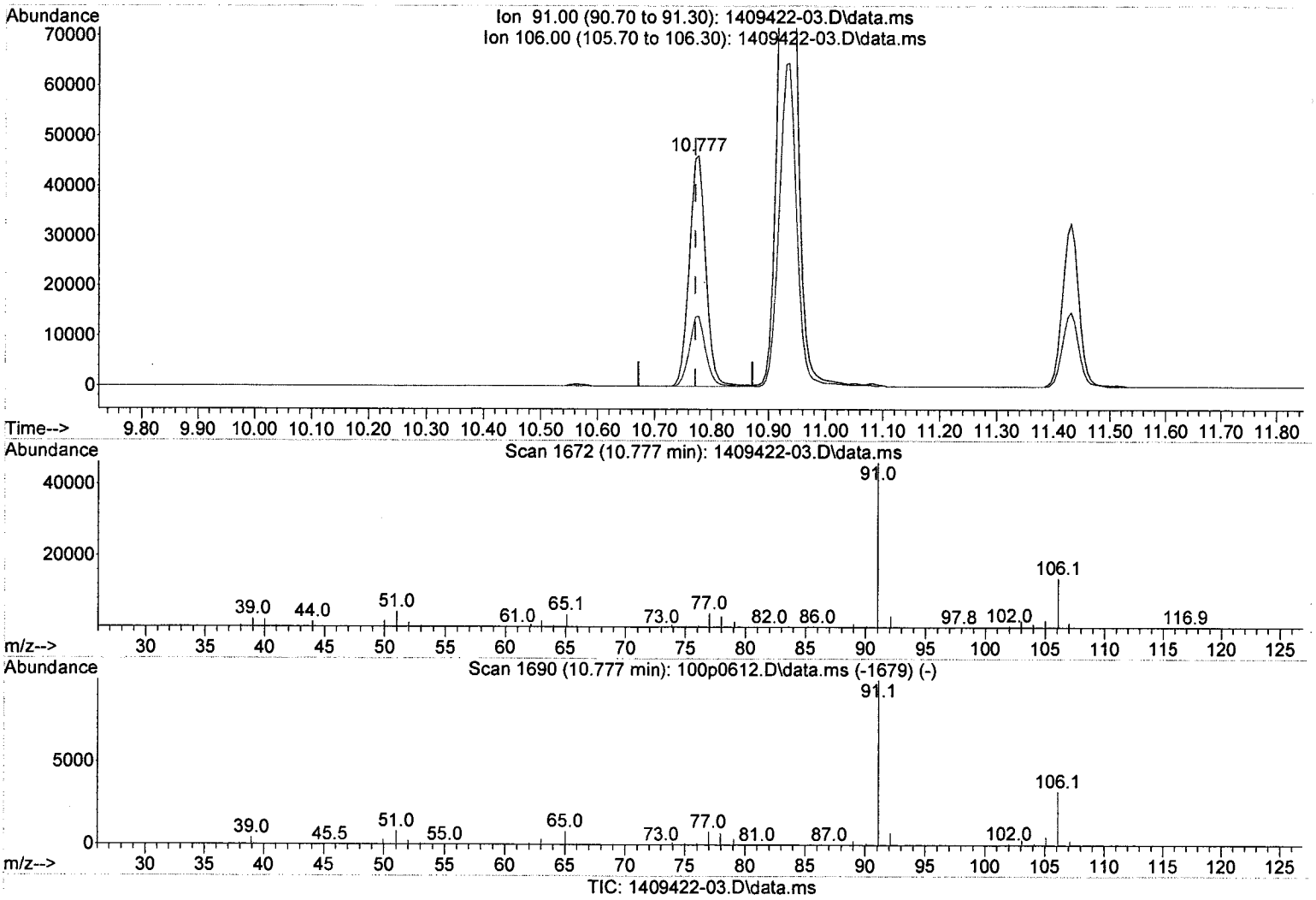
10.601min (+ 0.006) 0.16 ug/L

response 1808

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-03.D
Acq On : 30 Sep 2014 20:54
Operator : DLV
Sample : 1409422-03
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 01 07:18:37 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-03.D\data.ms

(59) ethylbenzene (C)

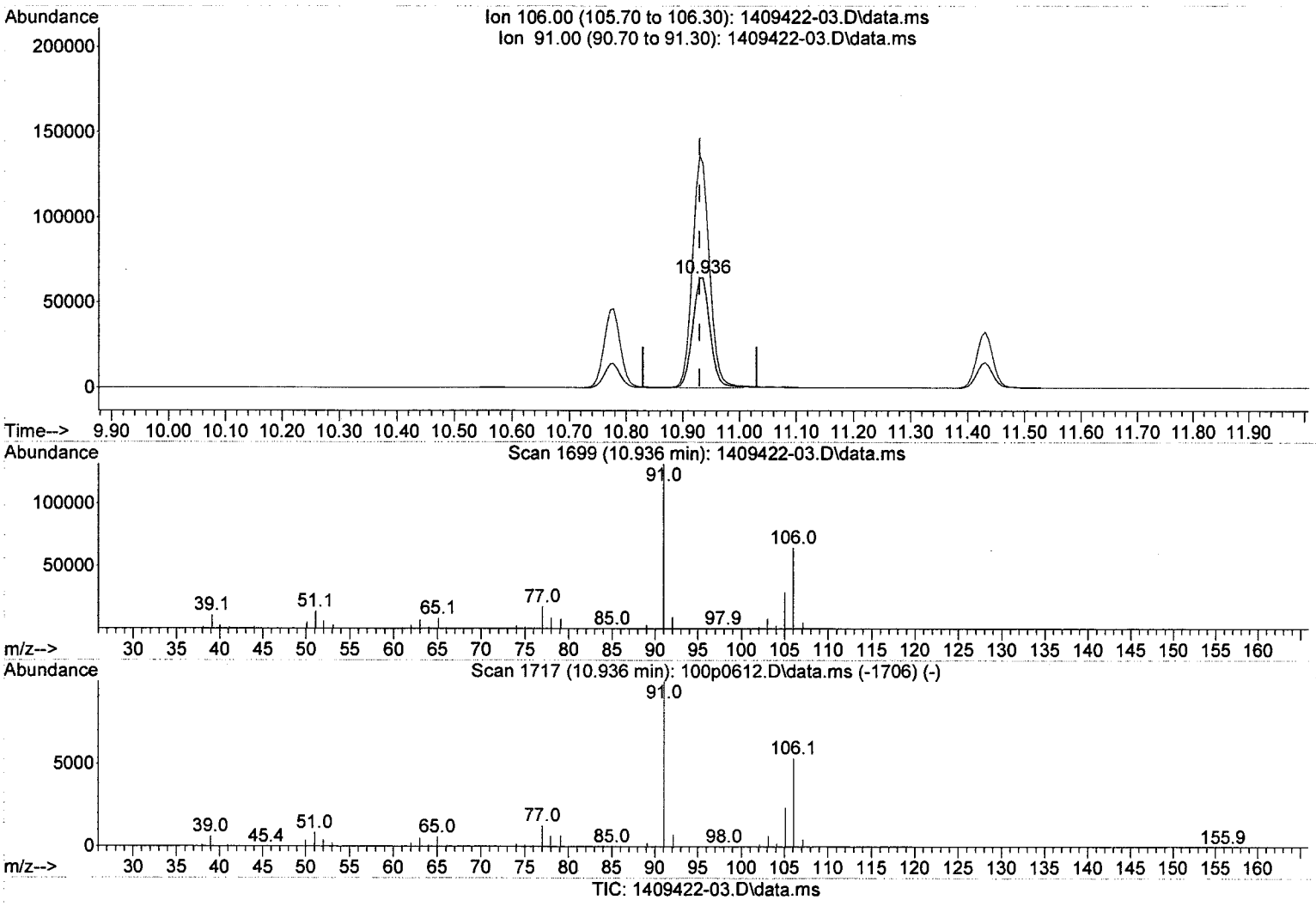
10.777min (+ 0.005) 4.82 ug/L

response 92098

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	29.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-03.D
Acq On : 30 Sep 2014 20:54
Operator : DLV
Sample : 1409422-03
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 01 07:18:37 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-03.D\data.ms

(60) m+p-xylene

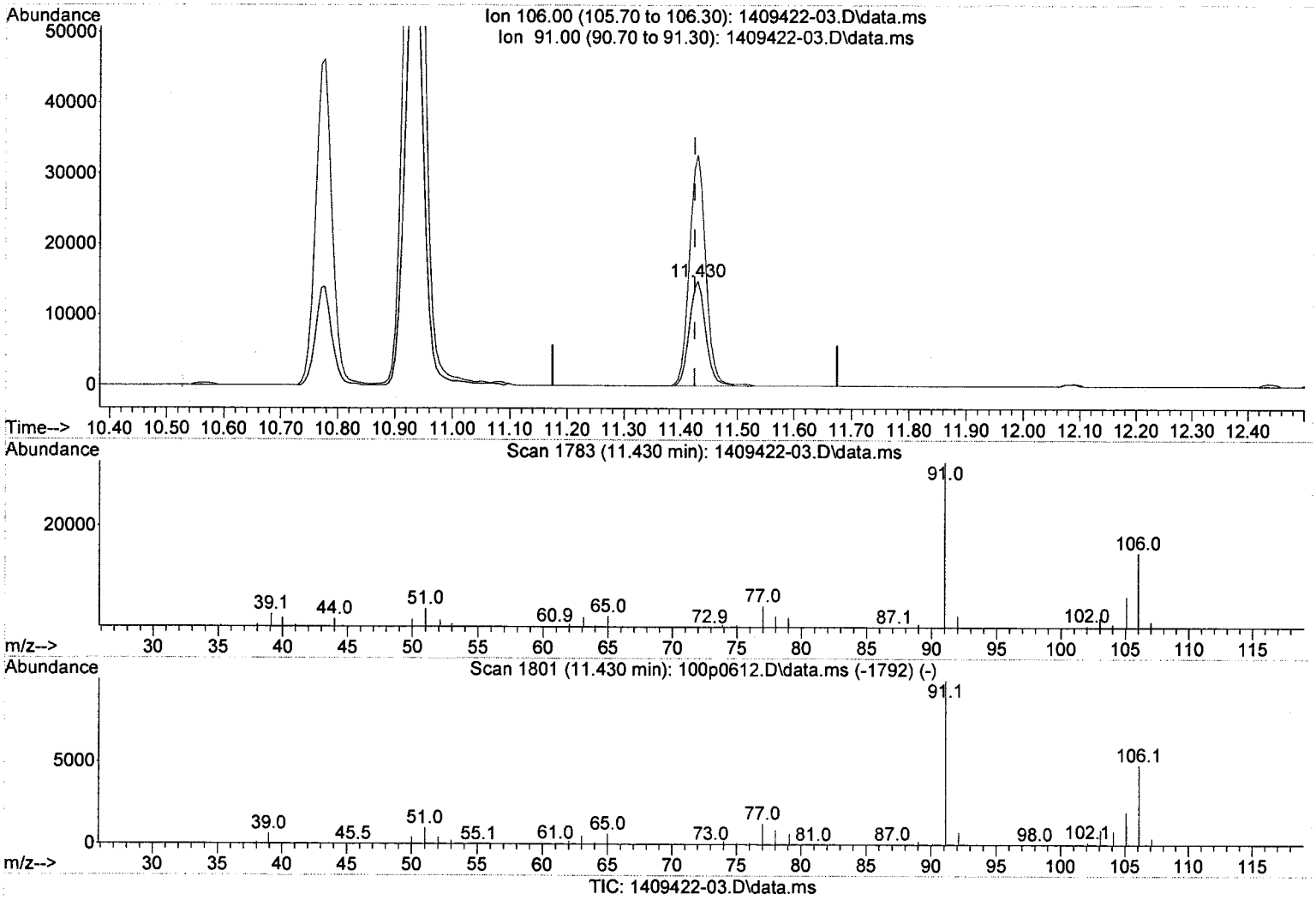
10.936min (+ 0.006) 19.34 ug/L

response 138323

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	206.02
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-03.D
Acq On : 30 Sep 2014 20:54
Operator : DLV
Sample : 1409422-03
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 01 07:18:37 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-03.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 4.38 ug/L

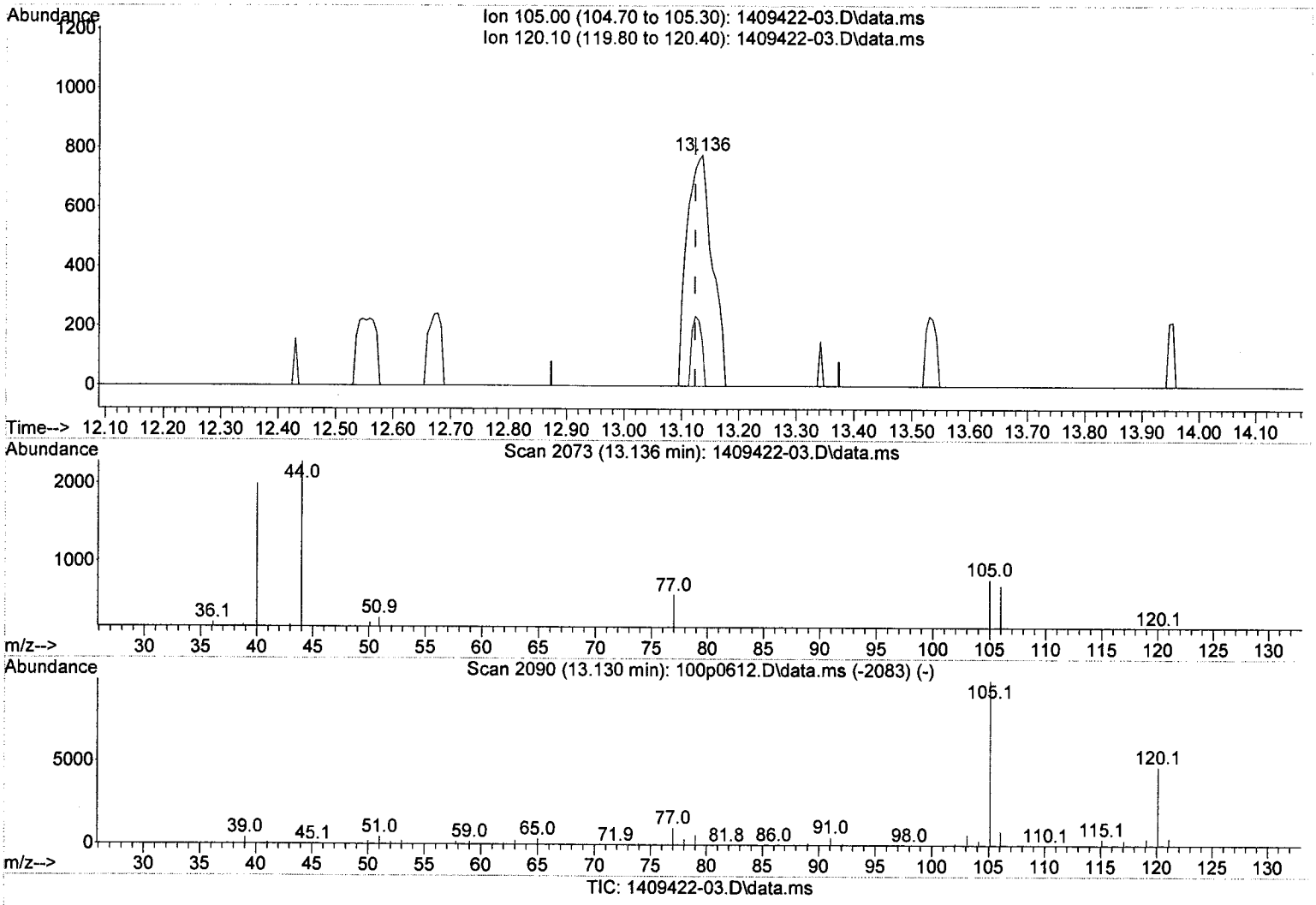
response 29748

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	221.28
0.00	0.00	0.00
0.00	0.00	0.00

000467

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-03.D
Acq On : 30 Sep 2014 20:54
Operator : DLV
Sample : 1409422-03
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 01 07:18:37 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-03.D\data.ms

(76) 1,2,4-trimethylbenzene

13.136min (+ 0.012) 0.15 ug/L

response 2358

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB17-21

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-04 File ID: 1409422-04.D

Sampled: 09/23/14 12:40 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 21:17

Solids: 97.99 Preparation: 5035A Low Concentratio Initial/Final: 5.2 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	24	4.3	5.1	5.1	
71-43-2	Benzene	1	0.51	0.16	0.51	1.0	U
108-86-1	Bromobenzene	1	0.51	0.14	0.51	1.0	U
74-97-5	Bromochloromethane	1	0.51	0.15	0.51	1.0	U
75-27-4	Bromodichloromethane	1	0.51	0.18	0.51	1.0	U
75-25-2	Bromoform	1	0.51	0.36	0.51	1.0	U
74-83-9	Bromomethane	1	0.51	0.33	0.51	1.0	U
104-51-8	n-Butylbenzene	1	0.51	0.26	0.51	1.0	U
135-98-8	sec-Butylbenzene	1	0.51	0.22	0.51	1.0	U
98-06-6	tert-Butylbenzene	1	0.51	0.17	0.51	1.0	U
75-15-0	Carbon Disulfide	1	0.47	0.24	0.51	1.0	J
56-23-5	Carbon Tetrachloride	1	0.51	0.33	0.51	1.0	U
108-90-7	Chlorobenzene	1	0.18	0.15	0.51	1.0	J
75-00-3	Chloroethane	1	1.0	0.51	1.0	1.0	U
67-66-3	Chloroform	1	0.51	0.14	0.51	1.0	U
74-87-3	Chloromethane	1	0.51	0.26	0.51	1.0	U
95-49-8	2-Chlorotoluene	1	0.51	0.30	0.51	1.0	U
106-43-4	4-Chlorotoluene	1	0.20	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.60	1.0	5.1	U
124-48-1	Dibromochloromethane	1	0.51	0.19	0.51	1.0	U
106-93-4	1,2-Dibromoethane	1	0.51	0.16	0.51	1.0	U
74-95-3	Dibromomethane	1	0.51	0.23	0.51	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.095	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.51	0.15	0.51	1.0	U
75-34-3	1,1-Dichloroethane	1	0.51	0.21	0.51	1.0	U
107-06-2	1,2-Dichloroethane	1	0.51	0.23	0.51	1.0	U
75-35-4	1,1-Dichloroethene	1	0.51	0.31	0.51	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.51	0.23	0.51	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.51	0.28	0.51	1.0	U
78-87-5	1,2-Dichloropropane	1	0.51	0.17	0.51	1.0	U
142-28-9	1,3-Dichloropropane	1	0.51	0.14	0.51	1.0	U
594-20-7	2,2-Dichloropropane	1	0.51	0.23	0.51	1.0	U
563-58-6	1,1-Dichloropropene	1	0.51	0.28	0.51	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.20	0.12	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.51	0.12	0.51	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB17-21

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-04 File ID: 1409422-04.D

Sampled: 09/23/14 12:40 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 21:17

Solids: 97.99 Preparation: 5035A Low Concentratio Initial/Final: 5.2 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	5.5	0.19	0.51	1.0	
87-68-3	Hexachlorobutadiene	1	0.51	0.21	0.51	1.0	U
591-78-6	2-Hexanone	1	0.51	0.49	0.51	5.1	U
98-82-8	Isopropylbenzene	1	0.20	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	1	0.51	0.24	0.51	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.1	U
78-93-3	2-Butanone (MEK)	1	2.8	1.1	5.1	5.1	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.51	0.39	0.51	5.1	U
91-20-3	Naphthalene	1	0.51	0.16	0.51	5.1	U
103-65-1	n-Propylbenzene	1	0.51	0.12	0.51	1.0	U
100-42-5	Styrene	1	0.58	0.20	0.20	1.0	J
630-20-6	1,1,1,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
127-18-4	Tetrachloroethene	1	0.51	0.17	0.51	1.0	U
108-88-3	Toluene	1	10	0.10	0.20	1.0	
87-61-6	1,2,3-Trichlorobenzene	1	0.51	0.29	0.51	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.51	0.17	0.51	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.51	0.15	0.51	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.51	0.22	0.51	1.0	U
79-01-6	Trichloroethene	1	0.51	0.25	0.51	1.0	U
75-69-4	Trichlorofluoromethane	1	0.51	0.18	0.51	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.51	0.23	0.51	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.20	0.12	0.51	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.51	0.20	0.51	1.0	U
75-01-4	Vinyl Chloride	1	0.51	0.20	0.51	1.0	U
179601-23-1	Xylene, Meta + Para	1	21	0.15	0.41	2.0	
95-47-6	Xylene, Ortho	1	4.9	0.11	0.20	1.0	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.8	102	78 - 119	
1,2-Dichloroethane-d4	40.0	43.8	109	71 - 136	
Toluene-d8	40.0	39.4	98	85 - 116	
4-Bromofluorobenzene	40.0	40.5	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	469805	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB17-21

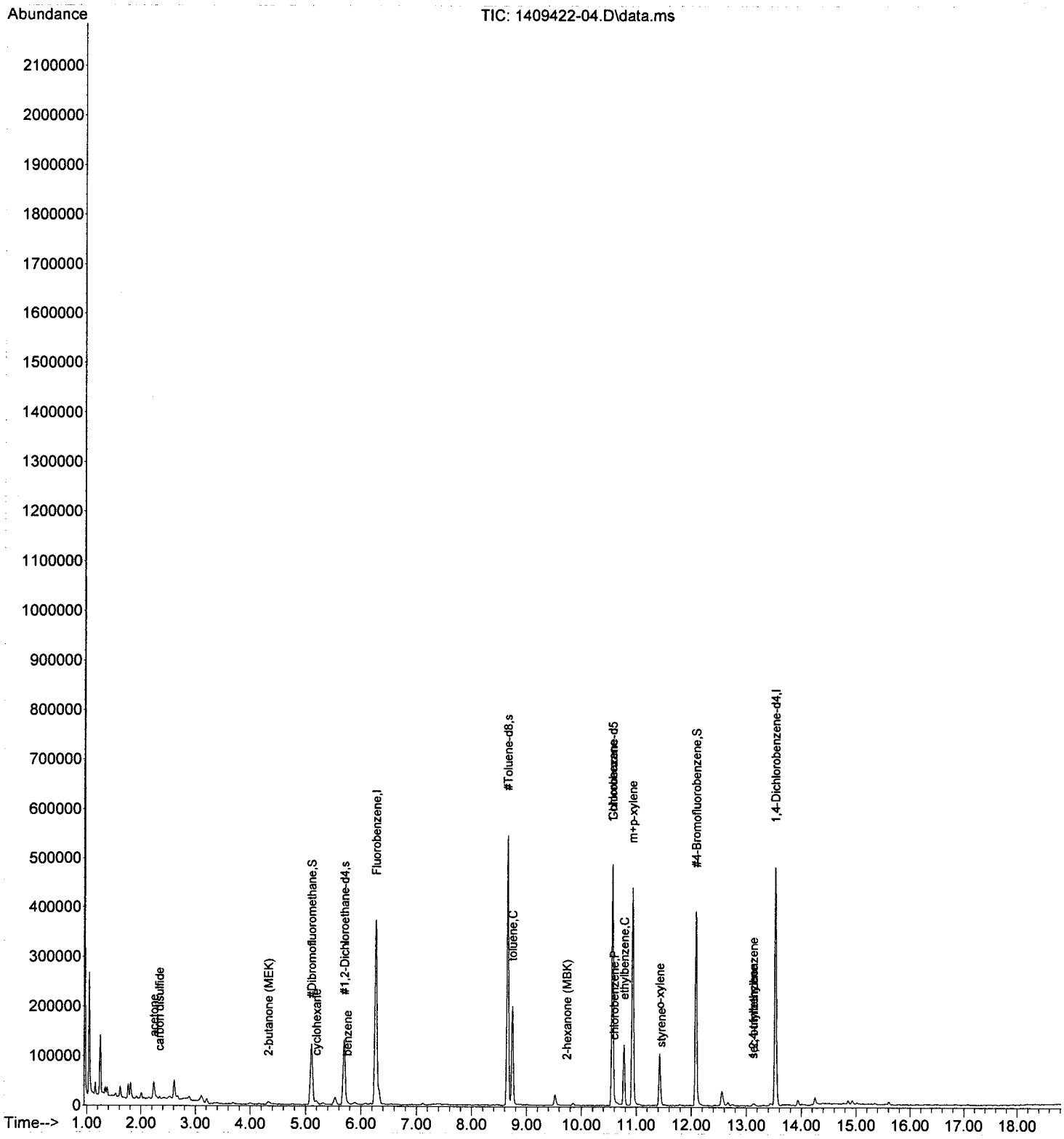
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-04
File ID: 1409422-04.D
Sampled: 09/23/14 12:40
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 21:17
Solids: 97.99
Preparation: 5035A Low Concentratio
Initial/Final: 5.2 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	327476	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	167071	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	469805	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	327476	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	167071	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	120642	40.83	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.08%				
37) #1,2-Dichloroethane-d4	5.695	67	73717	43.75	ug/L		0.00
Spiked Amount 40.000			Recovery = 109.38%				
46) #Toluene-d8	8.654	98	449160	39.37	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.42%				
64) #4-Bromofluorobenzene	12.083	95	166234	40.49	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.23%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	51860	24.65	ug/L		100
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	5216	0.48	ug/L	#	74
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	21049	Below Cal			99
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	11904	2.90	ug/L		98
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	5.195	56	2171	0.31	ug/L	#	18
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.754	78	2492	0.15	ug/L	#	65
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

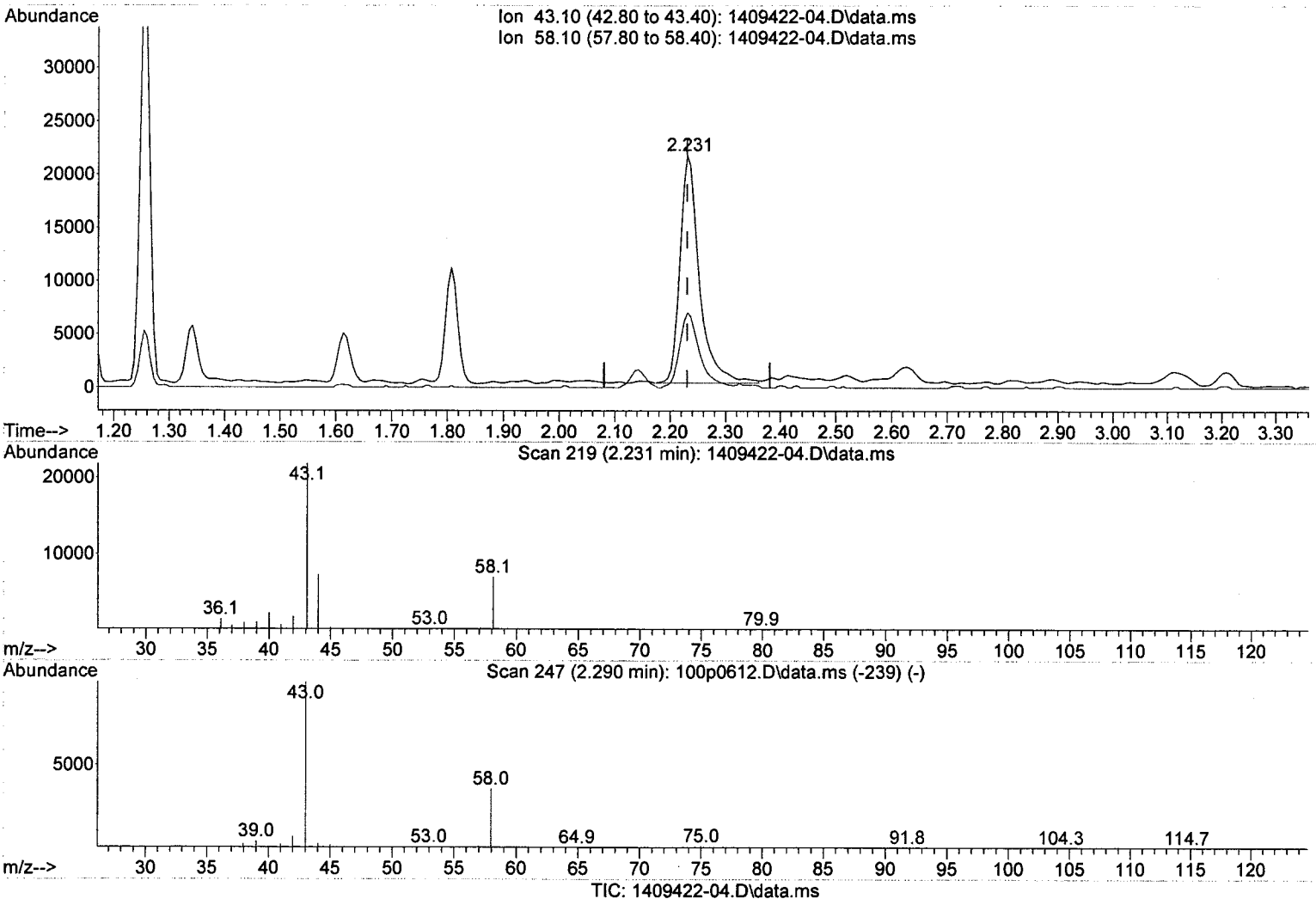
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	8.742	91	175947	10.19	ug/L	100
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	9.736	43	1878	0.69	ug/L #	39
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	10.595	112	1977	0.18	ug/L #	27
57) 1-chlorohexane	10.560	55	2657	0.62	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	10.778	91	106921	5.62	ug/L	97
60) m+p-xylene	10.930	106	152627	21.42	ug/L	98
61) o-xylene	11.430	106	34077	5.03	ug/L	100
62) styrene	11.454	104	6793	0.59	ug/L #	28
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	13.130	105	3171	0.20	ug/L #	32
77) sec-butylbenzene	13.130	105	3082	0.15	ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

000474

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-04.D\data.ms

(13) acetone

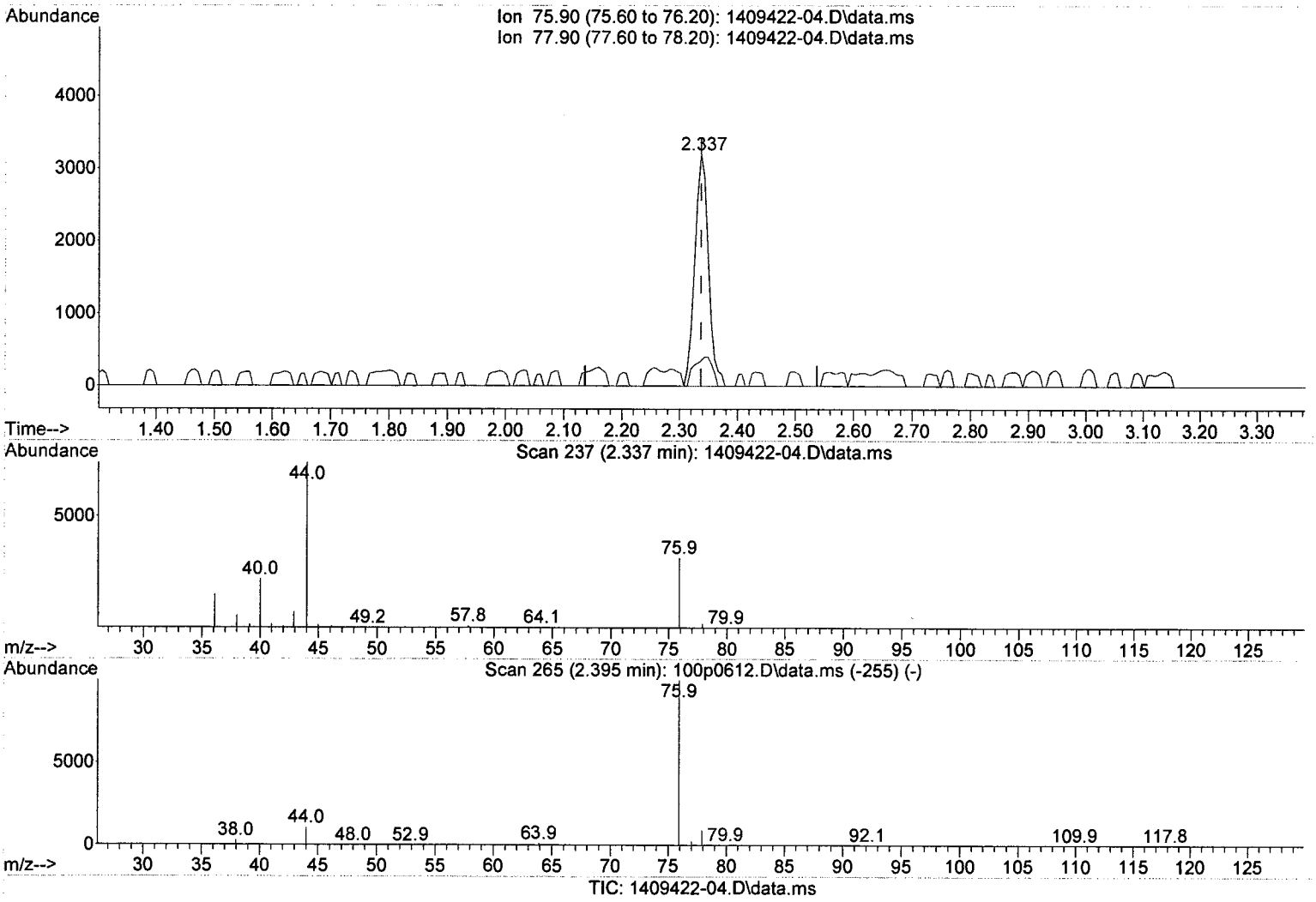
2.231min (-0.000) 24.65 ug/L

response 51860

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	33.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-04.D\data.ms

(15) carbon disulfide

2.337min (-0.000) 0.48 ug/L

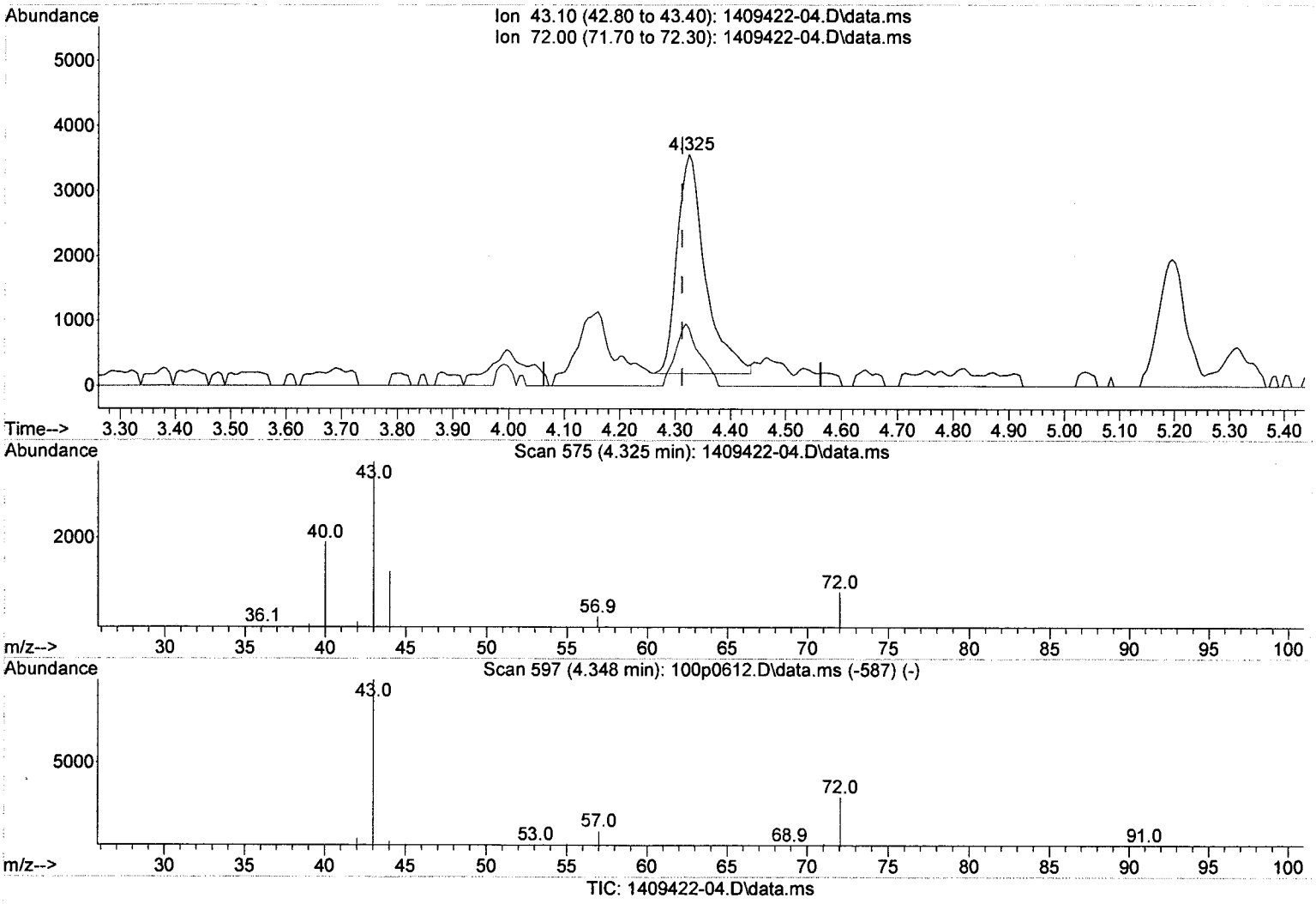
response 5216

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

000476

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-04.D\data.ms

(25) 2-butanone (MEK)

4.325min (+ 0.012) 2.90 ug/L

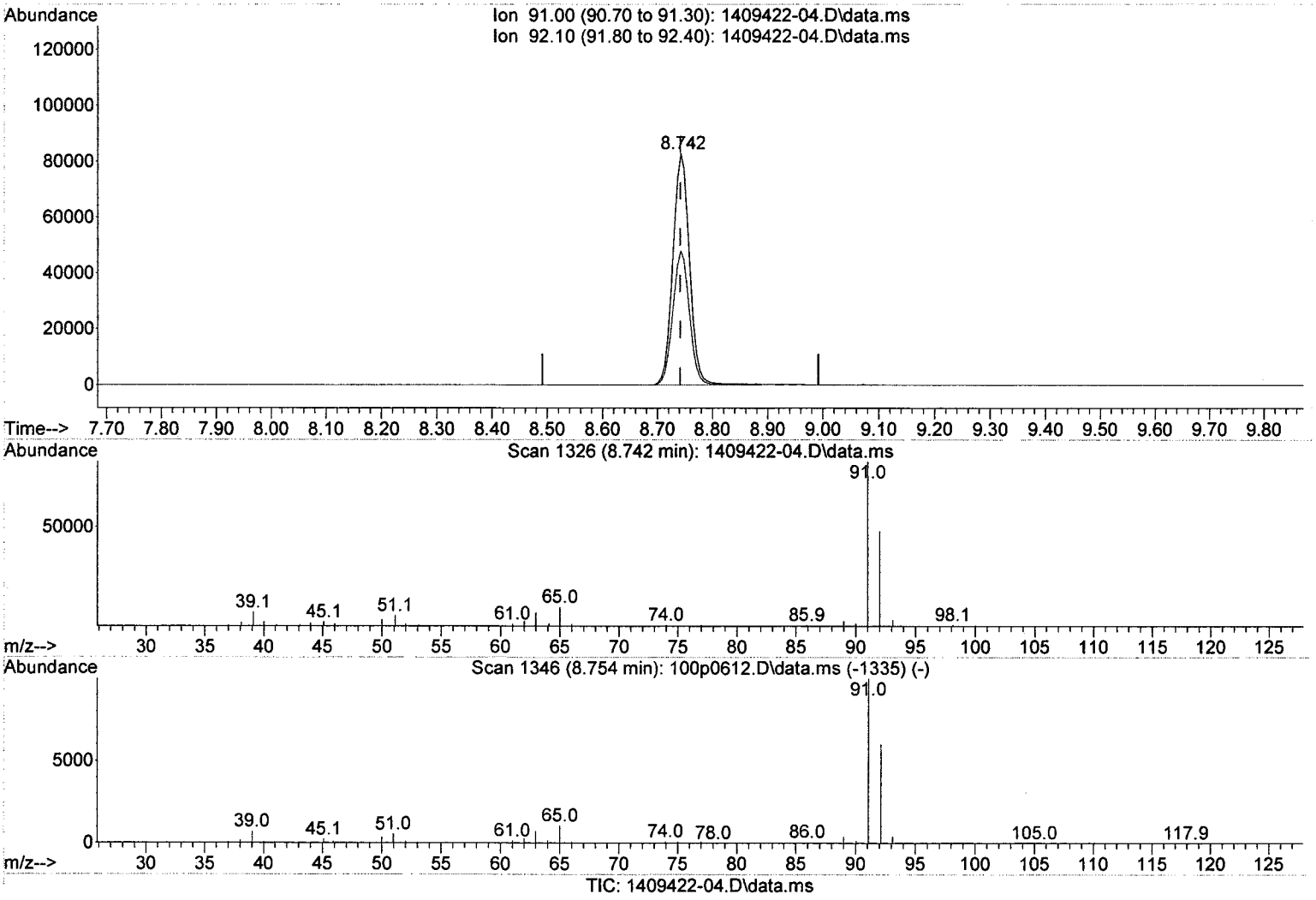
response 11904

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	24.08
0.00	0.00	0.00
0.00	0.00	0.00

000477

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-04.D\data.ms

(47) toluene (C)

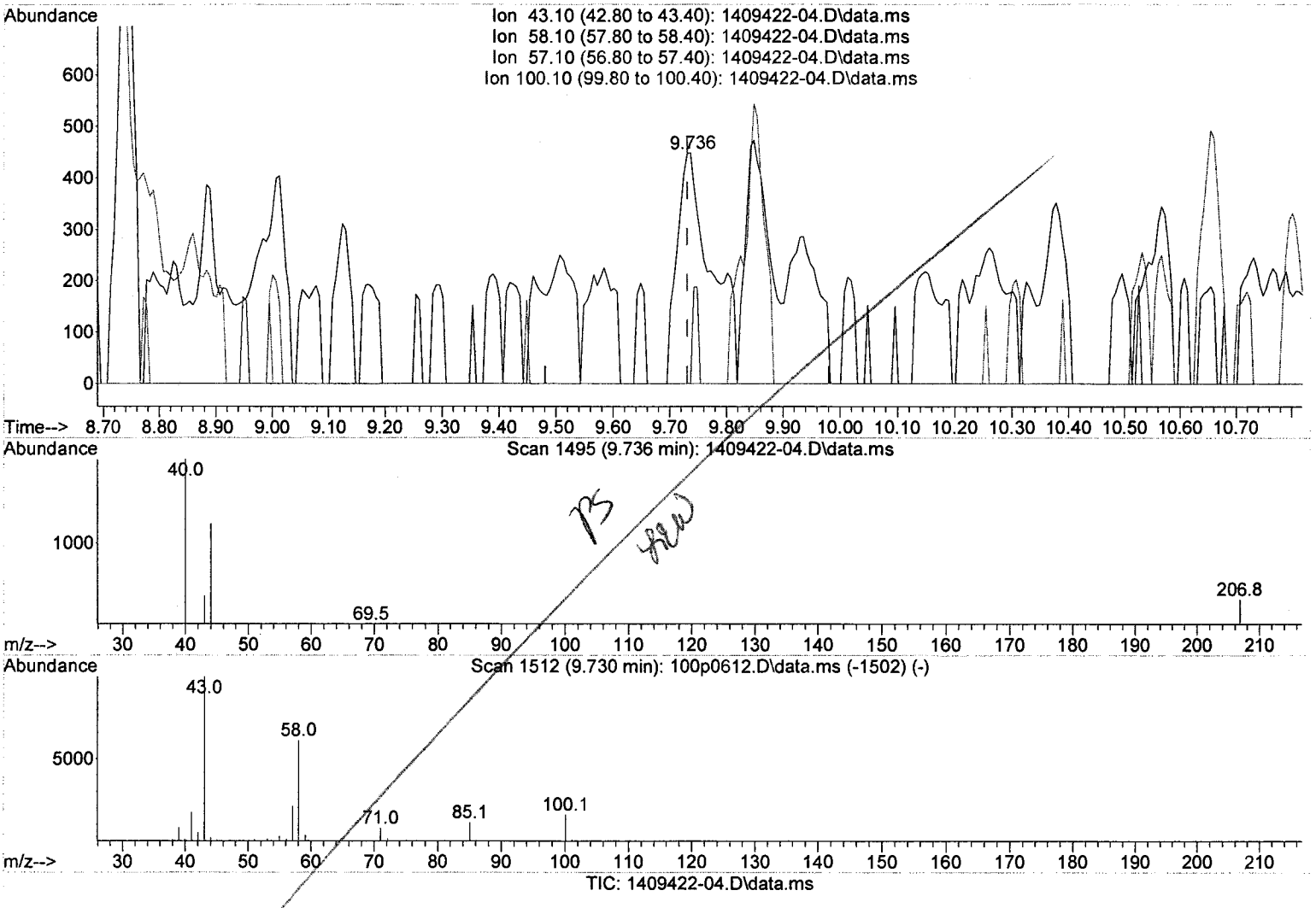
8.742min (+ 0.000) 10.19 ug/L

response 175947

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	57.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(53) 2-hexanone (MBK)

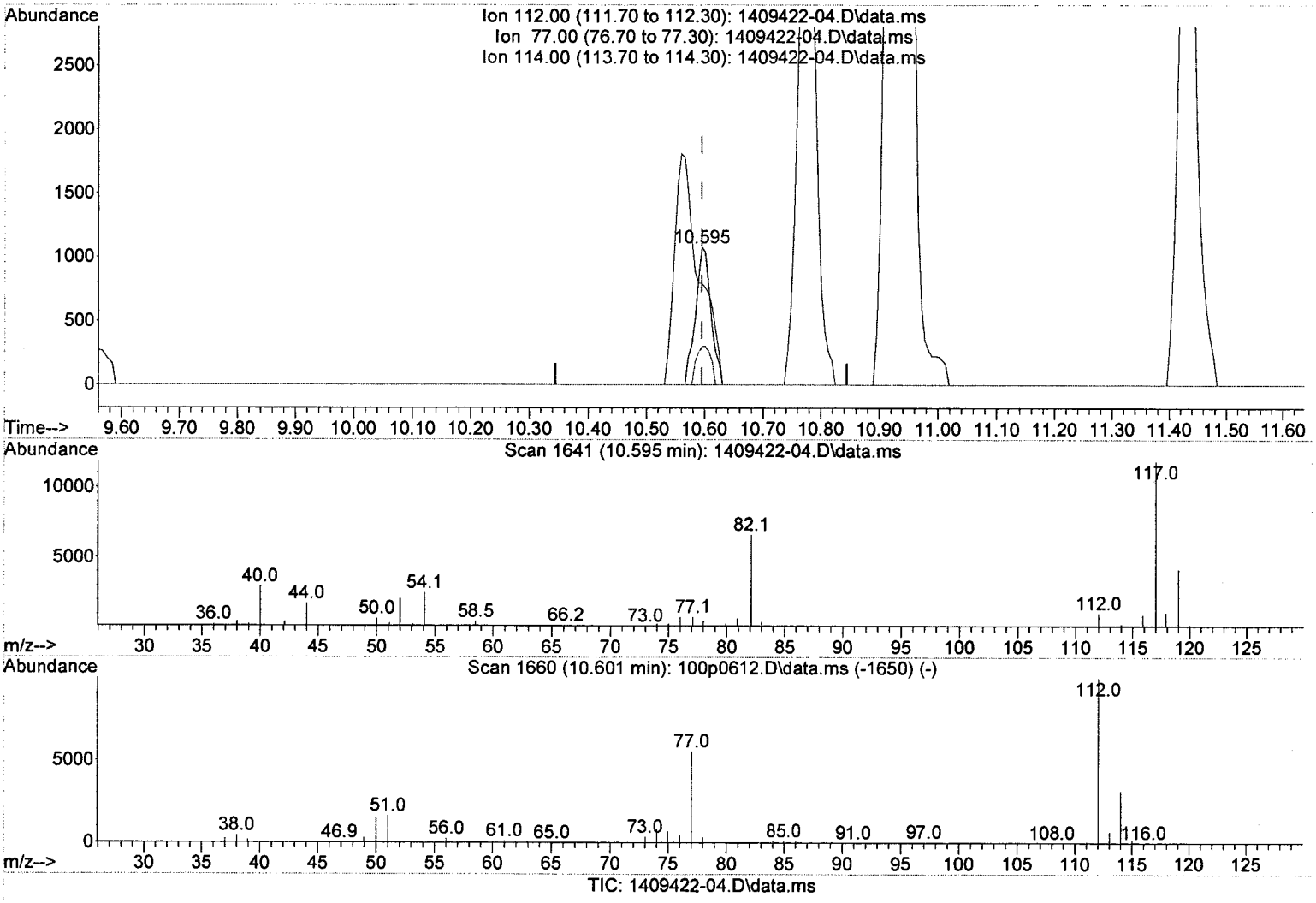
9.736min (+ 0.005) 0.69 ug/L

response 1878

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	53.20	0.00#
57.10	18.90	0.00
100.10	10.50	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-04.D\data.ms

(56) chlorobenzene (P)

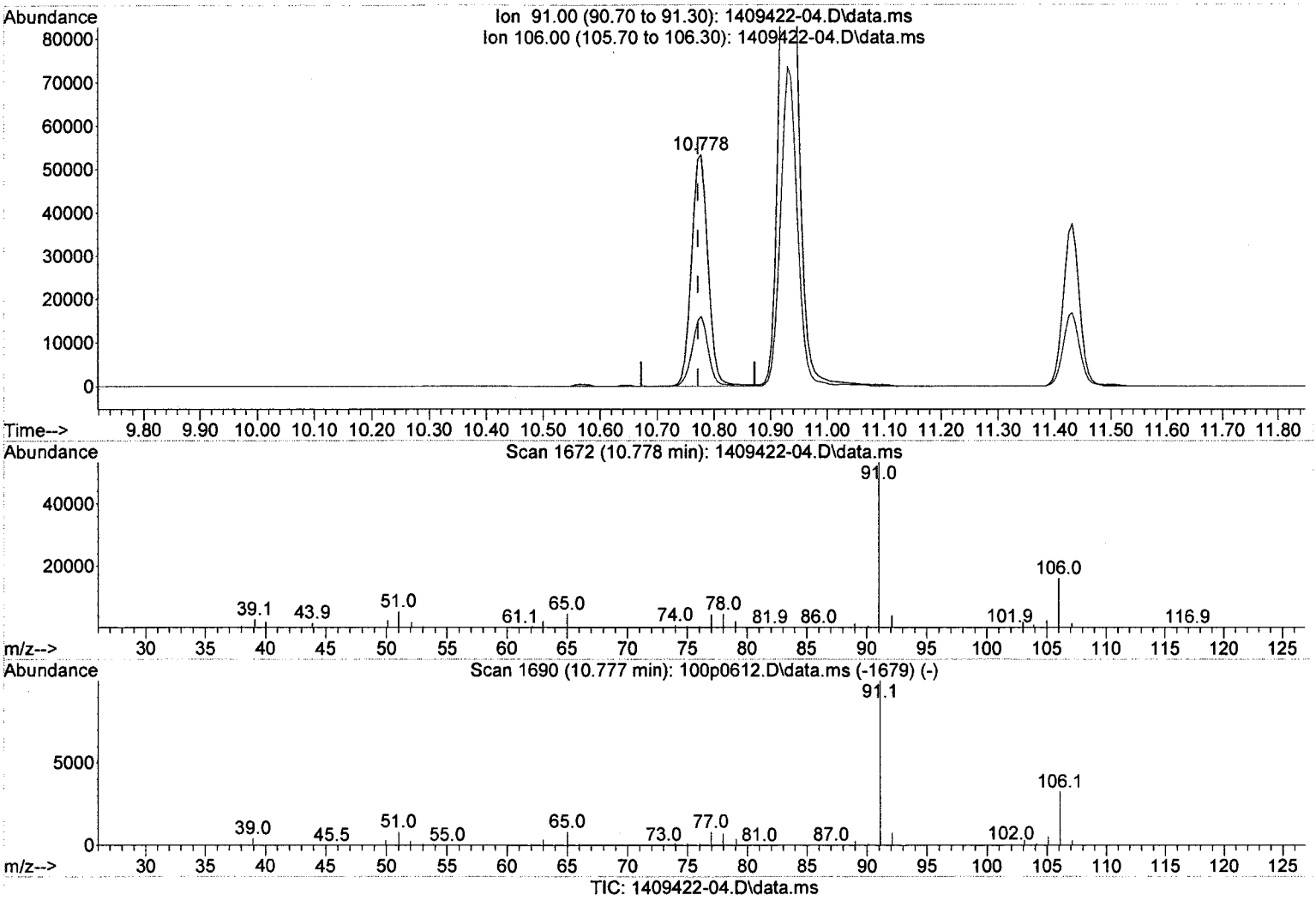
10.595min (+ 0.000) 0.18 ug/L

response 1977

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-04.D\data.ms

(59) ethylbenzene (C)

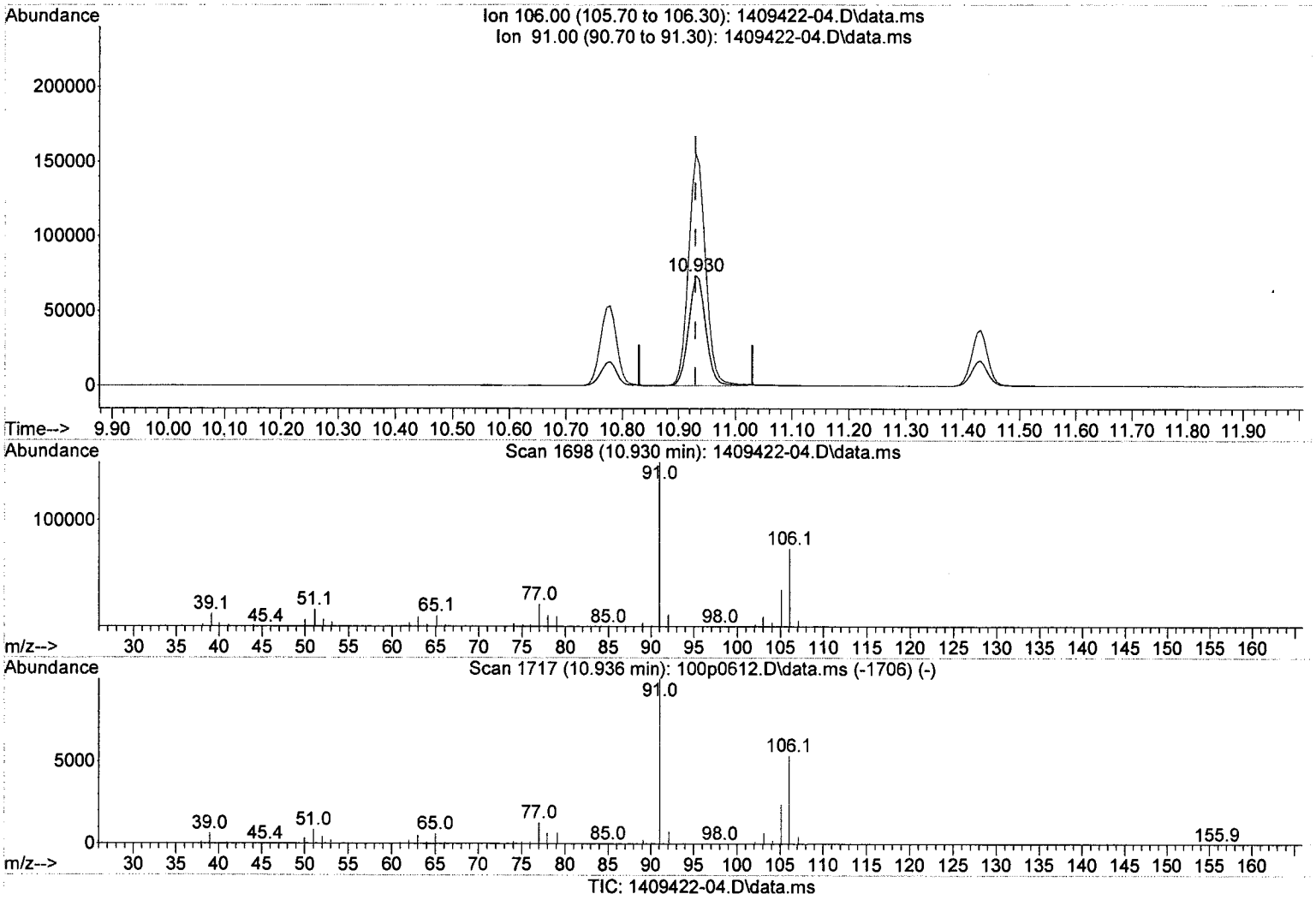
10.778min (+ 0.006) 5.62 ug/L

response 106921

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	29.18
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(60) m+p-xylene

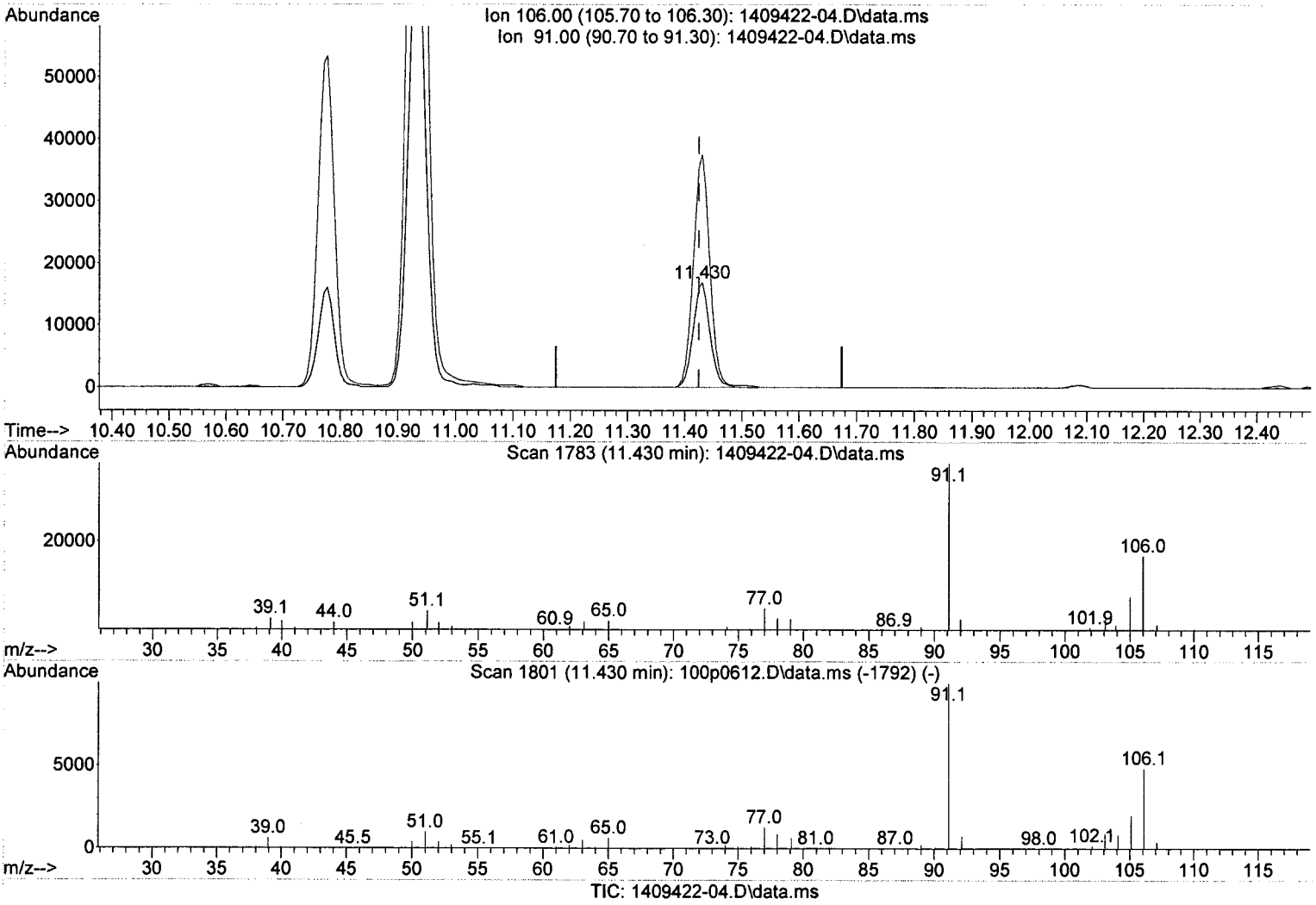
10.930min (+ 0.000) 21.42 ug/L

response 152627

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	210.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(61) o-xylene

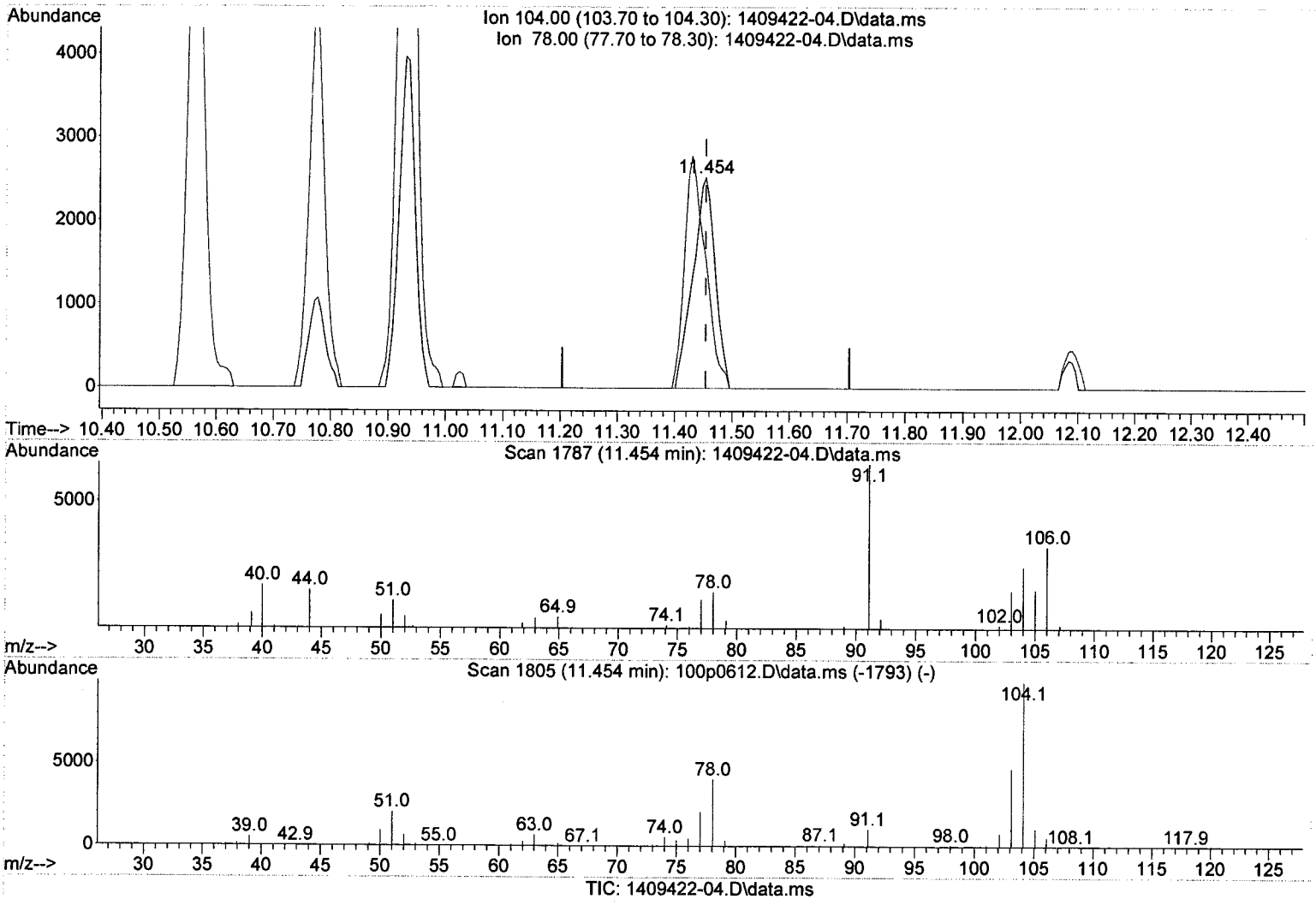
11.430min (+ 0.005) 5.03 ug/L

response 34077

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	219.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-04.D\data.ms

(62) styrene

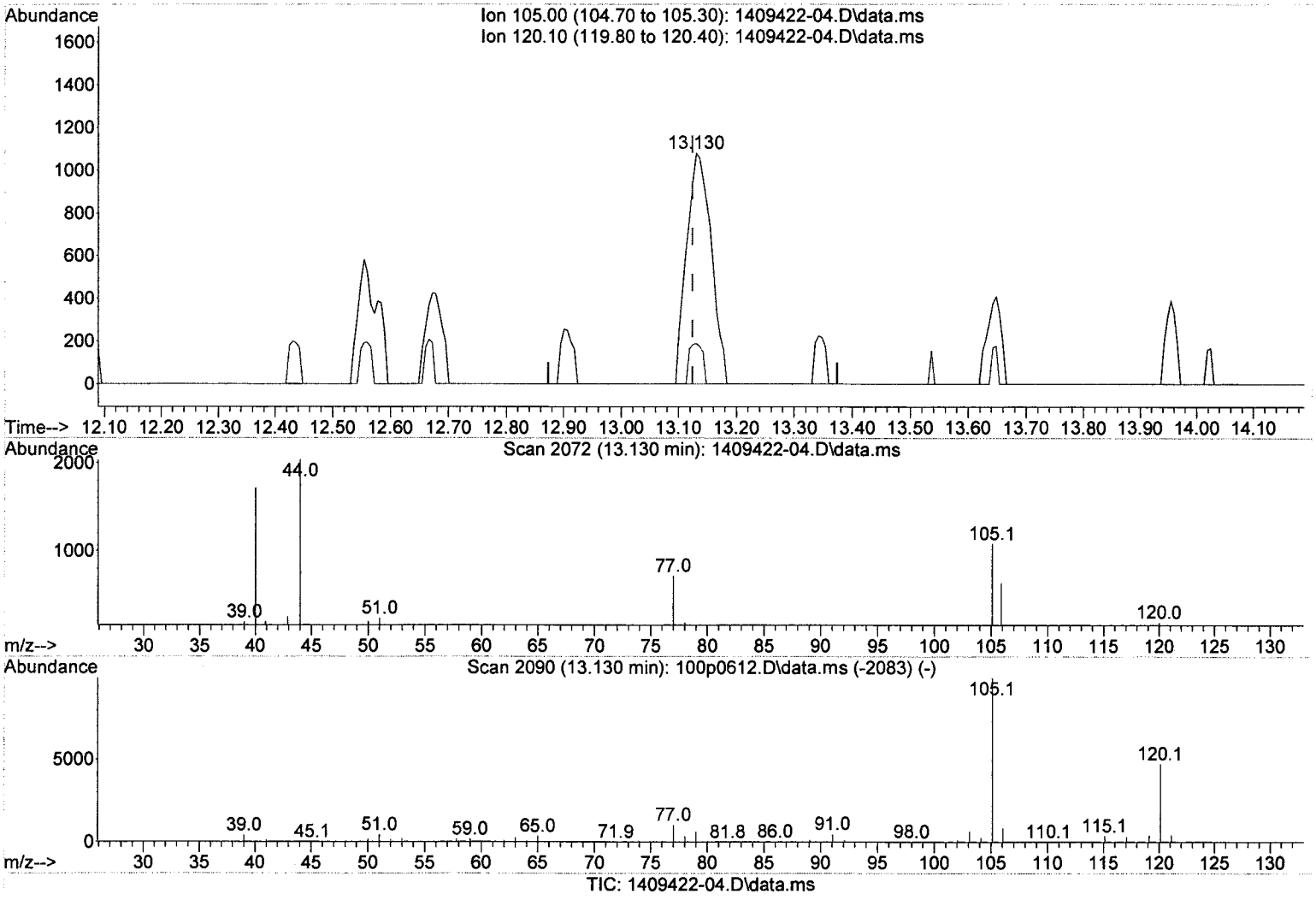
11.454min (-0.000) 0.59 ug/L

response 6793

Ion	Exp%	Act%
104.00	100.00	100.00
78.00	49.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-04.D
Acq On : 30 Sep 2014 21:17
Operator : DLV
Sample : 1409422-04
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 01 07:18:40 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-04.D\data.ms

(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.20 ug/L

response 3171

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

000485

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB17-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-05 File ID: 1409422-05.D

Sampled: 09/23/14 13:00 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 21:41

Solids: 97.75 Preparation: 5035A Low Concentratio Initial/Final: 4.9 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	17	4.3	5.1	5.1	
71-43-2	Benzene	1	0.51	0.16	0.51	1.0	U
108-86-1	Bromobenzene	1	0.51	0.14	0.51	1.0	U
74-97-5	Bromochloromethane	1	0.51	0.15	0.51	1.0	U
75-27-4	Bromodichloromethane	1	0.51	0.18	0.51	1.0	U
75-25-2	Bromoform	1	0.51	0.37	0.51	1.0	U
74-83-9	Bromomethane	1	0.51	0.34	0.51	1.0	U
104-51-8	n-Butylbenzene	1	0.51	0.26	0.51	1.0	U
135-98-8	sec-Butylbenzene	1	0.51	0.22	0.51	1.0	U
98-06-6	tert-Butylbenzene	1	0.51	0.17	0.51	1.0	U
75-15-0	Carbon Disulfide	1	0.42	0.24	0.51	1.0	J
56-23-5	Carbon Tetrachloride	1	0.51	0.33	0.51	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.15	0.51	1.0	J
75-00-3	Chloroethane	1	1.0	0.51	1.0	1.0	U
67-66-3	Chloroform	1	0.51	0.15	0.51	1.0	U
74-87-3	Chloromethane	1	0.51	0.26	0.51	1.0	U
95-49-8	2-Chlorotoluene	1	0.51	0.30	0.51	1.0	U
106-43-4	4-Chlorotoluene	1	0.20	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.60	1.0	5.1	U
124-48-1	Dibromochloromethane	1	0.51	0.19	0.51	1.0	U
106-93-4	1,2-Dibromoethane	1	0.51	0.16	0.51	1.0	U
74-95-3	Dibromomethane	1	0.51	0.23	0.51	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.095	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.51	0.15	0.51	1.0	U
75-34-3	1,1-Dichloroethane	1	0.51	0.21	0.51	1.0	U
107-06-2	1,2-Dichloroethane	1	0.51	0.23	0.51	1.0	U
75-35-4	1,1-Dichloroethene	1	0.51	0.31	0.51	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.51	0.23	0.51	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.51	0.28	0.51	1.0	U
78-87-5	1,2-Dichloropropane	1	0.51	0.17	0.51	1.0	U
142-28-9	1,3-Dichloropropane	1	0.51	0.15	0.51	1.0	U
594-20-7	2,2-Dichloropropane	1	0.51	0.23	0.51	1.0	U
563-58-6	1,1-Dichloropropene	1	0.51	0.28	0.51	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.20	0.12	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.51	0.12	0.51	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB17-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-05 File ID: 1409422-05.D

Sampled: 09/23/14 13:00 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 21:41

Solids: 97.75 Preparation: 5035A Low Concentratio Initial/Final: 4.9 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	5.3	0.19	0.51	1.0	
87-68-3	Hexachlorobutadiene	1	0.51	0.21	0.51	1.0	U
591-78-6	2-Hexanone	1	0.51	0.49	0.51	5.1	U
98-82-8	Isopropylbenzene	1	0.20	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	1	0.51	0.25	0.51	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.1	U
78-93-3	2-Butanone (MEK)	1	1.2	1.1	5.1	5.1	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.51	0.40	0.51	5.1	U
91-20-3	Naphthalene	1	0.51	0.16	0.51	5.1	U
103-65-1	n-Propylbenzene	1	0.51	0.12	0.51	1.0	U
100-42-5	Styrene	1	0.20	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
127-18-4	Tetrachloroethene	1	0.51	0.17	0.51	1.0	U
108-88-3	Toluene	1	9.7	0.10	0.20	1.0	
87-61-6	1,2,3-Trichlorobenzene	1	0.51	0.29	0.51	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.51	0.17	0.51	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.51	0.15	0.51	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.51	0.22	0.51	1.0	U
79-01-6	Trichloroethene	1	0.51	0.25	0.51	1.0	U
75-69-4	Trichlorofluoromethane	1	0.51	0.18	0.51	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.51	0.23	0.51	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.20	0.12	0.51	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.51	0.20	0.51	1.0	U
75-01-4	Vinyl Chloride	1	0.51	0.20	0.51	1.0	U
179601-23-1	Xylene, Meta + Para	1	21	0.15	0.41	2.0	
95-47-6	Xylene, Ortho	1	4.8	0.11	0.20	1.0	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.4	103	78 - 119	
1,2-Dichloroethane-d4	40.0	43.8	110	71 - 136	
Toluene-d8	40.0	39.0	98	85 - 116	
4-Bromofluorobenzene	40.0	39.7	99	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	508904	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB17-34

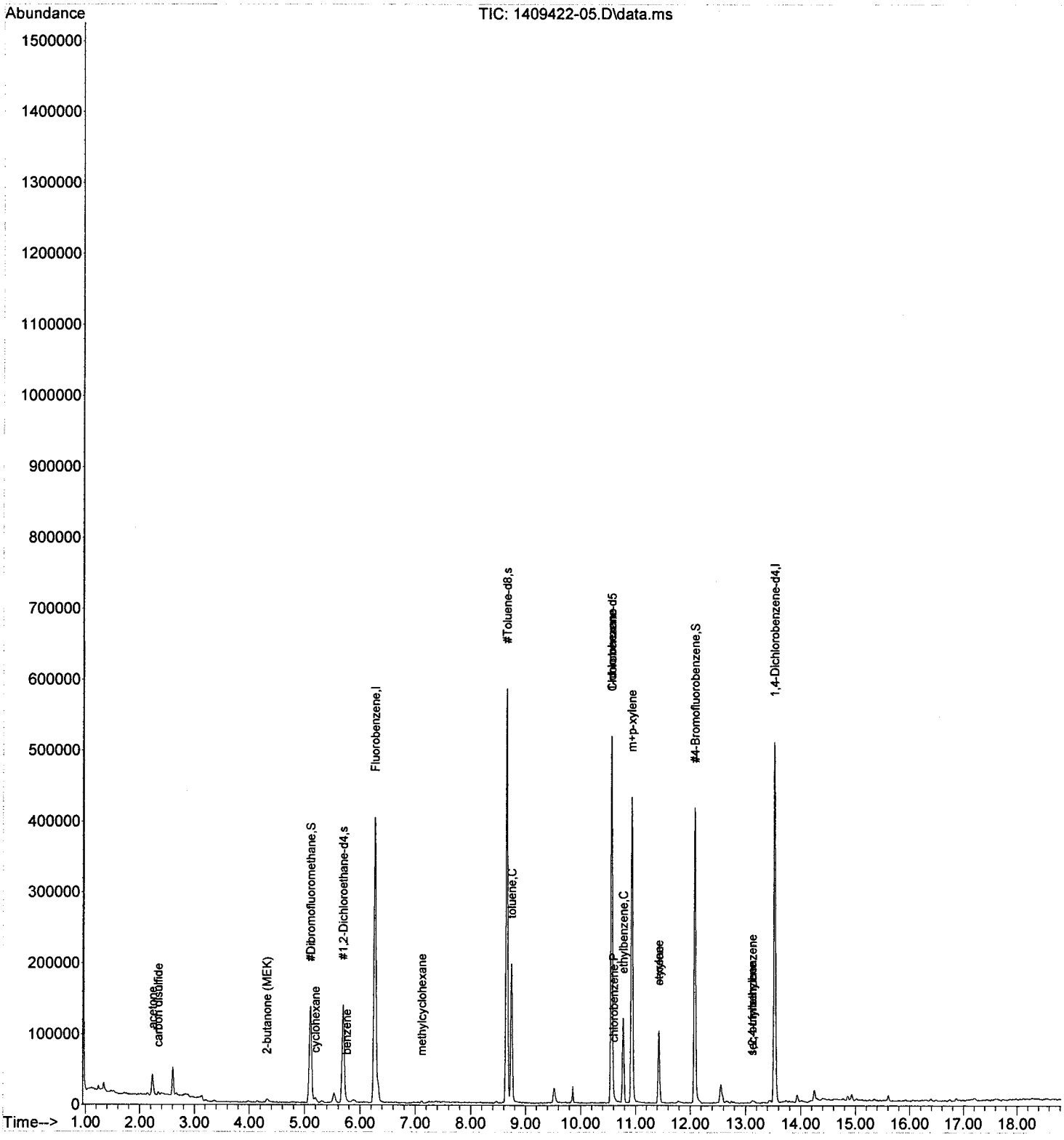
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-05
File ID: 1409422-05.D
Sampled: 09/23/14 13:00
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 21:41
Solids: 97.75
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	351467	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	170969	13.525	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-05.D
Acq On : 30 Sep 2014 21:41
Operator : DLV
Sample : 1409422-05
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 01 07:18:43 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000489

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-05.D
Acq On : 30 Sep 2014 21:41
Operator : DLV
Sample : 1409422-05
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 01 07:18:43 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	508904	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	351467	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	170969	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.108	111	132474	41.39	ug/L	0.00
Spiked Amount 40.000			Recovery =	103.48%		
37) #1,2-Dichloroethane-d4	5.690	67	79967	43.81	ug/L	0.00
Spiked Amount 40.000			Recovery =	109.53%		
46) #Toluene-d8	8.654	98	482259	39.03	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.58%		
64) #4-Bromofluorobenzene	12.084	95	175010	39.72	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.30%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	45035	16.00	ug/L	99
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.337	76	4720	0.40	ug/L #	74
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.608	49	24058	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.319	43	9365	1.12	ug/L	94
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	5.196	56	1760	0.23	ug/L #	18
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	5.760	78	1684	0.09	ug/L #	65
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

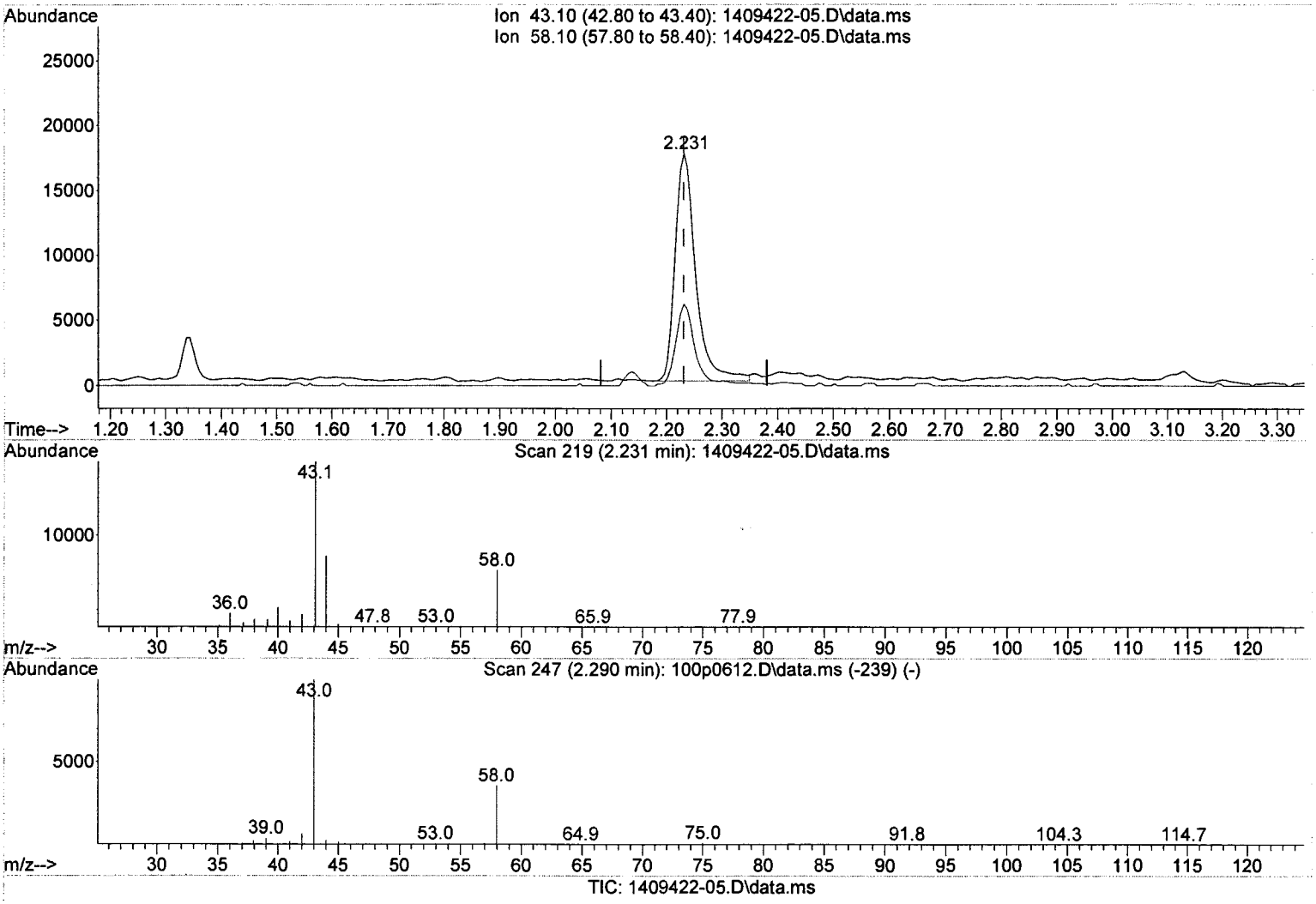
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-05.D
Acq On : 30 Sep 2014 21:41
Operator : DLV
Sample : 1409422-05
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 01 07:18:43 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	1549	0.19	ug/L	#	57
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.743	91	173926	9.29	ug/L		98
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	0.000		0	N.D.			
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	10.601	112	2247	0.19	ug/L	#	27
57)	1-chlorohexane	10.560	55	2691	0.58	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.778	91	104173	5.10	ug/L		100
60)	m+p-xylene	10.931	106	153569	20.08	ug/L		99
61)	o-xylene	11.431	106	33726	4.64	ug/L		99
62)	styrene	11.431	104	2618	~~0.21~~	ug/L	#	1
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	13.125	105	3078	0.19	ug/L	#	32
77)	sec-butylbenzene	13.125	105	2923	0.14	ug/L	#	57
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-05.D
Acq On : 30 Sep 2014 21:41
Operator : DLV
Sample : 1409422-05
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 01 07:18:43 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-05.D\data.ms

(13) acetone

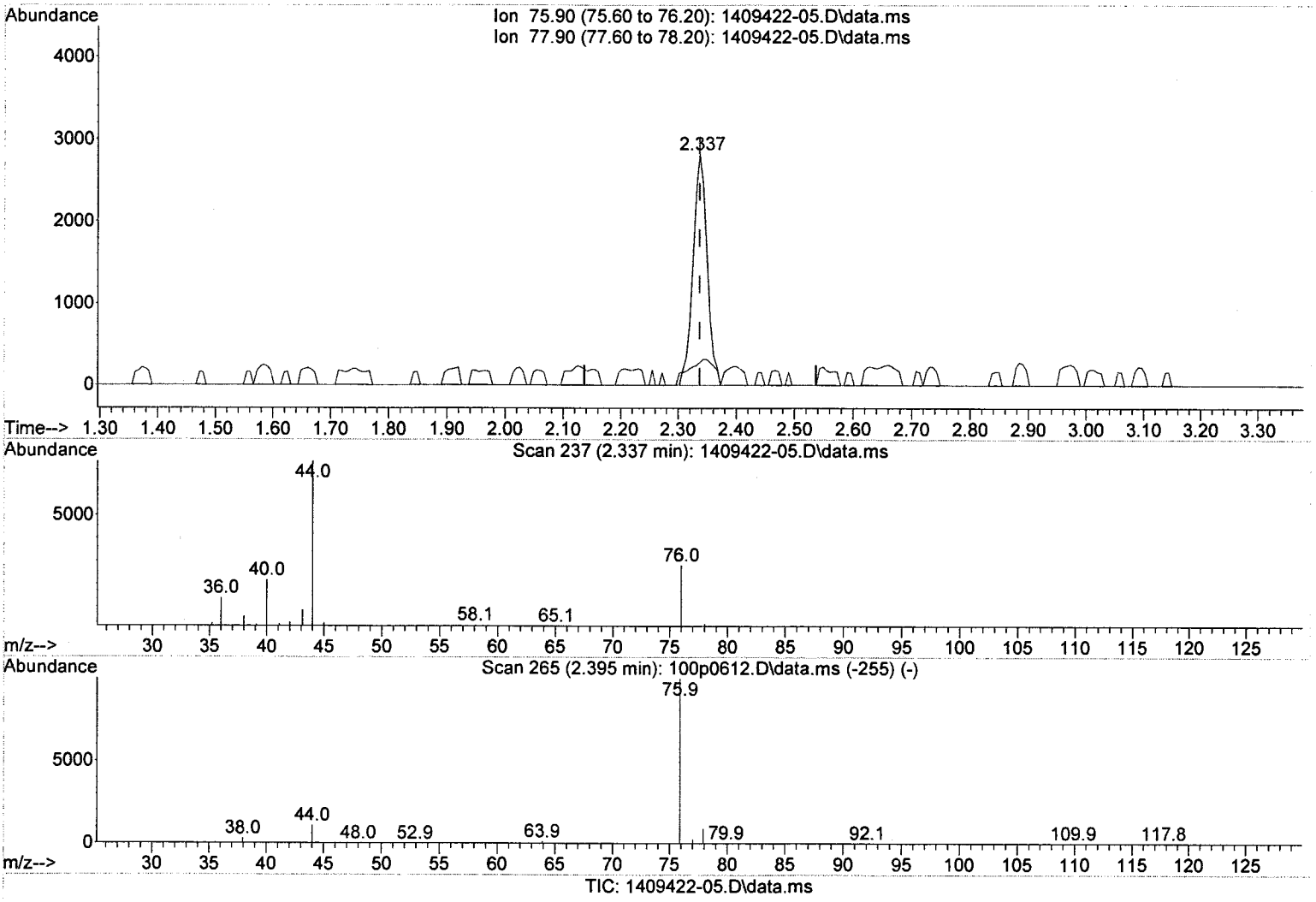
2.231min (+ 0.000) 16.00 ug/L

response 45035

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	34.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-05.D
Acq On : 30 Sep 2014 21:41
Operator : DLV
Sample : 1409422-05
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 01 07:18:43 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-05.D\data.ms

(15) carbon disulfide

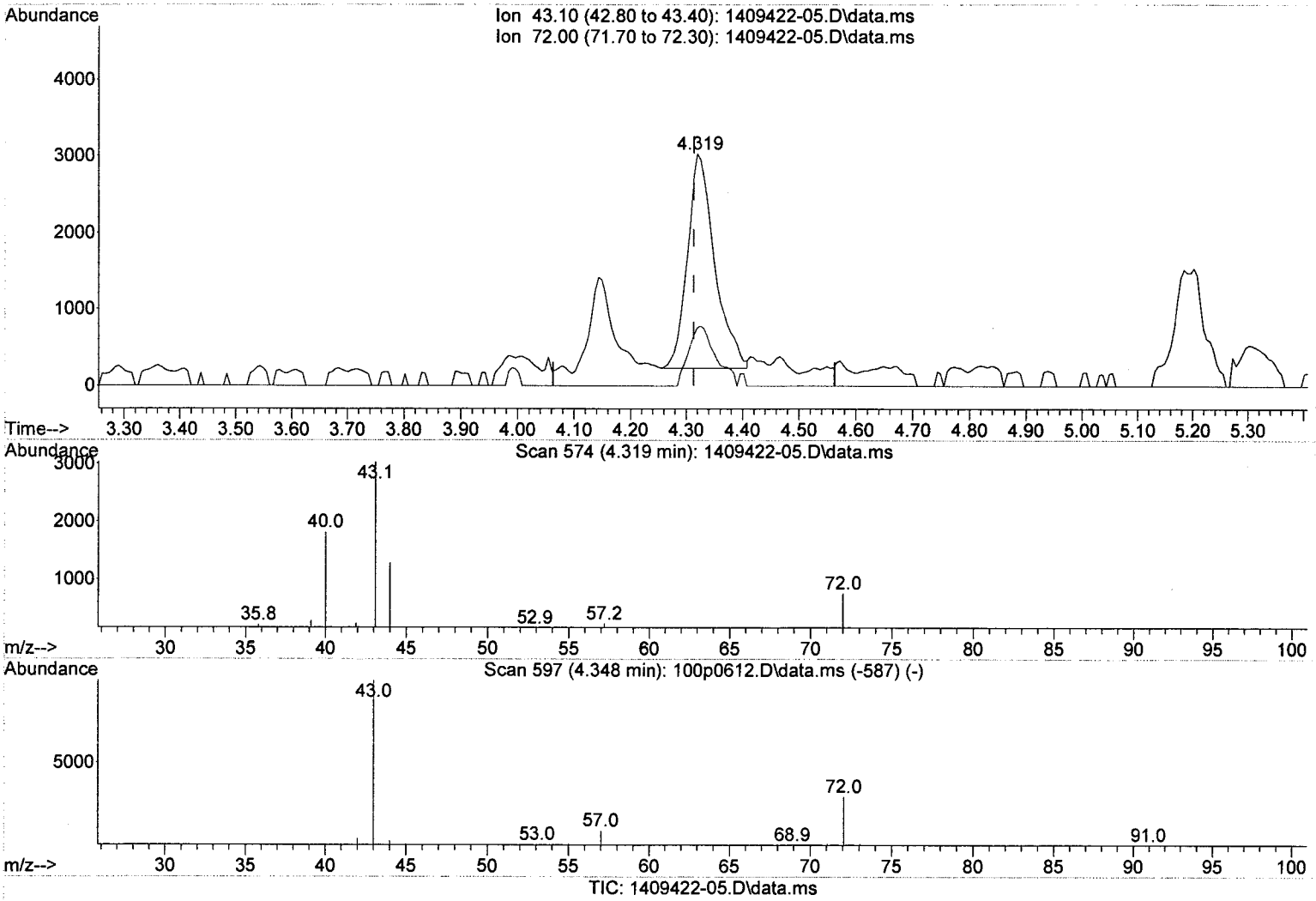
2.337min (+ 0.000) 0.40 ug/L

response 4720

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-05.D
Acq On : 30 Sep 2014 21:41
Operator : DLV
Sample : 1409422-05
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 01 07:18:43 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-05.D\data.ms

(25) 2-butanone (MEK)

4.319min (+ 0.006) 1.12 ug/L

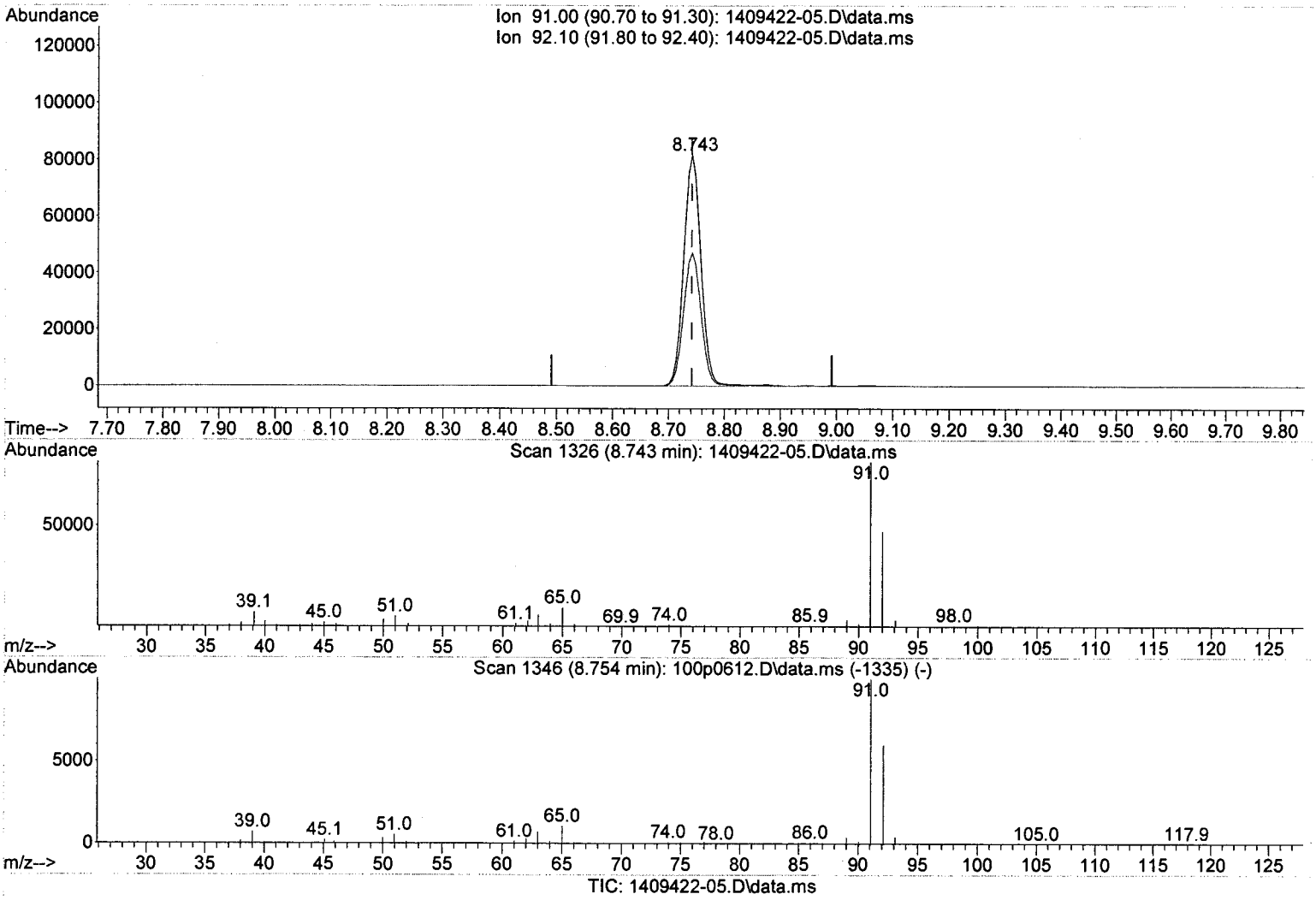
response 9365

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	27.91
0.00	0.00	0.00
0.00	0.00	0.00

000104

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-05.D
Acq On : 30 Sep 2014 21:41
Operator : DLV
Sample : 1409422-05
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 01 07:18:43 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-05.D\data.ms

(47) toluene (C)

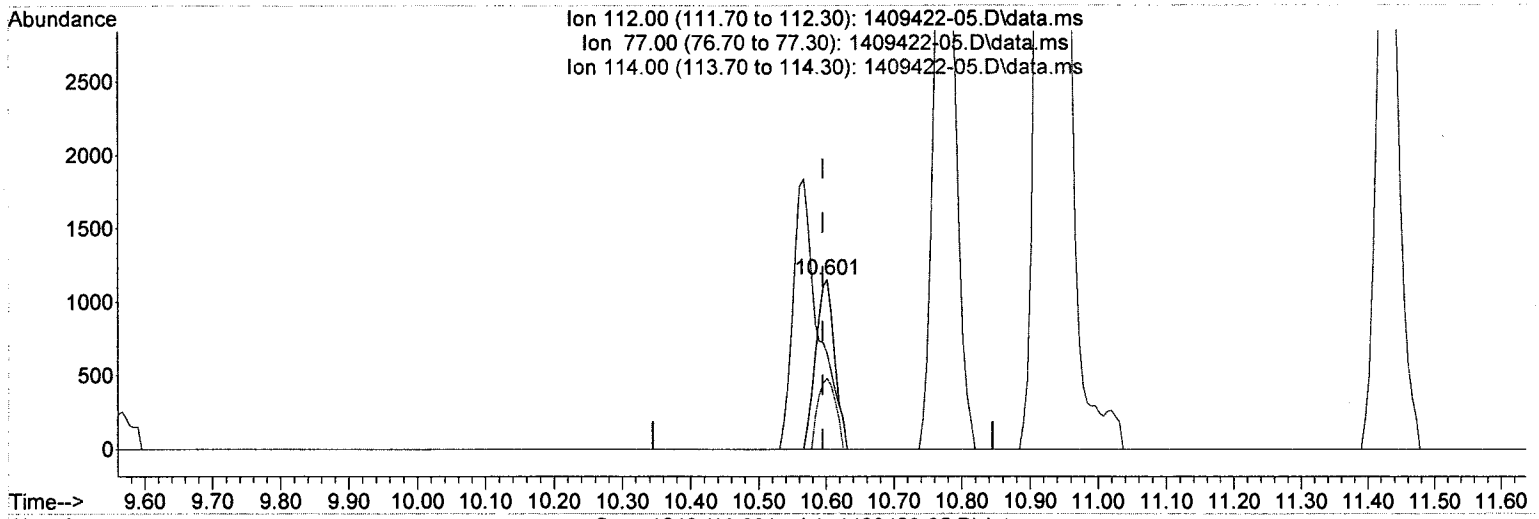
8.743min (+ 0.001) 9.29 ug/L

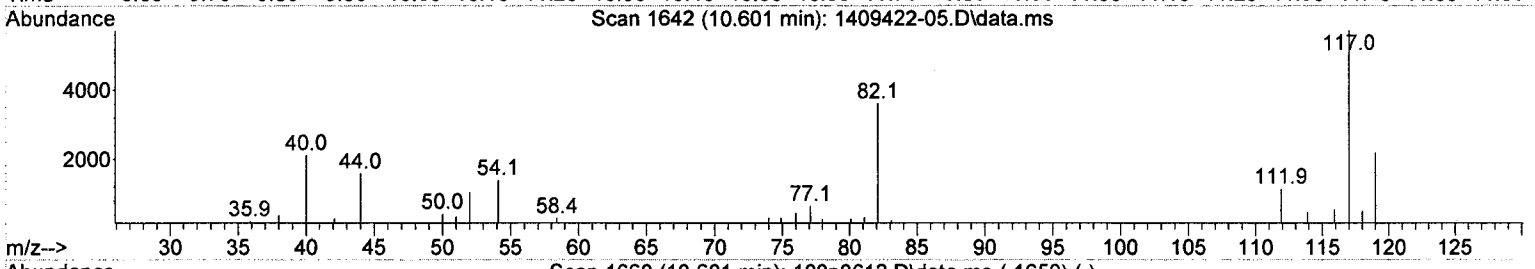
response 173926

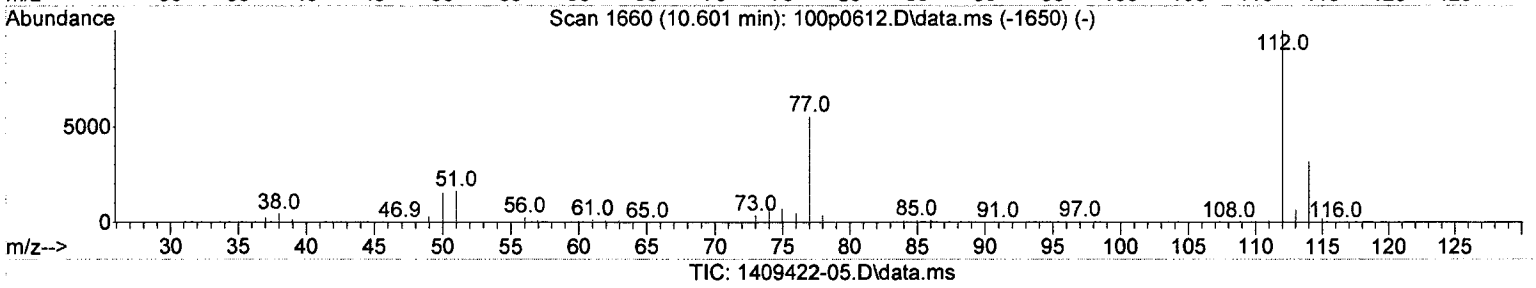
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	58.60
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-05.D
Acq On : 30 Sep 2014 21:41
Operator : DLV
Sample : 1409422-05
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 01 07:18:43 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409422-05.D\data.ms

(56) chlorobenzene (P)

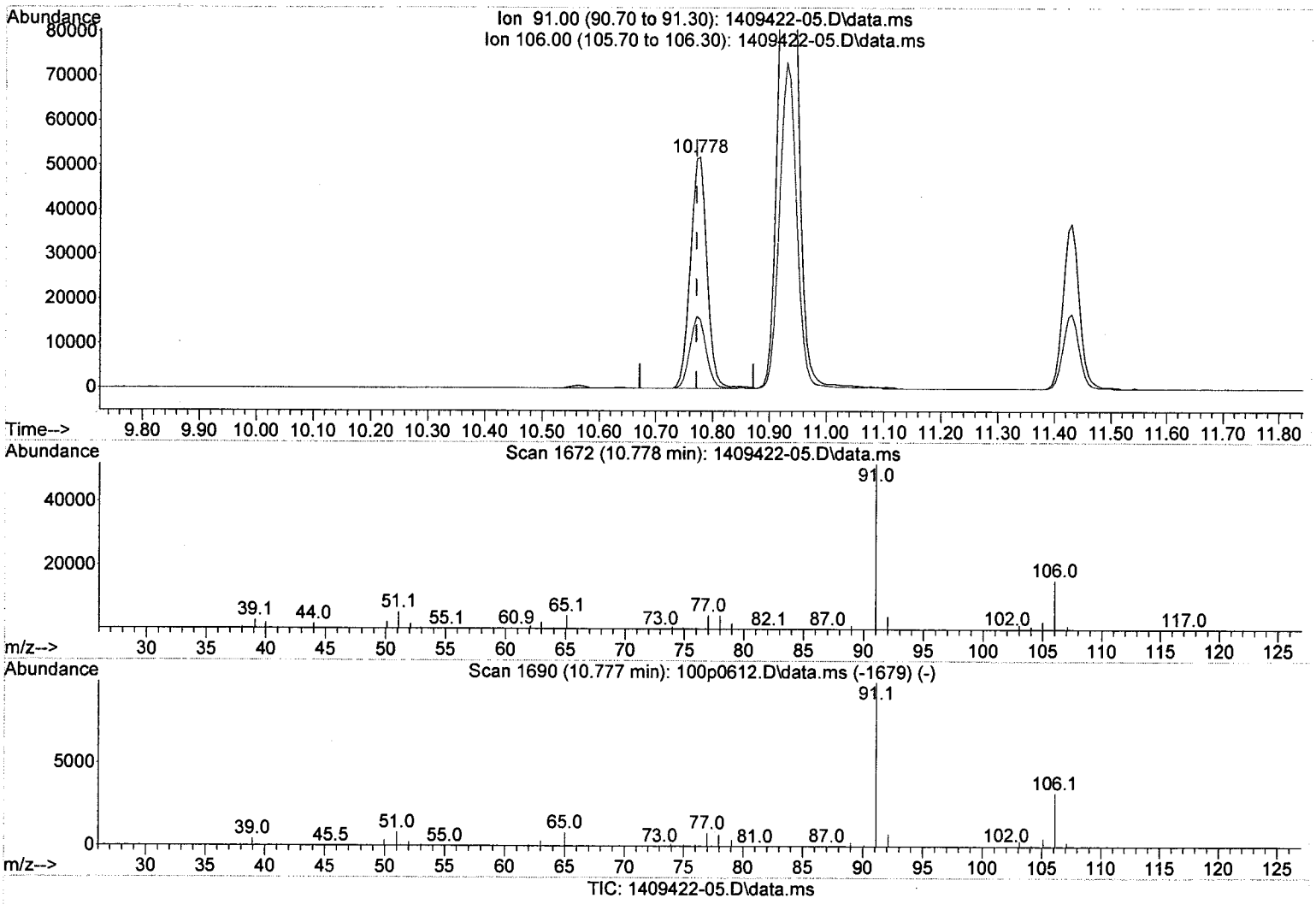
10.601min (+ 0.006) 0.19 ug/L

response 2247

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-05.D
Acq On : 30 Sep 2014 21:41
Operator : DLV
Sample : 1409422-05
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 01 07:18:43 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-05.D\data.ms

(59) ethylbenzene (C)

10.778min (+ 0.006) 5.10 ug/L

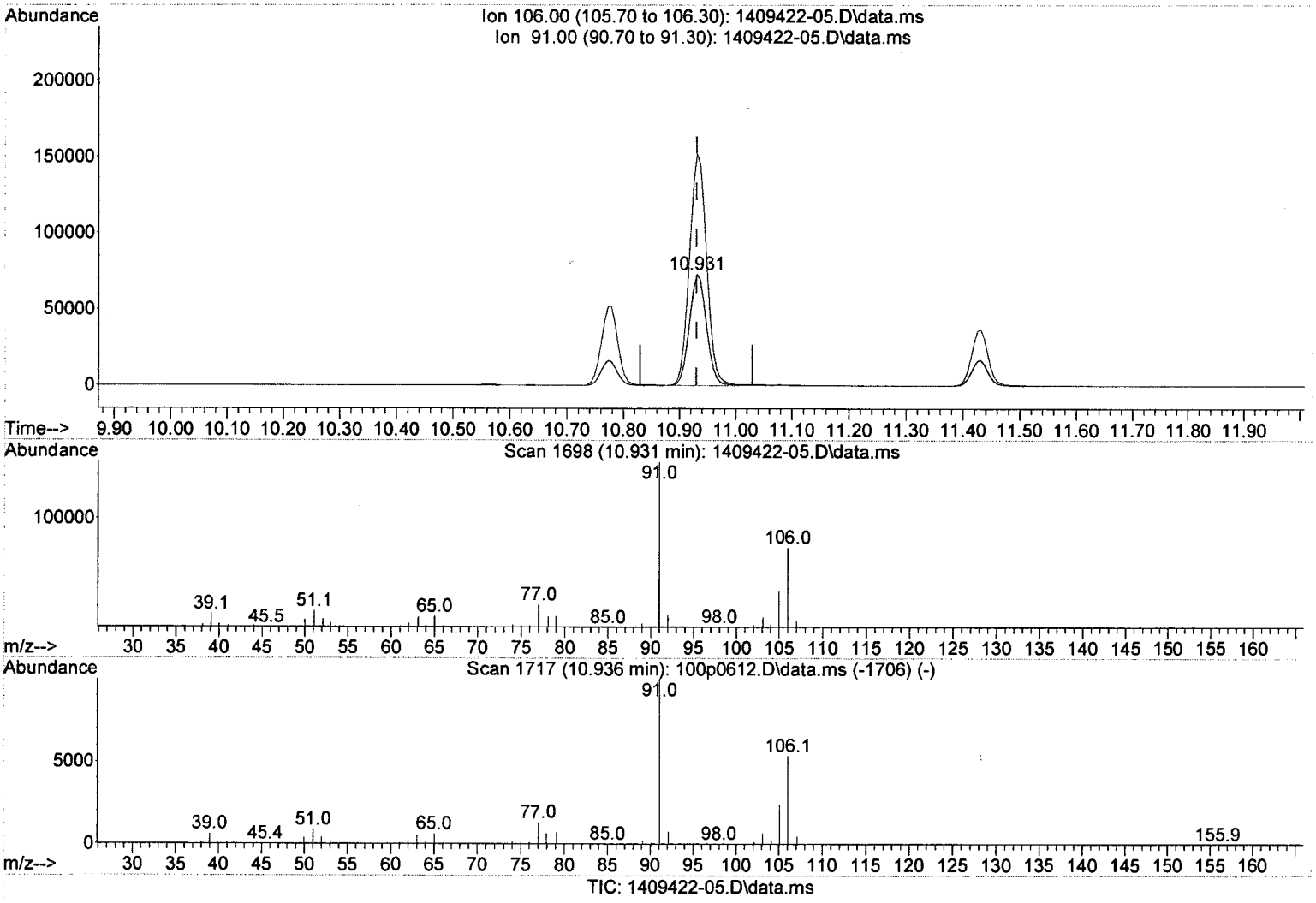
response 104173

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	30.66
0.00	0.00	0.00
0.00	0.00	0.00

000497

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-05.D
Acq On : 30 Sep 2014 21:41
Operator : DLV
Sample : 1409422-05
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 01 07:18:43 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(60) m+p-xylene

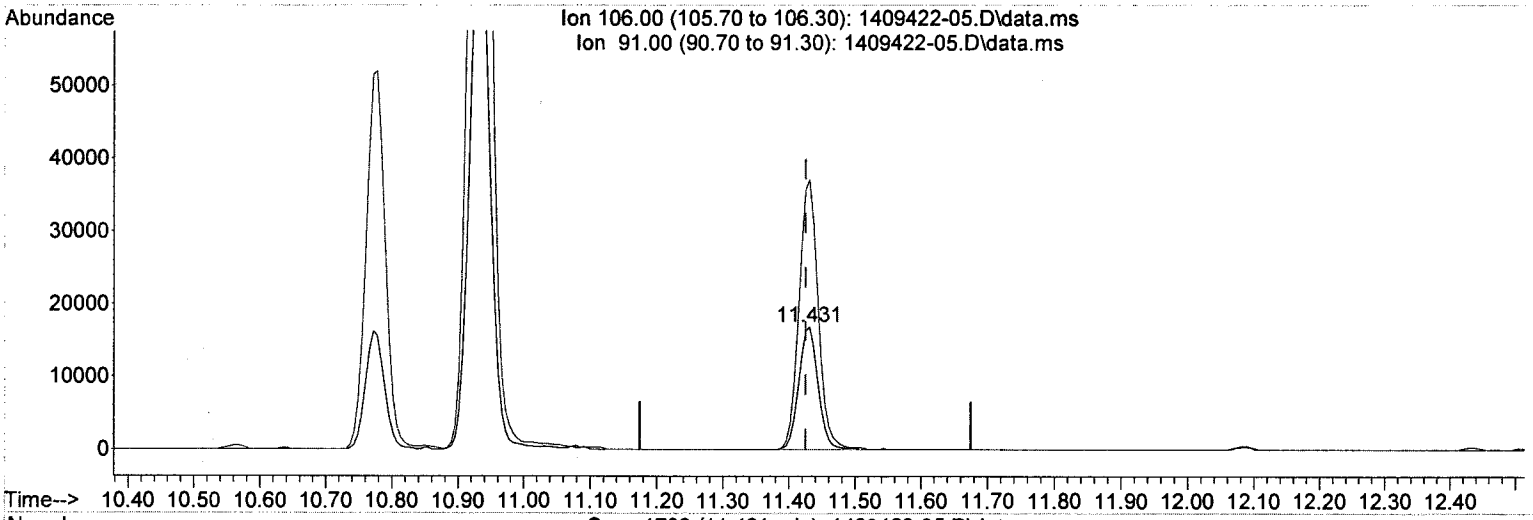
10.931min (+ 0.001) 20.08 ug/L

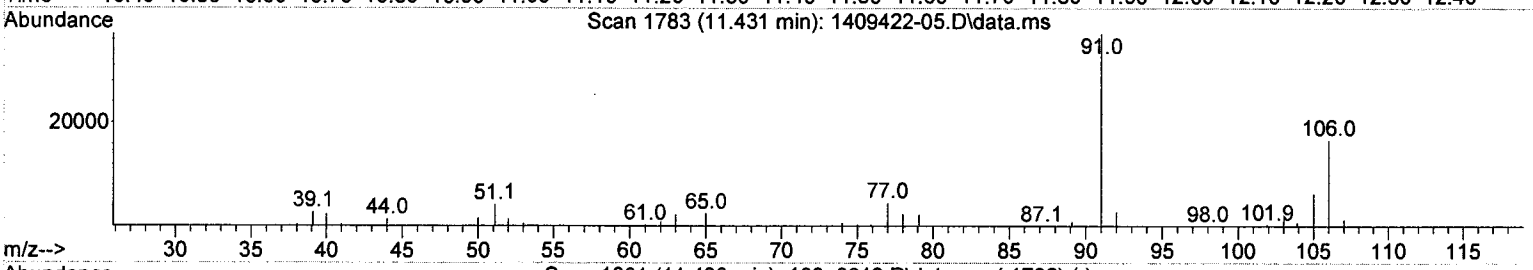
response 153569

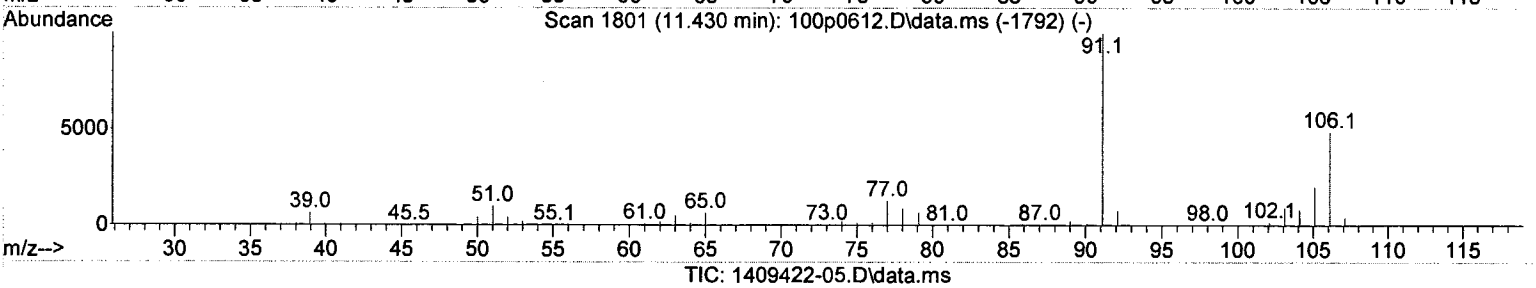
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	209.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-05.D
Acq On : 30 Sep 2014 21:41
Operator : DLV
Sample : 1409422-05
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 01 07:18:43 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409422-05.D\data.ms

(61) o-xylene

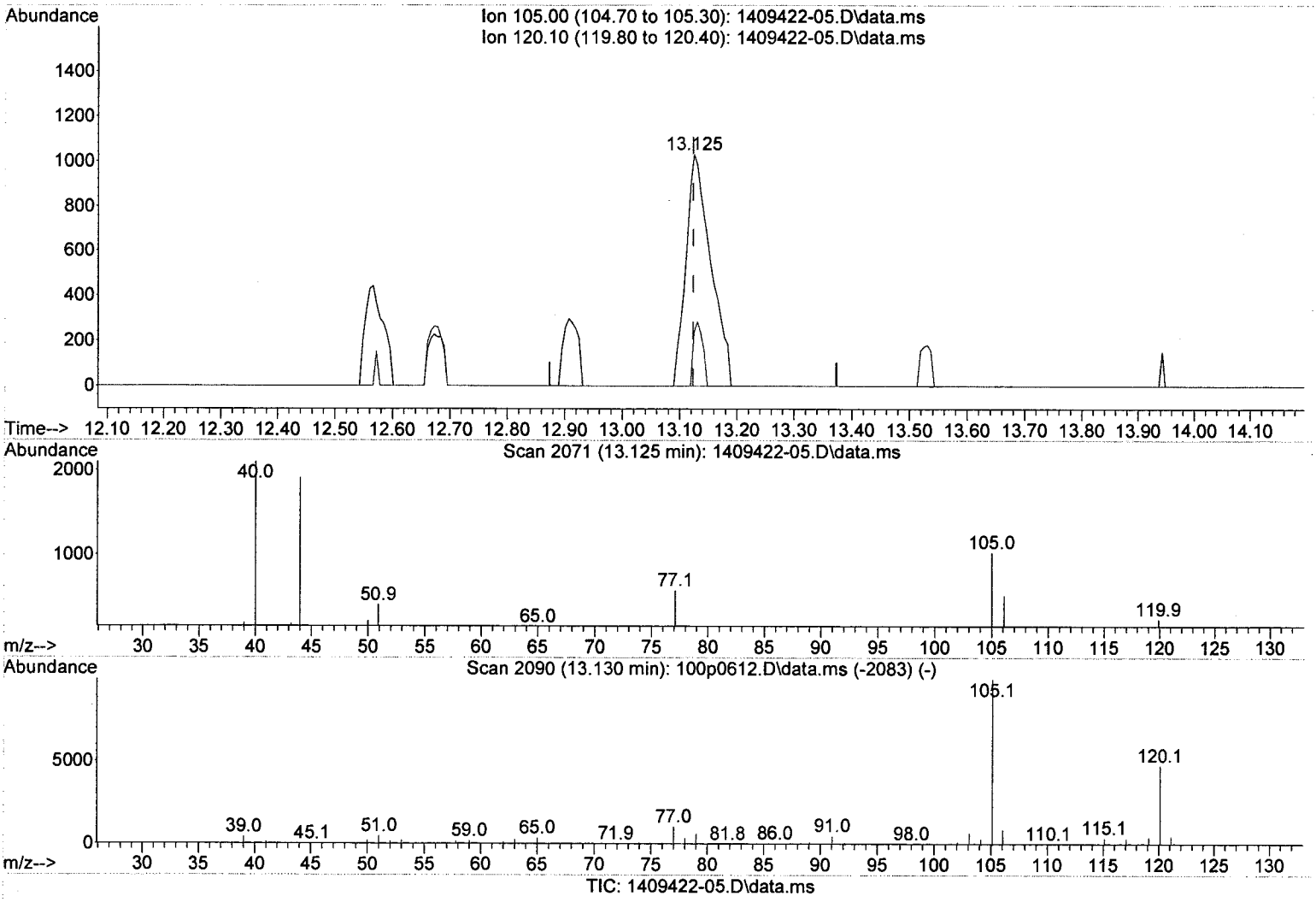
11.431min (+ 0.006) 4.64 ug/L

response 33726

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	220.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-05.D
Acq On : 30 Sep 2014 21:41
Operator : DLV
Sample : 1409422-05
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 01 07:18:43 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-05.D\data.ms

(76) 1,2,4-trimethylbenzene

13.125min (+ 0.001) 0.19 ug/L

response 3078

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB19-35

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-06 File ID: 1409422-06.D

Sampled: 09/23/14 14:55 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 22:04

Solids: 97.10 Preparation: 5035A Low Concentratio Initial/Final: 4.5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	14	4.8	5.7	5.7	
71-43-2	Benzene	1	0.57	0.18	0.57	1.1	U
108-86-1	Bromobenzene	1	0.57	0.15	0.57	1.1	U
74-97-5	Bromochloromethane	1	0.57	0.16	0.57	1.1	U
75-27-4	Bromodichloromethane	1	0.57	0.20	0.57	1.1	U
75-25-2	Bromoform	1	0.57	0.41	0.57	1.1	U
74-83-9	Bromomethane	1	0.57	0.38	0.57	1.1	U
104-51-8	n-Butylbenzene	1	0.57	0.30	0.57	1.1	U
135-98-8	sec-Butylbenzene	1	0.57	0.24	0.57	1.1	U
98-06-6	tert-Butylbenzene	1	0.57	0.19	0.57	1.1	U
75-15-0	Carbon Disulfide	1	0.57	0.26	0.57	1.1	U
56-23-5	Carbon Tetrachloride	1	0.57	0.37	0.57	1.1	U
108-90-7	Chlorobenzene	1	0.17	0.17	0.57	1.1	J
75-00-3	Chloroethane	1	1.1	0.58	1.1	1.1	U
67-66-3	Chloroform	1	0.57	0.16	0.57	1.1	U
74-87-3	Chloromethane	1	0.57	0.29	0.57	1.1	U
95-49-8	2-Chlorotoluene	1	0.57	0.33	0.57	1.1	U
106-43-4	4-Chlorotoluene	1	0.23	0.23	0.23	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.68	1.1	5.7	U
124-48-1	Dibromochloromethane	1	0.57	0.21	0.57	1.1	U
106-93-4	1,2-Dibromoethane	1	0.57	0.17	0.57	1.1	U
74-95-3	Dibromomethane	1	0.57	0.26	0.57	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.23	0.11	0.23	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.57	0.16	0.57	1.1	U
75-34-3	1,1-Dichloroethane	1	0.57	0.24	0.57	1.1	U
107-06-2	1,2-Dichloroethane	1	0.57	0.26	0.57	1.1	U
75-35-4	1,1-Dichloroethene	1	0.57	0.35	0.57	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.57	0.26	0.57	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.57	0.31	0.57	1.1	U
78-87-5	1,2-Dichloropropane	1	0.57	0.19	0.57	1.1	U
142-28-9	1,3-Dichloropropane	1	0.57	0.16	0.57	1.1	U
594-20-7	2,2-Dichloropropane	1	0.57	0.26	0.57	1.1	U
563-58-6	1,1-Dichloropropene	1	0.57	0.32	0.57	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.23	0.13	0.23	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.57	0.14	0.57	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB19-35

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-06 File ID: 1409422-06.D

Sampled: 09/23/14 14:55 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 22:04

Solids: 97.10 Preparation: 5035A Low Concentratio Initial/Final: 4.5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	4.9	0.21	0.57	1.1	
87-68-3	Hexachlorobutadiene	1	0.57	0.24	0.57	1.1	U
591-78-6	2-Hexanone	1	0.57	0.55	0.57	5.7	U
98-82-8	Isopropylbenzene	1	0.23	0.13	0.23	1.1	U
99-87-6	4-Isopropyltoluene	1	0.57	0.27	0.57	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.54	1.1	5.7	U
78-93-3	2-Butanone (MEK)	1	2.0	1.3	5.7	5.7	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.57	0.44	0.57	5.7	U
91-20-3	Naphthalene	1	0.57	0.18	0.57	5.7	U
103-65-1	n-Propylbenzene	1	0.57	0.13	0.57	1.1	U
100-42-5	Styrene	1	0.23	0.23	0.23	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.57	0.17	0.57	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.57	0.16	0.57	1.1	U
127-18-4	Tetrachloroethene	1	0.57	0.20	0.57	1.1	U
108-88-3	Toluene	1	9.0	0.11	0.23	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.57	0.33	0.57	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.57	0.19	0.57	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.57	0.16	0.57	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.57	0.24	0.57	1.1	U
79-01-6	Trichloroethene	1	0.57	0.28	0.57	1.1	U
75-69-4	Trichlorofluoromethane	1	0.57	0.20	0.57	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.57	0.26	0.57	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.19	0.13	0.57	1.1	J
108-67-8	1,3,5-Trimethylbenzene	1	0.57	0.22	0.57	1.1	U
75-01-4	Vinyl Chloride	1	0.57	0.23	0.57	1.1	U
179601-23-1	Xylene, Meta + Para	1	20	0.16	0.46	2.3	
95-47-6	Xylene, Ortho	1	4.7	0.13	0.23	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.9	102	78 - 119	
1,2-Dichloroethane-d4	40.0	43.8	109	71 - 136	
Toluene-d8	40.0	39.2	98	85 - 116	
4-Bromofluorobenzene	40.0	40.2	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	481321	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB19-35

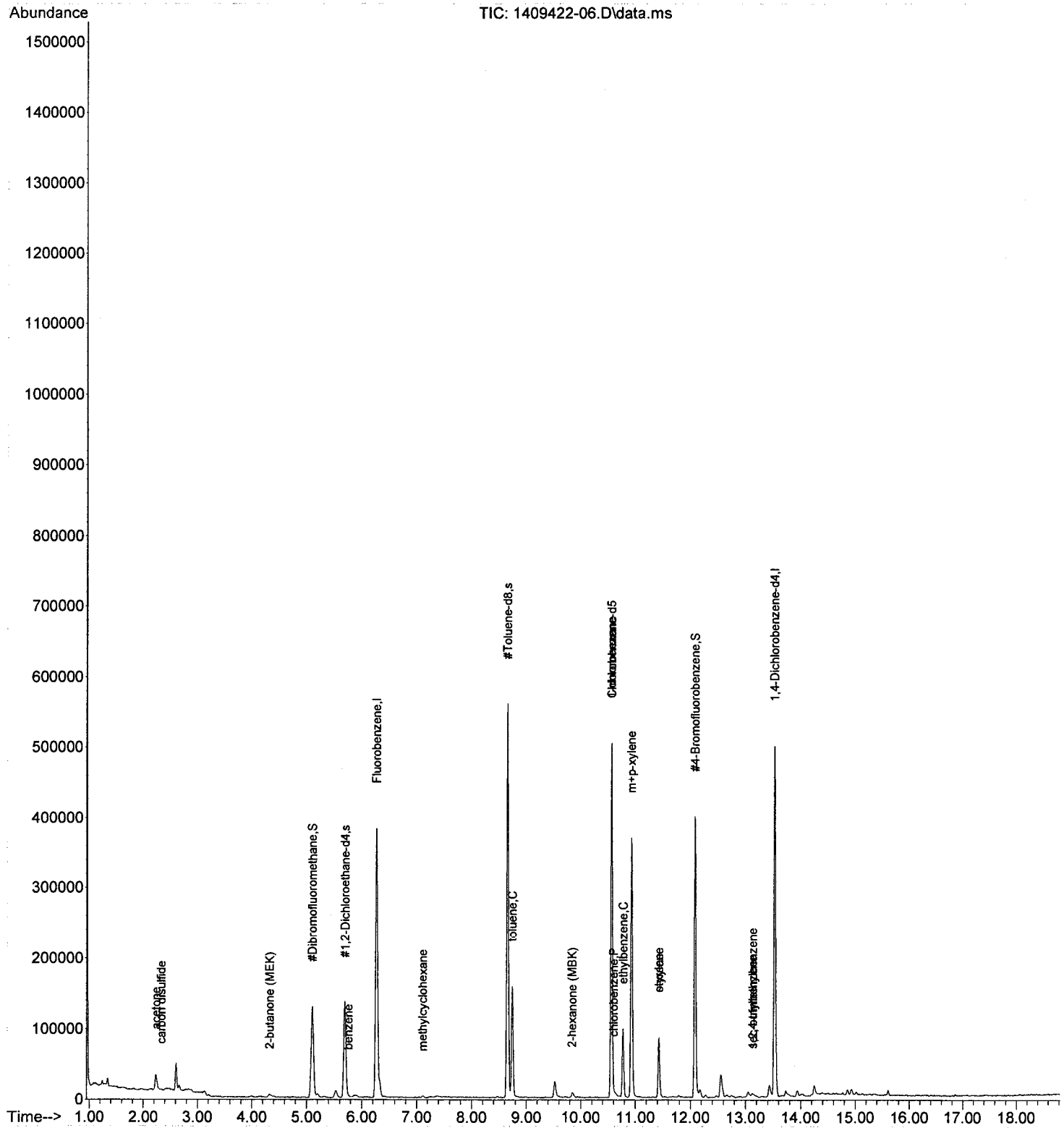
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-06
File ID: 1409422-06.D
Sampled: 09/23/14 14:55
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 22:04
Solids: 97.10
Preparation: 5035A Low Concentratio
Initial/Final: 4.5 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	342236	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	170114	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-06.D
Acq On : 30 Sep 2014 22:04
Operator : DLV
Sample : 1409422-06
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 01 07:18:46 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-06.D
Acq On : 30 Sep 2014 22:04
Operator : DLV
Sample : 1409422-06
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 01 07:18:46 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	481321	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	342236	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	170114	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	123778	40.89	ug/L	0.00
Spiked Amount 40.000			Recovery = 102.23%			
37) #1,2-Dichloroethane-d4	5.695	67	75593	43.79	ug/L	0.00
Spiked Amount 40.000			Recovery = 109.47%			
46) #Toluene-d8	8.654	98	457878	39.18	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.95%			
64) #4-Bromofluorobenzene	12.083	95	172538	40.21	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.52%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.237	43	38051	12.27	ug/L	95
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.337	76	1515	0.14	ug/L #	74
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	23828	Below Cal		96
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	10025	1.74	ug/L	98
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	5.760	78	1622	0.10	ug/L #	65
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

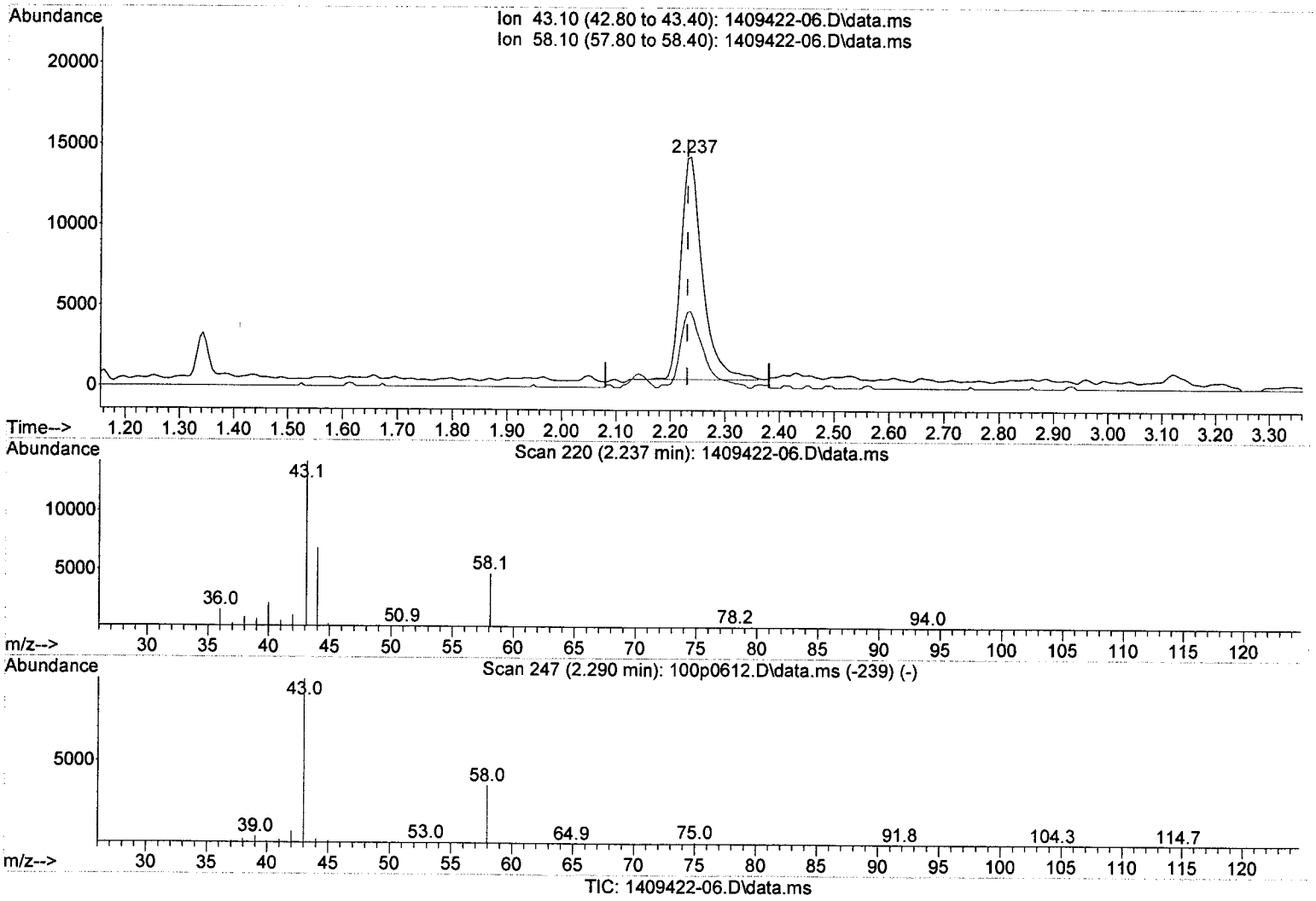
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-06.D
Acq On : 30 Sep 2014 22:04
Operator : DLV
Sample : 1409422-06
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 01 07:18:46 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.113	83	1513	0.20	ug/L	#	17
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.742	91	138567	7.83	ug/L		100
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	9.842	43	2189	0.77	ug/L	#	9
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	10.601	112	1779	0.15	ug/L	#	27
57)	1-chlorohexane	10.566	55	2694	0.60	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.778	91	85138	4.28	ug/L		99
60)	m+p-xylene	10.931	106	128667	17.28	ug/L		99
61)	o-xylene	11.430	106	29145	4.12	ug/L		91
62)	styrene	11.430	104	1884	0.16	ug/L	#	1
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	13.136	105	2740	0.17	ug/L	#	32
77)	sec-butylbenzene	13.136	105	2660	0.13	ug/L	#	57
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-06.D
Acq On : 30 Sep 2014 22:04
Operator : DLV
Sample : 1409422-06
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 01 07:18:46 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-06.D\data.ms

(13) acetone

2.237min (+ 0.006) 12.27 ug/L

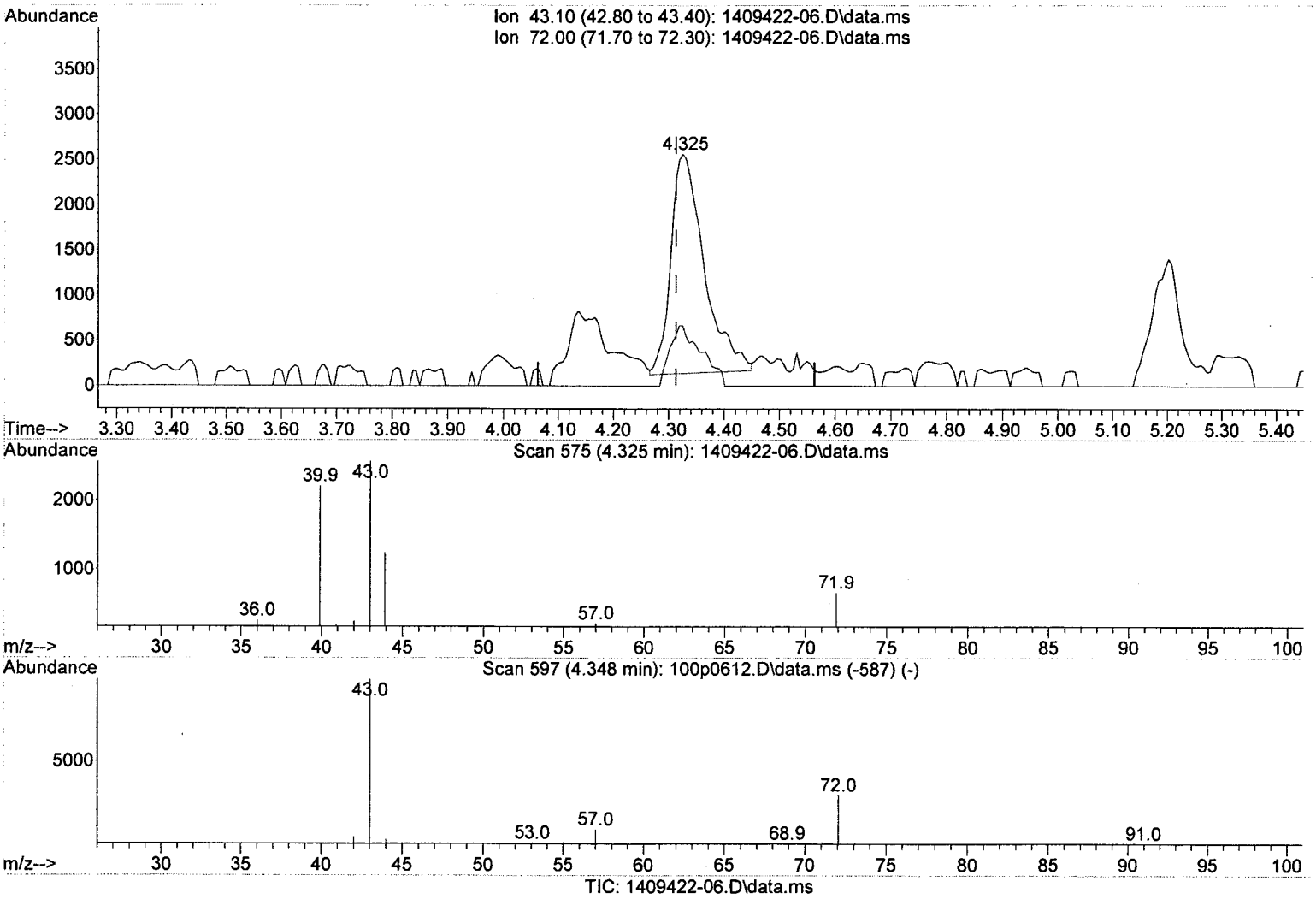
response 38051

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	37.14
0.00	0.00	0.00
0.00	0.00	0.00

009507

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-06.D
Acq On : 30 Sep 2014 22:04
Operator : DLV
Sample : 1409422-06
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 01 07:18:46 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-06.D\data.ms

(25) 2-butanone (MEK)

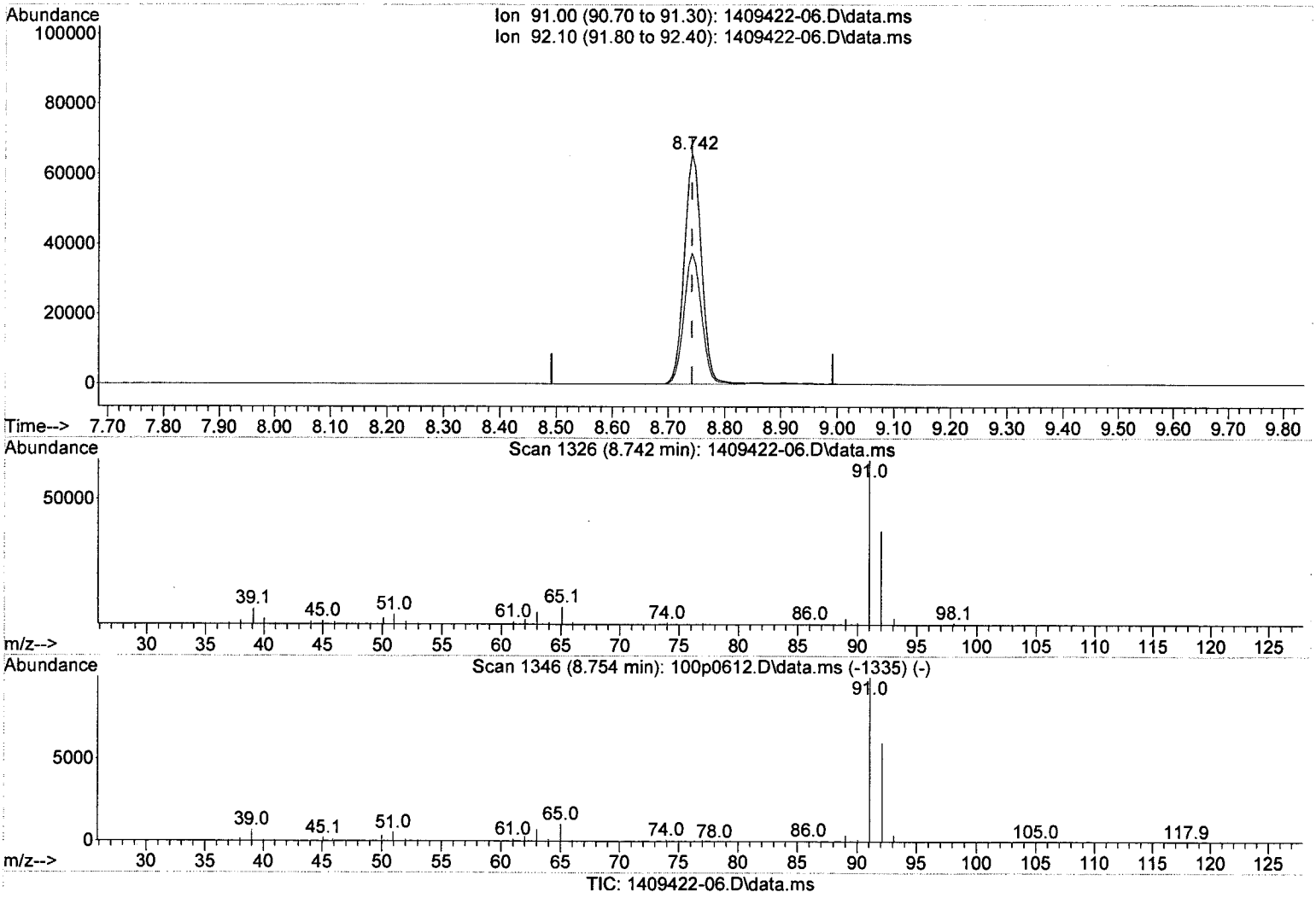
4.325min (+ 0.012) 1.74 ug/L

response 10025

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	25.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-06.D
Acq On : 30 Sep 2014 22:04
Operator : DLV
Sample : 1409422-06
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 01 07:18:46 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-06.D\data.ms

(47) toluene (C)

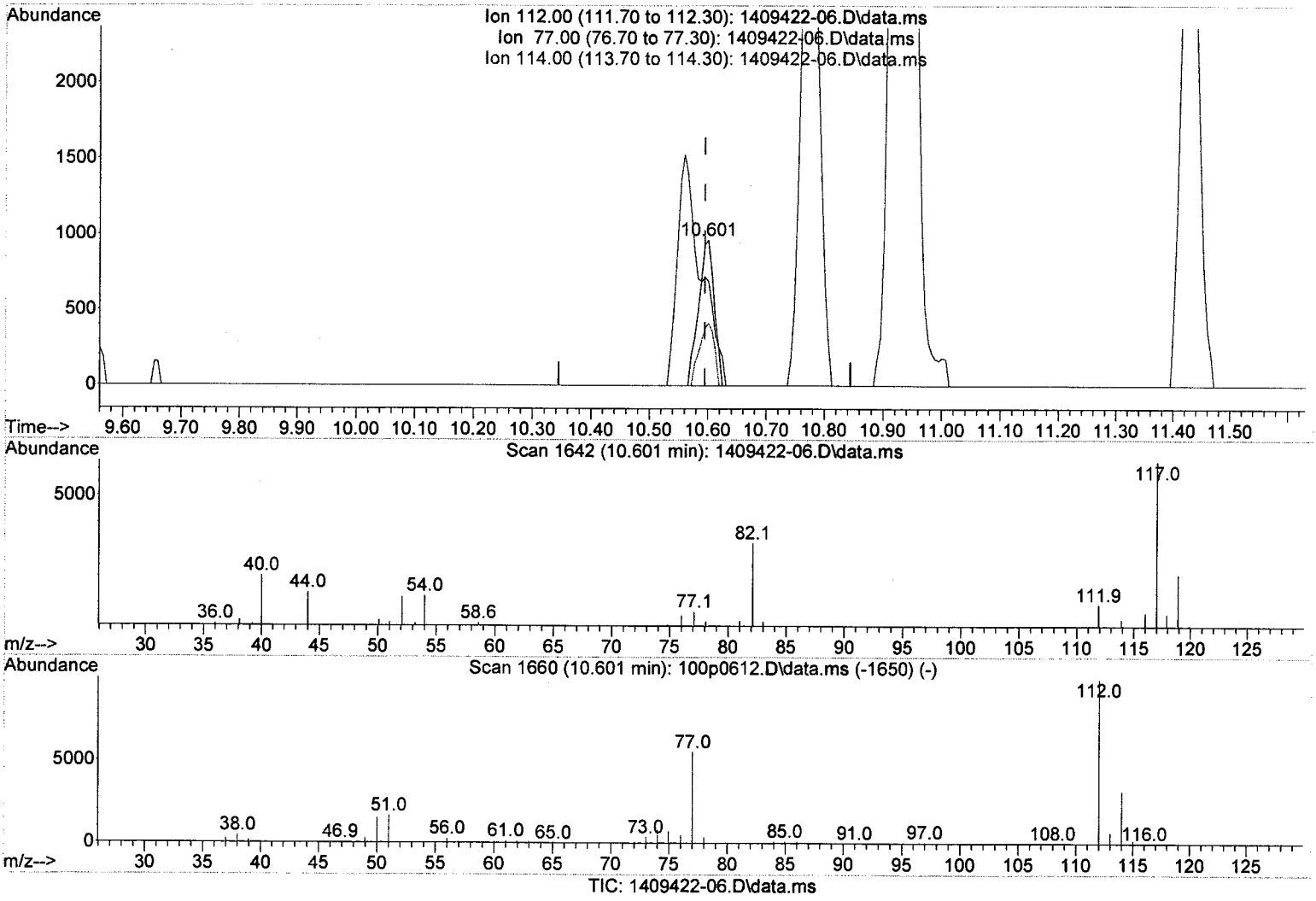
8.742min (+ 0.000) 7.83 ug/L

response 138567

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	57.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-06.D
Acq On : 30 Sep 2014 22:04
Operator : DLV
Sample : 1409422-06
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 01 07:18:46 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-06.D\data.ms

(56) chlorobenzene (P)

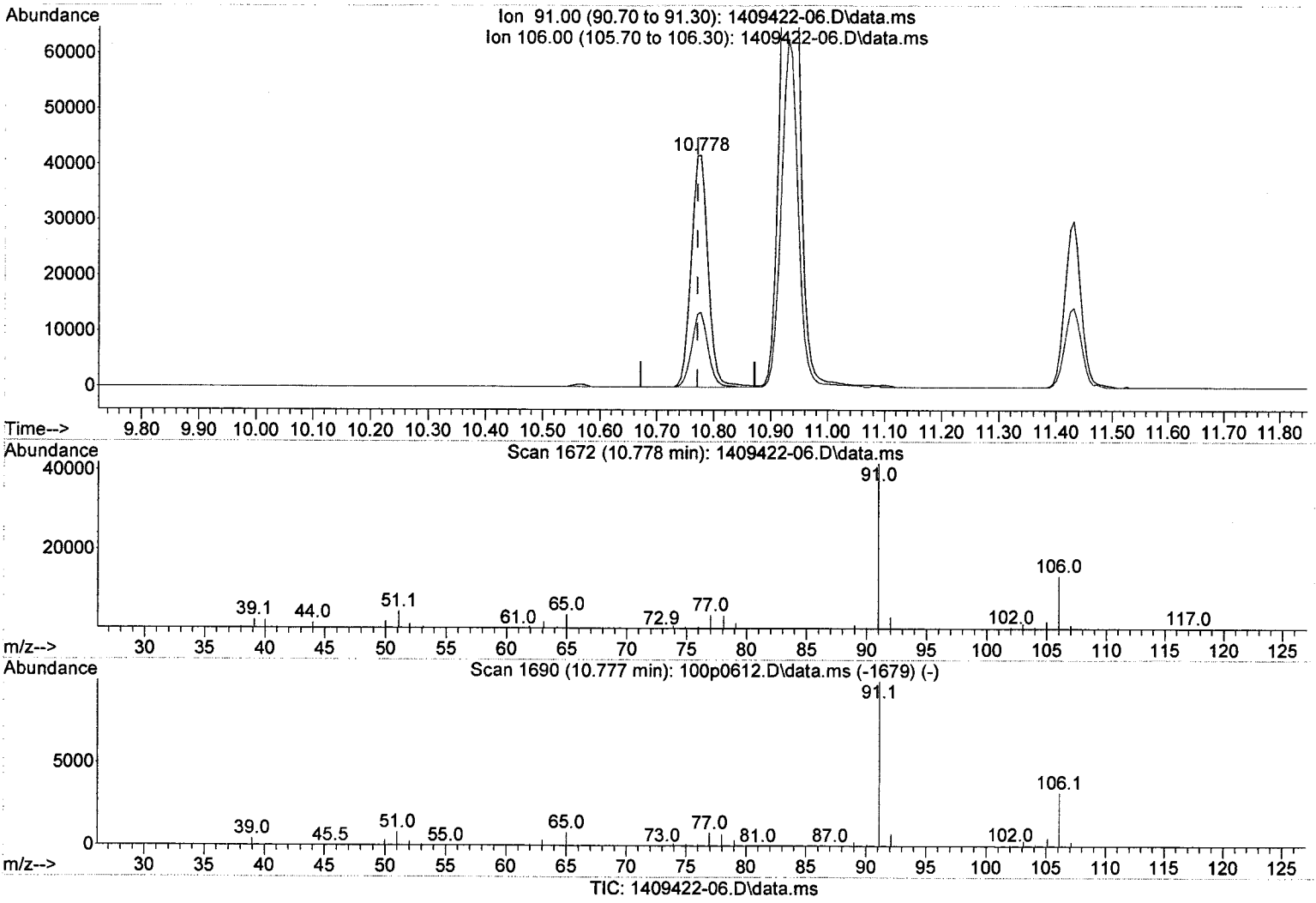
10.601min (+ 0.006) 0.15 ug/L

response 1779

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-06.D
Acq On : 30 Sep 2014 22:04
Operator : DLV
Sample : 1409422-06
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 01 07:18:46 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-06.D\data.ms

(59) ethylbenzene (C)

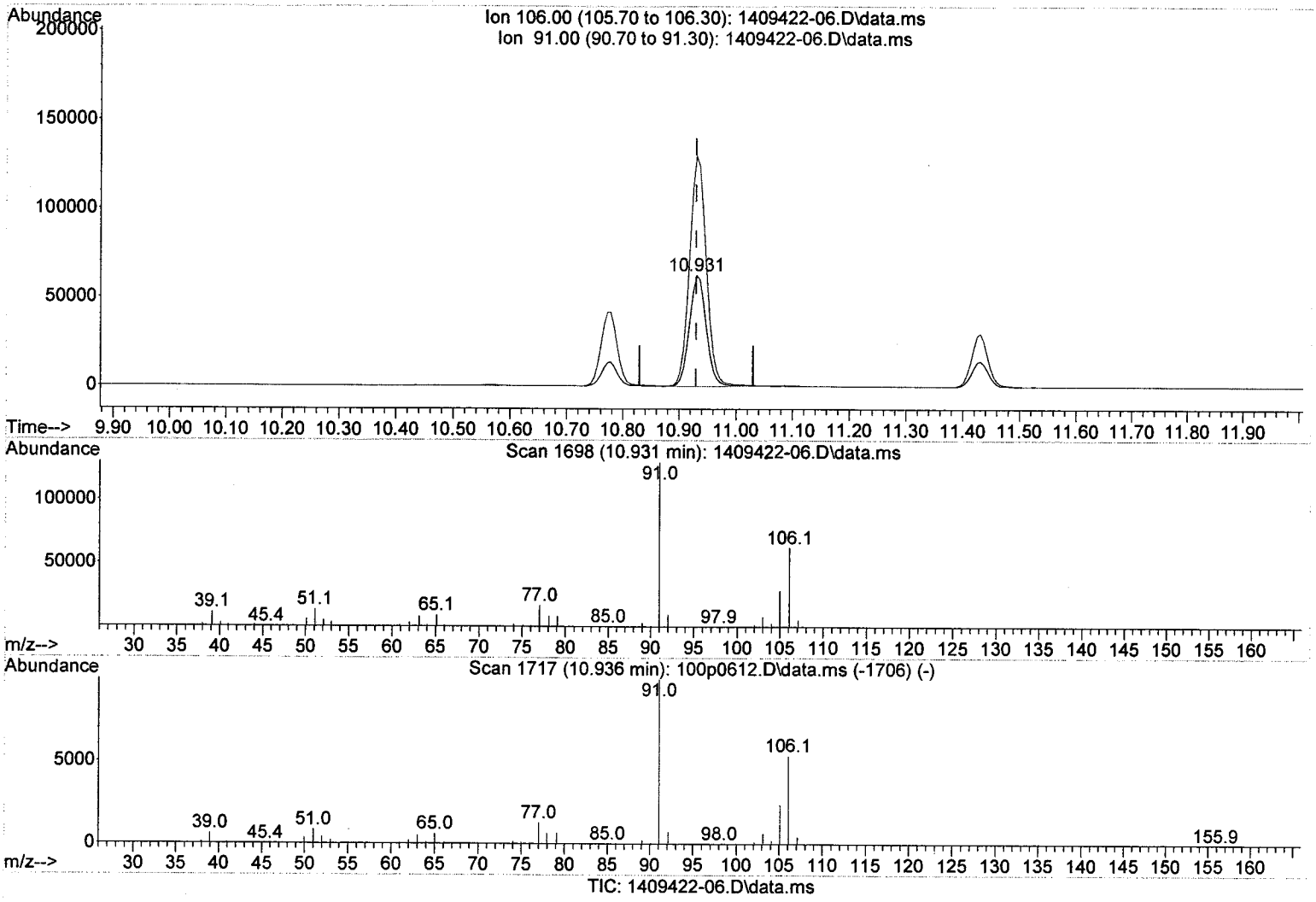
10.778min (+ 0.006) 4.28 ug/L

response 85138

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	31.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-06.D
Acq On : 30 Sep 2014 22:04
Operator : DLV
Sample : 1409422-06
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 01 07:18:46 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(60) m+p-xylene

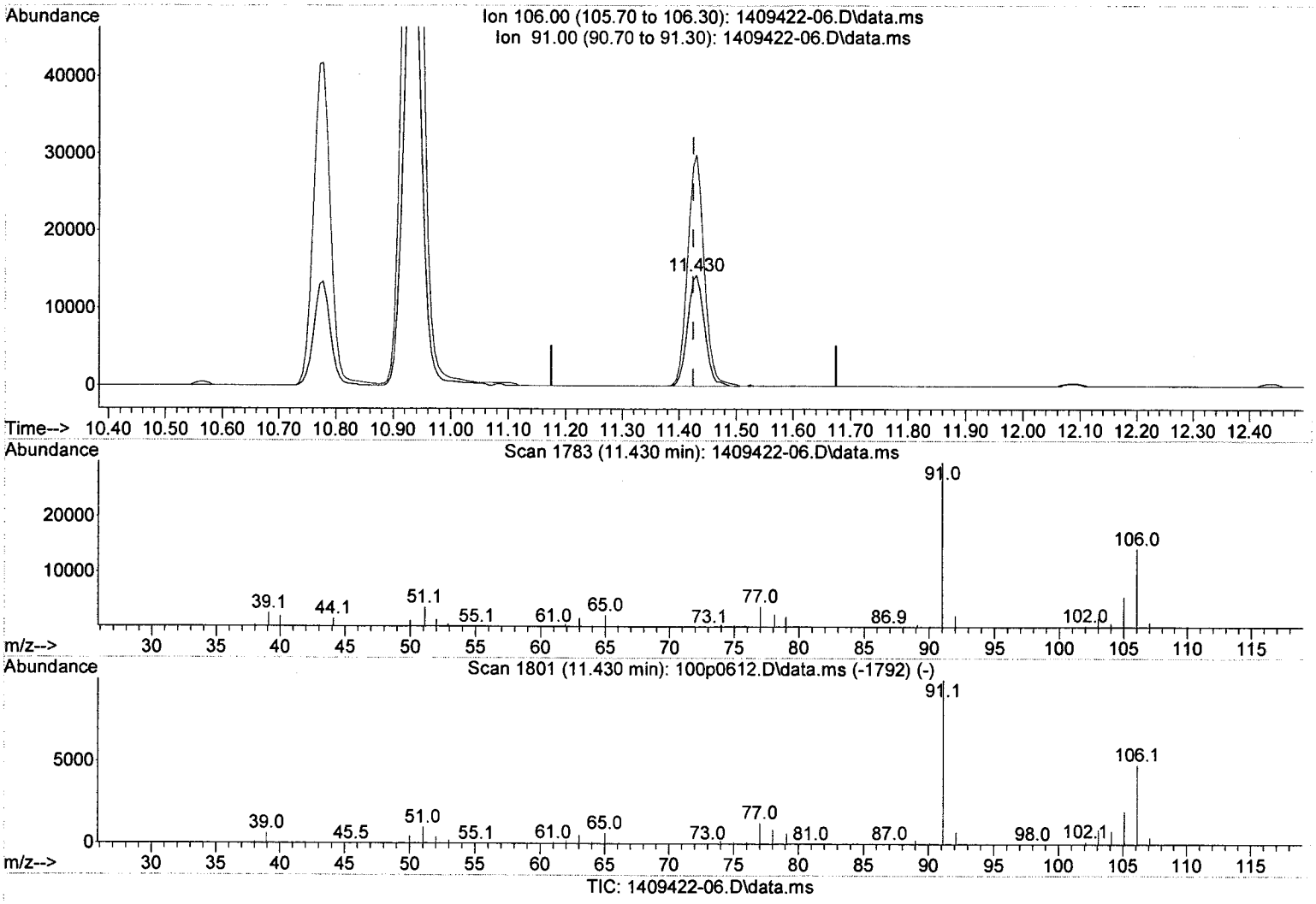
10.931min (+ 0.001) 17.28 ug/L

response 128667

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	206.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-06.D
Acq On : 30 Sep 2014 22:04
Operator : DLV
Sample : 1409422-06
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 01 07:18:46 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-06.D\data.ms

(61) o-xylene

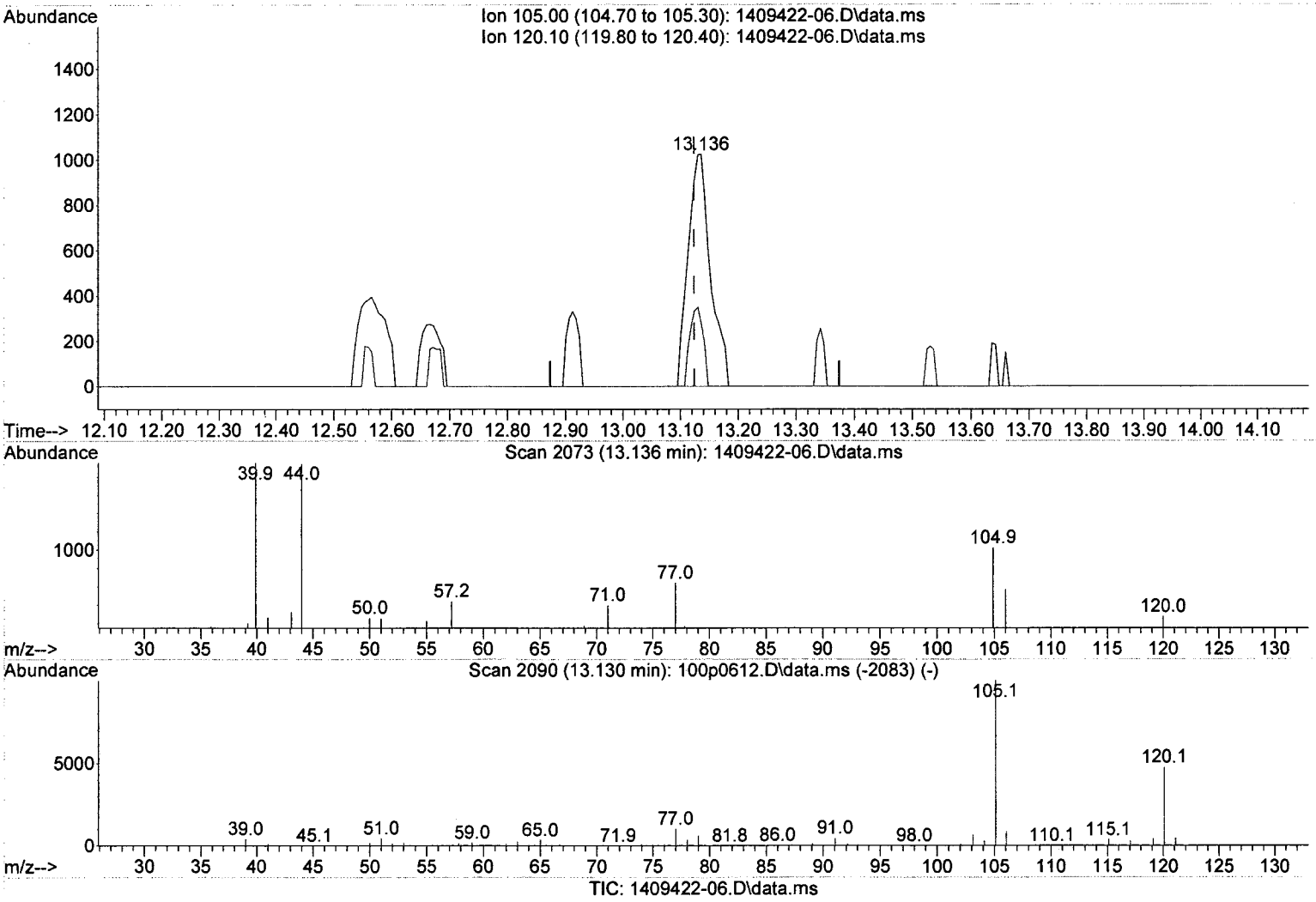
11.430min (+ 0.005) 4.12 ug/L

response 29145

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	204.93
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-06.D
Acq On : 30 Sep 2014 22:04
Operator : DLV
Sample : 1409422-06
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 01 07:18:46 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(76) 1,2,4-trimethylbenzene

13.136min (+ 0.012) 0.17 ug/L

response 2740

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-07
File ID: 1409422-07.D
Sampled: 09/23/14 10:00
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 17:22
Solids: 95.97
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	17	4.4	5.2	5.2	
71-43-2	Benzene	1	0.52	0.17	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.52	0.24	0.52	1.0	U
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.23	0.16	0.52	1.0	J
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.27	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.097	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.24	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.24	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.13	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-07
File ID: 1409422-07.D
Sampled: 09/23/14 10:00
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 17:22
Solids: 95.97
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	5.4	0.19	0.52	1.0	
87-68-3	Hexachlorobutadiene	1	0.52	0.22	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.49	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	5.2	1.2	5.2	5.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	0.52	0.18	0.52	1.0	U
108-88-3	Toluene	1	11	0.10	0.21	1.0	
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.18	0.12	0.52	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	22	0.15	0.42	2.1	
95-47-6	Xylene, Ortho	1	4.7	0.12	0.21	1.0	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.5	104	78 - 119	
1,2-Dichloroethane-d4	40.0	43.2	108	71 - 136	
Toluene-d8	40.0	39.9	100	85 - 116	
4-Bromofluorobenzene	40.0	40.6	102	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	478330	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB15-35

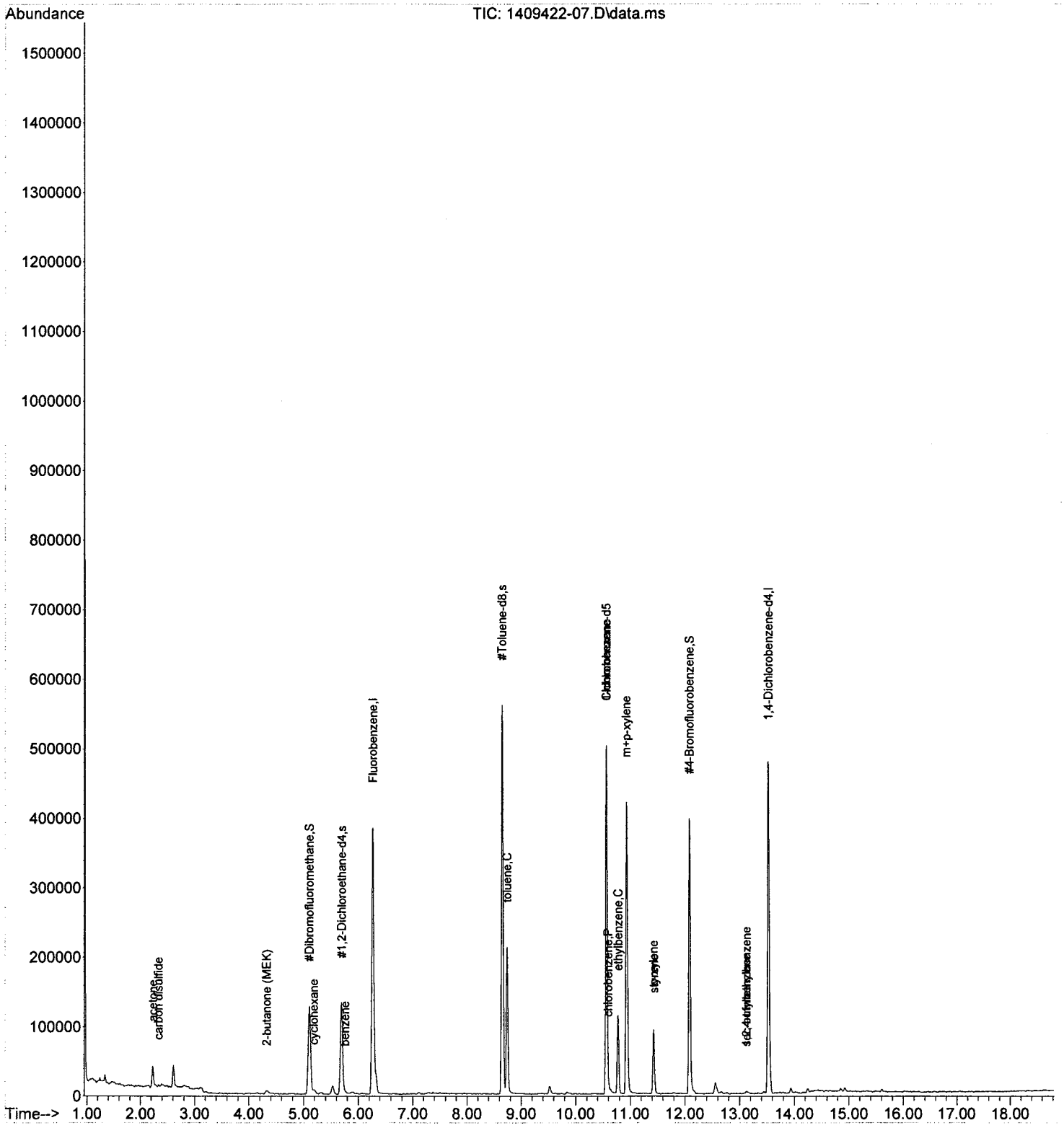
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-07
File ID: 1409422-07.D
Sampled: 09/23/14 10:00
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 17:22
Solids: 95.97
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	341396	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	167541	13.53	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07.D
Acq On : 30 Sep 2014 17:22
Operator : DLV
Sample : 1409422-07
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 07:18:49 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000518

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07.D
Acq On : 30 Sep 2014 17:22
Operator : DLV
Sample : 1409422-07
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 07:18:49 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	478330	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	341396	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	167541	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	124799	41.49	ug/L	0.00
Spiked Amount 40.000			Recovery = 103.72%			
37) #1,2-Dichloroethane-d4	5.695	67	74059	43.17	ug/L	0.00
Spiked Amount 40.000			Recovery = 107.93%			
46) #Toluene-d8	8.654	98	463549	39.91	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.77%			
64) #4-Bromofluorobenzene	12.083	95	173827	40.61	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.53%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	41856	15.61	ug/L	100
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.337	76	1573	0.14	ug/L #	74
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	18780	Below Cal		97
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	8712	1.07	ug/L	97
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	5.190	56	1571	0.22	ug/L #	18
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	5.760	78	1814	0.11	ug/L #	65
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

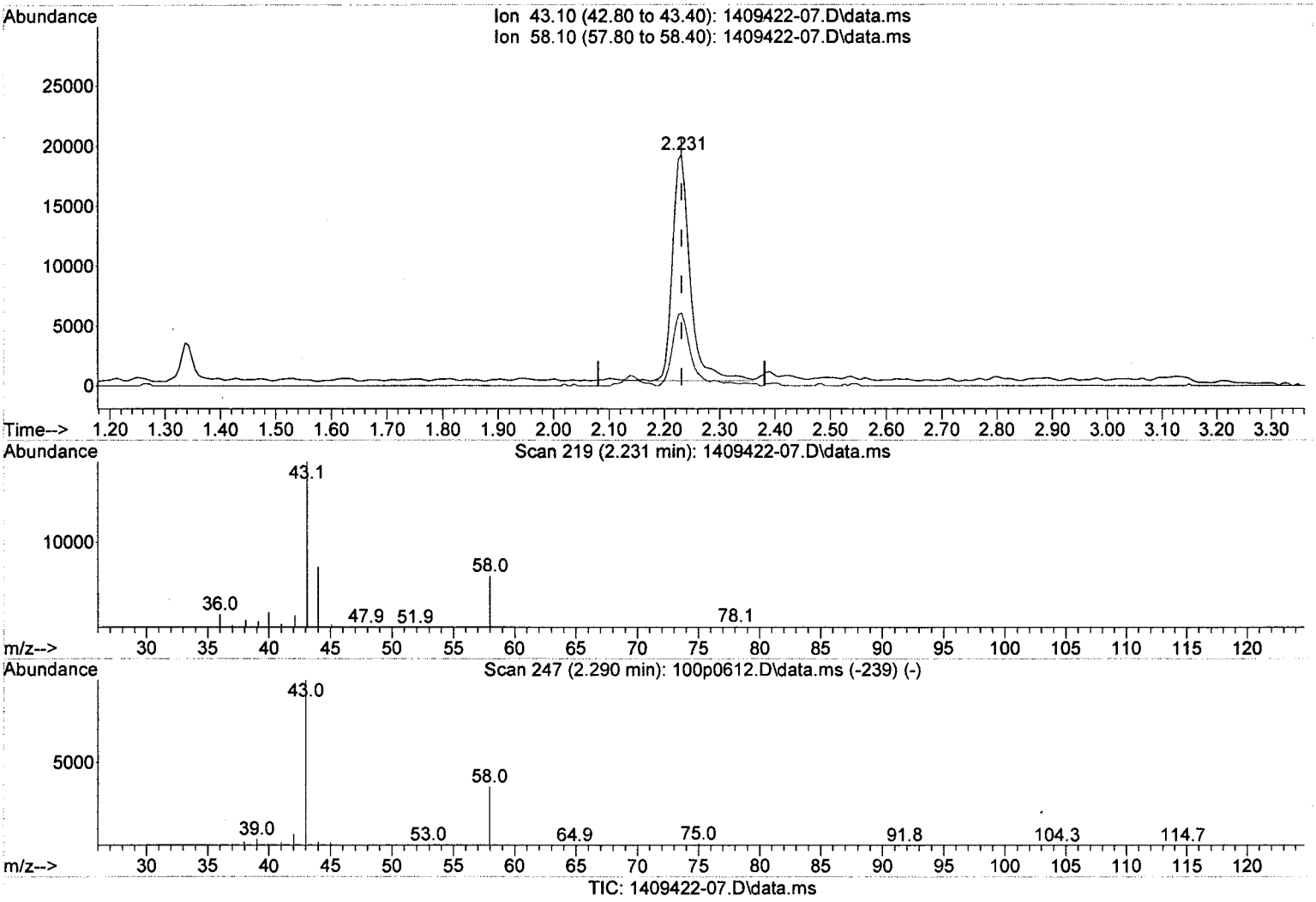
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07.D
Acq On : 30 Sep 2014 17:22
Operator : DLV
Sample : 1409422-07
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 07:18:49 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.742	91	189438	10.77	ug/L		100
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	0.000		0	N.D.			
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	10.595	112	2502	0.22	ug/L	#	27
57)	1-chlorohexane	10.566	55	2573	0.57	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.778	91	100907	5.09	ug/L		100
60)	m+p-xylene	10.930	106	152689	20.56	ug/L		98
61)	o-xylene	11.430	106	31082	4.40	ug/L		97
62)	styrene	11.436	104	2701	~~0.22~~	ug/L	#	1
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	13.124	105	2628	0.17	ug/L	#	32
77)	sec-butylbenzene	13.124	105	2552	0.13	ug/L	#	57
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07.D
Acq On : 30 Sep 2014 17:22
Operator : DLV
Sample : 1409422-07
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 07:18:49 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-07.D\data.ms

(13) acetone

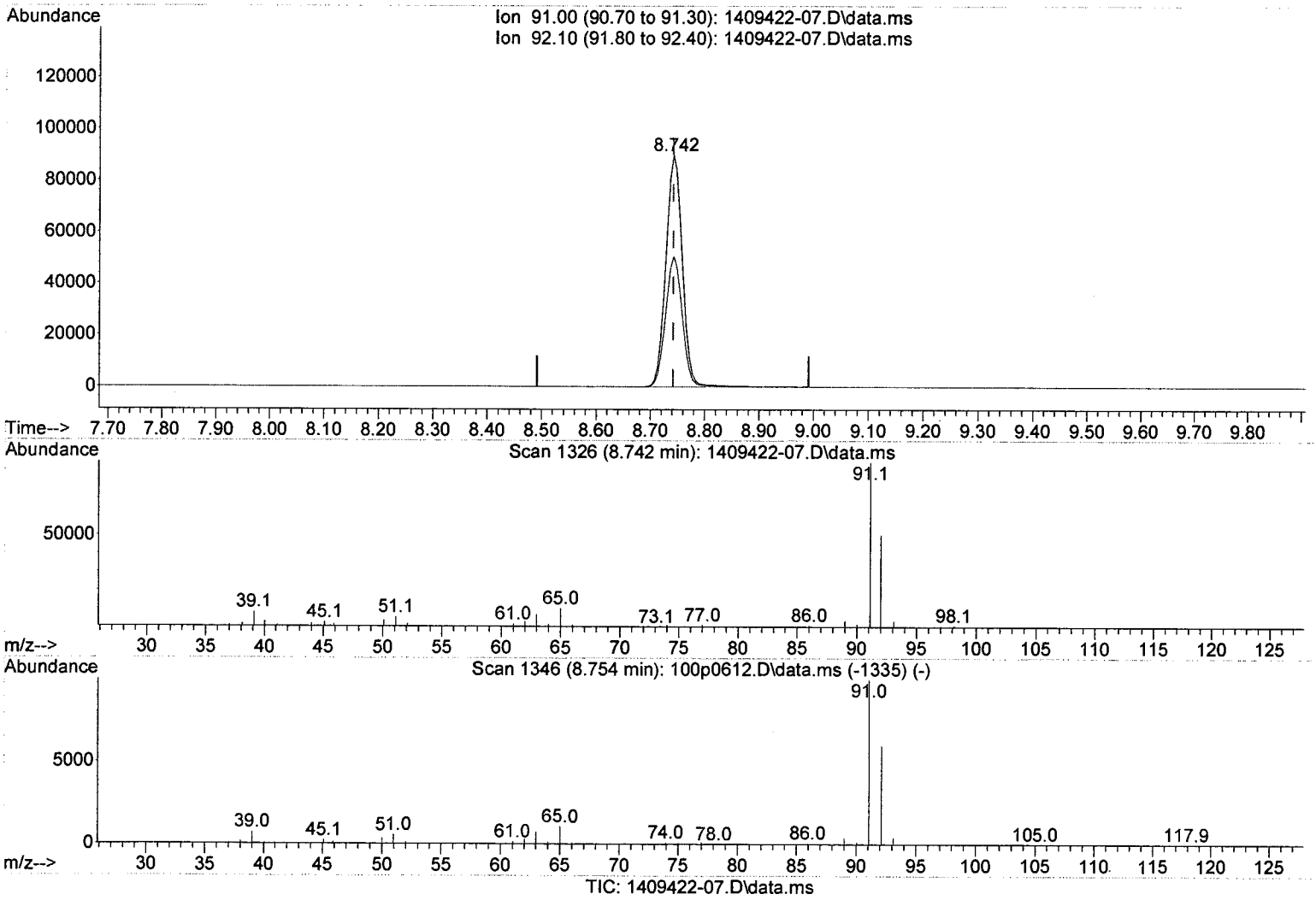
2.231min (-0.000) 15.61 ug/L

response 41856

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	34.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07.D
Acq On : 30 Sep 2014 17:22
Operator : DLV
Sample : 1409422-07
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 07:18:49 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-07.D\data.ms

(47) toluene (C)

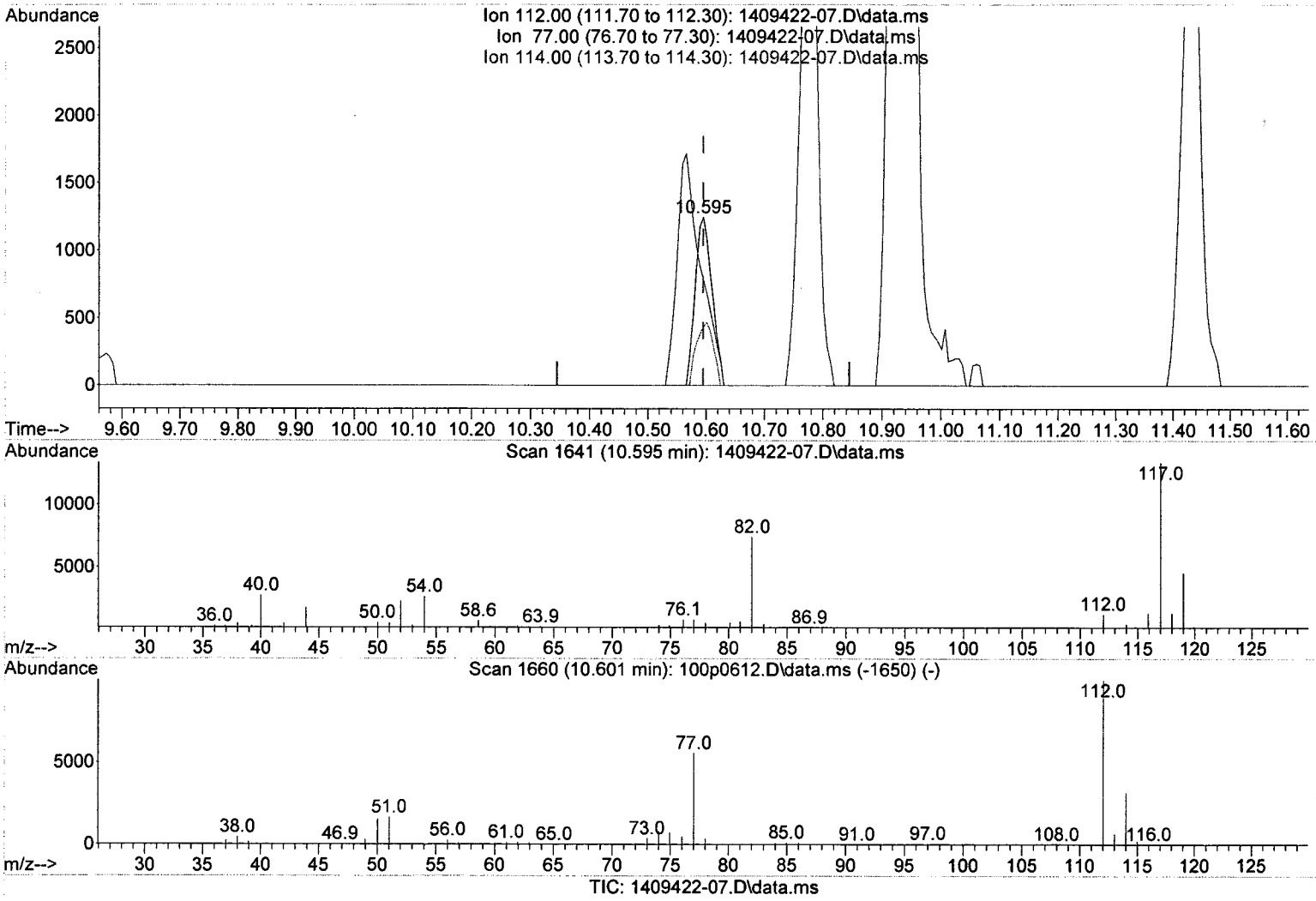
8.742min (+ 0.000) 10.77 ug/L

response 189438

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	57.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07.D
Acq On : 30 Sep 2014 17:22
Operator : DLV
Sample : 1409422-07
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 07:18:49 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-07.D\data.ms

(56) chlorobenzene (P)

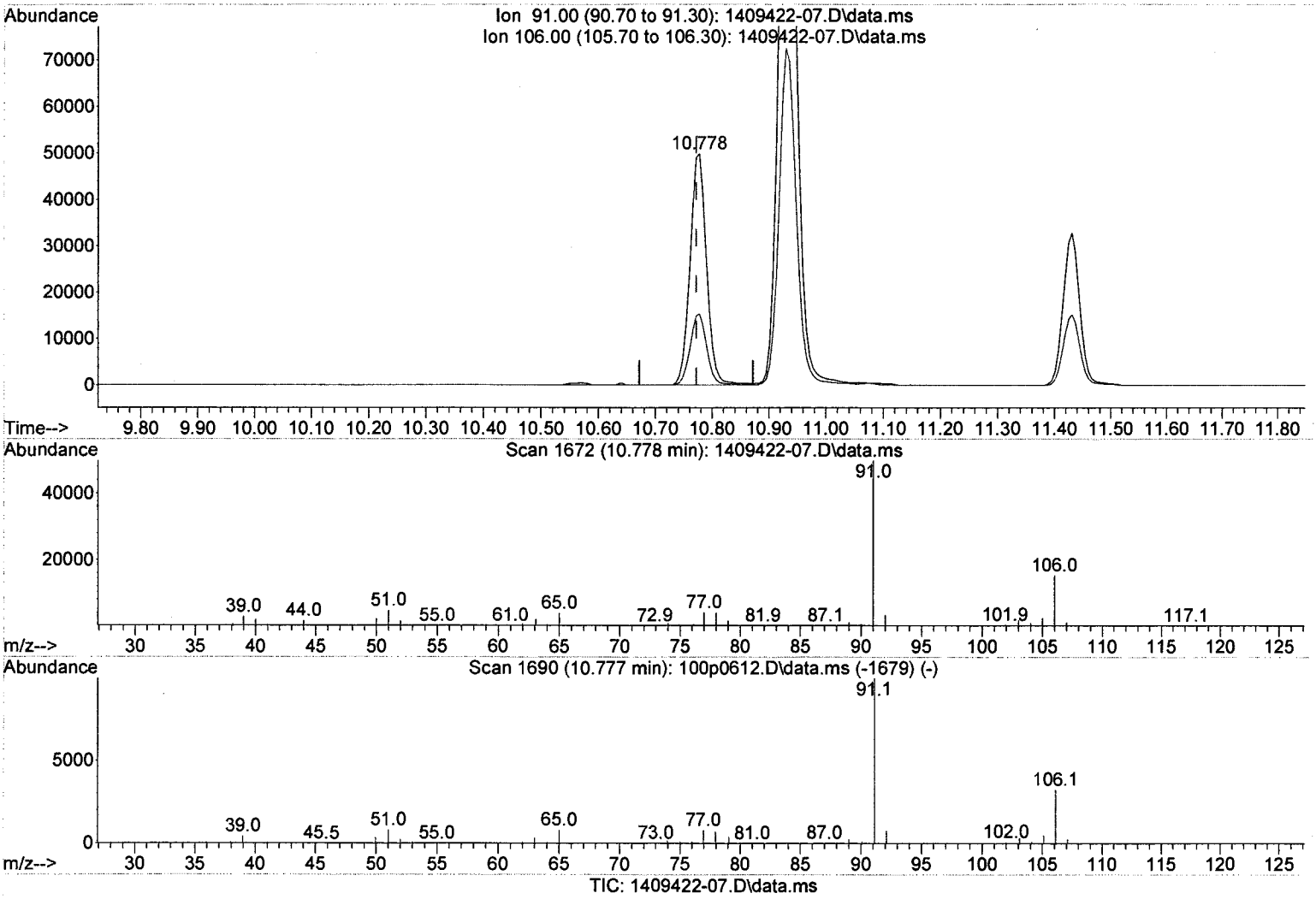
10.595min (+ 0.000) 0.22 ug/L

response 2502

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07.D
Acq On : 30 Sep 2014 17:22
Operator : DLV
Sample : 1409422-07
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 07:18:49 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-07.D\data.ms

(59) ethylbenzene (C)

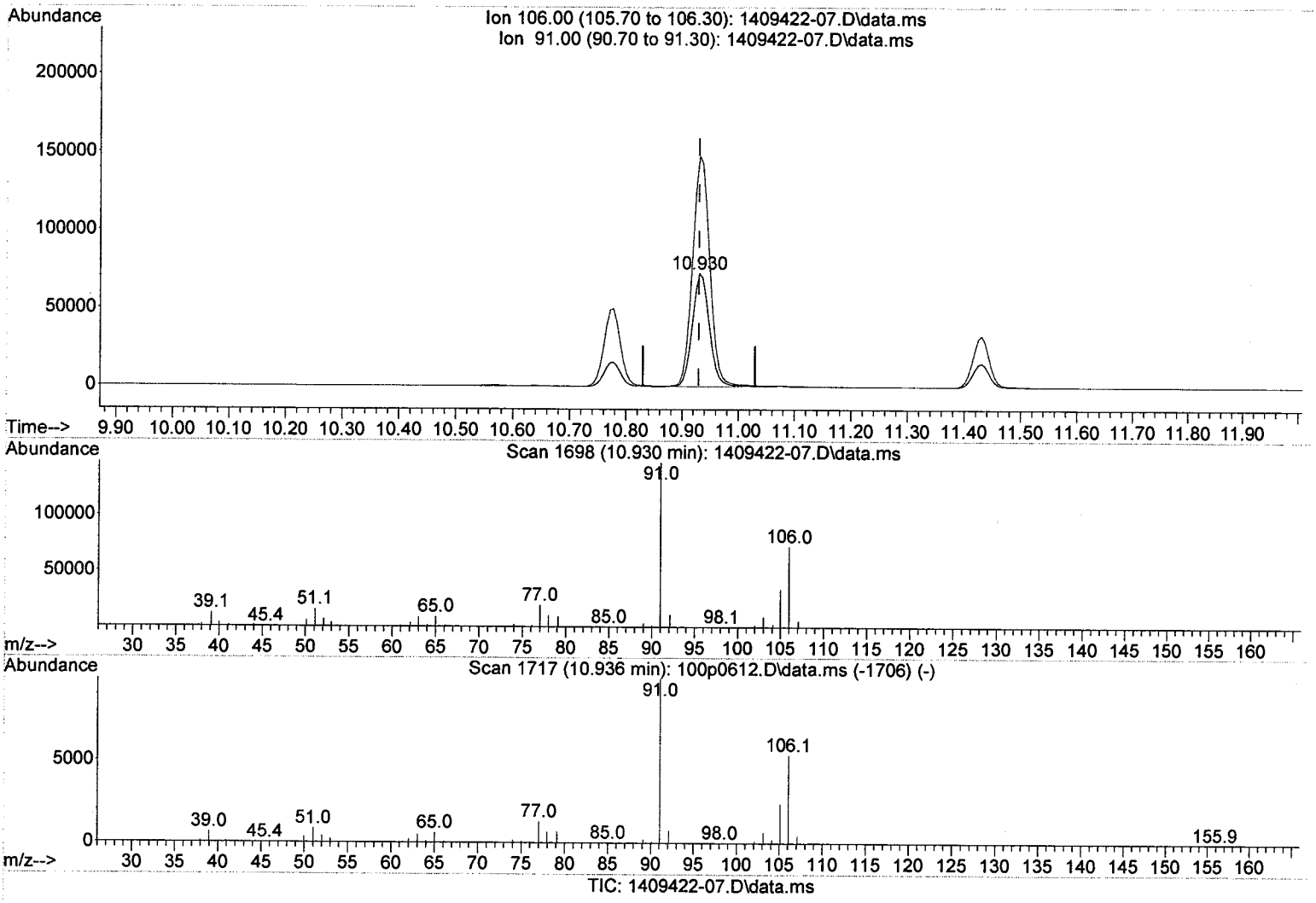
10.778min (+ 0.006) 5.09 ug/L

response 100907

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	31.01
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07.D
Acq On : 30 Sep 2014 17:22
Operator : DLV
Sample : 1409422-07
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 07:18:49 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-07.D\data.ms

(60) m+p-xylene

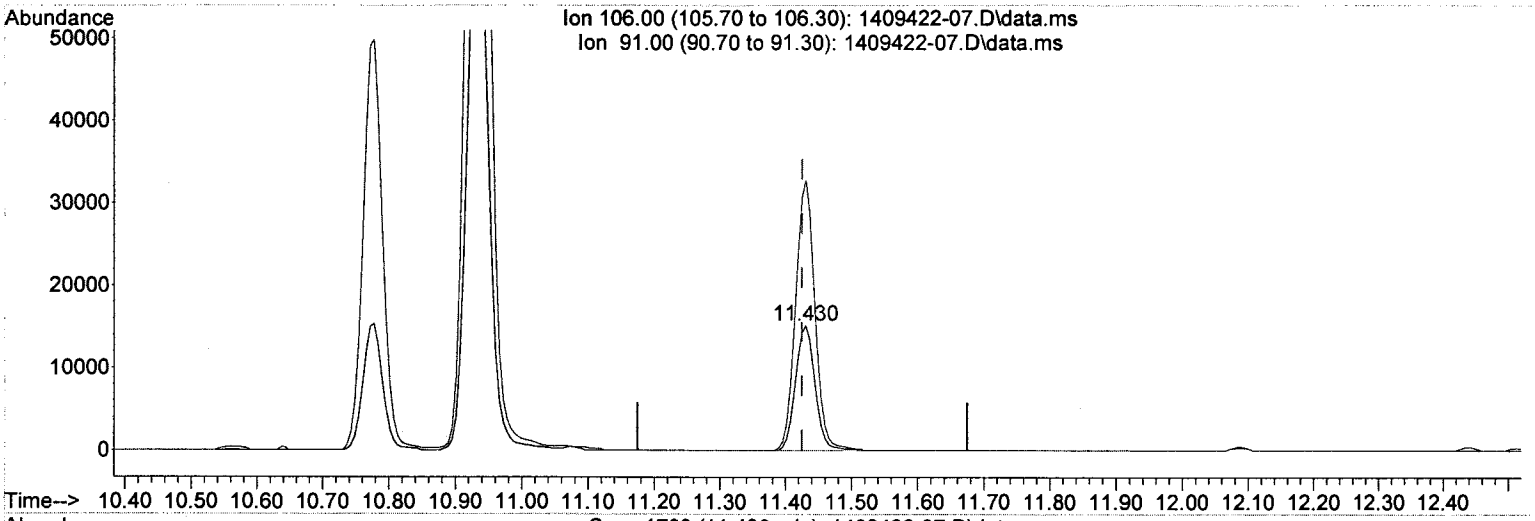
10.930min (+ 0.000) 20.56 ug/L

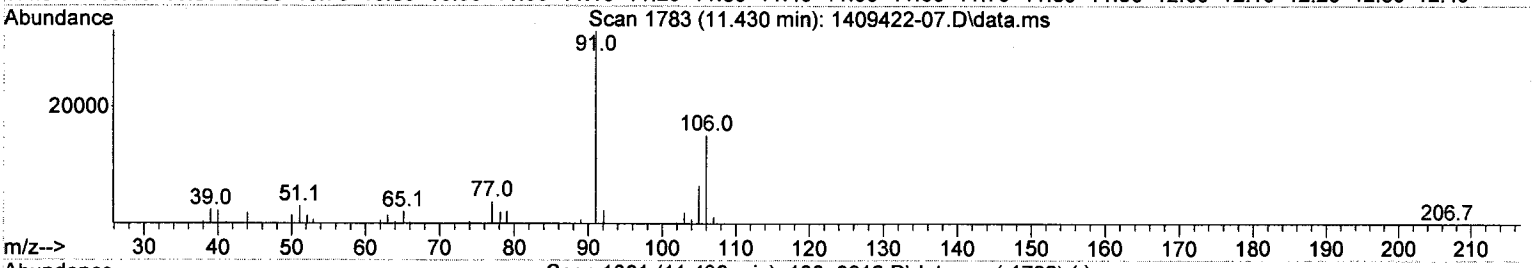
response 152689

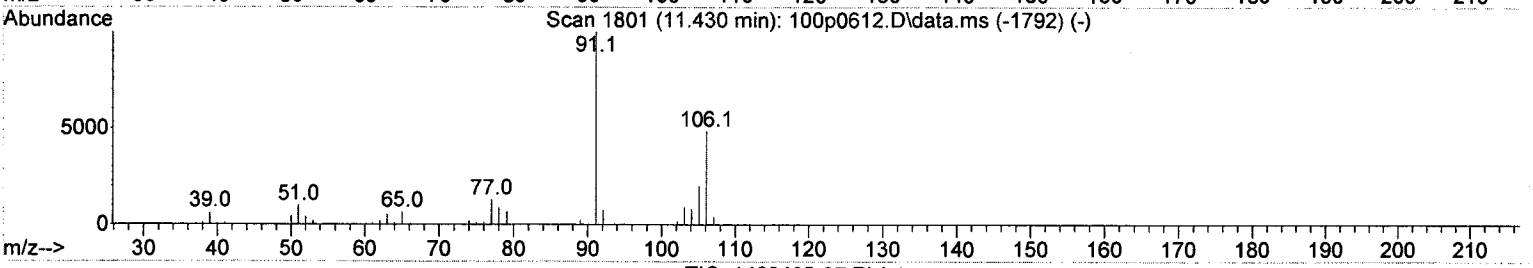
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	204.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07.D
Acq On : 30 Sep 2014 17:22
Operator : DLV
Sample : 1409422-07
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 07:18:49 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409422-07.D\data.ms

(61) o-xylene

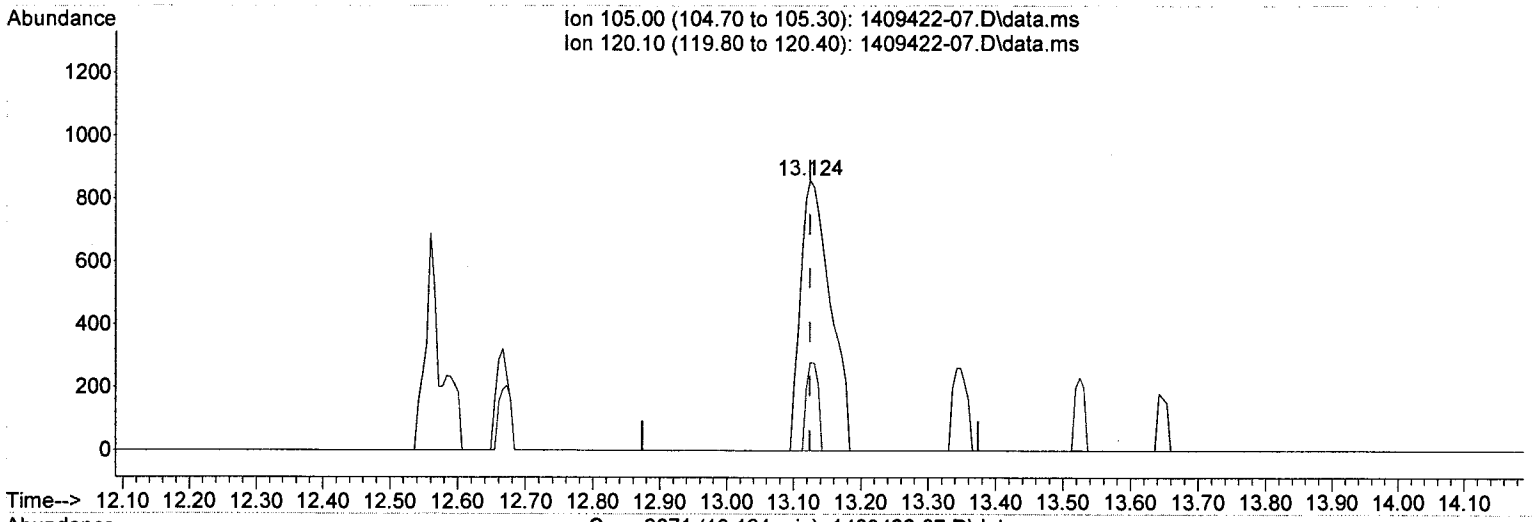
11.430min (+ 0.005) 4.40 ug/L

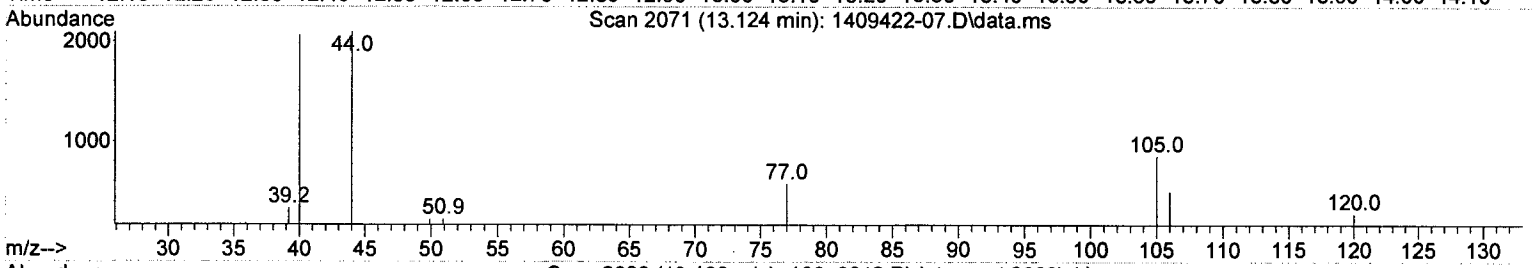
response 31082

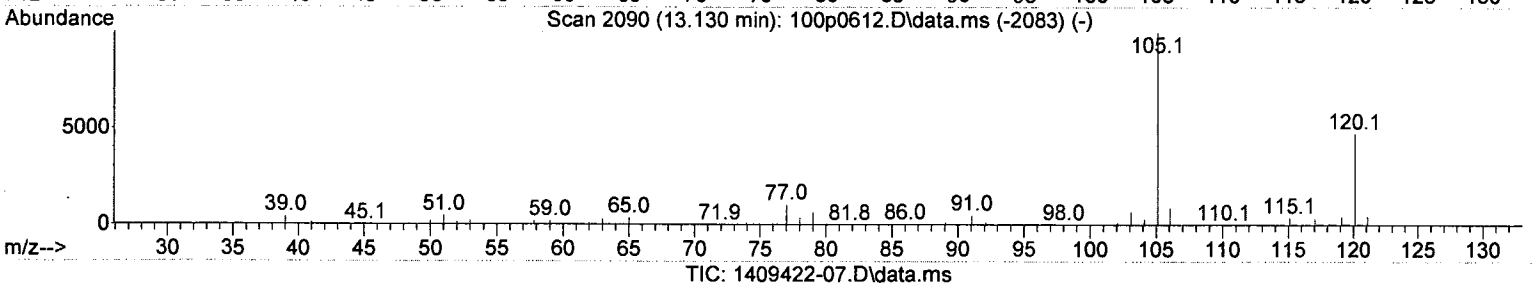
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	214.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07.D
Acq On : 30 Sep 2014 17:22
Operator : DLV
Sample : 1409422-07
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 07:18:49 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409422-07.D\data.ms

(76) 1,2,4-trimethylbenzene

13.124min (+ 0.000) 0.17 ug/L

response 2628

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB15-35DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-08 File ID: 1409422-08.D

Sampled: 09/23/14 10:00 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 22:28

Solids: 97.60 Preparation: 5035A Low Concentratio Initial/Final: 4.9 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	16	4.3	5.1	5.1	
71-43-2	Benzene	1	0.51	0.16	0.51	1.0	U
108-86-1	Bromobenzene	1	0.51	0.14	0.51	1.0	U
74-97-5	Bromochloromethane	1	0.51	0.15	0.51	1.0	U
75-27-4	Bromodichloromethane	1	0.51	0.18	0.51	1.0	U
75-25-2	Bromoform	1	0.51	0.37	0.51	1.0	U
74-83-9	Bromomethane	1	0.51	0.34	0.51	1.0	U
104-51-8	n-Butylbenzene	1	0.51	0.27	0.51	1.0	U
135-98-8	sec-Butylbenzene	1	0.51	0.22	0.51	1.0	U
98-06-6	tert-Butylbenzene	1	0.51	0.17	0.51	1.0	U
75-15-0	Carbon Disulfide	1	0.51	0.24	0.51	1.0	U
56-23-5	Carbon Tetrachloride	1	0.51	0.33	0.51	1.0	U
108-90-7	Chlorobenzene	1	0.51	0.15	0.51	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.51	0.15	0.51	1.0	U
74-87-3	Chloromethane	1	0.51	0.26	0.51	1.0	U
95-49-8	2-Chlorotoluene	1	0.51	0.30	0.51	1.0	U
106-43-4	4-Chlorotoluene	1	0.20	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.60	1.0	5.1	U
124-48-1	Dibromochloromethane	1	0.51	0.19	0.51	1.0	U
106-93-4	1,2-Dibromoethane	1	0.51	0.16	0.51	1.0	U
74-95-3	Dibromomethane	1	0.51	0.23	0.51	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.096	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.51	0.15	0.51	1.0	U
75-34-3	1,1-Dichloroethane	1	0.51	0.22	0.51	1.0	U
107-06-2	1,2-Dichloroethane	1	0.51	0.23	0.51	1.0	U
75-35-4	1,1-Dichloroethene	1	0.51	0.31	0.51	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.51	0.23	0.51	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.51	0.28	0.51	1.0	U
78-87-5	1,2-Dichloropropane	1	0.51	0.17	0.51	1.0	U
142-28-9	1,3-Dichloropropane	1	0.51	0.15	0.51	1.0	U
594-20-7	2,2-Dichloropropane	1	0.51	0.23	0.51	1.0	U
563-58-6	1,1-Dichloropropene	1	0.51	0.28	0.51	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.20	0.12	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.51	0.12	0.51	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB15-35DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-08 File ID: 1409422-08.D

Sampled: 09/23/14 10:00 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 22:28

Solids: 97.60 Preparation: 5035A Low Concentratio Initial/Final: 4.9 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	3.4	0.19	0.51	1.0	
87-68-3	Hexachlorobutadiene	1	0.51	0.21	0.51	1.0	U
591-78-6	2-Hexanone	1	0.51	0.49	0.51	5.1	U
98-82-8	Isopropylbenzene	1	0.20	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	1	0.51	0.25	0.51	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.1	U
78-93-3	2-Butanone (MEK)	1	5.1	1.1	5.1	5.1	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.51	0.40	0.51	5.1	U
91-20-3	Naphthalene	1	0.51	0.16	0.51	5.1	U
103-65-1	n-Propylbenzene	1	0.51	0.12	0.51	1.0	U
100-42-5	Styrene	1	0.20	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
127-18-4	Tetrachloroethene	1	0.51	0.18	0.51	1.0	U
108-88-3	Toluene	1	6.3	0.10	0.20	1.0	
87-61-6	1,2,3-Trichlorobenzene	1	0.51	0.29	0.51	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.51	0.17	0.51	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.51	0.15	0.51	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.51	0.22	0.51	1.0	U
79-01-6	Trichloroethene	1	0.51	0.25	0.51	1.0	U
75-69-4	Trichlorofluoromethane	1	0.51	0.18	0.51	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.51	0.23	0.51	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.15	0.12	0.51	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.51	0.20	0.51	1.0	U
75-01-4	Vinyl Chloride	1	0.51	0.20	0.51	1.0	U
179601-23-1	Xylene, Meta + Para	1	13	0.15	0.41	2.0	
95-47-6	Xylene, Ortho	1	3.0	0.11	0.20	1.0	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.3	103	78 - 119	
1,2-Dichloroethane-d4	40.0	42.5	106	71 - 136	
Toluene-d8	40.0	40.6	102	85 - 116	
4-Bromofluorobenzene	40.0	42.1	105	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	463157	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB15-35DUP

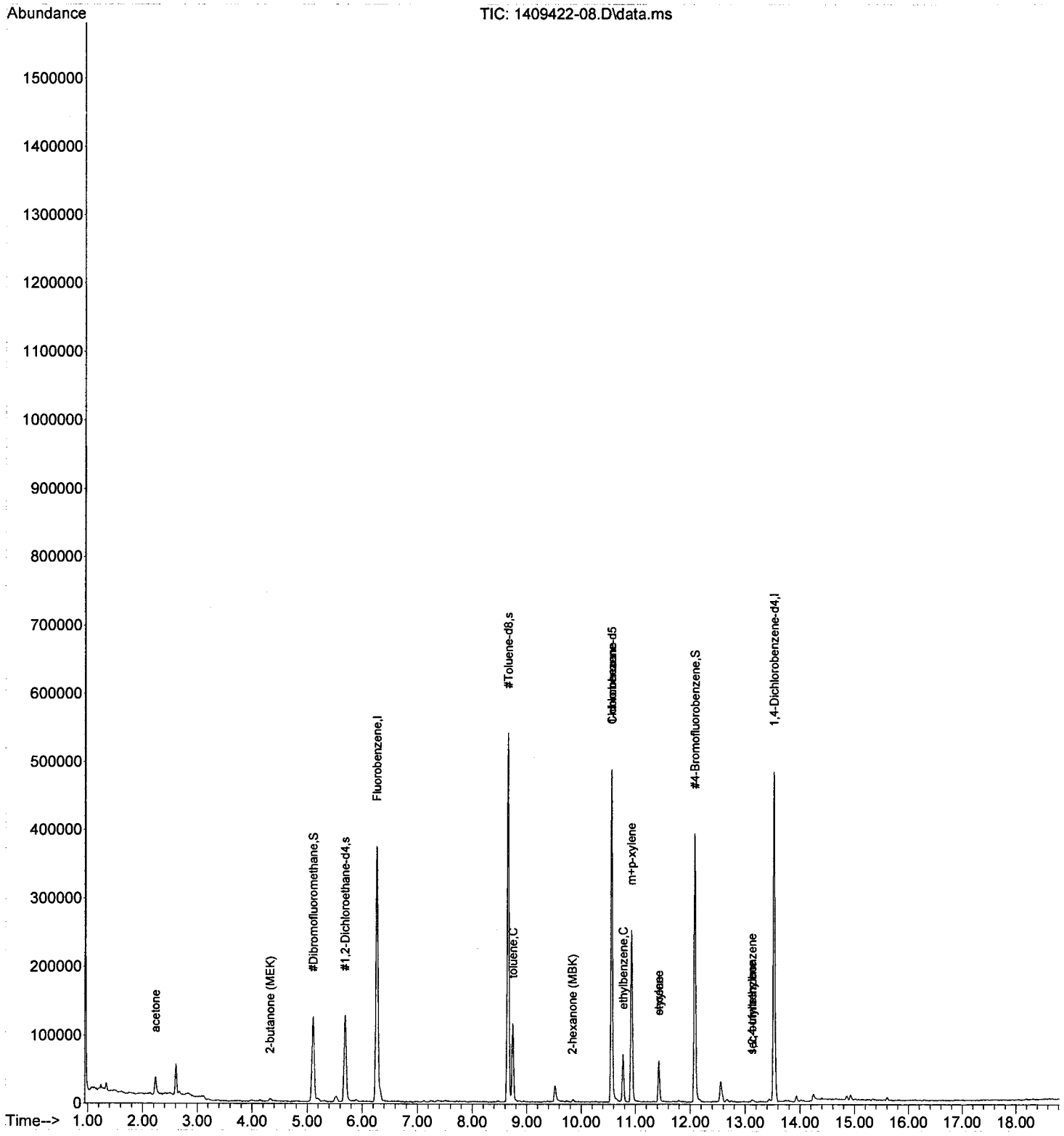
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-08
File ID: 1409422-08.D
Sampled: 09/23/14 10:00
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 22:28
Solids: 97.60
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	326561	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	164191	13.525	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-08.D
Acq On : 30 Sep 2014 22:28
Operator : DLV
Sample : 1409422-08
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 01 07:18:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000531

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-08.D
Acq On : 30 Sep 2014 22:28
Operator : DLV
Sample : 1409422-08
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 01 07:18:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	463157	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	326561	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	164191	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	120392	41.34	ug/L	0.00
Spiked Amount 40.000			Recovery =	103.35%		
37) #1,2-Dichloroethane-d4	5.690	67	70605	42.50	ug/L	0.00
Spiked Amount 40.000			Recovery =	106.25%		
46) #Toluene-d8	8.654	98	456886	40.63	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.58%		
64) #4-Bromofluorobenzene	12.083	95	172274	42.08	ug/L	0.00
Spiked Amount 40.000			Recovery =	105.20%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	40717	15.77	ug/L	99
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	26119	Below Cal		100
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	8205	0.94	ug/L	95
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

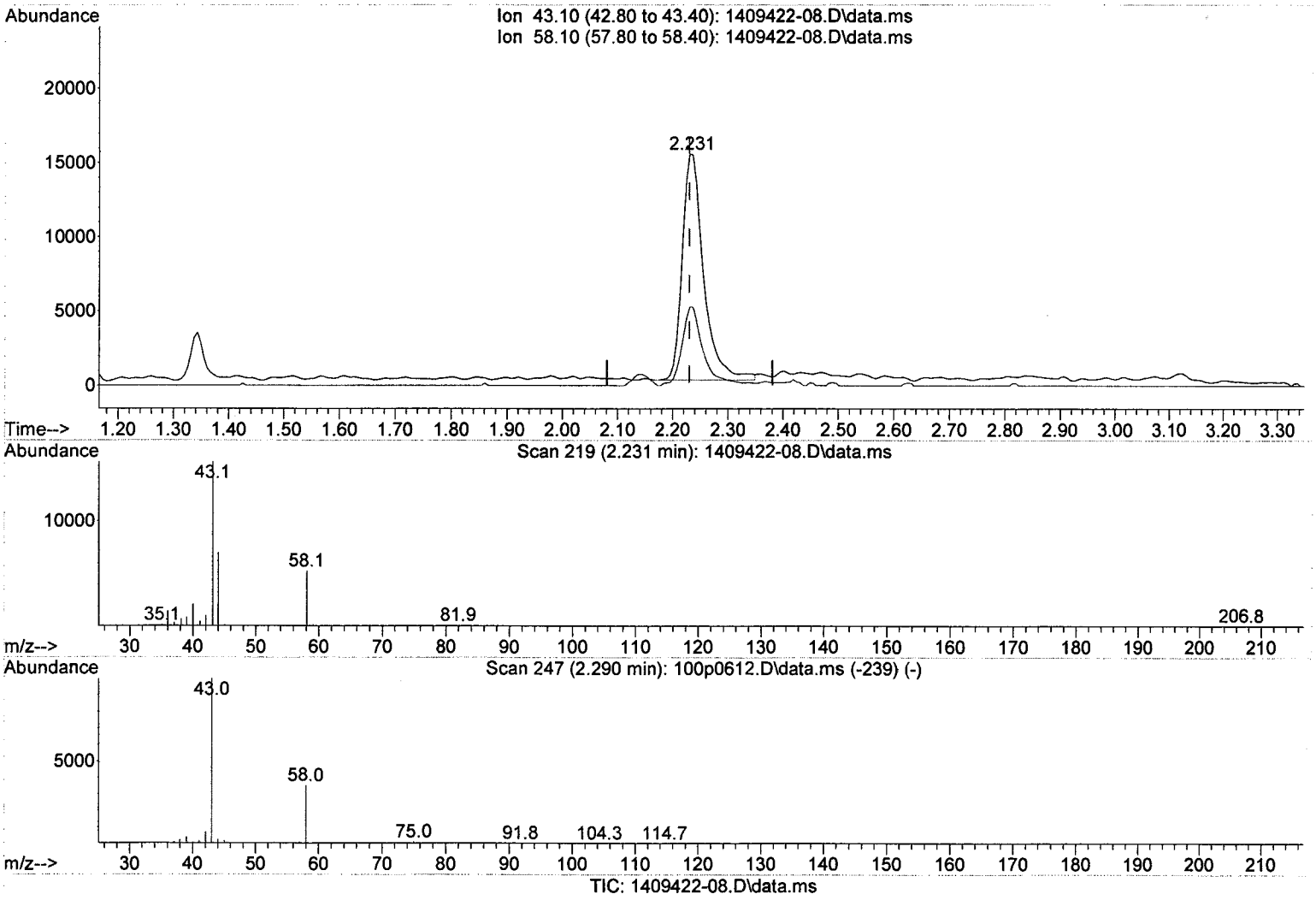
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-08.D
Acq On : 30 Sep 2014 22:28
Operator : DLV
Sample : 1409422-08
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 01 07:18:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	0.000		0	N.D.			
40) 1,2-dichloropropane	0.000		0	N.D.			
41) dibromomethane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	0.000		0	N.D.			
45) 4-methyl-2-pentanone (...	0.000		0	N.D.			
47) toluene	8.742	91	102140	6.00	ug/L		99
48) trans-1,3-dichloropropene	0.000		0	N.D.			
49) 1,1,2-trichloroethane	0.000		0	N.D.			
51) tetrachloroethene	0.000		0	N.D.			
52) 1,3-dichloropropane	0.000		0	N.D.			
53) 2-hexanone (MBK)	9.842	43	1542	0.57	ug/L	#	39
54) dibromochloromethane	0.000		0	N.D.			
55) 1,2-dibromoethane	0.000		0	N.D.			
56) chlorobenzene	0.000		0	N.D.			
57) 1-chlorohexane	10.566	55	3004	0.70	ug/L	#	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59) ethylbenzene	10.778	91	62177	3.28	ug/L		99
60) m+p-xylene	10.931	106	89234	12.56	ug/L		98
61) o-xylene	11.431	106	19555	2.90	ug/L		95
62) styrene	11.431	104	1811	0.16	ug/L	#	1
63) bromoform	0.000		0	N.D.			
66) isopropylbenzene	0.000		0	N.D.			
67) bromobenzene	0.000		0	N.D.			
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69) 1,2,3-trichloropropane	0.000		0	N.D.			
70) 1,4-dichloro-2-butene	0.000		0	N.D.			
71) n-propylbenzene	0.000		0	N.D.			
72) 2-chlorotoluene	0.000		0	N.D.			
73) 1,3,5-trimethylbenzene	0.000		0	N.D.			
74) 4-chlorotoluene	0.000		0	N.D.			
75) tert-butylbenzene	0.000		0	N.D.			
76) 1,2,4-trimethylbenzene	13.130	105	2231	0.14	ug/L	#	32
77) sec-butylbenzene	13.130	105	2231	0.11	ug/L	#	57
78) 1,3-dichlorobenzene	0.000		0	N.D.			
79) 4-isopropyltoluene	0.000		0	N.D.			
80) 1,4-dichlorobenzene	0.000		0	N.D.			
81) 1,2-dichlorobenzene	0.000		0	N.D.			
82) n-butylbenzene	0.000		0	N.D.			
83) hexachloroethane	0.000		0	N.D.			
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85) 1,2,4-trichlorobenzene	0.000		0	N.D.			
86) hexachlorobutadiene	0.000		0	N.D.			
87) naphthalene	0.000		0	N.D.			
88) 1,2,3-trichlorobenzene	0.000		0	N.D.			
89) 2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-08.D
Acq On : 30 Sep 2014 22:28
Operator : DLV
Sample : 1409422-08
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 01 07:18:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-08.D\data.ms

(13) acetone

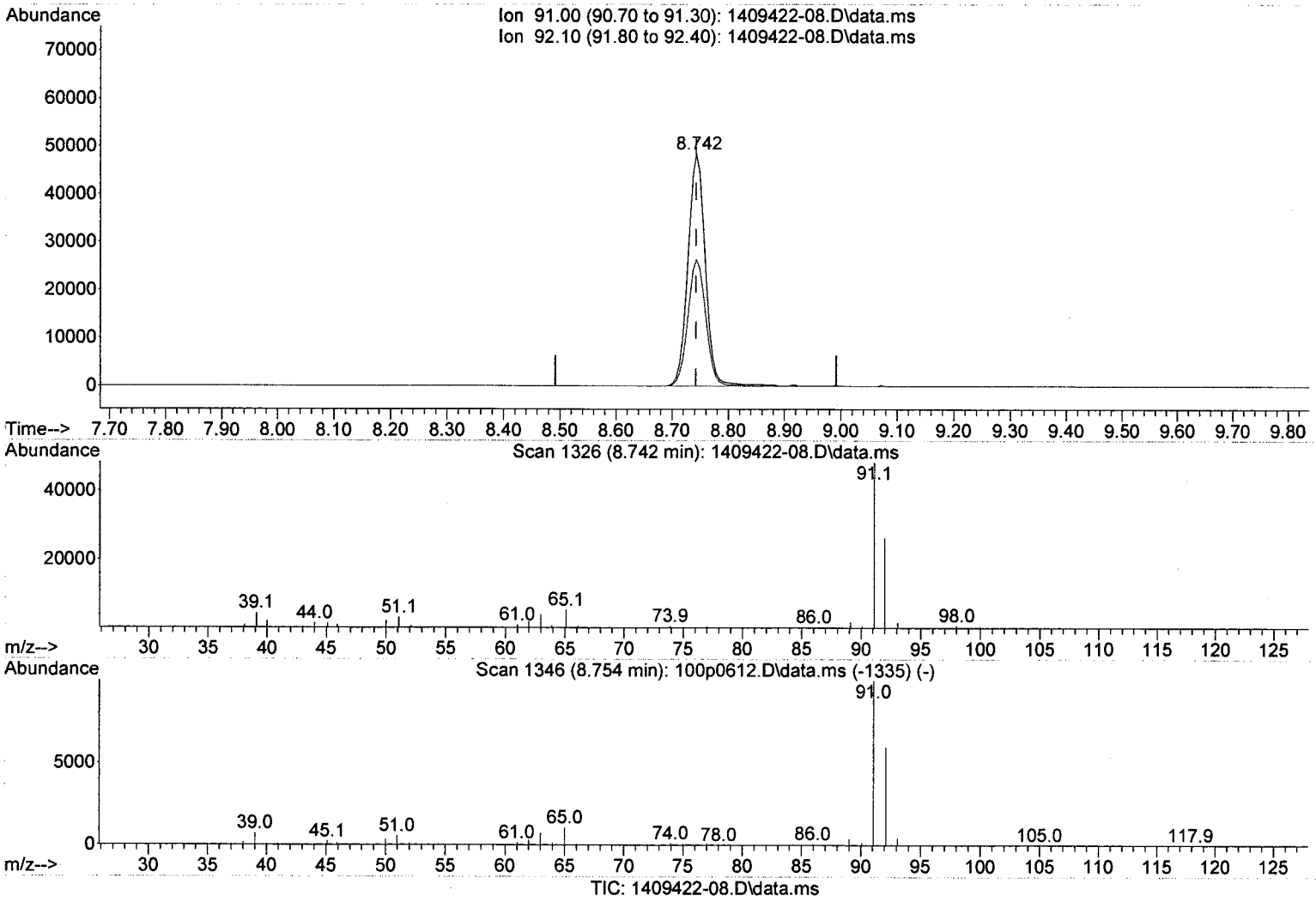
2.231min (+ 0.000) 15.77 ug/L

response 40717

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	35.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-08.D
Acq On : 30 Sep 2014 22:28
Operator : DLV
Sample : 1409422-08
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 01 07:18:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-08.D\data.ms

(47) toluene (C)

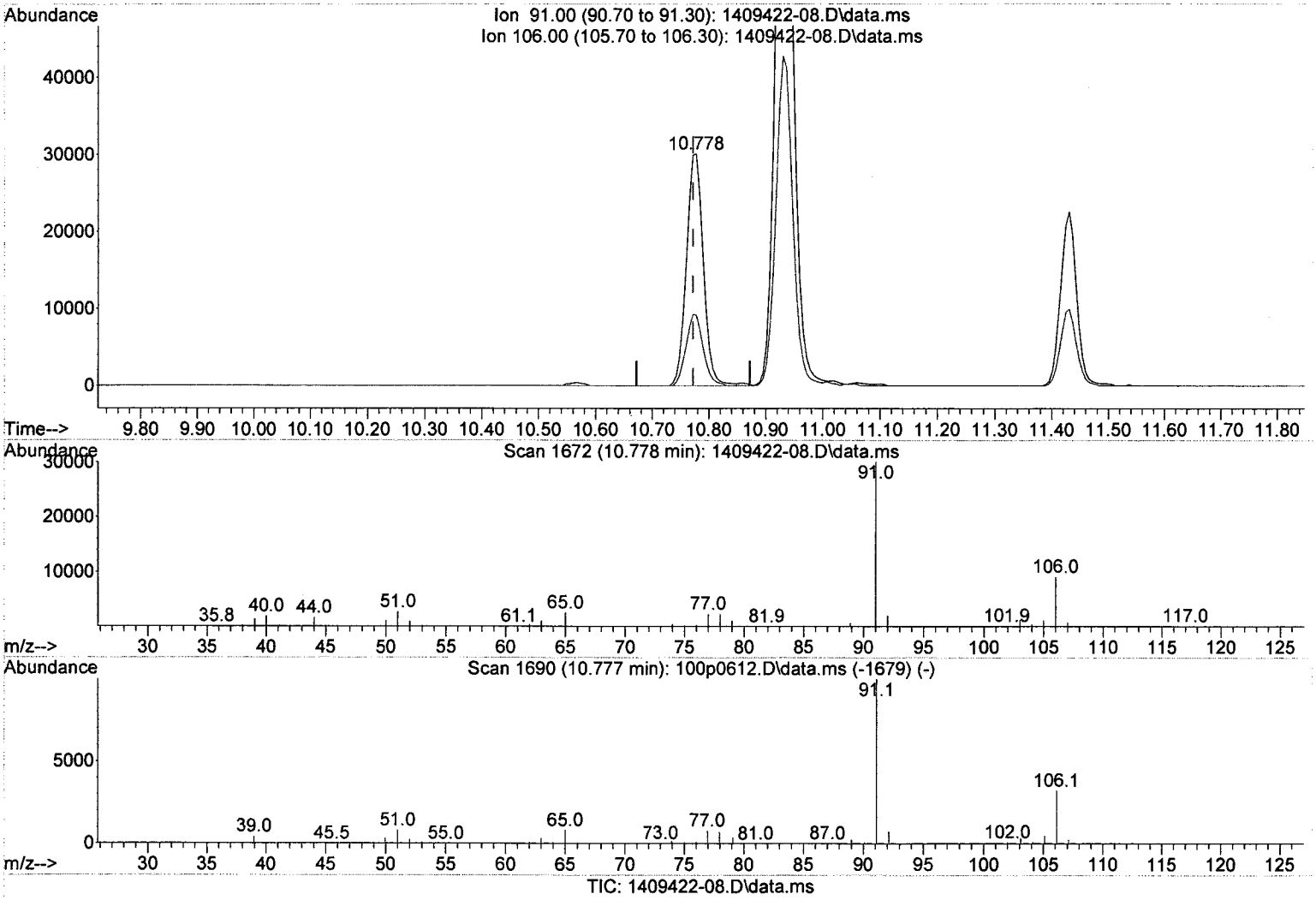
8.742min (+ 0.000) 6.00 ug/L

response 102140

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	56.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-08.D
Acq On : 30 Sep 2014 22:28
Operator : DLV
Sample : 1409422-08
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 01 07:18:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-08.D\data.ms

(59) ethylbenzene (C)

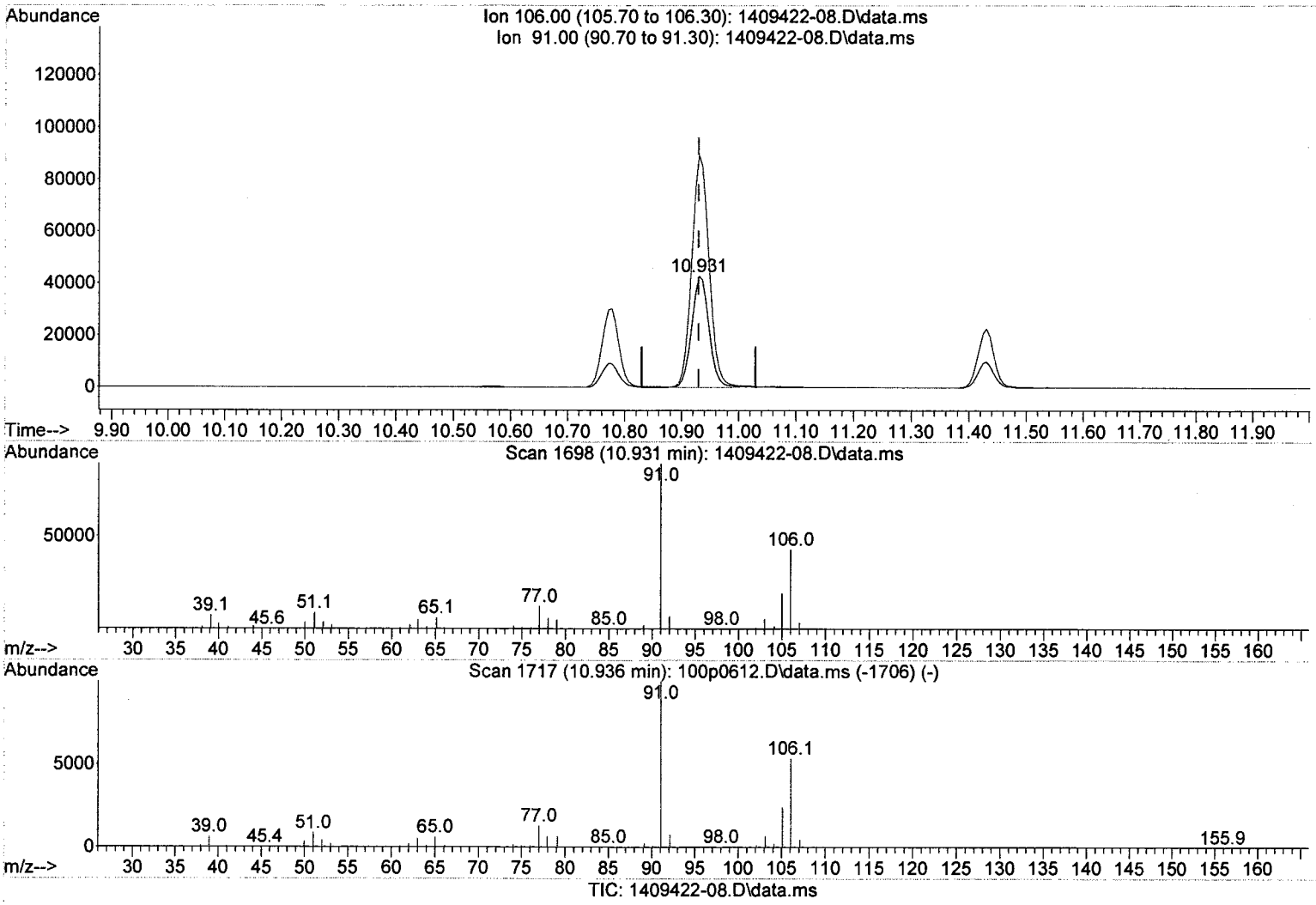
10.778min (+ 0.006) 3.28 ug/L

response 62177

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	31.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-08.D
Acq On : 30 Sep 2014 22:28
Operator : DLV
Sample : 1409422-08
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 01 07:18:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-08.D\data.ms

(60) m+p-xylene

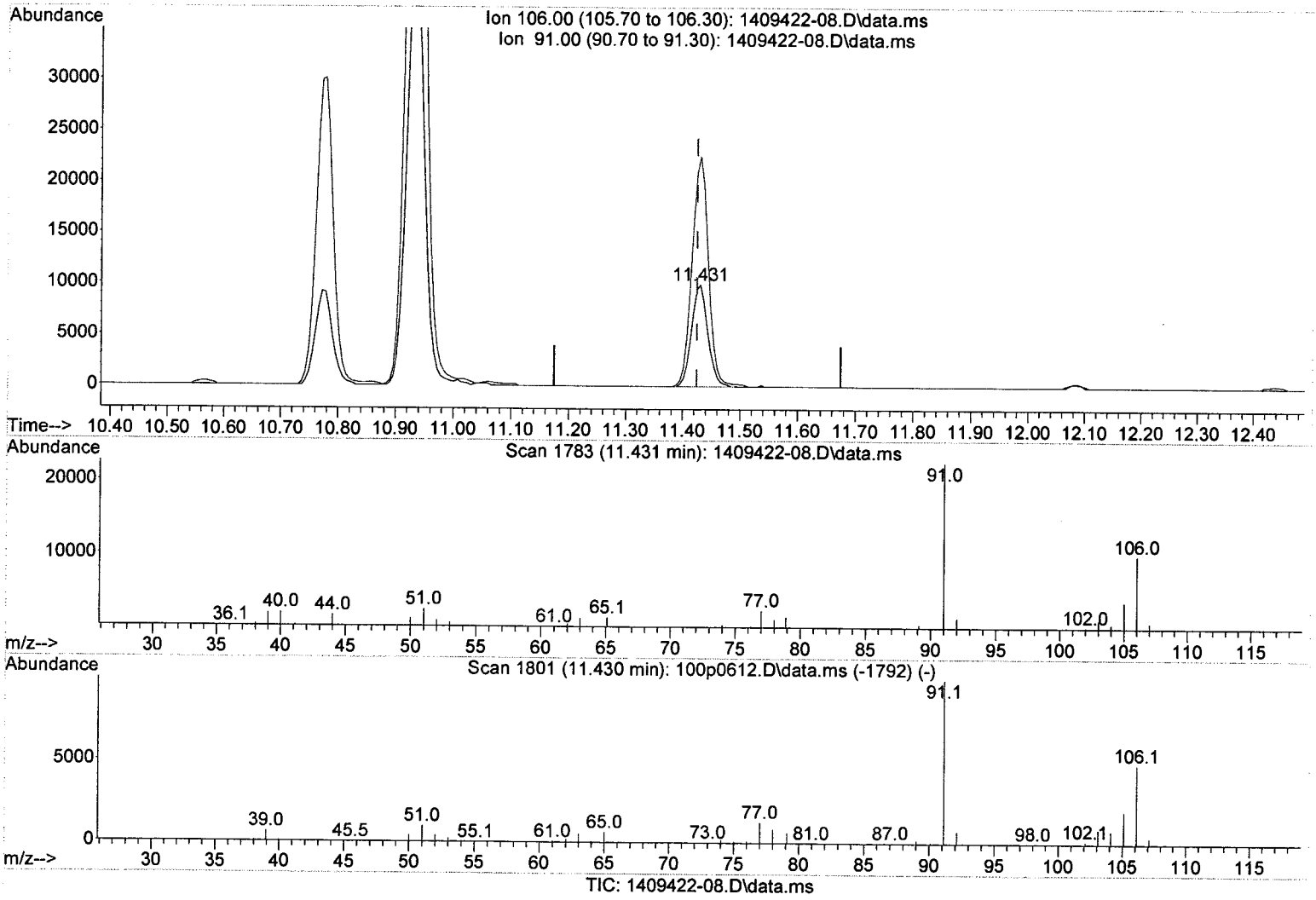
10.931min (+ 0.001) 12.56 ug/L

response 89234

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	209.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-08.D
Acq On : 30 Sep 2014 22:28
Operator : DLV
Sample : 1409422-08
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 01 07:18:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(61) o-xylene

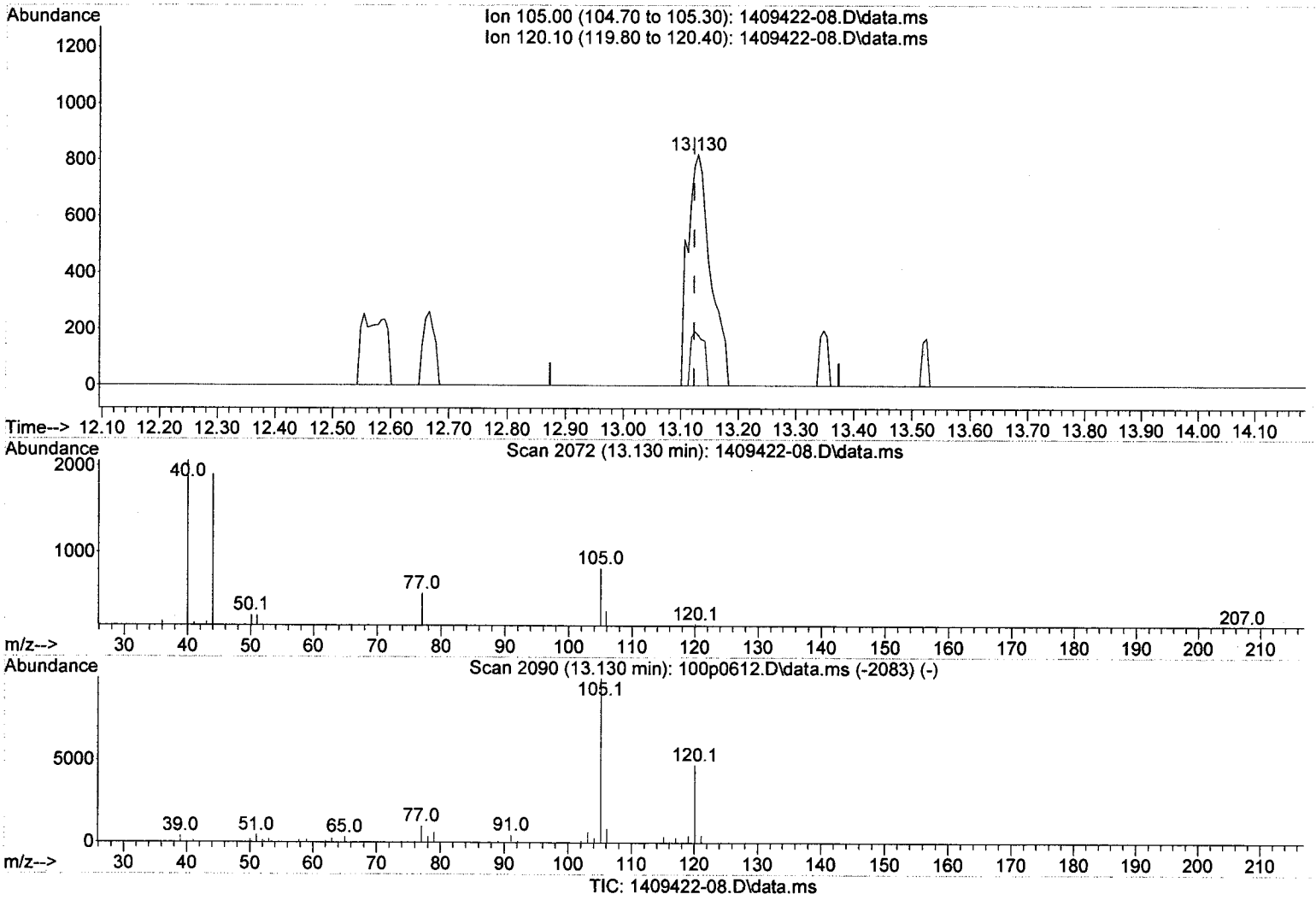
11.431min (+ 0.006) 2.90 ug/L

response 19555

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	227.70
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-08.D
Acq On : 30 Sep 2014 22:28
Operator : DLV
Sample : 1409422-08
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 01 07:18:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.14 ug/L

response 2231

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB19-16

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-09 File ID: 1409422-09.D

Sampled: 09/23/14 14:35 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 22:51

Solids: 95.20 Preparation: 5035A Low Concentratio Initial/Final: 5.2 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	81	4.4	5.3	5.3	
71-43-2	Benzene	1	0.62	0.17	0.53	1.1	J
108-86-1	Bromobenzene	1	0.53	0.14	0.53	1.1	U
74-97-5	Bromochloromethane	1	0.53	0.15	0.53	1.1	U
75-27-4	Bromodichloromethane	1	0.53	0.18	0.53	1.1	U
75-25-2	Bromoform	1	0.53	0.37	0.53	1.1	U
74-83-9	Bromomethane	1	0.53	0.34	0.53	1.1	U
104-51-8	n-Butylbenzene	1	0.53	0.27	0.53	1.1	U
135-98-8	sec-Butylbenzene	1	0.53	0.22	0.53	1.1	U
98-06-6	tert-Butylbenzene	1	0.53	0.18	0.53	1.1	U
75-15-0	Carbon Disulfide	1	10	0.24	0.53	1.1	
56-23-5	Carbon Tetrachloride	1	0.53	0.34	0.53	1.1	U
108-90-7	Chlorobenzene	1	0.20	0.16	0.53	1.1	J
75-00-3	Chloroethane	1	1.1	0.53	1.1	1.1	U
67-66-3	Chloroform	1	0.53	0.15	0.53	1.1	U
74-87-3	Chloromethane	1	0.53	0.27	0.53	1.1	U
95-49-8	2-Chlorotoluene	1	0.53	0.31	0.53	1.1	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.62	1.1	5.3	U
124-48-1	Dibromochloromethane	1	0.53	0.19	0.53	1.1	U
106-93-4	1,2-Dibromoethane	1	0.53	0.16	0.53	1.1	U
74-95-3	Dibromomethane	1	0.53	0.24	0.53	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.098	0.21	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.53	0.15	0.53	1.1	U
75-34-3	1,1-Dichloroethane	1	0.53	0.22	0.53	1.1	U
107-06-2	1,2-Dichloroethane	1	0.53	0.24	0.53	1.1	U
75-35-4	1,1-Dichloroethene	1	0.53	0.32	0.53	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.53	0.24	0.53	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.53	0.28	0.53	1.1	U
78-87-5	1,2-Dichloropropane	1	0.53	0.18	0.53	1.1	U
142-28-9	1,3-Dichloropropane	1	0.53	0.15	0.53	1.1	U
594-20-7	2,2-Dichloropropane	1	0.53	0.24	0.53	1.1	U
563-58-6	1,1-Dichloropropene	1	0.53	0.29	0.53	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.53	0.13	0.53	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB19-16

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-09 File ID: 1409422-09.D

Sampled: 09/23/14 14:35 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 22:51

Solids: 95.20 Preparation: 5035A Low Concentratio Initial/Final: 5.2 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	6.7	0.20	0.53	1.1	
87-68-3	Hexachlorobutadiene	1	0.53	0.22	0.53	1.1	U
591-78-6	2-Hexanone	1	0.53	0.50	0.53	5.3	U
98-82-8	Isopropylbenzene	1	0.15	0.12	0.21	1.1	J
99-87-6	4-Isopropyltoluene	1	0.53	0.25	0.53	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.49	1.1	5.3	U
78-93-3	2-Butanone (MEK)	1	15	1.2	5.3	5.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.53	0.41	0.53	5.3	U
91-20-3	Naphthalene	1	4.1	0.17	0.53	5.3	J
103-65-1	n-Propylbenzene	1	0.53	0.12	0.53	1.1	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.53	0.16	0.53	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.53	0.15	0.53	1.1	U
127-18-4	Tetrachloroethene	1	0.53	0.18	0.53	1.1	U
108-88-3	Toluene	1	12	0.10	0.21	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.53	0.30	0.53	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.53	0.18	0.53	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.53	0.15	0.53	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.53	0.22	0.53	1.1	U
79-01-6	Trichloroethene	1	0.53	0.25	0.53	1.1	U
75-69-4	Trichlorofluoromethane	1	0.53	0.18	0.53	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.53	0.24	0.53	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.57	0.12	0.53	1.1	J
108-67-8	1,3,5-Trimethylbenzene	1	0.53	0.20	0.53	1.1	U
75-01-4	Vinyl Chloride	1	0.53	0.21	0.53	1.1	U
179601-23-1	Xylene, Meta + Para	1	28	0.15	0.42	2.1	
95-47-6	Xylene, Ortho	1	6.3	0.12	0.21	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.8	107	78 - 119	
1,2-Dichloroethane-d4	40.0	45.0	113	71 - 136	
Toluene-d8	40.0	39.7	99	85 - 116	
4-Bromofluorobenzene	40.0	38.4	96	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	418102	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB19-16

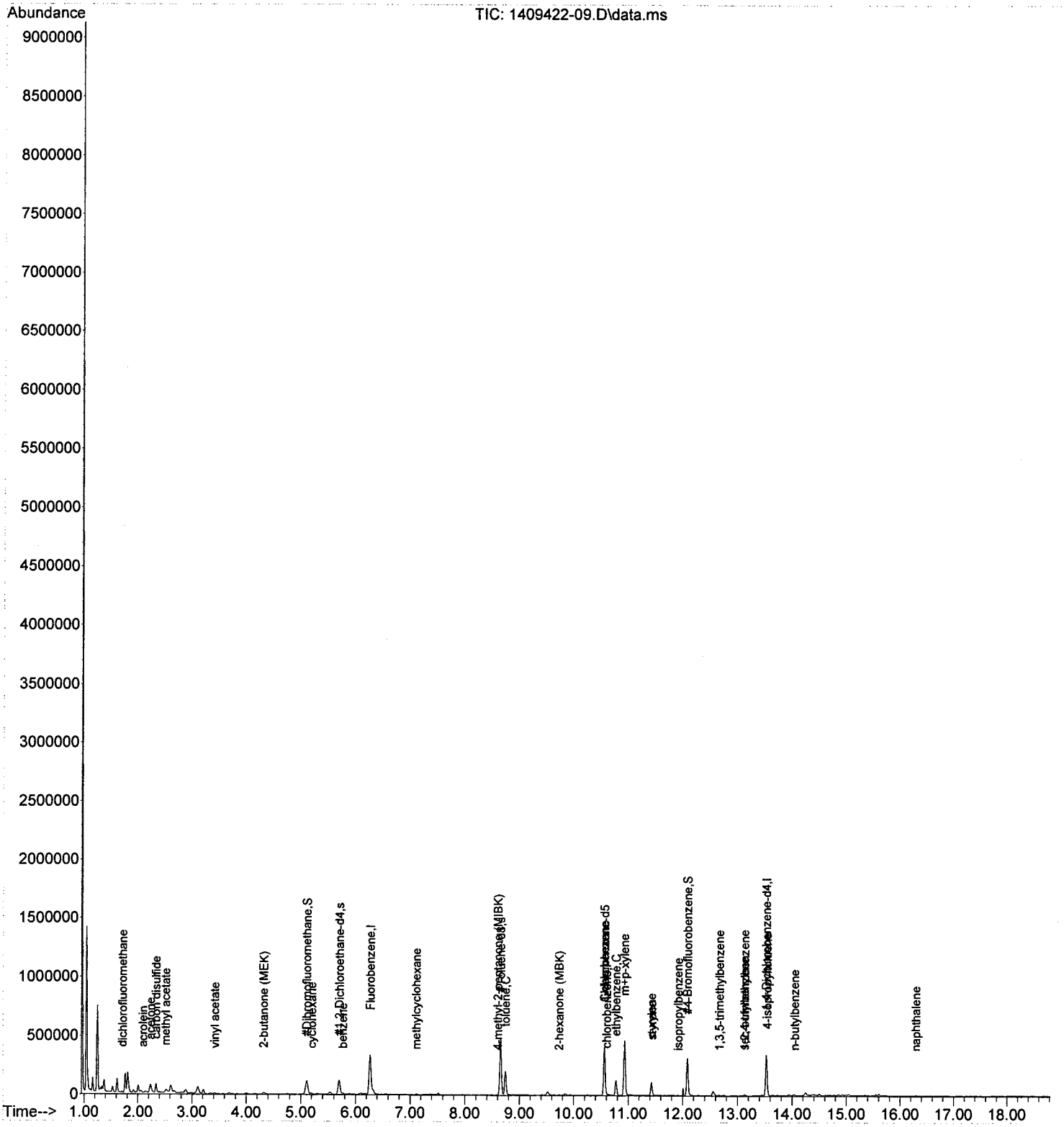
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-09
File ID: 1409422-09.D
Sampled: 09/23/14 14:35
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 22:51
Solids: 95.20
Preparation: 5035A Low Concentratio
Initial/Final: 5.2 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	281462	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	116499	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	418102	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	281462	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	116499	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	112399	42.75	ug/L		0.00
Spiked Amount 40.000			Recovery = 106.88%				
37) #1,2-Dichloroethane-d4	5.695	67	67558	45.05	ug/L		0.00
Spiked Amount 40.000			Recovery = 112.63%				
46) #Toluene-d8	8.654	98	402878	39.68	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.20%				
64) #4-Bromofluorobenzene	12.083	95	135423	38.38	ug/L		0.00
Spiked Amount 40.000			Recovery = 95.95%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	1.713	67	1822	0.26	ug/L	#	42
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	2.090	56	1828	3.08	ug/L	#	15
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	105381	80.63	ug/L		95
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	95451	9.92	ug/L		97
16) methyl acetate	2.513	43	6225	2.24	ug/L	#	60
17) methylene chloride	2.607	49	32271	Below Cal			96
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	3.419	43	1990	0.38	ug/L	#	74
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.319	43	30241	14.95	ug/L		95
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	5.201	56	3776	0.60	ug/L	#	18
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.760	78	8981	0.61	ug/L	#	65
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

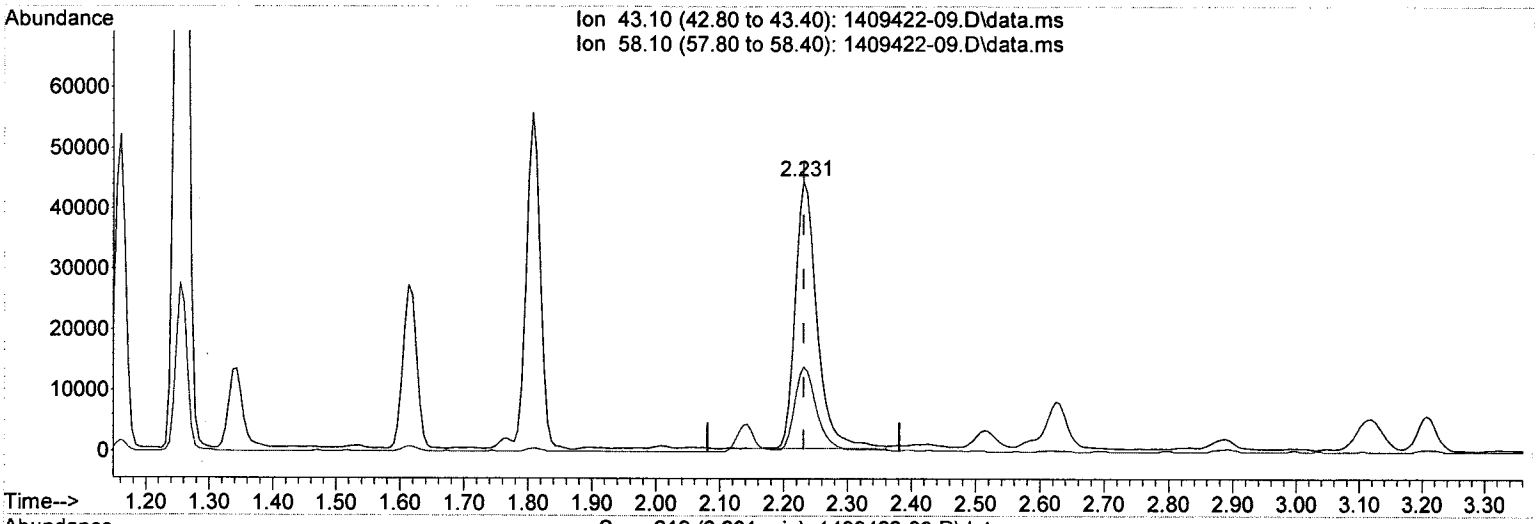
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.113	83	3430	0.52 ug/L	87
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	8.601	43	1834	~~0.57~~ ug/L #	48
47) toluene	8.742	91	179995	11.71 ug/L	99
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.730	43	1682	~~0.72~~ ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	10.601	112	1934	0.20 ug/L #	27
57) 1-chlorohexane	10.566	55	2200	0.60 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	108628	6.64 ug/L	99
60) m+p-xylene	10.930	106	168410	27.50 ug/L	97
61) o-xylene	11.430	106	36561	6.28 ug/L	98
62) styrene	11.436	104	2773	~~0.28~~ ug/L #	1
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	11.919	105	1882	0.15 ug/L #	49
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	12.672	105	1593	0.15 ug/L #	29
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.130	105	6125	0.56 ug/L	83
77) sec-butylbenzene	13.130	105	5956	~~0.42~~ ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	13.542	119	1528	0.13 ug/L #	51
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	14.048	91	2282	0.20 ug/L #	1
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	16.295	128	3411	4.10 ug/L #	78
88) 1,2,3-trichlorobenzene	0.000		0	~~N.D.~~	
89) 2-methylnaphthalene	0.000		0	N.D.	

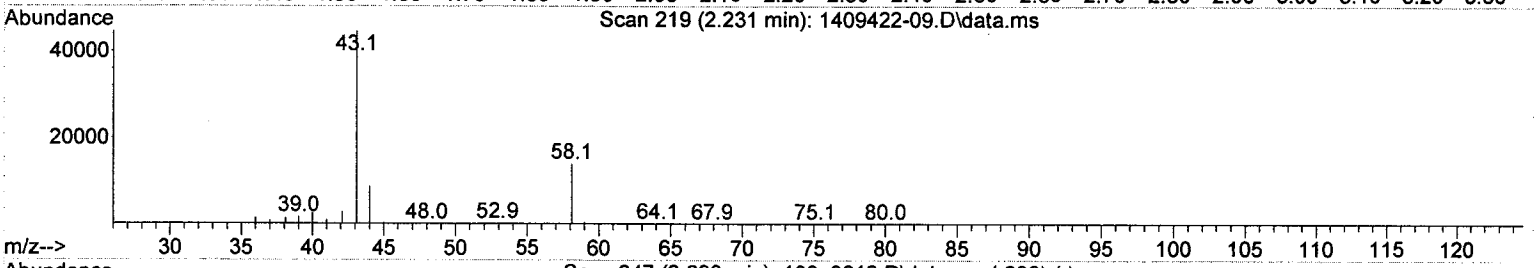
(#) = qualifier out of range (m) = manual integration (+) = signals summed

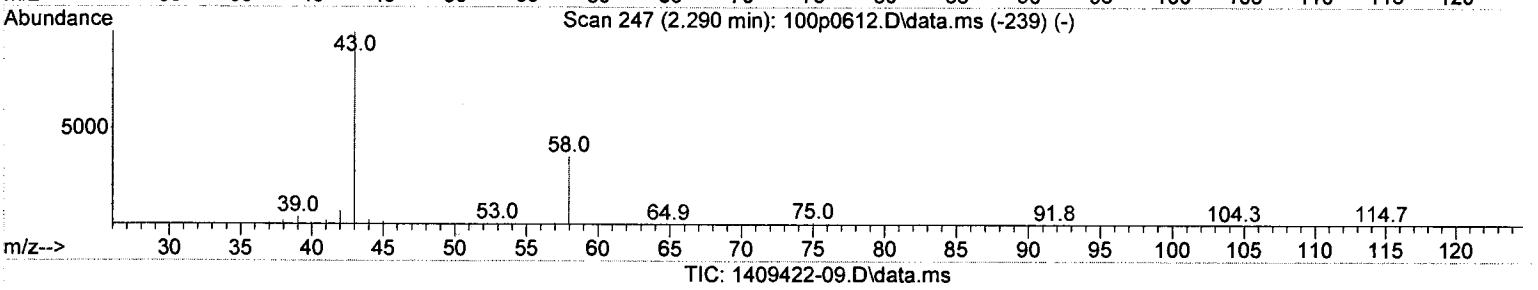
000545

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409422-09.D\data.ms

(13) acetone

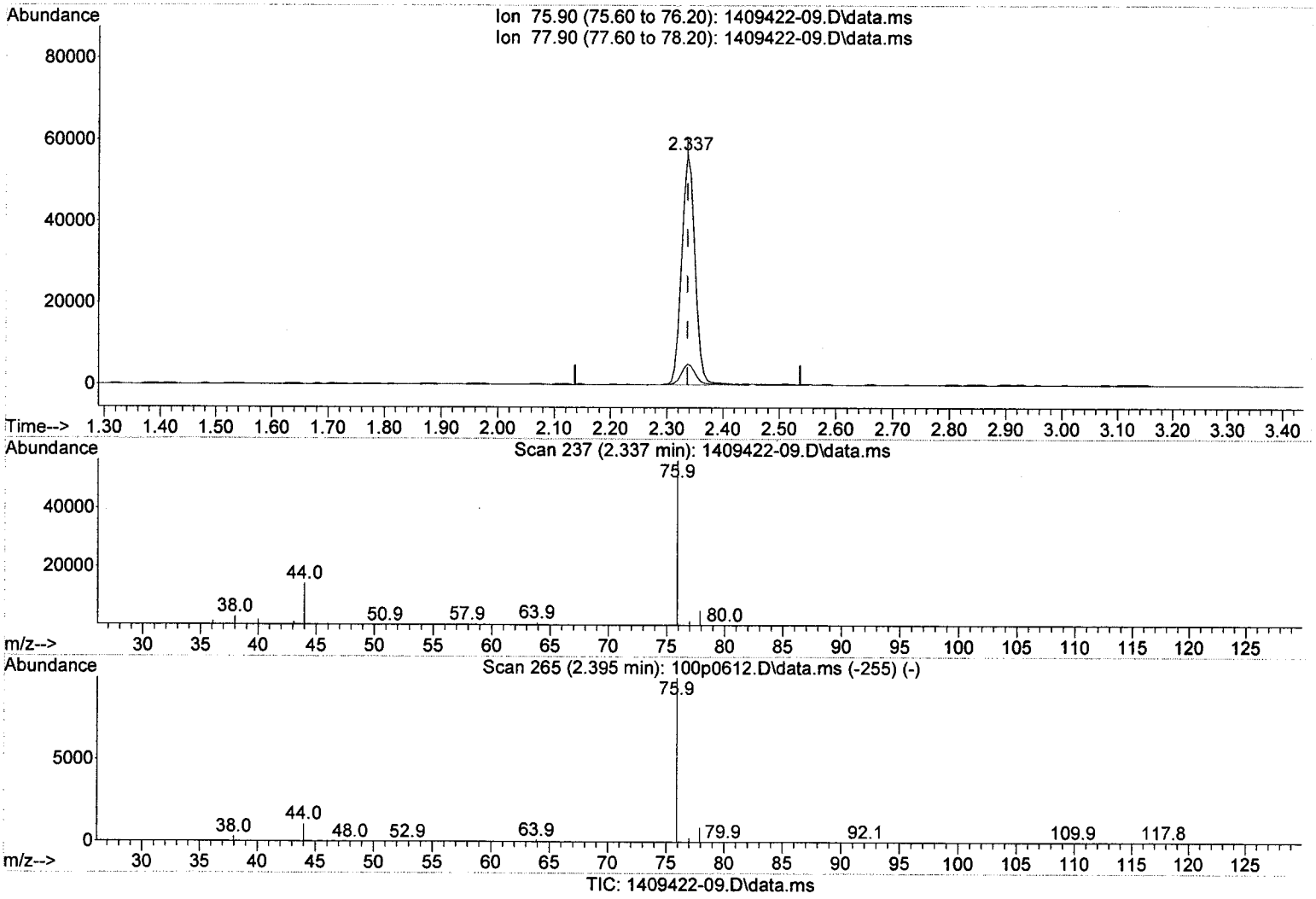
2.231min (-0.000) 80.63 ug/L

response 105381

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	31.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-09.D\data.ms

(15) carbon disulfide

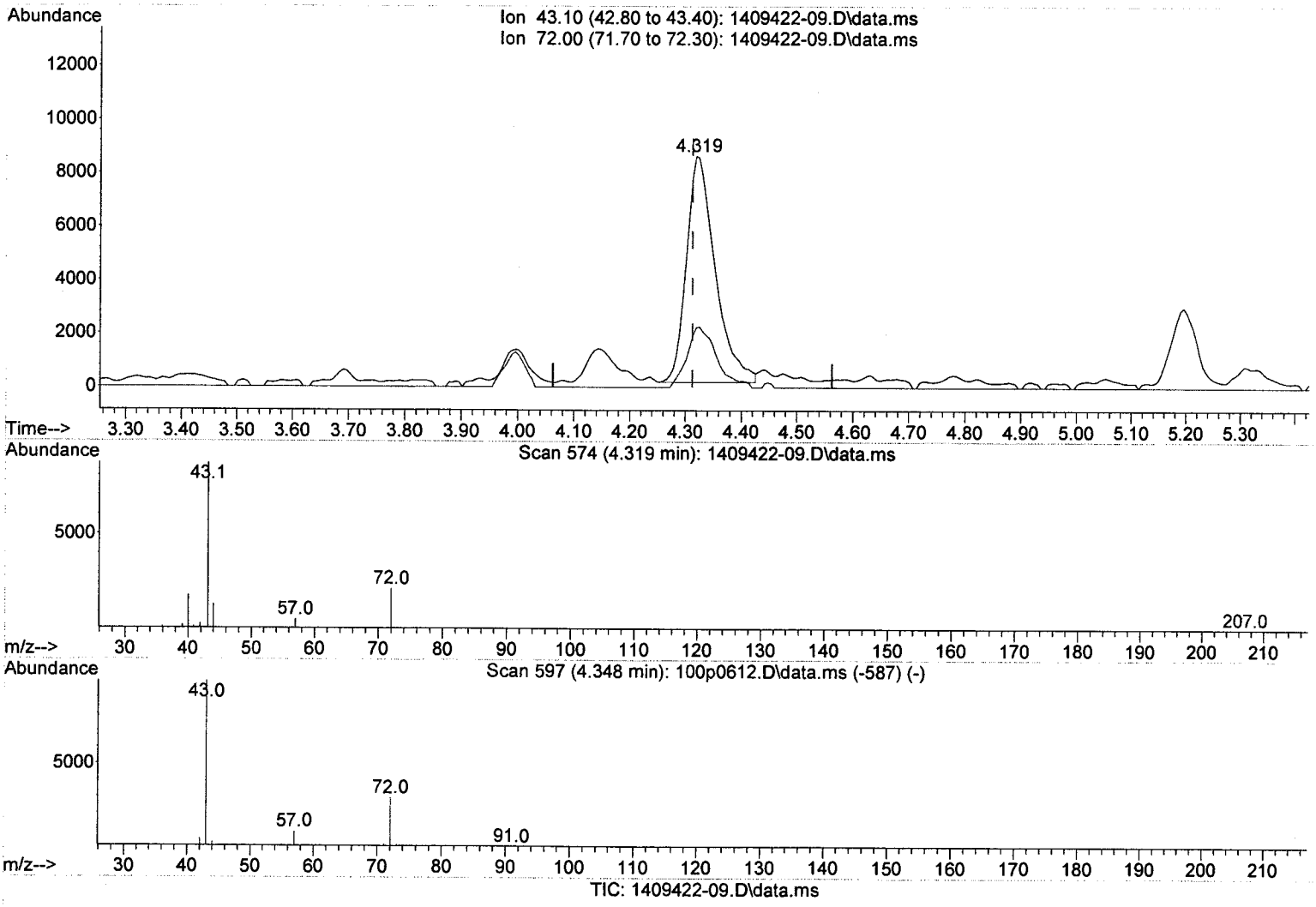
2.337min (-0.000) 9.92 ug/L

response 95451

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.50	10.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-09.D\data.ms

(25) 2-butanone (MEK)

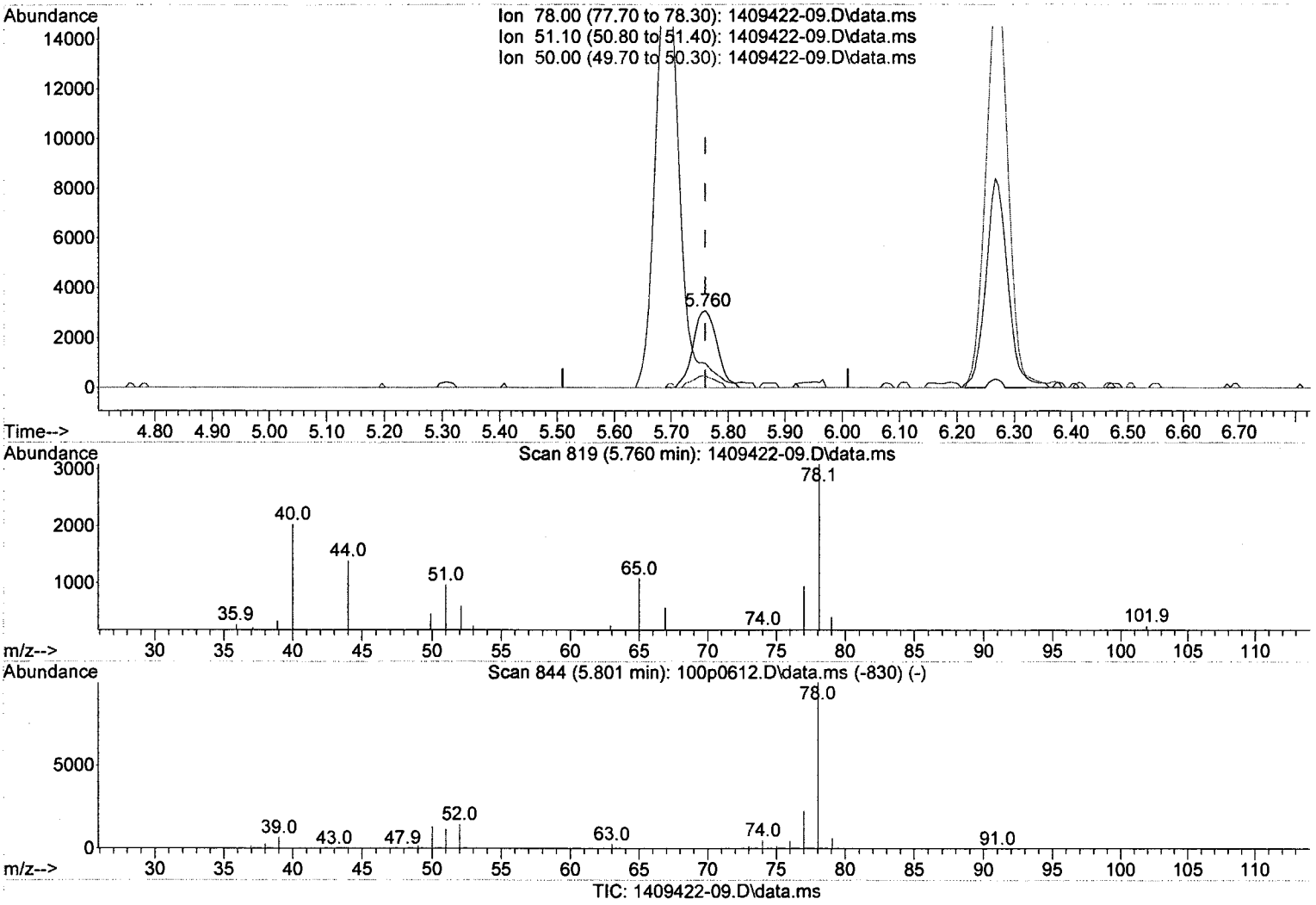
4.319min (+ 0.006) 14.95 ug/L

response 30241

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	27.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-09.D\data.ms

(34) benzene

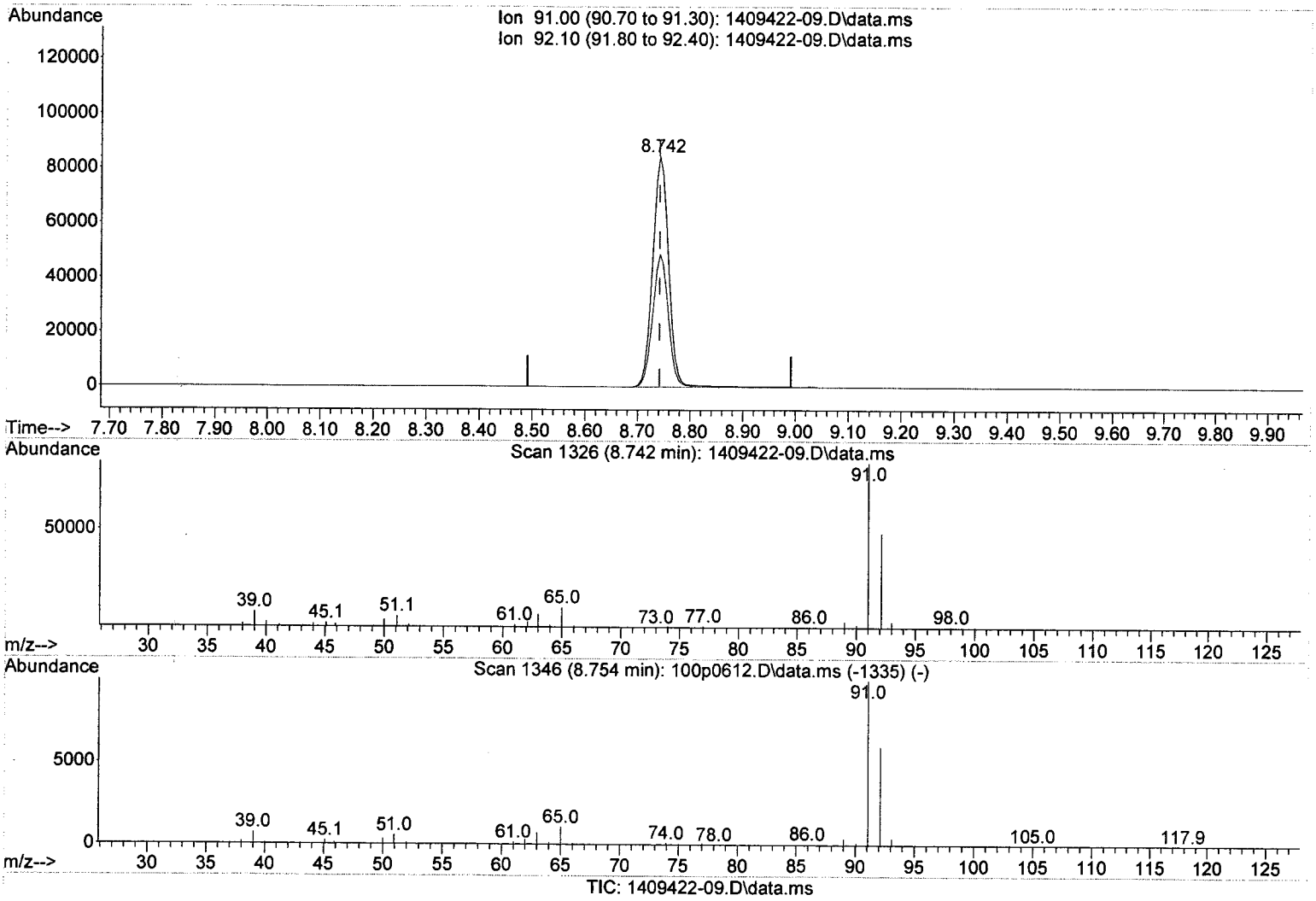
5.760min (+ 0.000) 0.61 ug/L

response 8981

Ion	Exp%	Act%
78.00	100.00	100.00
51.10	13.10	0.00
50.00	15.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-09.D\data.ms

(47) toluene (C)

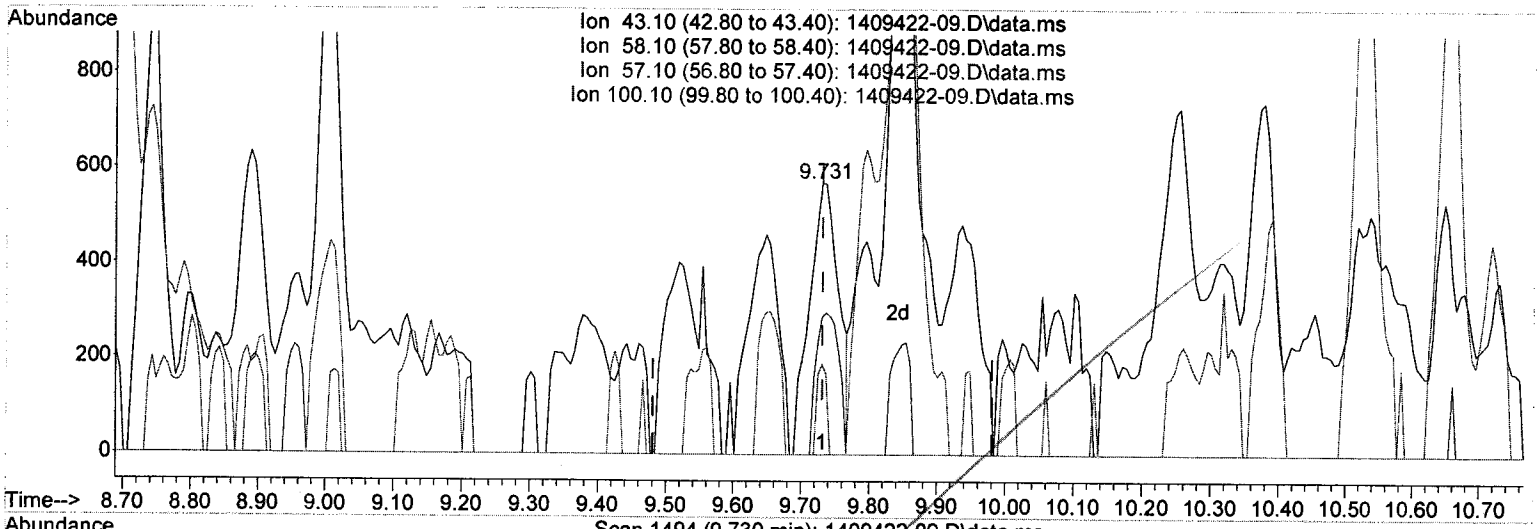
8.742min (+ 0.000) 11.71 ug/L

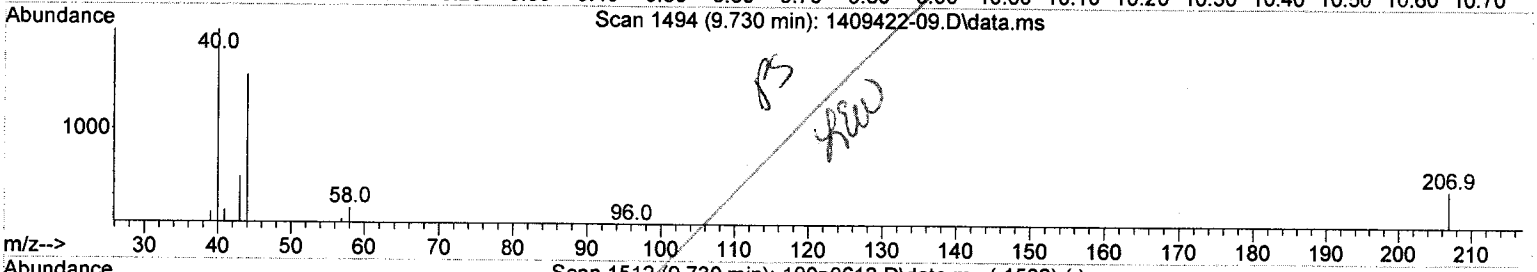
response 179995

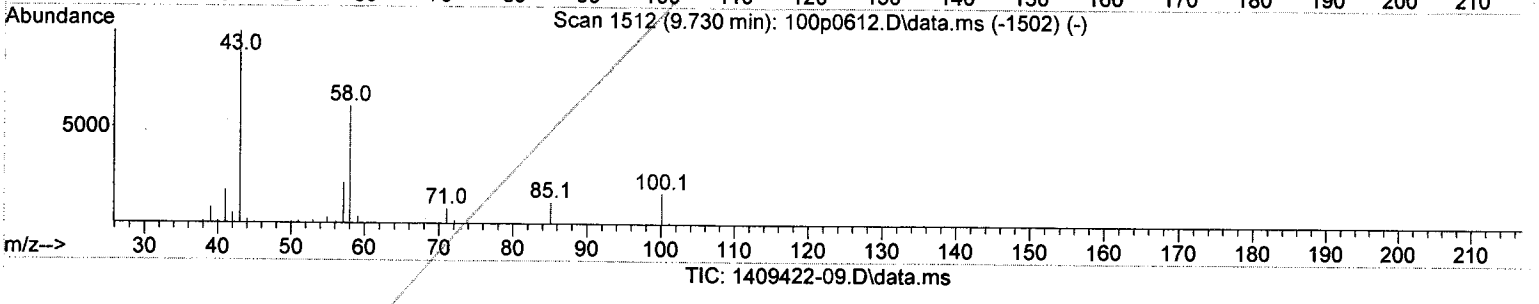
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	56.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409422-09.D\data.ms

(53) 2-hexanone (MBK)

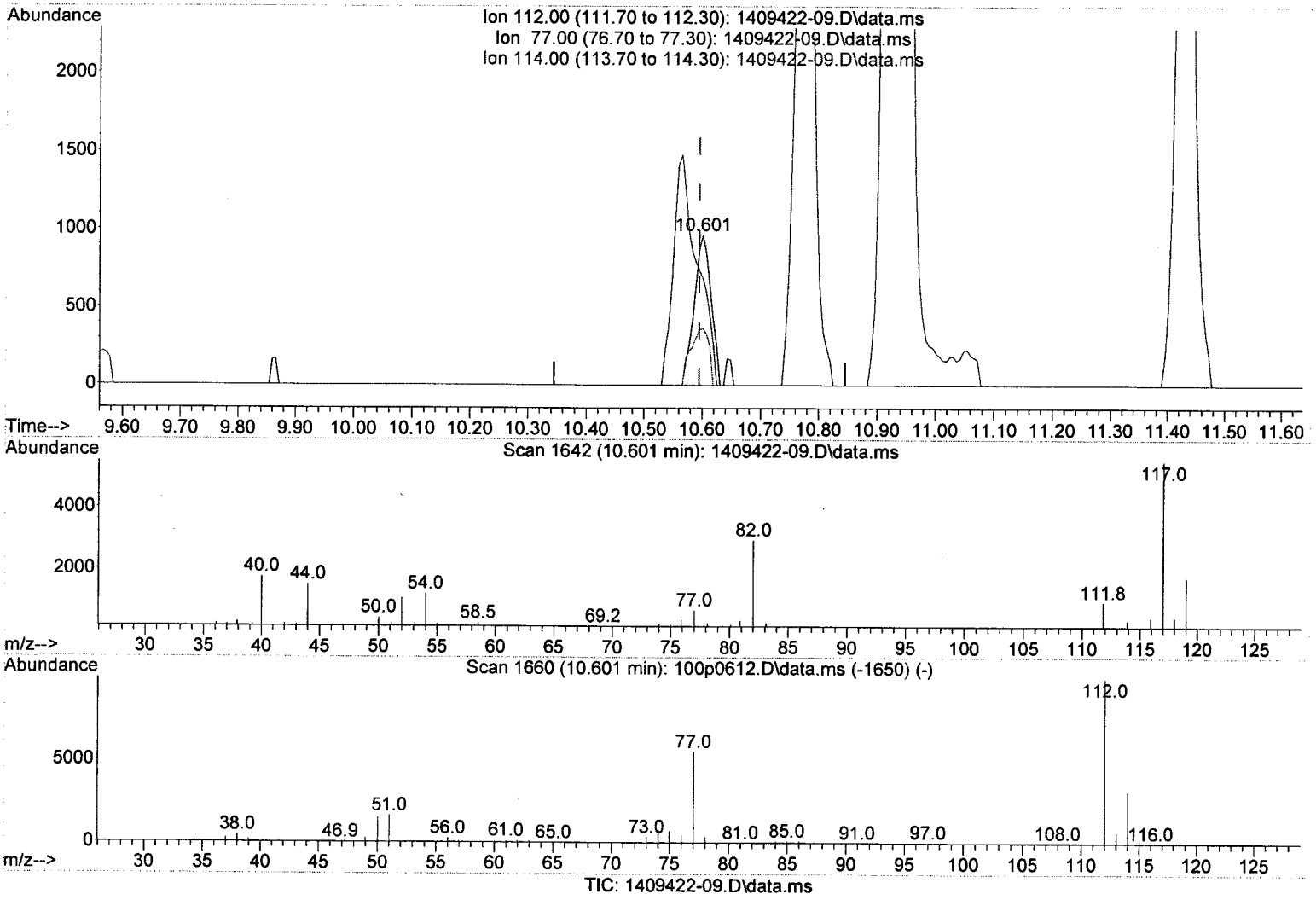
9.730min (-0.001) 0.72 ug/L

response 1682

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	53.20	0.00#
57.10	18.90	0.00
100.10	10.50	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-09.D\data.ms

(56) chlorobenzene (P)

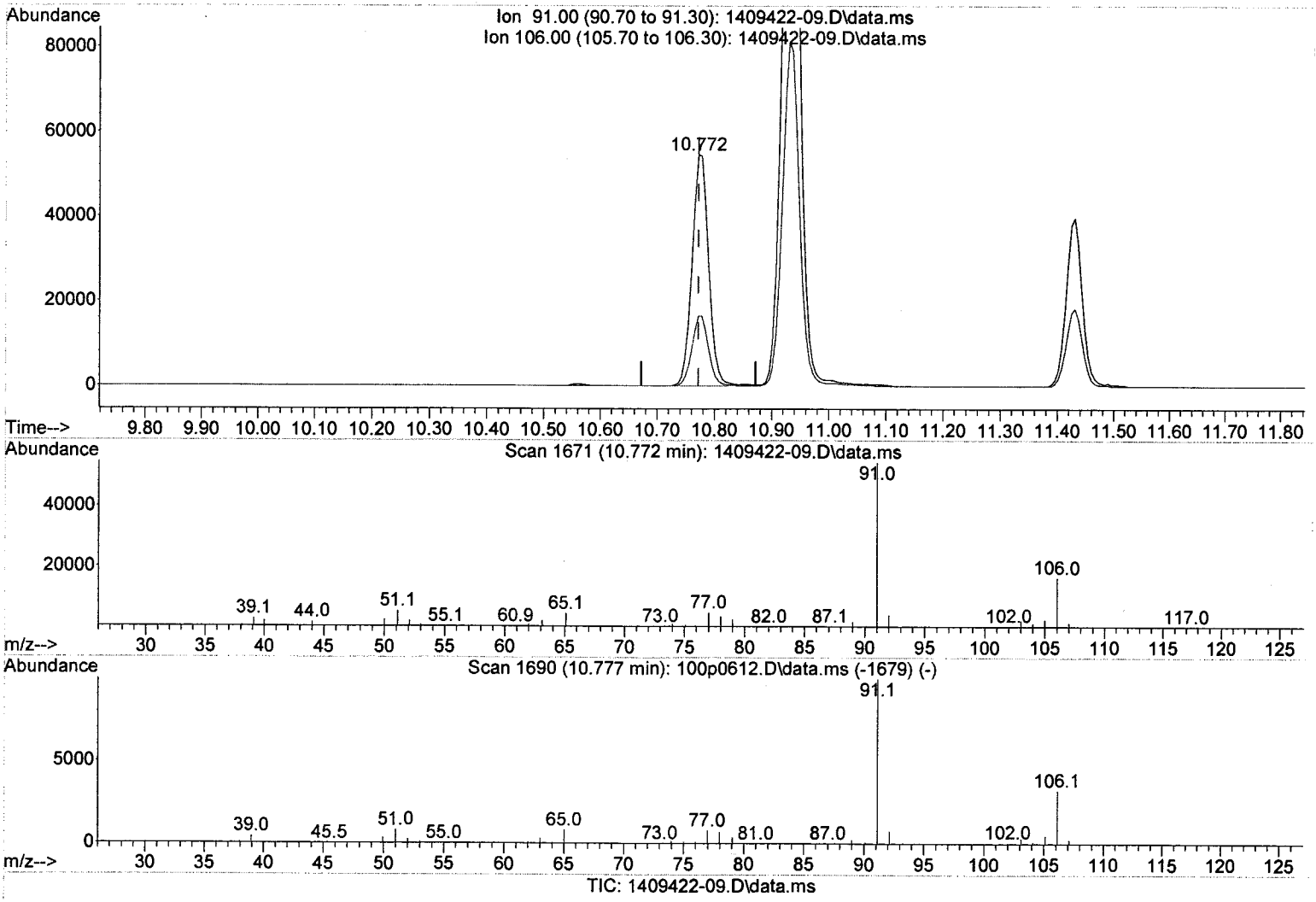
10.601min (+ 0.006) 0.20 ug/L

response 1934

Ion	Exp%	Act%
112.00	100.00	100.00
77.00	62.00	0.00#
114.00	31.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-09.D\data.ms

(59) ethylbenzene (C)

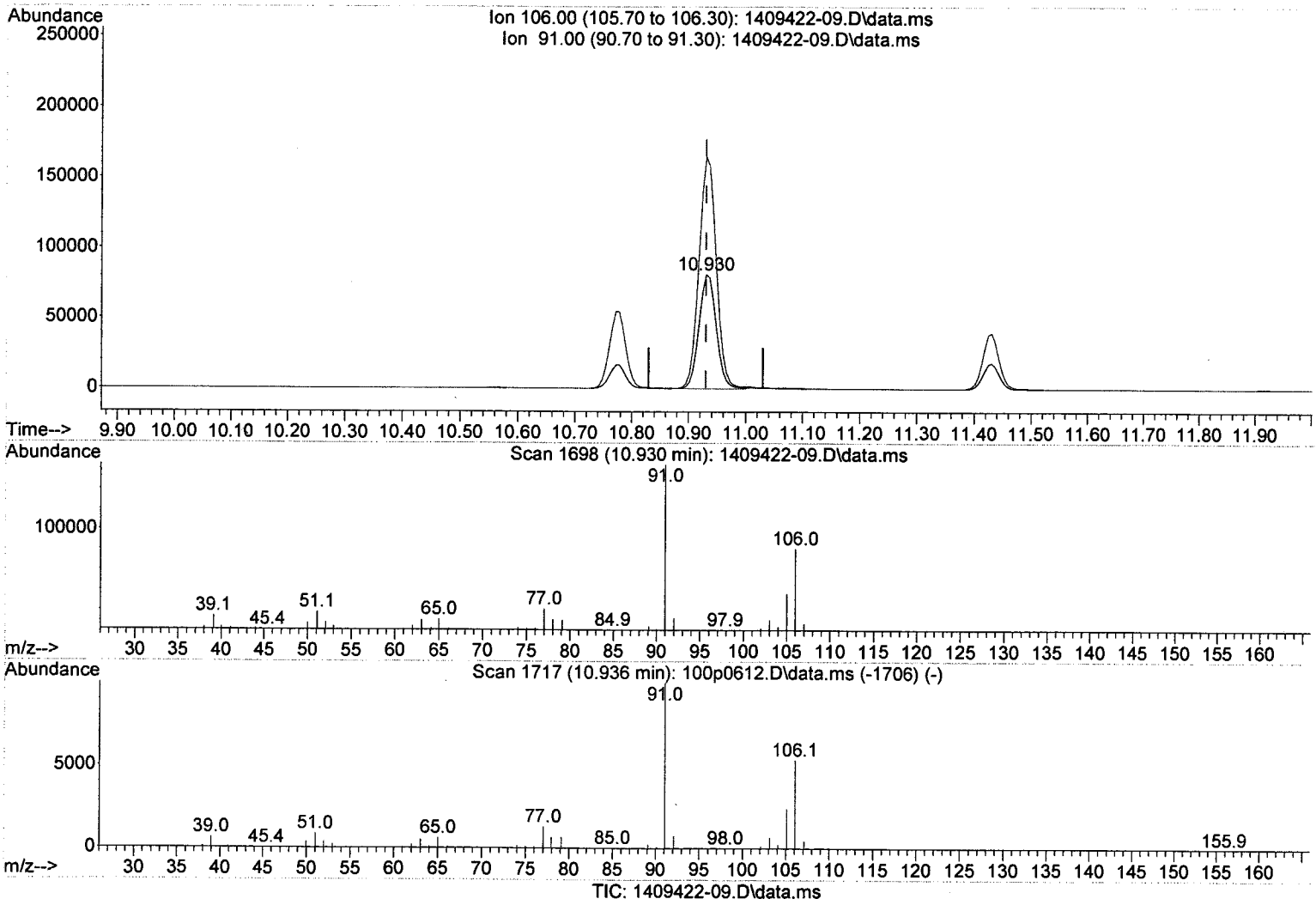
10.772min (-0.000) 6.64 ug/L

response 108628

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	30.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-09.D\data.ms

(60) m+p-xylene

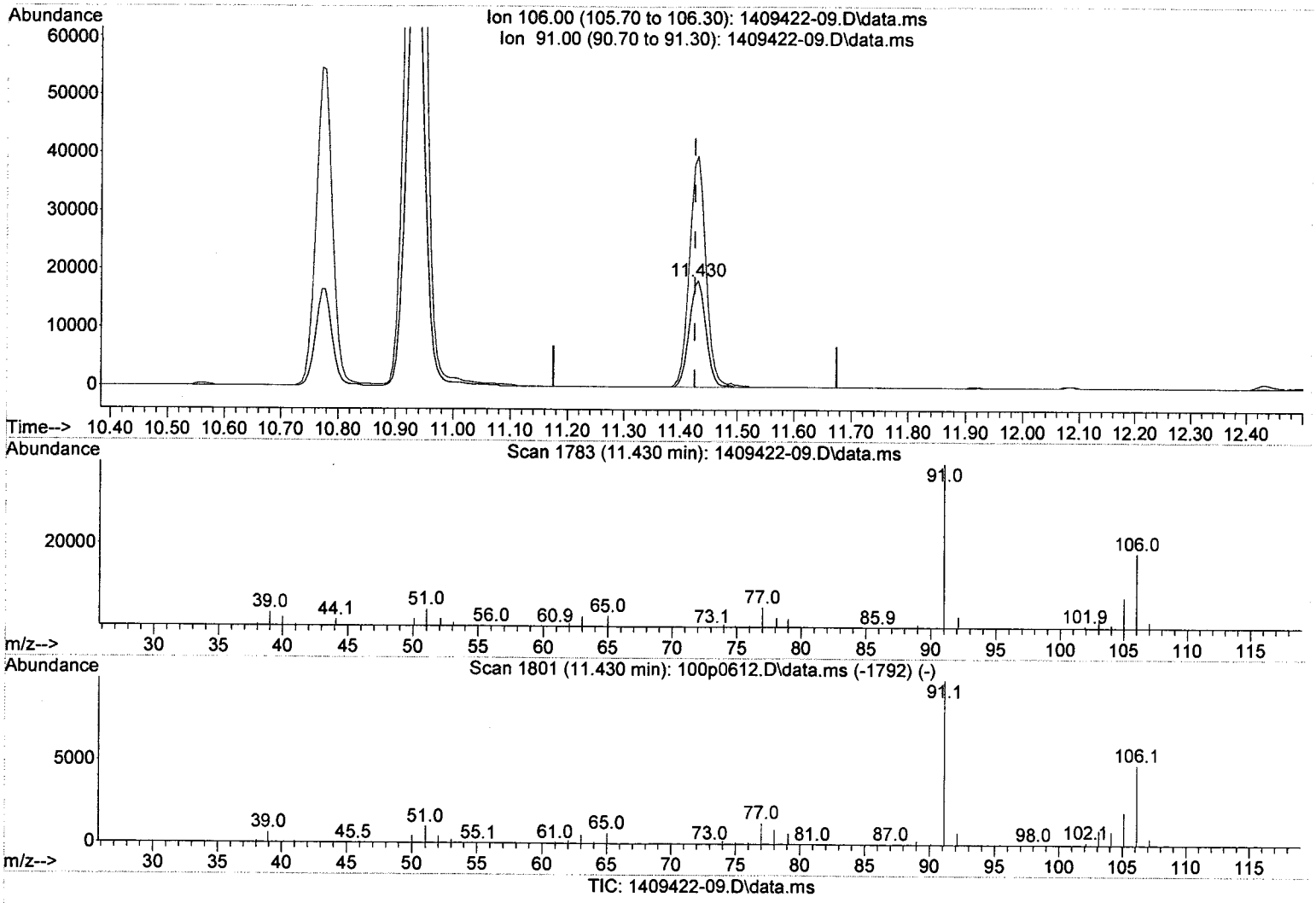
10.930min (+ 0.000) 27.50 ug/L

response 168410

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	202.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-09.D\data.ms

(61) o-xylene

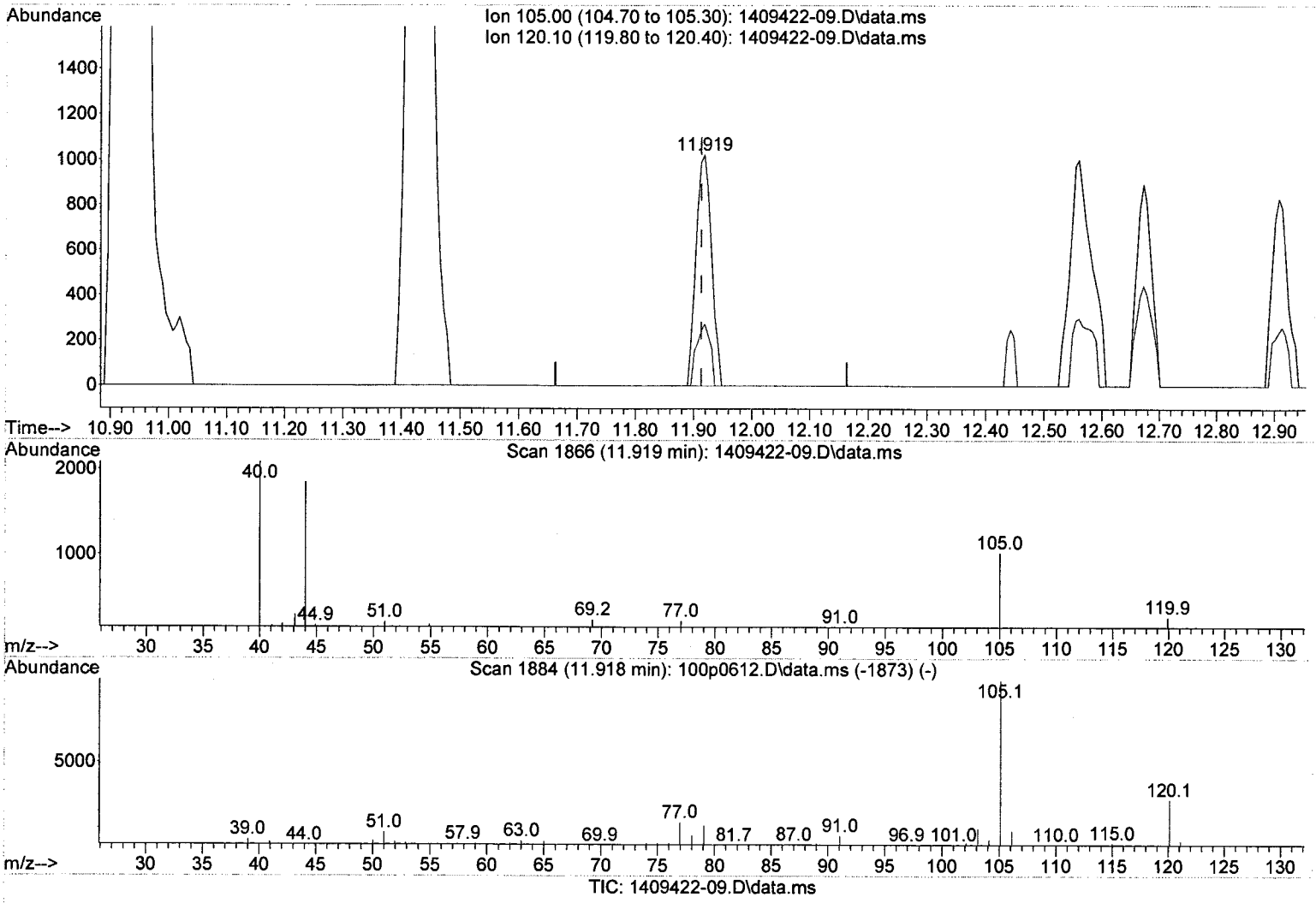
11.430min (+ 0.005) 6.28 ug/L

response 36561

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	216.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(66) isopropylbenzene

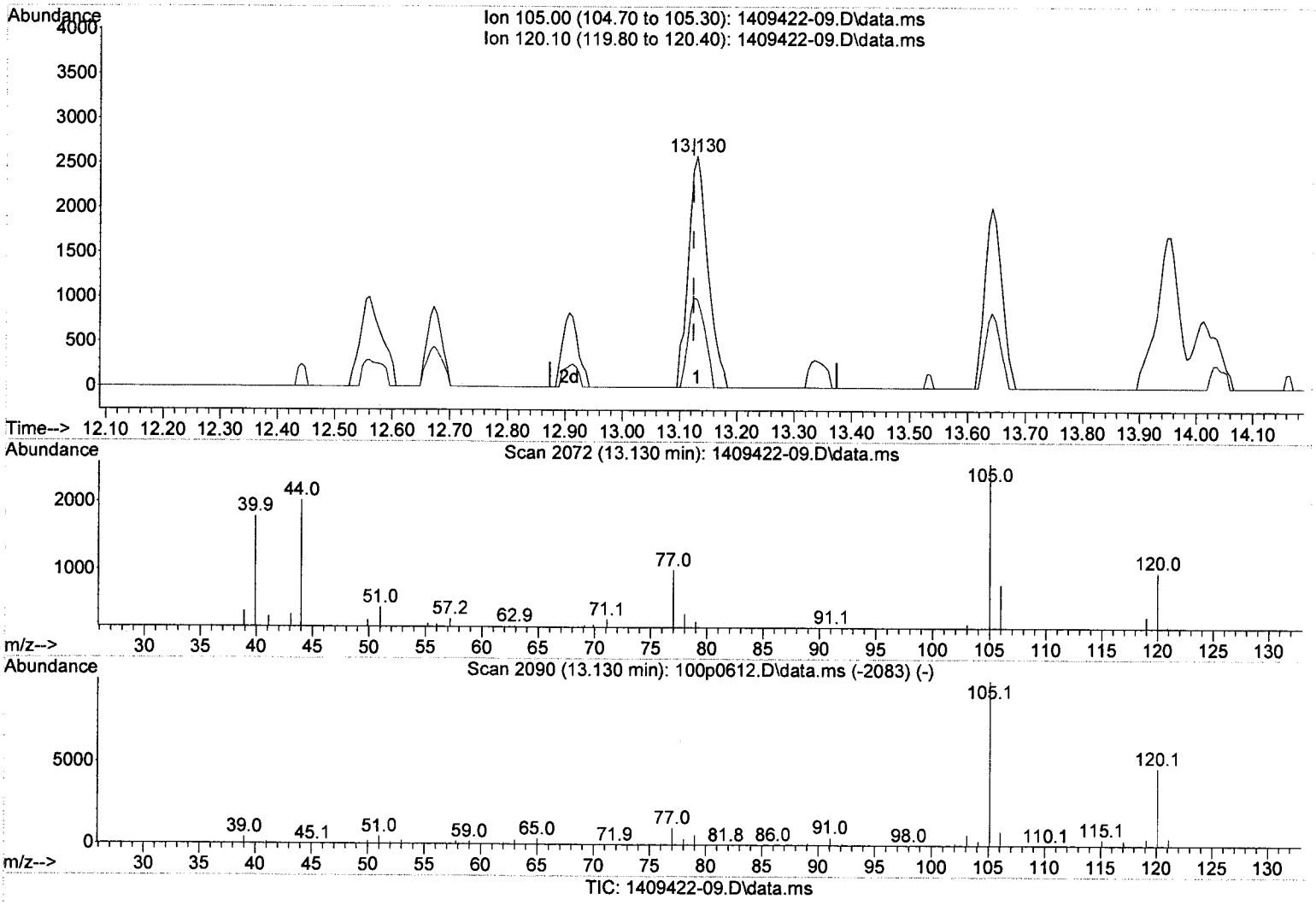
11.919min (+ 0.006) 0.15 ug/L

response 1882

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	26.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-09.D\data.ms

(76) 1,2,4-trimethylbenzene

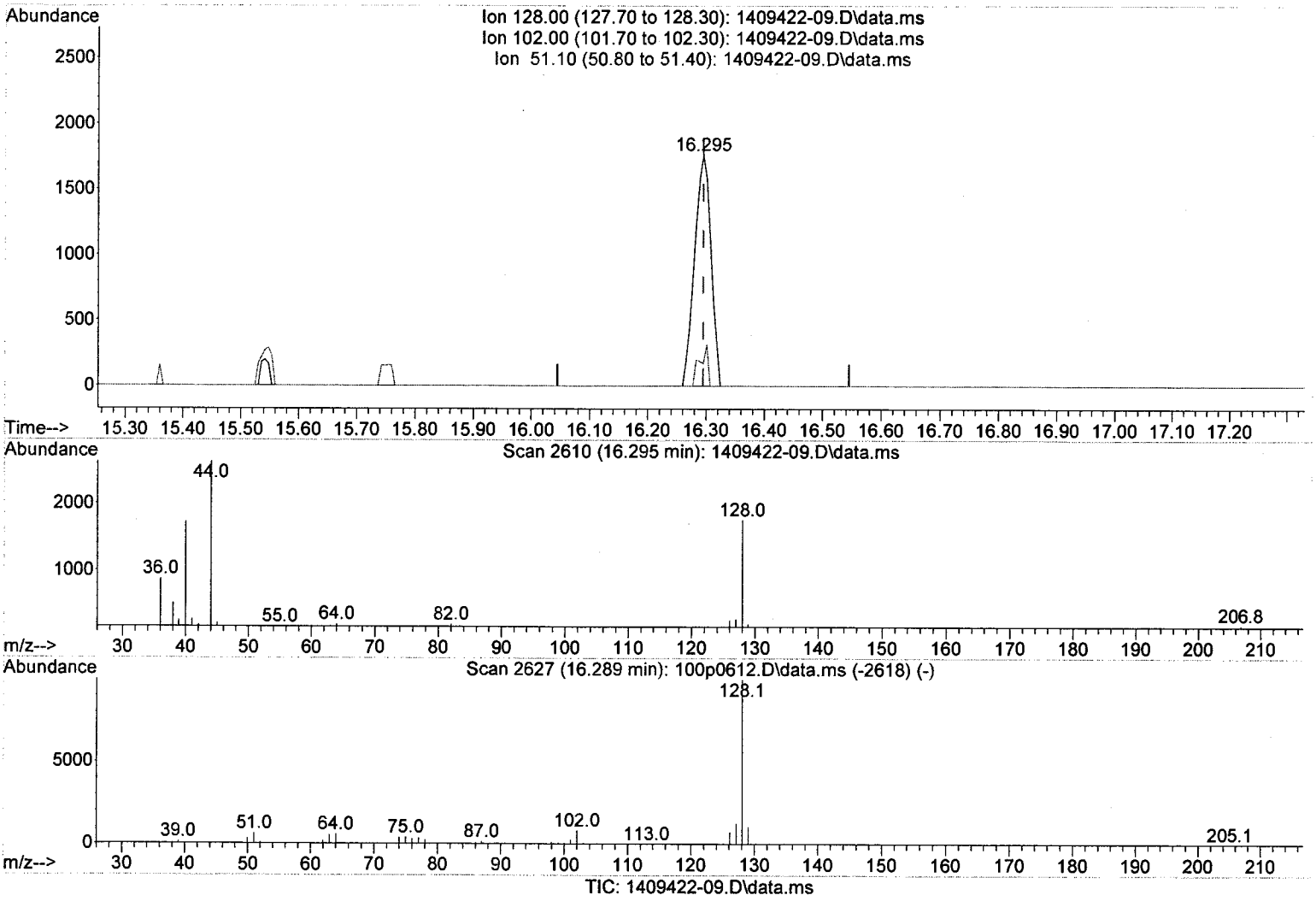
13.130min (+ 0.006) 0.56 ug/L

response 6125

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	33.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-09.D
Acq On : 30 Sep 2014 22:51
Operator : DLV
Sample : 1409422-09
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 01 07:19:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-09.D\data.ms

(87) naphthalene

16.295min (-0.000) 4.10 ug/L

response 3411

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	0.00
51.10	7.40	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB18-35

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-10 File ID: 1409422-10.D

Sampled: 09/23/14 14:05 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 23:15

Solids: 96.66 Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	14	4.3	5.2	5.2	
71-43-2	Benzene	1	0.52	0.17	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.52	0.24	0.52	1.0	U
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.16	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.26	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.097	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.23	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.23	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.13	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB18-35

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-10 File ID: 1409422-10.D

Sampled: 09/23/14 14:05 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 23:15

Solids: 96.66 Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	3.6	0.19	0.52	1.0	
87-68-3	Hexachlorobutadiene	1	0.52	0.21	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	1.8	1.1	5.2	5.2	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	0.52	0.18	0.52	1.0	U
108-88-3	Toluene	1	6.3	0.10	0.21	1.0	
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.17	0.12	0.52	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	14	0.15	0.41	2.1	
95-47-6	Xylene, Ortho	1	3.2	0.11	0.21	1.0	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.1	105	78 - 119	
1,2-Dichloroethane-d4	40.0	44.4	111	71 - 136	
Toluene-d8	40.0	39.8	100	85 - 116	
4-Bromofluorobenzene	40.0	40.1	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	496497	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB18-35

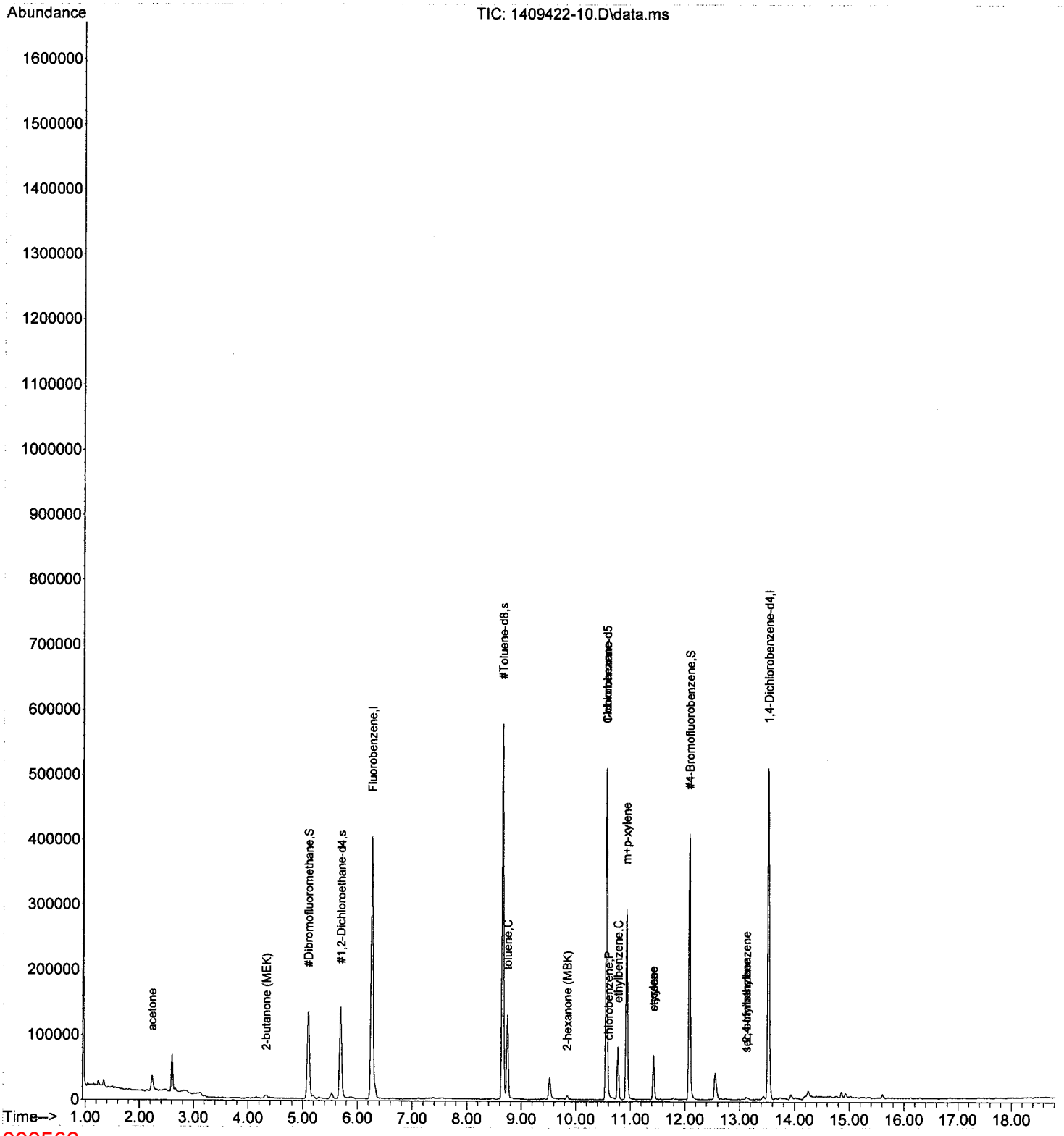
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-10
File ID: 1409422-10.D
Sampled: 09/23/14 14:05
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 23:15
Solids: 96.66
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	346958	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	173792	13.525	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-10.D
Acq On : 30 Sep 2014 23:15
Operator : DLV
Sample : 1409422-10
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 01 07:19:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-10.D
Acq On : 30 Sep 2014 23:15
Operator : DLV
Sample : 1409422-10
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 01 07:19:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	496497	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	346958	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	173792	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.102	111	131378	42.08	ug/L	0.00
Spiked Amount 40.000			Recovery =	105.20%		
37) #1,2-Dichloroethane-d4	5.696	67	79022	44.37	ug/L	0.00
Spiked Amount 40.000			Recovery =	110.92%		
46) #Toluene-d8	8.654	98	480410	39.85	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.63%		
64) #4-Bromofluorobenzene	12.084	95	174333	40.08	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.20%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	41280	13.89	ug/L	97
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.608	49	34945	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.331	43	10374	1.76	ug/L	96
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

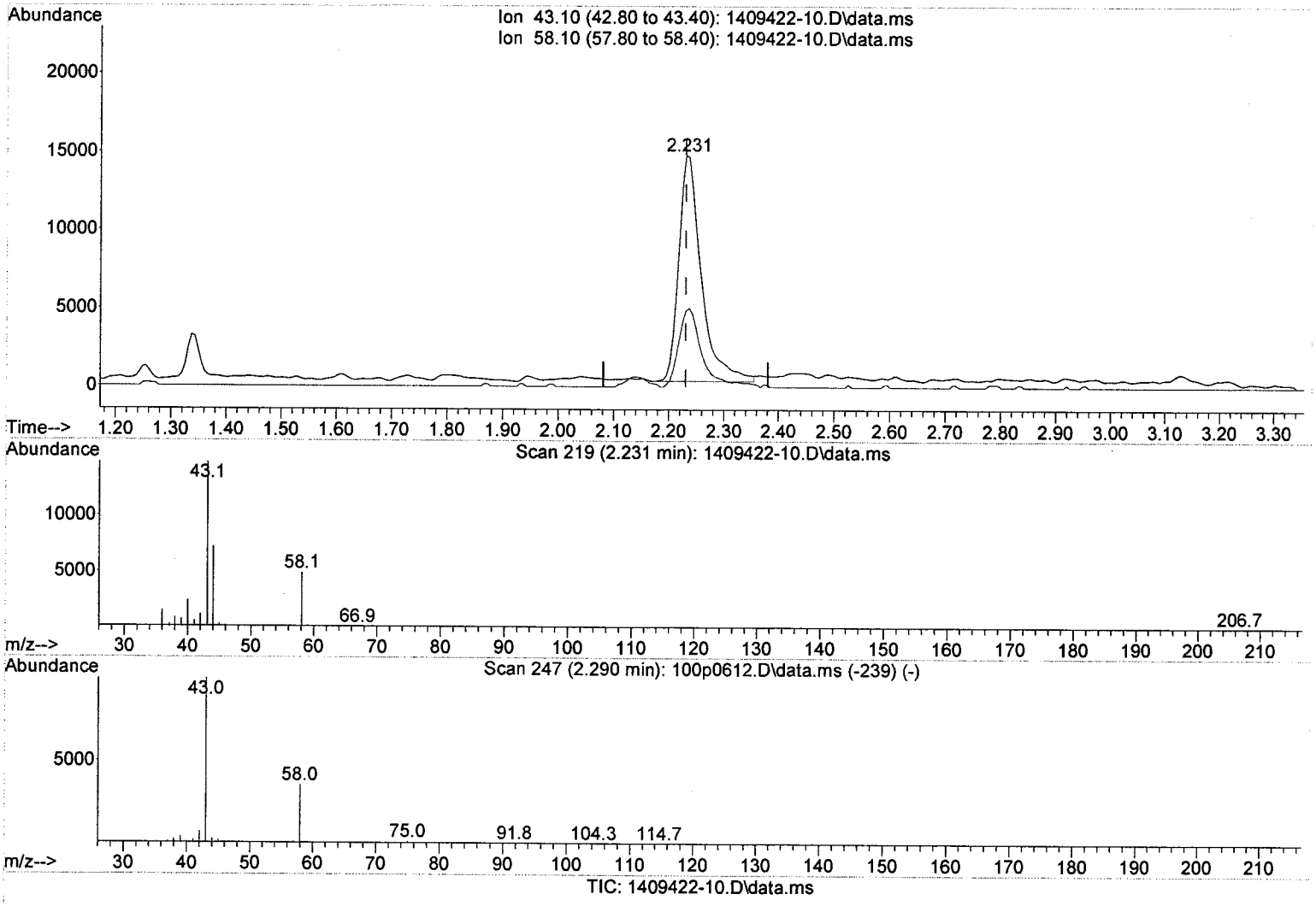
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-10.D
Acq On : 30 Sep 2014 23:15
Operator : DLV
Sample : 1409422-10
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 01 07:19:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	8.743	91	111863	6.13	ug/L	100
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	9.848	43	2372	0.82	ug/L #	25
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	10.601	112	1547	0.13	ug/L #	27
57) 1-chlorohexane	10.566	55	3097	0.68	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	10.778	91	70645	3.50	ug/L	98
60) m+p-xylene	10.931	106	100970	13.38	ug/L	95
61) o-xylene	11.425	106	22549	3.14	ug/L	99
62) styrene	11.425	104	1968	0.16	ug/L #	1
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	13.131	105	2563	0.16	ug/L #	32
77) sec-butylbenzene	13.131	105	2510	0.12	ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-10.D
Acq On : 30 Sep 2014 23:15
Operator : DLV
Sample : 1409422-10
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 01 07:19:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-10.D\data.ms

(13) acetone

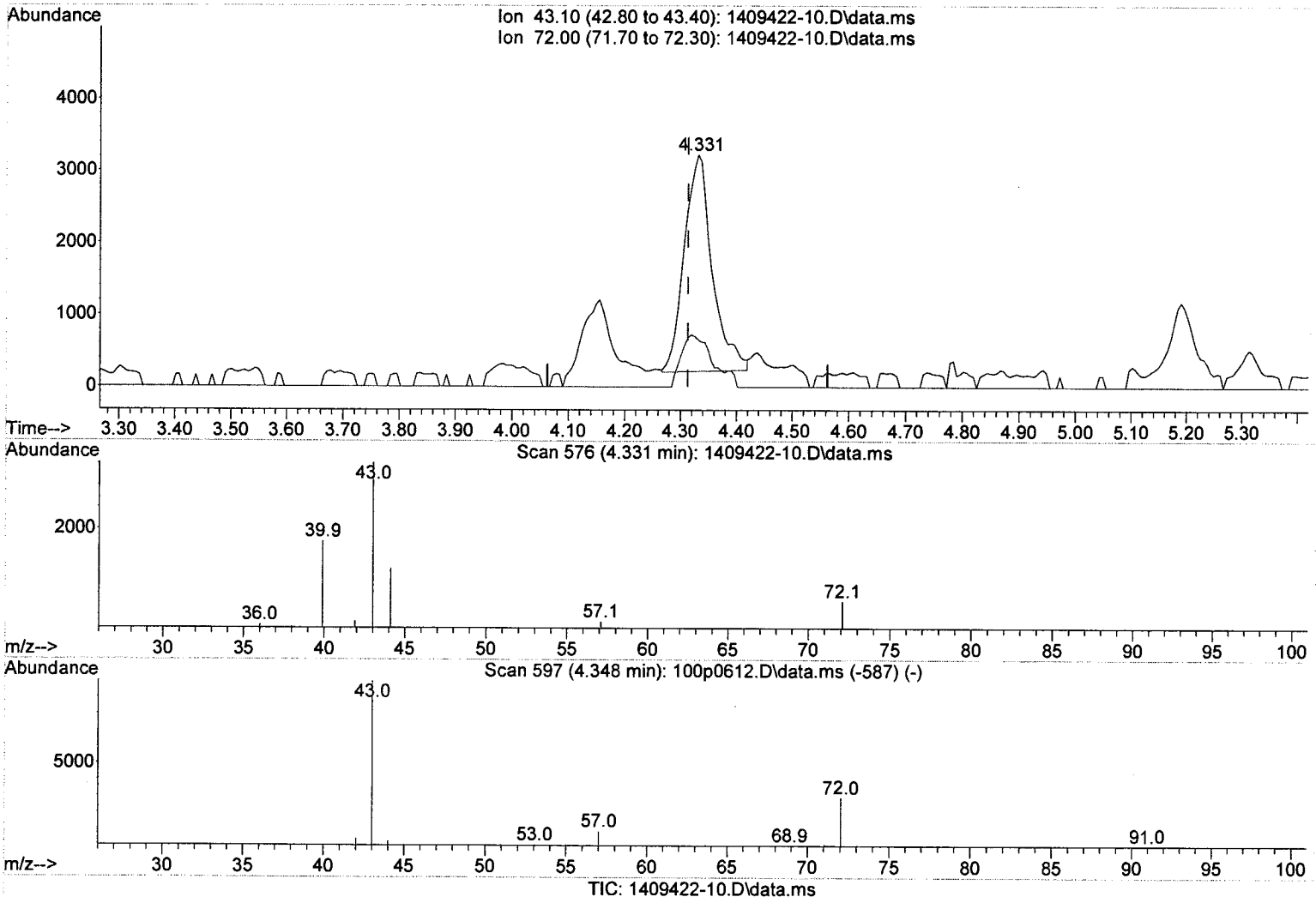
2.231min (+ 0.000) 13.89 ug/L

response 41280

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	36.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-10.D
Acq On : 30 Sep 2014 23:15
Operator : DLV
Sample : 1409422-10
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 01 07:19:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-10.D\data.ms

(25) 2-butanone (MEK)

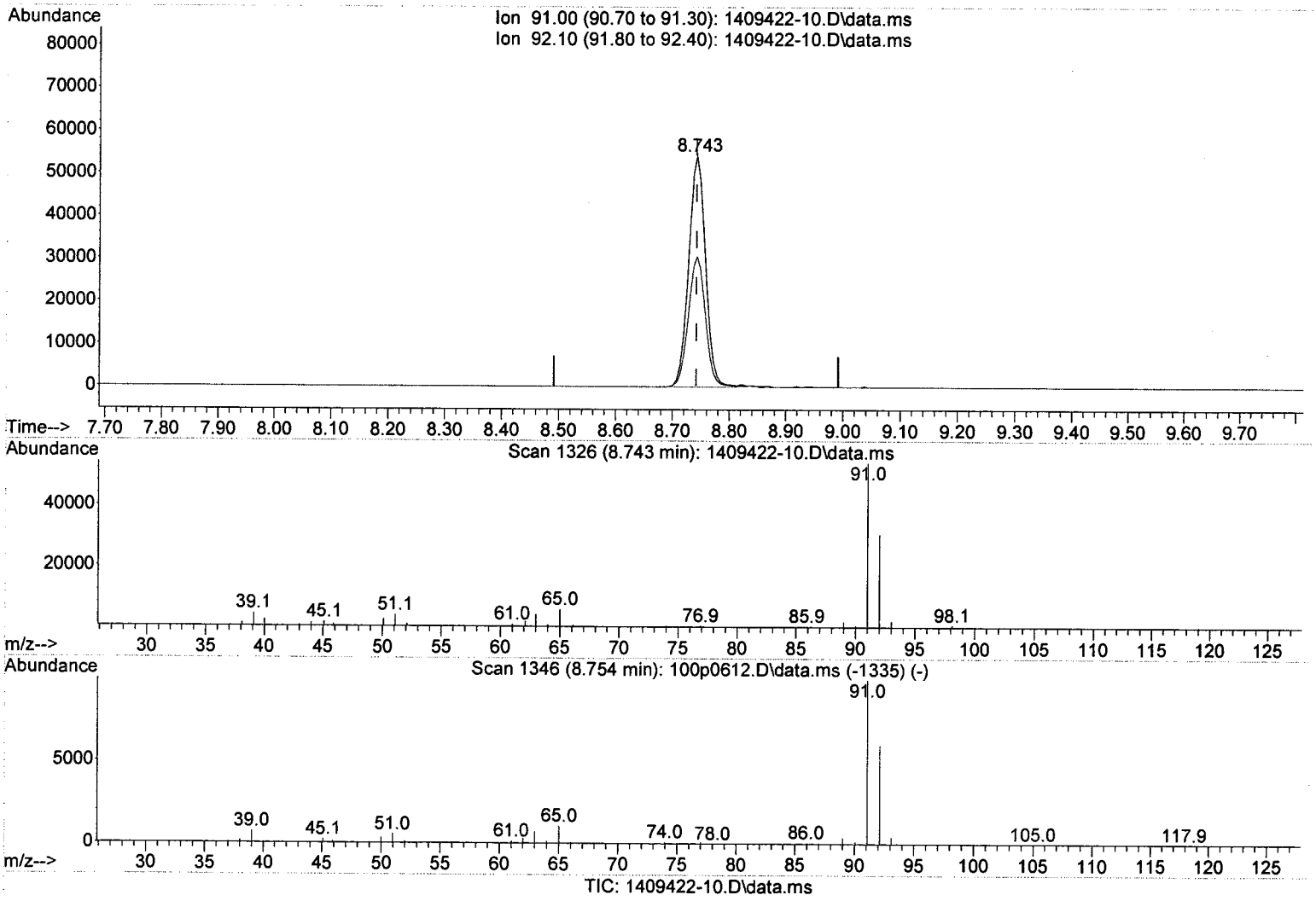
4.331min (+ 0.018) 1.76 ug/L

response 10374

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	27.25
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-10.D
Acq On : 30 Sep 2014 23:15
Operator : DLV
Sample : 1409422-10
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 01 07:19:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-10.D\data.ms

(47) toluene (C)

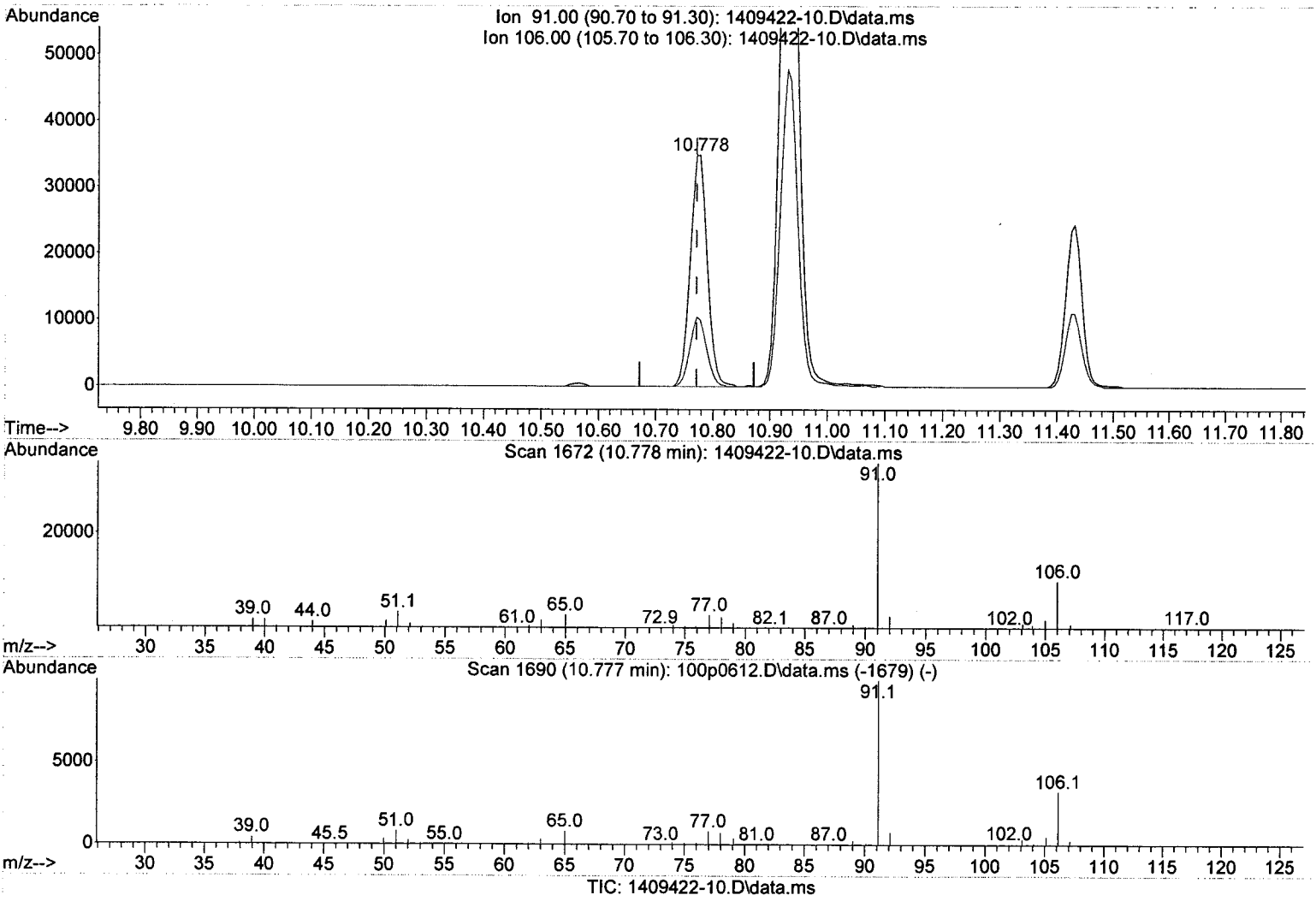
8.743min (+ 0.001) 6.13 ug/L

response 111863

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	57.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-10.D
Acq On : 30 Sep 2014 23:15
Operator : DLV
Sample : 1409422-10
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 01 07:19:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-10.D\data.ms

(59) ethylbenzene (C)

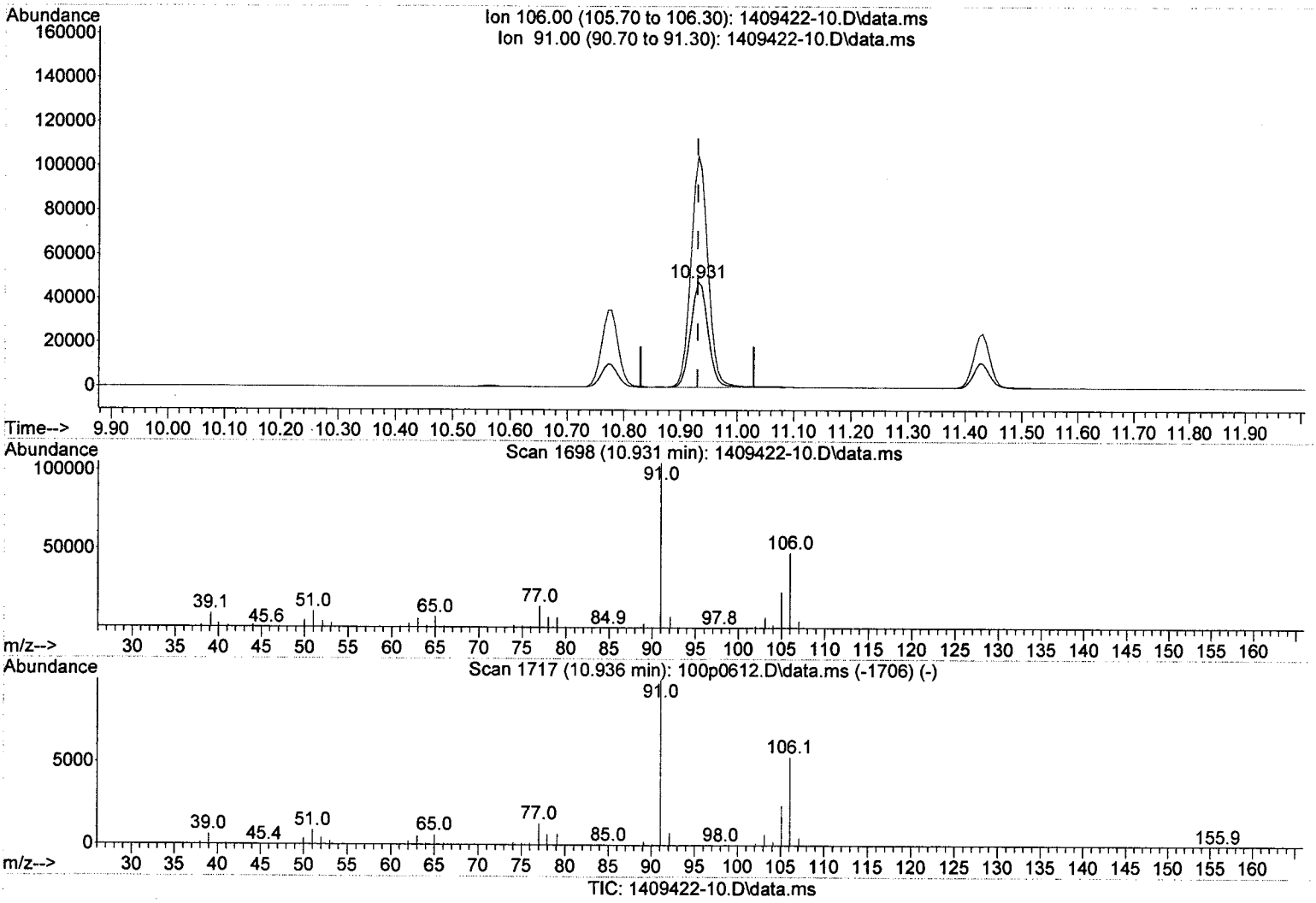
10.778min (+ 0.006) 3.50 ug/L

response 70645

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	29.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-10.D
Acq On : 30 Sep 2014 23:15
Operator : DLV
Sample : 1409422-10
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 01 07:19:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(60) m+p-xylene

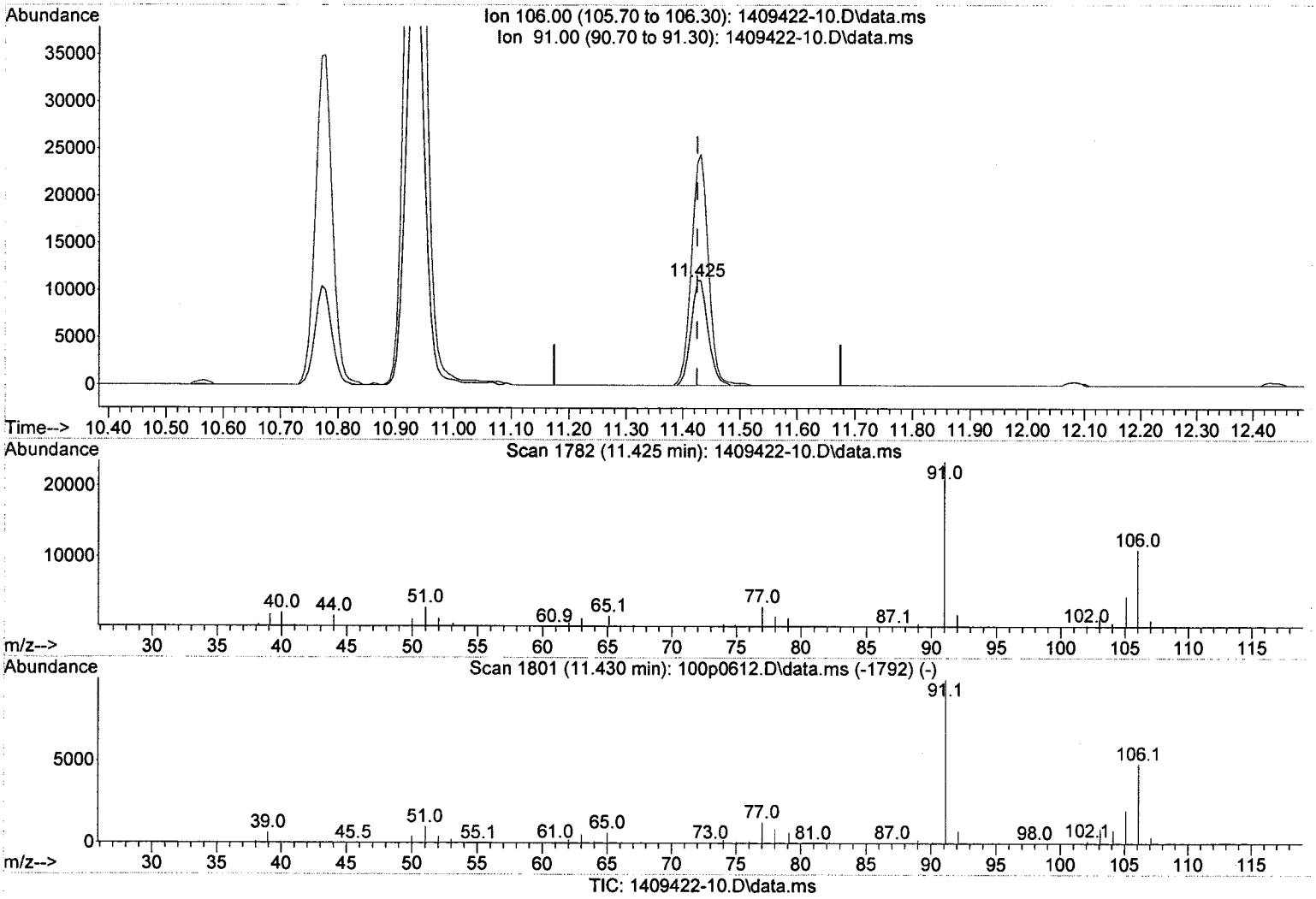
10.931min (+ 0.001) 13.38 ug/L

response 100970

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	215.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-10.D
Acq On : 30 Sep 2014 23:15
Operator : DLV
Sample : 1409422-10
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 01 07:19:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-10.D\data.ms

(61) o-xylene

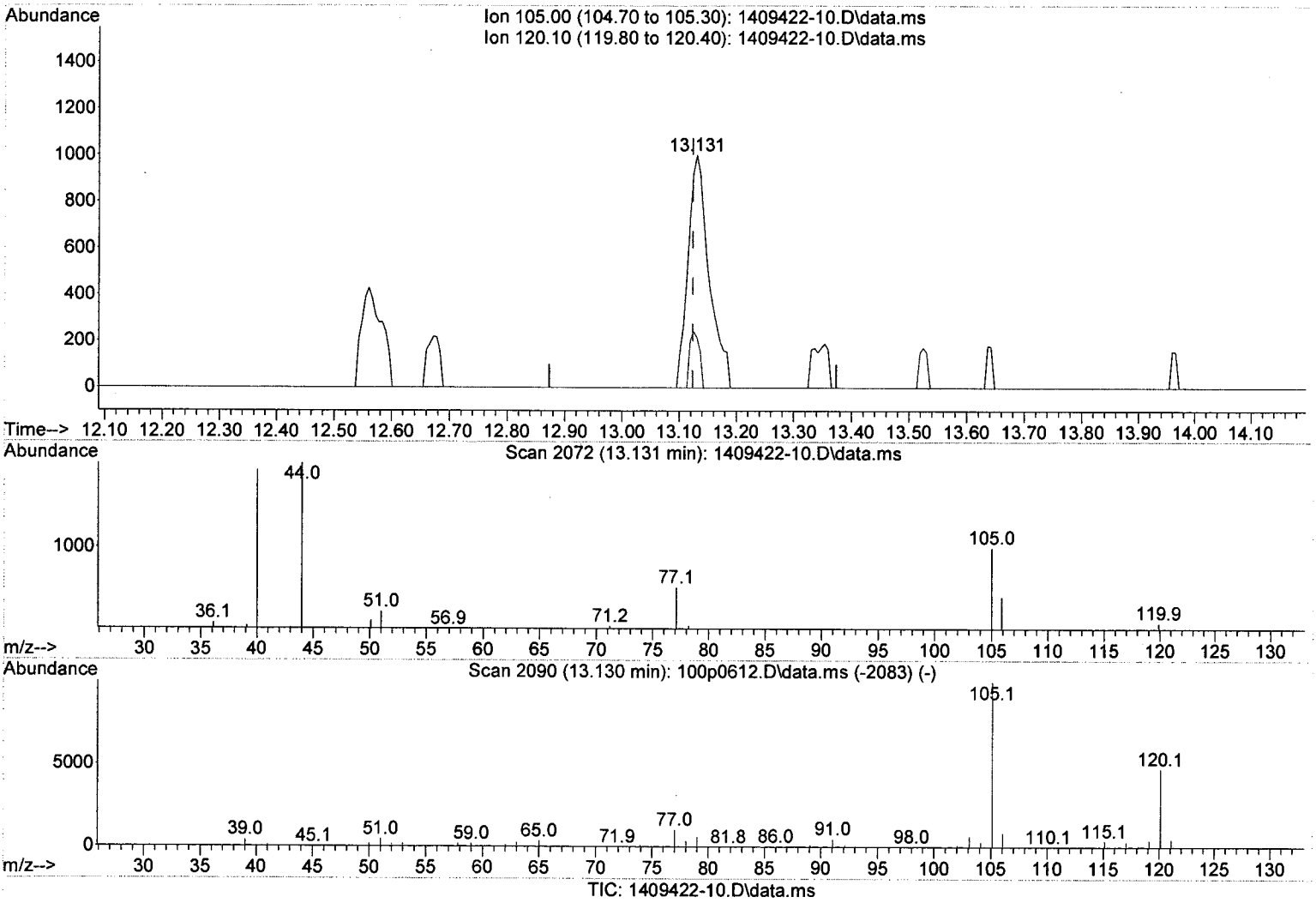
11.425min (-0.000) 3.14 ug/L

response 22549

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	220.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-10.D
Acq On : 30 Sep 2014 23:15
Operator : DLV
Sample : 1409422-10
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 01 07:19:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-10.D\data.ms

(76) 1,2,4-trimethylbenzene

13.131min (+ 0.007) 0.16 ug/L

response 2563

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB18-05

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-11 File ID: 1409422-11.D

Sampled: 09/23/14 13:30 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 23:38

Solids: 94.10 Preparation: 5035A Low Concentratio Initial/Final: 3.8 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	46	5.9	7.0	7.0	
71-43-2	Benzene	1	4.7	0.22	0.70	1.4	
108-86-1	Bromobenzene	1	0.70	0.19	0.70	1.4	U
74-97-5	Bromochloromethane	1	0.70	0.20	0.70	1.4	U
75-27-4	Bromodichloromethane	1	0.70	0.24	0.70	1.4	U
75-25-2	Bromoform	1	0.70	0.50	0.70	1.4	U
74-83-9	Bromomethane	1	0.70	0.46	0.70	1.4	U
104-51-8	n-Butylbenzene	1	0.70	0.36	0.70	1.4	U
135-98-8	sec-Butylbenzene	1	0.70	0.30	0.70	1.4	U
98-06-6	tert-Butylbenzene	1	0.70	0.23	0.70	1.4	U
75-15-0	Carbon Disulfide	1	0.48	0.32	0.70	1.4	J
56-23-5	Carbon Tetrachloride	1	0.70	0.46	0.70	1.4	U
108-90-7	Chlorobenzene	1	0.70	0.21	0.70	1.4	U
75-00-3	Chloroethane	1	1.4	0.70	1.4	1.4	U
67-66-3	Chloroform	1	0.70	0.20	0.70	1.4	U
74-87-3	Chloromethane	1	0.70	0.36	0.70	1.4	U
95-49-8	2-Chlorotoluene	1	0.70	0.41	0.70	1.4	U
106-43-4	4-Chlorotoluene	1	0.28	0.28	0.28	1.4	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.4	0.83	1.4	7.0	U
124-48-1	Dibromochloromethane	1	0.70	0.26	0.70	1.4	U
106-93-4	1,2-Dibromoethane	1	0.70	0.21	0.70	1.4	U
74-95-3	Dibromomethane	1	0.70	0.31	0.70	1.4	U
95-50-1	1,2-Dichlorobenzene	1	0.28	0.13	0.28	1.4	U
541-73-1	1,3-Dichlorobenzene	1	0.28	0.15	0.28	1.4	U
106-46-7	1,4-Dichlorobenzene	1	0.28	0.15	0.28	1.4	U
75-71-8	Dichlorodifluoromethane	1	0.70	0.20	0.70	1.4	U
75-34-3	1,1-Dichloroethane	1	0.70	0.29	0.70	1.4	U
107-06-2	1,2-Dichloroethane	1	0.70	0.32	0.70	1.4	U
75-35-4	1,1-Dichloroethene	1	0.70	0.43	0.70	1.4	U
156-59-2	cis-1,2-Dichloroethene	1	0.70	0.32	0.70	1.4	U
156-60-5	trans-1,2-Dichloroethene	1	0.70	0.38	0.70	1.4	U
78-87-5	1,2-Dichloropropane	1	0.70	0.24	0.70	1.4	U
142-28-9	1,3-Dichloropropane	1	0.70	0.20	0.70	1.4	U
594-20-7	2,2-Dichloropropane	1	0.70	0.32	0.70	1.4	U
563-58-6	1,1-Dichloropropene	1	0.70	0.39	0.70	1.4	U
10061-01-5	cis-1,3-Dichloropropene	1	0.28	0.16	0.28	1.4	U
10061-02-6	trans-1,3-Dichloropropene	1	0.70	0.17	0.70	1.4	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB18-05

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-11 File ID: 1409422-11.D

Sampled: 09/23/14 13:30 Prepared: 09/30/14 13:00 Analyzed: 09/30/14 23:38

Solids: 94.10 Preparation: 5035A Low Concentratio Initial/Final: 3.8 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	5.2	0.26	0.70	1.4	
87-68-3	Hexachlorobutadiene	1	0.70	0.29	0.70	1.4	U
591-78-6	2-Hexanone	1	0.70	0.67	0.70	7.0	U
98-82-8	Isopropylbenzene	1	0.28	0.16	0.28	1.4	U
99-87-6	4-Isopropyltoluene	1	0.70	0.34	0.70	1.4	U
75-09-2	Methylene Chloride	1	1.4	0.65	1.4	7.0	U
78-93-3	2-Butanone (MEK)	1	4.8	1.6	7.0	7.0	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.70	0.54	0.70	7.0	U
91-20-3	Naphthalene	1	0.70	0.23	0.70	7.0	U
103-65-1	n-Propylbenzene	1	0.70	0.16	0.70	1.4	U
100-42-5	Styrene	1	0.28	0.28	0.28	1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.70	0.21	0.70	1.4	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.70	0.20	0.70	1.4	U
127-18-4	Tetrachloroethene	1	0.70	0.24	0.70	1.4	U
108-88-3	Toluene	1	9.8	0.14	0.28	1.4	
87-61-6	1,2,3-Trichlorobenzene	1	0.70	0.40	0.70	1.4	U
120-82-1	1,2,4-Trichlorobenzene	1	0.70	0.24	0.70	1.4	U
71-55-6	1,1,1-Trichloroethane	1	0.70	0.20	0.70	1.4	U
79-00-5	1,1,2-Trichloroethane	1	0.70	0.30	0.70	1.4	U
79-01-6	Trichloroethene	1	0.70	0.34	0.70	1.4	U
75-69-4	Trichlorofluoromethane	1	0.70	0.24	0.70	1.4	U
96-18-4	1,2,3-Trichloropropane	1	0.70	0.32	0.70	1.4	U
95-63-6	1,2,4-Trimethylbenzene	1	0.24	0.16	0.70	1.4	J
108-67-8	1,3,5-Trimethylbenzene	1	0.70	0.27	0.70	1.4	U
75-01-4	Vinyl Chloride	1	0.70	0.28	0.70	1.4	U
179601-23-1	Xylene, Meta + Para	1	20	0.20	0.56	2.8	
95-47-6	Xylene, Ortho	1	4.5	0.16	0.28	1.4	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.4	104	78 - 119	
1,2-Dichloroethane-d4	40.0	45.4	113	71 - 136	
Toluene-d8	40.0	38.7	97	85 - 116	
4-Bromofluorobenzene	40.0	39.3	98	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	494788	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB18-05

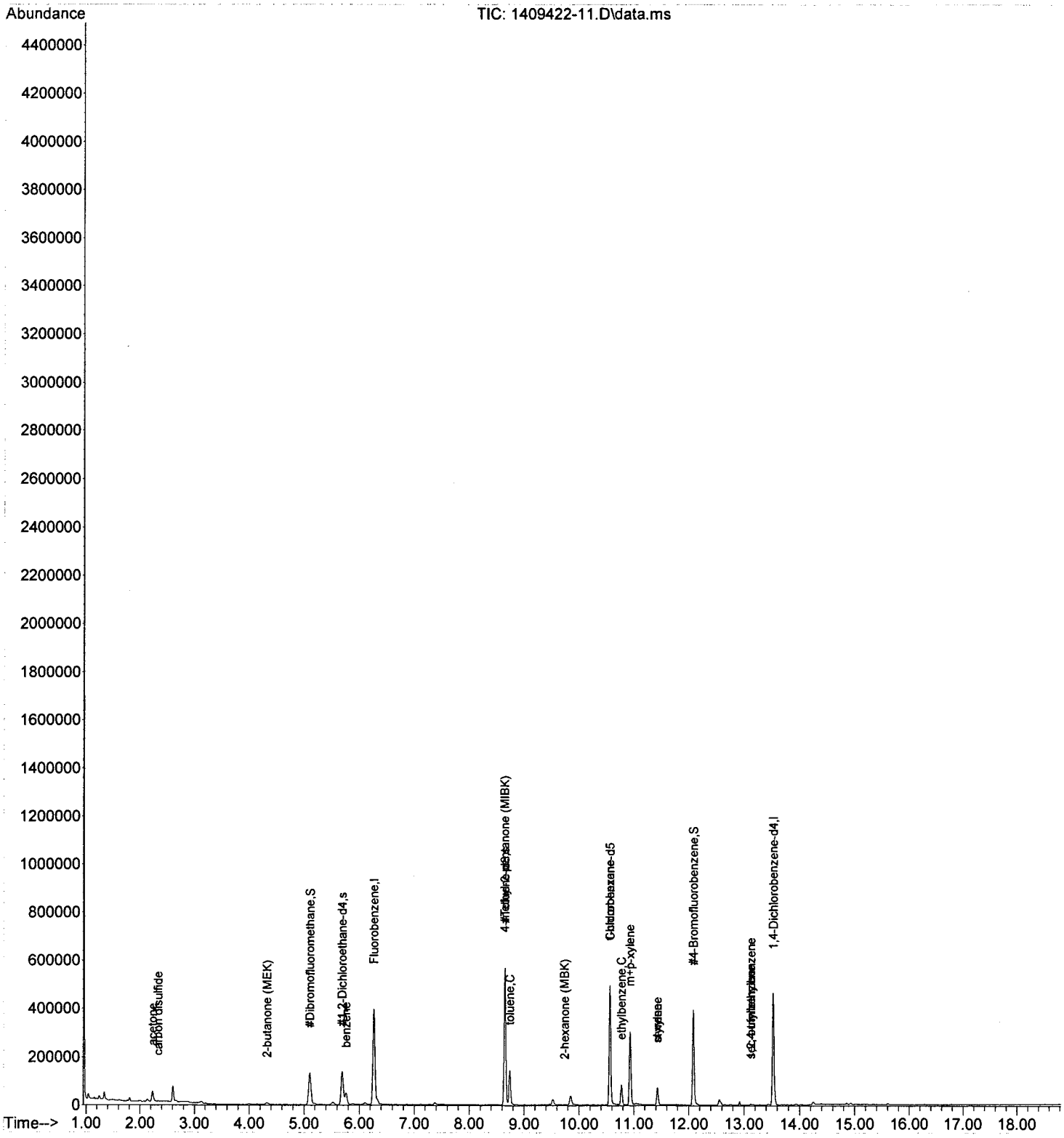
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-11
File ID: 1409422-11.D
Sampled: 09/23/14 13:30
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 23:38
Solids: 94.10
Preparation: 5035A Low Concentratio
Initial/Final: 3.8 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	338269	10.566	309516	10.56	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	494788	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	338269	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	158795	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	128960	41.45	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.63%				
37) #1,2-Dichloroethane-d4	5.690	67	80486	45.35	ug/L		0.00
Spiked Amount 40.000			Recovery = 113.38%				
46) #Toluene-d8	8.654	98	464774	38.69	ug/L		0.00
Spiked Amount 40.000			Recovery = 96.72%				
64) #4-Bromofluorobenzene	12.083	95	166600	39.29	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.22%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	64884	✓ 32.85	ug/L		98
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	3832	✓ 0.34	ug/L	#	74
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	40301	Below Cal			99
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	13602	✓ 3.45	ug/L		96
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.760	78	57517	3.33	ug/L	#	84
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

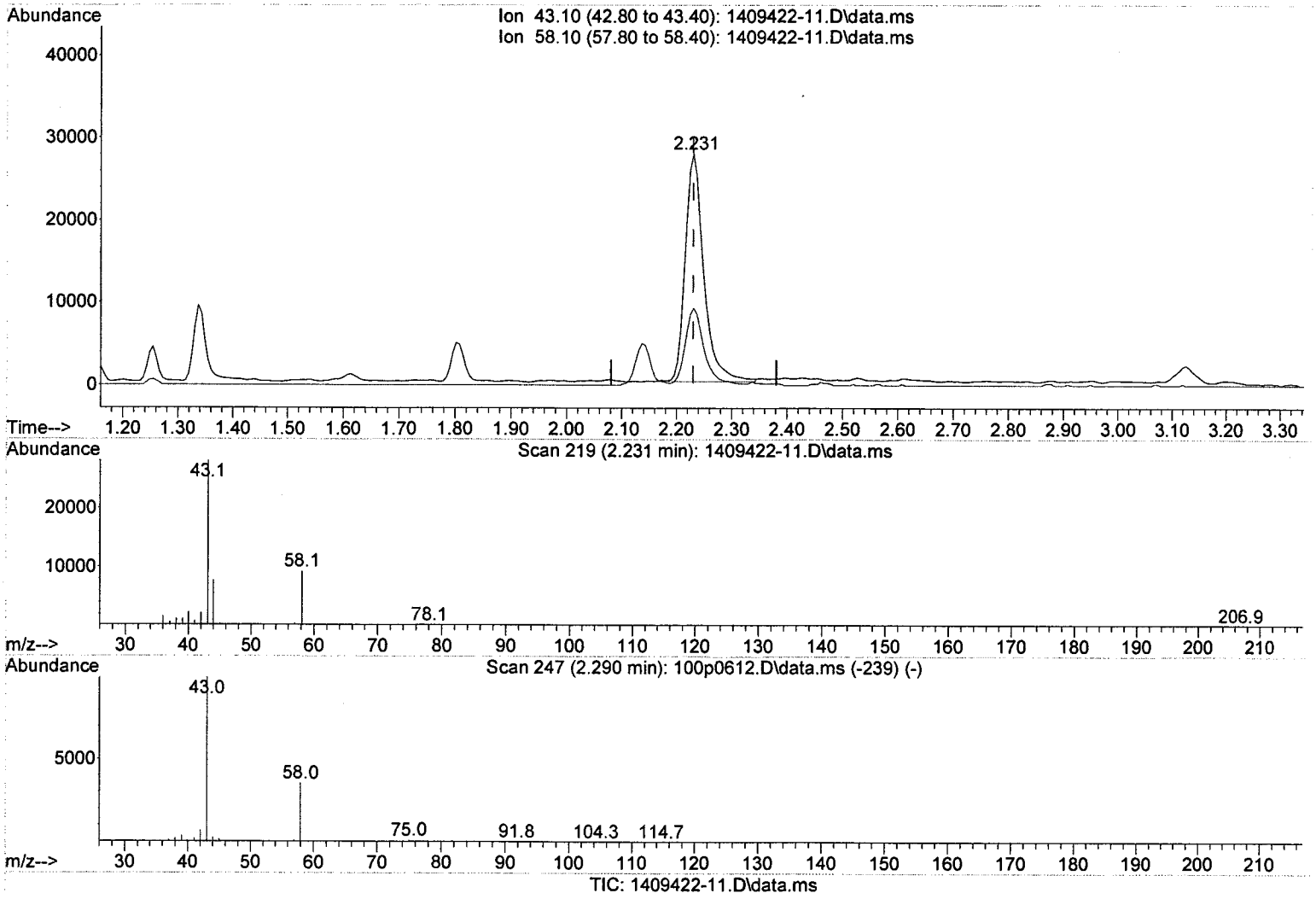
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	8.648	43	1800	0.47 ug/L #	1
47) toluene	8.742	91	127528	7.01 ug/L	98
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.742	43	1619	0.57 ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	3028	0.68 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	73397	3.73 ug/L	98
60) m+p-xylene	10.930	106	105977	14.40 ug/L	100
61) o-xylene	11.430	106	22286	3.19 ug/L	88
62) styrene	11.425	104	2181	0.18 ug/L #	1
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.124	105	2485	0.17 ug/L #	32
77) sec-butylbenzene	13.124	105	2418	0.13 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-11.D\data.ms

(13) acetone

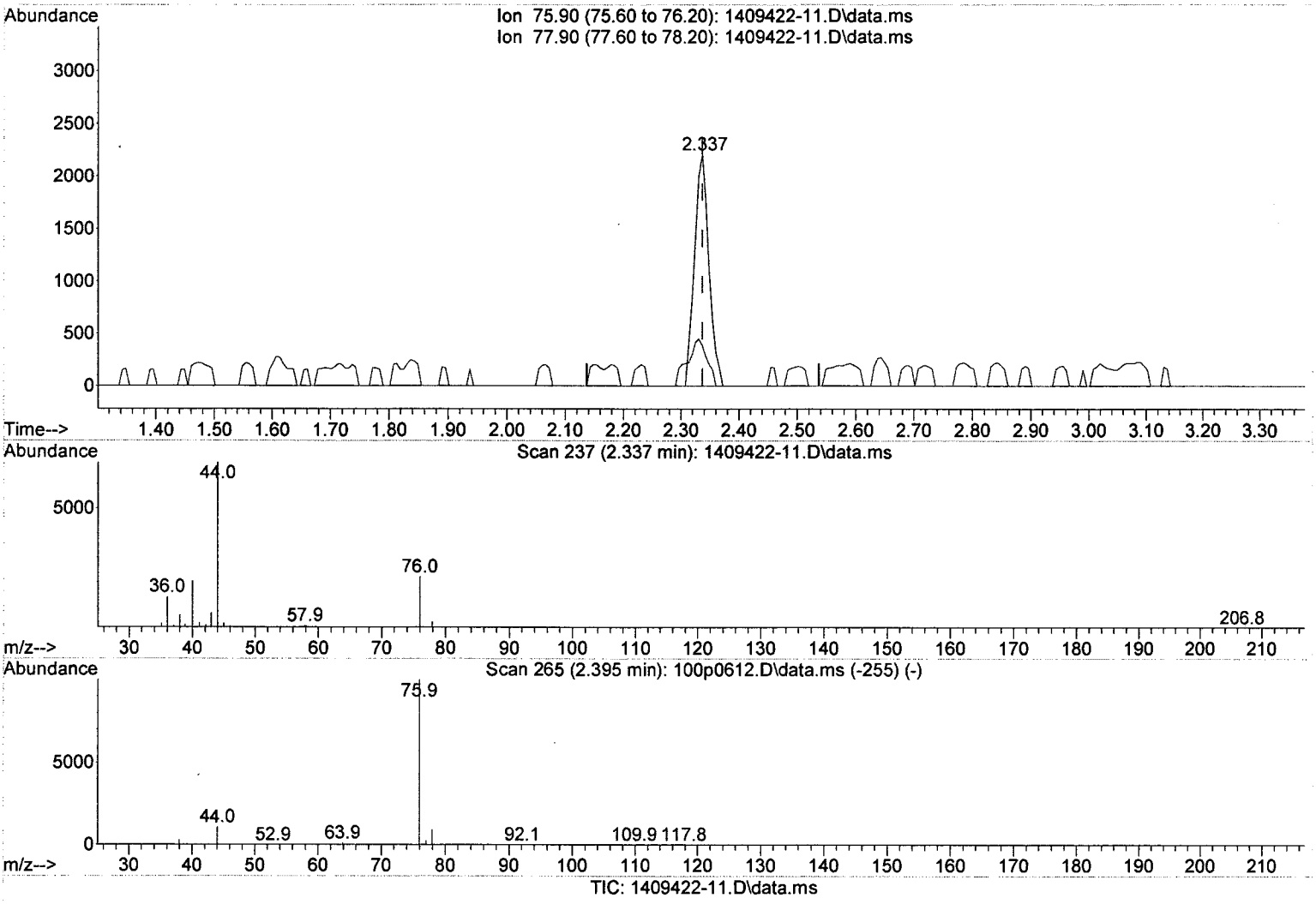
2.231min (-0.000) 32.85 ug/L

response 64884

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	33.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-11.D\data.ms

(15) carbon disulfide

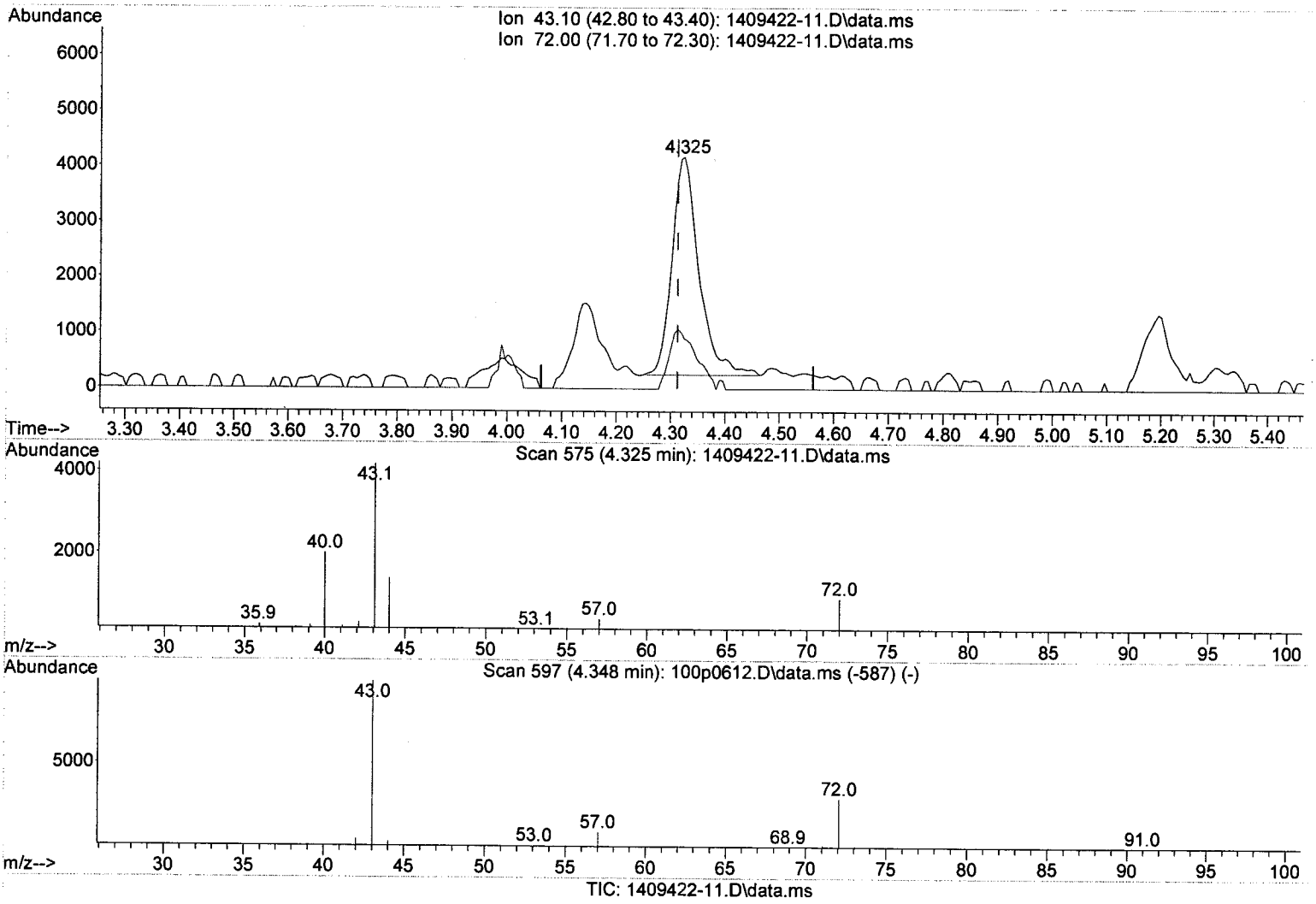
2.337min (-0.000) 0.34 ug/L

response 3832

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-11.D\data.ms

(25) 2-butanone (MEK)

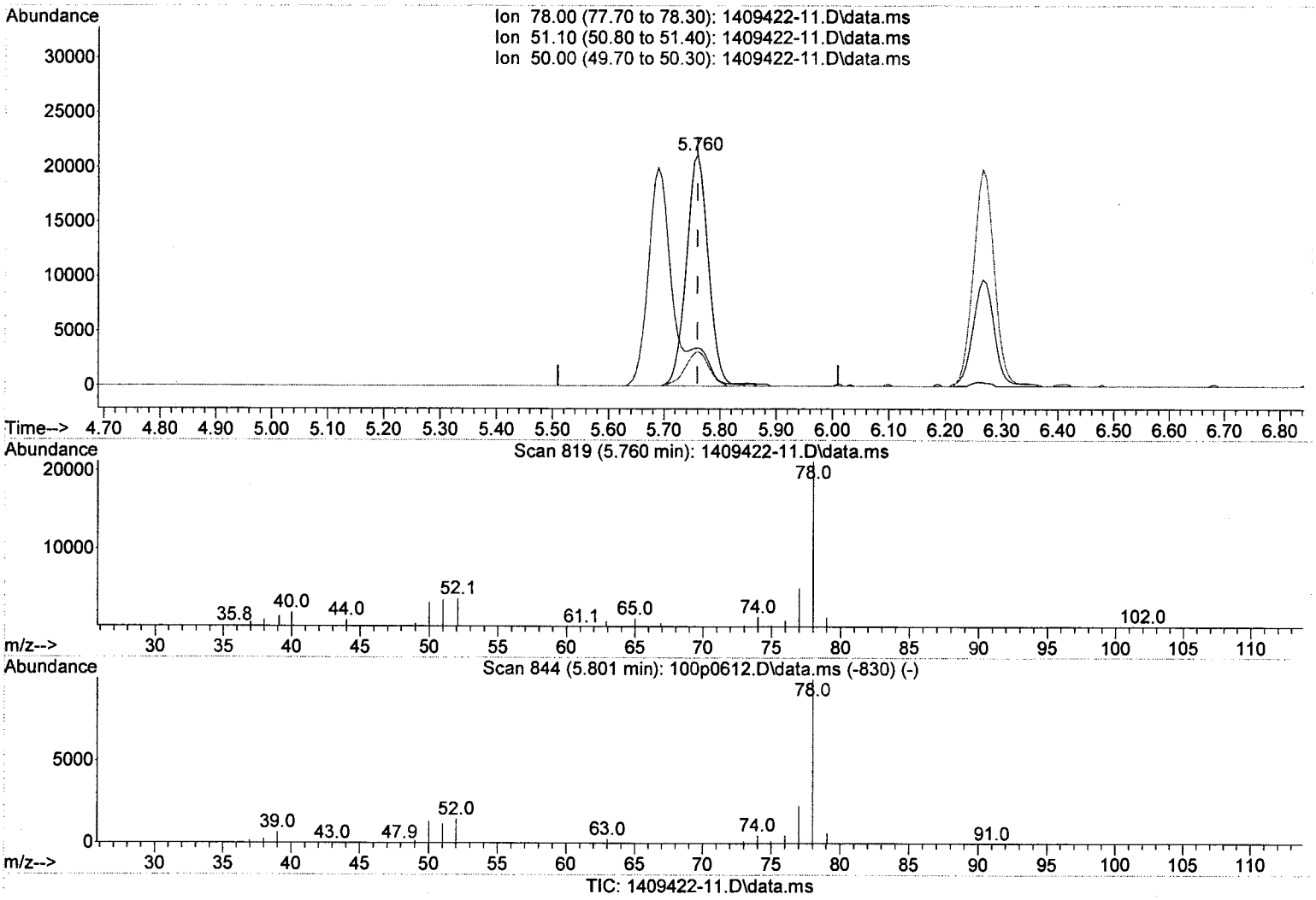
4.325min (+ 0.012) 3.45 ug/L

response 13602

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	26.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-11.D\data.ms

(34) benzene

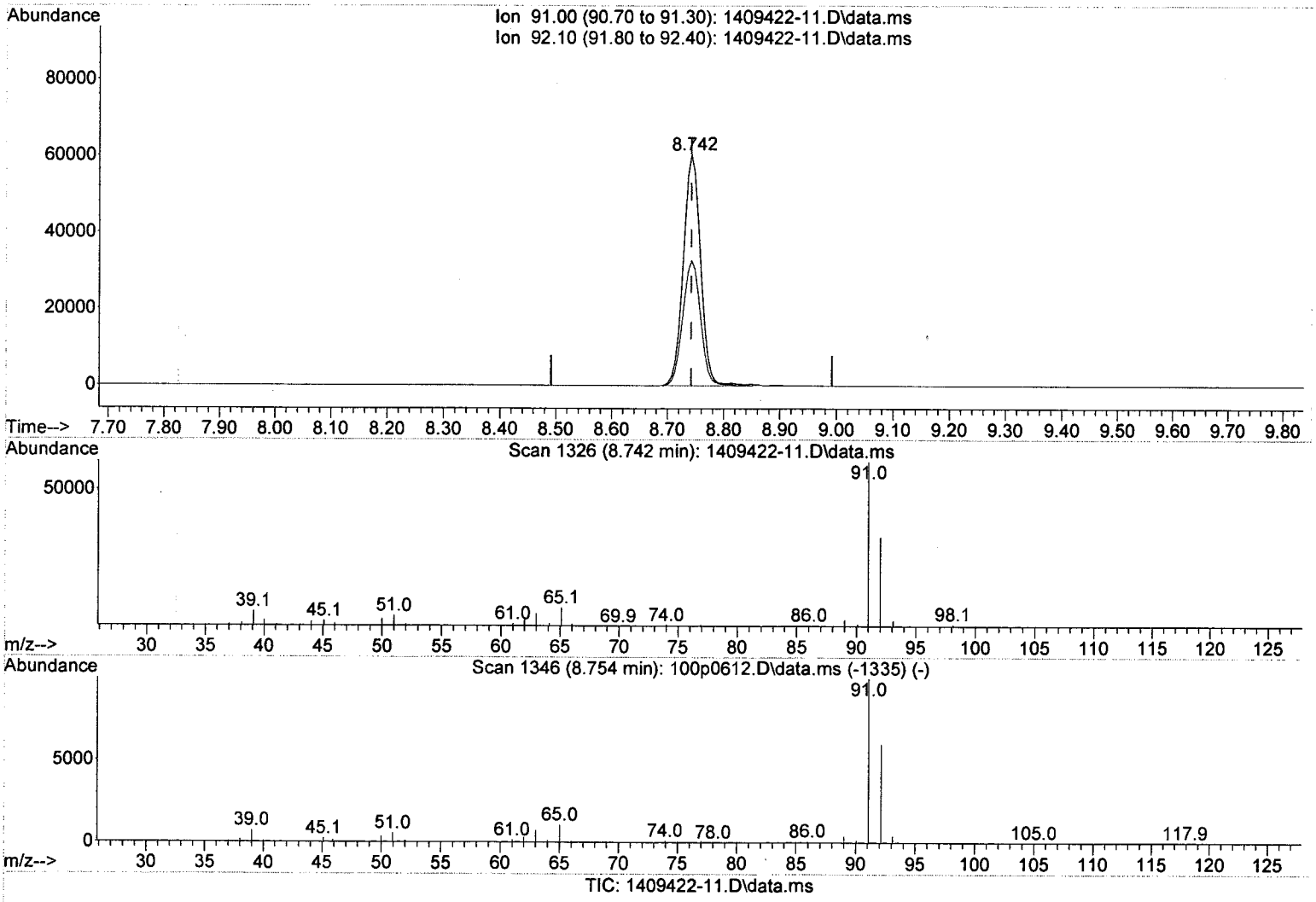
5.760min (+ 0.000) 3.33 ug/L

response 57517

Ion	Exp%	Act%
78.00	100.00	100.00
51.10	13.10	0.00
50.00	15.20	15.86
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-11.D\data.ms

(47) toluene (C)

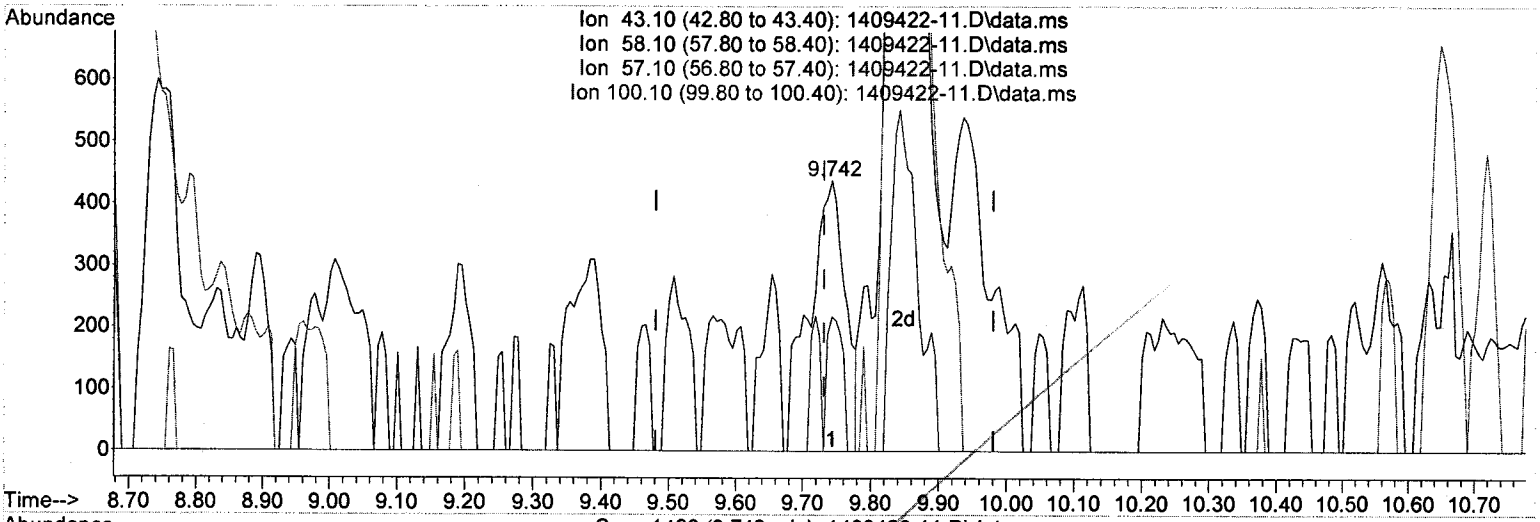
8.742min (+ 0.000) 7.01 ug/L

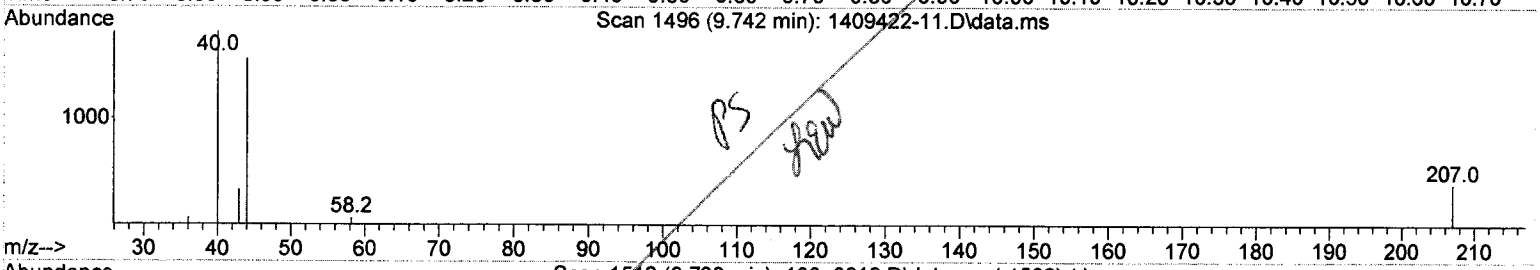
response 127528

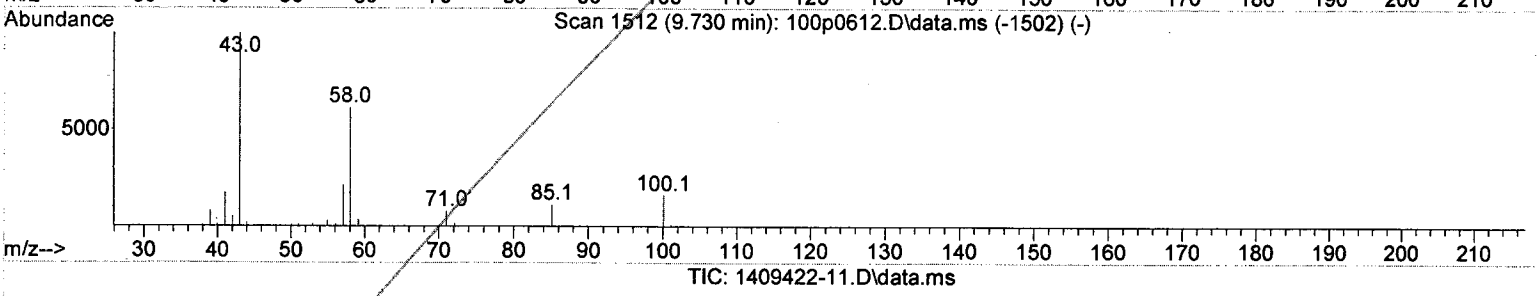
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	55.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409422-11.D\data.ms

(53) 2-hexanone (MBK)

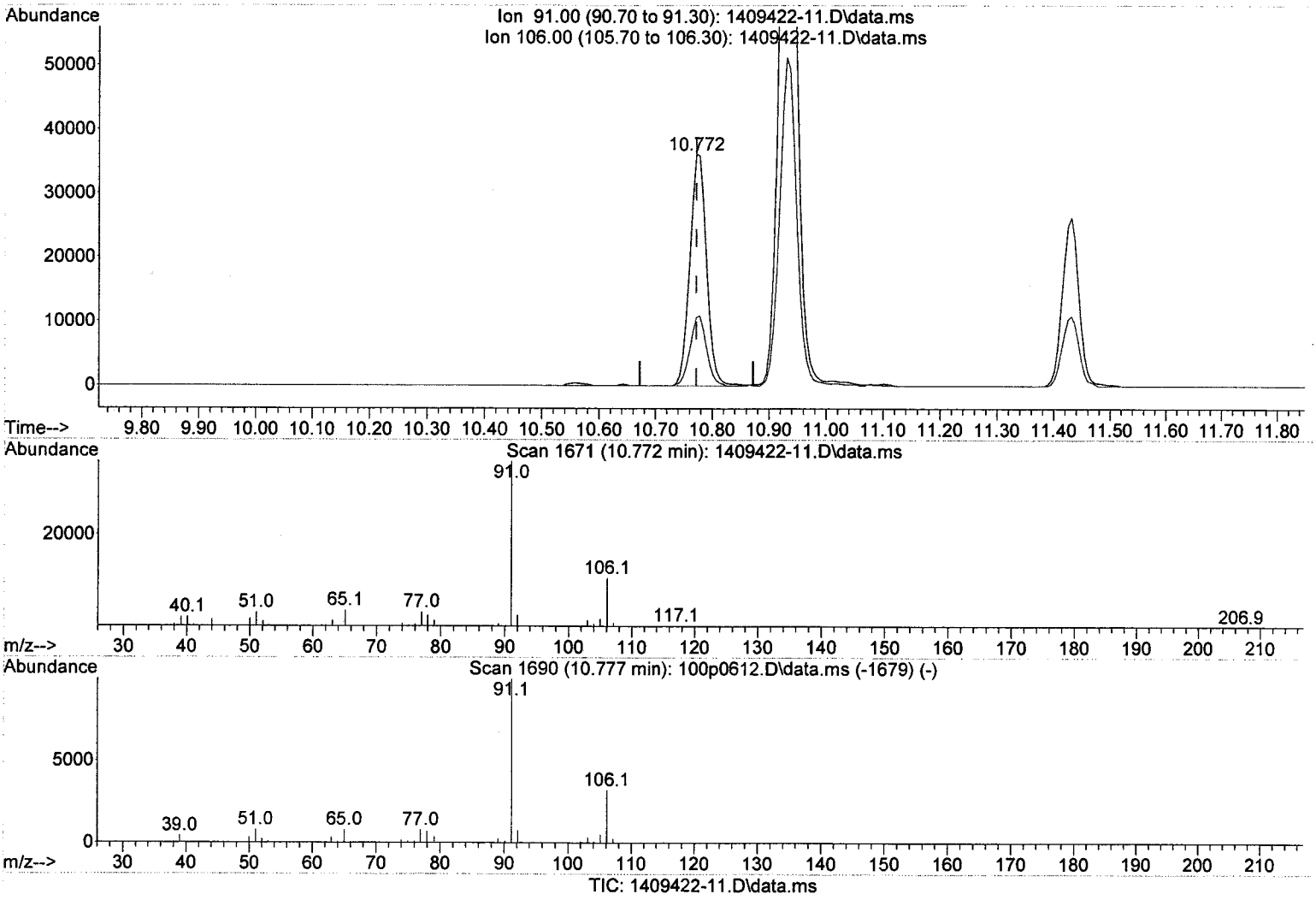
9.742min (+ 0.011) 0.57 ug/L

response 1619

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	53.20	0.00#
57.10	18.90	0.00
100.10	10.50	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-11.D\data.ms

(59) ethylbenzene (C)

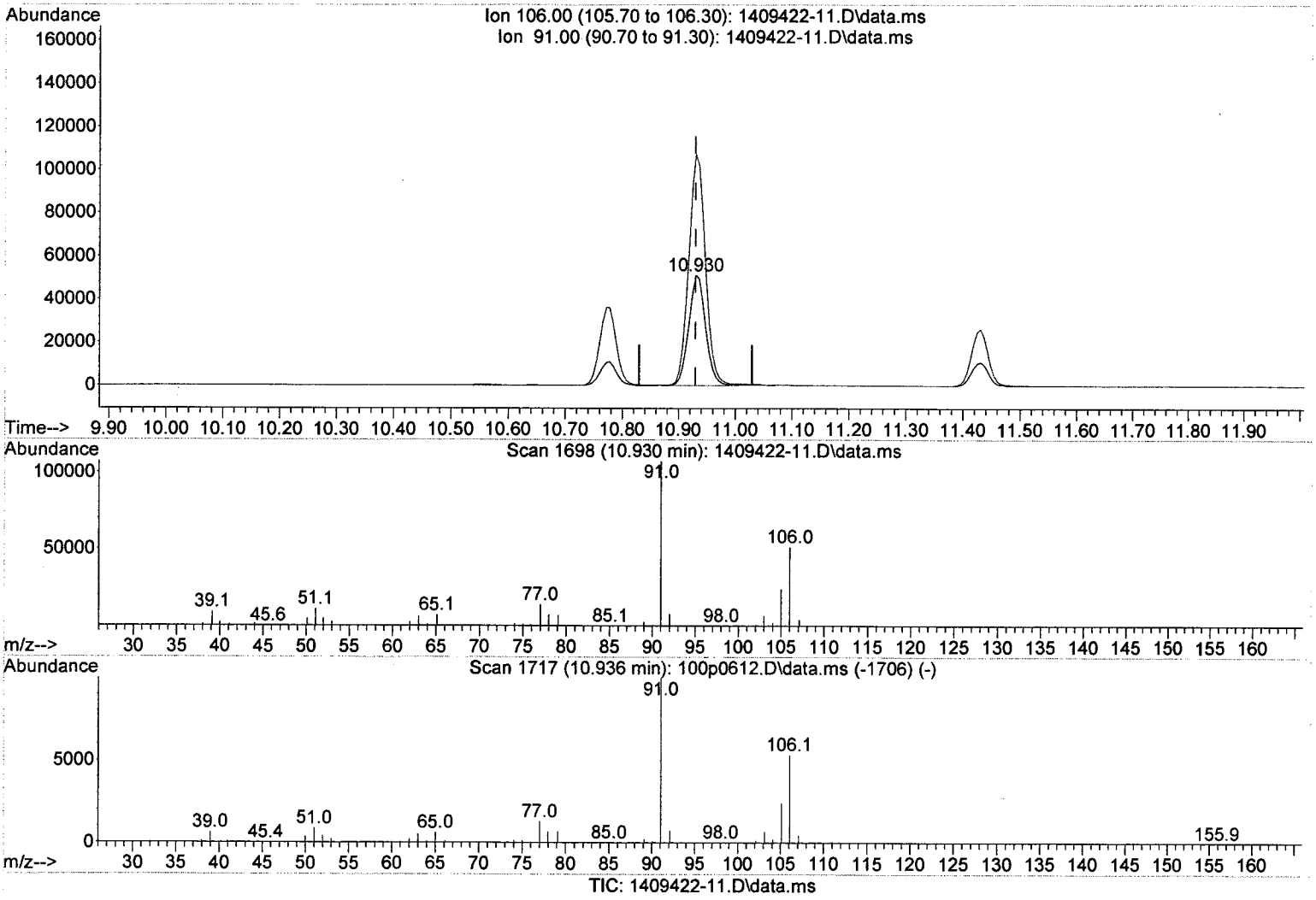
10.772min (-0.000) 3.73 ug/L

response 73397

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	29.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-11.D\data.ms

(60) m+p-xylene

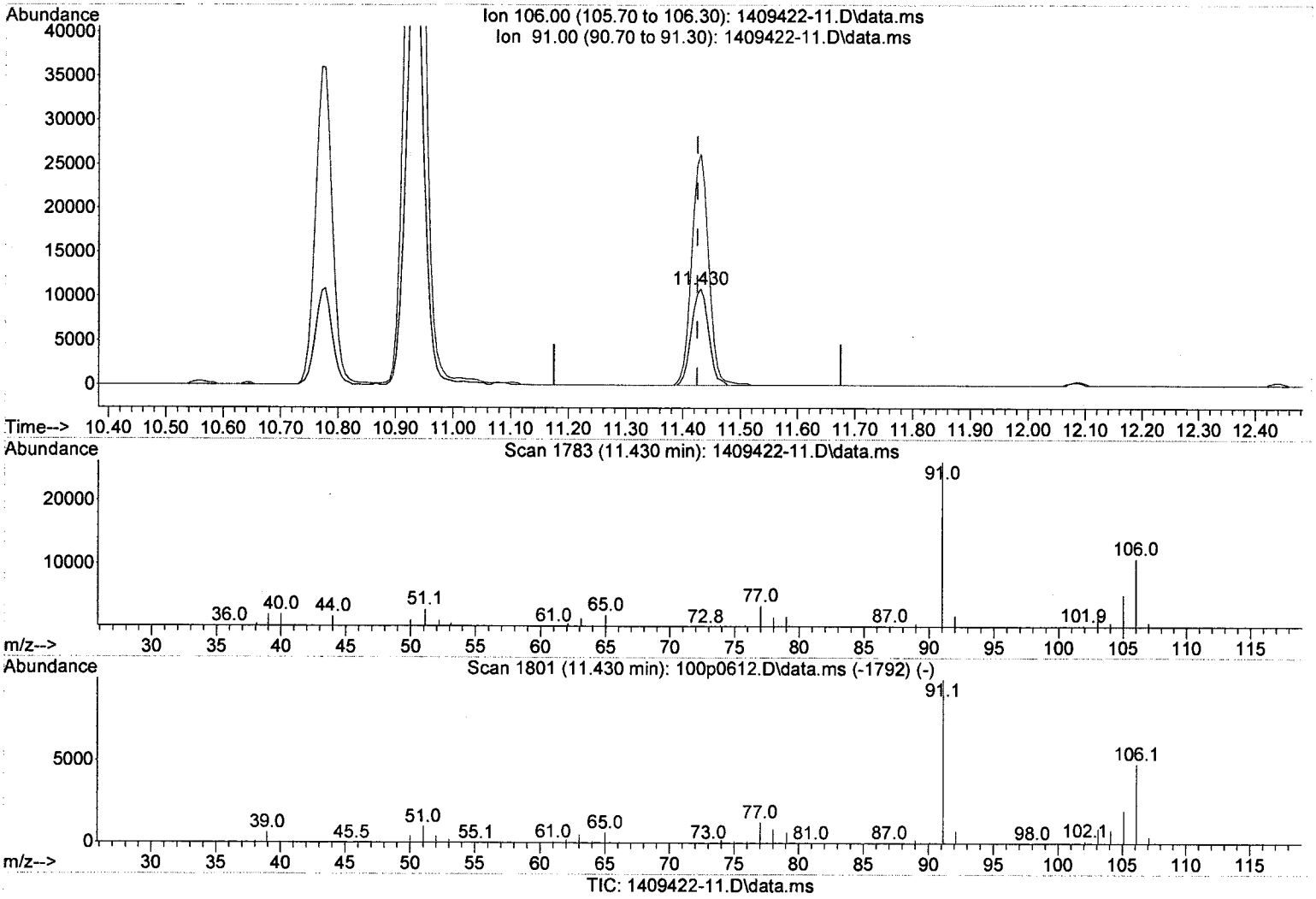
10.930min (+ 0.000) 14.40 ug/L

response 105977

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	206.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409422-11.D\data.ms

(61) o-xylene

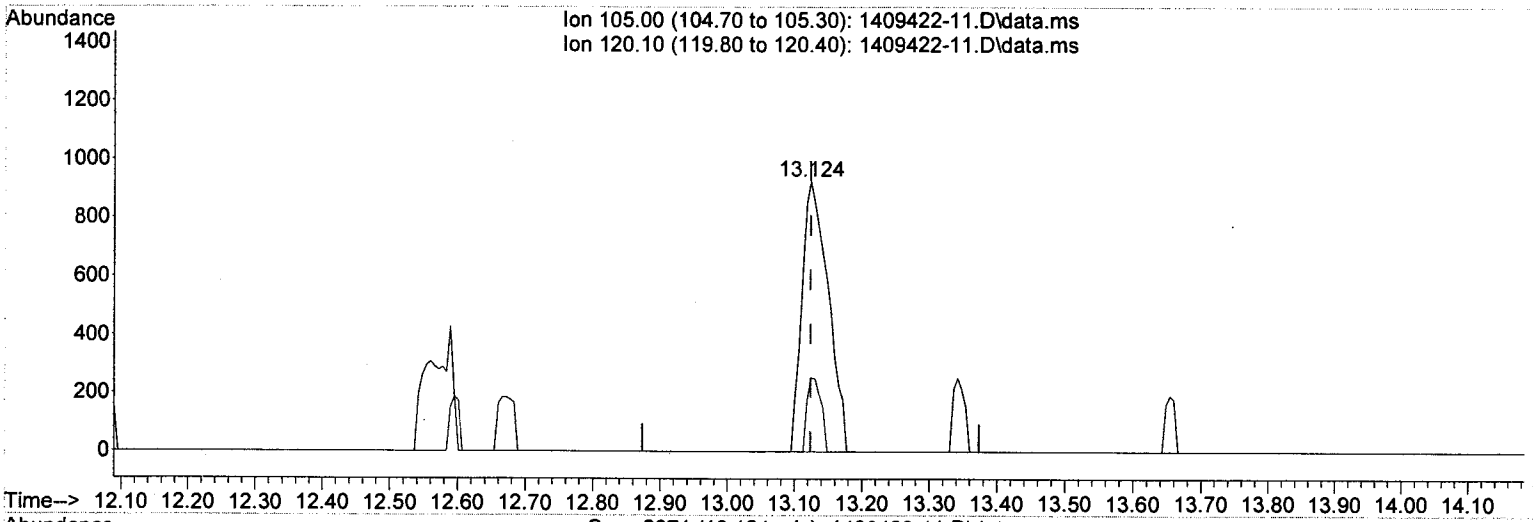
11.430min (+ 0.005) 3.19 ug/L

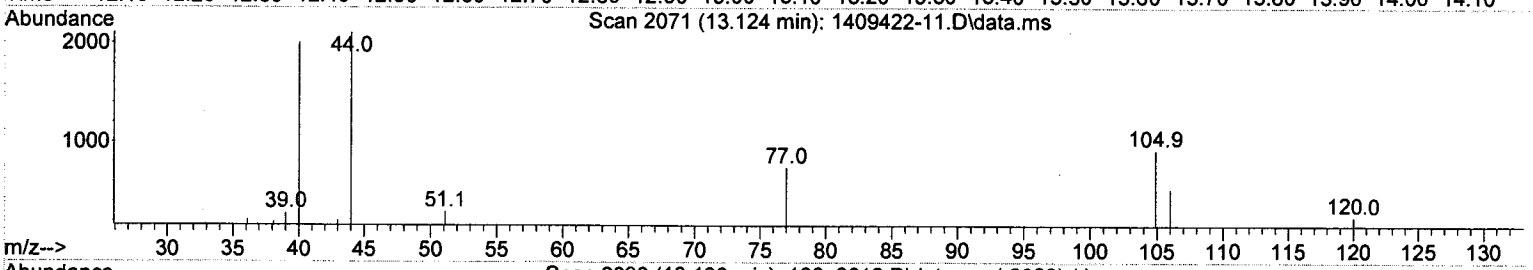
response 22286

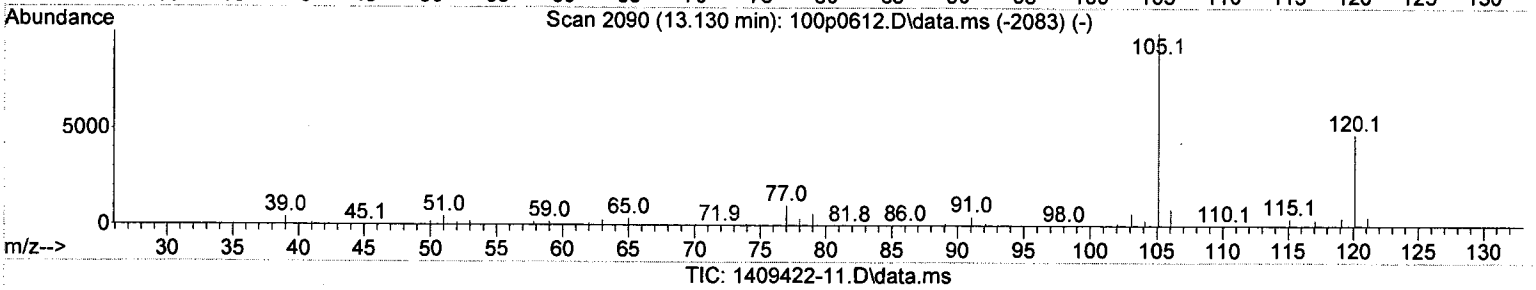
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	238.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-11.D
Acq On : 30 Sep 2014 23:38
Operator : DLV
Sample : 1409422-11
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 01 07:19:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409422-11.D\data.ms

(76) 1,2,4-trimethylbenzene

13.124min (+ 0.000) 0.17 ug/L

response 2485

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14GW15-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409422-12 File ID: 1409422-12.D

Sampled: 09/23/14 10:30 Prepared: 10/02/14 15:00 Analyzed: 10/02/14 22:55

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	8.5	1.6	5.0	5.0	
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.43	0.10	0.20	5.0	J
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14GW15-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409422-12 File ID: 1409422-12.D

Sampled: 09/23/14 10:30 Prepared: 10/02/14 15:00 Analyzed: 10/02/14 22:55

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.37	0.20	0.20	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.3	103	80 - 119	
1,2-Dichloroethane-d4	40.0	40.4	101	81 - 118	
Toluene-d8	40.0	39.1	98	89 - 112	
4-Bromofluorobenzene	40.0	36.8	92	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14GW15-01

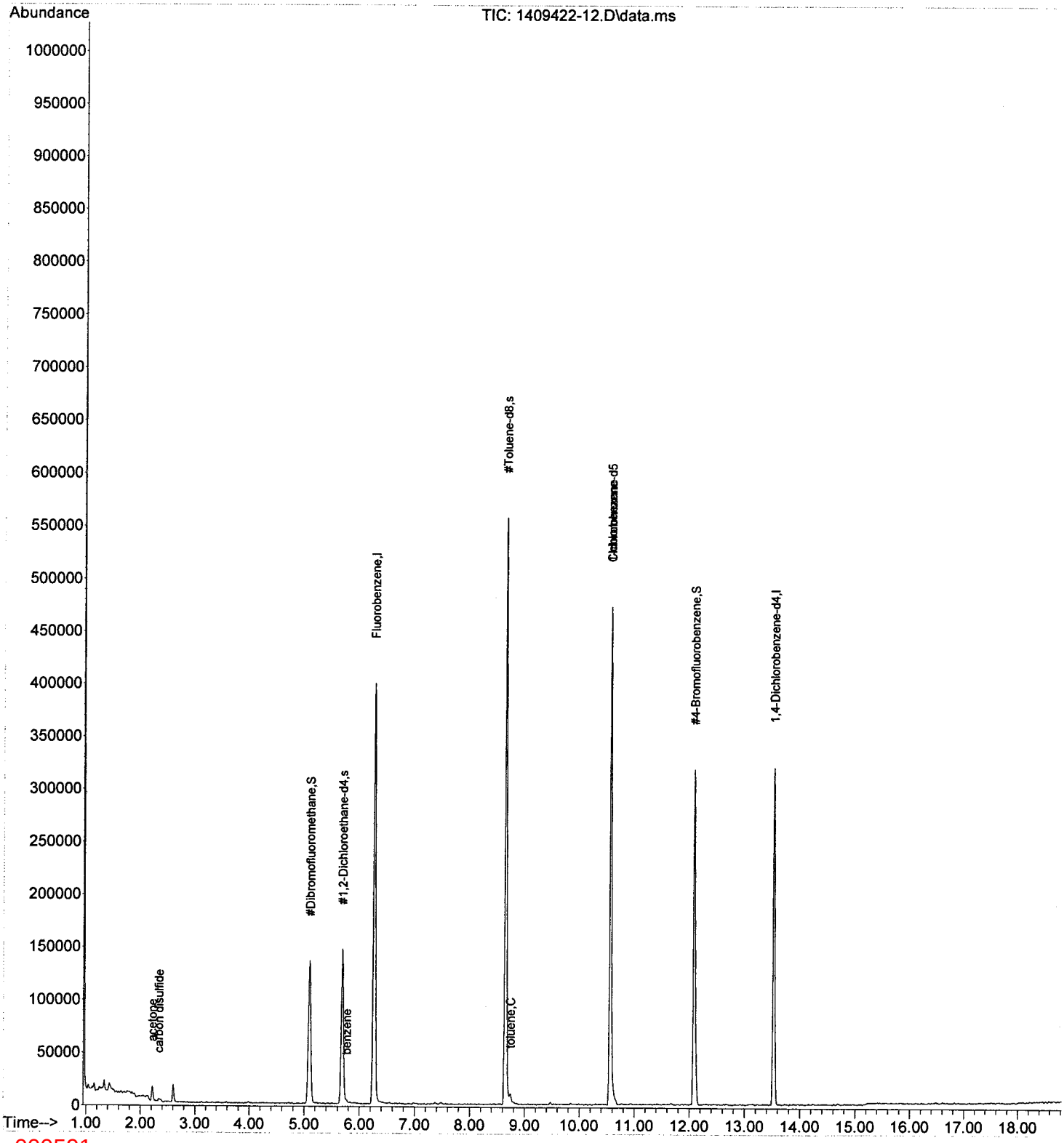
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409422-12
File ID: 1409422-12.D
Sampled: 09/23/14 10:30
Prepared: 10/02/14 15:00
Analyzed: 10/02/14 22:55
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	500261	6.266	523953	6.266	
Chlorobenzene-d5	340284	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	112019	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409422-12.D
Acq On : 02 Oct 2014 22:55
Operator : DLV
Sample : 1409422-12
Misc : AECOM
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Oct 04 11:42:45 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409422-12.D
Acq On : 02 Oct 2014 22:55
Operator : DLV
Sample : 1409422-12
Misc : AECOM
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Oct 04 11:42:45 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.266	96	500261	40.00 ug/L	0.00
50) Chlorobenzene-d5	10.560	117	340284	40.00 ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	112019	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	5.101	111	136724	41.29 ug/L	0.00
Spiked Amount 40.000			Recovery = 103.22%		
37) #1,2-Dichloroethane-d4	5.684	67	83035	40.40 ug/L	0.00
Spiked Amount 40.000			Recovery = 101.00%		
46) #Toluene-d8	8.654	98	476301	39.07 ug/L	0.00
Spiked Amount 40.000			Recovery = 97.67%		
64) #4-Bromofluorobenzene	12.083	95	156083	36.81 ug/L	0.00
Spiked Amount 40.000			Recovery = 92.03%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.	
3) chloromethane	0.000		0	N.D.	
4) vinyl chloride	0.000		0	N.D.	
5) bromomethane	0.000		0	N.D.	
6) chloroethane	0.000		0	N.D.	
7) dichlorofluoromethane	0.000		0	N.D.	
8) trichlorofluoromethane	0.000		0	N.D.	
9) ethyl ether	0.000		0	N.D.	
10) acrolein	0.000		0	N.D.	
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.	
12) 1,1-dichloroethene	0.000		0	N.D.	
13) acetone	2.213	43	15564	8.51 ug/L	96
14) iodomethane	0.000		0	N.D.	
15) carbon disulfide	2.337	76	3731	0.43 ug/L #	74
16) methyl acetate	0.000		0	N.D.	
17) methylene chloride	2.602	49	8664	Below Cal	91
18) acrylonitrile	0.000		0	N.D.	
19) trans-1,2-dichloroethene	0.000		0	N.D.	
20) methyl (tert) butyl ether	0.000		0	N.D.	
21) 1,1-dichloroethane	0.000		0	N.D.	
22) vinyl acetate	0.000		0	N.D.	
23) 2,2-dichloropropane	0.000		0	N.D.	
24) cis-1,2-dichloroethene	0.000		0	N.D.	
25) 2-butanone (MEK)	0.000		0	N.D.	
26) bromochloromethane	0.000		0	N.D.	
27) tetrahydrofuran	0.000		0	N.D.	
28) chloroform	0.000		0	N.D.	
30) 1,1,1-trichloroethane	0.000		0	N.D.	
31) cyclohexane	0.000		0	N.D.	
32) carbon tetrachloride	0.000		0	N.D.	
33) 1,1-dichloropropene	0.000		0	N.D.	
34) benzene	5.766	78	1516	0.10 ug/L #	60
35) 1,2-dichloroethane	0.000		0	N.D.	
36) heptane	6.266	57	17855	No Calib #	
38) trichloroethene	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

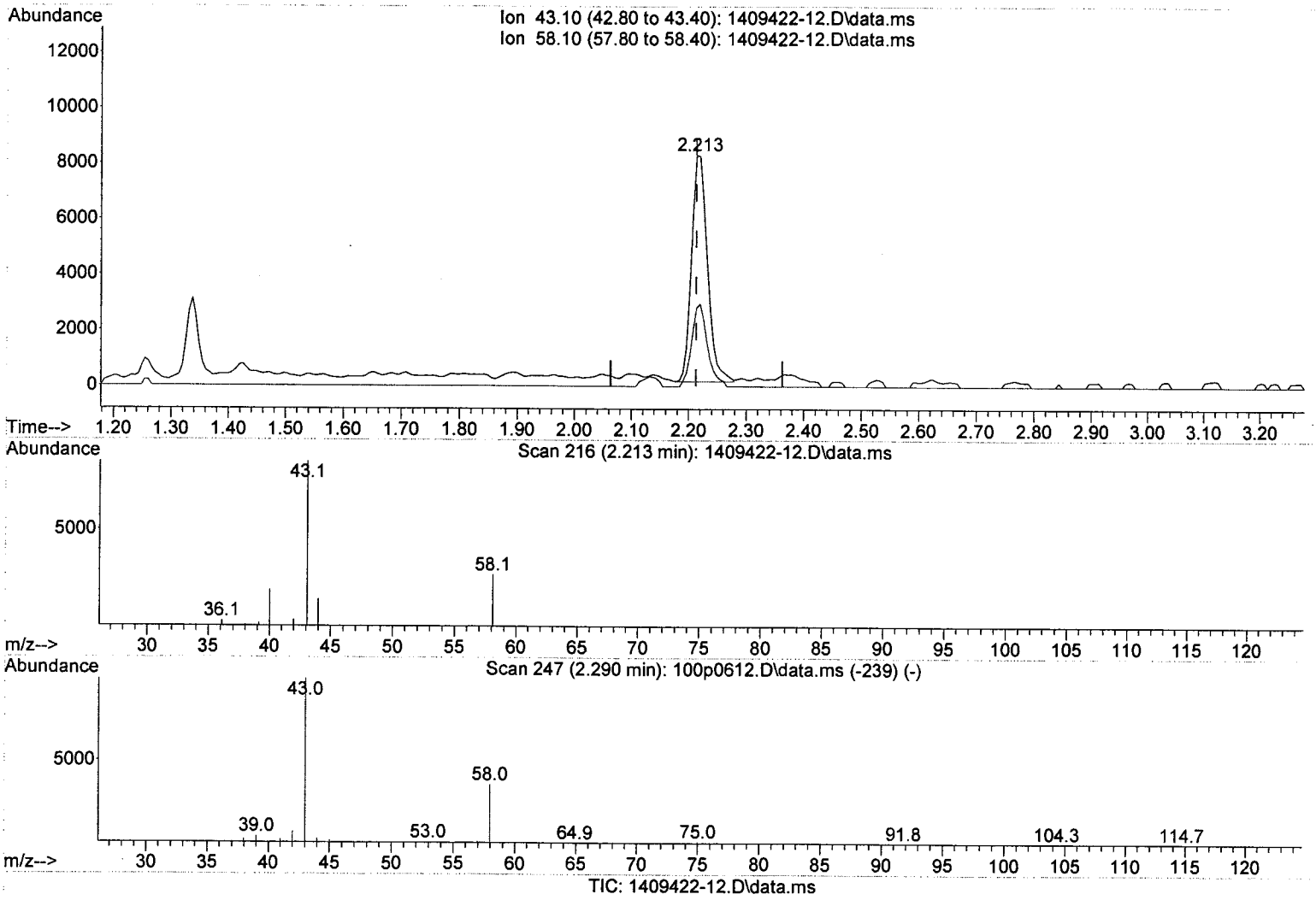
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409422-12.D
Acq On : 02 Oct 2014 22:55
Operator : DLV
Sample : 1409422-12
Misc : AECOM
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Oct 04 11:42:45 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	8.742	91	6200	0.37	ug/L	99
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.560	55	2714	0.79	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	0.000		0	N.D.		
60) m+p-xylene	0.000		0	N.D.		
61) o-xylene	0.000		0	N.D.		
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	0.000		0	N.D.		
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409422-12.D
Acq On : 02 Oct 2014 22:55
Operator : DLV
Sample : 1409422-12
Misc : AECOM
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Oct 03 06:47:28 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



(13) acetone

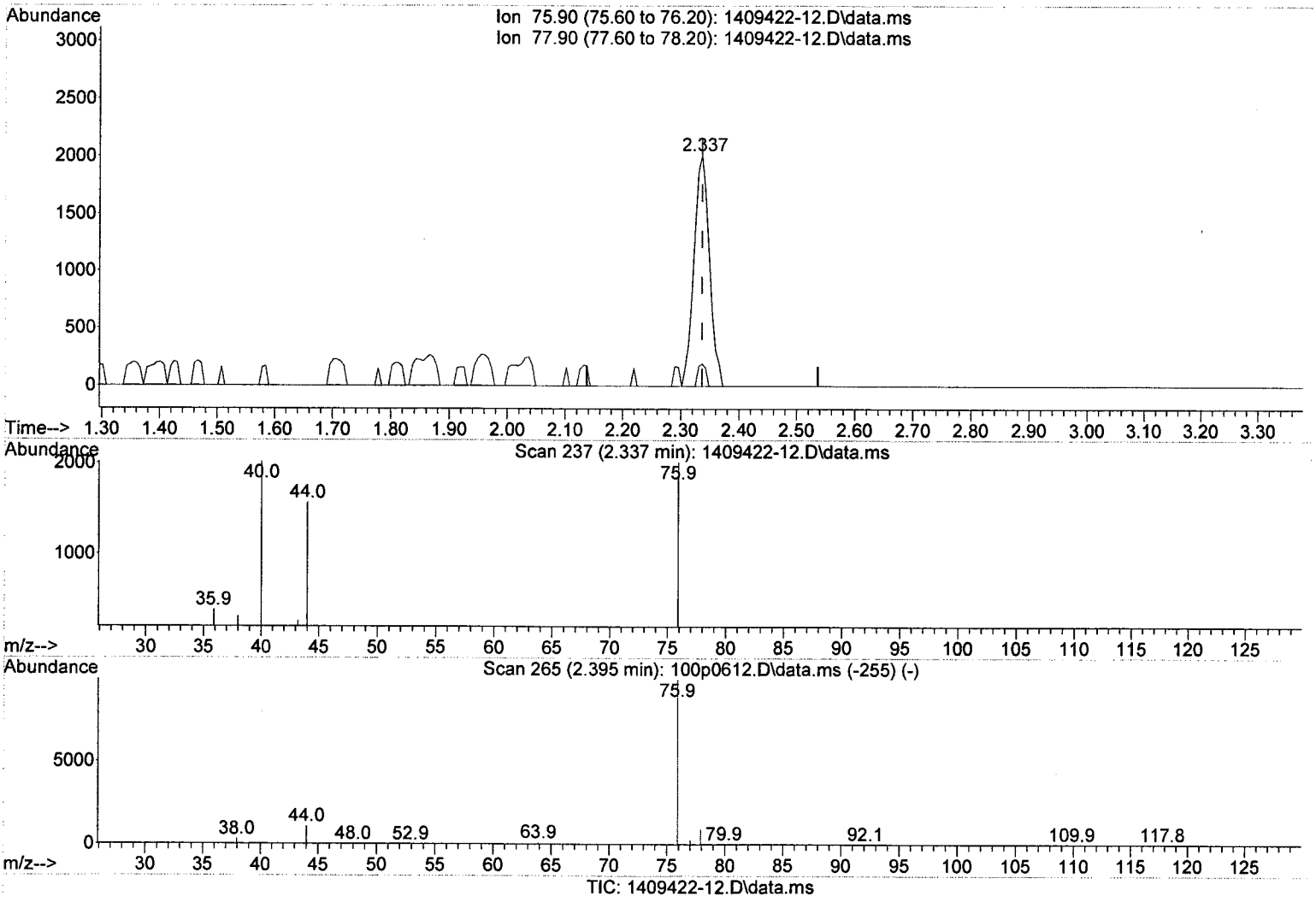
2.213min (+ 0.000) 8.51 ug/L

response 15564

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	36.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409422-12.D
Acq On : 02 Oct 2014 22:55
Operator : DLV
Sample : 1409422-12
Misc : AECOM
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Oct 03 06:47:28 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409422-12.D\data.ms

(15) carbon disulfide

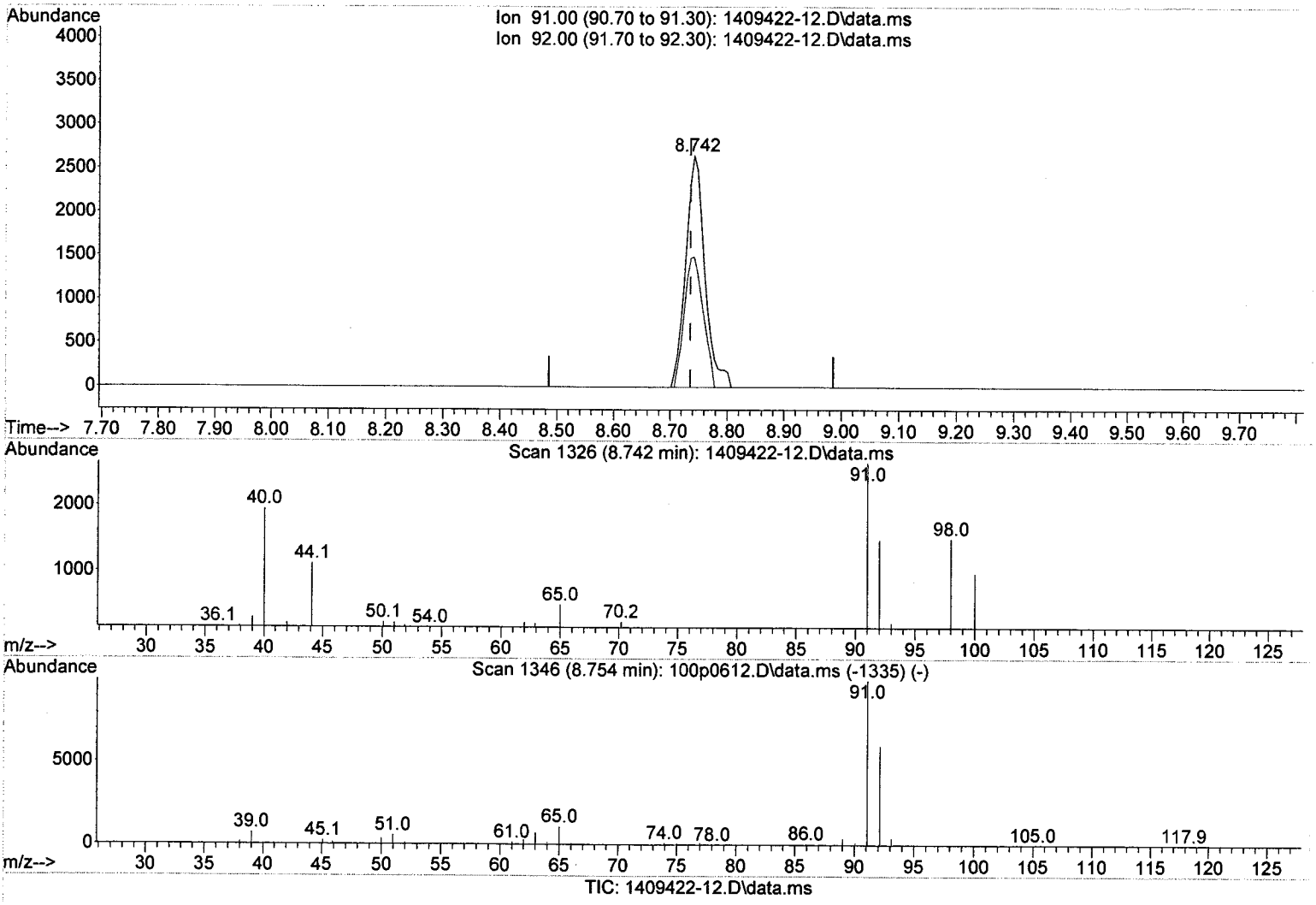
2.337min (-0.000) 0.43 ug/L

response 3731

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409422-12.D
Acq On : 02 Oct 2014 22:55
Operator : DLV
Sample : 1409422-12
Misc : AECOM
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Oct 03 06:47:28 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409422-12.D\data.ms

(47) toluene (C)

8.742min (+ 0.006) 0.37 ug/L

response 6200

Ion	Exp%	Act%
91.00	100.00	100.00
92.00	56.10	55.32
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092314JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1409422-13 File ID: 1409422-13.D

Sampled: 09/23/14 12:00 Prepared: 10/02/14 15:00 Analyzed: 10/02/14 23:21

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	2.5	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092314JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1409422-13 File ID: 1409422-13.D

Sampled: 09/23/14 12:00 Prepared: 10/02/14 15:00 Analyzed: 10/02/14 23:21

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.5	101	80 - 119	
1,2-Dichloroethane-d4	40.0	40.5	101	81 - 118	
Toluene-d8	40.0	39.0	97	89 - 112	
4-Bromofluorobenzene	40.0	36.2	90	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092314JC-001

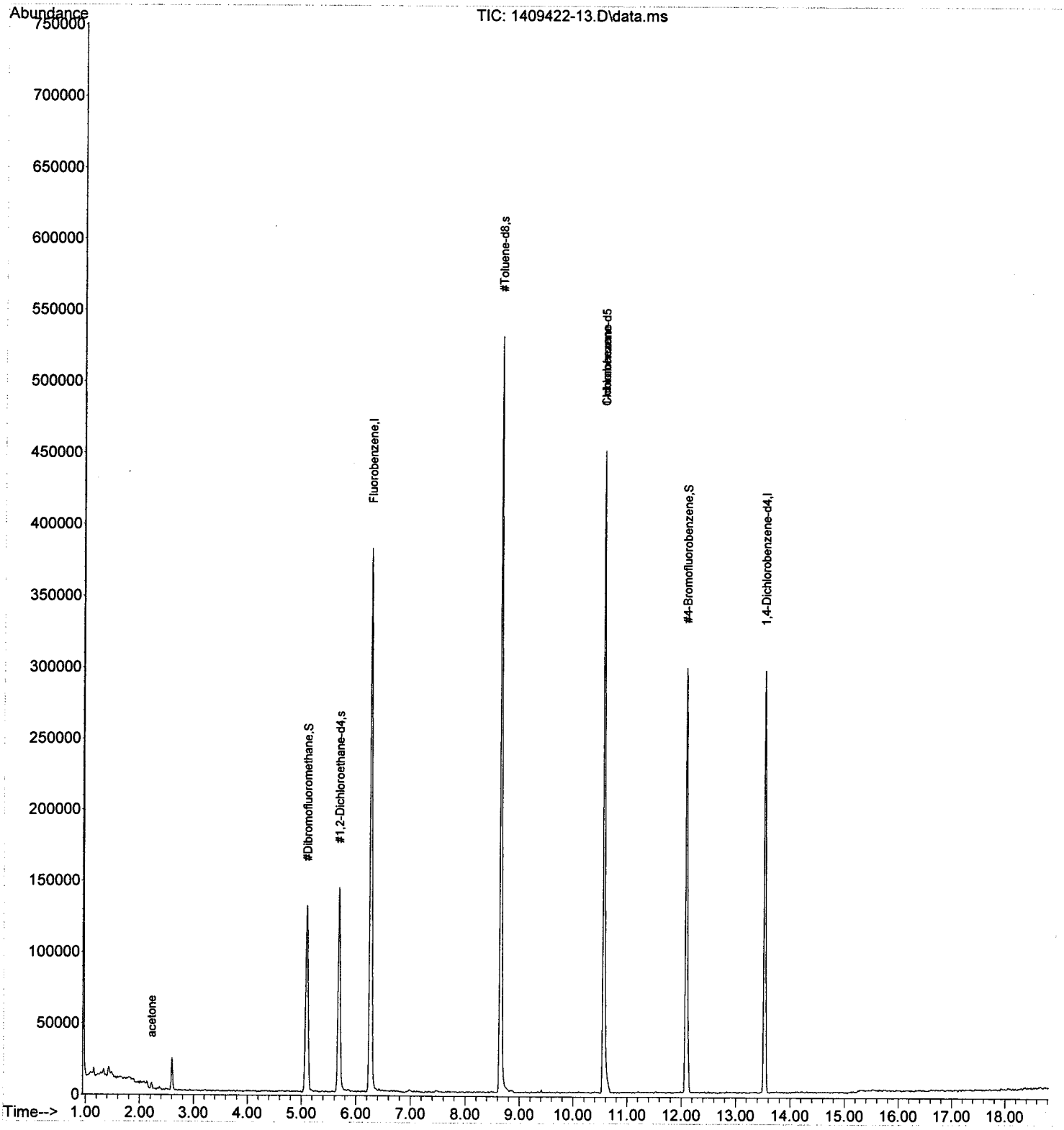
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1409422-13
File ID: 1409422-13.D
Sampled: 09/23/14 12:00
Prepared: 10/02/14 15:00
Analyzed: 10/02/14 23:21
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	481832	6.266	523953	6.266	
Chlorobenzene-d5	325659	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	105193	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409422-13.D
Acq On : 02 Oct 2014 23:21
Operator : DLV
Sample : 1409422-13
Misc : AECOM
ALS Vial : 36 Sample Multiplier: 1
Quant Time: Oct 04 11:42:48 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



000600

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409422-13.D
Acq On : 02 Oct 2014 23:21
Operator : DLV
Sample : 1409422-13
Misc : AECOM
ALS Vial : 36 Sample Multiplier: 1
Quant Time: Oct 04 11:42:48 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	481832	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	325659	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	105193	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	129263	40.53	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.33%			
37) #1,2-Dichloroethane-d4	5.684	67	80256	40.54	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.35%			
46) #Toluene-d8	8.654	98	457508	38.96	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.40%			
64) #4-Bromofluorobenzene	12.083	95	146798	36.17	ug/L	0.00
Spiked Amount 40.000			Recovery = 90.42%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	5820	2.50	ug/L	97
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.601	49	12229	Below Cal		95
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	17093	No Calib	#	
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409422-13.D
Acq On : 02 Oct 2014 23:21
Operator : DLV
Sample : 1409422-13
Misc : AECOM
ALS Vial : 36 Sample Multiplier: 1
Quant Time: Oct 04 11:42:48 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

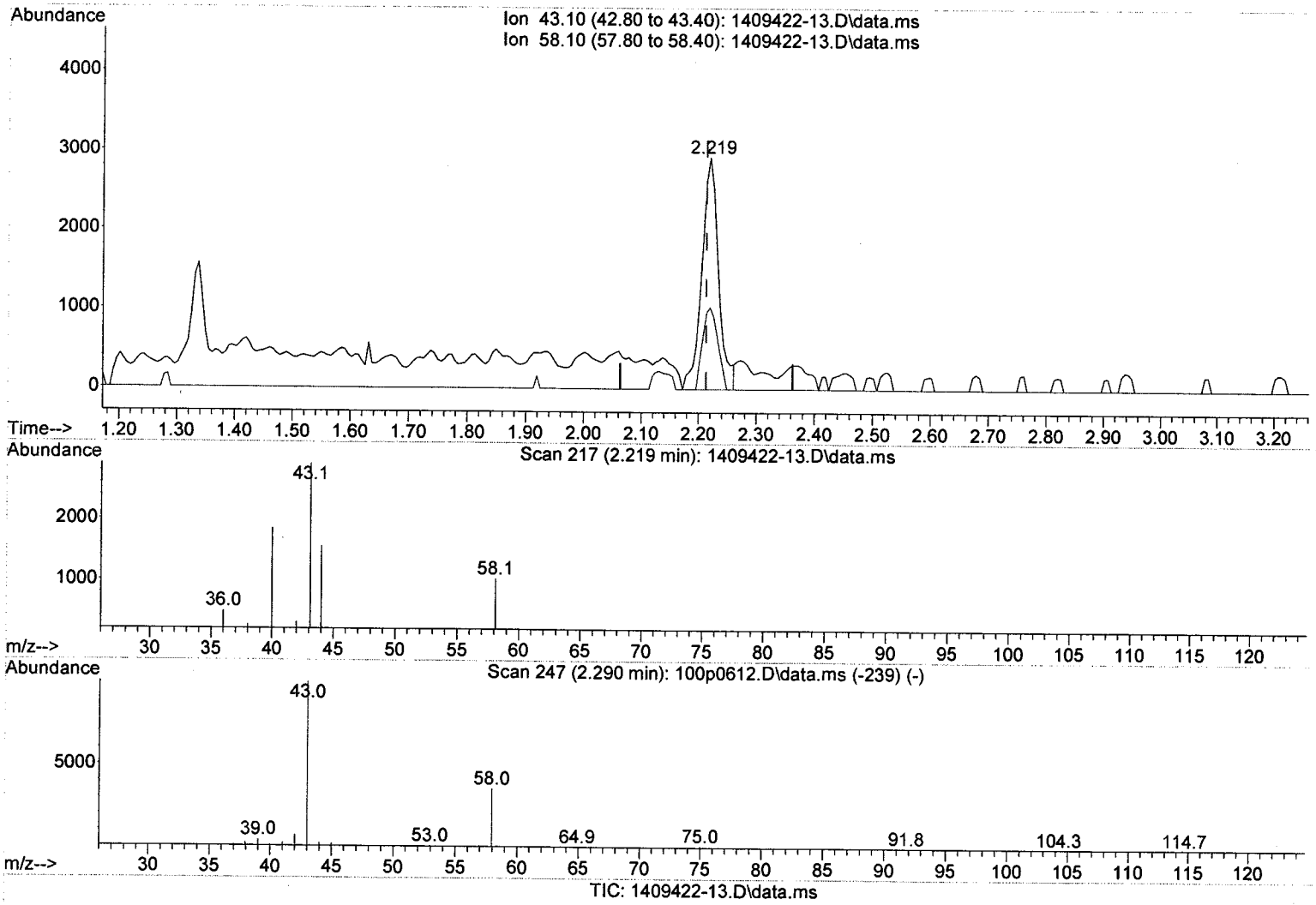
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2577	0.79 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

000602

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409422-13.D
Acq On : 02 Oct 2014 23:21
Operator : DLV
Sample : 1409422-13
Misc : AECOM
ALS Vial : 36 Sample Multiplier: 1
Quant Time: Oct 03 06:47:31 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409422-13.D\data.ms

(13) acetone

2.219min (+ 0.006) 2.50 ug/L

response 5820

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	31.80
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092414JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1409444-01 File ID: 1409444-01.D

Sampled: 09/24/14 12:00 Prepared: 10/02/14 15:00 Analyzed: 10/02/14 23:47

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	2.2	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092414JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1409444-01 File ID: 1409444-01.D

Sampled: 09/24/14 12:00 Prepared: 10/02/14 15:00 Analyzed: 10/02/14 23:47

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	39.6	99	80 - 119	
1,2-Dichloroethane-d4	40.0	40.5	101	81 - 118	
Toluene-d8	40.0	38.5	96	89 - 112	
4-Bromofluorobenzene	40.0	36.2	90	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092414JC-001

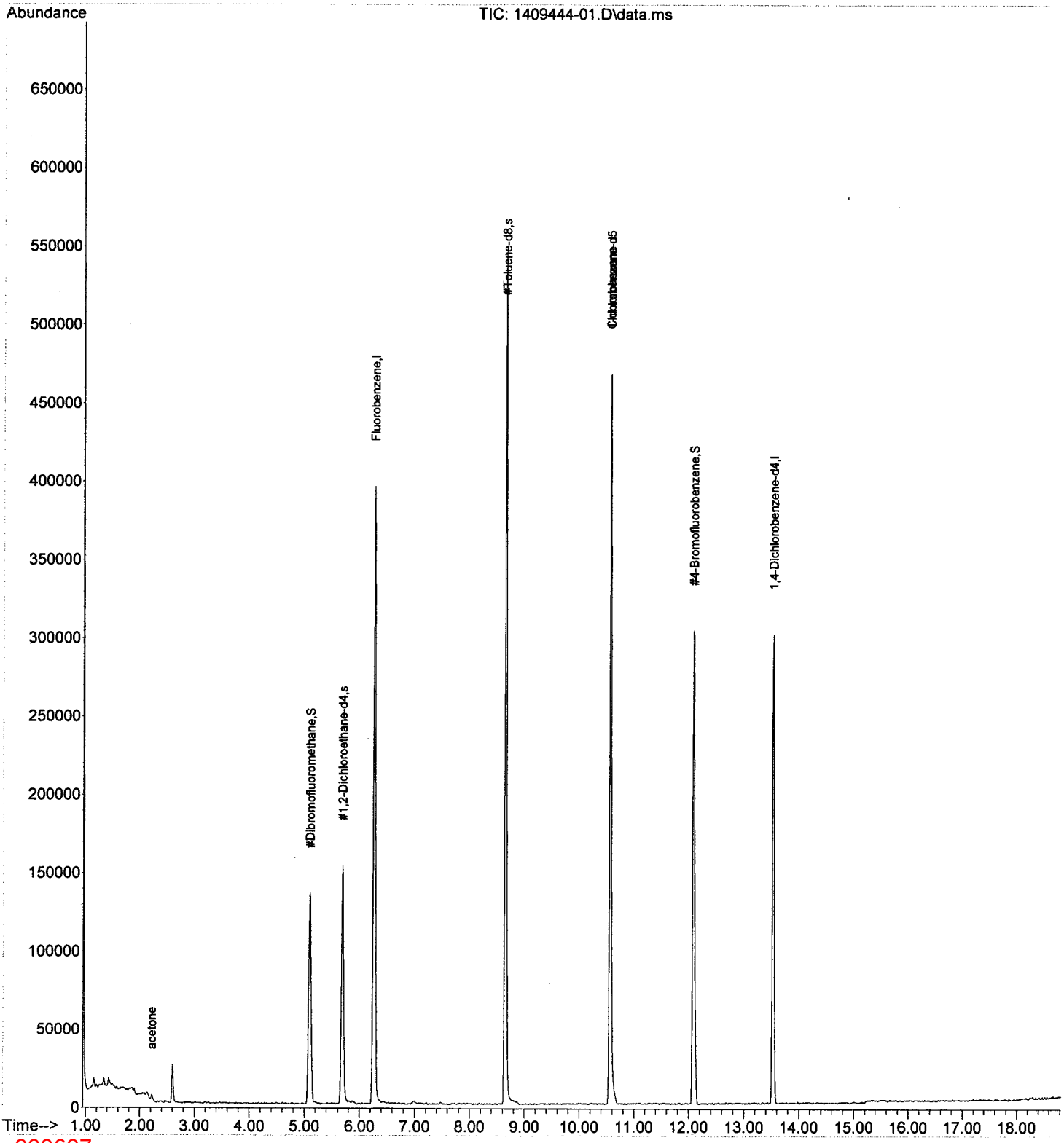
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1409444-01
File ID: 1409444-01.D
Sampled: 09/24/14 12:00
Prepared: 10/02/14 15:00
Analyzed: 10/02/14 23:47
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	505044	6.266	523953	6.266	
Chlorobenzene-d5	340071	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	107526	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-01.D
Acq On : 02 Oct 2014 23:47
Operator : DLV
Sample : 1409444-01
Misc : AECOM
ALS Vial : 37 Sample Multiplier: 1
Quant Time: Oct 04 11:42:51 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-01.D
Acq On : 02 Oct 2014 23:47
Operator : DLV
Sample : 1409444-01
Misc : AECOM
ALS Vial : 37 Sample Multiplier: 1
Quant Time: Oct 04 11:42:51 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	505044	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	340071	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	107526	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.101	111	132403	39.61	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.02%				
37) #1,2-Dichloroethane-d4	5.684	67	84102	40.53	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.33%				
46) #Toluene-d8	8.654	98	474161	38.52	ug/L		0.00
Spiked Amount 40.000			Recovery = 96.30%				
64) #4-Bromofluorobenzene	12.083	95	153361	36.19	ug/L		0.00
Spiked Amount 40.000			Recovery = 90.47%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.219	43	5626	2.20	ug/L		98
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.602	49	13982	Below Cal			94
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	0.000		0	N.D.			
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	6.266	57	17394	No Calib		#	
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

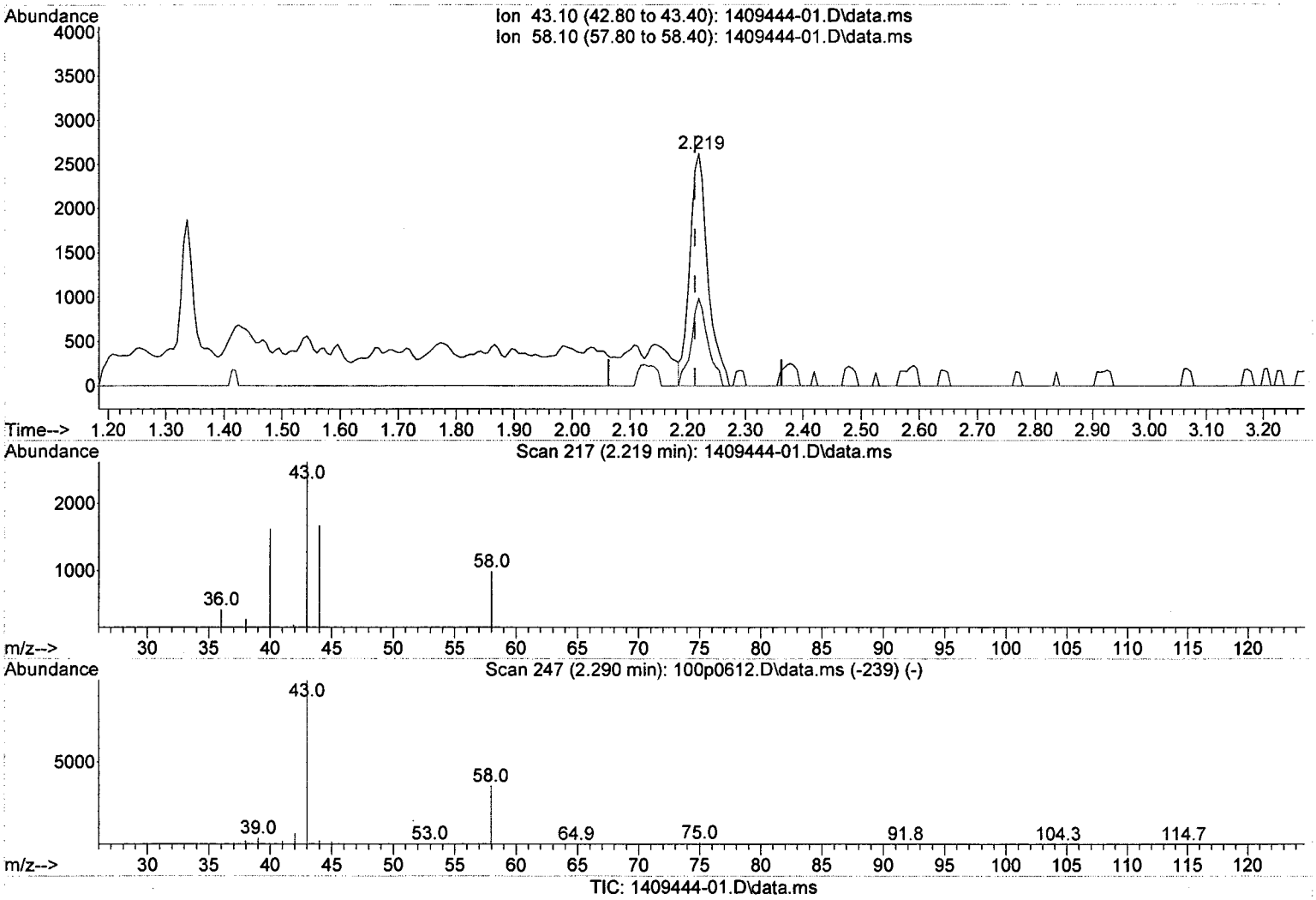
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-01.D
Acq On : 02 Oct 2014 23:47
Operator : DLV
Sample : 1409444-01
Misc : AECOM
ALS Vial : 37 Sample Multiplier: 1
Quant Time: Oct 04 11:42:51 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	0.000		0	N.D.			
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	0.000		0	N.D.			
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.560	55	2570	0.75	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	0.000		0	N.D.			
60)	m+p-xylene	0.000		0	N.D.			
61)	o-xylene	0.000		0	N.D.			
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	0.000		0	N.D.			
77)	sec-butylbenzene	0.000		0	N.D.			
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-01.D
Acq On : 02 Oct 2014 23:47
Operator : DLV
Sample : 1409444-01
Misc : AECOM
ALS Vial : 37 Sample Multiplier: 1
Quant Time: Oct 03 06:47:34 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-01.D\data.ms

(13) acetone

2.219min (+ 0.006) 2.20 ug/L

response 5626

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	34.93
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14GW20-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409444-02 File ID: 1409444-02.D

Sampled: 09/24/14 09:30 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 00:14

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	14	1.6	5.0	5.0	
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	9.2	0.11	0.20	1.0	
135-98-8	sec-Butylbenzene	1	5.5	0.12	0.50	1.0	
98-06-6	tert-Butylbenzene	1	0.64	0.13	0.50	1.0	J
75-15-0	Carbon Disulfide	1	0.44	0.10	0.20	5.0	J
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.45	0.20	0.20	1.0	J
541-73-1	1,3-Dichlorobenzene	1	0.16	0.10	0.20	1.0	J
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14GW20-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409444-02 File ID: 1409444-02.D

Sampled: 09/24/14 09:30 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 00:14

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	110	0.20	0.20	1.0	
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	24	0.14	0.50	1.0	
99-87-6	4-Isopropyltoluene	1	5.4	0.14	0.50	1.0	
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	63	0.12	0.50	5.0	
103-65-1	n-Propylbenzene	1	27	0.16	0.50	1.0	
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.51	0.20	0.20	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	160	0.15	0.50	1.0	
108-67-8	1,3,5-Trimethylbenzene	1	41	0.13	0.50	1.0	
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	390	0.22	0.40	2.0	
95-47-6	Xylene, Ortho	1	3.9	0.12	0.50	1.0	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	39.2	98	80 - 119	
1,2-Dichloroethane-d4	40.0	40.1	100	81 - 118	
Toluene-d8	40.0	39.5	99	89 - 112	
4-Bromofluorobenzene	40.0	40.0	100	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14GW20-01

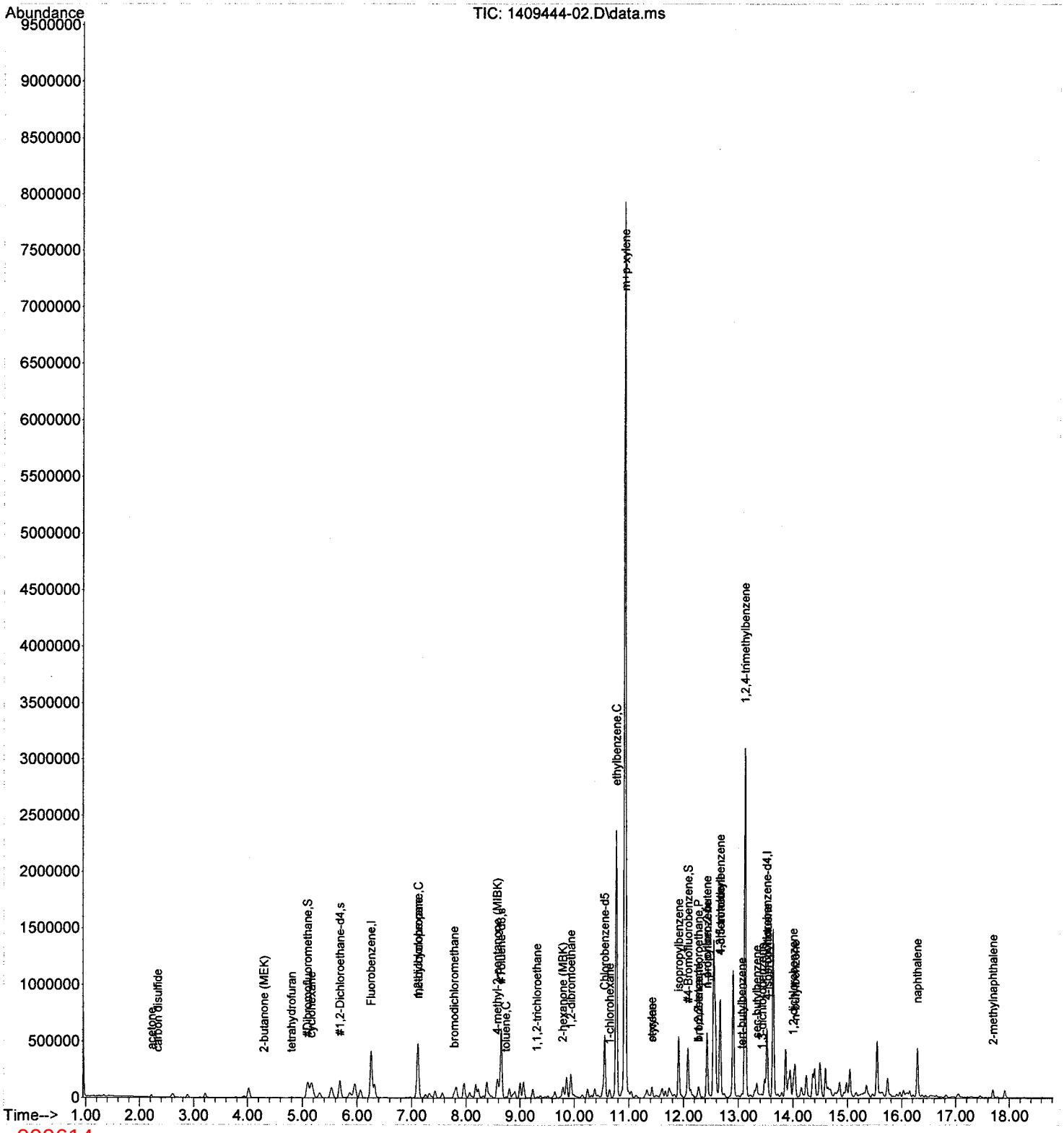
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409444-02
File ID: 1409444-02.D
Sampled: 09/24/14 09:30
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 00:14
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	514427	6.26	523953	6.266	
Chlorobenzene-d5	356247	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	165674	13.525	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 04 11:42:54 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 04 11:42:54 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.260	96	514427	40.00 ug/L	0.00
50) Chlorobenzene-d5	10.560	117	356247	40.00 ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	165674	40.00 ug/L	0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	5.096	111	133482	39.21 ug/L	0.00
Spiked Amount 40.000			Recovery =	98.03%	
37) #1,2-Dichloroethane-d4	5.684	67	84781	40.11 ug/L	0.00
Spiked Amount 40.000			Recovery =	100.28%	
46) #Toluene-d8	8.648	98	495584	39.53 ug/L	0.00
Spiked Amount 40.000			Recovery =	98.83%	
64) #4-Bromofluorobenzene	12.083	95	177684	40.03 ug/L	0.00
Spiked Amount 40.000			Recovery =	100.08%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.	
3) chloromethane	0.000		0	N.D.	
4) vinyl chloride	0.000		0	N.D.	
5) bromomethane	0.000		0	N.D.	
6) chloroethane	0.000		0	N.D.	
7) dichlorofluoromethane	0.000		0	N.D.	
8) trichlorofluoromethane	0.000		0	N.D.	
9) ethyl ether	0.000		0	N.D.	
10) acrolein	0.000		0	N.D.	
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.	
12) 1,1-dichloroethene	0.000		0	N.D.	
13) acetone	2.219	43	25282	14.20 ug/L	99
14) iodomethane	0.000		0	N.D.	
15) carbon disulfide	2.337	76	3862	0.44 ug/L #	74
16) methyl acetate	0.000		0	N.D.	
17) methylene chloride	2.602	49	12406	Below Cal	94
18) acrylonitrile	0.000		0	N.D.	
19) trans-1,2-dichloroethene	0.000		0	N.D.	
20) methyl (tert) butyl ether	0.000		0	N.D.	
21) 1,1-dichloroethane	0.000		0	N.D.	
22) vinyl acetate	0.000		0	N.D.	
23) 2,2-dichloropropane	0.000		0	N.D.	
24) cis-1,2-dichloroethene	0.000		0	N.D.	
25) 2-butanone (MEK)	4.301	43	2715	~~1.23~~ ug/L #	49
26) bromochloromethane	0.000		0	N.D.	
27) tetrahydrofuran	4.801	71	4897	8.02 ug/L #	1
28) chloroform	0.000		0	N.D.	
30) 1,1,1-trichloroethane	0.000		0	N.D.	
31) cyclohexane	5.160	56	100946	15.54 ug/L	93
32) carbon tetrachloride	0.000		0	N.D.	
33) 1,1-dichloropropene	0.000		0	N.D.	
34) benzene	0.000		0	N.D.	
35) 1,2-dichloroethane	0.000		0	N.D.	
36) heptane	6.266	57	18762	No Calib	
38) trichloroethene	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

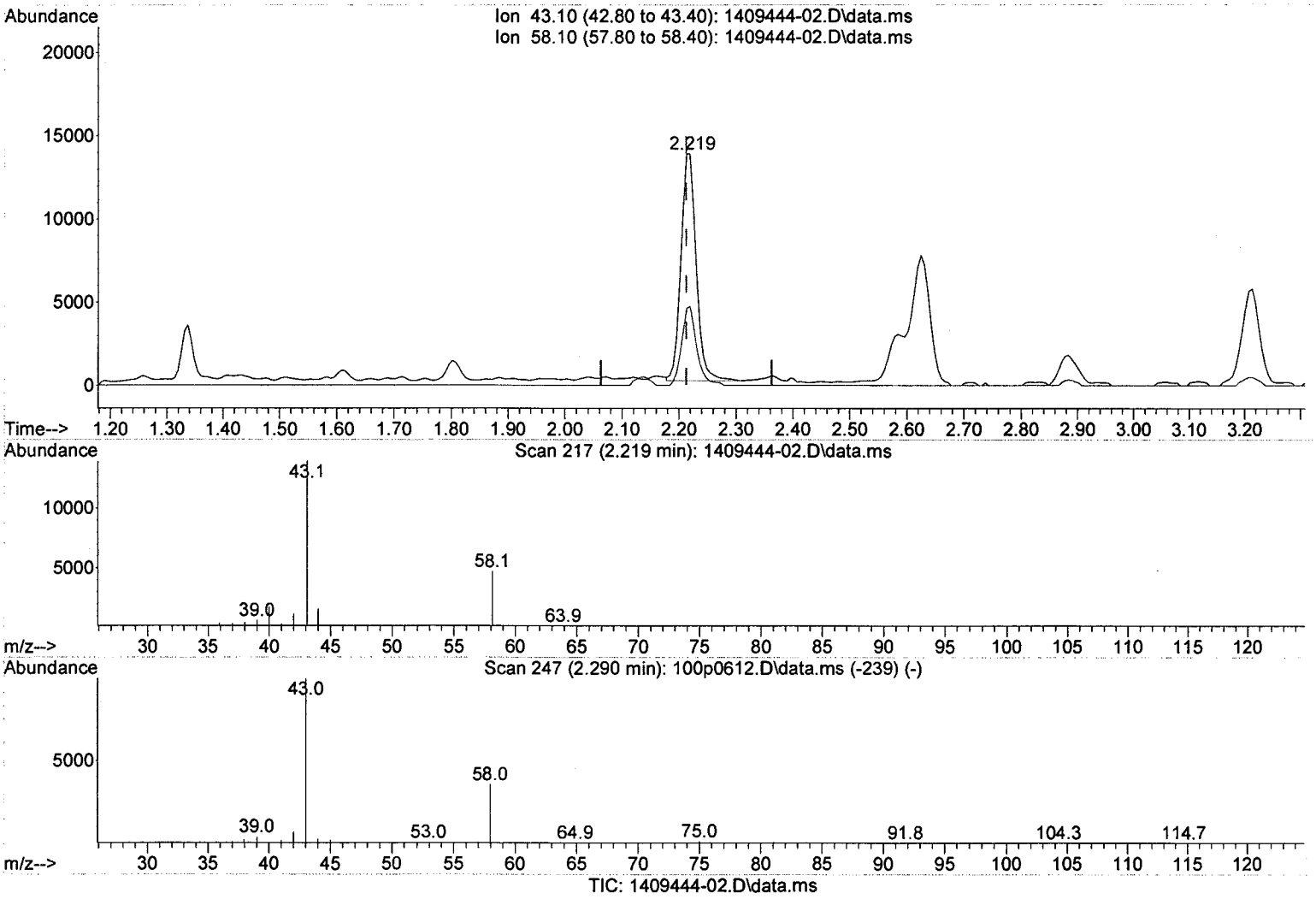
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 04 11:42:54 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	7.119	83	245294	40.38 ug/L	95
40)	1,2-dichloropropane	7.119	63	2214	0.50 ug/L #	89
41)	dibromomethane	0.000		0	N.D.	
42)	bromodichloromethane	7.778	83	2961	0.56 ug/L #	26
43)	2-chloroethyl vinyl ether	0.000		0	N.D.	
44)	cis-1,3-dichloropropene	0.000		0	N.D.	
45)	4-methyl-2-pentanone (...	8.578	43	15889	3.52 ug/L #	49
47)	toluene	8.737	91	8732	0.51 ug/L	99
48)	trans-1,3-dichloropropene	0.000		0	N.D.	
49)	1,1,2-trichloroethane	9.313	83	2671	0.74 ug/L #	4
51)	tetrachloroethene	0.000		0	N.D.	
52)	1,3-dichloropropane	0.000		0	N.D.	
53)	2-hexanone (MBK)	9.795	43	11854	3.60 ug/L #	1
54)	dibromochloromethane	0.000		0	N.D.	
55)	1,2-dibromoethane	9.942	109	1820	0.50 ug/L #	100
56)	chlorobenzene	0.000		0	N.D.	
57)	1-chlorohexane	10.648	55	5803	1.62 ug/L #	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59)	ethylbenzene	10.772	91	2010384	111.65 ug/L	98
60)	m+p-xylene	10.931	106	2606257	392.92 ug/L	100
61)	o-xylene	11.425	106	25304	3.87 ug/L	98
62)	styrene	11.431	104	1919	0.17 ug/L #	1
63)	bromoform	0.000		0	N.D.	
66)	isopropylbenzene	11.913	105	407427	23.95 ug/L	99
67)	bromobenzene	12.278	77	1728	0.23 ug/L #	20
68)	1,1,2,2-tetrachloroethane	12.272	83	7853	0.16 ug/L #	18
69)	1,2,3-trichloropropane	0.000		0	N.D.	
70)	1,4-dichloro-2-butene	12.430	53	3936	3.94 ug/L #	70
71)	n-propylbenzene	12.436	120	118039	26.64 ug/L	100
72)	2-chlorotoluene	0.000		0	N.D.	
73)	1,3,5-trimethylbenzene	12.672	105	571094	40.93 ug/L	99
74)	4-chlorotoluene	12.672	91	59333	4.20 ug/L #	45
75)	tert-butylbenzene	13.066	119	7450	0.64 ug/L	97
76)	1,2,4-trimethylbenzene	13.125	105	2052125	156.69 ug/L	100
77)	sec-butylbenzene	13.342	105	92051	5.49 ug/L	99
78)	1,3-dichlorobenzene	13.436	146	1230	0.16 ug/L #	5
79)	4-isopropyltoluene	13.536	119	70044	5.40 ug/L	97
80)	1,4-dichlorobenzene	0.000		0	N.D.	
81)	1,2-dichlorobenzene	14.007	146	3310	0.45 ug/L #	66
82)	n-butylbenzene	14.042	91	84108	9.19 ug/L #	34
83)	hexachloroethane	0.000		0	N.D.	
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85)	1,2,4-trichlorobenzene	0.000		0	N.D.	
86)	hexachlorobutadiene	0.000		0	N.D.	
87)	naphthalene	16.289	128	395218	63.23 ug/L	99
88)	1,2,3-trichlorobenzene	0.000		0	N.D.	
89)	2-methylnaphthalene	17.695	142	37534	35.72 ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(13) acetone

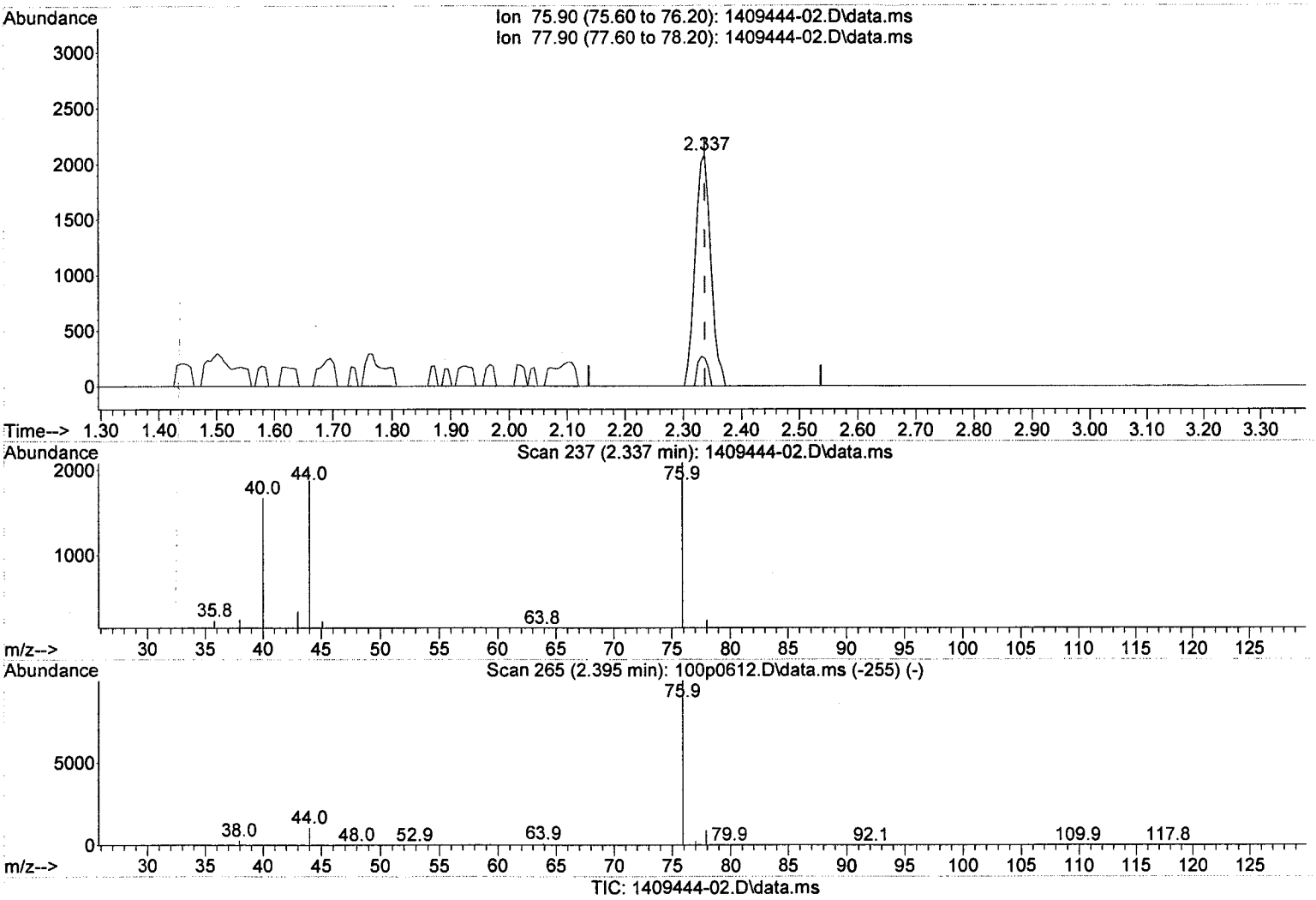
2.219min (+ 0.006) 14.20 ug/L

response 25282

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	34.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(15) carbon disulfide

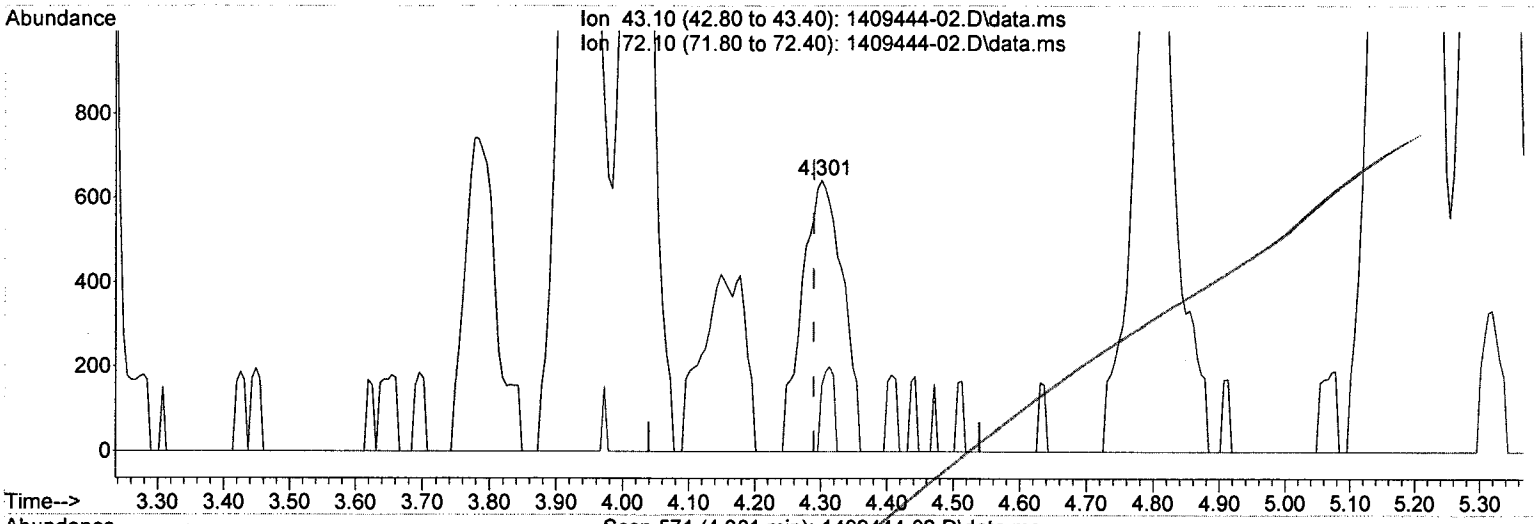
2.337min (-0.000) 0.44 ug/L

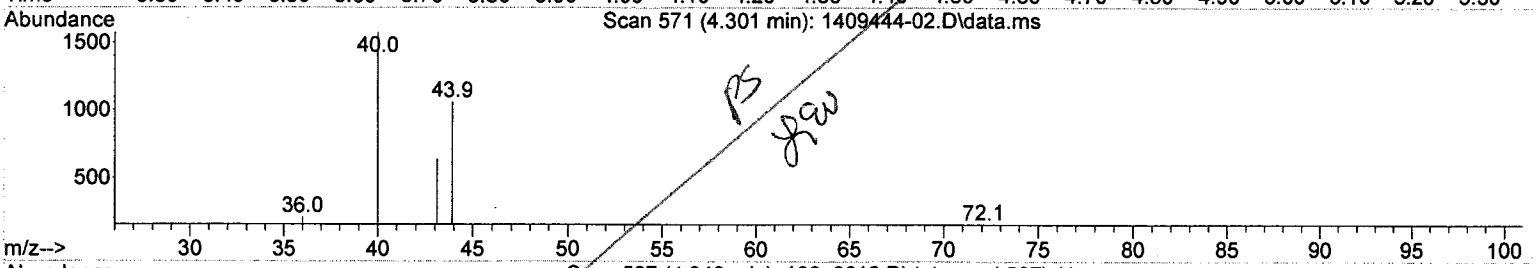
response 3862

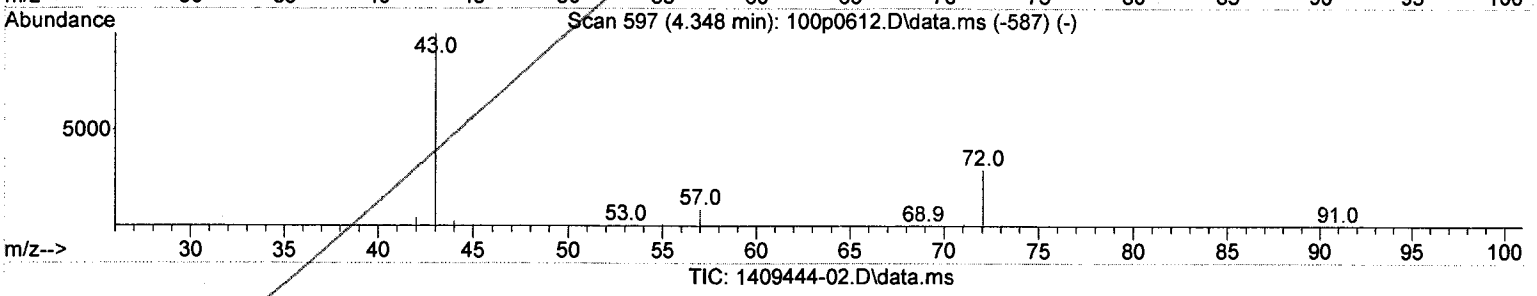
Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(25) 2-butanone (MEK)

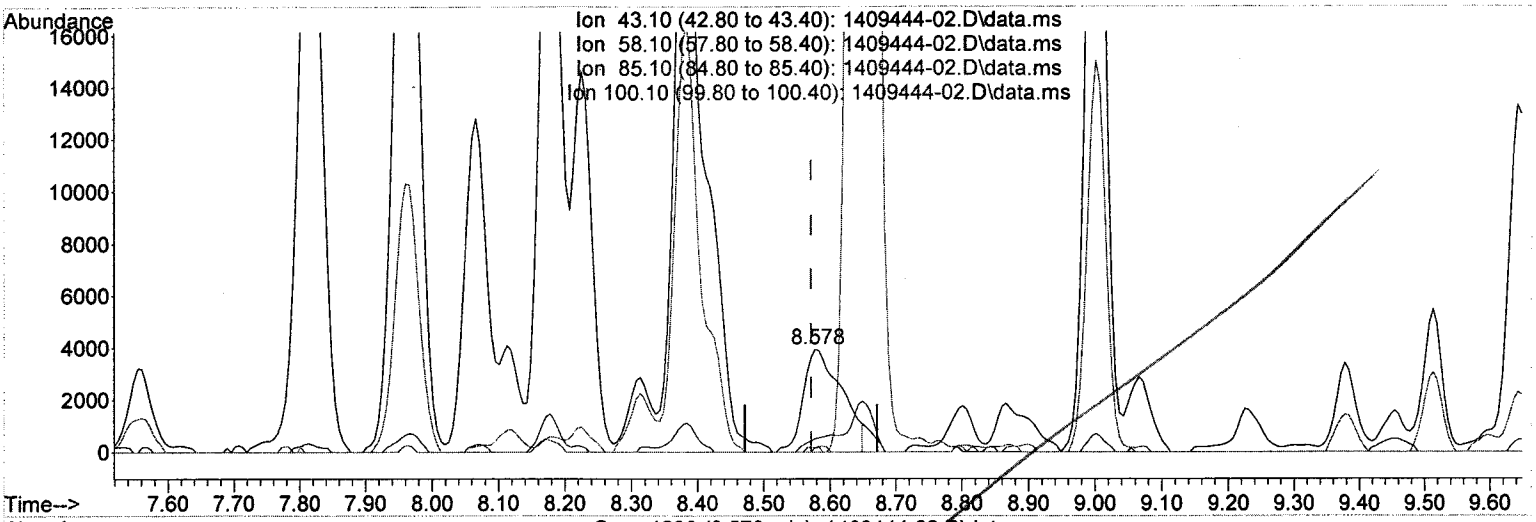
4.301min (+ 0.011) 1.23 ug/L

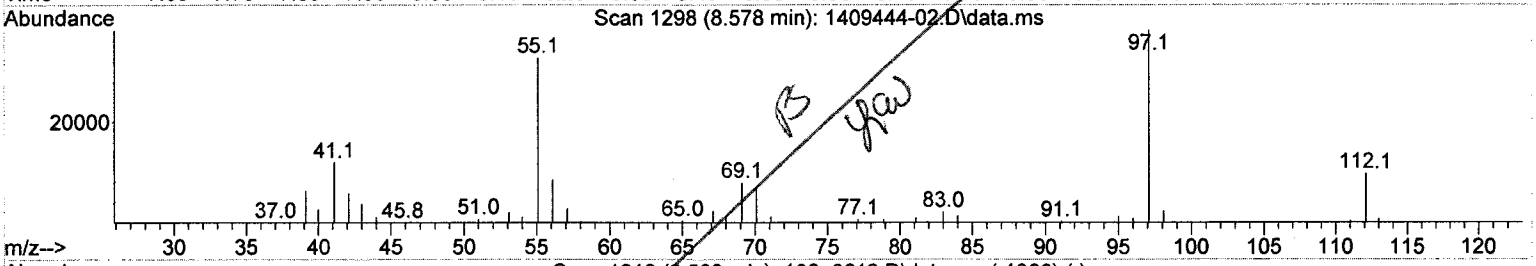
response 2715

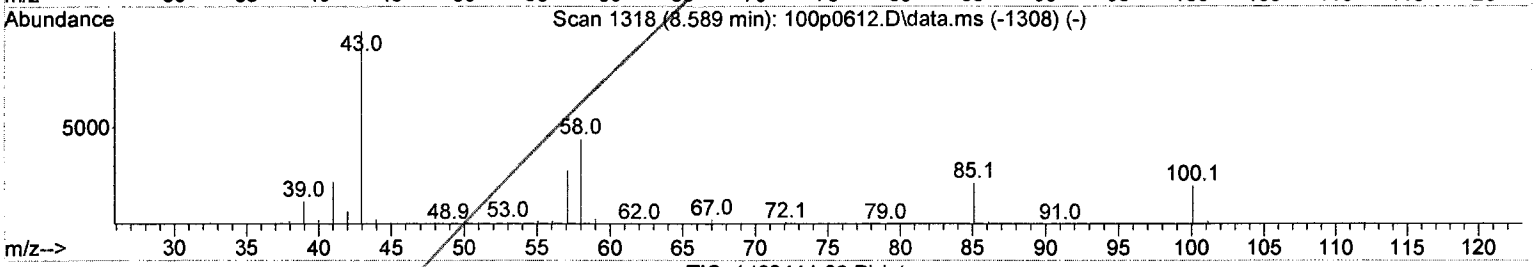
Ion	Exp%	Act%
43.10	100.00	100.00
72.10	26.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(45) 4-methyl-2-pentanone (MIBK)

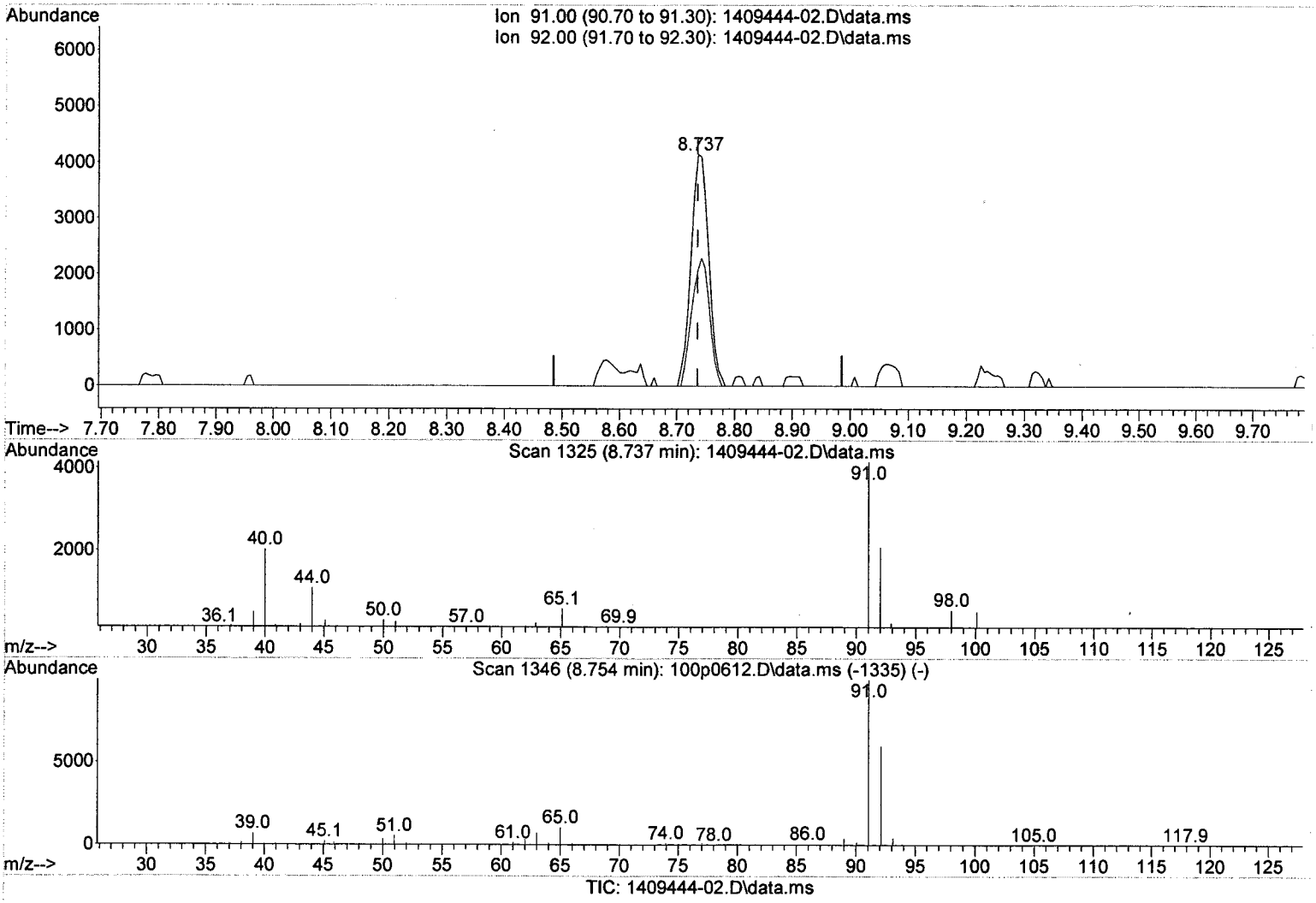
8.578min (+ 0.006) 3.59 ug/L

response 15889

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	37.80	0.00#
85.10	16.50	0.00
100.10	13.40	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(47) toluene (C)

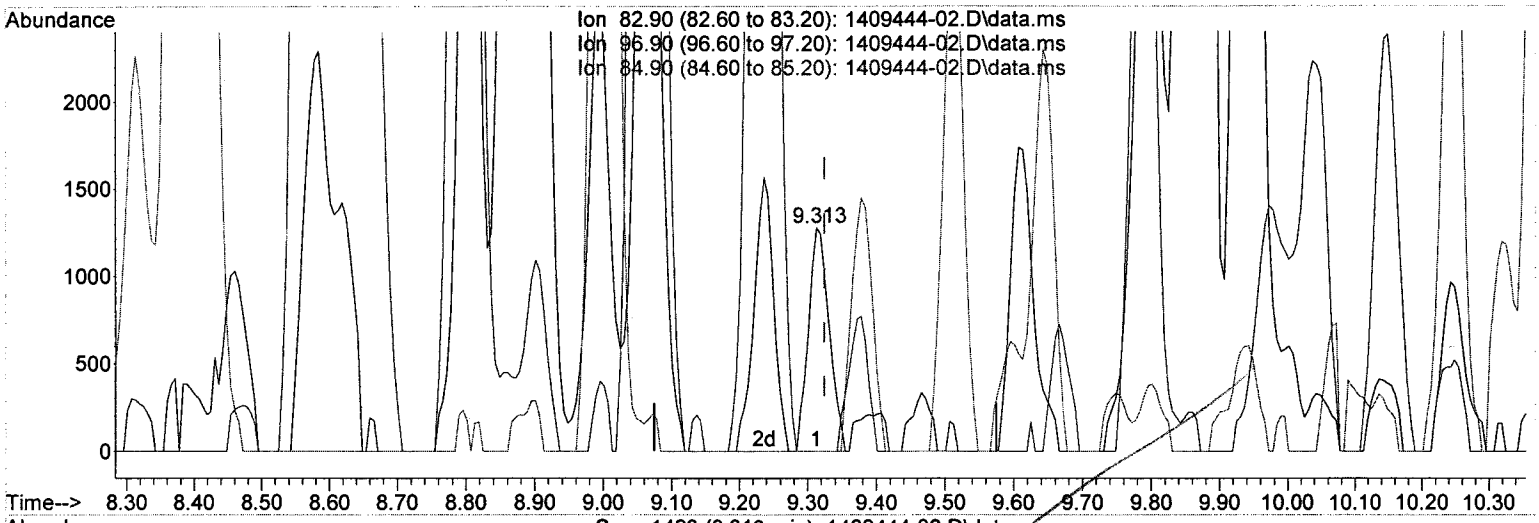
8.737min (+ 0.001) 0.51 ug/L

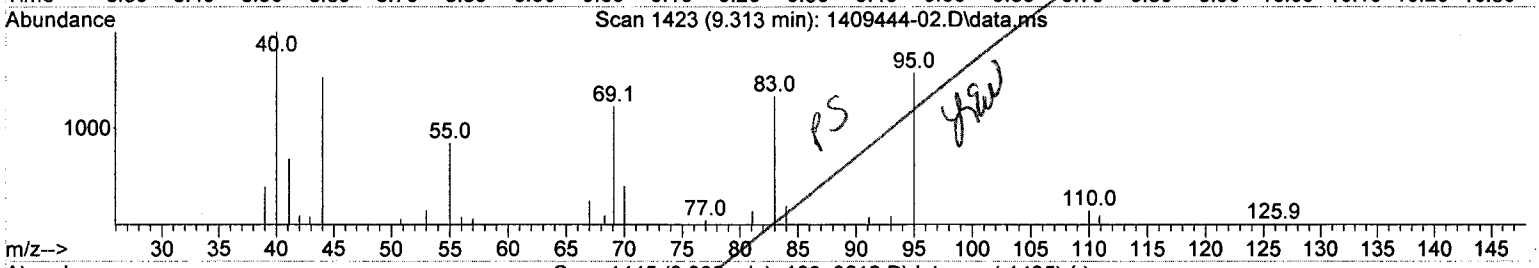
response 8732

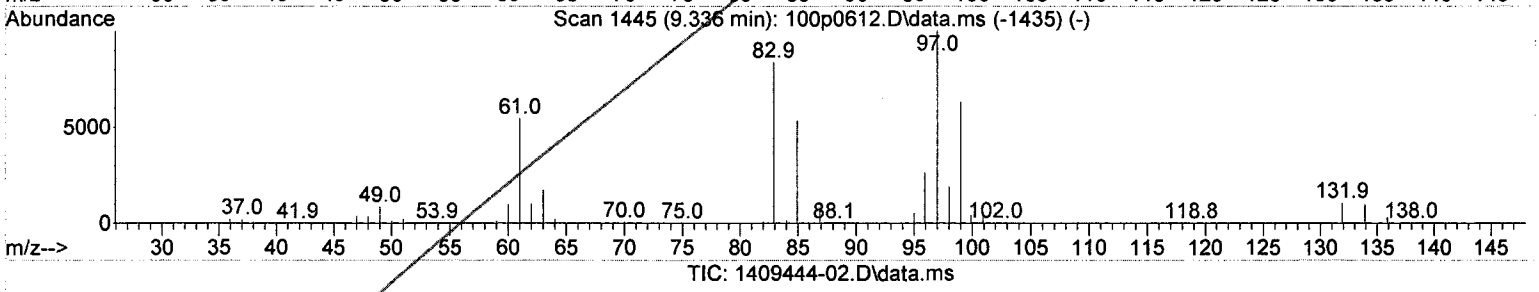
Ion	Exp%	Act%
91.00	100.00	100.00
92.00	56.10	55.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(49) 1,1,2-trichloroethane

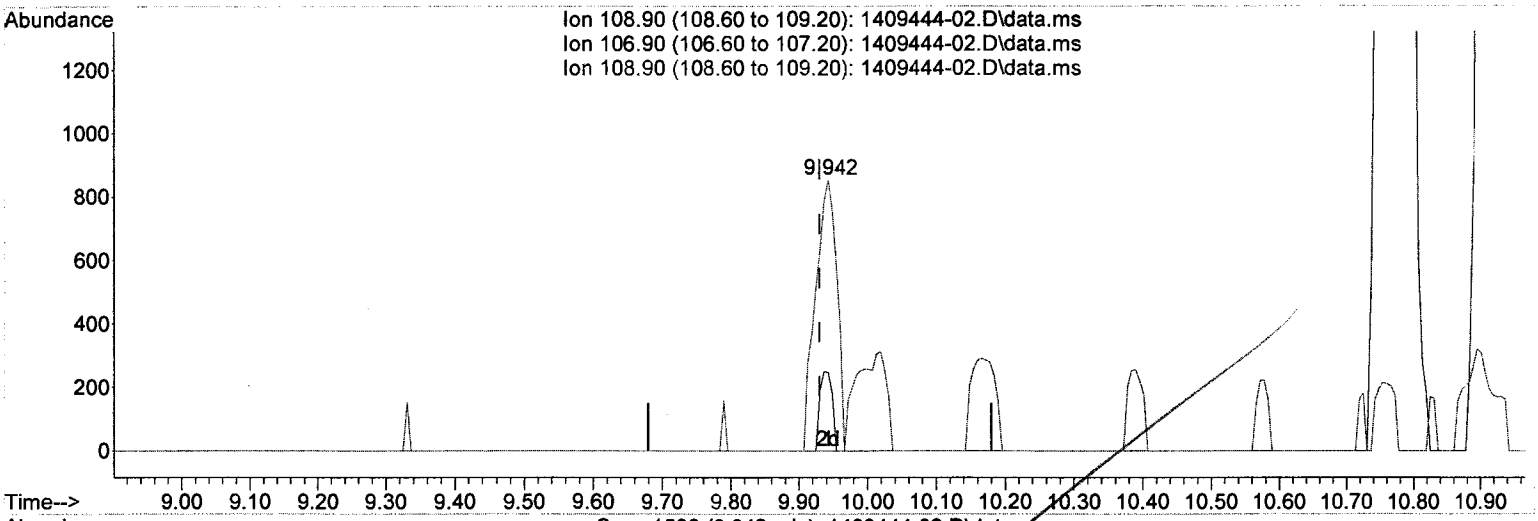
9.313min (-0.012) 0.74 ug/L

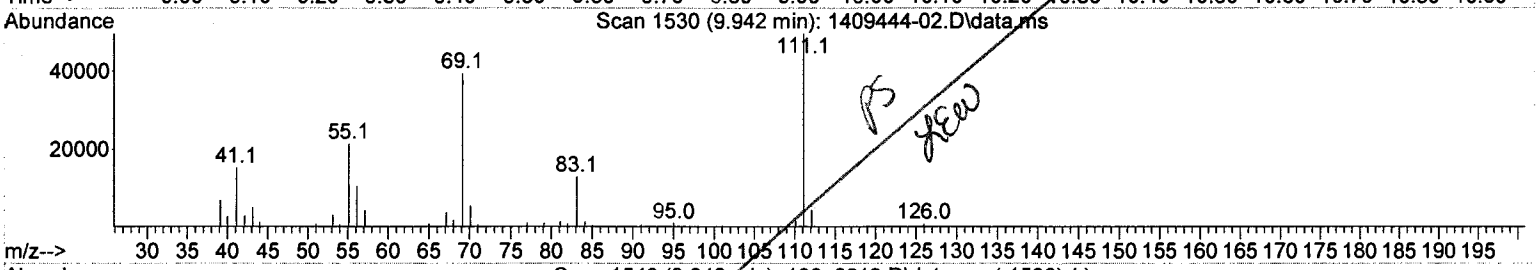
response 2671

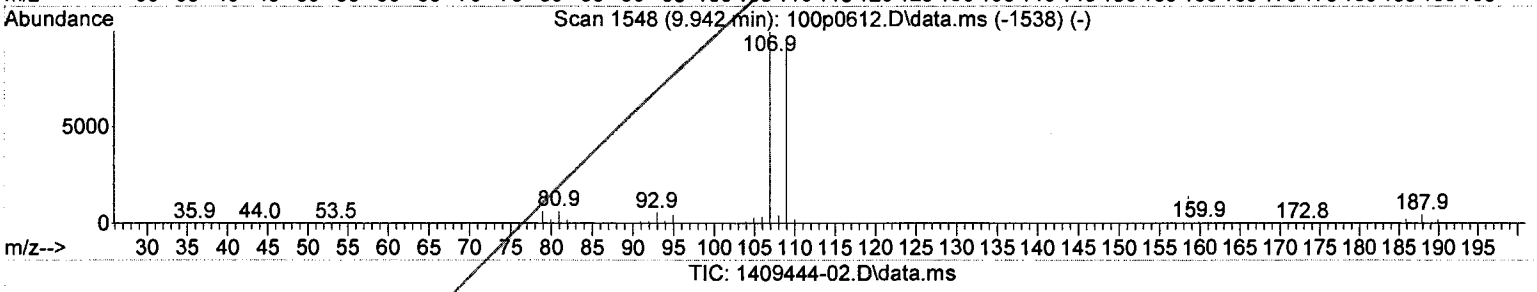
Ion	Exp%	Act%
82.90	100.00	100.00
96.90	110.20	0.00#
84.90	63.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(55) 1,2-dibromoethane

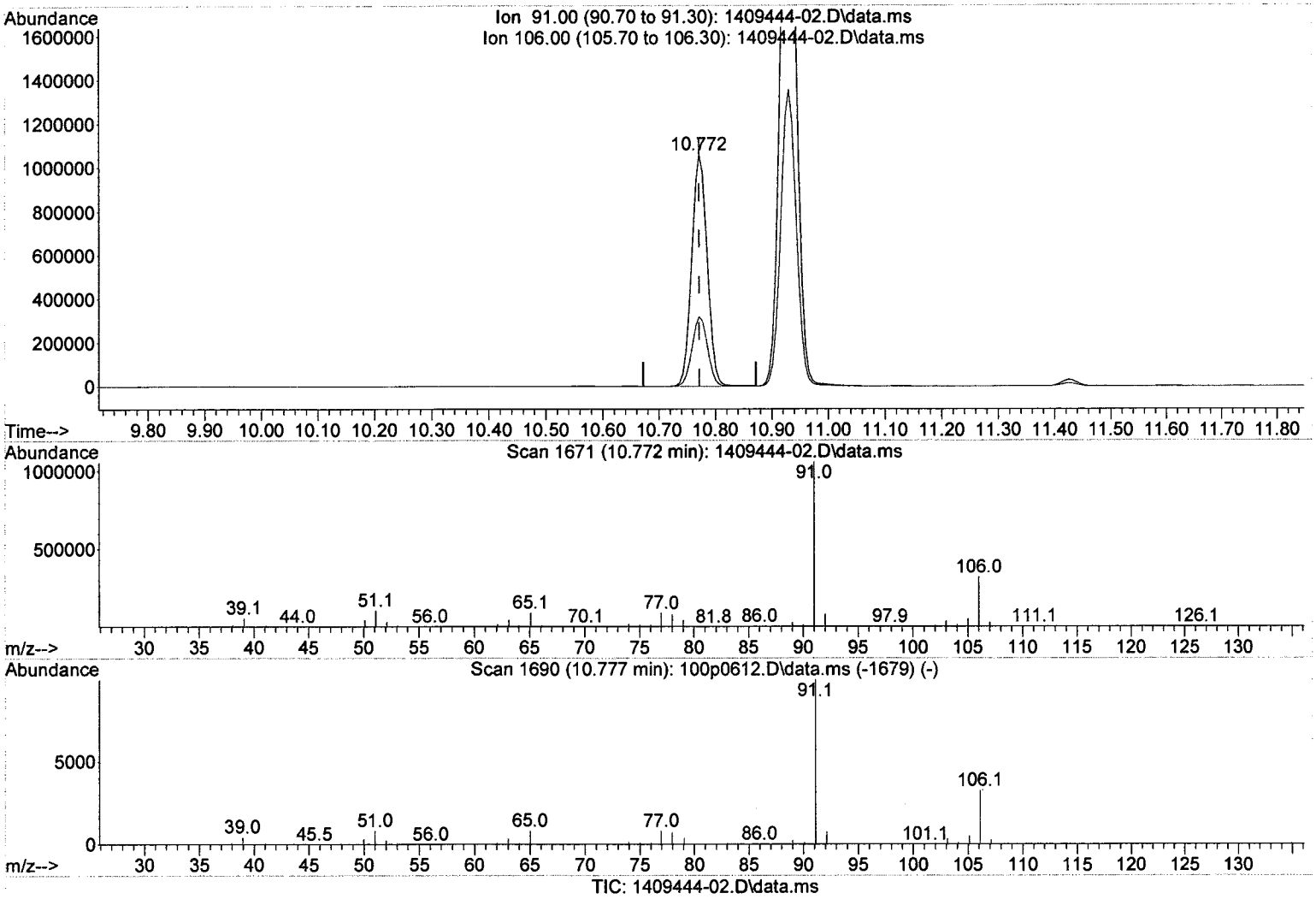
9.942min (+ 0.012) 0.50 ug/L

response 1820

Ion	Exp%	Act%
108.90	100.00	100.00
106.90	0.00	0.00
108.90	100.00	100.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(59) ethylbenzene (C)

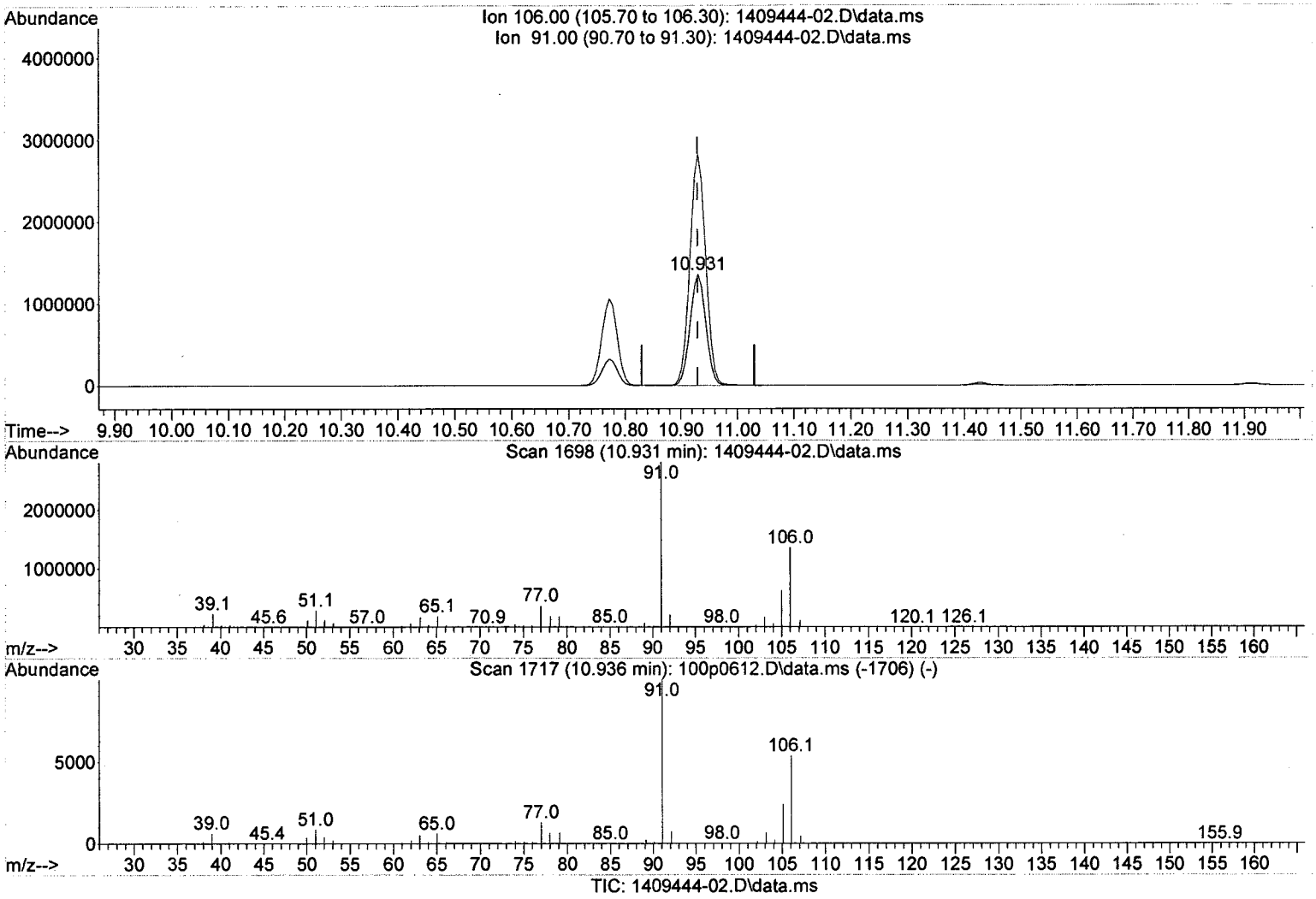
10.772min (-0.000) 111.65 ug/L

response 2010384

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	31.20	30.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(60) m+p-xylene

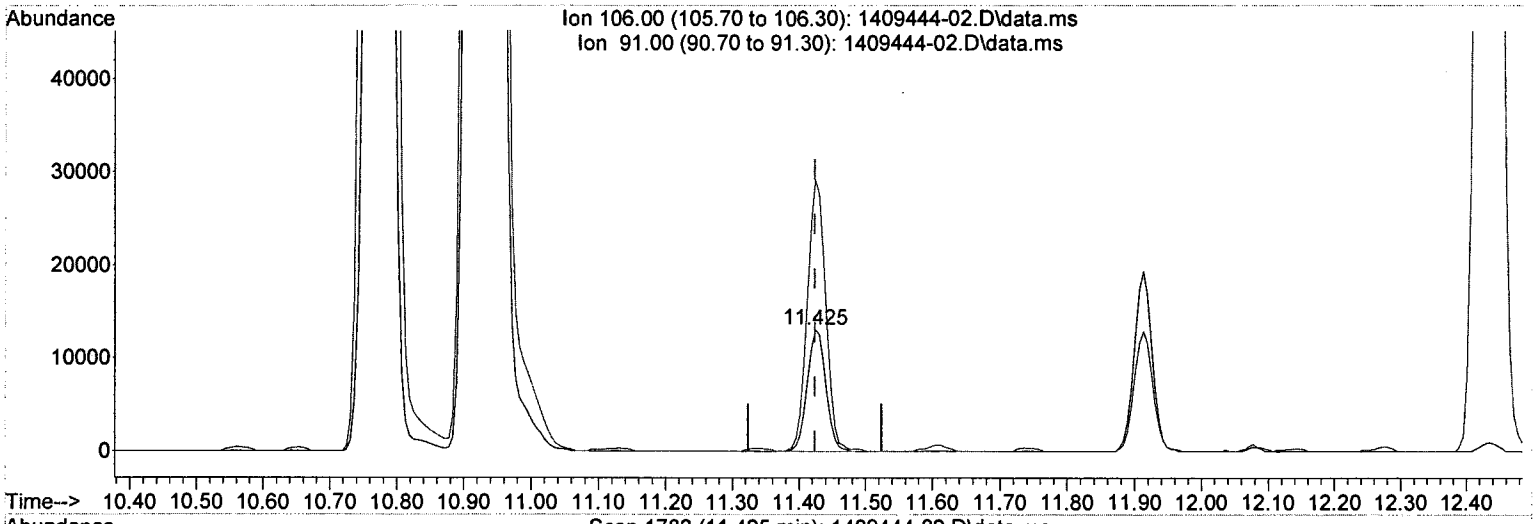
10.931min (+ 0.001) 392.92 ug/L

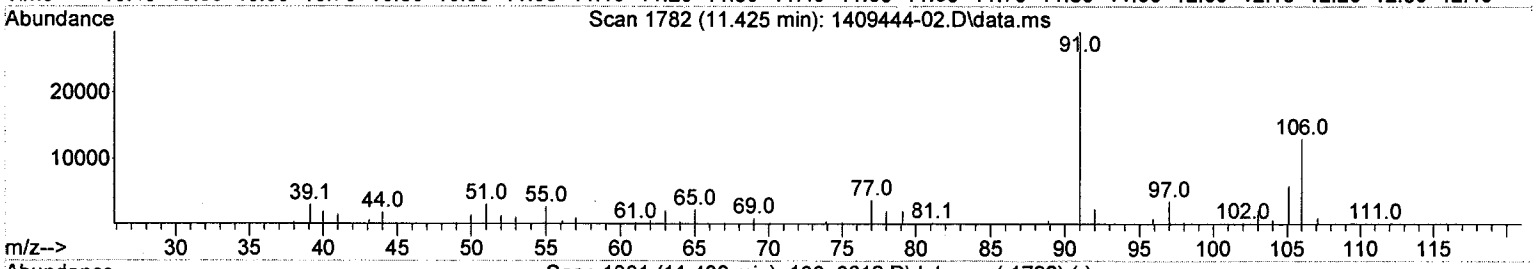
response 2606257

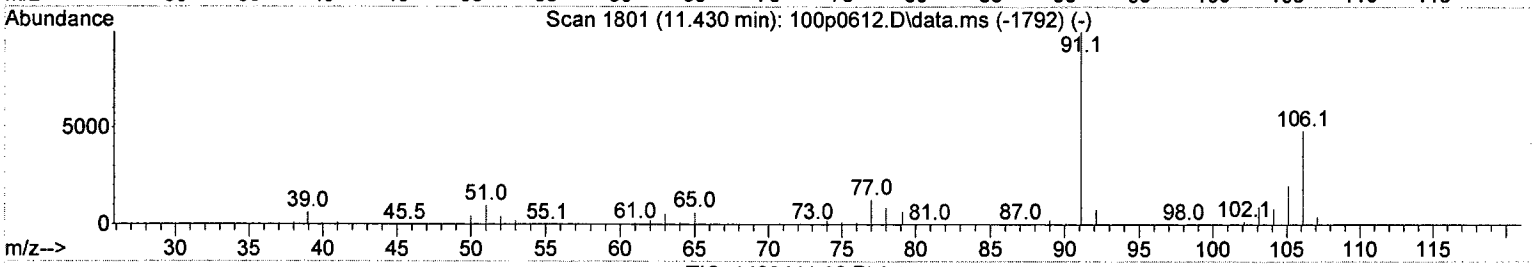
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.70	208.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(61) o-xylene

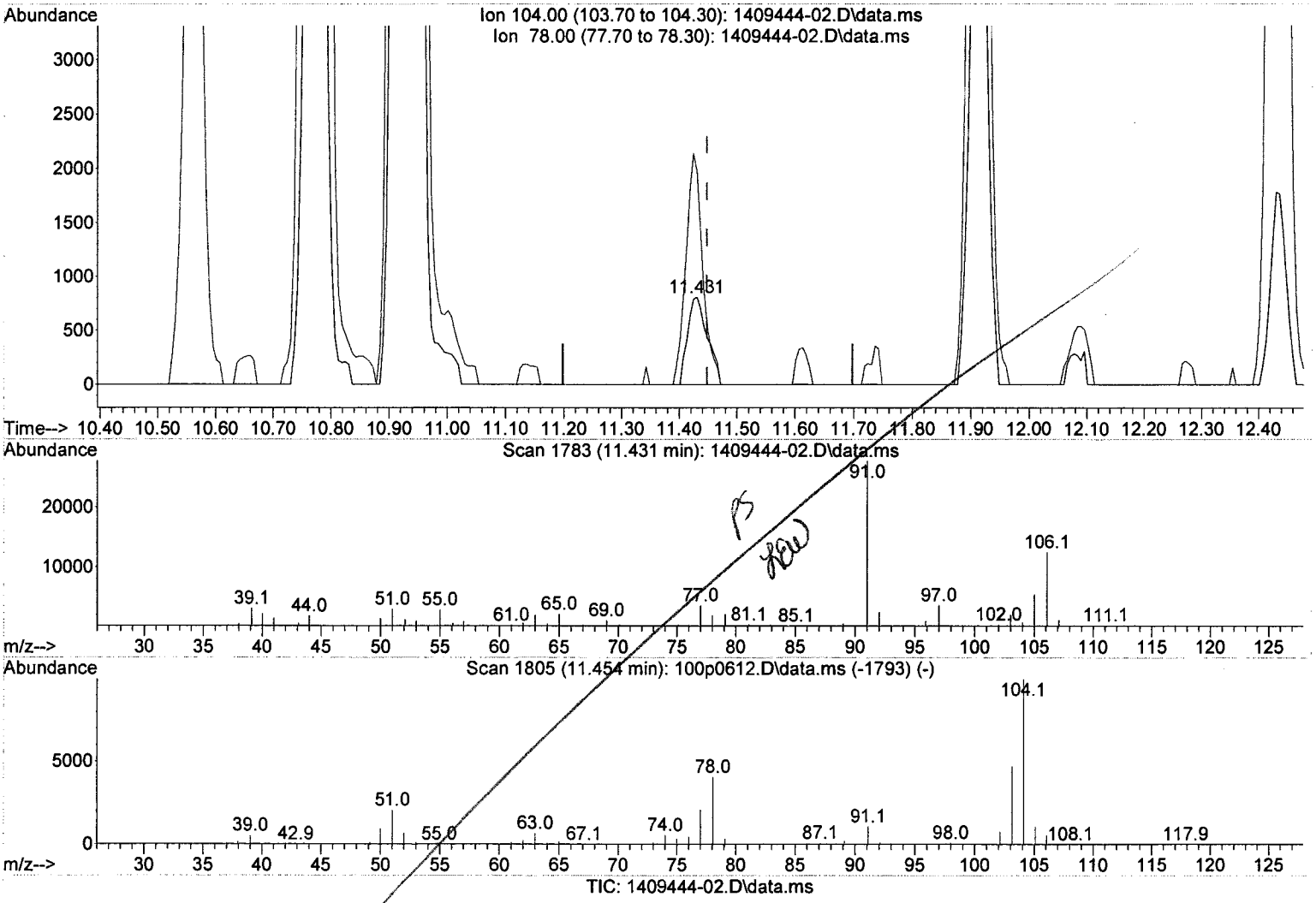
11.425min (+ 0.001) 3.87 ug/L

response 25304

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	219.60	223.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(62) styrene

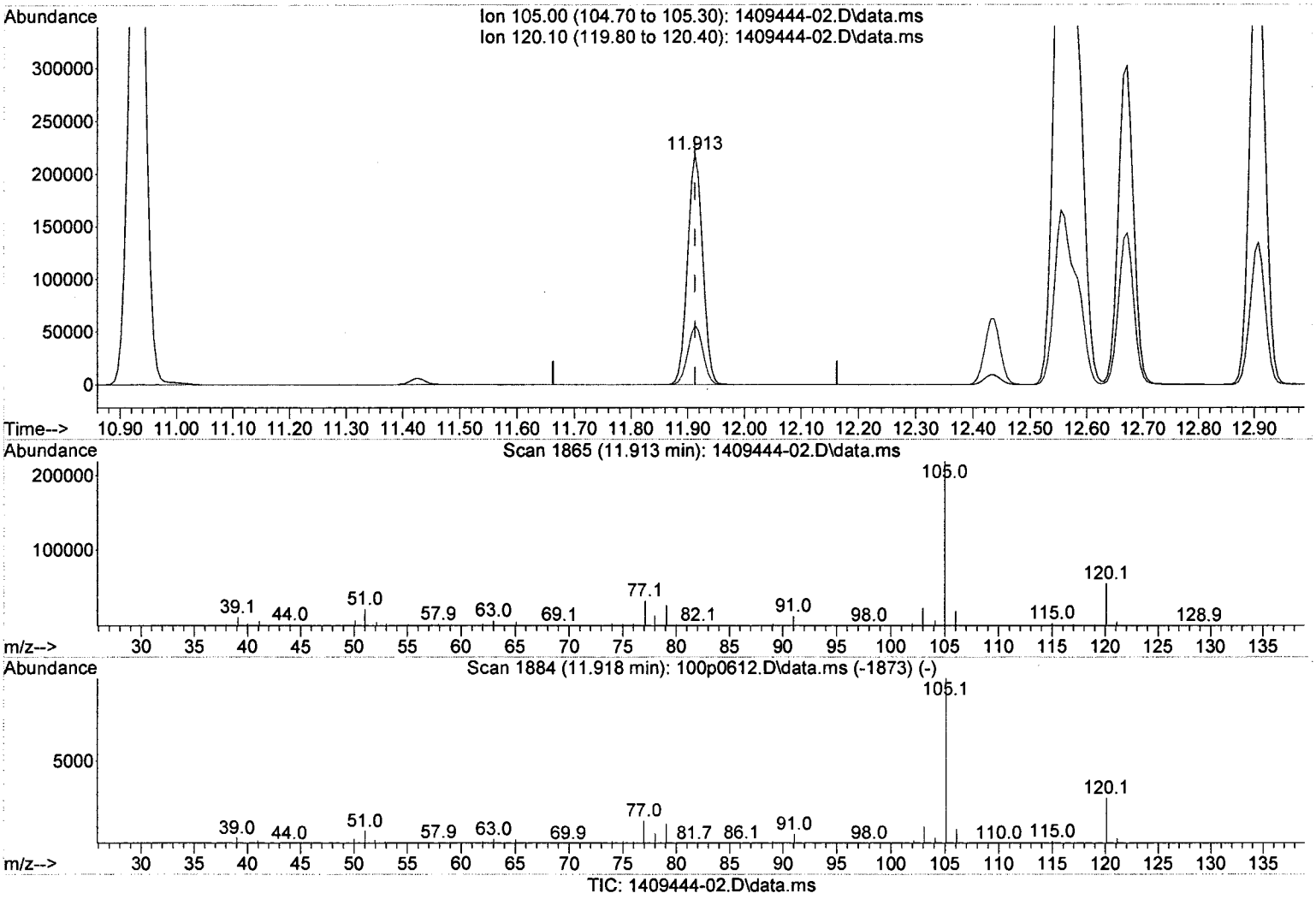
11.431min (-0.017) 0.17 ug/L

response 1919

Ion	Exp%	Act%
104.00	100.00	100.00
78.00	49.40	225.59#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(66) isopropylbenzene

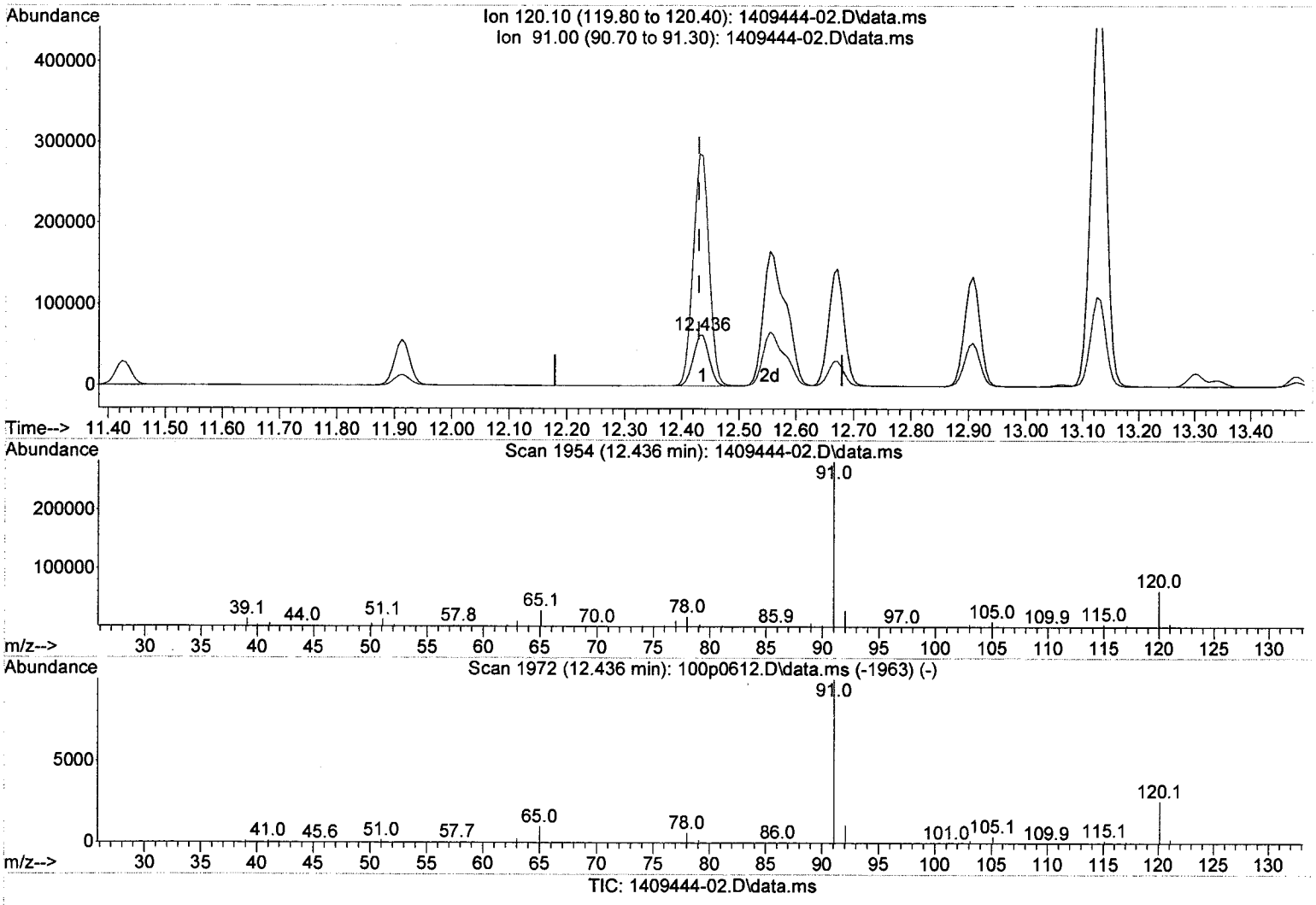
11.913min (-0.000) 23.95 ug/L

response 407427

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	26.30	25.68
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



(71) n-propylbenzene

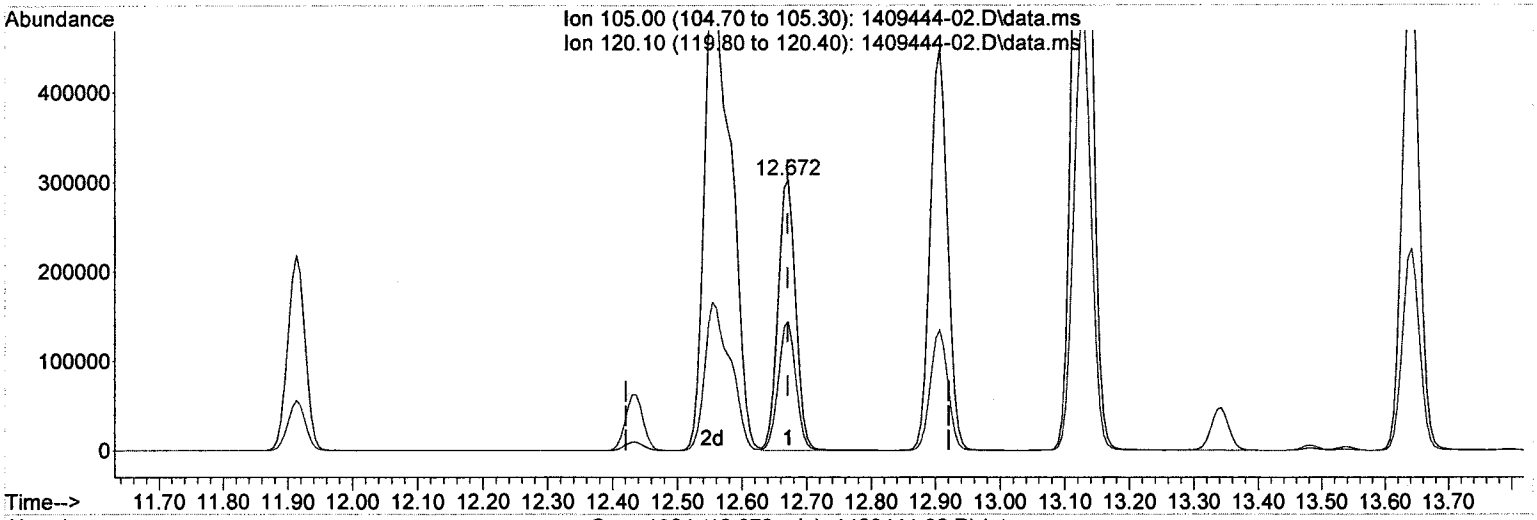
12.436min (+ 0.006) 26.64 ug/L

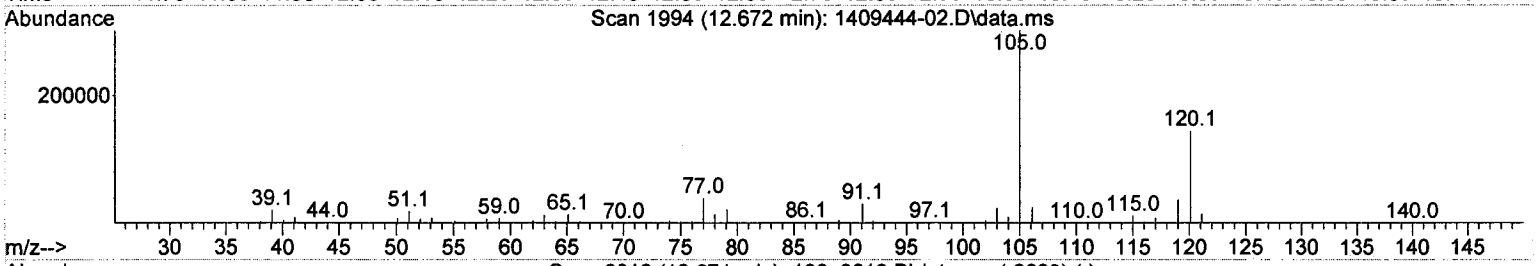
response 118039

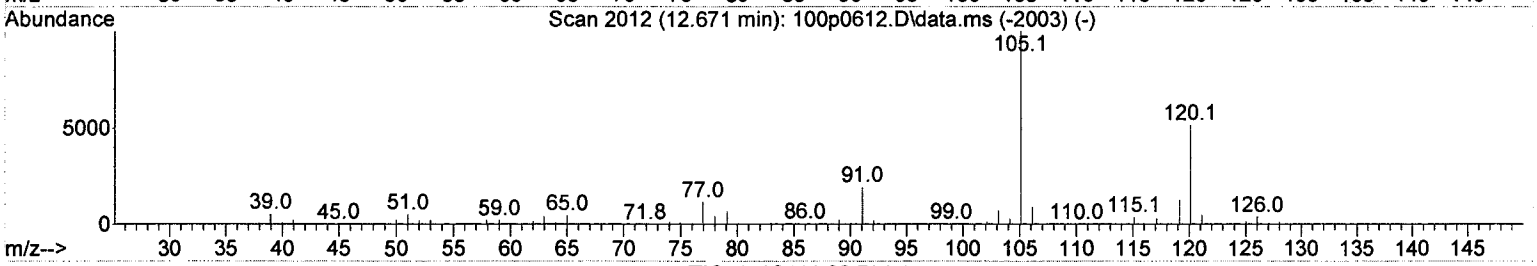
Ion	Exp%	Act%
120.10	100.00	100.00
91.00	459.40	460.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(73) 1,3,5-trimethylbenzene

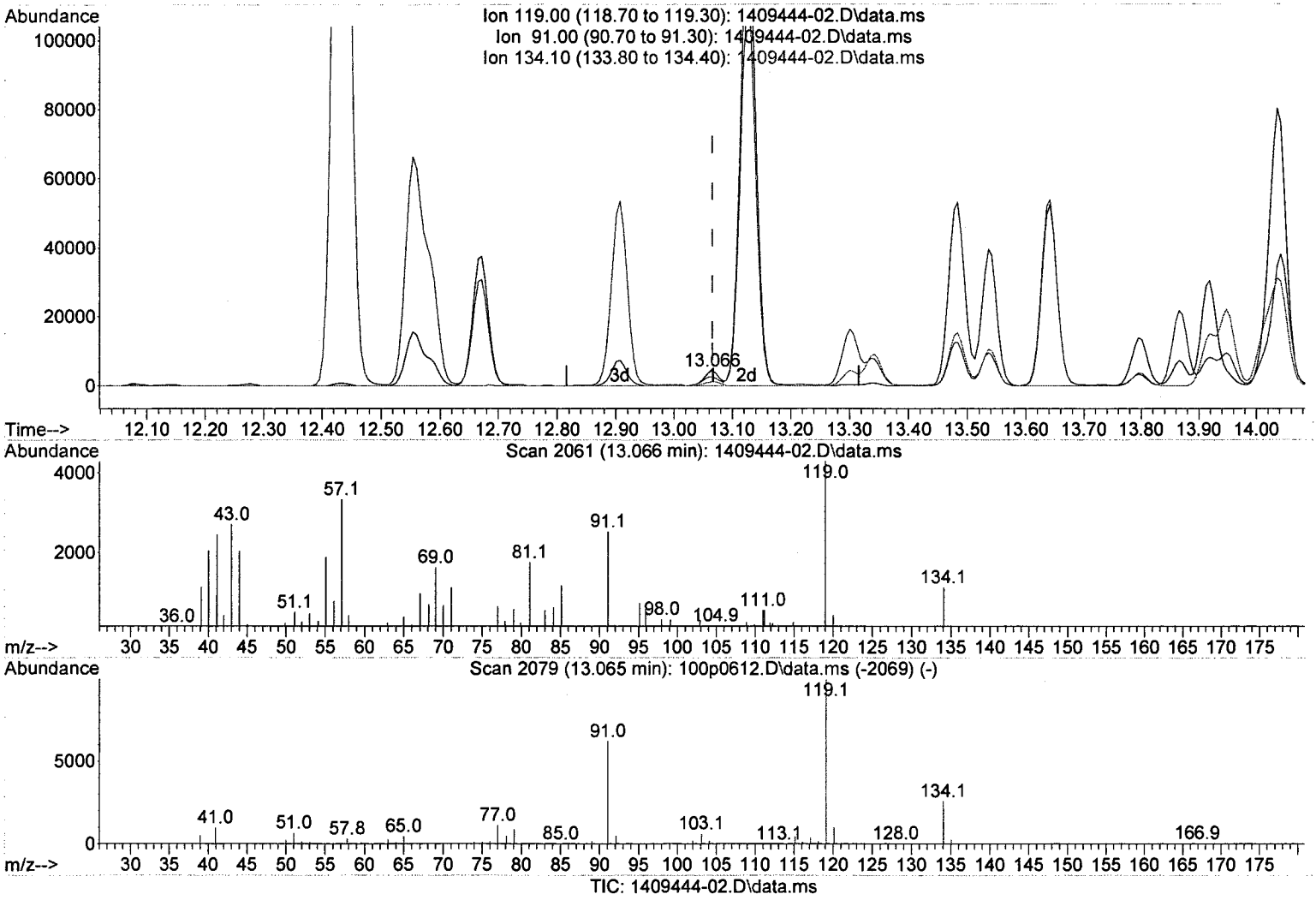
12.672min (+ 0.001) 40.93 ug/L

response 571094

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	46.90	47.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(75) tert-butylbenzene

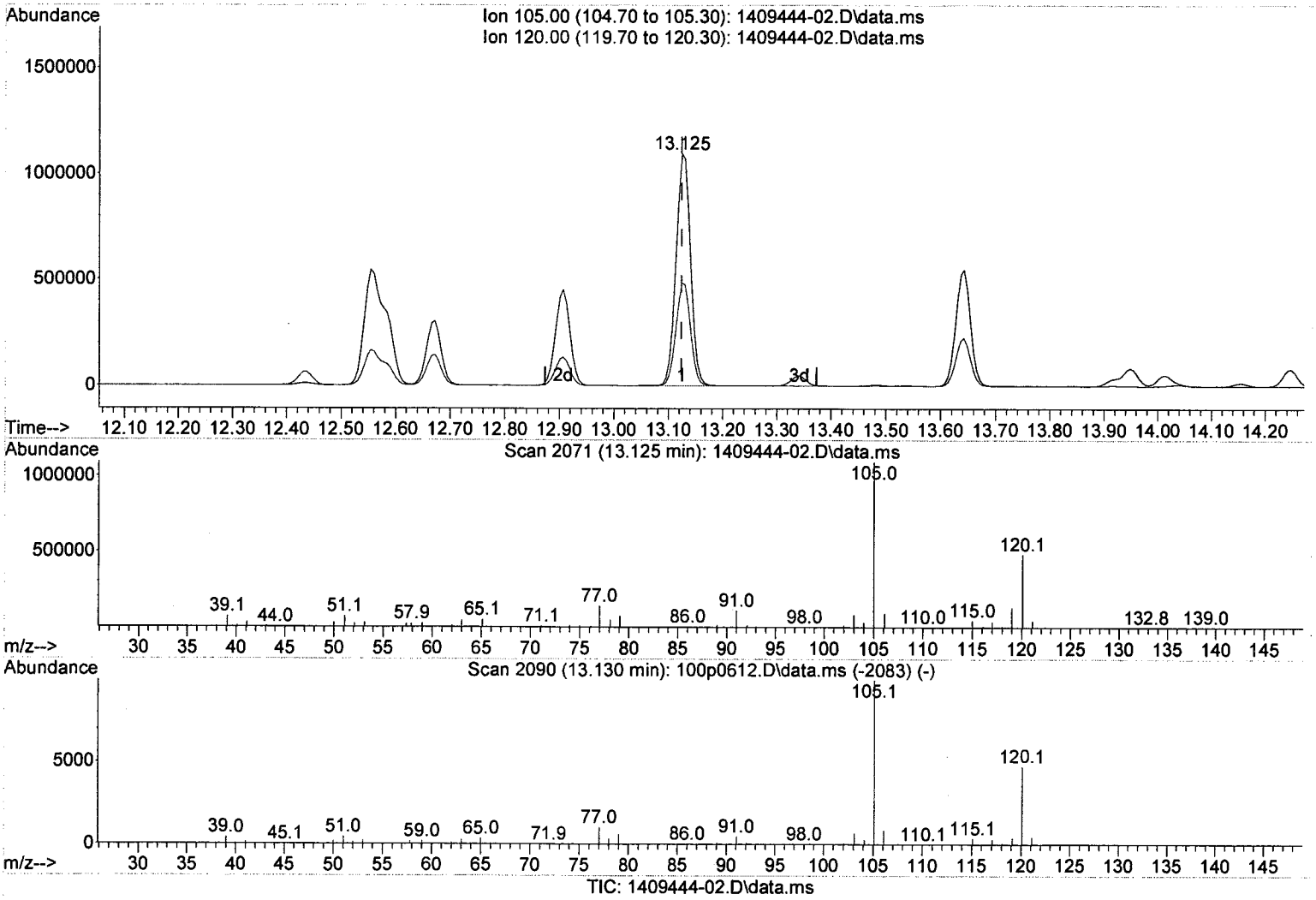
13.066min (-0.000) 0.64 ug/L

response 7450

Ion	Exp%	Act%
119.00	100.00	100.00
91.00	67.00	68.17
134.10	23.30	27.33
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(76) 1,2,4-trimethylbenzene

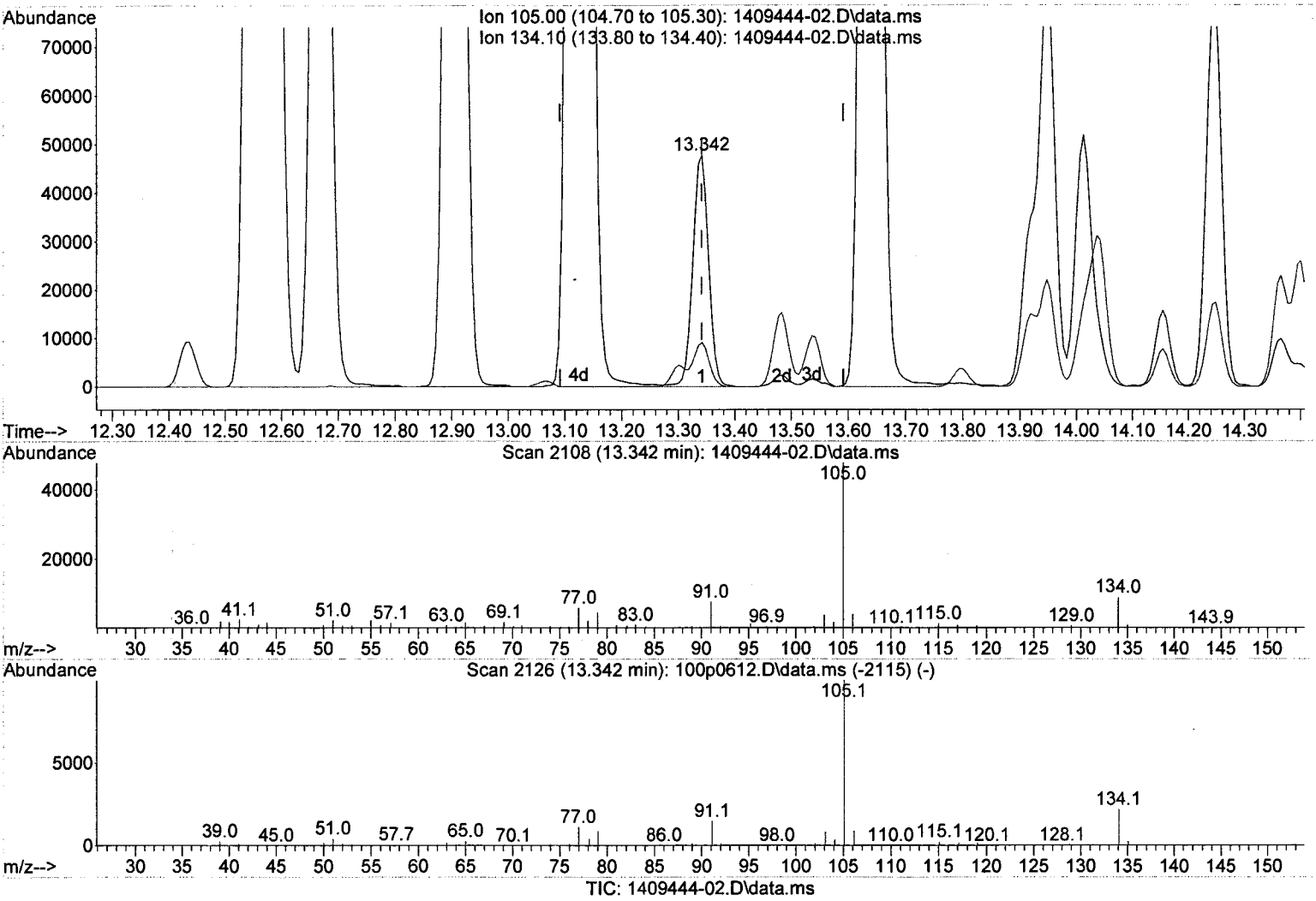
13.125min (+ 0.001) 156.69 ug/L

response 2052125

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	44.50	44.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(77) sec-butylbenzene

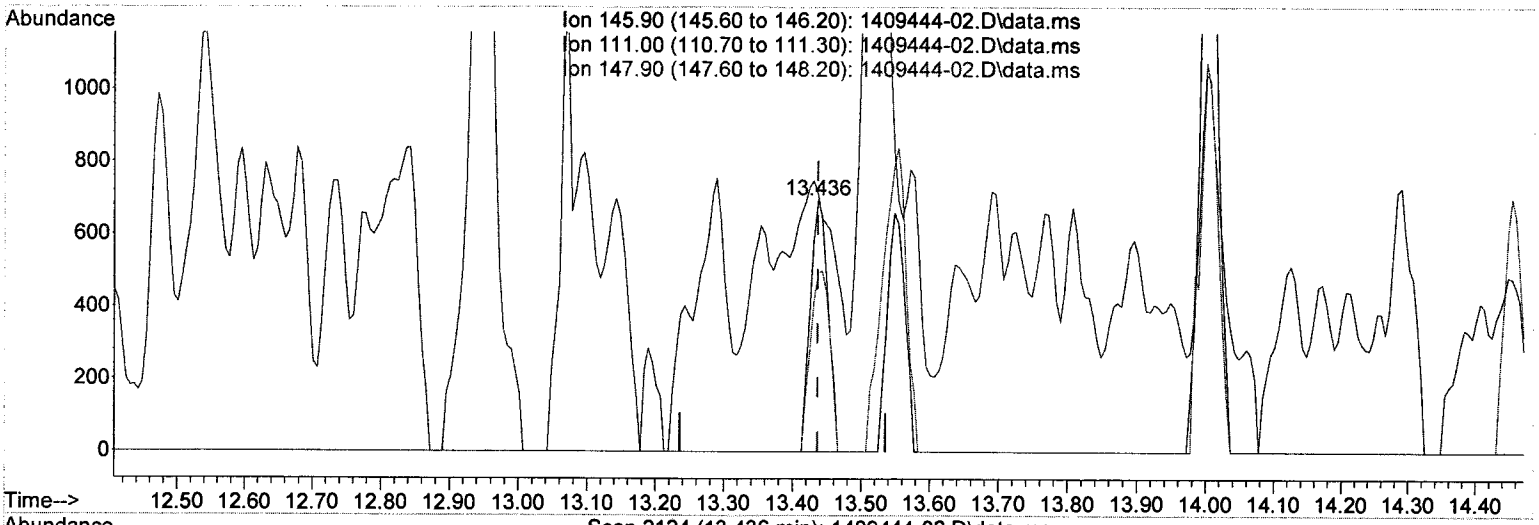
13.342min (+ 0.000) 5.49 ug/L

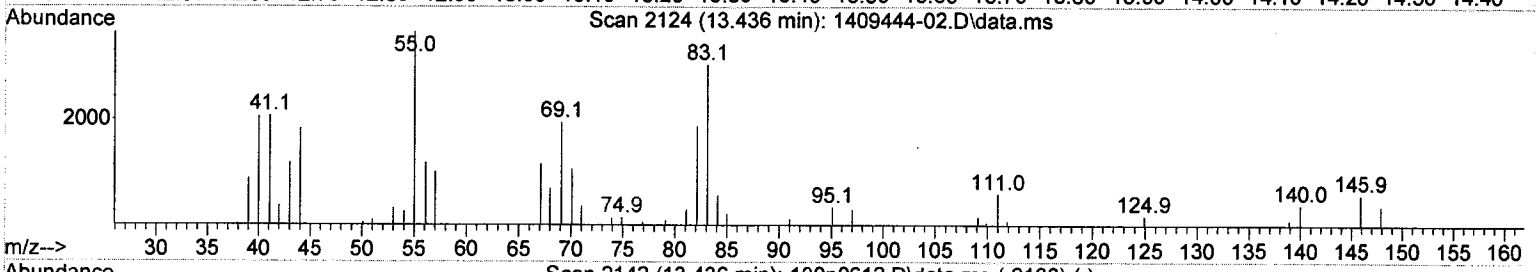
response 92051

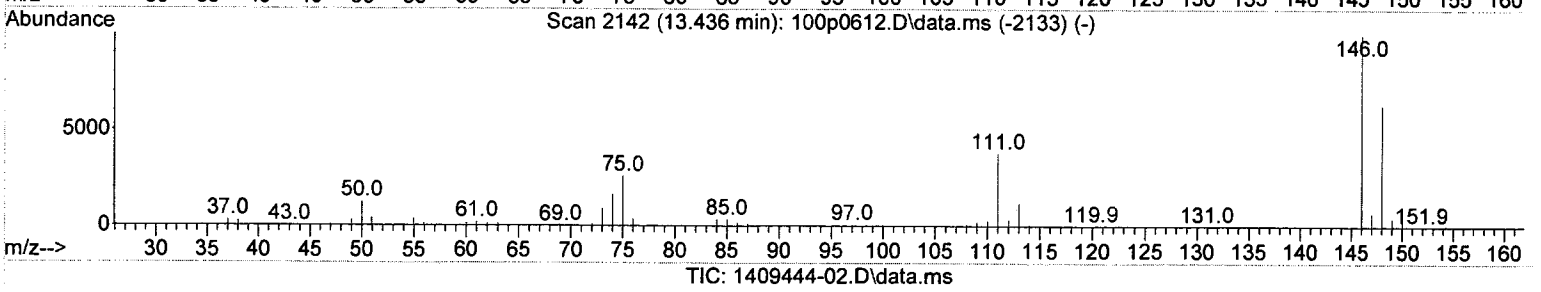
Ion	Exp%	Act%
105.00	100.00	100.00
134.10	19.30	19.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(78) 1,3-dichlorobenzene

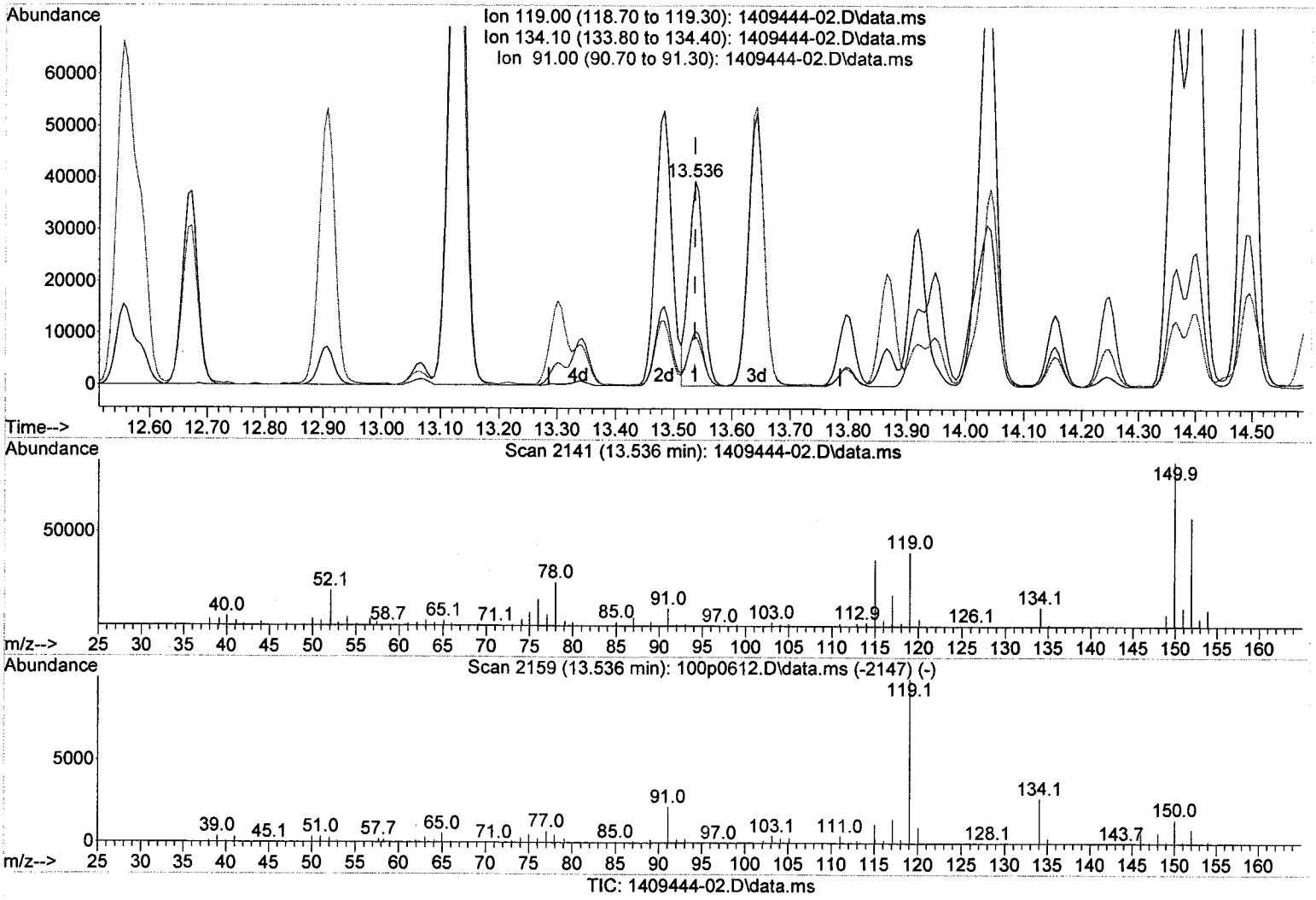
13.436min (+ 0.000) 0.16 ug/L

response 1230

Ion	Exp%	Act%
145.90	100.00	100.00
111.00	39.80	110.41#
147.90	65.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(79) 4-isopropyltoluene

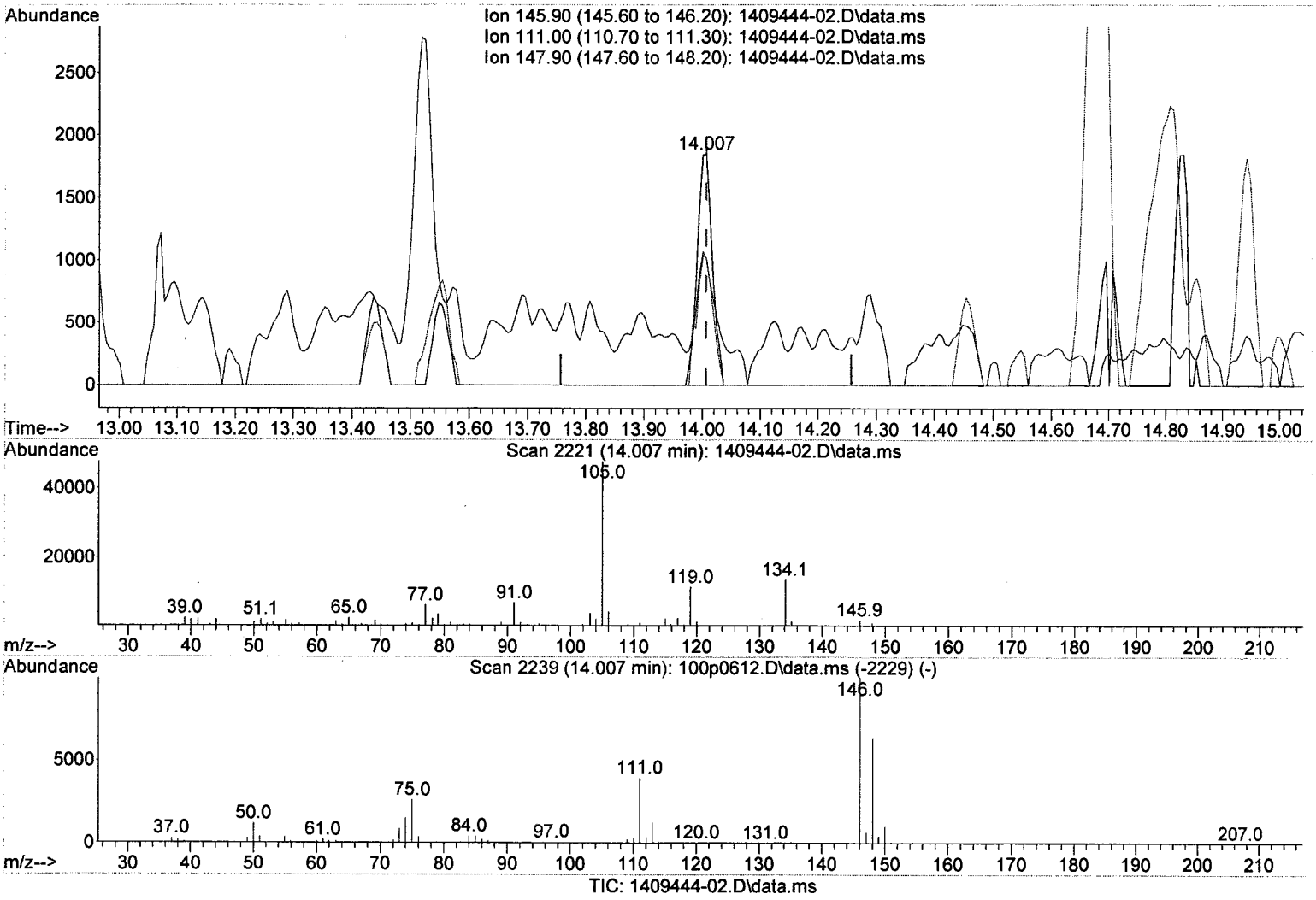
13.536min (+ 0.000) 5.40 ug/L

response 70044

Ion	Exp%	Act%
119.00	100.00	100.00
134.10	25.90	27.30
91.00	23.40	25.26
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(81) 1,2-dichlorobenzene

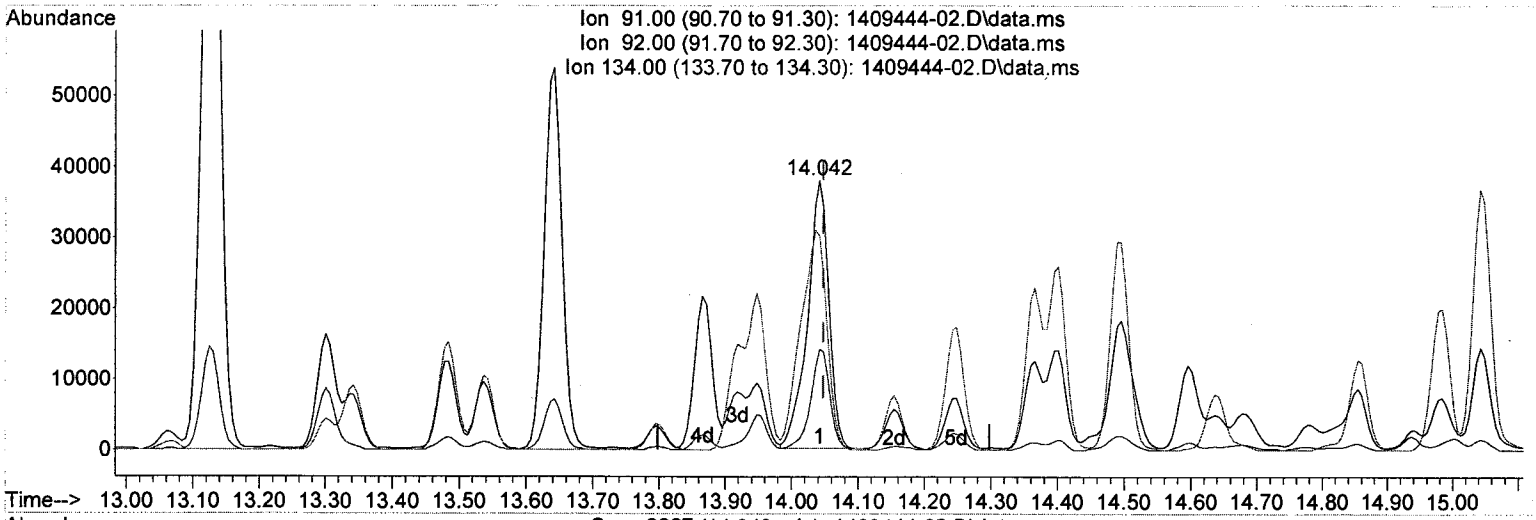
14.007min (-0.000) 0.45 ug/L

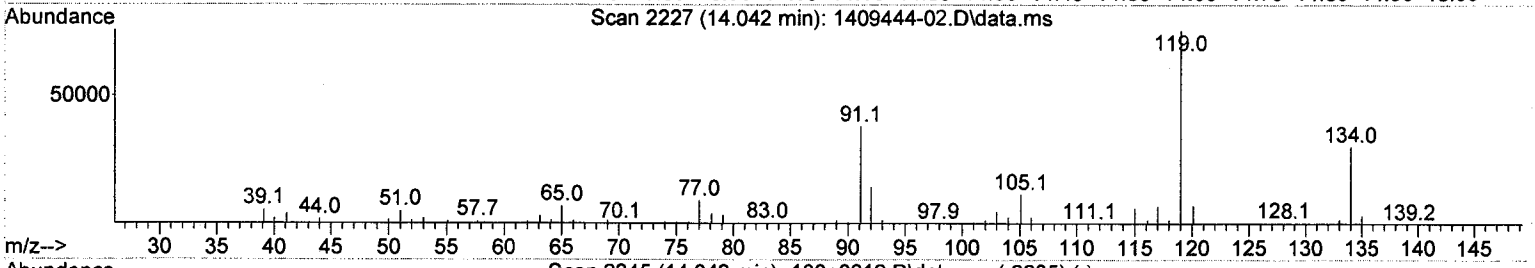
response 3310

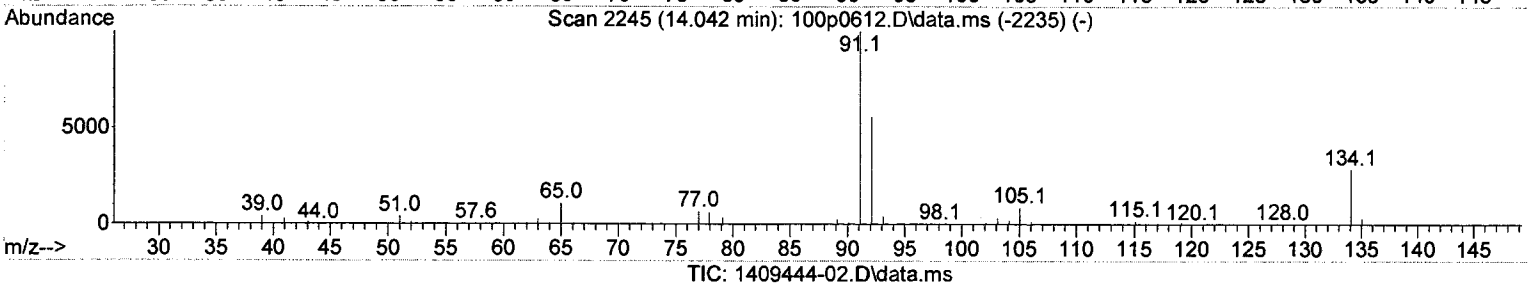
Ion	Exp%	Act%
145.90	100.00	100.00
111.00	41.40	91.60#
147.90	63.60	60.85
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(82) n-butylbenzene

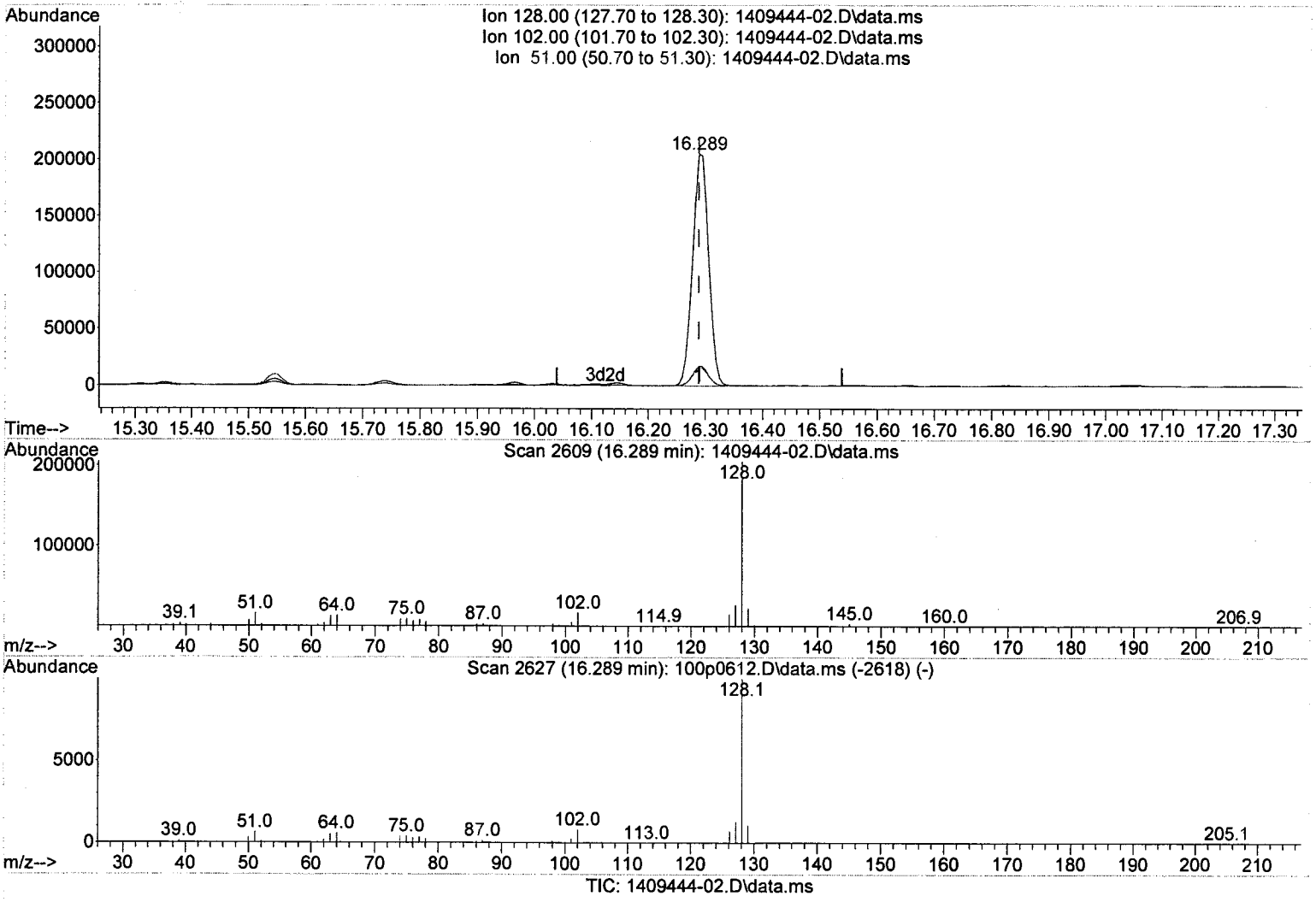
14.042min (-0.006) 9.19 ug/L

response 84108

Ion	Exp%	Act%
91.00	100.00	100.00
92.00	52.00	34.26
134.00	24.10	100.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409444-02.D
Acq On : 03 Oct 2014 00:14
Operator : DLV
Sample : 1409444-02
Misc : AECOM
ALS Vial : 38 Sample Multiplier: 1
Quant Time: Oct 03 06:47:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(87) naphthalene

16.289min (+ 0.000) 63.23 ug/L

response 395218

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.70	8.30
51.00	7.50	7.96
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB23-25

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-03 File ID: 1409444-03.D

Sampled: 09/24/14 12:45 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 10:52

Solids: 96.74 Preparation: 5035A Low Concentratio Initial/Final: 4.6 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.6	4.7	5.6	5.6	U
71-43-2	Benzene	1	0.56	0.18	0.56	1.1	U
108-86-1	Bromobenzene	1	0.56	0.15	0.56	1.1	U
74-97-5	Bromochloromethane	1	0.56	0.16	0.56	1.1	U
75-27-4	Bromodichloromethane	1	0.56	0.20	0.56	1.1	U
75-25-2	Bromoform	1	0.56	0.40	0.56	1.1	U
74-83-9	Bromomethane	1	0.56	0.37	0.56	1.1	U
104-51-8	n-Butylbenzene	1	0.56	0.29	0.56	1.1	U
135-98-8	sec-Butylbenzene	1	0.56	0.24	0.56	1.1	U
98-06-6	tert-Butylbenzene	1	0.56	0.19	0.56	1.1	U
75-15-0	Carbon Disulfide	1	0.56	0.26	0.56	1.1	U
56-23-5	Carbon Tetrachloride	1	0.56	0.37	0.56	1.1	U
108-90-7	Chlorobenzene	1	0.56	0.17	0.56	1.1	U
75-00-3	Chloroethane	1	1.1	0.57	1.1	1.1	U
67-66-3	Chloroform	1	0.56	0.16	0.56	1.1	U
74-87-3	Chloromethane	1	0.56	0.29	0.56	1.1	U
95-49-8	2-Chlorotoluene	1	0.56	0.33	0.56	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.66	1.1	5.6	U
124-48-1	Dibromochloromethane	1	0.56	0.21	0.56	1.1	U
106-93-4	1,2-Dibromoethane	1	0.56	0.17	0.56	1.1	U
74-95-3	Dibromomethane	1	0.56	0.25	0.56	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.56	0.16	0.56	1.1	U
75-34-3	1,1-Dichloroethane	1	0.56	0.24	0.56	1.1	U
107-06-2	1,2-Dichloroethane	1	0.56	0.26	0.56	1.1	U
75-35-4	1,1-Dichloroethene	1	0.56	0.34	0.56	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.56	0.26	0.56	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.56	0.30	0.56	1.1	U
78-87-5	1,2-Dichloropropane	1	0.56	0.19	0.56	1.1	U
142-28-9	1,3-Dichloropropane	1	0.56	0.16	0.56	1.1	U
594-20-7	2,2-Dichloropropane	1	0.56	0.26	0.56	1.1	U
563-58-6	1,1-Dichloropropene	1	0.56	0.31	0.56	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.13	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.56	0.14	0.56	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB23-25

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-03 File ID: 1409444-03.D

Sampled: 09/24/14 12:45 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 10:52

Solids: 96.74 Preparation: 5035A Low Concentratio Initial/Final: 4.6 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.56	0.21	0.56	1.1	U
87-68-3	Hexachlorobutadiene	1	0.56	0.23	0.56	1.1	U
591-78-6	2-Hexanone	1	0.56	0.54	0.56	5.6	U
98-82-8	Isopropylbenzene	1	0.22	0.13	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.56	0.27	0.56	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.53	1.1	5.6	U
78-93-3	2-Butanone (MEK)	1	5.6	1.2	5.6	5.6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.56	0.43	0.56	5.6	U
91-20-3	Naphthalene	1	0.56	0.18	0.56	5.6	U
103-65-1	n-Propylbenzene	1	0.56	0.13	0.56	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.56	0.17	0.56	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.56	0.16	0.56	1.1	U
127-18-4	Tetrachloroethene	1	0.56	0.19	0.56	1.1	U
108-88-3	Toluene	1	0.17	0.11	0.22	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.56	0.32	0.56	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.56	0.19	0.56	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.56	0.16	0.56	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.56	0.24	0.56	1.1	U
79-01-6	Trichloroethene	1	0.56	0.27	0.56	1.1	U
75-69-4	Trichlorofluoromethane	1	0.56	0.19	0.56	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.56	0.26	0.56	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.56	0.13	0.56	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.56	0.22	0.56	1.1	U
75-01-4	Vinyl Chloride	1	0.56	0.22	0.56	1.1	U
179601-23-1	Xylene, Meta + Para	1	0.51	0.16	0.45	2.2	J
95-47-6	Xylene, Ortho	1	0.22	0.12	0.22	1.1	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.5	104	78 - 119	
1,2-Dichloroethane-d4	40.0	43.0	107	71 - 136	
Toluene-d8	40.0	39.6	99	85 - 116	
4-Bromofluorobenzene	40.0	40.3	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	478379	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB23-25

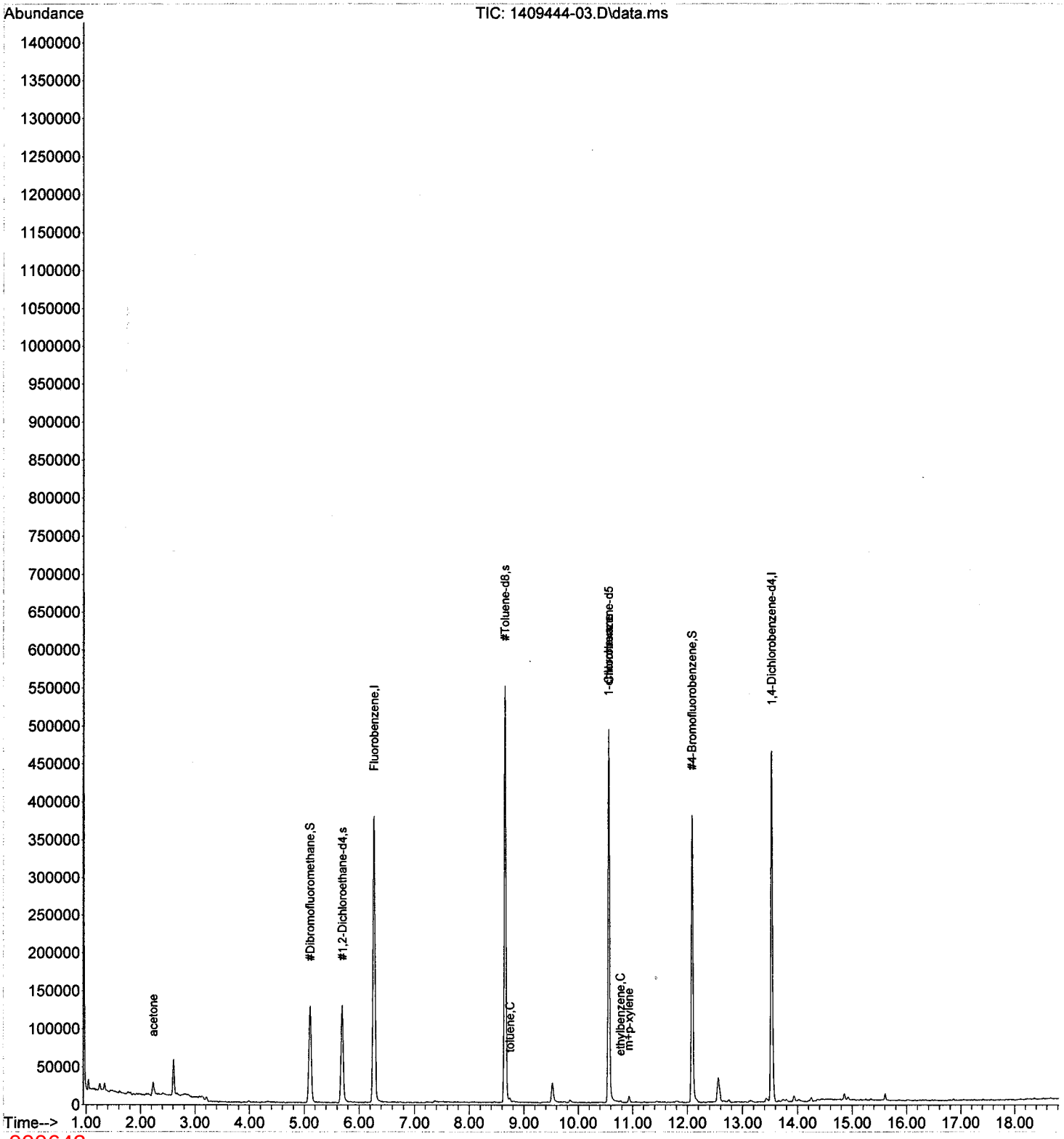
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-03
File ID: 1409444-03.D
Sampled: 09/24/14 12:45
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 10:52
Solids: 96.74
Preparation: 5035A Low Concentratio
Initial/Final: 4.6 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	335066	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	166927	13.53	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-03.D
Acq On : 01 Oct 2014 10:52
Operator : DLV
Sample : 1409444-03
Misc : AECOM
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 01 12:04:50 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-03.D
Acq On : 01 Oct 2014 10:52
Operator : DLV
Sample : 1409444-03
Misc : AECOM
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 01 12:04:50 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	478379	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	335066	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	166927	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	124952	41.54	ug/L	0.00
Spiked Amount 40.000			Recovery = 103.85%			
37) #1,2-Dichloroethane-d4	5.695	67	73750	42.98	ug/L	0.00
Spiked Amount 40.000			Recovery = 107.45%			
46) #Toluene-d8	8.654	98	459680	39.57	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.92%			
64) #4-Bromofluorobenzene	12.083	95	169225	40.29	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.72%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	24641	1.39	ug/L	99
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	28024	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	3319	Below Cal	#	50
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

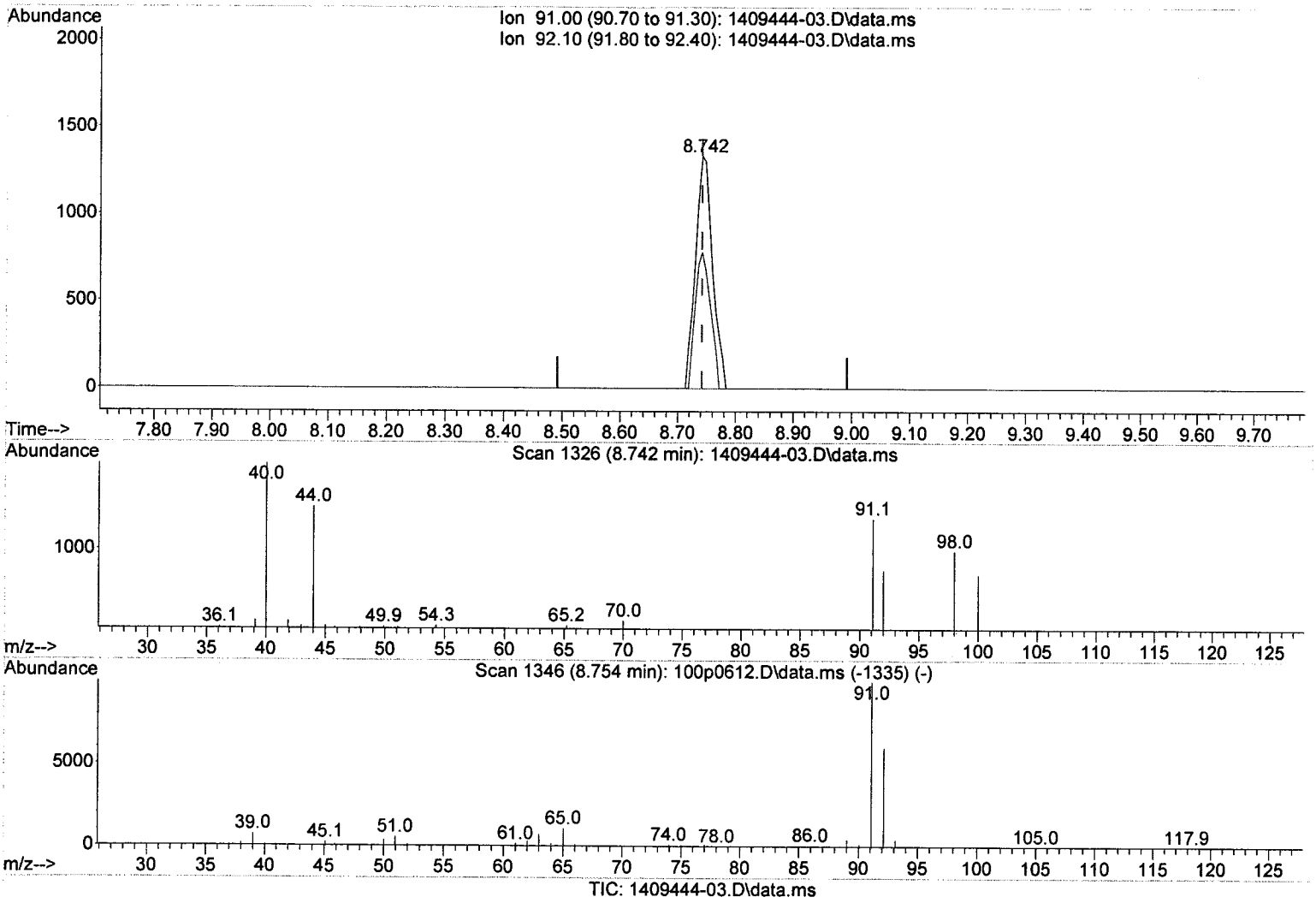
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-03.D
Acq On : 01 Oct 2014 10:52
Operator : DLV
Sample : 1409444-03
Misc : AECOM
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 01 12:04:50 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	2719	0.15 ug/L #	22
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2725	0.62 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.771	91	1910	0.10 ug/L #	44
60) m+p-xylene	10.930	106	3267	0.45 ug/L #	80
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-03.D
Acq On : 01 Oct 2014 10:52
Operator : DLV
Sample : 1409444-03
Misc : AECOM
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 01 12:04:50 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-03.D\data.ms

(47) toluene (C)

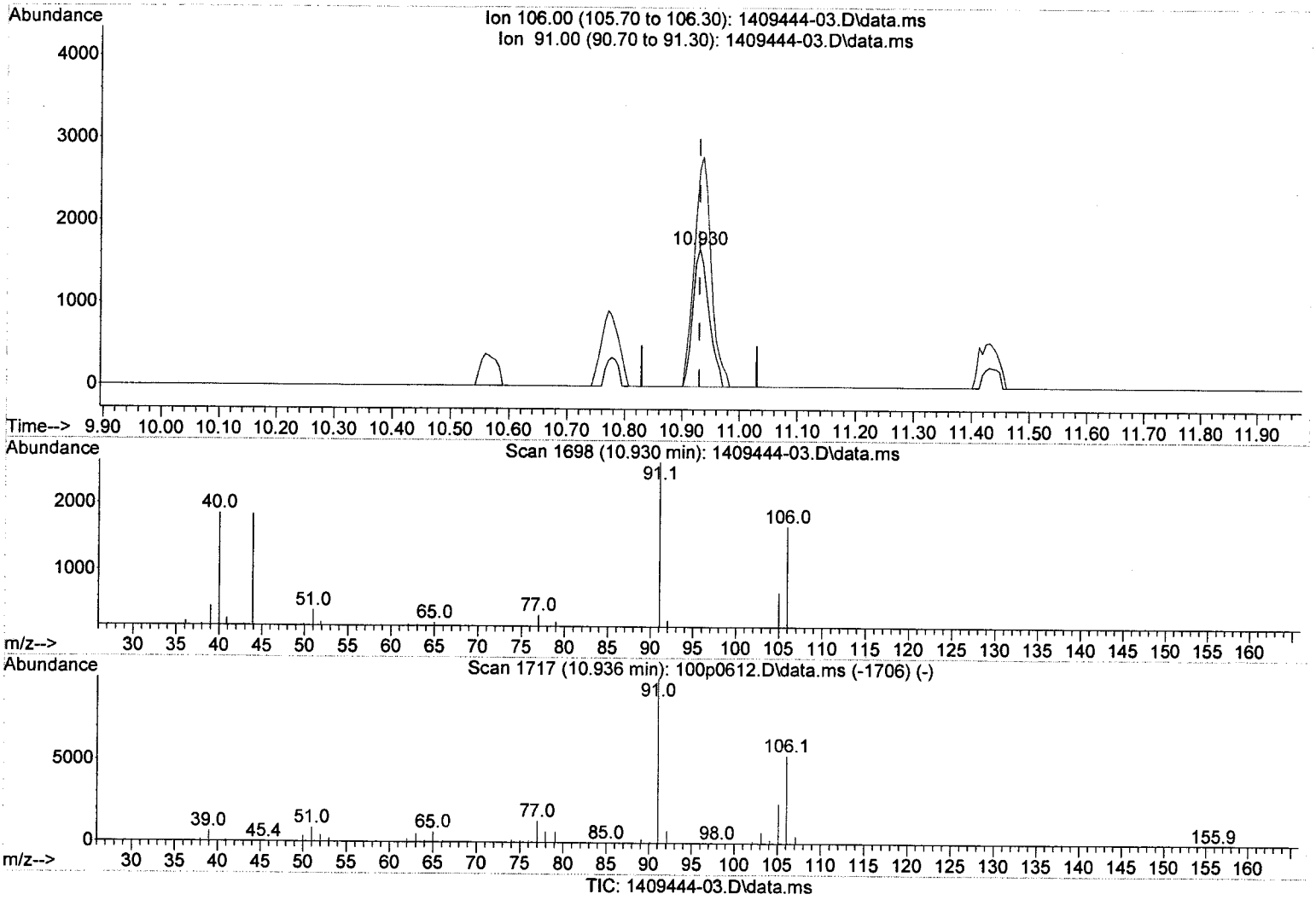
8.742min (+ 0.000) 0.15 ug/L

response 2719

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-03.D
Acq On : 01 Oct 2014 10:52
Operator : DLV
Sample : 1409444-03
Misc : AECOM
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 01 12:04:50 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(60) m+p-xylene

10.930min (+ 0.000) 0.45 ug/L

response 3267

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	175.91#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB23-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-04 File ID: 1409444-04.D

Sampled: 09/24/14 13:05 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 11:16

Solids: 97.55 Preparation: 5035A Low Concentratio Initial/Final: 5.2 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.1	4.3	5.1	5.1	U
71-43-2	Benzene	1	0.51	0.16	0.51	1.0	U
108-86-1	Bromobenzene	1	0.51	0.14	0.51	1.0	U
74-97-5	Bromochloromethane	1	0.51	0.15	0.51	1.0	U
75-27-4	Bromodichloromethane	1	0.51	0.18	0.51	1.0	U
75-25-2	Bromoform	1	0.51	0.37	0.51	1.0	U
74-83-9	Bromomethane	1	0.51	0.34	0.51	1.0	U
104-51-8	n-Butylbenzene	1	0.29	0.27	0.51	1.0	J
135-98-8	sec-Butylbenzene	1	0.51	0.22	0.51	1.0	U
98-06-6	tert-Butylbenzene	1	0.51	0.17	0.51	1.0	U
75-15-0	Carbon Disulfide	1	0.51	0.24	0.51	1.0	U
56-23-5	Carbon Tetrachloride	1	0.51	0.33	0.51	1.0	U
108-90-7	Chlorobenzene	1	0.51	0.15	0.51	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.51	0.15	0.51	1.0	U
74-87-3	Chloromethane	1	0.51	0.26	0.51	1.0	U
95-49-8	2-Chlorotoluene	1	0.51	0.30	0.51	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.60	1.0	5.1	U
124-48-1	Dibromochloromethane	1	0.51	0.19	0.51	1.0	U
106-93-4	1,2-Dibromoethane	1	0.51	0.16	0.51	1.0	U
74-95-3	Dibromomethane	1	0.51	0.23	0.51	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.096	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.51	0.15	0.51	1.0	U
75-34-3	1,1-Dichloroethane	1	0.51	0.22	0.51	1.0	U
107-06-2	1,2-Dichloroethane	1	0.51	0.23	0.51	1.0	U
75-35-4	1,1-Dichloroethene	1	0.51	0.31	0.51	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.51	0.23	0.51	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.51	0.28	0.51	1.0	U
78-87-5	1,2-Dichloropropane	1	0.51	0.17	0.51	1.0	U
142-28-9	1,3-Dichloropropane	1	0.51	0.15	0.51	1.0	U
594-20-7	2,2-Dichloropropane	1	0.51	0.23	0.51	1.0	U
563-58-6	1,1-Dichloropropene	1	0.51	0.28	0.51	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.51	0.12	0.51	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB23-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-04 File ID: 1409444-04.D

Sampled: 09/24/14 13:05 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 11:16

Solids: 97.55 Preparation: 5035A Low Concentratio Initial/Final: 5.2 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.57	0.19	0.51	1.0	**J**
87-68-3	Hexachlorobutadiene	1	0.51	0.21	0.51	1.0	U
591-78-6	2-Hexanone	1	0.51	0.49	0.51	5.1	U
98-82-8	Isopropylbenzene	1	0.42	0.11	0.21	1.0	**J**
99-87-6	4-Isopropyltoluene	1	0.51	0.25	0.51	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.1	U
78-93-3	2-Butanone (MEK)	1	5.1	1.1	5.1	5.1	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.51	0.40	0.51	5.1	U
91-20-3	Naphthalene	1	0.51	0.17	0.51	5.1	U
103-65-1	n-Propylbenzene	1	0.56	0.12	0.51	1.0	**J**
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
127-18-4	Tetrachloroethene	1	0.51	0.18	0.51	1.0	U
108-88-3	Toluene	1	0.14	0.10	0.21	1.0	**J**
87-61-6	1,2,3-Trichlorobenzene	1	0.51	0.29	0.51	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.51	0.17	0.51	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.51	0.15	0.51	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.51	0.22	0.51	1.0	U
79-01-6	Trichloroethene	1	0.51	0.25	0.51	1.0	U
75-69-4	Trichlorofluoromethane	1	0.51	0.18	0.51	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.51	0.23	0.51	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	2.6	0.12	0.51	1.0	
108-67-8	1,3,5-Trimethylbenzene	1	1.4	0.20	0.51	1.0	
75-01-4	Vinyl Chloride	1	0.51	0.21	0.51	1.0	U
179601-23-1	Xylene, Meta + Para	1	1.1	0.15	0.41	2.1	**J**
95-47-6	Xylene, Ortho	1	0.21	0.11	0.21	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.5	104	78 - 119	
1,2-Dichloroethane-d4	40.0	44.4	111	71 - 136	
Toluene-d8	40.0	39.1	98	85 - 116	
4-Bromofluorobenzene	40.0	40.8	102	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	505074	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB23-33

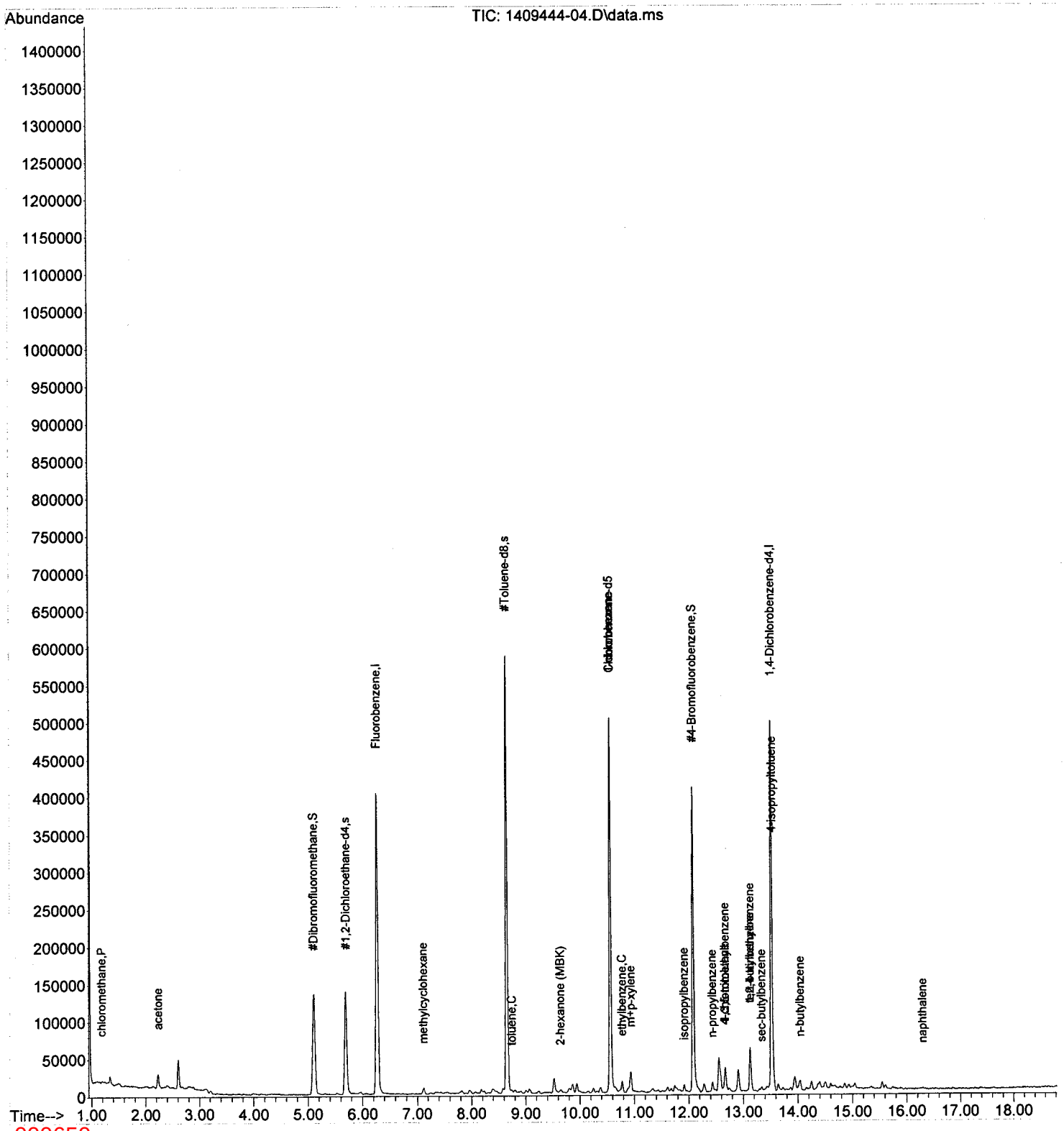
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-04
File ID: 1409444-04.D
Sampled: 09/24/14 13:05
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 11:16
Solids: 97.55
Preparation: 5035A Low Concentratio
Initial/Final: 5.2 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	345378	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	169703	13.53	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	505074	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	345378	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	169703	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.101	111	131740	41.48	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.70%				
37) #1,2-Dichloroethane-d4	5.695	67	80530	44.45	ug/L		0.00
Spiked Amount 40.000			Recovery = 111.13%				
46) #Toluene-d8	8.654	98	479037	39.06	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.65%				
64) #4-Bromofluorobenzene	12.083	95	176513	40.77	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.93%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	1.184	50	1681	PS 0.28	ug/L	#	42
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	25380	0.89	ug/L		95
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	23341	Below Cal			95
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	2474	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	5.960	57	2935	No Calib		#	
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

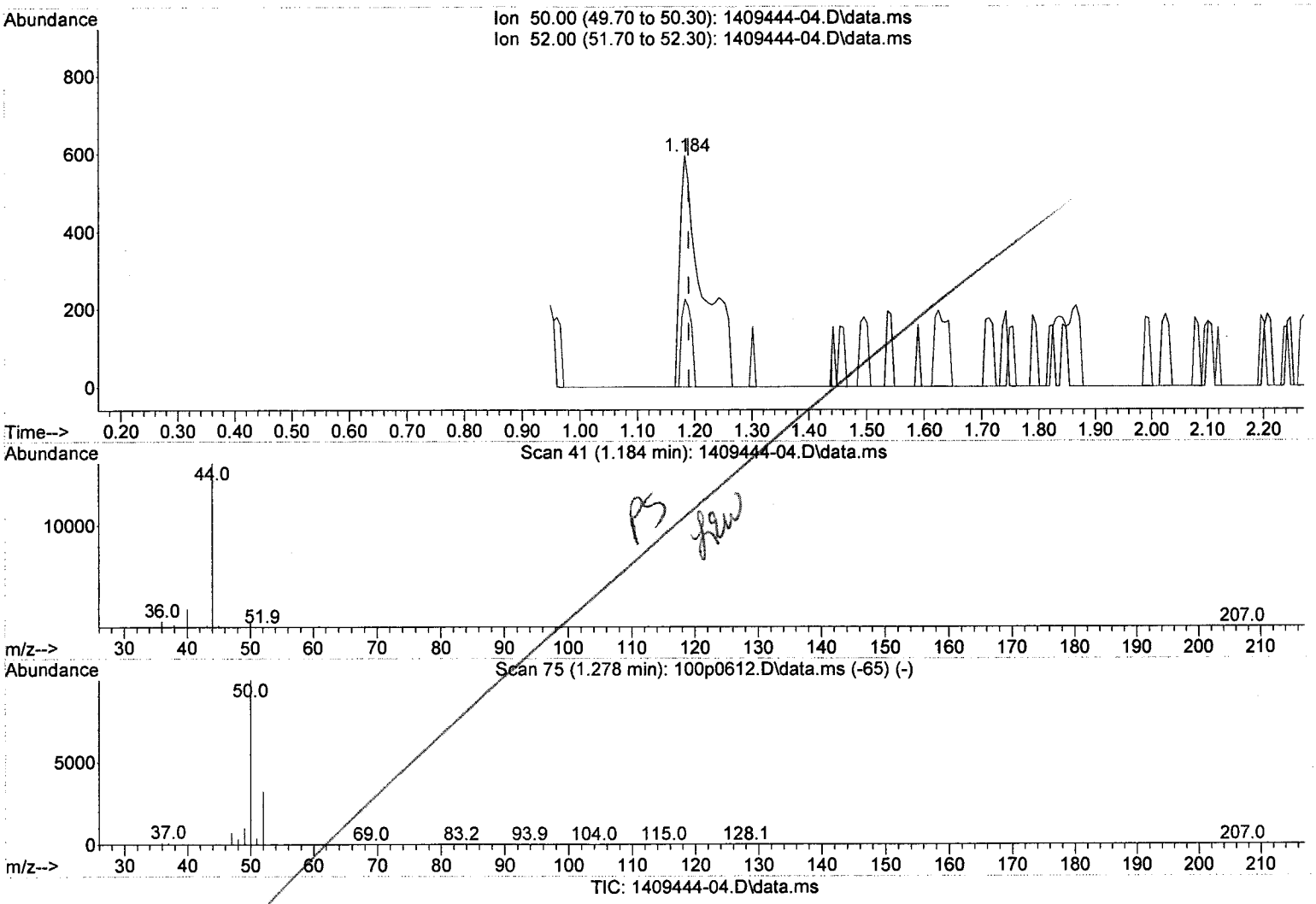
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.113	83	3939	0.49	ug/L		92
40) 1,2-dichloropropane	0.000		0	N.D.			
41) dibromomethane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	0.000		0	N.D.			
45) 4-methyl-2-pentanone (...	0.000		0	N.D.			
47) toluene	8.742	91	2565	0.14	ug/L	#	22
48) trans-1,3-dichloropropene	0.000		0	N.D.			
49) 1,1,2-trichloroethane	0.000		0	N.D.			
51) tetrachloroethene	0.000		0	N.D.			
52) 1,3-dichloropropane	0.000		0	N.D.			
53) 2-hexanone (MBK)	9.642	43	1570	~~0.54~~	ug/L	#	7
54) dibromochloromethane	0.000		0	N.D.			
55) 1,2-dibromoethane	0.000		0	N.D.			
56) chlorobenzene	0.000		0	N.D.			
57) 1-chlorohexane	10.566	55	3262	0.72	ug/L	#	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59) ethylbenzene	10.777	91	11738	0.58	ug/L		97
60) m+p-xylene	10.936	106	8235	1.10	ug/L		88
61) o-xylene	0.000		0	N.D.			
62) styrene	0.000		0	N.D.			
63) bromoform	0.000		0	N.D.			
66) isopropylbenzene	11.918	105	7965	0.43	ug/L		91
67) bromobenzene	0.000		0	N.D.			
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69) 1,2,3-trichloropropane	0.000		0	N.D.			
70) 1,4-dichloro-2-butene	0.000		0	N.D.			
71) n-propylbenzene	12.436	120	2902	0.57	ug/L		100
72) 2-chlorotoluene	0.000		0	N.D.			
73) 1,3,5-trimethylbenzene	12.671	105	21787	1.37	ug/L		96
74) 4-chlorotoluene	12.665	91	2533	0.16	ug/L	#	45
75) tert-butylbenzene	13.130	119	4654	~~0.35~~	ug/L	#	68
76) 1,2,4-trimethylbenzene	13.130	105	42046	2.64	ug/L		96
77) sec-butylbenzene	13.342	105	4275	0.21	ug/L	#	57
78) 1,3-dichlorobenzene	0.000		0	N.D.			
79) 4-isopropyltoluene	13.542	119	2239	0.13	ug/L	#	51
80) 1,4-dichlorobenzene	0.000		0	N.D.			
81) 1,2-dichlorobenzene	0.000		0	N.D.			
82) n-butylbenzene	14.048	91	4798	0.29	ug/L	#	17
83) hexachloroethane	0.000		0	N.D.			
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85) 1,2,4-trichlorobenzene	0.000		0	N.D.			
86) hexachlorobutadiene	0.000		0	N.D.			
87) naphthalene	16.295	128	1984	~~0.82~~	ug/L	#	78
88) 1,2,3-trichlorobenzene	0.000		0	N.D.			
89) 2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-04.D\data.ms

(3) chloromethane (P)

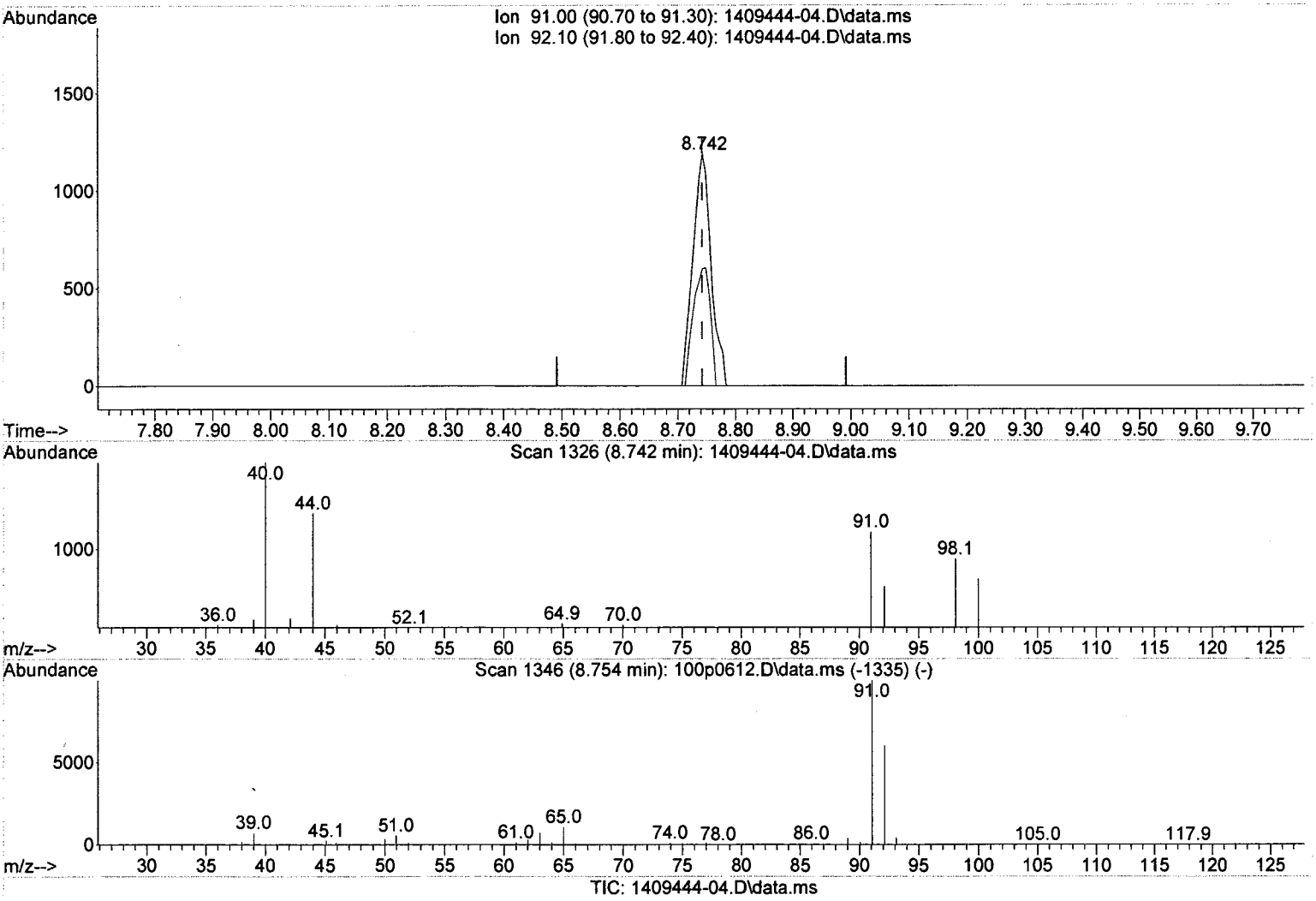
1.184min (-0.006) 0.28 ug/L

response 1681

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-04.D\data.ms

(47) toluene (C)

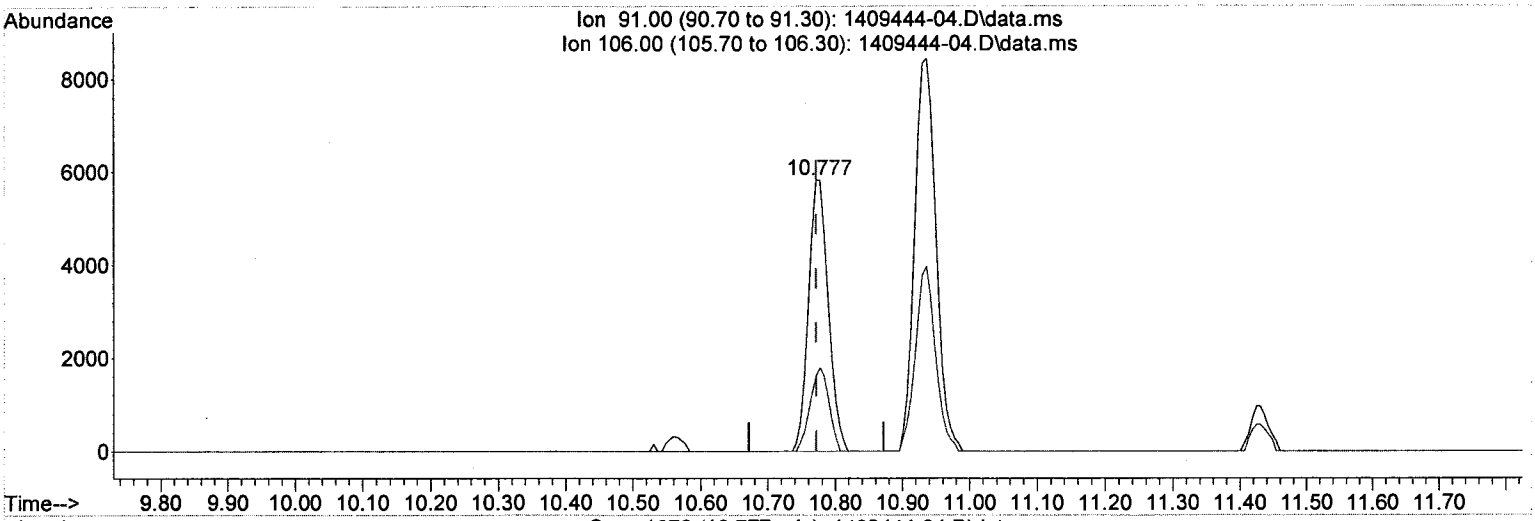
8.742min (+ 0.000) 0.14 ug/L

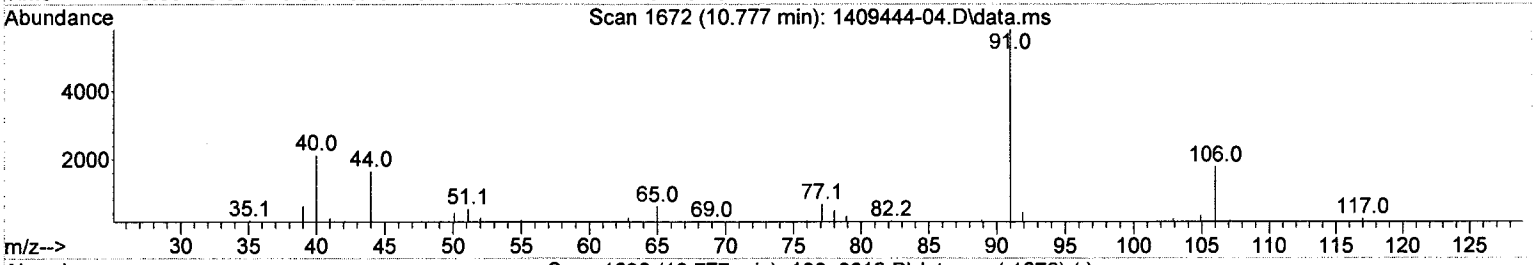
response 2565

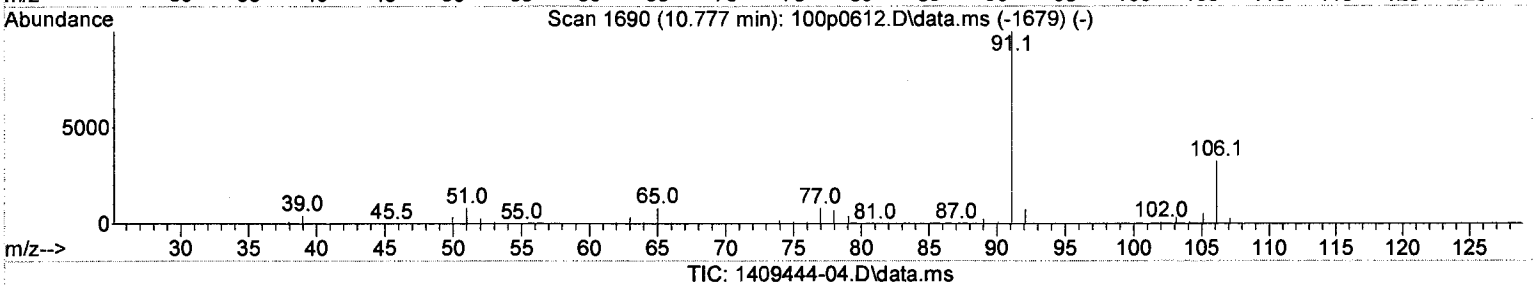
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409444-04.D\data.ms

(59) ethylbenzene (C)

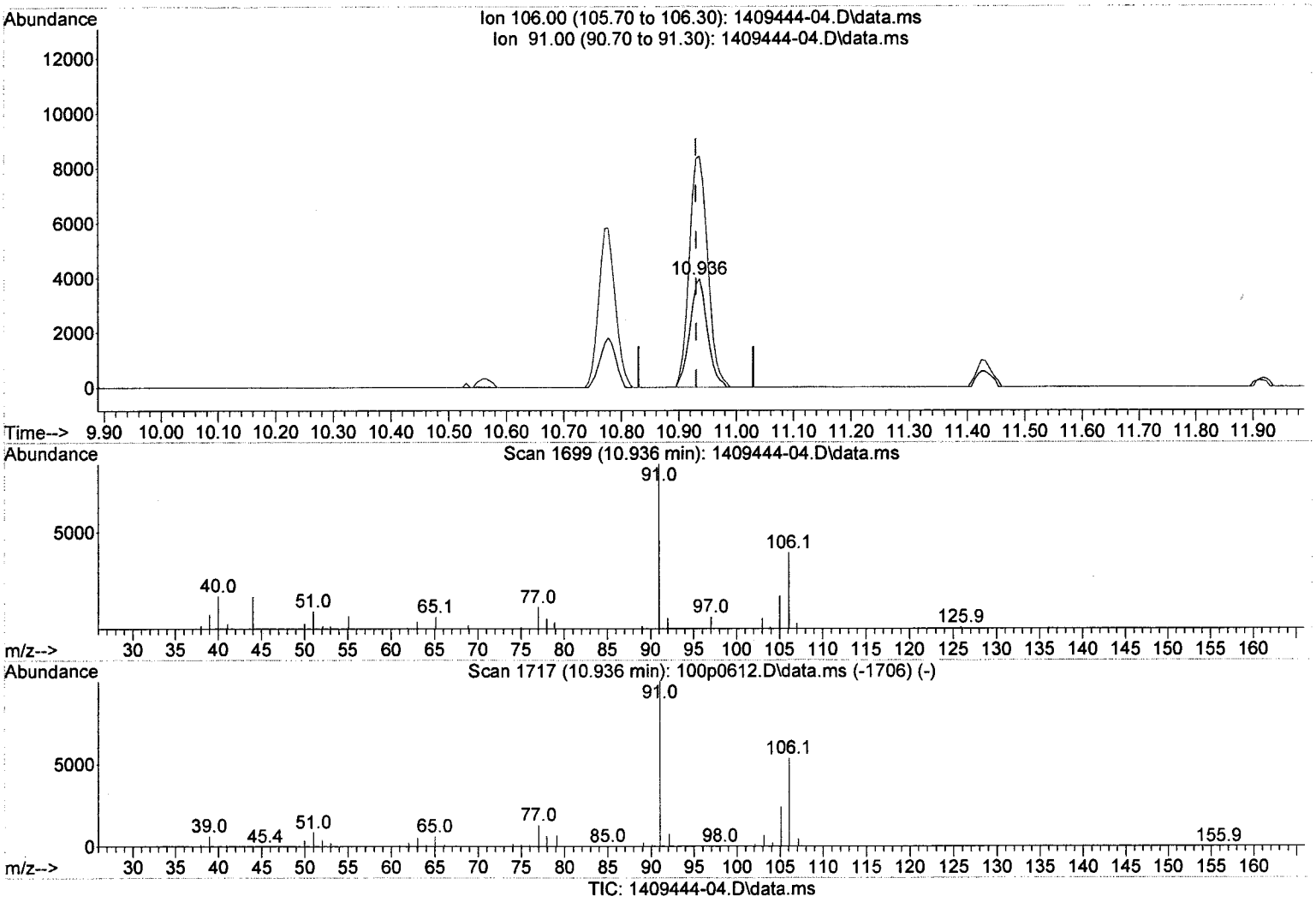
10.777min (+ 0.005) 0.58 ug/L

response 11738

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	29.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(60) m+p-xylene

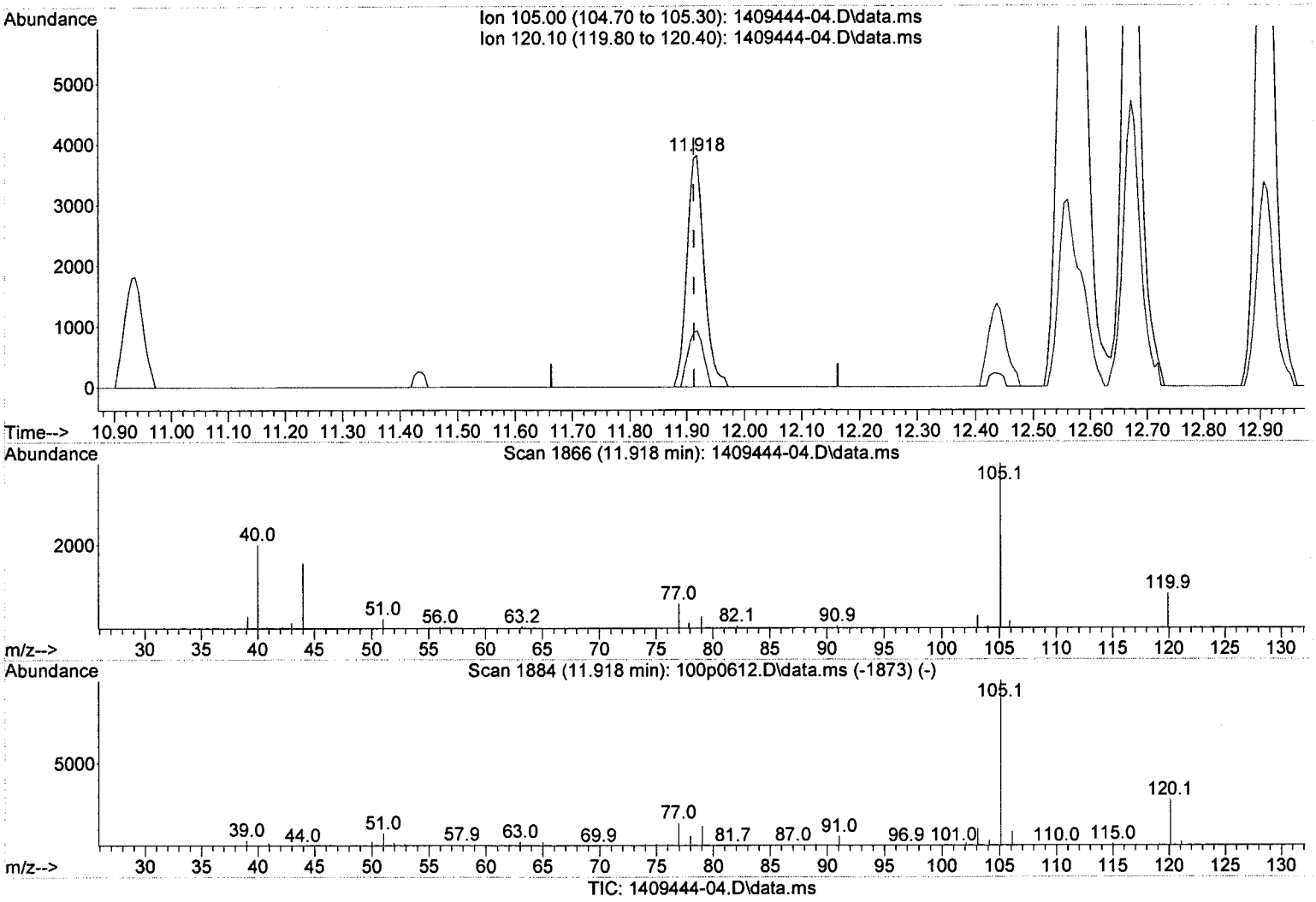
10.936min (+ 0.006) 1.10 ug/L

response 8235

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	225.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-04.D\data.ms

(66) isopropylbenzene

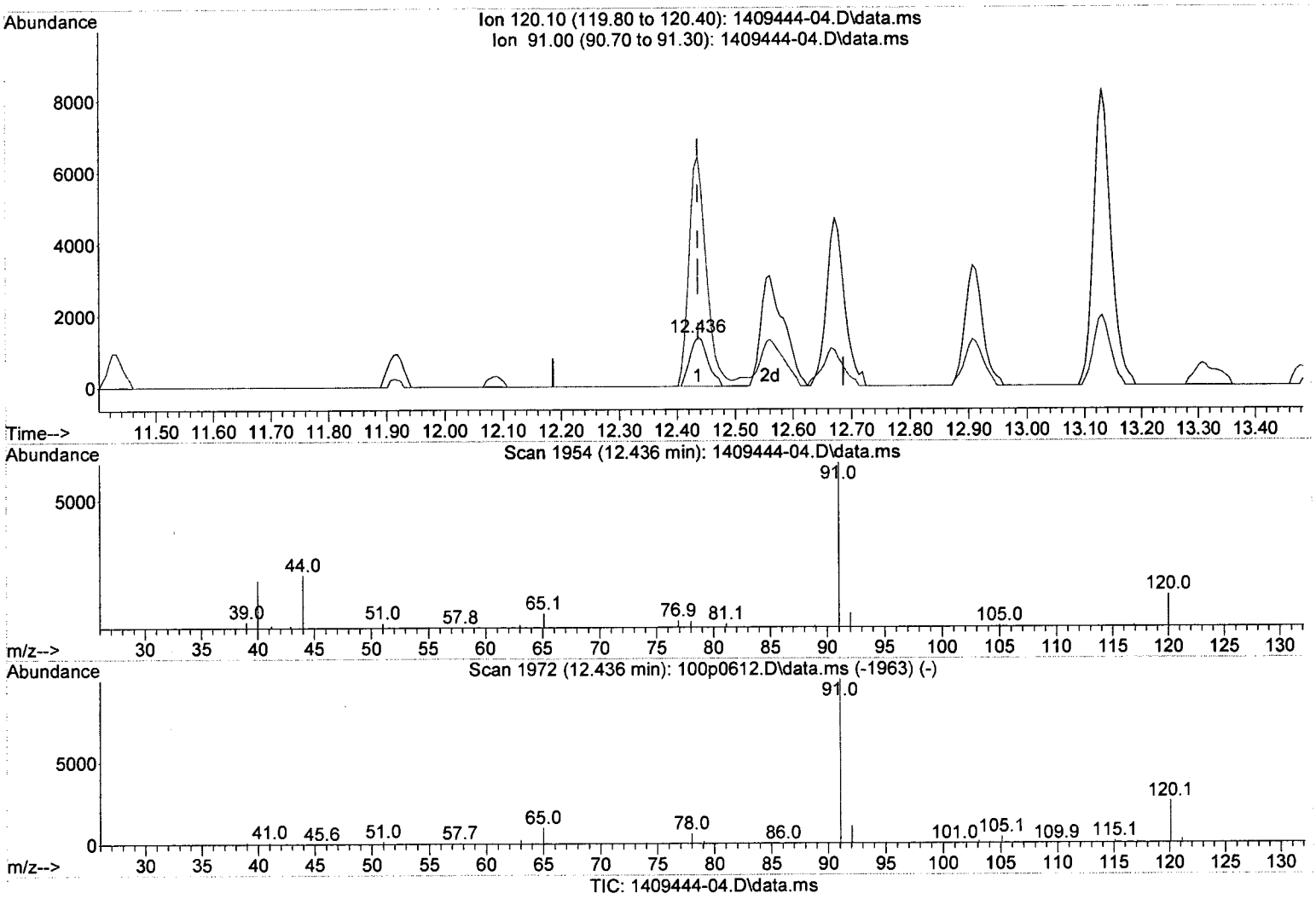
11.918min (+ 0.005) 0.43 ug/L

response 7965

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	26.00	21.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-04.D\data.ms

(71) n-propylbenzene

12.436min (+ 0.000) 0.57 ug/L

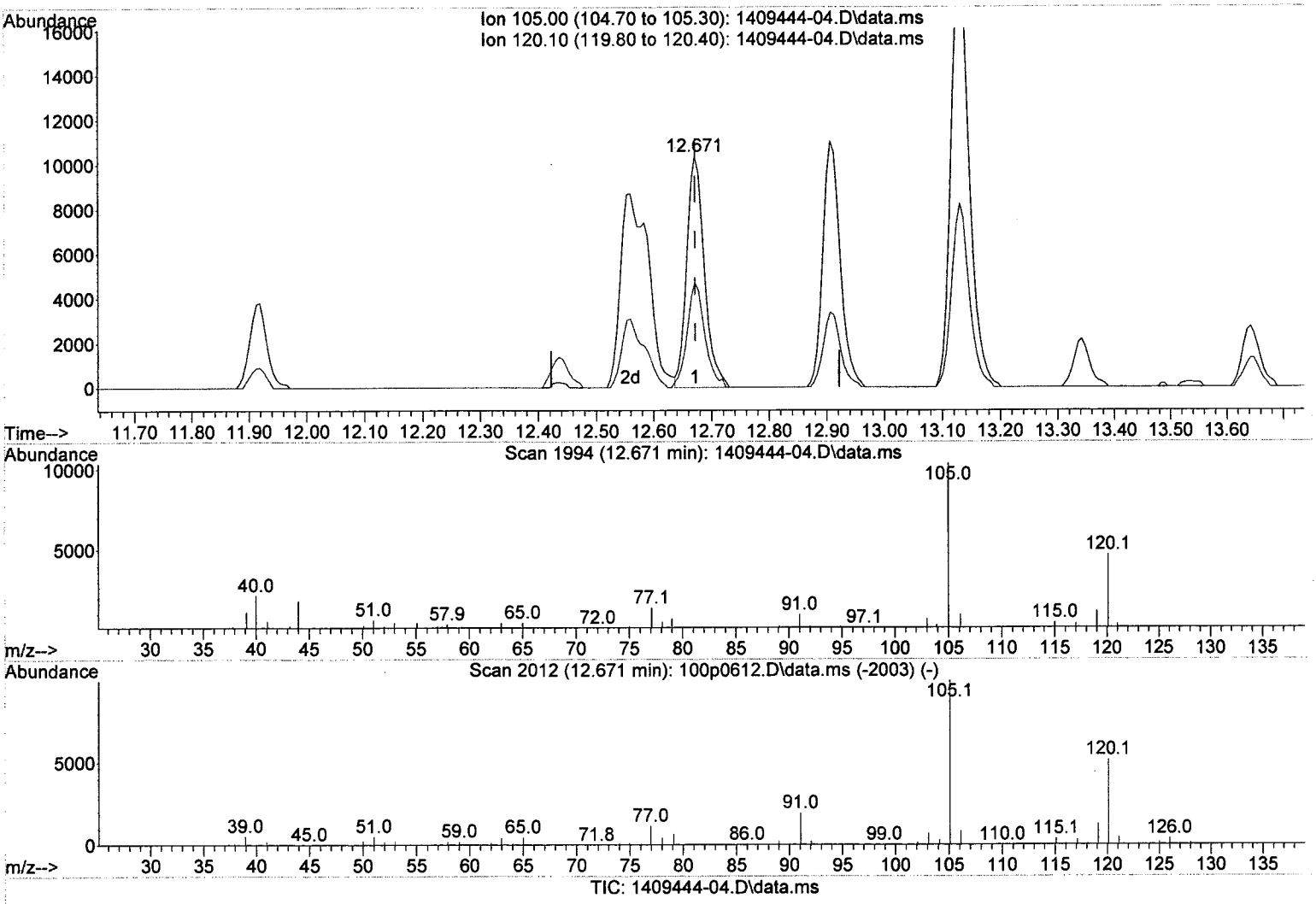
response 2902

Ion	Exp%	Act%
120.10	100.00	100.00
91.00	459.00	459.06
0.00	0.00	0.00
0.00	0.00	0.00

000658

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-04.D\data.ms

(73) 1,3,5-trimethylbenzene

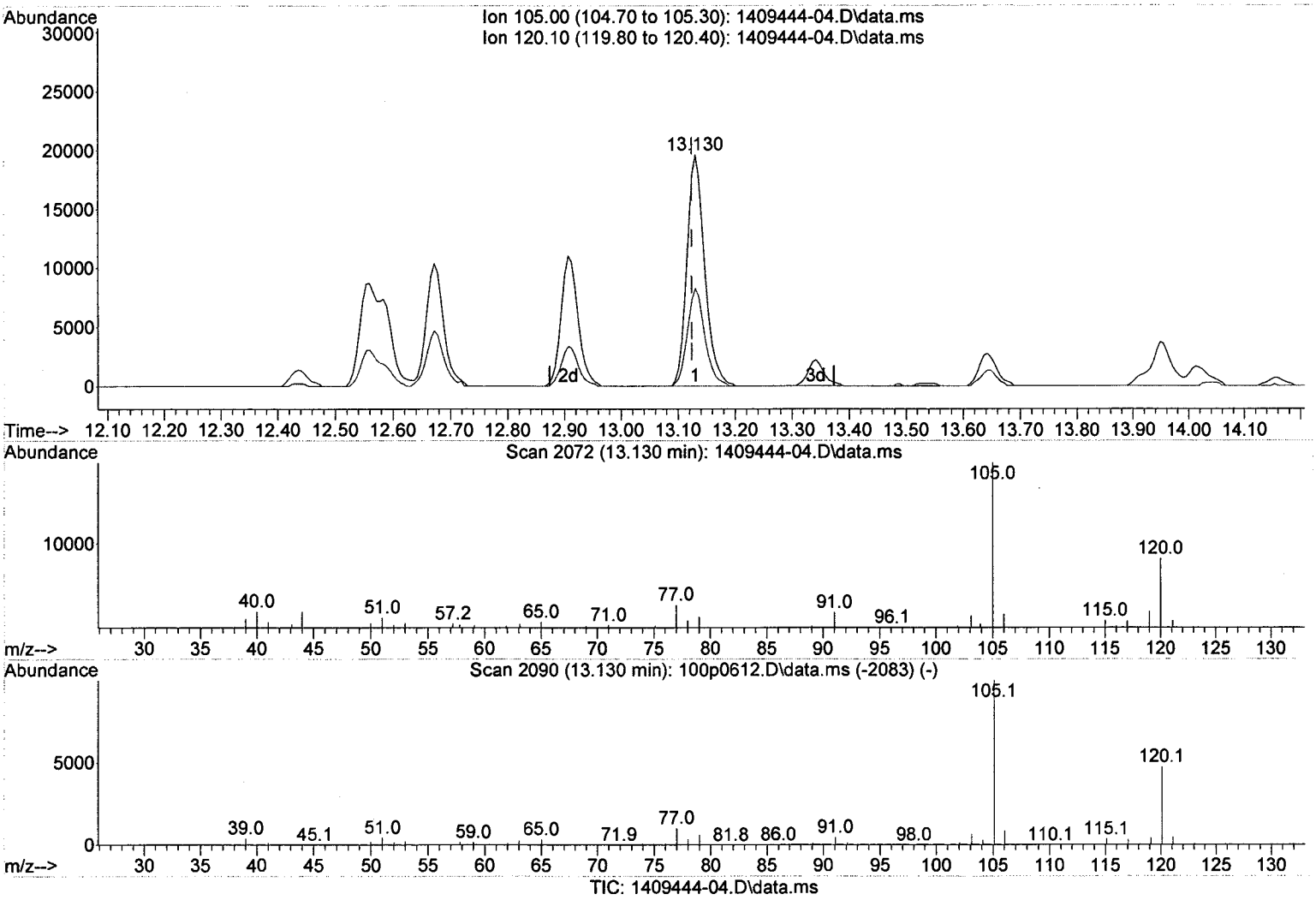
12.671min (-0.001) 1.37 ug/L

response 21787

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	48.20	45.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-04.D\data.ms

(76) 1,2,4-trimethylbenzene

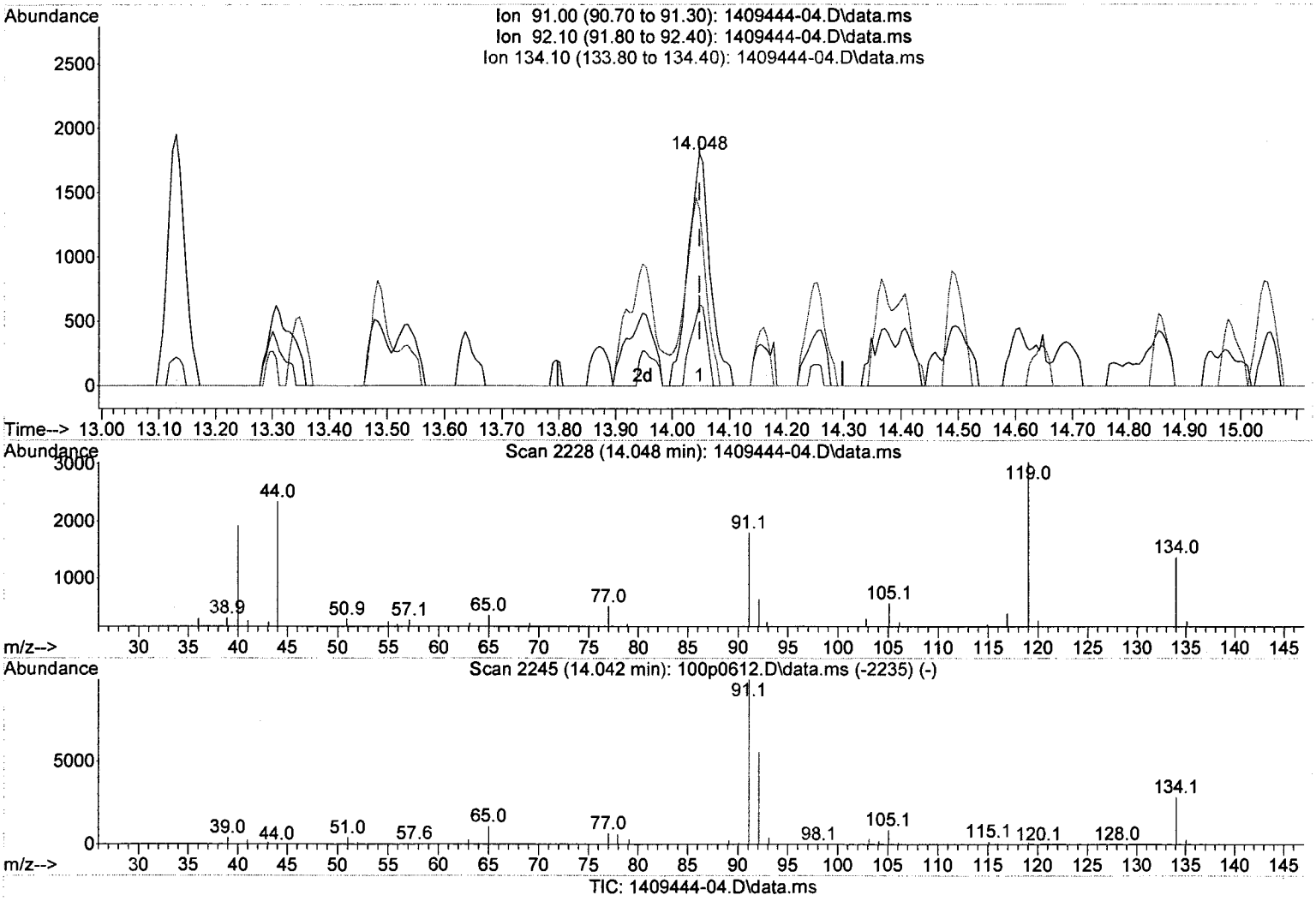
13.130min (+ 0.006) 2.64 ug/L

response 42046

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	41.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(82) n-butylbenzene

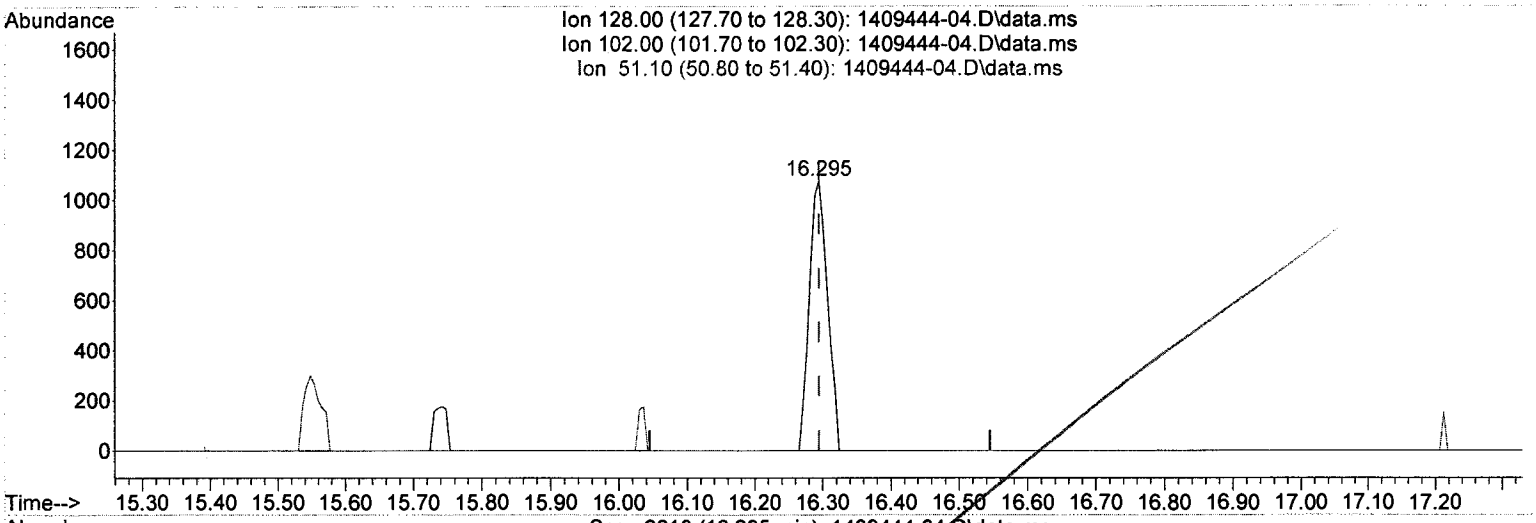
14.048min (-0.000) 0.29 ug/L

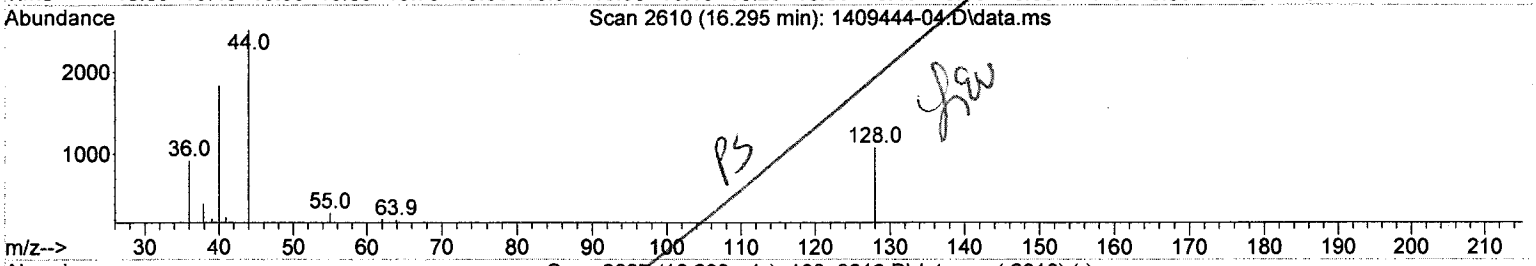
response 4798

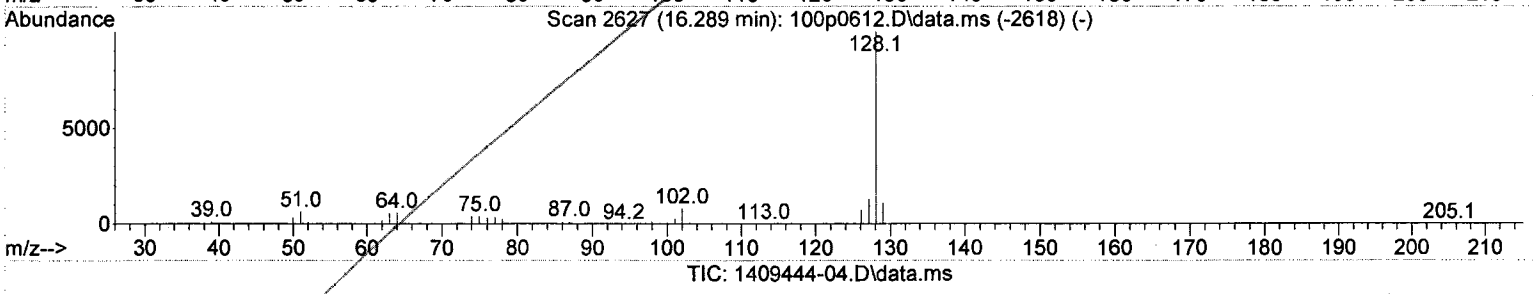
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	51.70	0.00#
134.10	24.30	75.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-04.D
Acq On : 01 Oct 2014 11:16
Operator : DLV
Sample : 1409444-04
Misc : AECOM
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 12:04:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409444-04.D\data.ms

(87) naphthalene

16.295min (-0.000) 3.82 ug/L

response 1984

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	0.00
51.10	7.40	0.00
0.00	0.00	0.00

000662

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB24-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-05 File ID: 1409444-05.D

Sampled: 09/24/14 13:15 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 11:39

Solids: 94.75 Preparation: 5035A Low Concentratio Initial/Final: 3.5 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	30	6.3	7.5	7.5	
71-43-2	Benzene	1	0.35	0.24	0.75	1.5	J
108-86-1	Bromobenzene	1	0.75	0.20	0.75	1.5	U
74-97-5	Bromochloromethane	1	0.75	0.22	0.75	1.5	U
75-27-4	Bromodichloromethane	1	0.75	0.26	0.75	1.5	U
75-25-2	Bromoform	1	0.75	0.54	0.75	1.5	U
74-83-9	Bromomethane	1	0.75	0.49	0.75	1.5	U
104-51-8	n-Butylbenzene	1	0.75	0.39	0.75	1.5	U
135-98-8	sec-Butylbenzene	1	0.75	0.32	0.75	1.5	U
98-06-6	tert-Butylbenzene	1	0.75	0.25	0.75	1.5	U
75-15-0	Carbon Disulfide	1	11	0.35	0.75	1.5	
56-23-5	Carbon Tetrachloride	1	0.75	0.49	0.75	1.5	U
108-90-7	Chlorobenzene	1	0.75	0.23	0.75	1.5	U
75-00-3	Chloroethane	1	1.5	0.76	1.5	1.5	U
67-66-3	Chloroform	1	0.75	0.21	0.75	1.5	U
74-87-3	Chloromethane	1	0.75	0.38	0.75	1.5	U
95-49-8	2-Chlorotoluene	1	0.75	0.44	0.75	1.5	U
106-43-4	4-Chlorotoluene	1	0.30	0.30	0.30	1.5	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.5	0.89	1.5	7.5	U
124-48-1	Dibromochloromethane	1	0.75	0.28	0.75	1.5	U
106-93-4	1,2-Dibromoethane	1	0.75	0.23	0.75	1.5	U
74-95-3	Dibromomethane	1	0.75	0.34	0.75	1.5	U
95-50-1	1,2-Dichlorobenzene	1	0.30	0.14	0.30	1.5	U
541-73-1	1,3-Dichlorobenzene	1	0.30	0.16	0.30	1.5	U
106-46-7	1,4-Dichlorobenzene	1	0.30	0.16	0.30	1.5	U
75-71-8	Dichlorodifluoromethane	1	0.75	0.22	0.75	1.5	U
75-34-3	1,1-Dichloroethane	1	0.75	0.32	0.75	1.5	U
107-06-2	1,2-Dichloroethane	1	0.75	0.34	0.75	1.5	U
75-35-4	1,1-Dichloroethene	1	0.75	0.46	0.75	1.5	U
156-59-2	cis-1,2-Dichloroethene	1	0.75	0.34	0.75	1.5	U
156-60-5	trans-1,2-Dichloroethene	1	0.75	0.41	0.75	1.5	U
78-87-5	1,2-Dichloropropane	1	0.75	0.26	0.75	1.5	U
142-28-9	1,3-Dichloropropane	1	0.75	0.21	0.75	1.5	U
594-20-7	2,2-Dichloropropane	1	0.75	0.35	0.75	1.5	U
563-58-6	1,1-Dichloropropene	1	0.75	0.42	0.75	1.5	U
10061-01-5	cis-1,3-Dichloropropene	1	0.30	0.17	0.30	1.5	U
10061-02-6	trans-1,3-Dichloropropene	1	0.75	0.18	0.75	1.5	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB24-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-05 File ID: 1409444-05.D

Sampled: 09/24/14 13:15 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 11:39

Solids: 94.75 Preparation: 5035A Low Concentratio Initial/Final: 3.5 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.75	0.28	0.75	1.5	U
87-68-3	Hexachlorobutadiene	1	0.75	0.31	0.75	1.5	U
591-78-6	2-Hexanone	1	0.75	0.72	0.75	7.5	U
98-82-8	Isopropylbenzene	1	0.30	0.17	0.30	1.5	U
99-87-6	4-Isopropyltoluene	1	0.75	0.36	0.75	1.5	U
75-09-2	Methylene Chloride	1	1.5	0.71	1.5	7.5	U
78-93-3	2-Butanone (MEK)	1	7.5	1.7	7.5	7.5	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.75	0.58	0.75	7.5	U
91-20-3	Naphthalene	1	0.75	0.24	0.75	7.5	U
103-65-1	n-Propylbenzene	1	0.75	0.17	0.75	1.5	U
100-42-5	Styrene	1	0.30	0.30	0.30	1.5	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.75	0.22	0.75	1.5	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.75	0.22	0.75	1.5	U
127-18-4	Tetrachloroethene	1	0.75	0.26	0.75	1.5	U
108-88-3	Toluene	1	0.71	0.15	0.30	1.5	J
87-61-6	1,2,3-Trichlorobenzene	1	0.75	0.43	0.75	1.5	U
120-82-1	1,2,4-Trichlorobenzene	1	0.75	0.26	0.75	1.5	U
71-55-6	1,1,1-Trichloroethane	1	0.75	0.22	0.75	1.5	U
79-00-5	1,1,2-Trichloroethane	1	0.75	0.32	0.75	1.5	U
79-01-6	Trichloroethene	1	0.75	0.36	0.75	1.5	U
75-69-4	Trichlorofluoromethane	1	0.75	0.26	0.75	1.5	U
96-18-4	1,2,3-Trichloropropane	1	0.75	0.34	0.75	1.5	U
95-63-6	1,2,4-Trimethylbenzene	1	0.23	0.17	0.75	1.5	J
108-67-8	1,3,5-Trimethylbenzene	1	0.75	0.29	0.75	1.5	U
75-01-4	Vinyl Chloride	1	0.75	0.30	0.75	1.5	U
179601-23-1	Xylene, Meta + Para	1	0.78	0.22	0.60	3.0	J
95-47-6	Xylene, Ortho	1	0.30	0.17	0.30	1.5	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.6	104	78 - 119	
1,2-Dichloroethane-d4	40.0	44.3	111	71 - 136	
Toluene-d8	40.0	39.7	99	85 - 116	
4-Bromofluorobenzene	40.0	38.9	97	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	497639	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB24-07

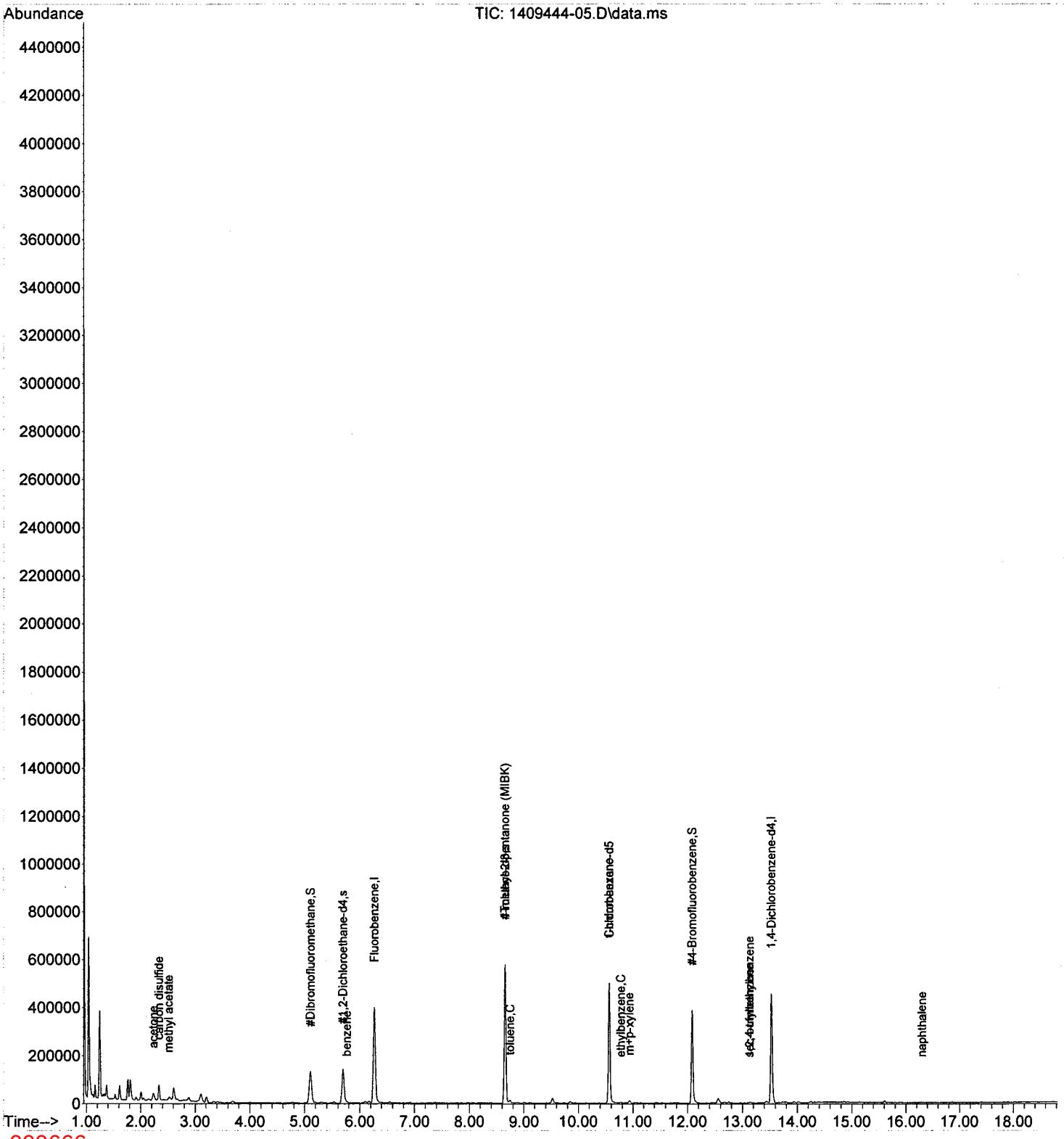
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-05
File ID: 1409444-05.D
Sampled: 09/24/14 13:15
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 11:39
Solids: 94.75
Preparation: 5035A Low Concentratio
Initial/Final: 3.5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	343035	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	156808	13.525	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-05.D
Acq On : 01 Oct 2014 11:39
Operator : DLV
Sample : 1409444-05
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 12:05:03 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-05.D
Acq On : 01 Oct 2014 11:39
Operator : DLV
Sample : 1409444-05
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 12:05:03 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	497639	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	343035	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	156808	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.108	111	130068	41.56	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.90%				
37) #1,2-Dichloroethane-d4	5.690	67	79041	44.28	ug/L		0.00
Spiked Amount 40.000			Recovery = 110.70%				
46) #Toluene-d8	8.654	98	479472	39.68	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.20%				
64) #4-Bromofluorobenzene	12.084	95	167296	38.90	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.25%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	48593	19.62	ug/L		96
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	81788	7.14	ug/L		100
16) methyl acetate	2.514	43	3351	1.01	ug/L	#	60
17) methylene chloride	2.608	49	29108	Below Cal			99
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	6823	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.760	78	4085	0.23	ug/L	#	65
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

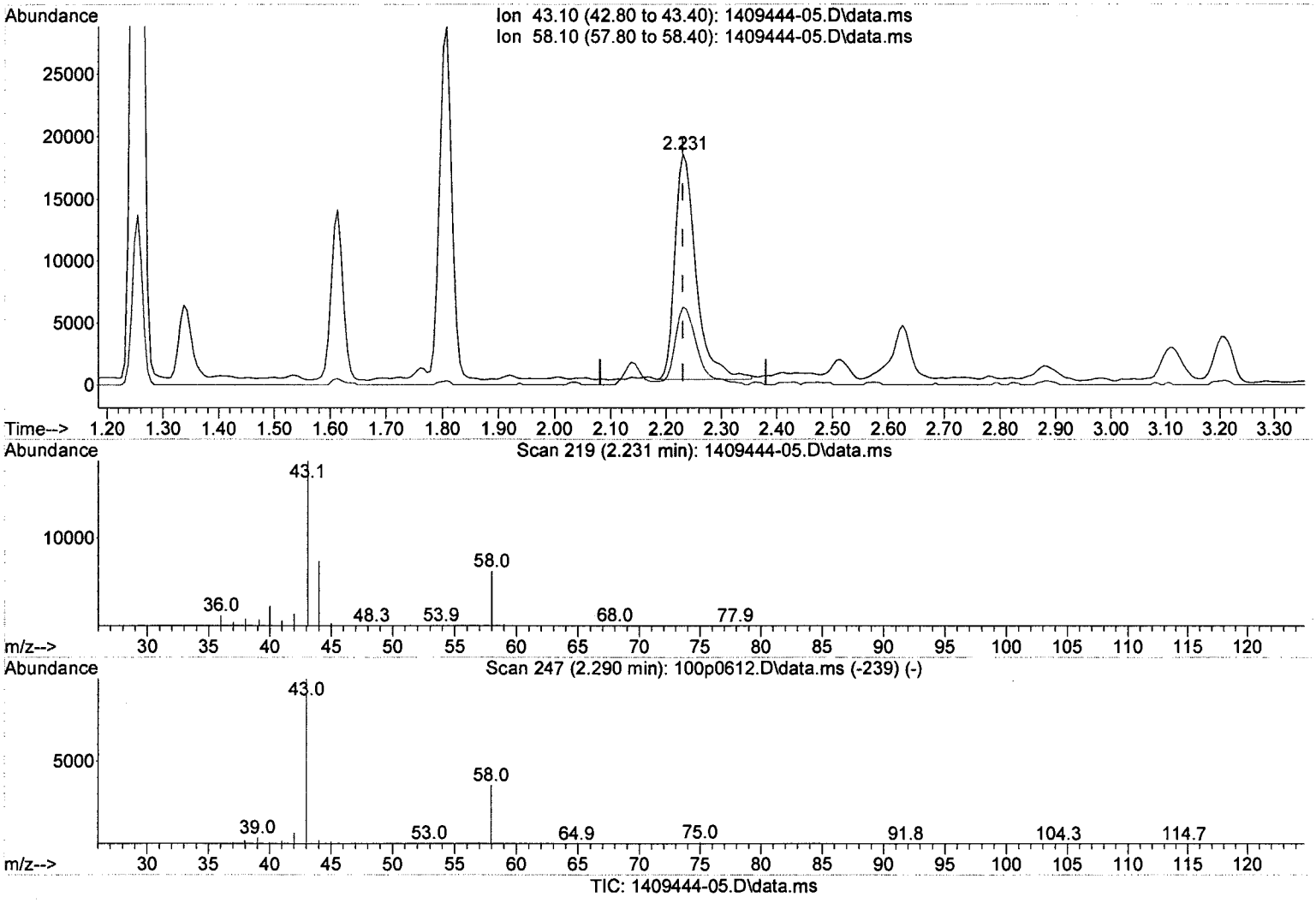
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-05.D
Acq On : 01 Oct 2014 11:39
Operator : DLV
Sample : 1409444-05
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 12:05:03 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	8.654	43	1506	~~0.39~~	ug/L	#	1
47)	toluene	8.743	91	8599	0.47	ug/L		99
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	0.000		0	N.D.			
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.560	55	2701	0.60	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.772	91	2902	0.15	ug/L	#	44
60)	m+p-xylene	10.931	106	3850	0.52	ug/L		99
61)	o-xylene	0.000		0	N.D.			
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	13.131	105	2239	0.15	ug/L	#	32
77)	sec-butylbenzene	13.131	105	2239	0.12	ug/L	#	57
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	16.295	128	1823	~~3.82~~	ug/L	#	78
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-05.D
Acq On : 01 Oct 2014 11:39
Operator : DLV
Sample : 1409444-05
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 12:05:03 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-05.D\data.ms

(13) acetone

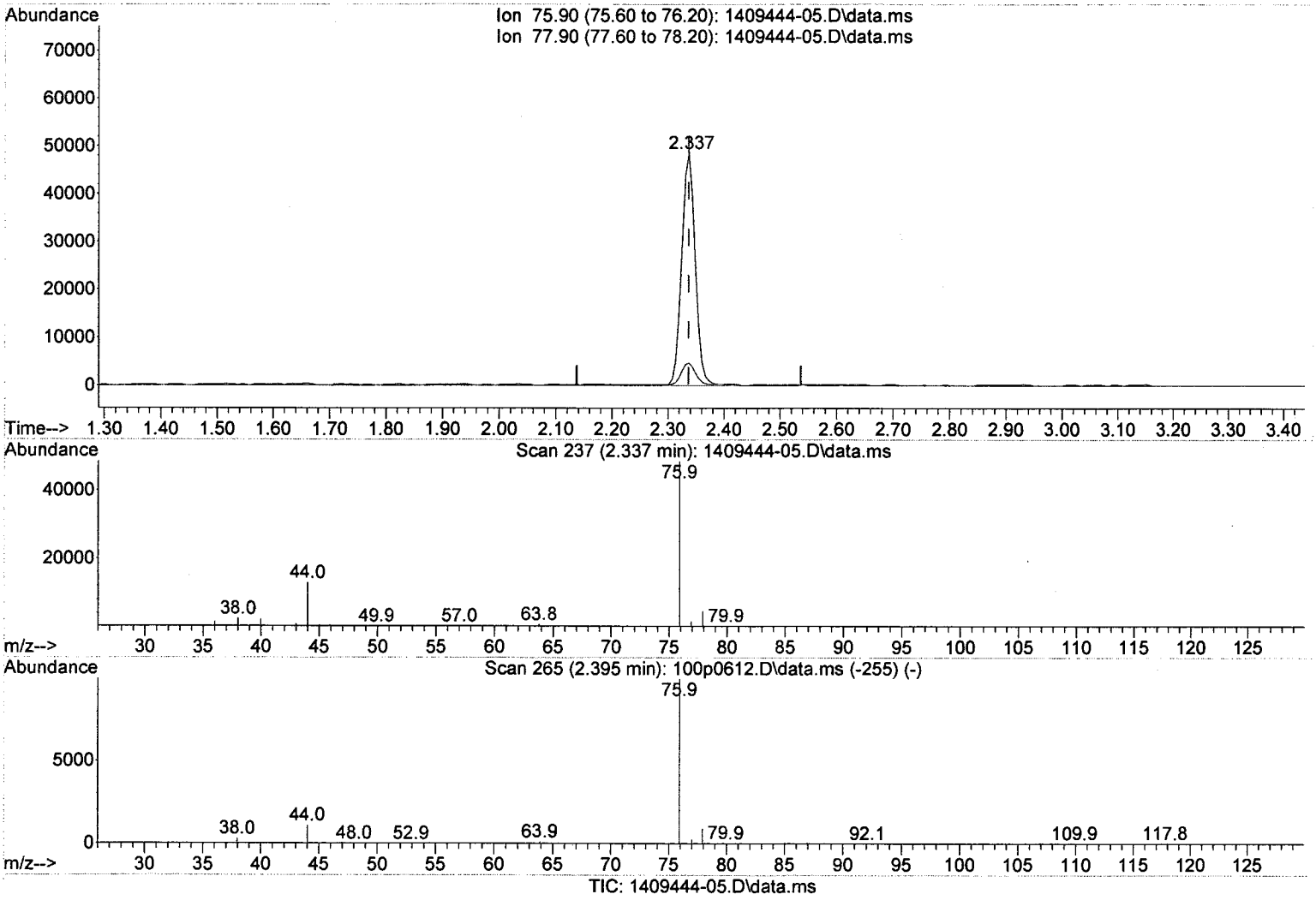
2.231min (+ 0.000) 19.62 ug/L

response 48593

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	36.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-05.D
Acq On : 01 Oct 2014 11:39
Operator : DLV
Sample : 1409444-05
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 12:05:03 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-05.D\data.ms

(15) carbon disulfide

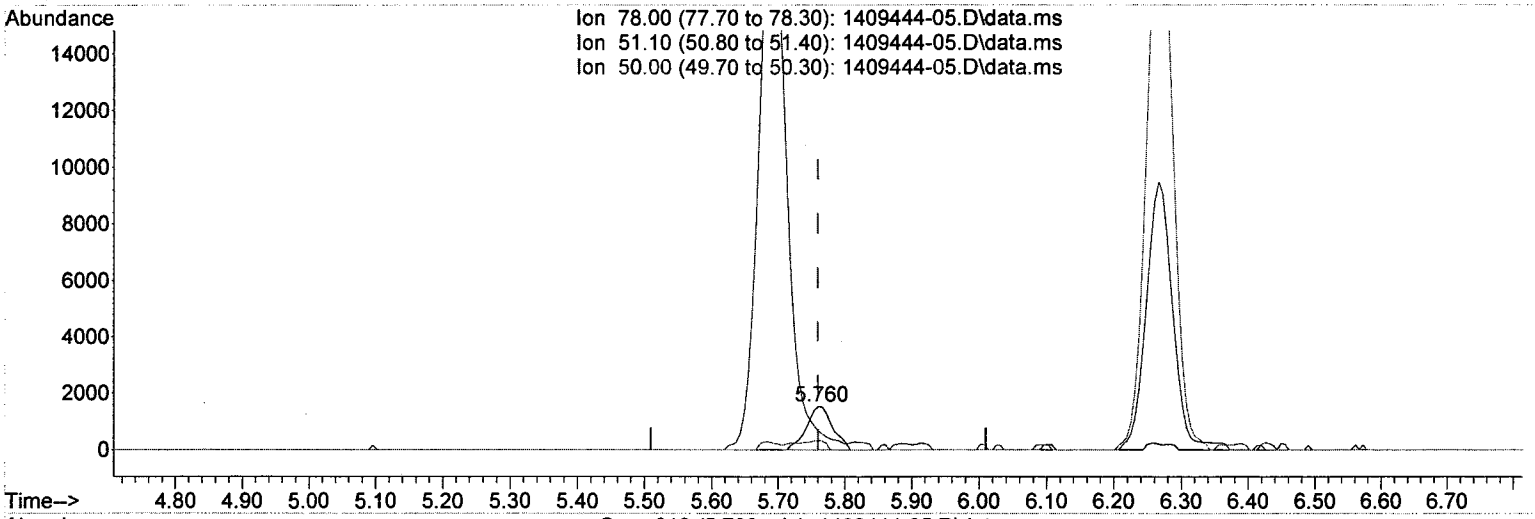
2.337min (+ 0.000) 7.14 ug/L

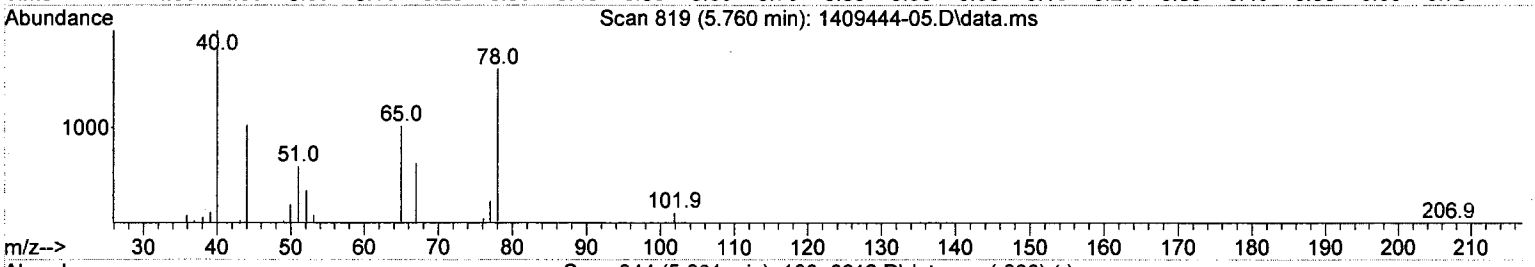
response 81788

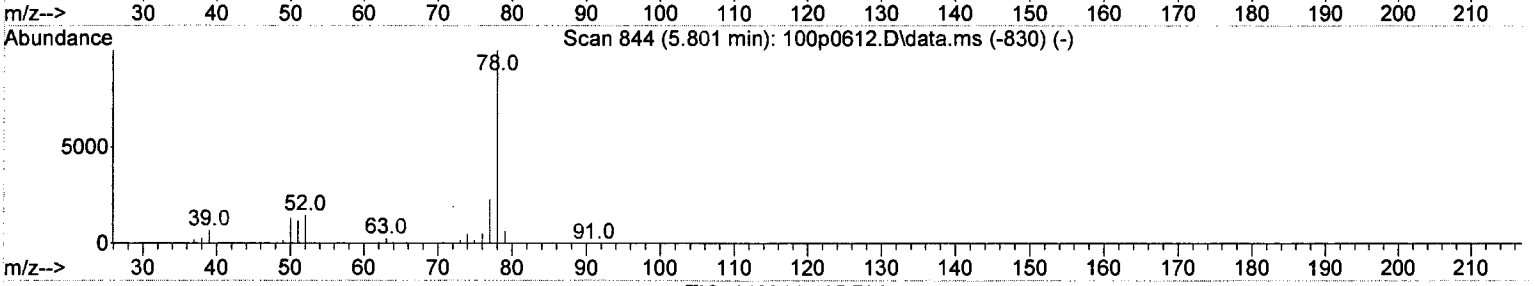
Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.50	9.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-05.D
Acq On : 01 Oct 2014 11:39
Operator : DLV
Sample : 1409444-05
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 12:05:03 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409444-05.D\data.ms

(34) benzene

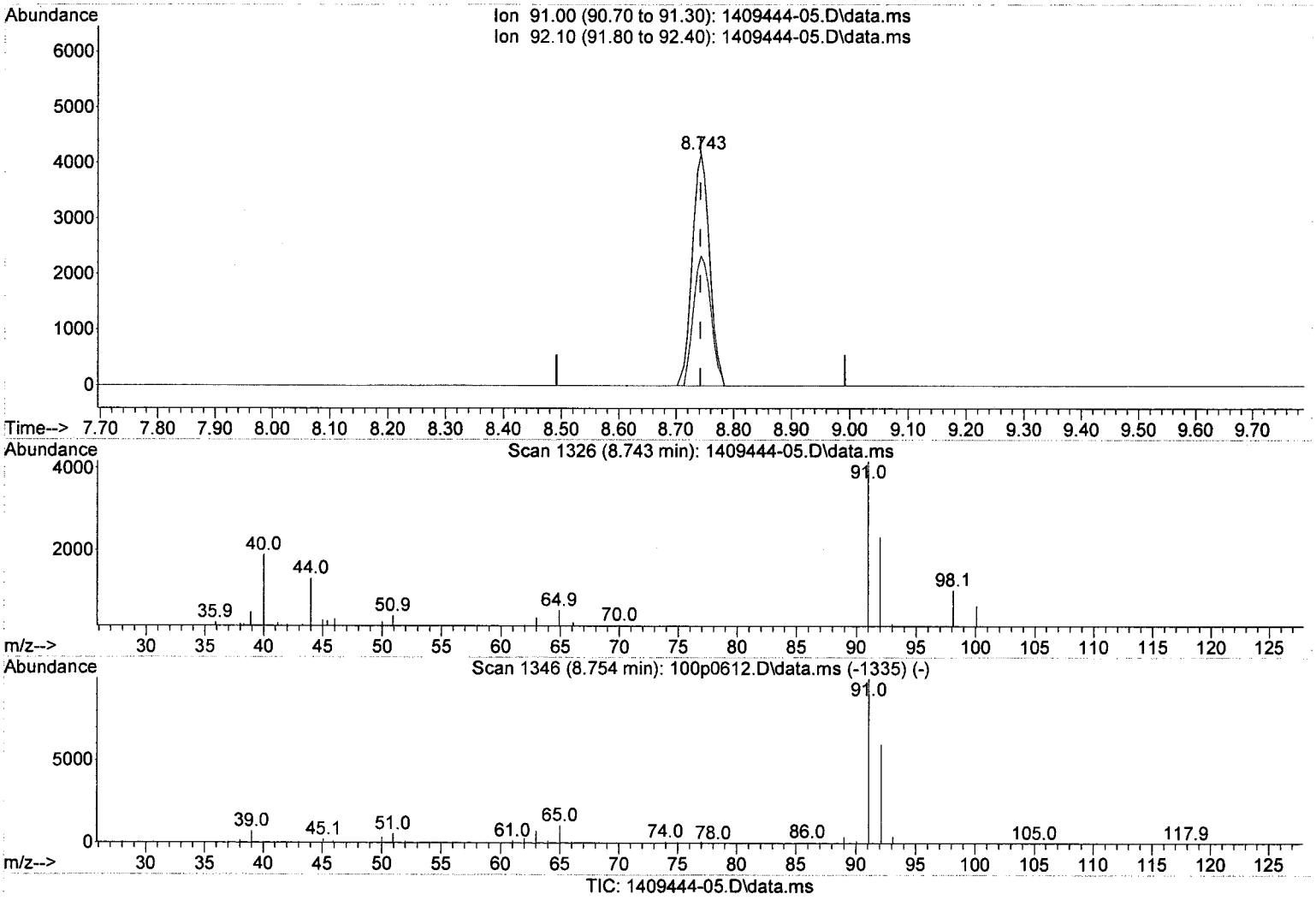
5.760min (+ 0.000) 0.23 ug/L

response 4085

Ion	Exp%	Act%
78.00	100.00	100.00
51.10	13.10	0.00
50.00	15.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-05.D
Acq On : 01 Oct 2014 11:39
Operator : DLV
Sample : 1409444-05
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 12:05:03 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-05.D\data.ms

(47) toluene (C)

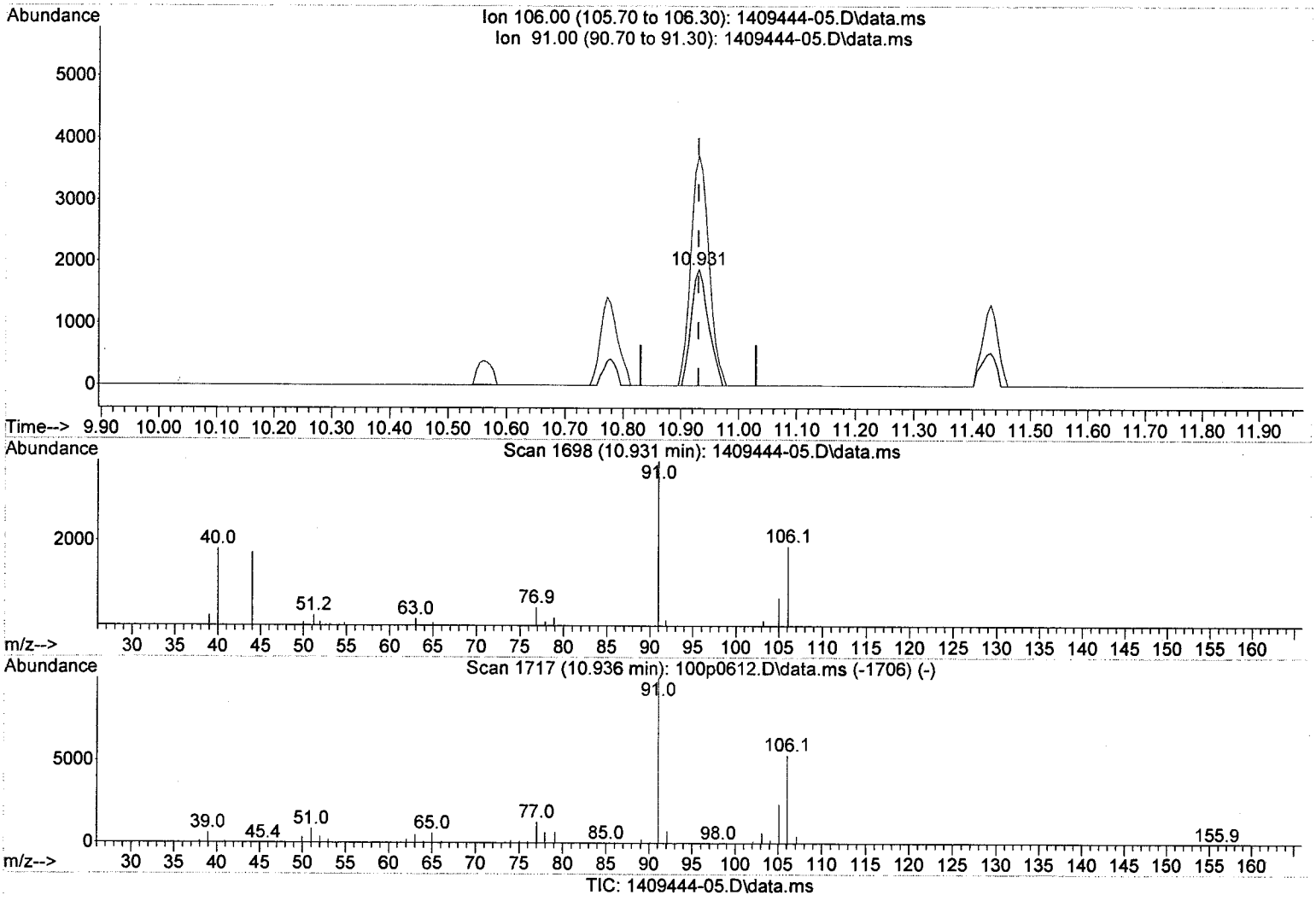
8.743min (+ 0.001) 0.47 ug/L

response 8599

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	56.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-05.D
Acq On : 01 Oct 2014 11:39
Operator : DLV
Sample : 1409444-05
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 12:05:03 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-05.D\data.ms

(60) m+p-xylene

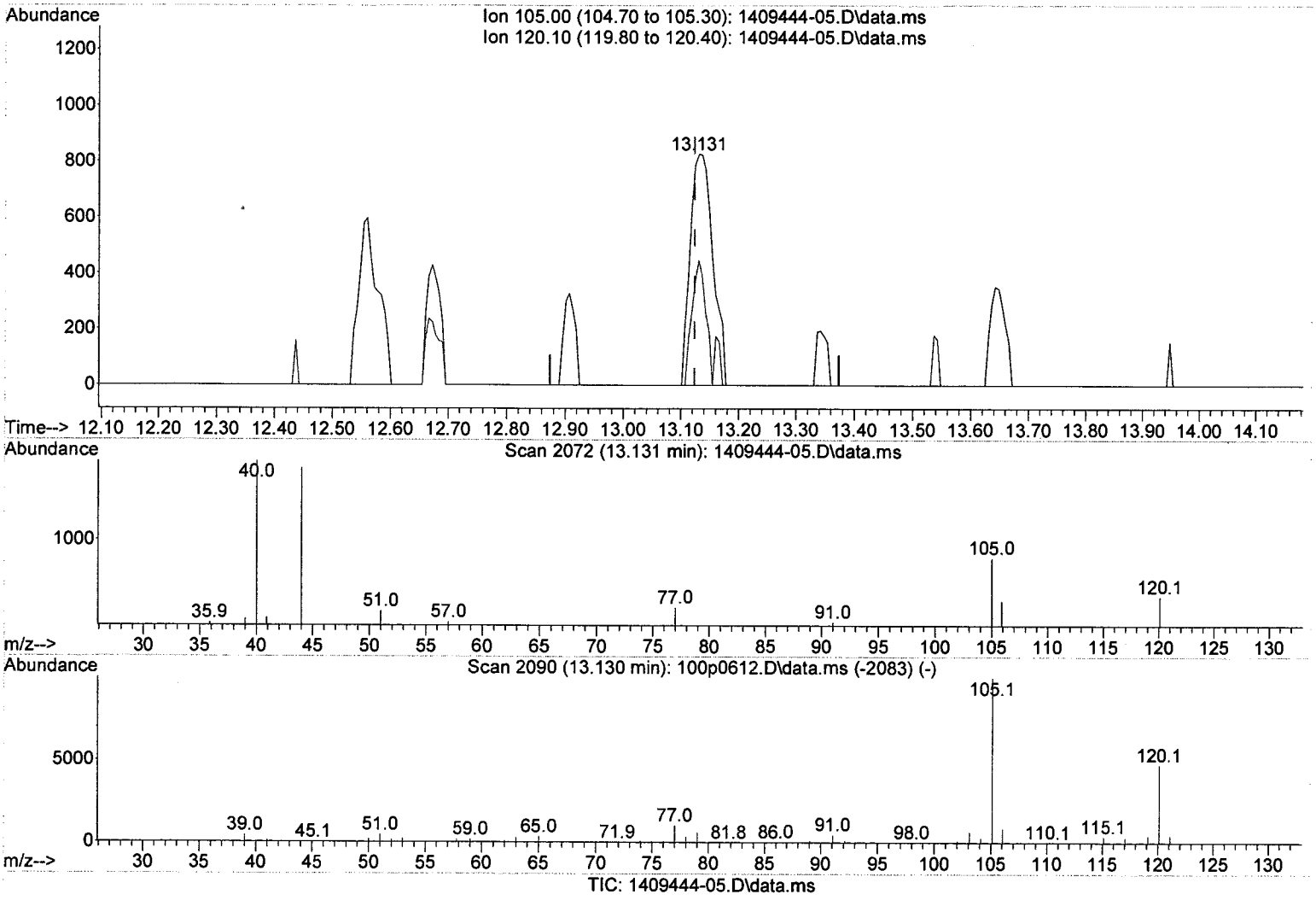
10.931min (+ 0.001) 0.52 ug/L

response 3850

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	208.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-05.D
Acq On : 01 Oct 2014 11:39
Operator : DLV
Sample : 1409444-05
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 12:05:03 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(76) 1,2,4-trimethylbenzene

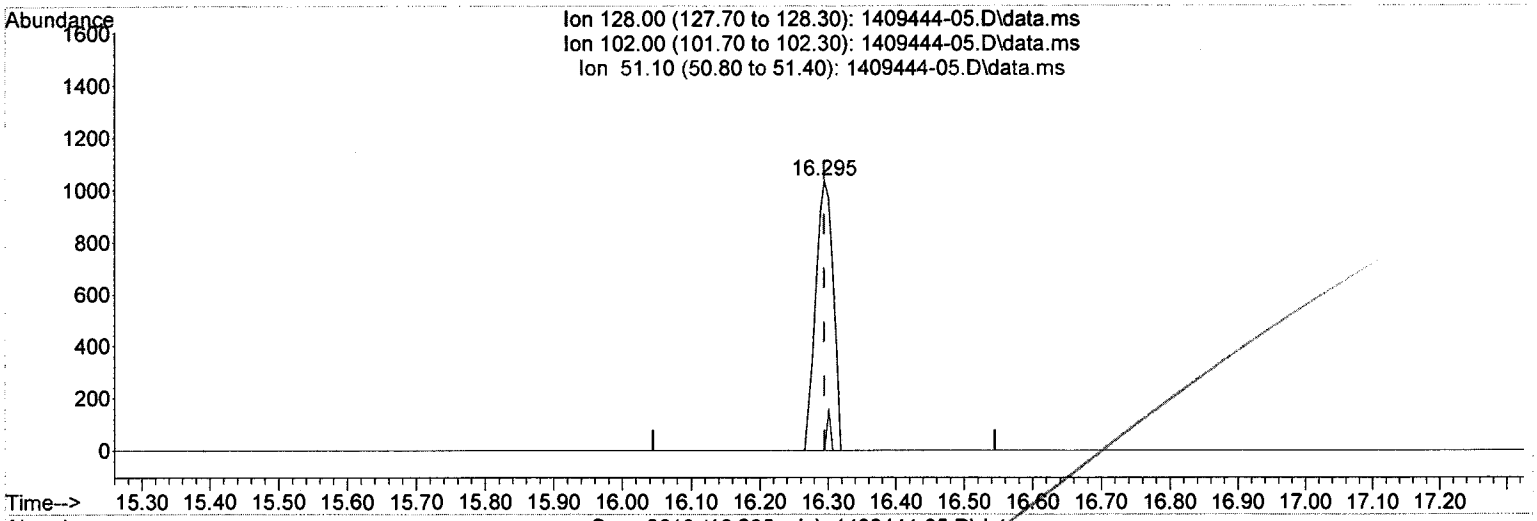
13.131min (+ 0.007) 0.15 ug/L

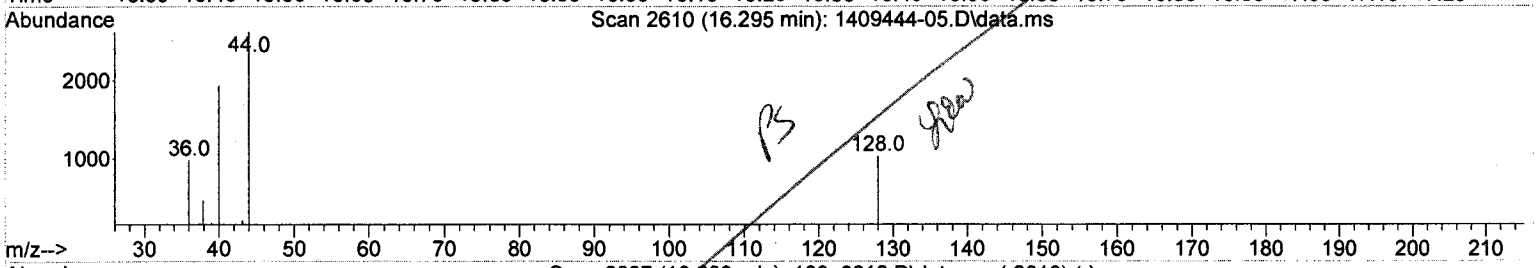
response 2239

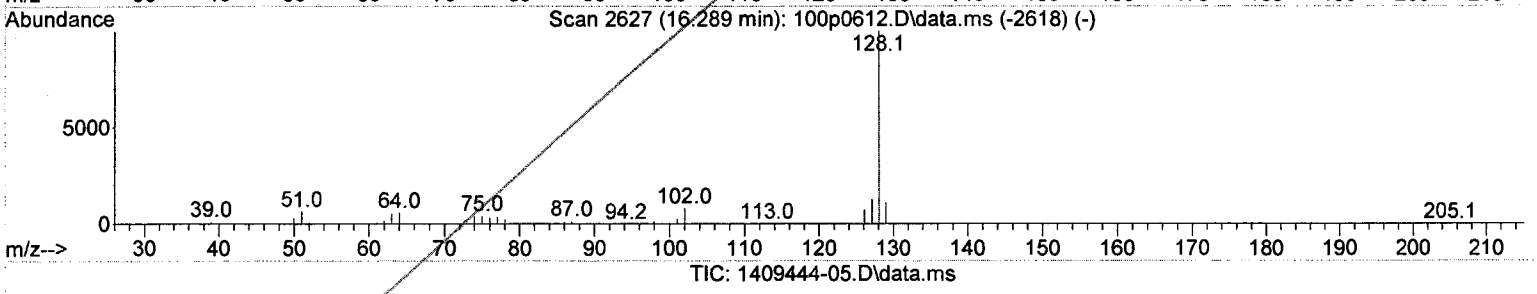
Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-05.D
Acq On : 01 Oct 2014 11:39
Operator : DLV
Sample : 1409444-05
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 01 12:05:03 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409444-05.D\data.ms

(87) naphthalene

16.295min (+ 0.000) 3.82 ug/L

response 1823

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	0.00
51.10	7.40	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB24-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-06
File ID: 1409444-06.D
Sampled: 09/24/14 13:55
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 12:03
Solids: 96.70
Preparation: 5035A Low Concentratio
Initial/Final: 4.8 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.2	4.3	5.2	5.2	U
71-43-2	Benzene	1	0.52	0.17	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.52	0.24	0.52	1.0	U
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.16	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.26	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.096	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.23	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.23	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.13	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB24-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-06
File ID: 1409444-06.D
Sampled: 09/24/14 13:55
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 12:03
Solids: 96.70
Preparation: 5035A Low Concentratio
Initial/Final: 4.8 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.52	0.19	0.52	1.0	U
87-68-3	Hexachlorobutadiene	1	0.52	0.21	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	5.2	1.1	5.2	5.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	0.52	0.18	0.52	1.0	U
108-88-3	Toluene	1	0.16	0.10	0.21	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.34	0.12	0.52	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.24	0.20	0.52	1.0	J
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.15	0.41	2.1	J
95-47-6	Xylene, Ortho	1	0.21	0.11	0.21	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.7	104	78 - 119	
1,2-Dichloroethane-d4	40.0	43.4	108	71 - 136	
Toluene-d8	40.0	38.8	97	85 - 116	
4-Bromofluorobenzene	40.0	40.1	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	472622	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB24-33

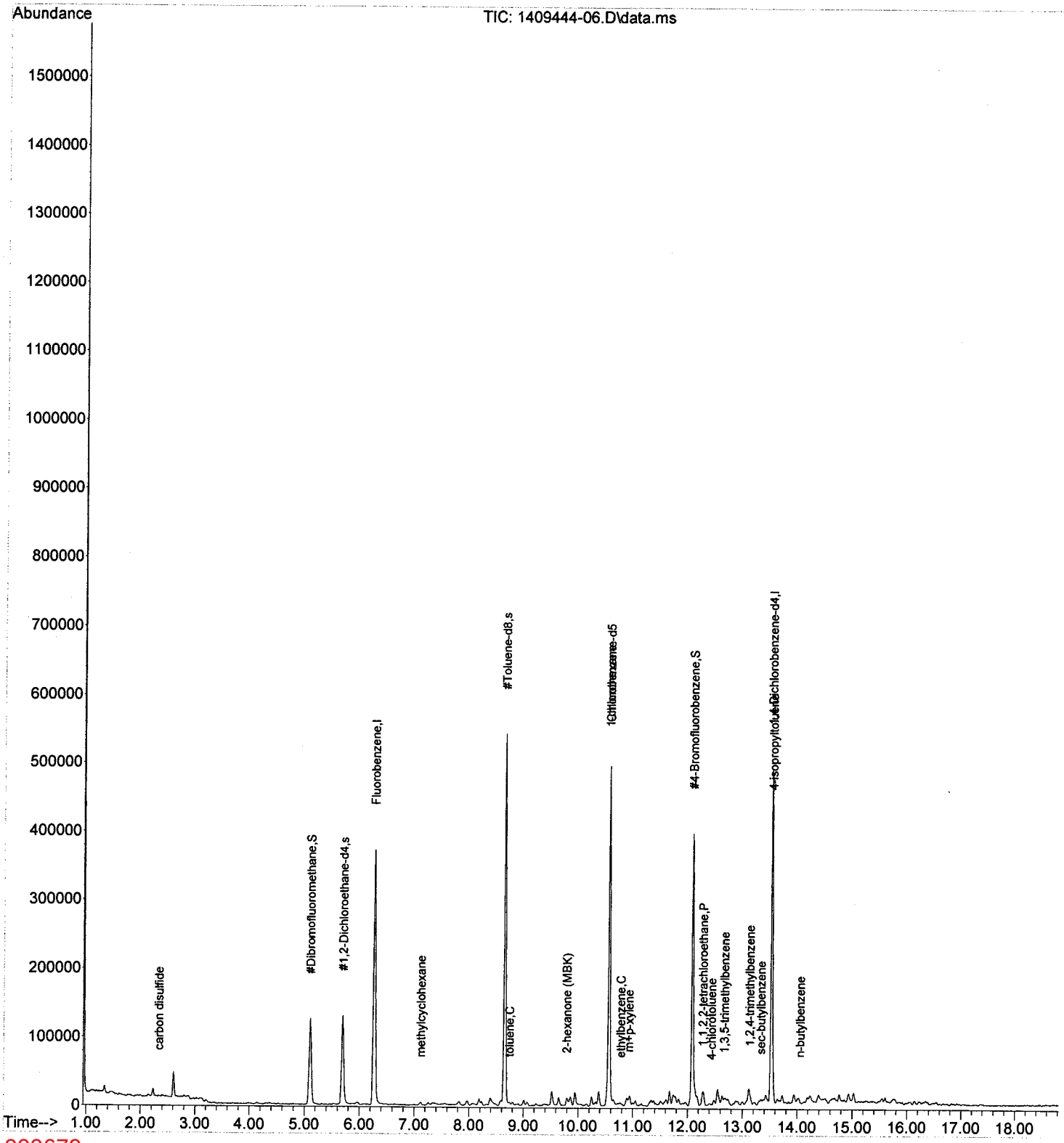
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-06
File ID: 1409444-06.D
Sampled: 09/24/14 13:55
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 12:03
Solids: 96.70
Preparation: 5035A Low Concentratio
Initial/Final: 4.8 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	336900	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	167095	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-06.D
Acq On : 01 Oct 2014 12:03
Operator : DLV
Sample : 1409444-06
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 12:58:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-06.D
Acq On : 01 Oct 2014 12:03
Operator : DLV
Sample : 1409444-06
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 12:58:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	472622	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	336900	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	167095	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	123941	41.70	ug/L		0.00
Spiked Amount 40.000			Recovery = 104.25%				
37) #1,2-Dichloroethane-d4	5.695	67	73525	43.37	ug/L		0.00
Spiked Amount 40.000			Recovery = 108.43%				
46) #Toluene-d8	8.654	98	445367	38.81	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.03%				
64) #4-Bromofluorobenzene	12.083	95	169508	40.13	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.33%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	15442	Below Cal			100
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	1543	0.14	ug/L	#	74
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	22036	Below Cal			97
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.313	43	3201	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	5.960	57	4318	No Calib		#	
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

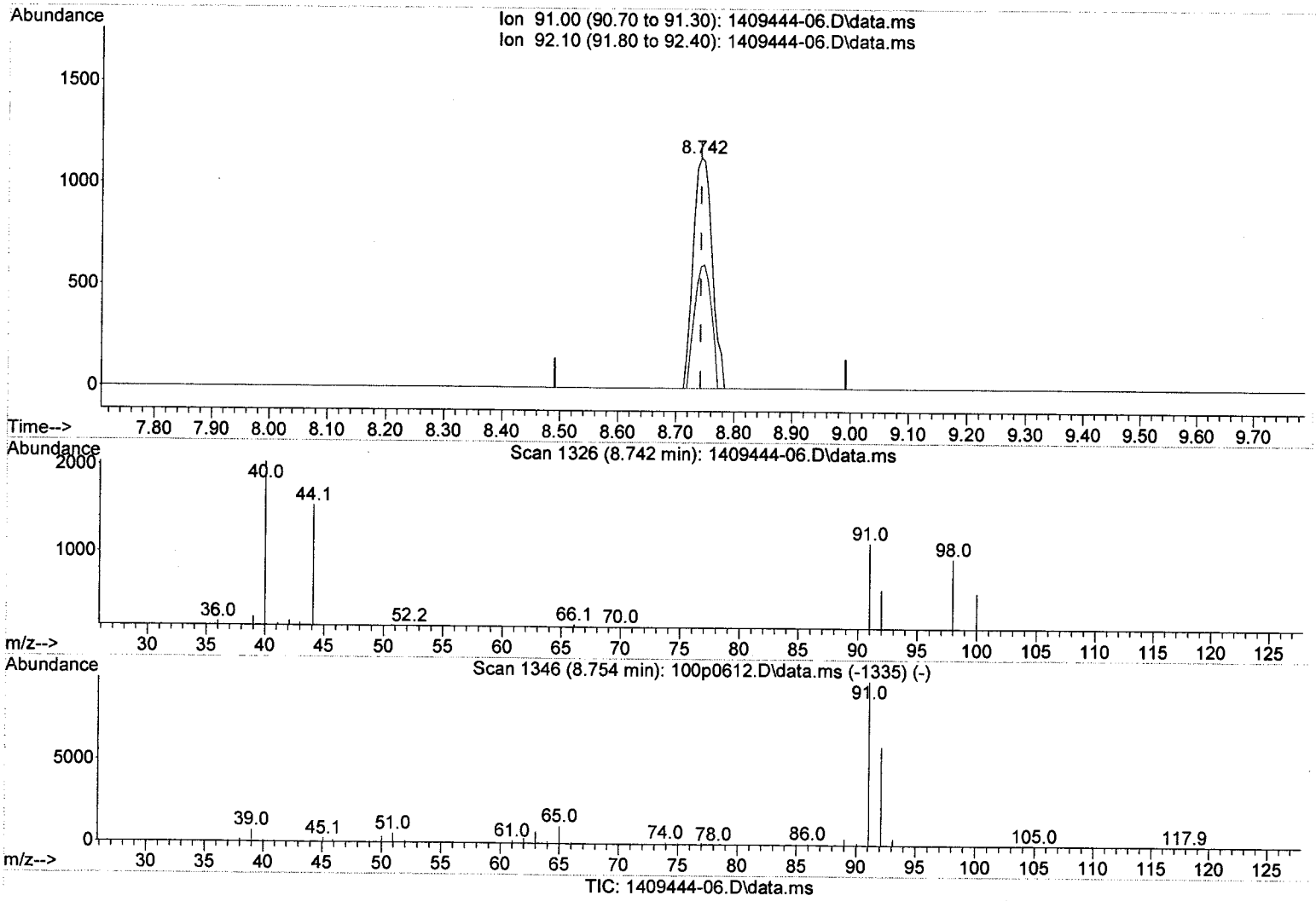
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-06.D
Acq On : 01 Oct 2014 12:03
Operator : DLV
Sample : 1409444-06
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 12:58:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	2187	0.29 ug/L #	75
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	2537	0.15 ug/L #	22
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.795	43	2441	~~0.87~~ ug/L #	1
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2548	0.58 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.777	91	2287	0.12 ug/L #	44
60) m+p-xylene	10.930	106	2746	0.37 ug/L	88
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	12.277	83	2027	~~1.01~~ ug/L #	18
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	12.671	105	3411	0.22 ug/L #	29
74) 4-chlorotoluene	12.436	91	1630	0.11 ug/L #	45
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.130	105	5046	0.32 ug/L	90
77) sec-butylbenzene	13.336	105	1631	0.08 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	13.536	119	1645	0.10 ug/L #	51
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	14.054	91	1608	0.10 ug/L #	34
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-06.D
Acq On : 01 Oct 2014 12:03
Operator : DLV
Sample : 1409444-06
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 12:58:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-06.D\data.ms

(47) toluene (C)

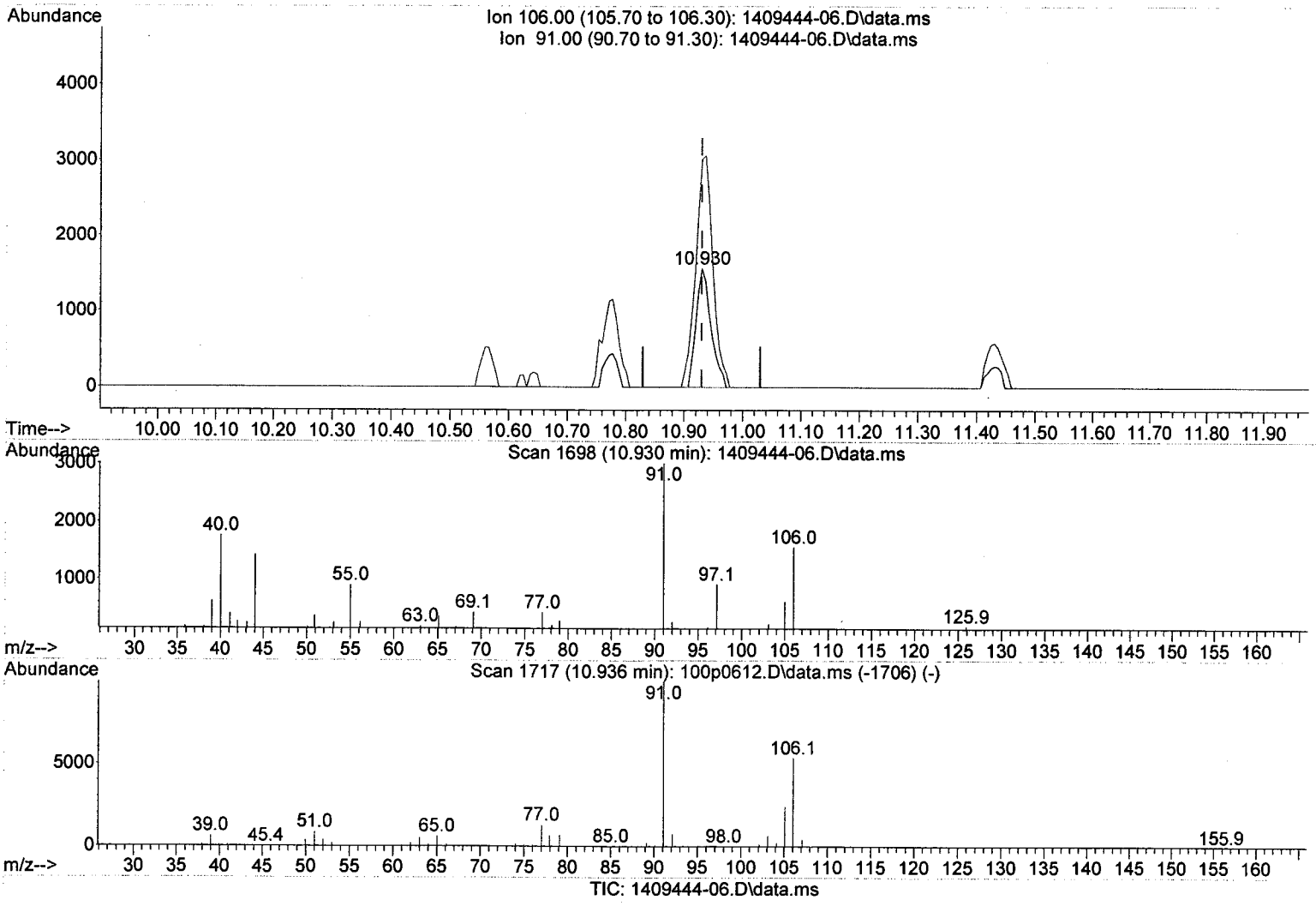
8.742min (+ 0.000) 0.15 ug/L

response 2537

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-06.D
Acq On : 01 Oct 2014 12:03
Operator : DLV
Sample : 1409444-06
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 12:58:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-06.D\data.ms

(60) m+p-xylene

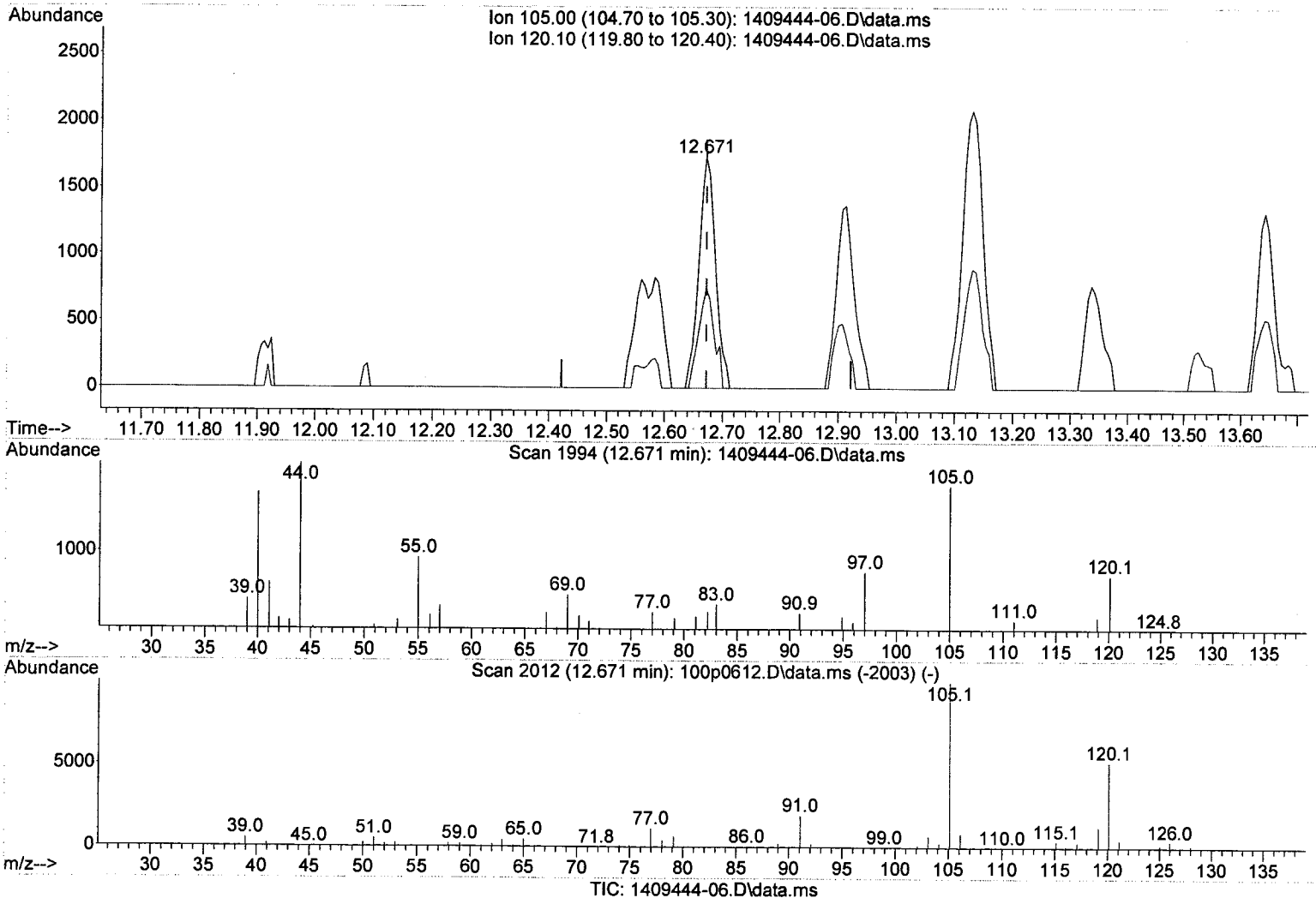
10.930min (+ 0.000) 0.37 ug/L

response 2746

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	225.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-06.D
Acq On : 01 Oct 2014 12:03
Operator : DLV
Sample : 1409444-06
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 12:58:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-06.D\data.ms

(73) 1,3,5-trimethylbenzene

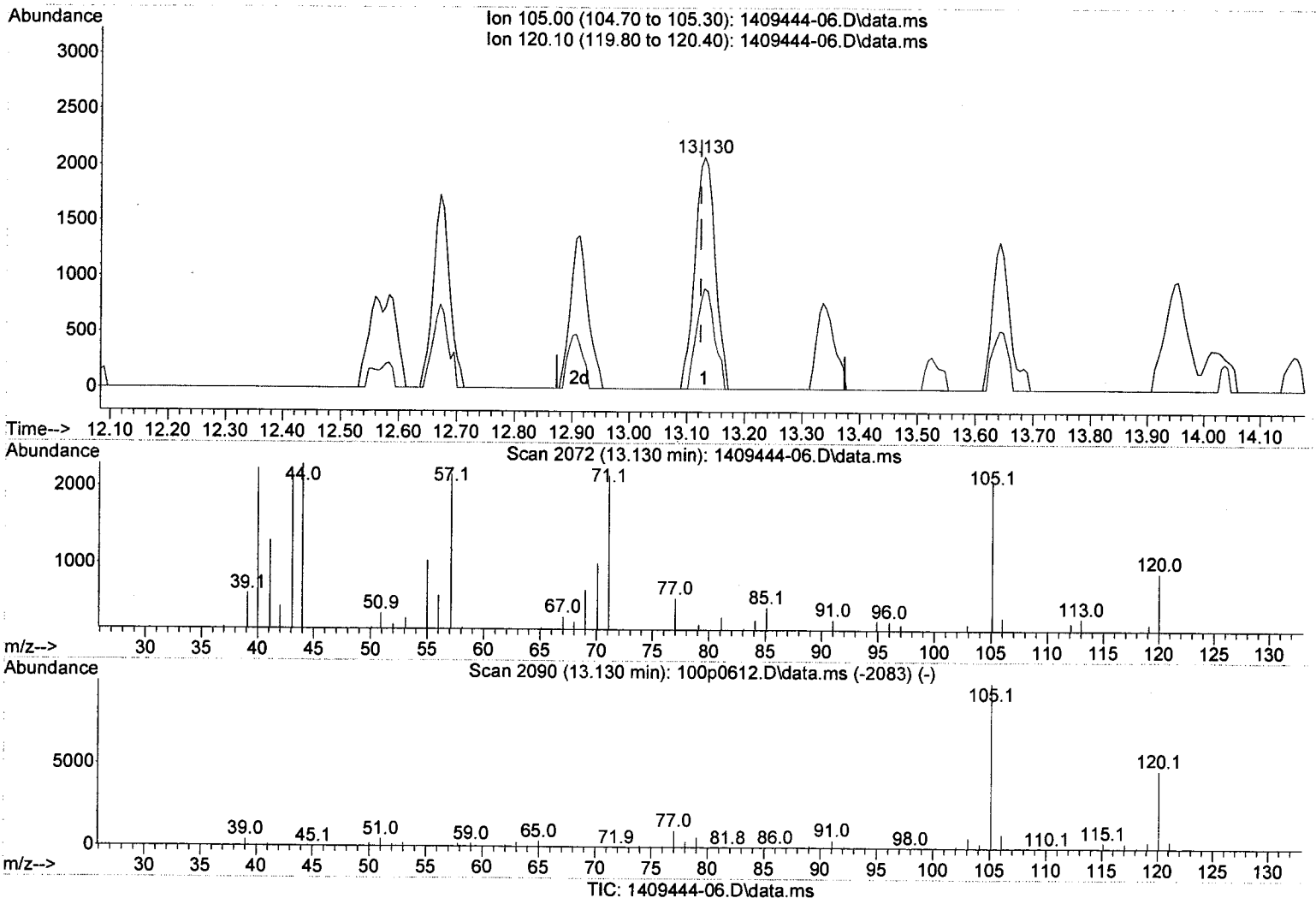
12.671min (-0.001) 0.22 ug/L

response 3411

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	48.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-06.D
Acq On : 01 Oct 2014 12:03
Operator : DLV
Sample : 1409444-06
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 01 12:58:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-06.D\data.ms

(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.32 ug/L

response 5046

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	38.21
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB21-5

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-07 File ID: 1409444-07.D

Sampled: 09/24/14 10:00 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 12:26

Solids: 96.54 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	6.5	4.6	5.5	5.5	
71-43-2	Benzene	1	0.55	0.18	0.55	1.1	U
108-86-1	Bromobenzene	1	0.55	0.15	0.55	1.1	U
74-97-5	Bromochloromethane	1	0.55	0.16	0.55	1.1	U
75-27-4	Bromodichloromethane	1	0.55	0.19	0.55	1.1	U
75-25-2	Bromoform	1	0.55	0.39	0.55	1.1	U
74-83-9	Bromomethane	1	0.55	0.36	0.55	1.1	U
104-51-8	n-Butylbenzene	1	0.55	0.29	0.55	1.1	U
135-98-8	sec-Butylbenzene	1	0.55	0.23	0.55	1.1	U
98-06-6	tert-Butylbenzene	1	0.55	0.18	0.55	1.1	U
75-15-0	Carbon Disulfide	1	0.55	0.25	0.55	1.1	U
56-23-5	Carbon Tetrachloride	1	0.55	0.36	0.55	1.1	U
108-90-7	Chlorobenzene	1	0.55	0.17	0.55	1.1	U
75-00-3	Chloroethane	1	1.1	0.55	1.1	1.1	U
67-66-3	Chloroform	1	0.55	0.16	0.55	1.1	U
74-87-3	Chloromethane	1	0.55	0.28	0.55	1.1	U
95-49-8	2-Chlorotoluene	1	0.55	0.32	0.55	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.65	1.1	5.5	U
124-48-1	Dibromochloromethane	1	0.55	0.20	0.55	1.1	U
106-93-4	1,2-Dibromoethane	1	0.55	0.17	0.55	1.1	U
74-95-3	Dibromomethane	1	0.55	0.25	0.55	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.55	0.16	0.55	1.1	U
75-34-3	1,1-Dichloroethane	1	0.55	0.23	0.55	1.1	U
107-06-2	1,2-Dichloroethane	1	0.55	0.25	0.55	1.1	U
75-35-4	1,1-Dichloroethene	1	0.55	0.34	0.55	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.55	0.25	0.55	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.55	0.30	0.55	1.1	U
78-87-5	1,2-Dichloropropane	1	0.55	0.19	0.55	1.1	U
142-28-9	1,3-Dichloropropane	1	0.55	0.16	0.55	1.1	U
594-20-7	2,2-Dichloropropane	1	0.55	0.25	0.55	1.1	U
563-58-6	1,1-Dichloropropene	1	0.55	0.31	0.55	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.12	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.55	0.13	0.55	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB21-5

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-07
File ID: 1409444-07.D
Sampled: 09/24/14 10:00
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 12:26
Solids: 96.54
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.55	0.20	0.55	1.1	U
87-68-3	Hexachlorobutadiene	1	0.55	0.23	0.55	1.1	U
591-78-6	2-Hexanone	1	0.55	0.53	0.55	5.5	U
98-82-8	Isopropylbenzene	1	0.22	0.12	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.55	0.26	0.55	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.52	1.1	5.5	U
78-93-3	2-Butanone (MEK)	1	5.5	1.2	5.5	5.5	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.55	0.43	0.55	5.5	U
91-20-3	Naphthalene	1	0.55	0.18	0.55	5.5	U
103-65-1	n-Propylbenzene	1	0.55	0.13	0.55	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
127-18-4	Tetrachloroethene	1	0.55	0.19	0.55	1.1	U
108-88-3	Toluene	1	0.18	0.11	0.22	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.55	0.32	0.55	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.55	0.19	0.55	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.55	0.16	0.55	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.55	0.24	0.55	1.1	U
79-01-6	Trichloroethene	1	0.55	0.27	0.55	1.1	U
75-69-4	Trichlorofluoromethane	1	0.55	0.19	0.55	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.55	0.25	0.55	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.55	0.13	0.55	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.55	0.21	0.55	1.1	U
75-01-4	Vinyl Chloride	1	0.55	0.22	0.55	1.1	U
179601-23-1	Xylene, Meta + Para	1	0.31	0.16	0.44	2.2	J
95-47-6	Xylene, Ortho	1	0.22	0.12	0.22	1.1	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.6	104	78 - 119	
1,2-Dichloroethane-d4	40.0	43.8	110	71 - 136	
Toluene-d8	40.0	39.4	98	85 - 116	
4-Bromofluorobenzene	40.0	39.7	99	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	483165	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB21-5

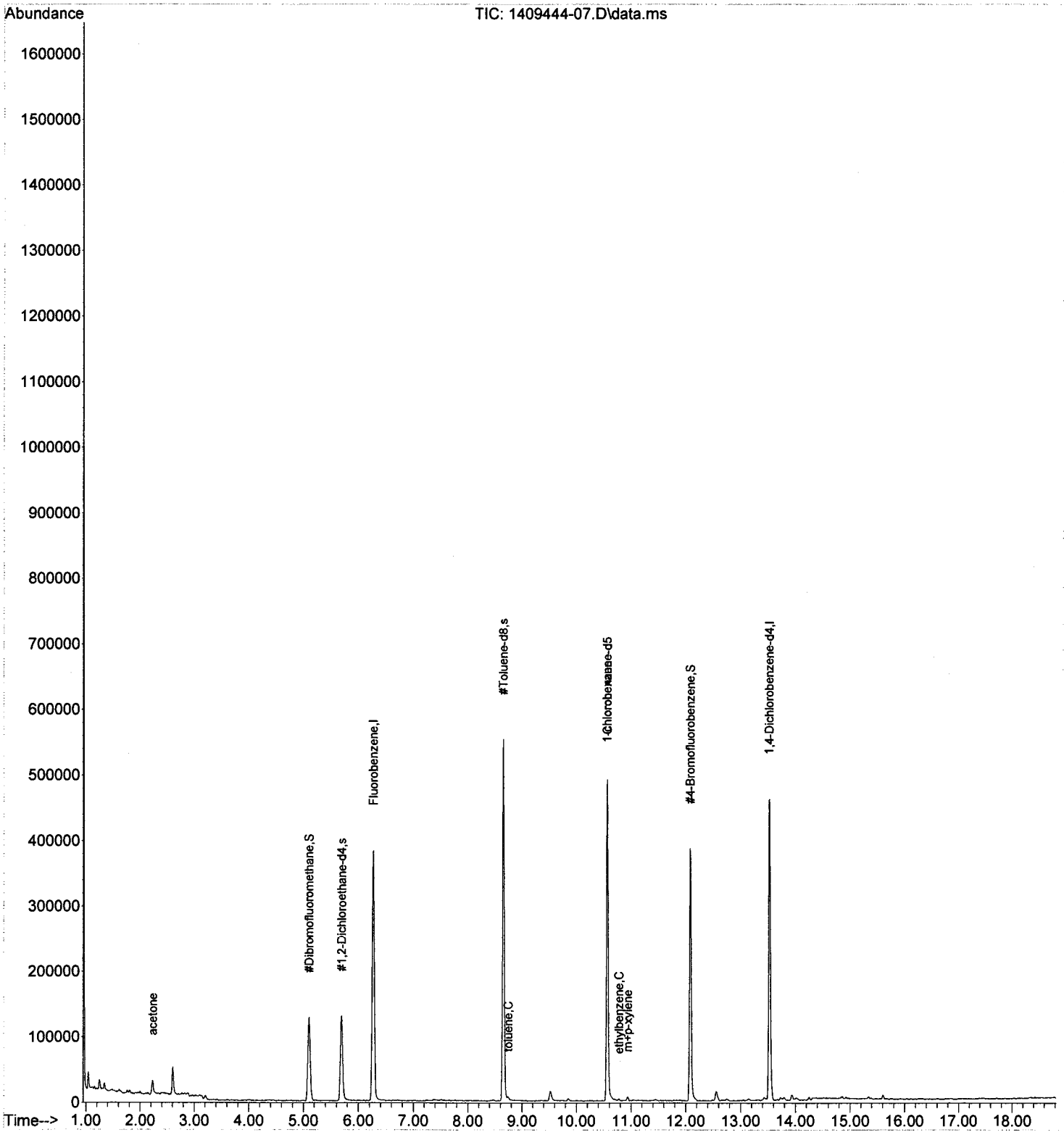
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-07
File ID: 1409444-07.D
Sampled: 09/24/14 10:00
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 12:26
Solids: 96.54
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	337669	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	163306	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-07.D
Acq On : 01 Oct 2014 12:26
Operator : DLV
Sample : 1409444-07
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 12:59:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000689

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-07.D
Acq On : 01 Oct 2014 12:26
Operator : DLV
Sample : 1409444-07
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 12:59:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	483165	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	337669	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	163306	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	126231	41.55	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.87%				
37) #1,2-Dichloroethane-d4	5.695	67	75983	43.84	ug/L		0.00
Spiked Amount 40.000			Recovery = 109.60%				
46) #Toluene-d8	8.654	98	462000	39.38	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.45%				
64) #4-Bromofluorobenzene	12.083	95	168234	39.74	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.35%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	30455	5.94	ug/L		99
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	23964	Below Cal			98
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.331	43	2447	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

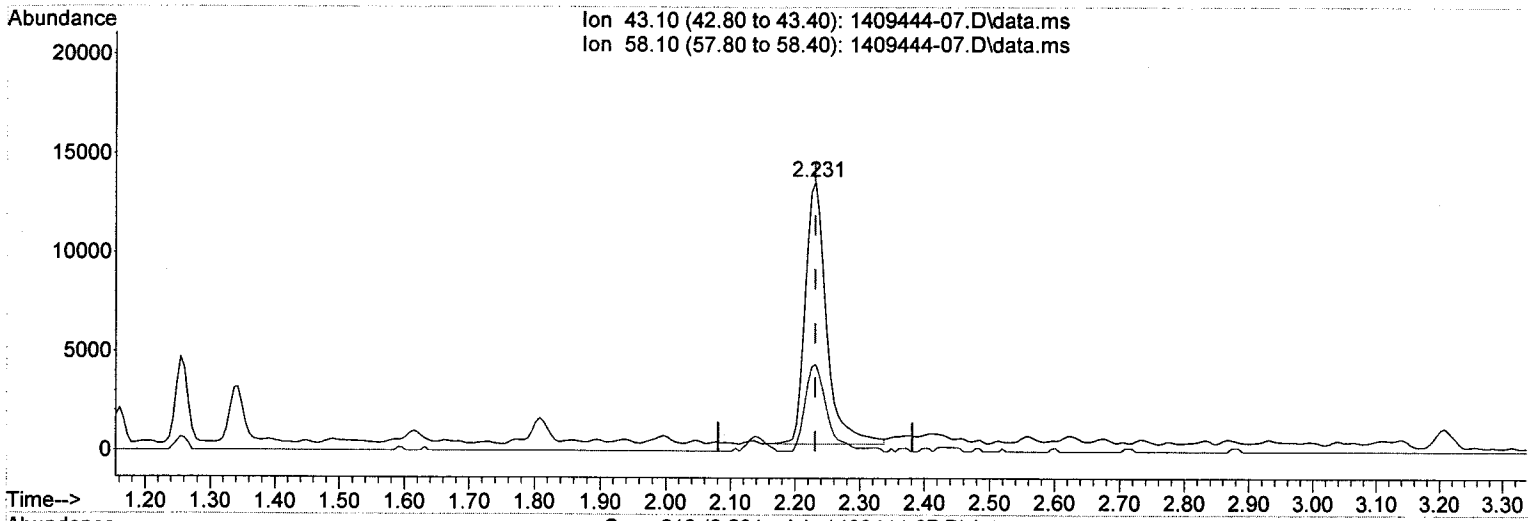
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-07.D
Acq On : 01 Oct 2014 12:26
Operator : DLV
Sample : 1409444-07
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 12:59:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

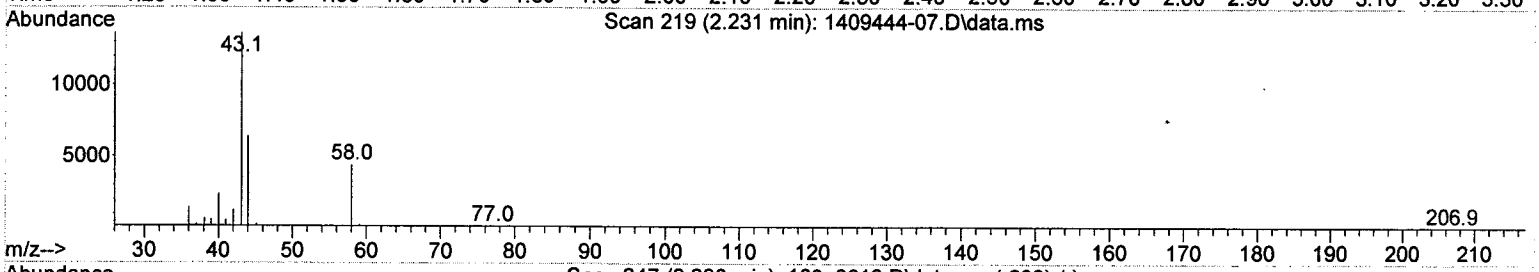
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	2775	0.16 ug/L	95
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2873	0.65 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.778	91	1783	0.09 ug/L #	44
60) m+p-xylene	10.936	106	2059	0.28 ug/L	91
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

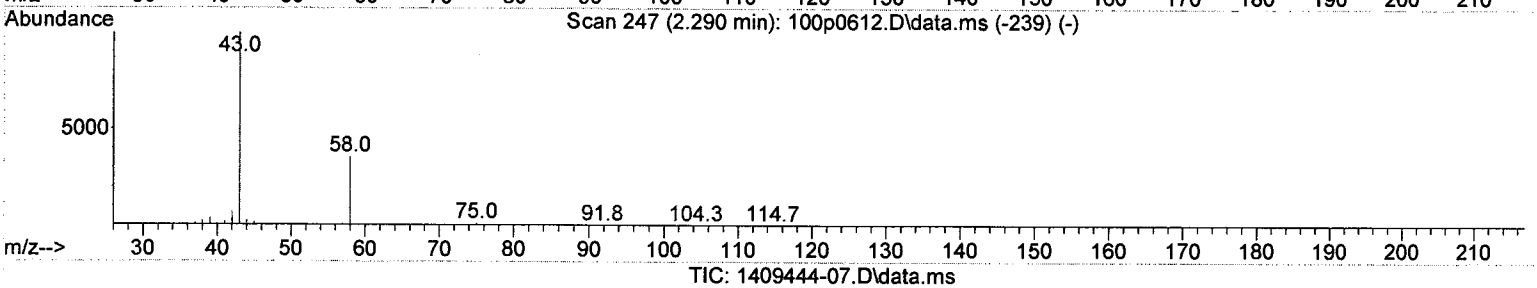
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-07.D
Acq On : 01 Oct 2014 12:26
Operator : DLV
Sample : 1409444-07
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 12:59:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409444-07.D\data.ms

(13) acetone

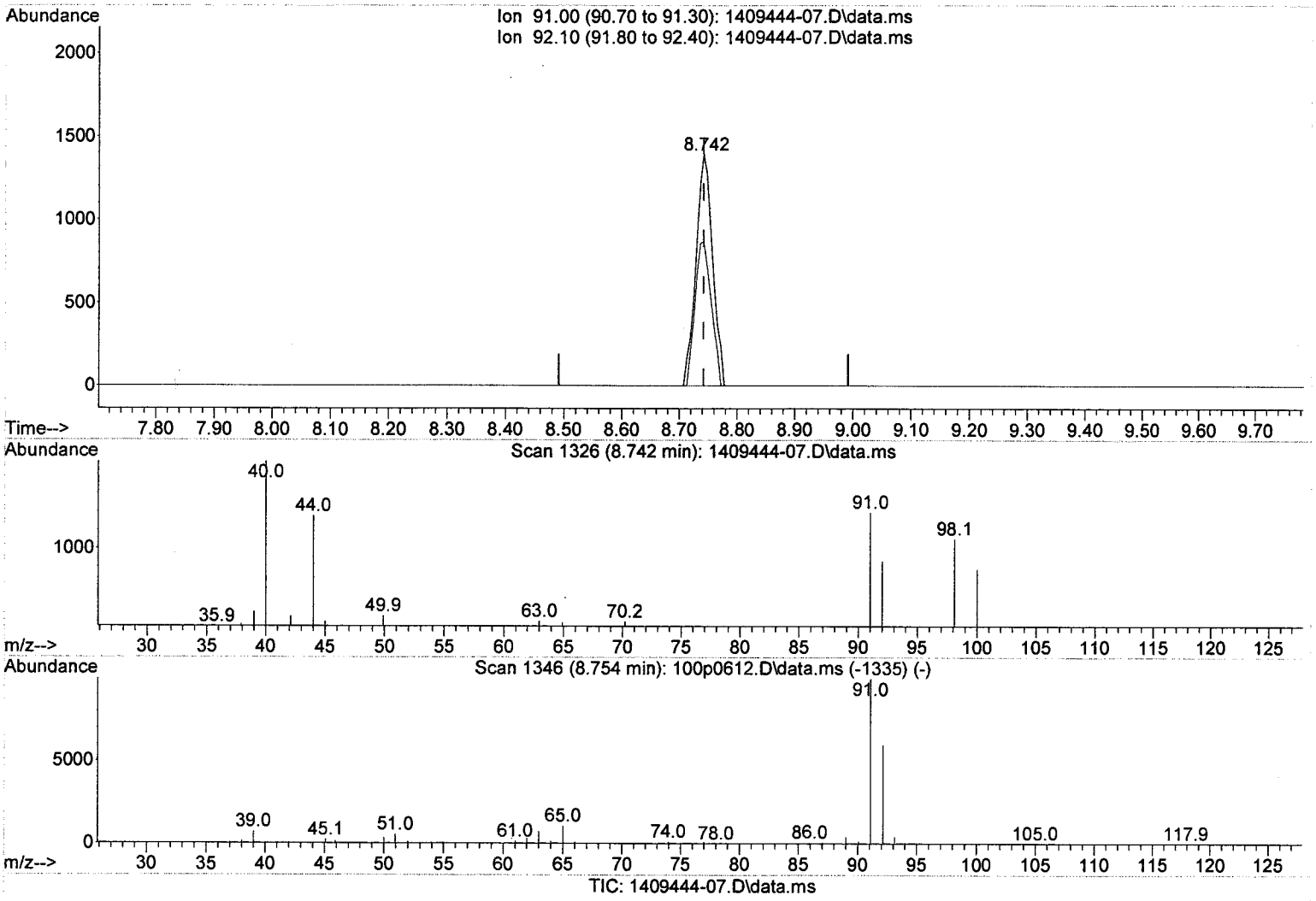
2.231min (-0.000) 5.94 ug/L

response 30455

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	34.84
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-07.D
Acq On : 01 Oct 2014 12:26
Operator : DLV
Sample : 1409444-07
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 12:59:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-07.D\data.ms

(47) toluene (C)

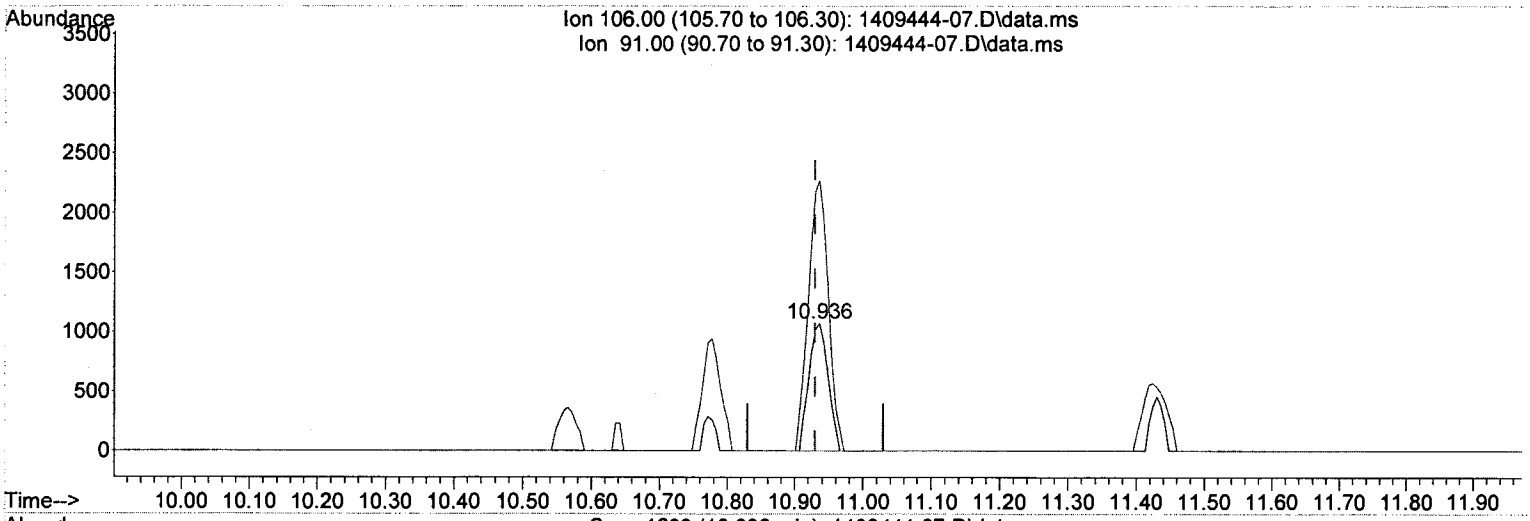
8.742min (+ 0.000) 0.16 ug/L

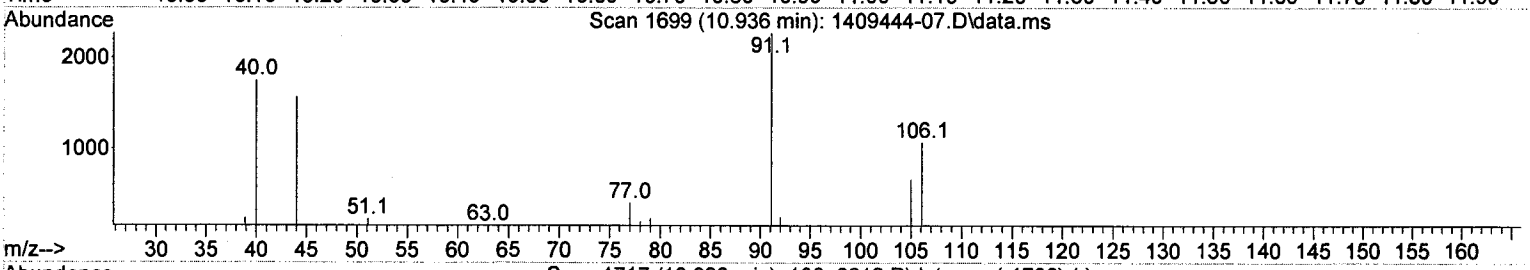
response 2775

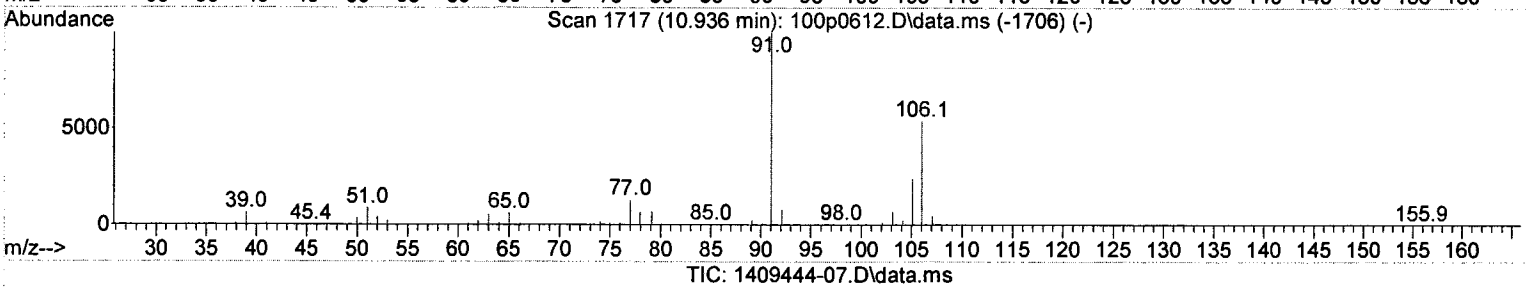
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	60.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-07.D
Acq On : 01 Oct 2014 12:26
Operator : DLV
Sample : 1409444-07
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 01 12:59:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409444-07.D\data.ms

(60) m+p-xylene

10.936min (+ 0.006) 0.28 ug/L

response 2059

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	221.90
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB21-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-08
File ID: 1409444-08.D
Sampled: 09/24/14 10:40
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 12:49
Solids: 96.86
Preparation: 5035A Low Concentratio
Initial/Final: 5.2 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.2	4.3	5.2	5.2	U
71-43-2	Benzene	1	0.52	0.17	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.32	0.27	0.52	1.0	J
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.52	0.24	0.52	1.0	U
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.15	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.26	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.096	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.23	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.23	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.12	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB21-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-08
File ID: 1409444-08.D
Sampled: 09/24/14 10:40
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 12:49
Solids: 96.86
Preparation: 5035A Low Concentratio
Initial/Final: 5.2 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.52	0.19	0.52	1.0	U
87-68-3	Hexachlorobutadiene	1	0.52	0.21	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	5.2	1.1	5.2	5.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	0.52	0.18	0.52	1.0	U
108-88-3	Toluene	1	0.14	0.10	0.21	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.69	0.12	0.52	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.48	0.20	0.52	1.0	J
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.39	0.15	0.41	2.1	J
95-47-6	Xylene, Ortho	1	0.21	0.11	0.21	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.5	106	78 - 119	
1,2-Dichloroethane-d4	40.0	44.7	112	71 - 136	
Toluene-d8	40.0	39.6	99	85 - 116	
4-Bromofluorobenzene	40.0	41.1	103	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	462512	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB21-33

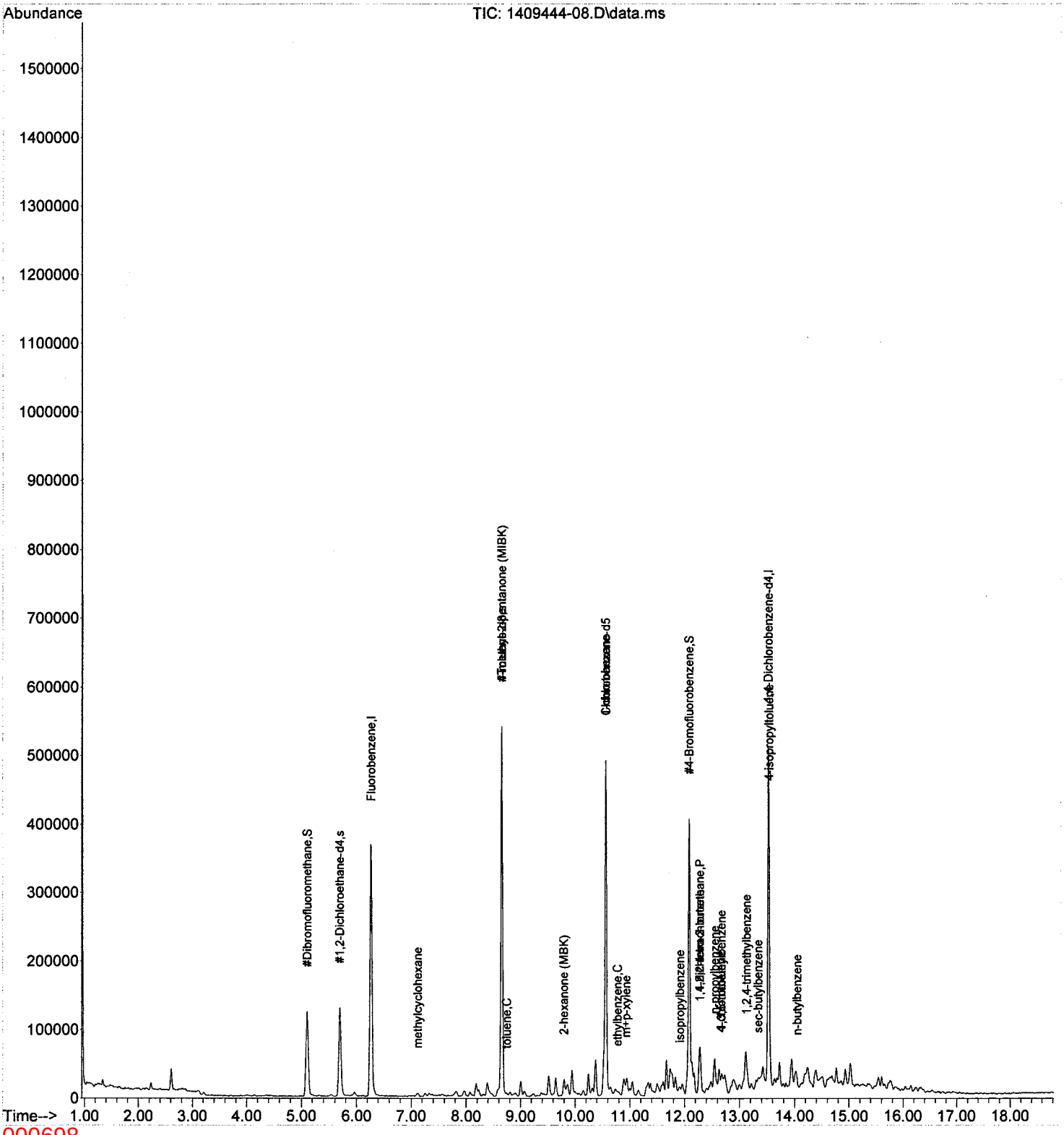
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-08
File ID: 1409444-08.D
Sampled: 09/24/14 10:40
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 12:49
Solids: 96.86
Preparation: 5035A Low Concentratio
Initial/Final: 5.2 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	332894	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	168174	13.525	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-08.D
Acq On : 01 Oct 2014 12:49
Operator : DLV
Sample : 1409444-08
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 13:09:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000698

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-08.D
Acq On : 01 Oct 2014 12:49
Operator : DLV
Sample : 1409444-08
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 13:09:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	462512	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	332894	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	168174	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	123668	42.52	ug/L		0.00
Spiked Amount 40.000			Recovery = 106.30%				
37) #1,2-Dichloroethane-d4	5.690	67	74210	44.73	ug/L		0.00
Spiked Amount 40.000			Recovery = 111.83%				
46) #Toluene-d8	8.654	98	445100	39.63	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.08%				
64) #4-Bromofluorobenzene	12.083	95	171341	41.06	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.65%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	13089	Below Cal			97
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	17659	Below Cal			98
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.343	43	1889	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	5.960	57	6968	No Calib		#	
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

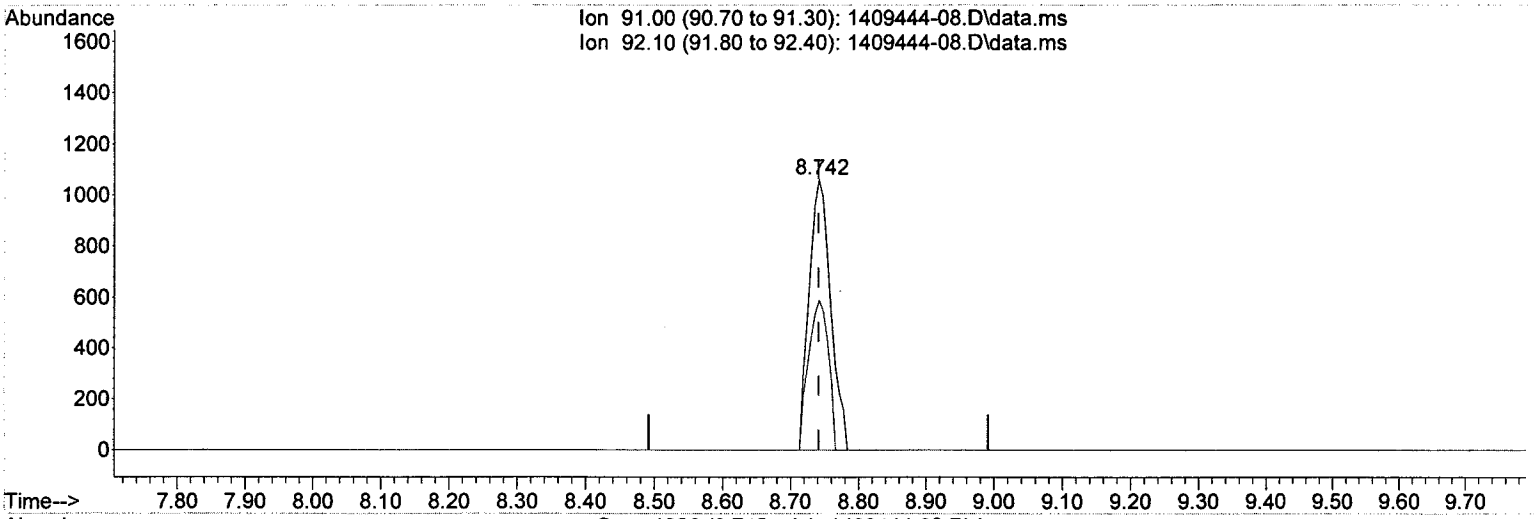
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-08.D
Acq On : 01 Oct 2014 12:49
Operator : DLV
Sample : 1409444-08
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 13:09:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

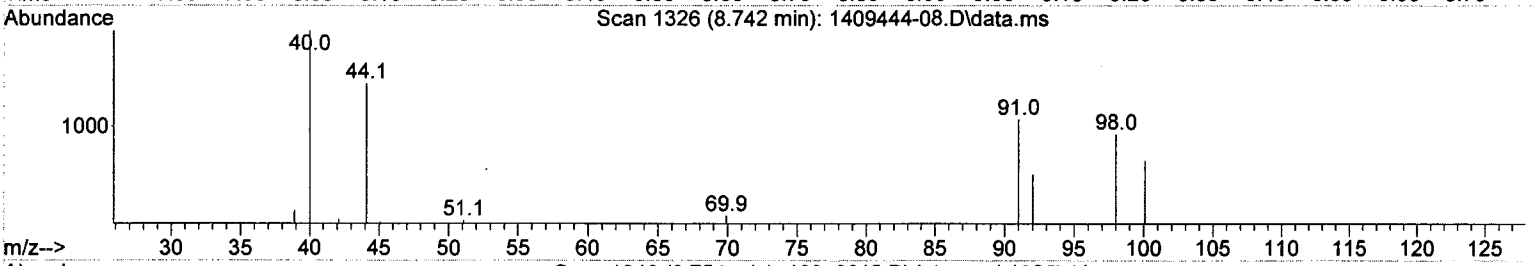
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	1937	0.27 ug/L #	44
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	8.654	43	3885	~~1.10~~ ug/L #	1
47) toluene	8.742	91	2322	0.14 ug/L #	22
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.795	43	6814	~~2.45~~ ug/L #	1
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2626	0.60 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	3291	0.17 ug/L #	44
60) m+p-xylene	10.931	106	2819	0.39 ug/L #	77
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	11.919	105	2056	0.11 ug/L #	49
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	12.278	83	7028	~~2.05~~ ug/L #	18
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	12.278	53	2989	4.33 ug/L #	10
71) n-propylbenzene	12.554	120	2197	~~0.43~~ ug/L #	1
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	12.672	105	7625	0.48 ug/L	99
74) 4-chlorotoluene	12.666	91	1935	0.12 ug/L #	45
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.130	105	11066	0.70 ug/L	94
77) sec-butylbenzene	13.342	105	3333	0.16 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	13.536	119	2644	0.15 ug/L #	51
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	14.048	91	5167	0.32 ug/L #	53
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

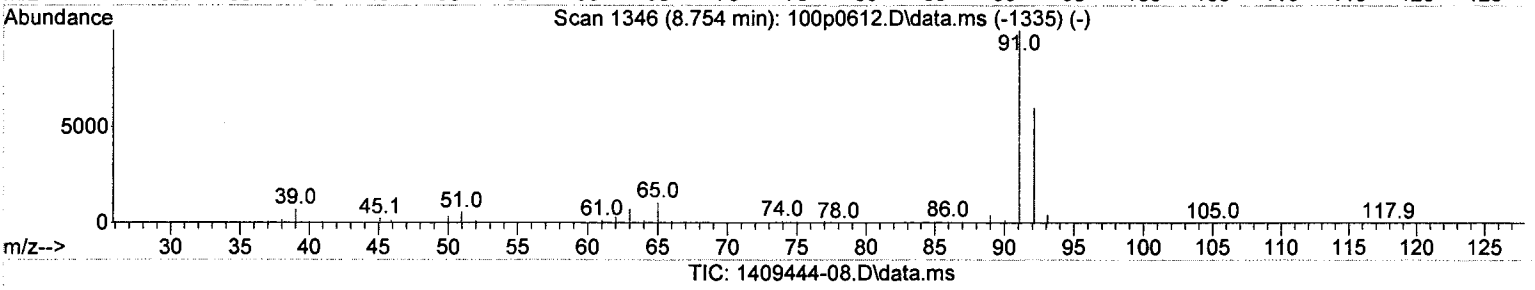
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-08.D
Acq On : 01 Oct 2014 12:49
Operator : DLV
Sample : 1409444-08
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 13:09:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409444-08.D\data.ms

(47) toluene (C)

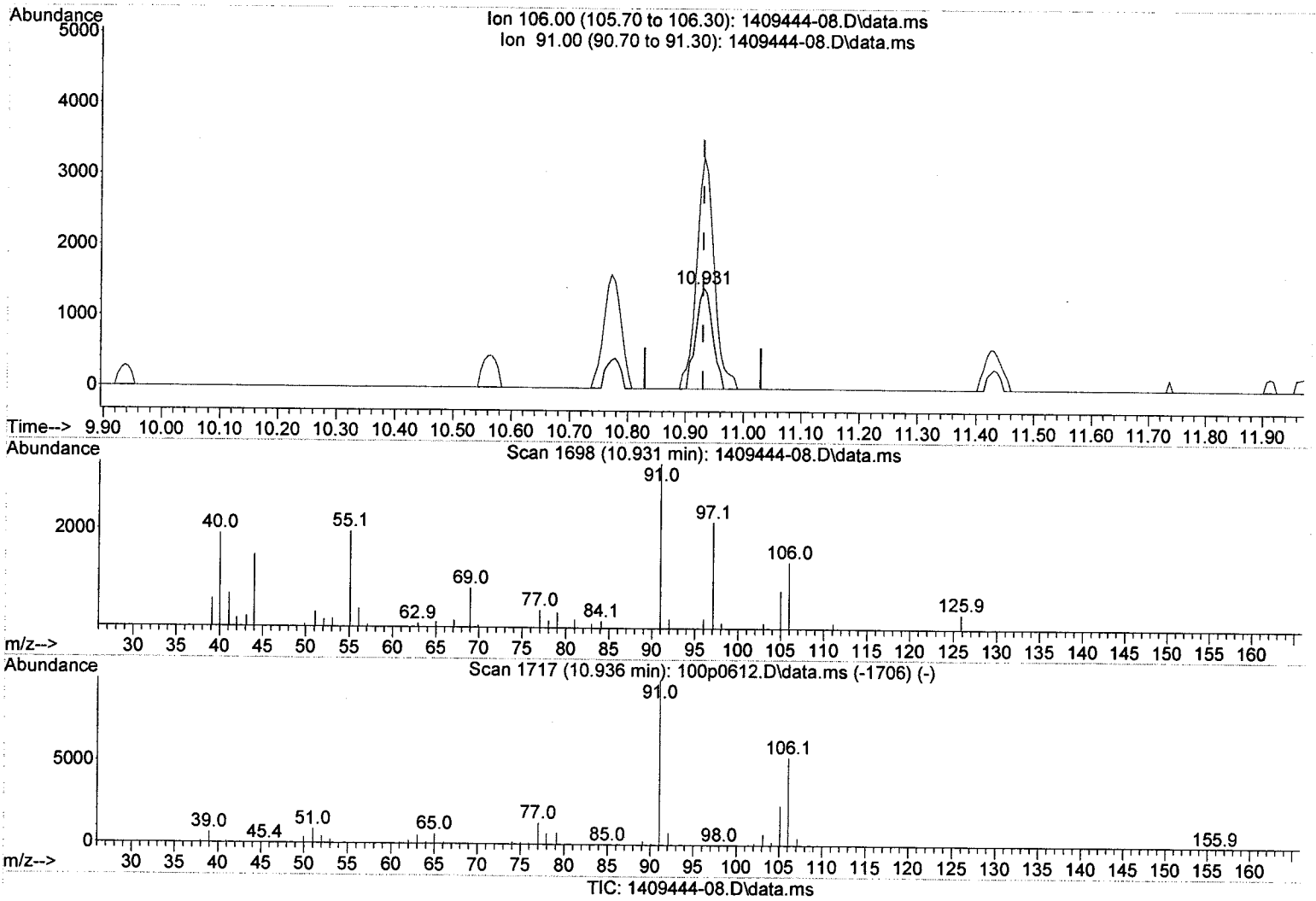
8.742min (+ 0.000) 0.14 ug/L

response 2322

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-08.D
Acq On : 01 Oct 2014 12:49
Operator : DLV
Sample : 1409444-08
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 13:09:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(60) m+p-xylene

10.931min (+ 0.001) 0.39 ug/L

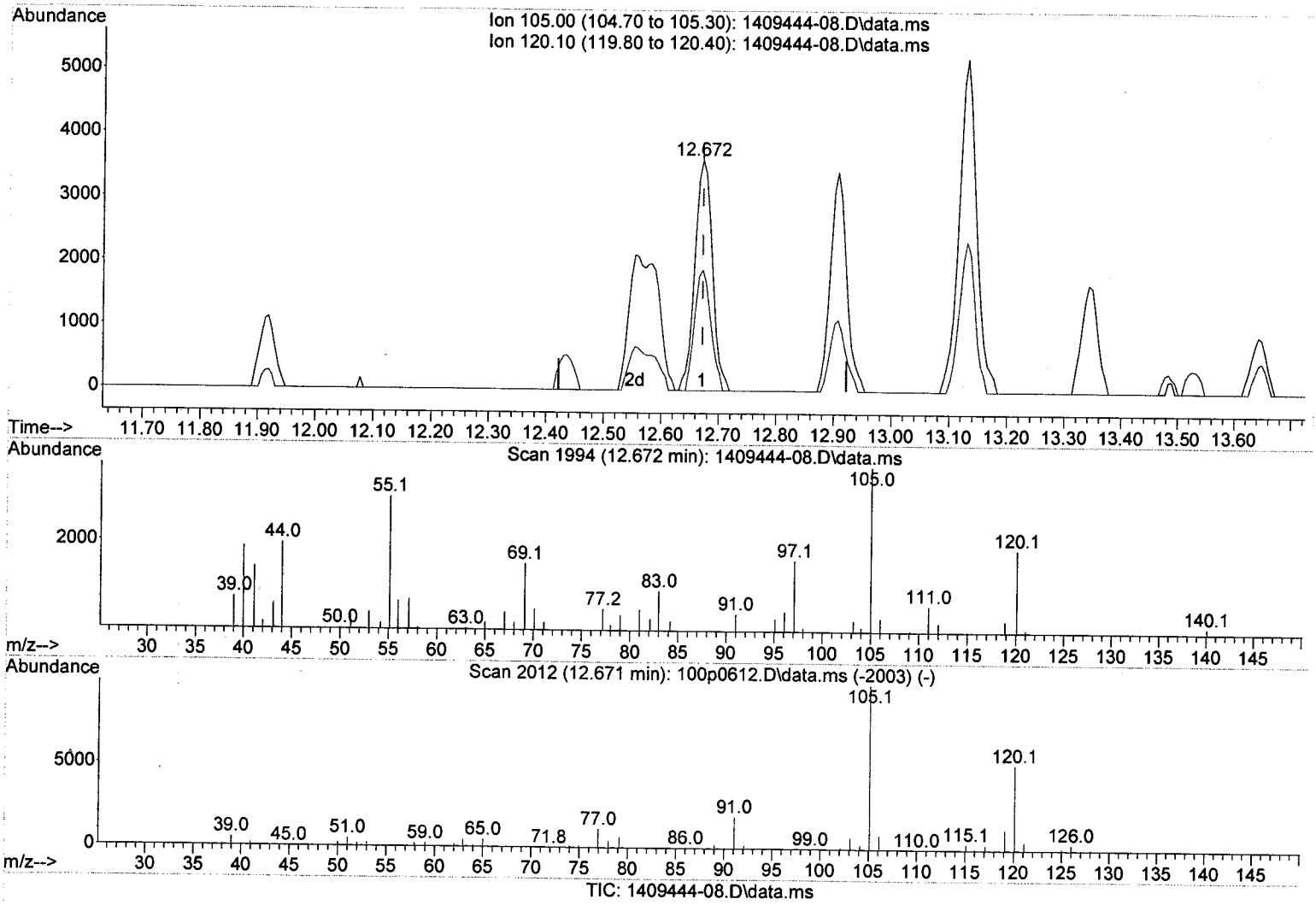
response 2819

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	243.24#
0.00	0.00	0.00
0.00	0.00	0.00

009702

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-08.D
Acq On : 01 Oct 2014 12:49
Operator : DLV
Sample : 1409444-08
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 13:09:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-08.D\data.ms

(73) 1,3,5-trimethylbenzene

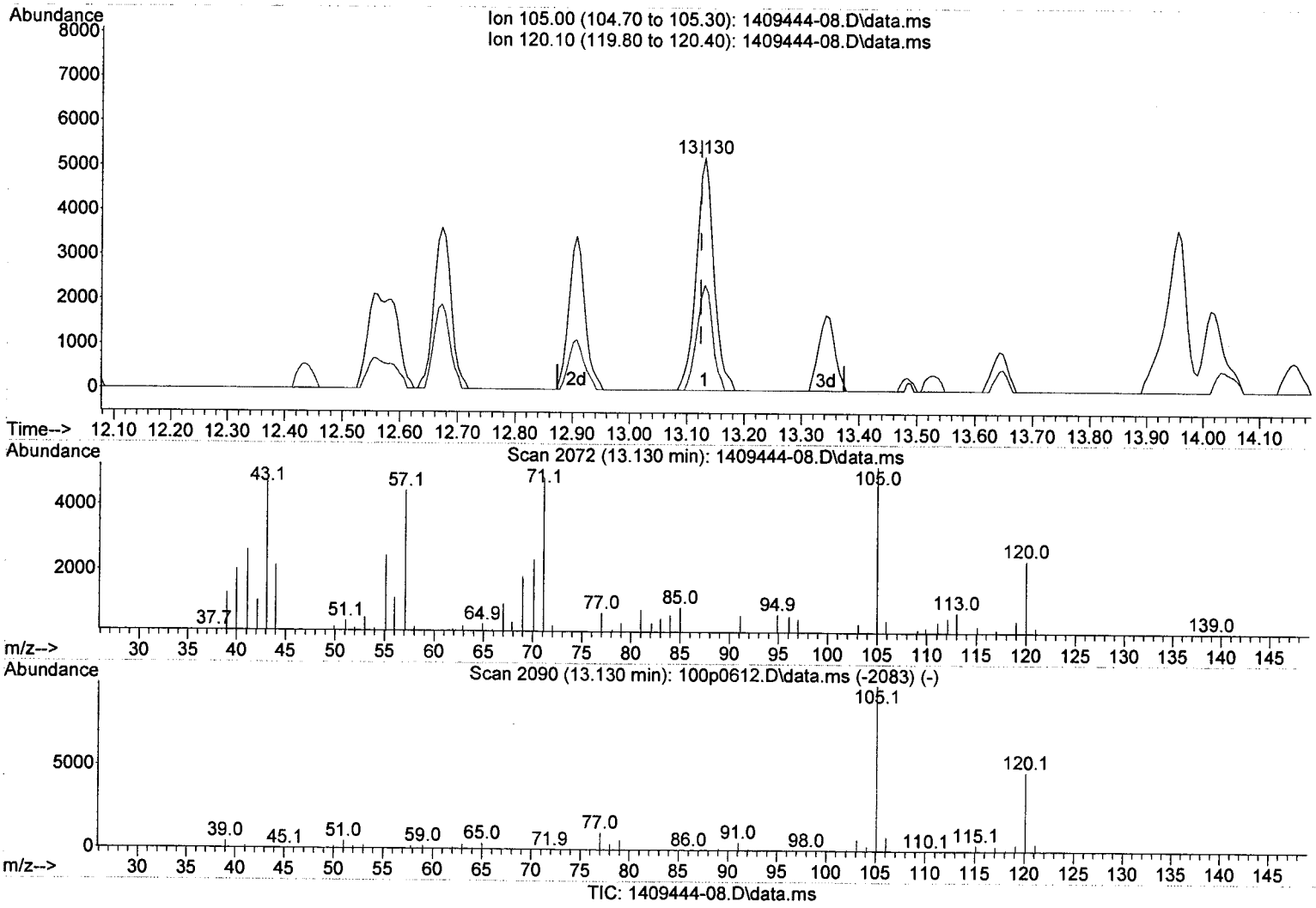
12.672min (-0.000) 0.48 ug/L

response 7625

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	48.20	48.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-08.D
Acq On : 01 Oct 2014 12:49
Operator : DLV
Sample : 1409444-08
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 13:09:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-08.D\data.ms

(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.70 ug/L

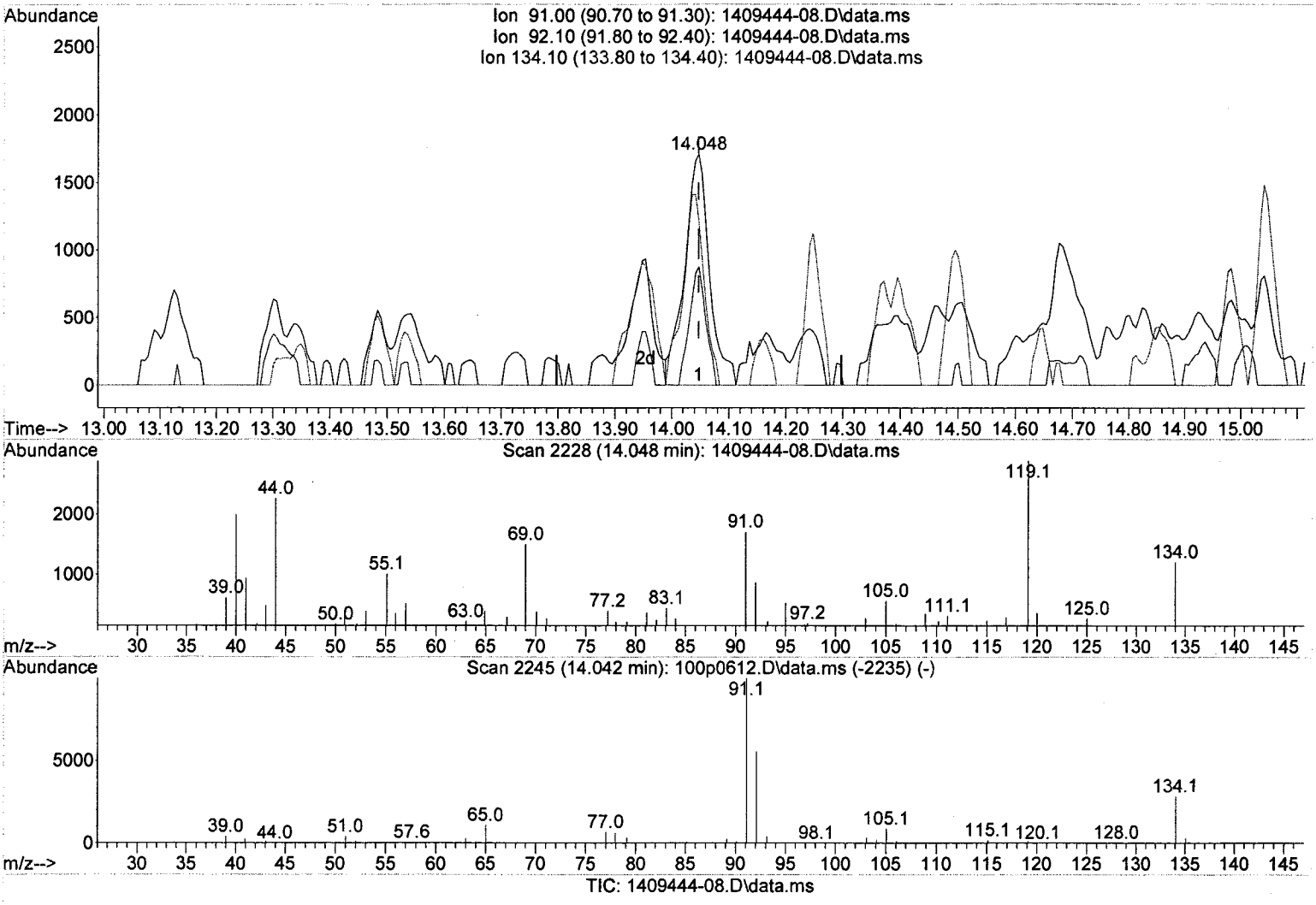
response 11066

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	40.35
0.00	0.00	0.00
0.00	0.00	0.00

000704

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-08.D
Acq On : 01 Oct 2014 12:49
Operator : DLV
Sample : 1409444-08
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 01 13:09:07 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-08.D\data.ms

(82) n-butylbenzene

14.048min (0.000) 0.32 ug/L

response 5167

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	51.70	33.62
134.10	24.30	70.23#
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB22-26

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-09
File ID: 1409444-09.D
Sampled: 09/24/14 11:25
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 13:13
Solids: 96.78
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.2	4.3	5.2	5.2	U
71-43-2	Benzene	1	0.52	0.17	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.52	0.24	0.52	1.0	U
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.15	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.26	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.096	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.23	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.23	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.13	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB22-26

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-09
File ID: 1409444-09.D
Sampled: 09/24/14 11:25
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 13:13
Solids: 96.78
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.52	0.19	0.52	1.0	U
87-68-3	Hexachlorobutadiene	1	0.52	0.21	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	5.2	1.1	5.2	5.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	0.52	0.18	0.52	1.0	U
108-88-3	Toluene	1	0.13	0.10	0.21	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.52	0.12	0.52	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.15	0.41	2.1	J
95-47-6	Xylene, Ortho	1	0.21	0.11	0.21	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.4	103	78 - 119	
1,2-Dichloroethane-d4	40.0	43.8	109	71 - 136	
Toluene-d8	40.0	38.6	97	85 - 116	
4-Bromofluorobenzene	40.0	39.9	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	503926	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB22-26

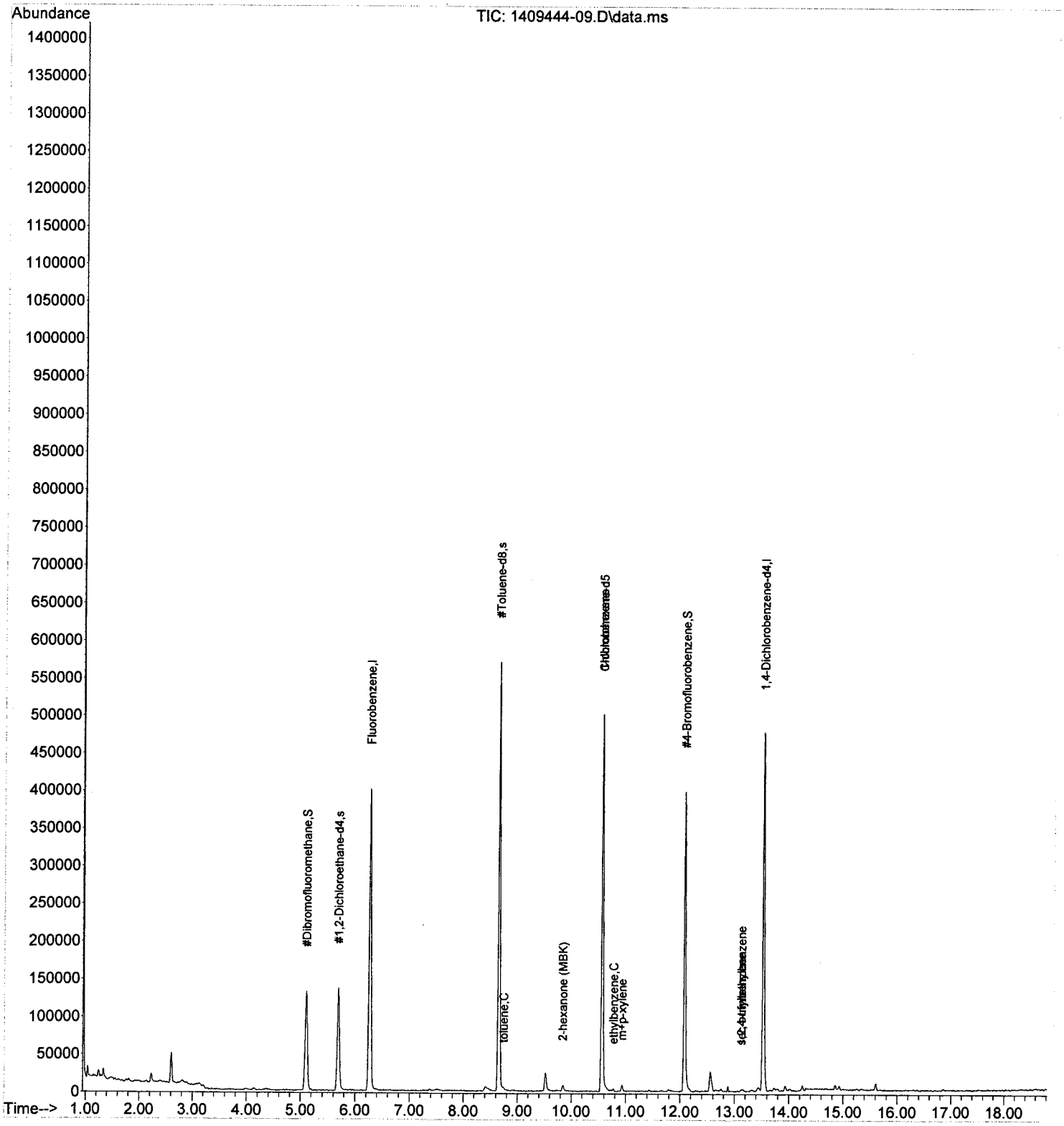
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-09
File ID: 1409444-09.D
Sampled: 09/24/14 11:25
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 13:13
Solids: 96.78
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	346391	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	165907	13.531	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-09.D
Acq On : 01 Oct 2014 13:13
Operator : DLV
Sample : 1409444-09
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 13:56:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000109

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-09.D
Acq On : 01 Oct 2014 13:13
Operator : DLV
Sample : 1409444-09
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 13:56:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	503926	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	346391	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.531	152	165907	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.108	111	131103	41.37	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.42%				
37) #1,2-Dichloroethane-d4	5.690	67	79138	43.78	ug/L		0.00
Spiked Amount 40.000			Recovery = 109.45%				
46) #Toluene-d8	8.654	98	472528	38.62	ug/L		0.00
Spiked Amount 40.000			Recovery = 96.55%				
64) #4-Bromofluorobenzene	12.084	95	173092	39.86	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.65%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.225	43	17111	Below Cal			99
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.608	49	24786	Below Cal			98
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.319	43	2139	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

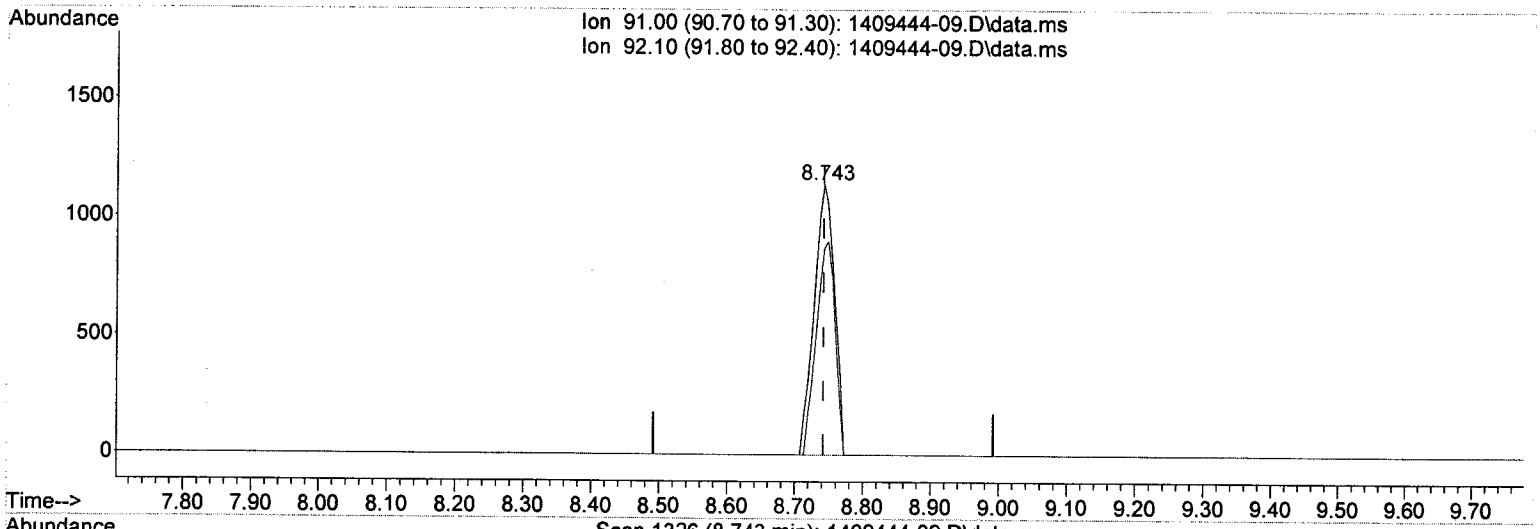
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-09.D
Acq On : 01 Oct 2014 13:13
Operator : DLV
Sample : 1409444-09
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 13:56:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

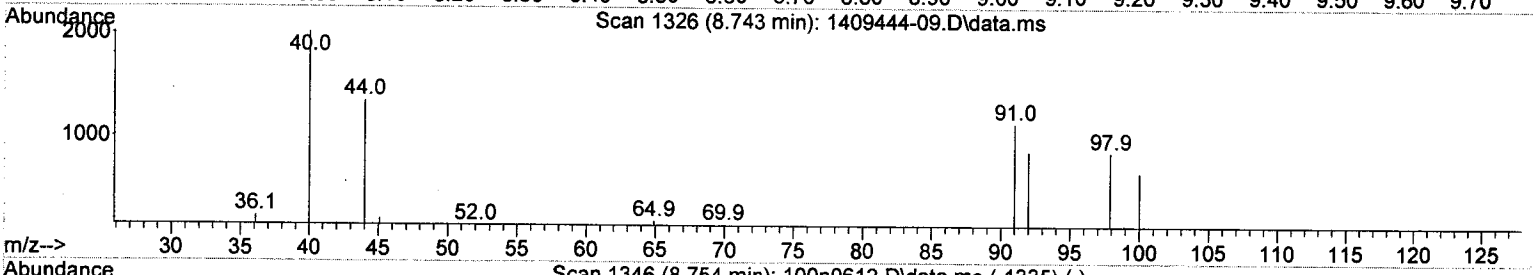
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.743	91	2360	0.13	ug/L		79
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	9.843	43	2208	0.76	ug/L	#	9
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.560	55	2933	0.65	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.772	91	2309	0.11	ug/L	#	44
60)	m+p-xylene	10.931	106	2928	0.39	ug/L		93
61)	o-xylene	0.000		0	N.D.			
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	13.131	105	1528	0.10	ug/L	#	32
77)	sec-butylbenzene	13.131	105	1528	0.08	ug/L	#	57
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

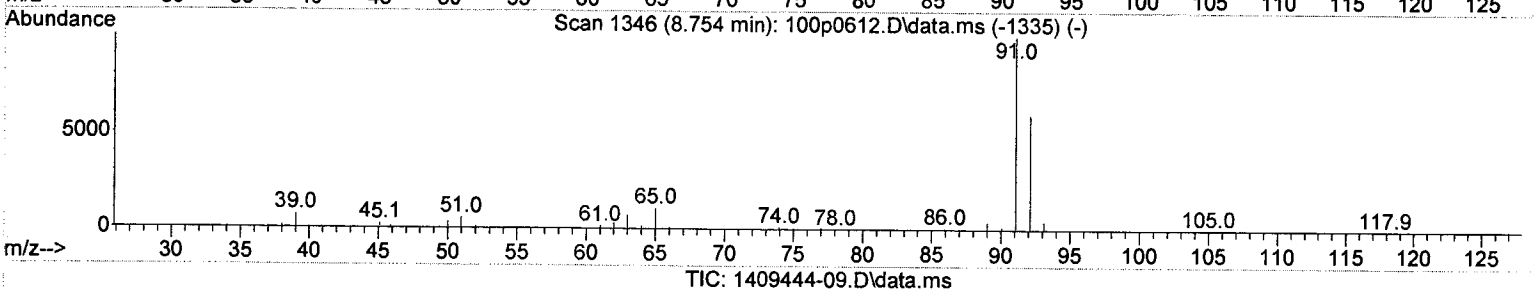
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-09.D
Acq On : 01 Oct 2014 13:13
Operator : DLV
Sample : 1409444-09
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 13:56:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409444-09.D\data.ms

(47) toluene (C)

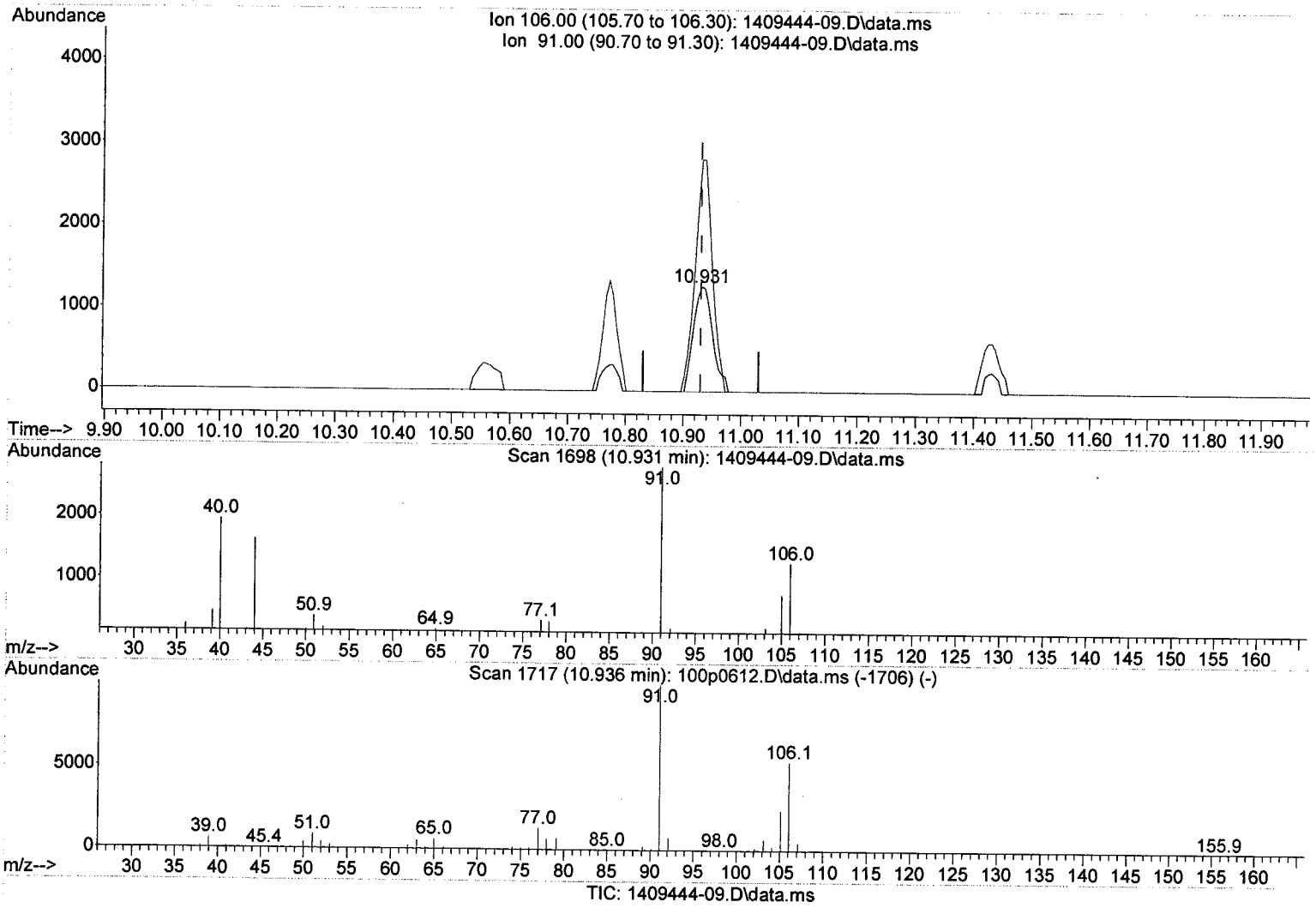
8.743min (+ 0.001) 0.13 ug/L

response 2360

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	73.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-09.D
Acq On : 01 Oct 2014 13:13
Operator : DLV
Sample : 1409444-09
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 01 13:56:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(60) m+p-xylene

10.931min (+ 0.001) 0.39 ug/L

response 2928

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	195.90
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB22-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-10
File ID: 1409444-10.D
Sampled: 09/24/14 11:35
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 13:36
Solids: 95.47
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.2	4.4	5.2	5.2	U
71-43-2	Benzene	1	0.52	0.17	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.52	0.24	0.52	1.0	U
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.16	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.53	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.27	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.31	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.62	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.24	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.098	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.24	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.24	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.13	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB22-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-10
File ID: 1409444-10.D
Sampled: 09/24/14 11:35
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 13:36
Solids: 95.47
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.52	0.19	0.52	1.0	U
87-68-3	Hexachlorobutadiene	1	0.52	0.22	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.49	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	5.2	1.2	5.2	5.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.41	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.16	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	0.52	0.18	0.52	1.0	U
108-88-3	Toluene	1	0.18	0.10	0.21	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.24	0.12	0.52	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.57	0.15	0.42	2.1	J
95-47-6	Xylene, Ortho	1	0.21	0.12	0.21	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.9	105	78 - 119	
1,2-Dichloroethane-d4	40.0	45.6	114	71 - 136	
Toluene-d8	40.0	39.4	98	85 - 116	
4-Bromofluorobenzene	40.0	40.2	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	494584	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB22-33

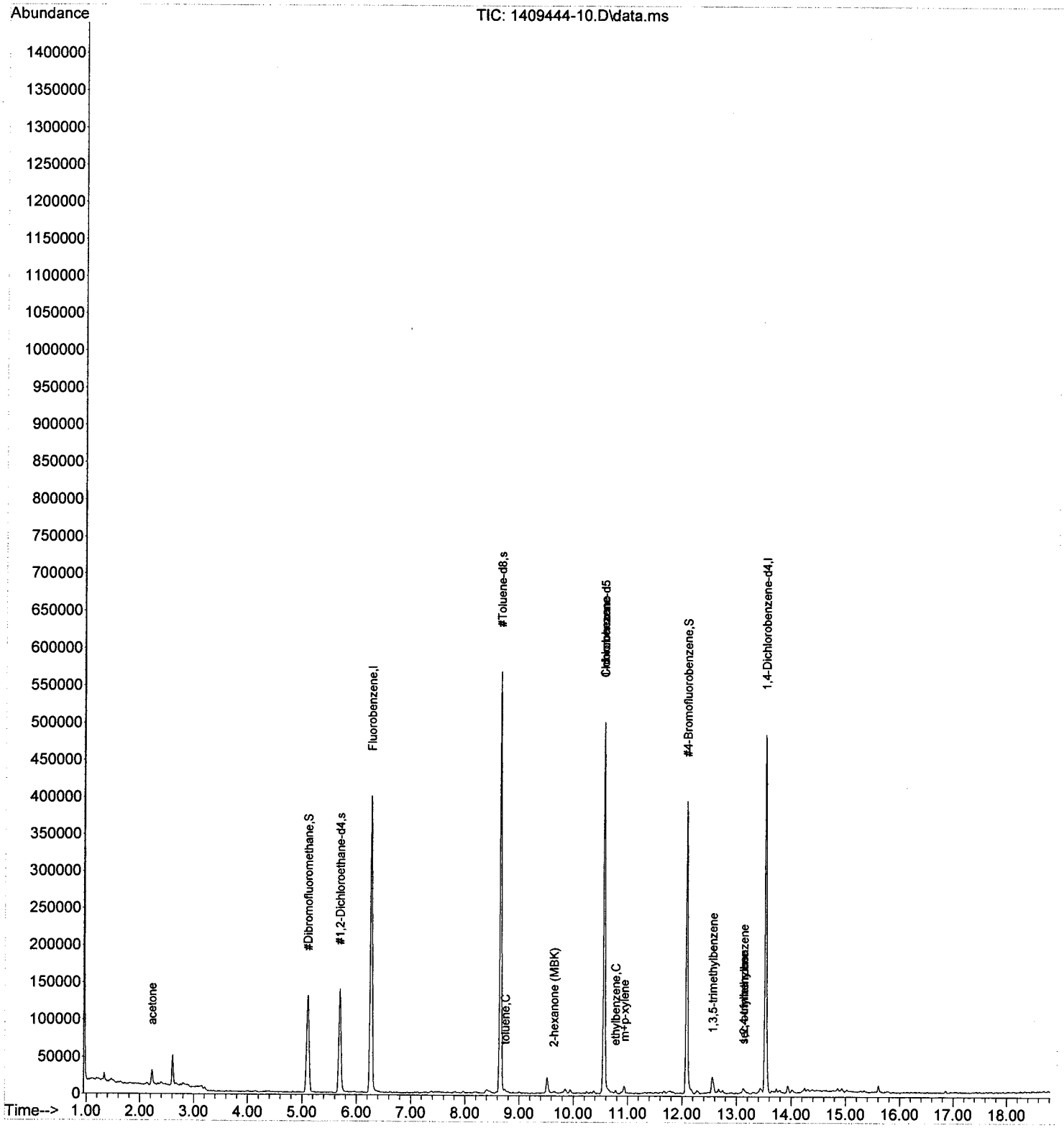
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-10
File ID: 1409444-10.D
Sampled: 09/24/14 11:35
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 13:36
Solids: 95.47
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	339432	10.56	309516	10.56	
1,4-Dichlorobenzene-d4	166204	13.525	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-10.D
Acq On : 01 Oct 2014 13:36
Operator : DLV
Sample : 1409444-10
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 13:56:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-10.D
Acq On : 01 Oct 2014 13:36
Operator : DLV
Sample : 1409444-10
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 13:56:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	494584	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	339432	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	166204	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	130325	41.90	ug/L	0.00
Spiked Amount 40.000			Recovery =	104.75%		
37) #1,2-Dichloroethane-d4	5.690	67	80828	45.56	ug/L	0.00
Spiked Amount 40.000			Recovery =	113.90%		
46) #Toluene-d8	8.654	98	473103	39.40	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.50%		
64) #4-Bromofluorobenzene	12.083	95	170829	40.15	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.37%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.225	43	25932	1.75	ug/L	95
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.602	49	24021	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	2030	Below Cal	#	50
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-10.D
Acq On : 01 Oct 2014 13:36
Operator : DLV
Sample : 1409444-10
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 13:56:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

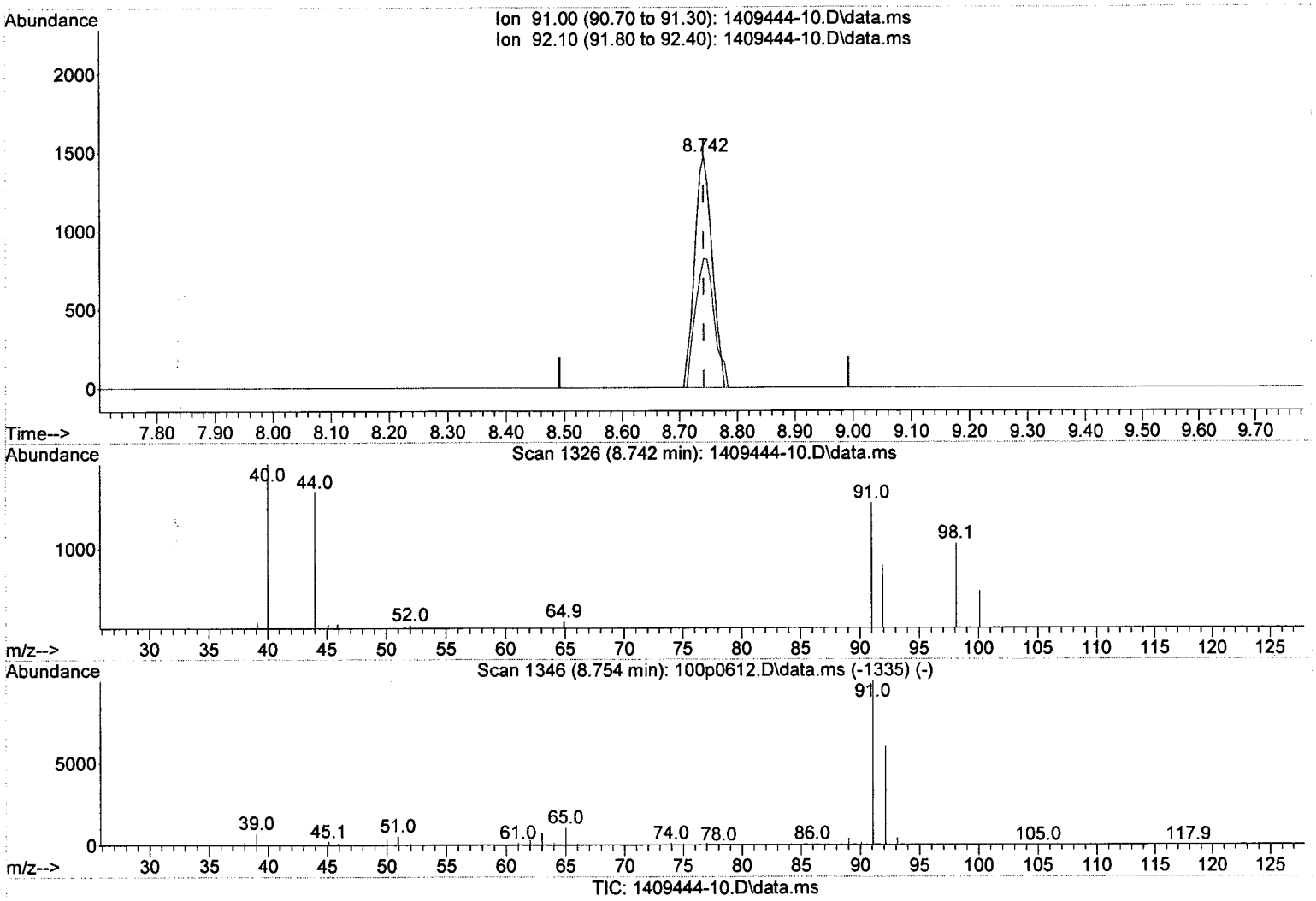
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	3081	0.17 ug/L	96
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.642	43	1670	nt ~~0.59~~ ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2612	0.59 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	3184	0.16 ug/L #	44
60) m+p-xylene	10.936	106	3914	0.53 ug/L #	85
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	12.560	105	2153	0.14 ug/L #	29
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.130	105	3483	0.22 ug/L #	32
77) sec-butylbenzene	13.130	105	3422	0.17 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

000719

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-10.D
Acq On : 01 Oct 2014 13:36
Operator : DLV
Sample : 1409444-10
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 13:56:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-10.D\data.ms

(47) toluene (C)

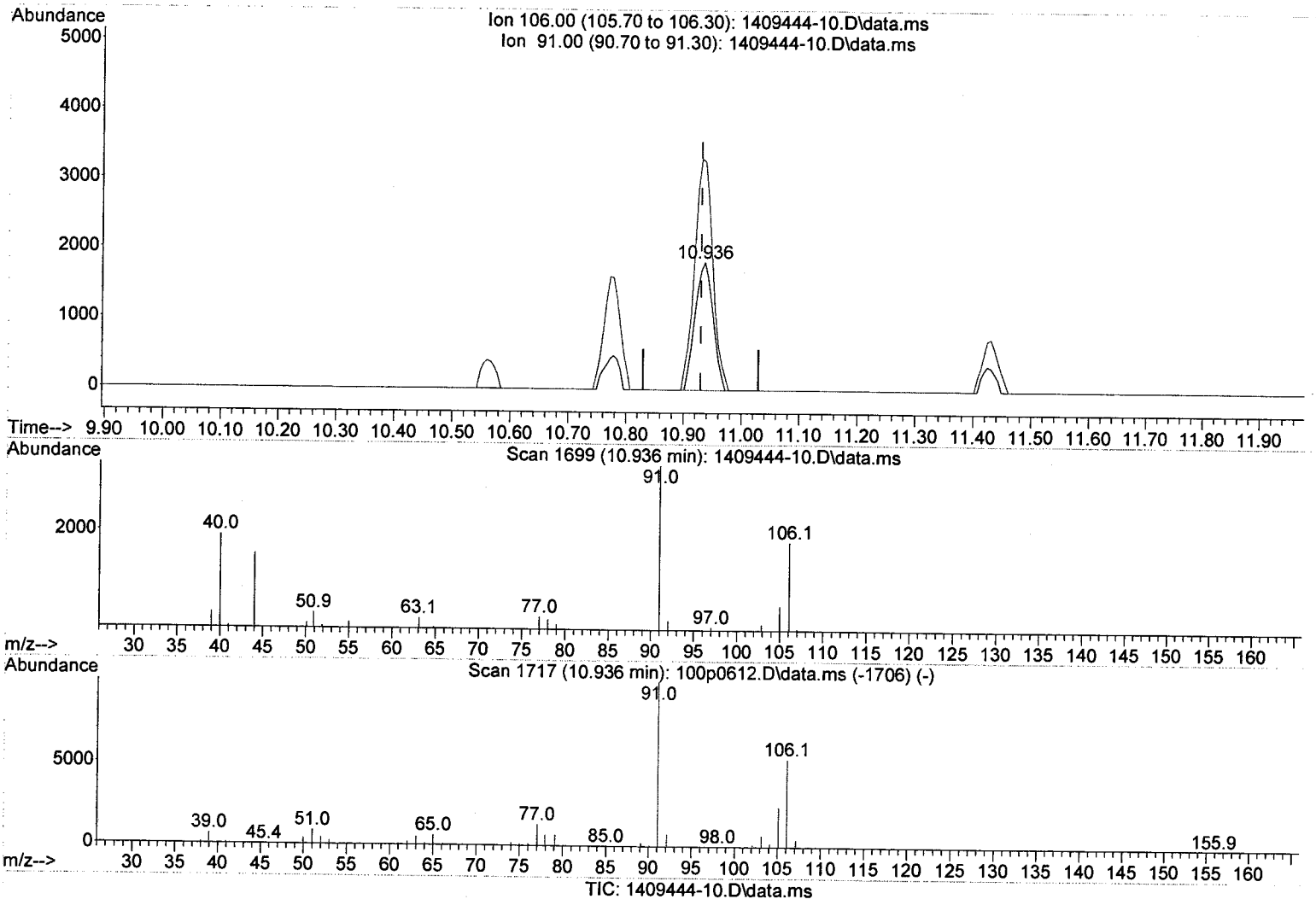
8.742min (+ 0.000) 0.17 ug/L

response 3081

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	60.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-10.D
Acq On : 01 Oct 2014 13:36
Operator : DLV
Sample : 1409444-10
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 13:56:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(60) m+p-xylene

10.936min (+ 0.006) 0.53 ug/L

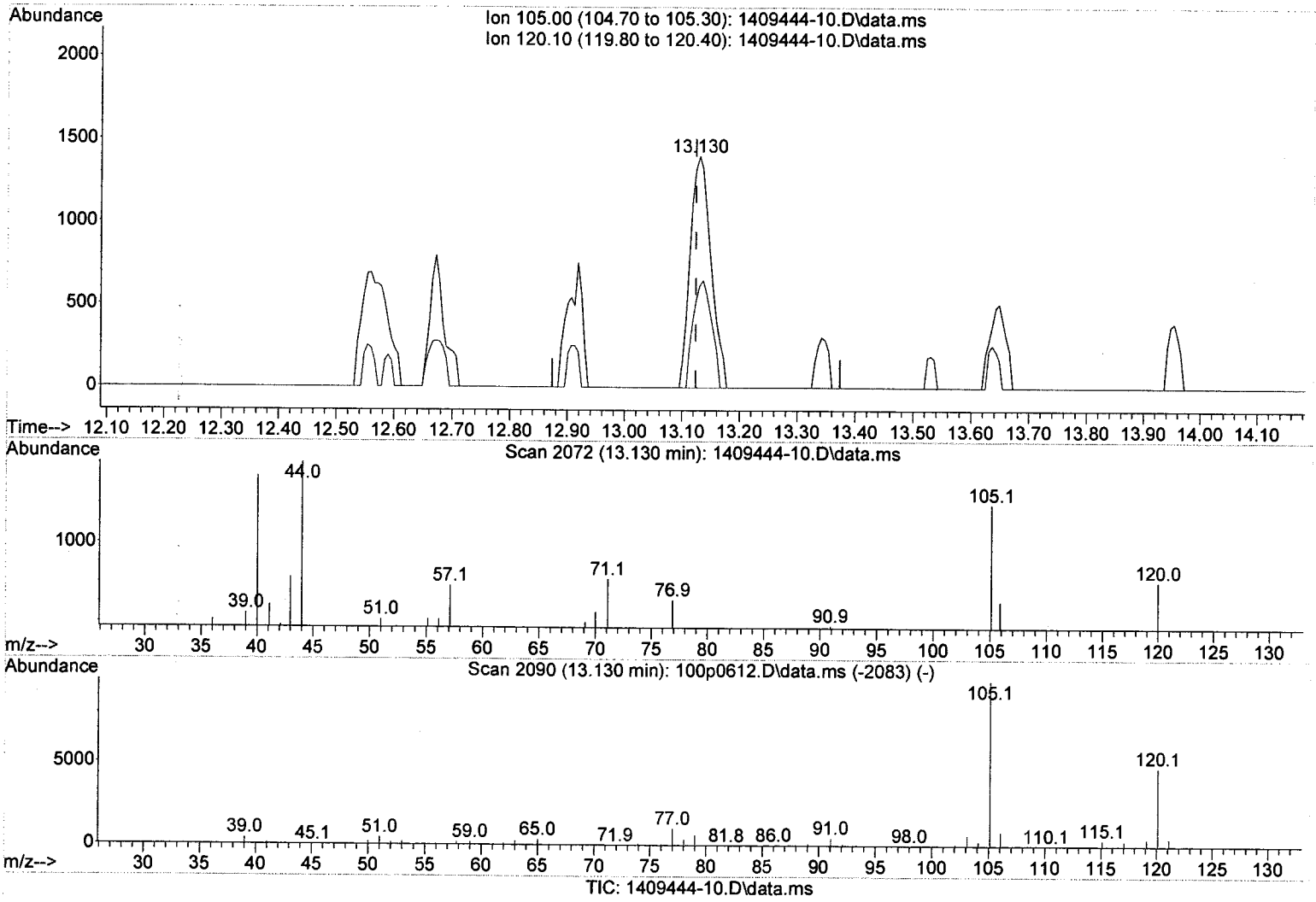
response 3914

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	184.41#
0.00	0.00	0.00
0.00	0.00	0.00

000721

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-10.D
Acq On : 01 Oct 2014 13:36
Operator : DLV
Sample : 1409444-10
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 13:56:54 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-10.D\data.ms

(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.22 ug/L

response 3483

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB20-5

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-11
File ID: 1409444-11.D
Sampled: 09/24/14 08:35
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 14:00
Solids: 96.98
Preparation: 5035A Low Concentratio
Initial/Final: 4.8 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.2	4.3	5.2	5.2	U
71-43-2	Benzene	1	0.52	0.16	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.52	0.24	0.52	1.0	U
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.15	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.26	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.096	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.23	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.23	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.12	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB20-5

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-11
File ID: 1409444-11.D
Sampled: 09/24/14 08:35
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 14:00
Solids: 96.98
Preparation: 5035A Low Concentratio
Initial/Final: 4.8 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.52	0.19	0.52	1.0	U
87-68-3	Hexachlorobutadiene	1	0.52	0.21	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.49	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	5.2	1.1	5.2	5.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	0.52	0.18	0.52	1.0	U
108-88-3	Toluene	1	0.12	0.10	0.21	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.29	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.52	0.12	0.52	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.32	0.15	0.41	2.1	J
95-47-6	Xylene, Ortho	1	0.21	0.11	0.21	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.9	105	78 - 119	
1,2-Dichloroethane-d4	40.0	44.1	110	71 - 136	
Toluene-d8	40.0	39.4	98	85 - 116	
4-Bromofluorobenzene	40.0	40.4	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	474957	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB20-5

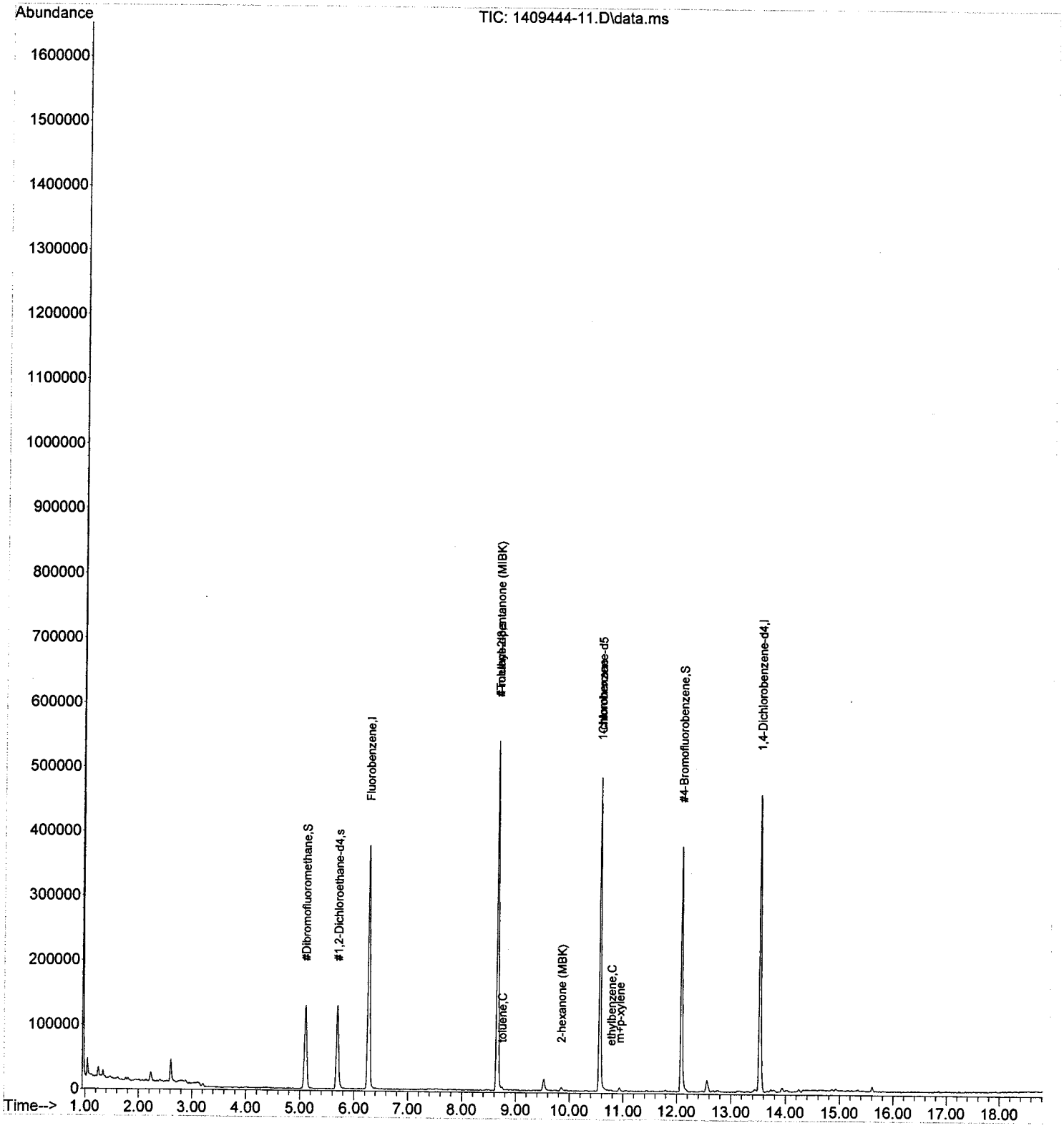
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-11
File ID: 1409444-11.D
Sampled: 09/24/14 08:35
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 14:00
Solids: 96.98
Preparation: 5035A Low Concentratio
Initial/Final: 4.8 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	331172	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	159627	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-11.D
Acq On : 01 Oct 2014 14:00
Operator : DLV
Sample : 1409444-11
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 14:24:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-11.D
Acq On : 01 Oct 2014 14:00
Operator : DLV
Sample : 1409444-11
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 14:24:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	474957	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	331172	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	159627	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	125164	41.91	ug/L	0.00
Spiked Amount 40.000			Recovery = 104.77%			
37) #1,2-Dichloroethane-d4	5.695	67	75058	44.06	ug/L	0.00
Spiked Amount 40.000			Recovery = 110.15%			
46) #Toluene-d8	8.654	98	454422	39.40	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.50%			
64) #4-Bromofluorobenzene	12.083	95	167505	40.35	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.88%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	20580	Below Cal		97
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	20760	Below Cal		96
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.331	43	2518	Below Cal	#	50
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-11.D
Acq On : 01 Oct 2014 14:00
Operator : DLV
Sample : 1409444-11
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 14:24:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

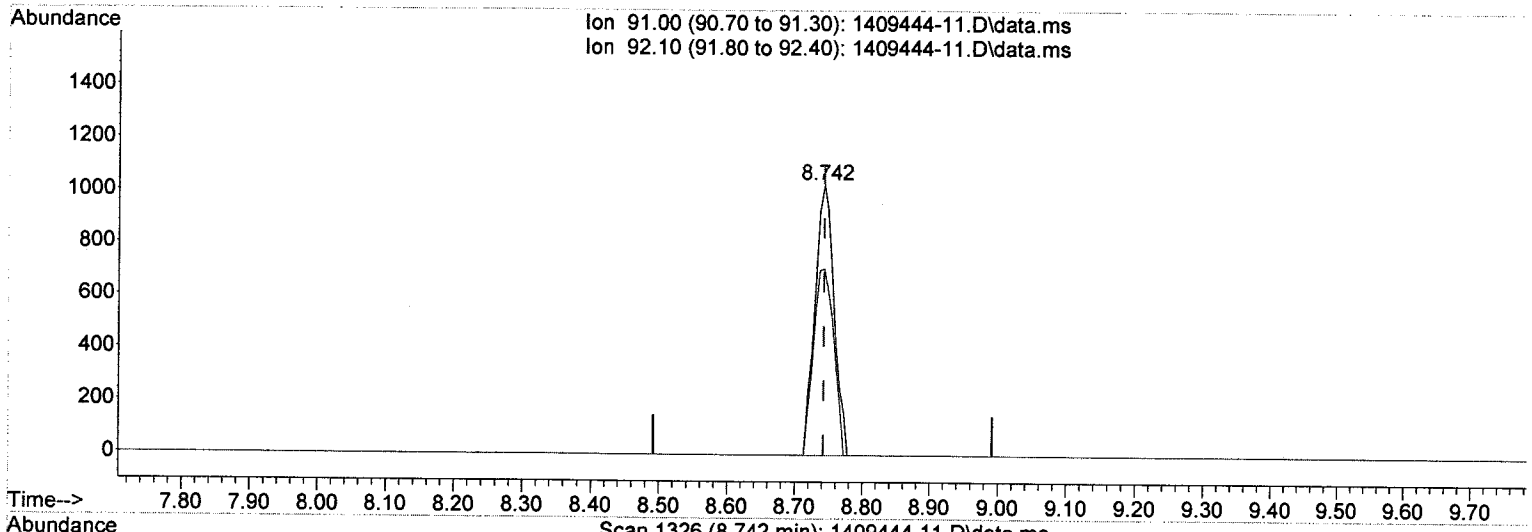
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	8.654	43	2228	~~0.61~~ ug/L #	1
47) toluene	8.742	91	2004	0.11 ug/L #	22
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.848	43	2428	~~0.88~~ ug/L #	26
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2288	0.53 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.778	91	1508	0.08 ug/L #	44
60) m+p-xylene	10.936	106	2189	0.30 ug/L	96
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

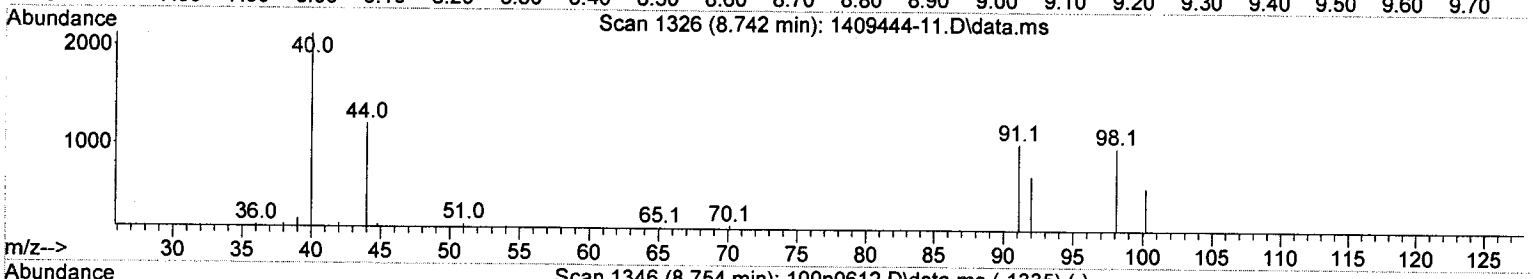
(#) = qualifier out of range (m) = manual integration (+) = signals summed

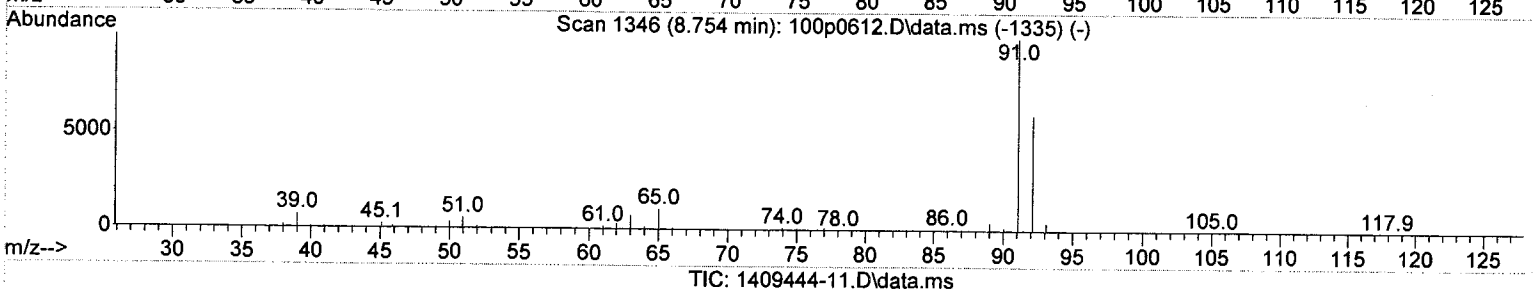
000728

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-11.D
Acq On : 01 Oct 2014 14:00
Operator : DLV
Sample : 1409444-11
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 14:24:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409444-11.D\data.ms

(47) toluene (C)

8.742min (+ 0.000) 0.11 ug/L

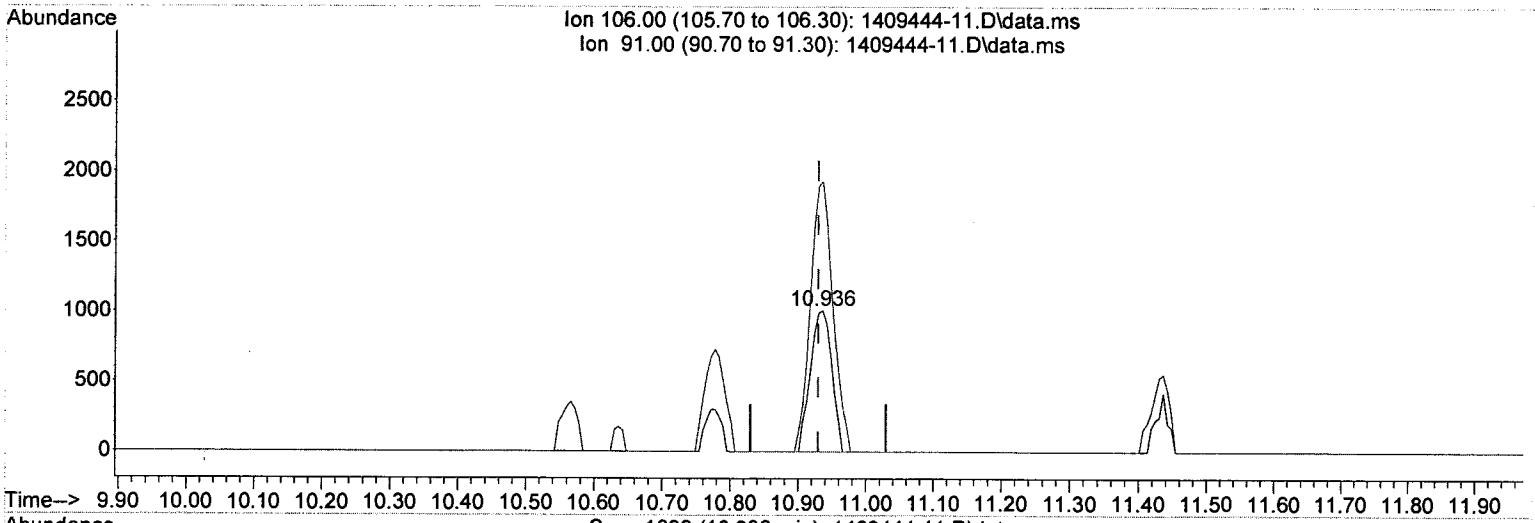
response 2004

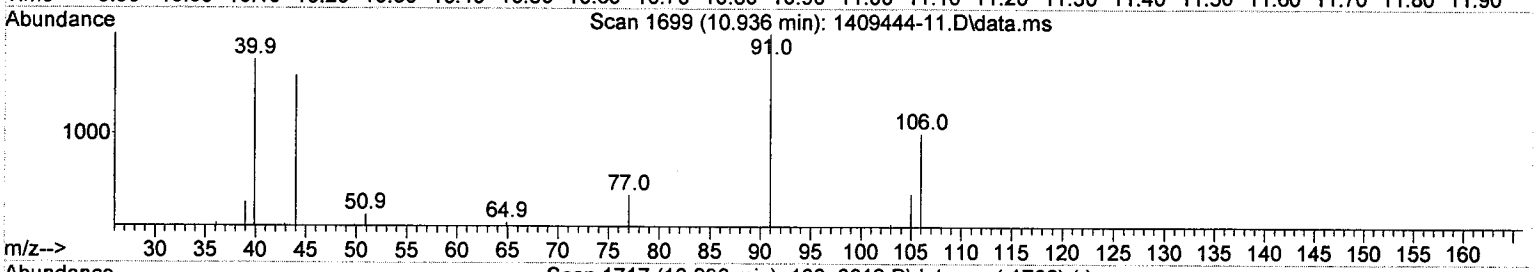
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

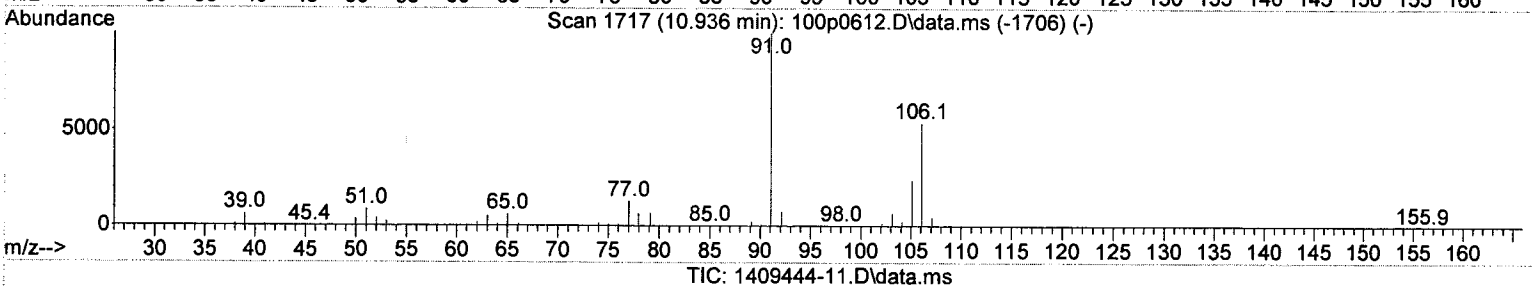
000729

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-11.D
Acq On : 01 Oct 2014 14:00
Operator : DLV
Sample : 1409444-11
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 01 14:24:34 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409444-11.D\data.ms

(60) m+p-xylene

10.936min (+ 0.006) 0.30 ug/L

response 2189

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	200.78
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB20-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-12
File ID: 1409444-12.D
Sampled: 09/24/14 09:10
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 14:23
Solids: 97.39
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.1	4.3	5.1	5.1	U
71-43-2	Benzene	1	0.51	0.16	0.51	1.0	U
108-86-1	Bromobenzene	1	0.51	0.14	0.51	1.0	U
74-97-5	Bromochloromethane	1	0.51	0.15	0.51	1.0	U
75-27-4	Bromodichloromethane	1	0.51	0.18	0.51	1.0	U
75-25-2	Bromoform	1	0.51	0.37	0.51	1.0	U
74-83-9	Bromomethane	1	0.51	0.34	0.51	1.0	U
104-51-8	n-Butylbenzene	1	1.8	0.27	0.51	1.0	
135-98-8	sec-Butylbenzene	1	0.94	0.22	0.51	1.0	J
98-06-6	tert-Butylbenzene	1	0.51	0.17	0.51	1.0	U
75-15-0	Carbon Disulfide	1	0.51	0.24	0.51	1.0	U
56-23-5	Carbon Tetrachloride	1	0.51	0.33	0.51	1.0	U
108-90-7	Chlorobenzene	1	0.51	0.15	0.51	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.51	0.15	0.51	1.0	U
74-87-3	Chloromethane	1	0.51	0.26	0.51	1.0	U
95-49-8	2-Chlorotoluene	1	0.51	0.30	0.51	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.1	U
124-48-1	Dibromochloromethane	1	0.51	0.19	0.51	1.0	U
106-93-4	1,2-Dibromoethane	1	0.51	0.16	0.51	1.0	U
74-95-3	Dibromomethane	1	0.51	0.23	0.51	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.096	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.51	0.15	0.51	1.0	U
75-34-3	1,1-Dichloroethane	1	0.51	0.22	0.51	1.0	U
107-06-2	1,2-Dichloroethane	1	0.51	0.23	0.51	1.0	U
75-35-4	1,1-Dichloroethene	1	0.51	0.31	0.51	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.51	0.23	0.51	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.51	0.28	0.51	1.0	U
78-87-5	1,2-Dichloropropane	1	0.51	0.17	0.51	1.0	U
142-28-9	1,3-Dichloropropane	1	0.51	0.15	0.51	1.0	U
594-20-7	2,2-Dichloropropane	1	0.51	0.24	0.51	1.0	U
563-58-6	1,1-Dichloropropene	1	0.51	0.29	0.51	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.51	0.12	0.51	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB20-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-12
File ID: 1409444-12.D
Sampled: 09/24/14 09:10
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 14:23
Solids: 97.39
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.4	0.19	0.51	1.0	
87-68-3	Hexachlorobutadiene	1	0.51	0.21	0.51	1.0	U
591-78-6	2-Hexanone	1	0.51	0.49	0.51	5.1	U
98-82-8	Isopropylbenzene	1	0.64	0.11	0.21	1.0	J
99-87-6	4-Isopropyltoluene	1	1.2	0.25	0.51	1.0	
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.1	U
78-93-3	2-Butanone (MEK)	1	5.1	1.1	5.1	5.1	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.51	0.40	0.51	5.1	U
91-20-3	Naphthalene	1	5.0	0.17	0.51	5.1	J
103-65-1	n-Propylbenzene	1	1.4	0.12	0.51	1.0	
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
127-18-4	Tetrachloroethene	1	0.51	0.18	0.51	1.0	U
108-88-3	Toluene	1	0.20	0.10	0.21	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.51	0.29	0.51	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.51	0.17	0.51	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.51	0.15	0.51	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.51	0.22	0.51	1.0	U
79-01-6	Trichloroethene	1	0.51	0.25	0.51	1.0	U
75-69-4	Trichlorofluoromethane	1	0.51	0.18	0.51	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.51	0.23	0.51	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	8.7	0.12	0.51	1.0	
108-67-8	1,3,5-Trimethylbenzene	1	4.0	0.20	0.51	1.0	
75-01-4	Vinyl Chloride	1	0.51	0.21	0.51	1.0	U
179601-23-1	Xylene, Meta + Para	1	4.3	0.15	0.41	2.1	
95-47-6	Xylene, Ortho	1	0.30	0.11	0.21	1.0	J

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.3	103	78 - 119	
1,2-Dichloroethane-d4	40.0	44.4	111	71 - 136	
Toluene-d8	40.0	40.3	101	85 - 116	
4-Bromofluorobenzene	40.0	39.1	98	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	457311	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU14SB20-33

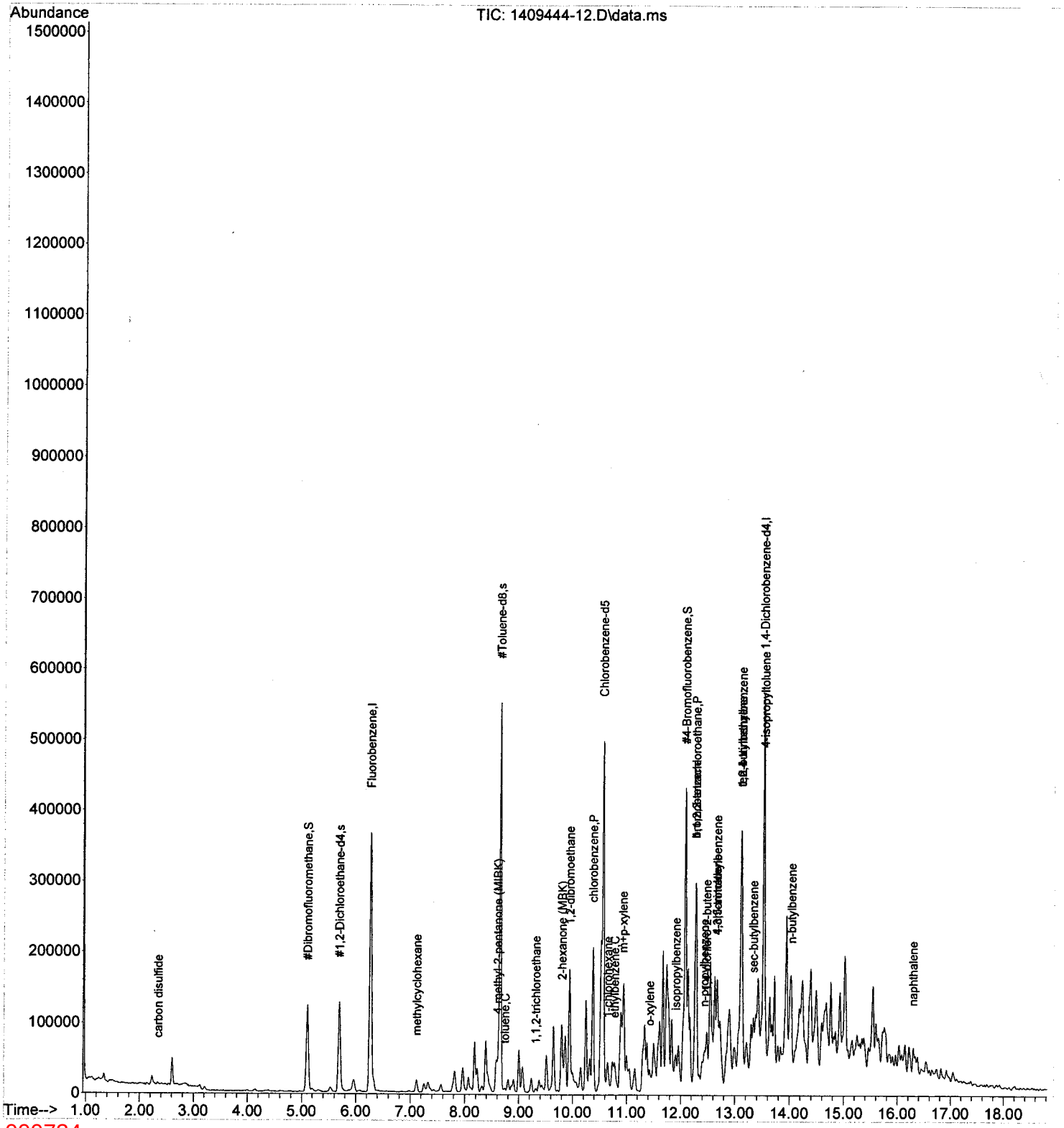
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-12
File ID: 1409444-12.D
Sampled: 09/24/14 09:10
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 14:23
Solids: 97.39
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	331045	10.56	309516	10.56	
1,4-Dichlorobenzene-d4	166034	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	457311	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	331045	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	166034	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	118829	41.32	ug/L	0.00
Spiked Amount 40.000			Recovery = 103.30%			
37) #1,2-Dichloroethane-d4	5.689	67	72766	44.36	ug/L	0.00
Spiked Amount 40.000			Recovery = 110.90%			
46) #Toluene-d8	8.654	98	447607	40.31	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.78%			
64) #4-Bromofluorobenzene	12.083	95	162189	39.08	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.70%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	18095	Below Cal		99
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.343	76	1921	0.18	ug/L #	74
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	23551	Below Cal		96
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	3960	Below Cal	#	50
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	5.954	57	23353	No Calib	#	
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

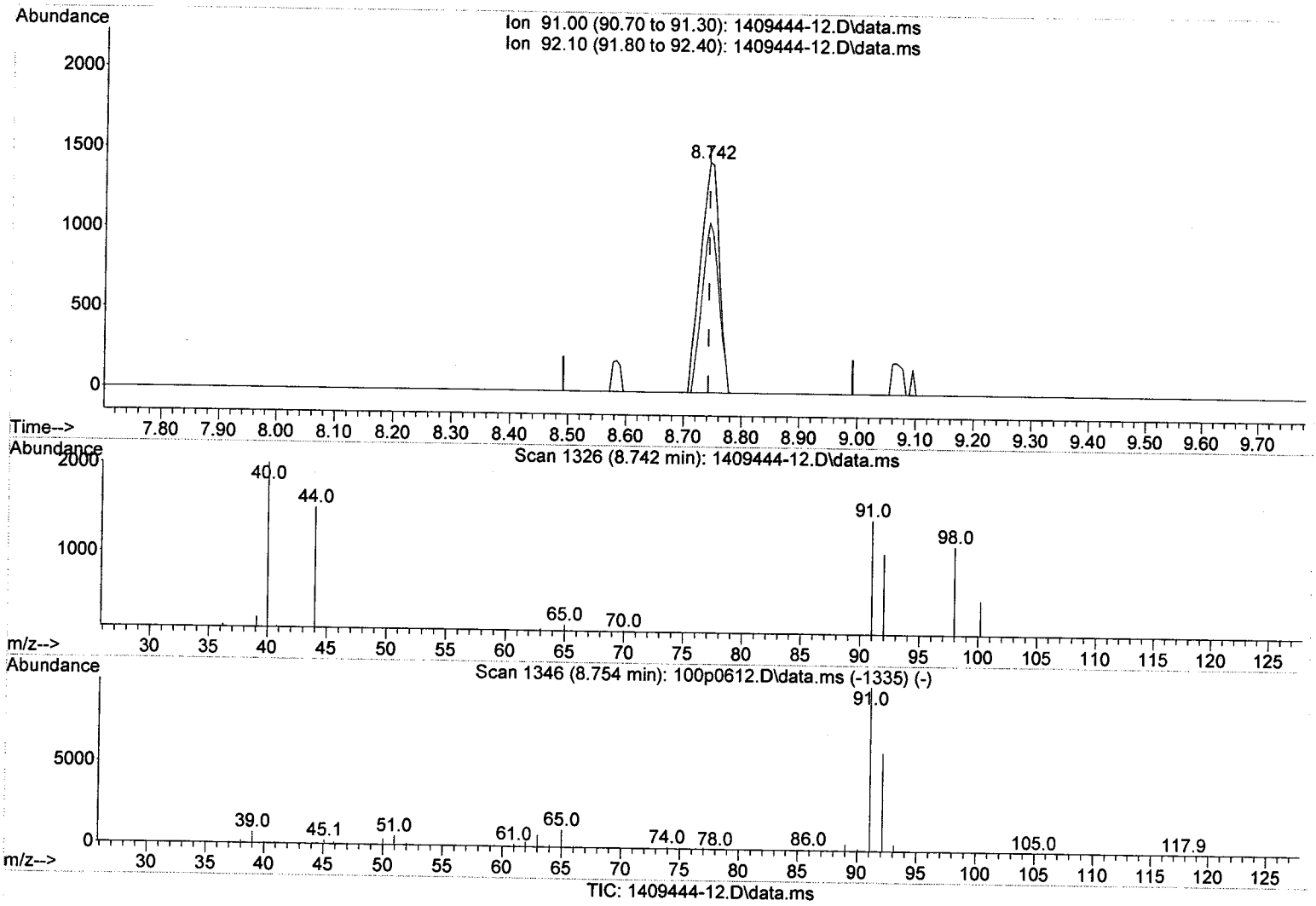
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	7.119	83	7490	1.04 ug/L	90
40)	1,2-dichloropropane	0.000		0	N.D.	
41)	dibromomethane	0.000		0	N.D.	
42)	bromodichloromethane	0.000		0	N.D.	
43)	2-chloroethyl vinyl ether	0.000		0	N.D.	
44)	cis-1,3-dichloropropene	0.000		0	N.D.	
45)	4-methyl-2-pentanone (...	8.607	43	7497	~~2.14~~ ug/L #	48
47)	toluene	8.742	91	3211	0.19 ug/L	87
48)	trans-1,3-dichloropropene	0.000		0	N.D.	
49)	1,1,2-trichloroethane	9.319	83	1821	~~1.52~~ ug/L #	4
51)	tetrachloroethene	0.000		0	N.D.	
52)	1,3-dichloropropane	0.000		0	N.D.	
53)	2-hexanone (MBK)	9.801	43	28642	~~10.37~~ ug/L #	1
54)	dibromochloromethane	0.000		0	N.D.	
55)	1,2-dibromoethane	9.942	109	1840	~~2.25~~ ug/L #	100
56)	chlorobenzene	10.377	112	1878	~~0.17~~ ug/L #	27
57)	1-chlorohexane	10.648	55	5303	1.22 ug/L #	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59)	ethylbenzene	10.772	91	26175	1.36 ug/L	97
60)	m+p-xylene	10.930	106	29678	4.12 ug/L	100
61)	o-xylene	11.430	106	2007	0.29 ug/L #	84
62)	styrene	0.000		0	N.D.	
63)	bromoform	0.000		0	N.D.	
66)	isopropylbenzene	11.913	105	11171	0.61 ug/L	98
67)	bromobenzene	12.277	77	4432	~~0.59~~ ug/L #	21
68)	1,1,2,2-tetrachloroethane	12.277	83	27908	~~6.48~~ ug/L #	39
69)	1,2,3-trichloropropane	0.000		0	N.D.	
70)	1,4-dichloro-2-butene	12.477	53	2276	3.80 ug/L #	10
71)	n-propylbenzene	12.436	120	6515	1.30 ug/L	93
72)	2-chlorotoluene	0.000		0	N.D.	
73)	1,3,5-trimethylbenzene	12.671	105	58812	3.79 ug/L	99
74)	4-chlorotoluene	12.671	91	8530	~~0.56~~ ug/L #	45
75)	tert-butylbenzene	13.124	119	15846	~~1.20~~ ug/L #	61
76)	1,2,4-trimethylbenzene	13.124	105	128825	8.27 ug/L	99
77)	sec-butylbenzene	13.342	105	18026	0.90 ug/L	95
78)	1,3-dichlorobenzene	0.000		0	N.D.	
79)	4-isopropyltoluene	13.536	119	18759	1.11 ug/L	92
80)	1,4-dichlorobenzene	0.000		0	N.D.	
81)	1,2-dichlorobenzene	0.000		0	N.D.	
82)	n-butylbenzene	14.042	91	27409	1.70 ug/L #	27
83)	hexachloroethane	0.000		0	N.D.	
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85)	1,2,4-trichlorobenzene	0.000		0	N.D.	
86)	hexachlorobutadiene	0.000		0	N.D.	
87)	naphthalene	16.295	128	12158	4.80 ug/L #	71
88)	1,2,3-trichlorobenzene	0.000		0	N.D.	
89)	2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-12.D\data.ms

(47) toluene (C)

8.742min (+ 0.000) 0.19 ug/L

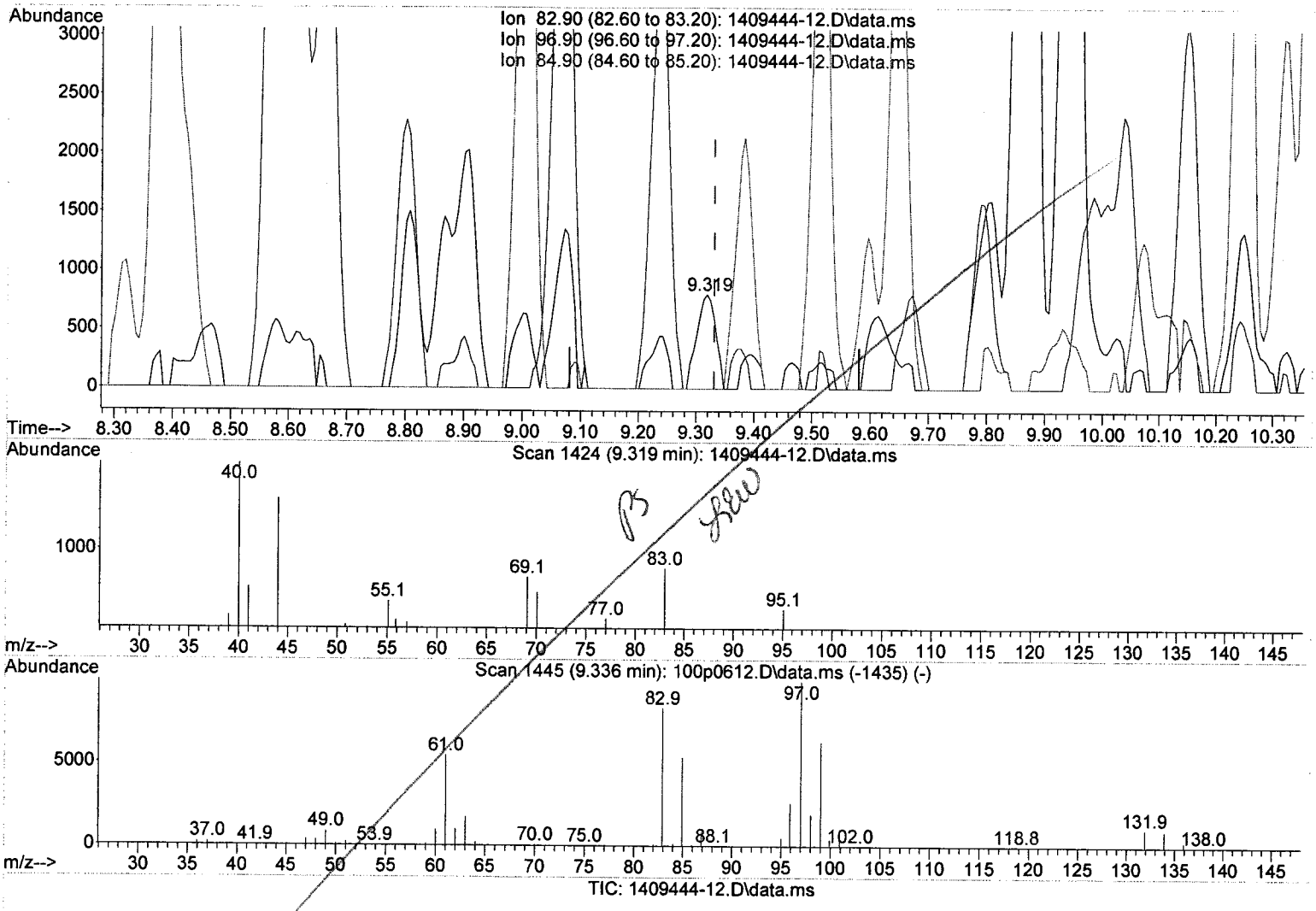
response 3211

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	67.08
0.00	0.00	0.00
0.00	0.00	0.00

000737

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-12.D\data.ms

(49) 1,1,2-trichloroethane

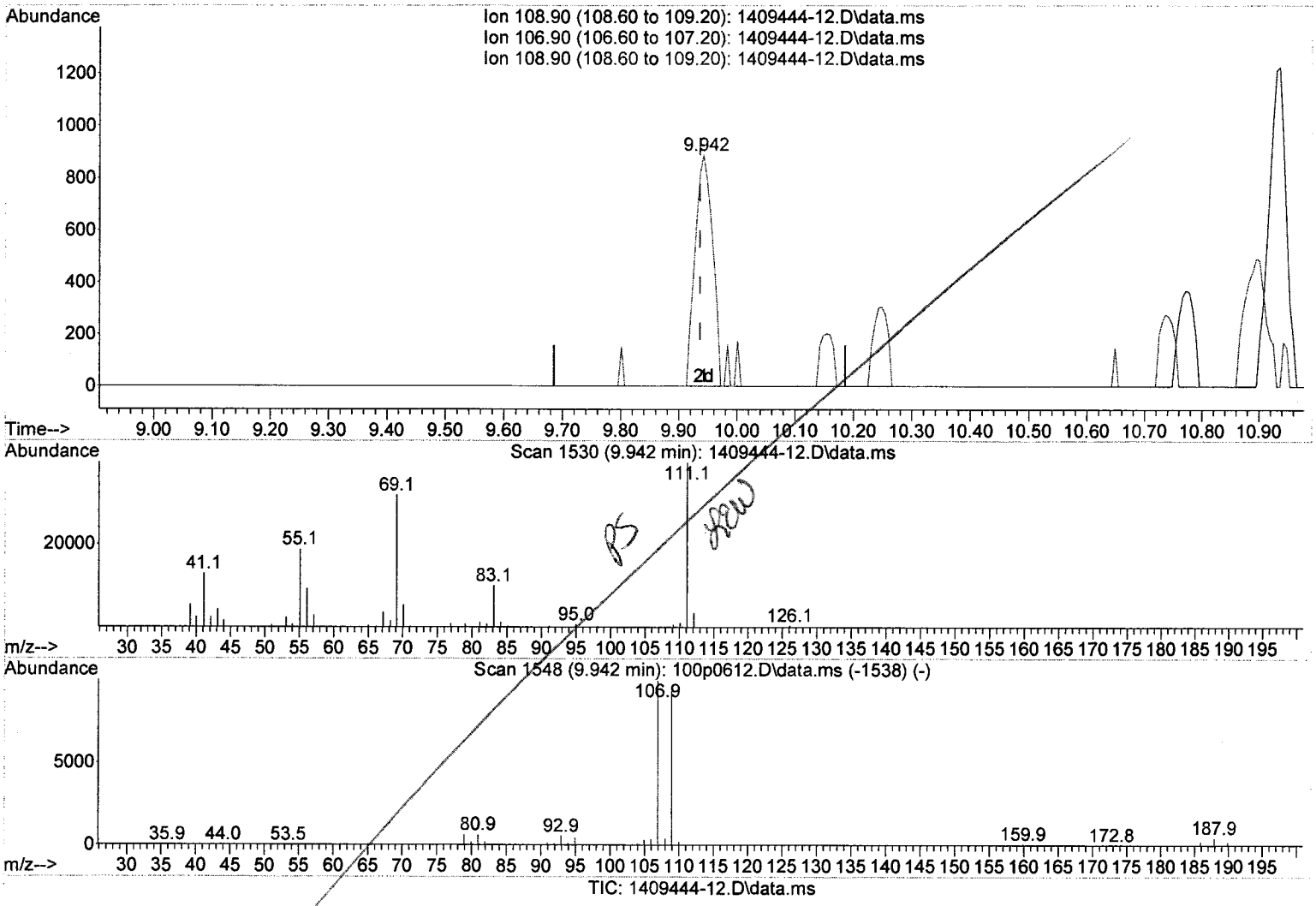
9.319min (-0.012) 1.52 ug/L

response 1821

Ion	Exp%	Act%
82.90	100.00	100.00
96.90	109.90	0.00#
84.90	61.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-12.D\data.ms

(55) 1,2-dibromoethane

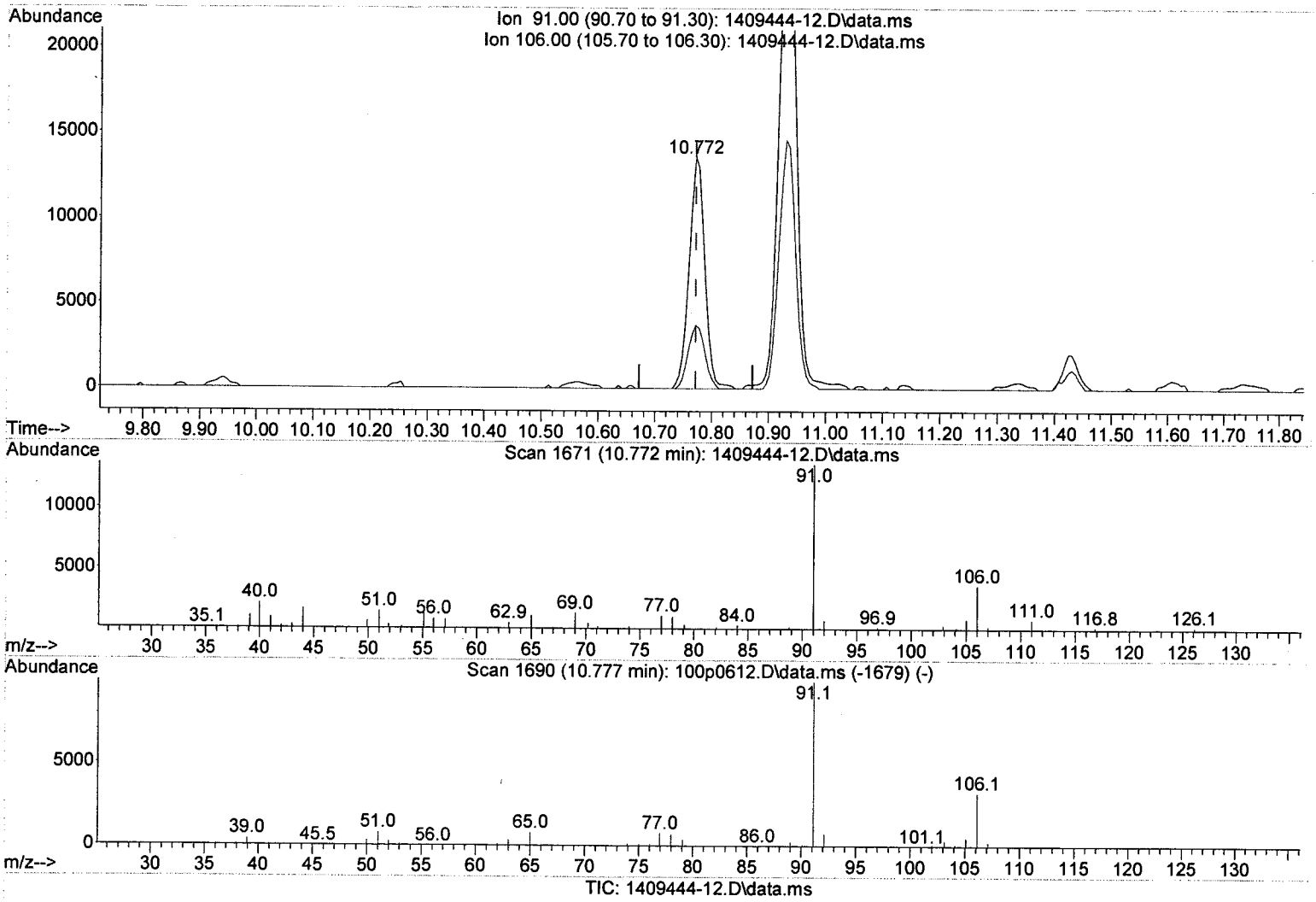
9.942min (+ 0.006) 2.25 ug/L

response 1840

Ion	Exp%	Act%
108.90	100.00	100.00
106.90	0.00	0.00
108.90	100.00	100.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(59) ethylbenzene (C)

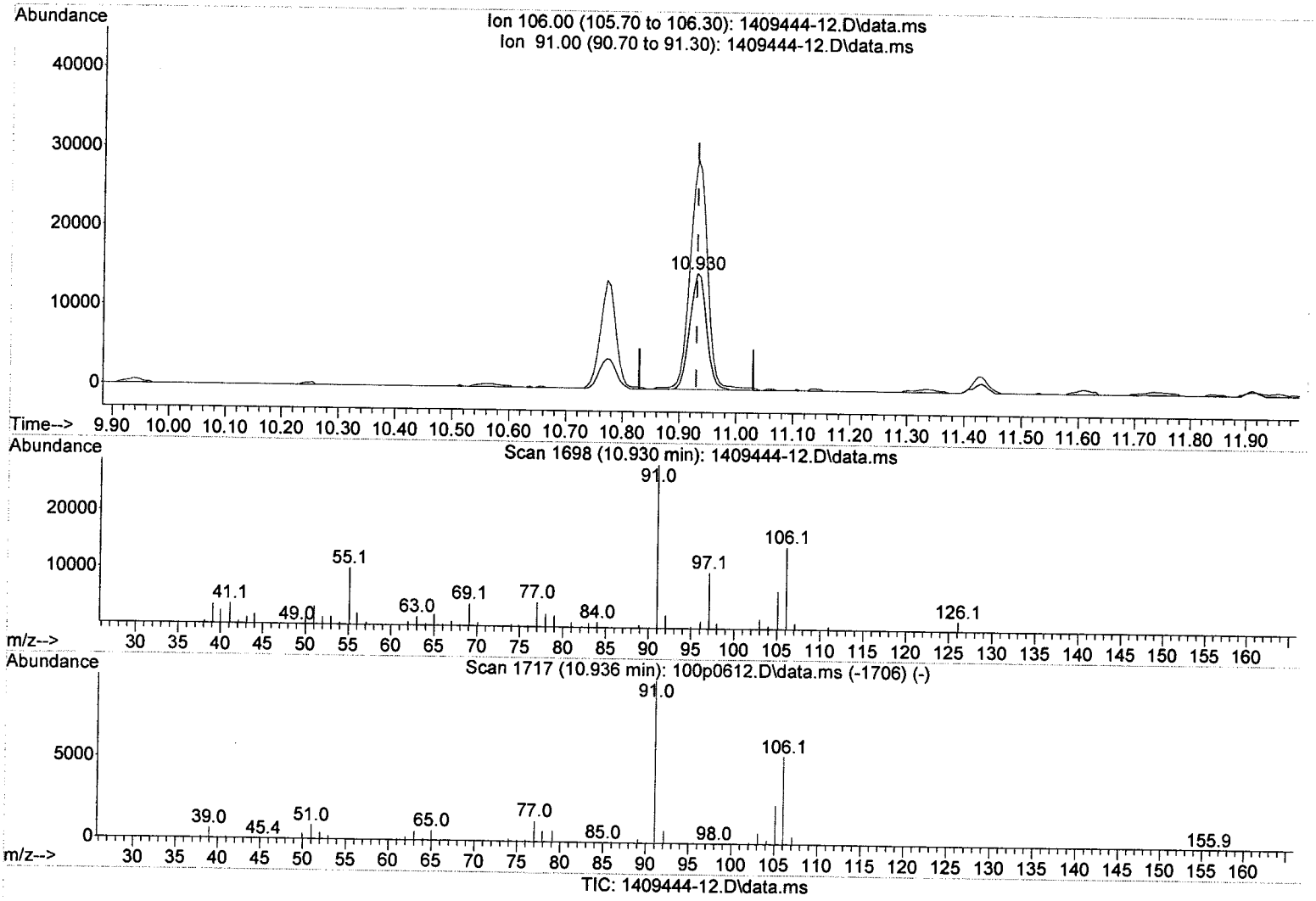
10.772min (-0.001) 1.36 ug/L

response 26175

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.80	29.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-12.D\data.ms

(60) m+p-xylene

10.930min (+ 0.000) 4.12 ug/L

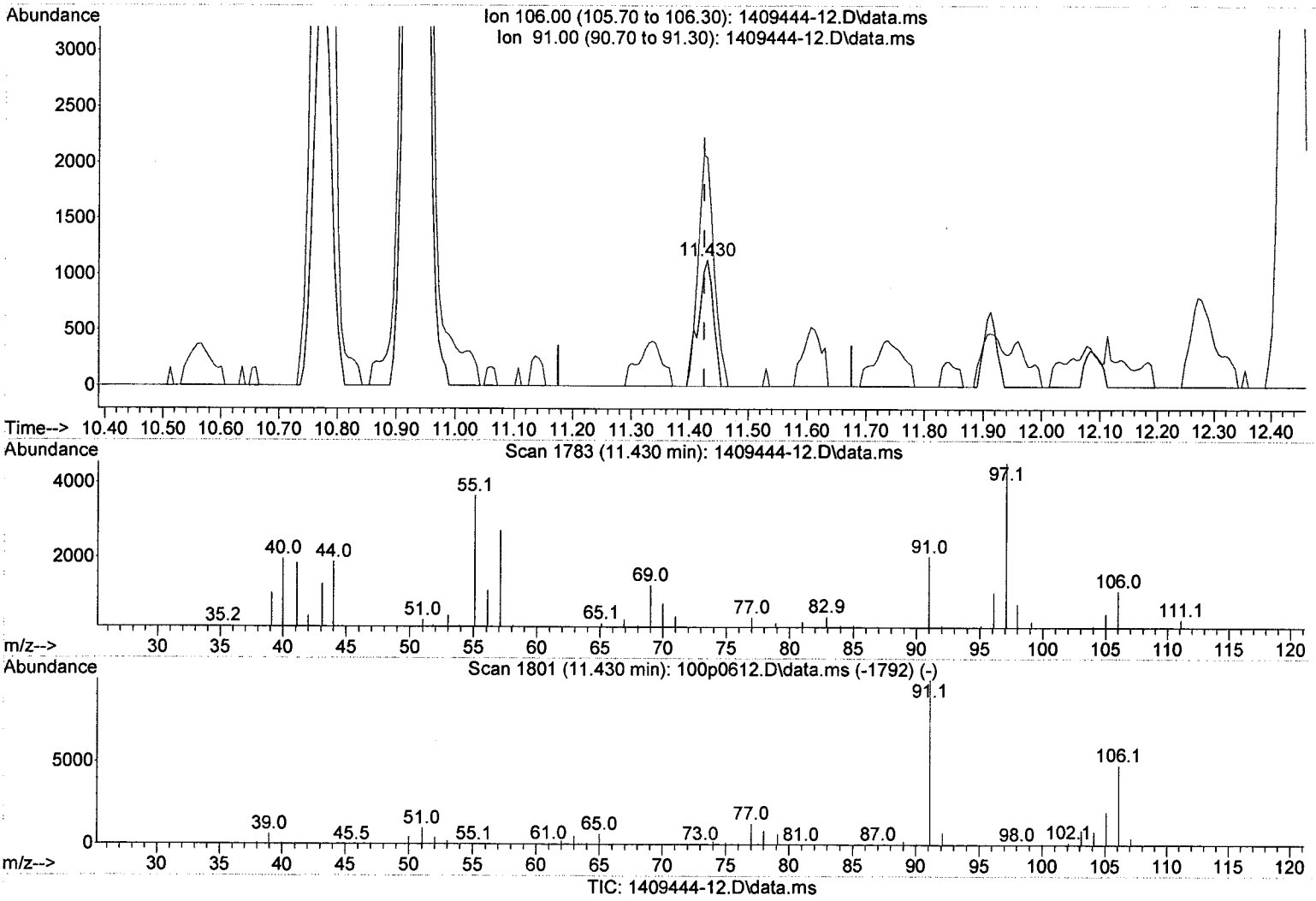
response 29678

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	207.35
0.00	0.00	0.00
0.00	0.00	0.00

000741

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-12.D\data.ms

(61) o-xylene

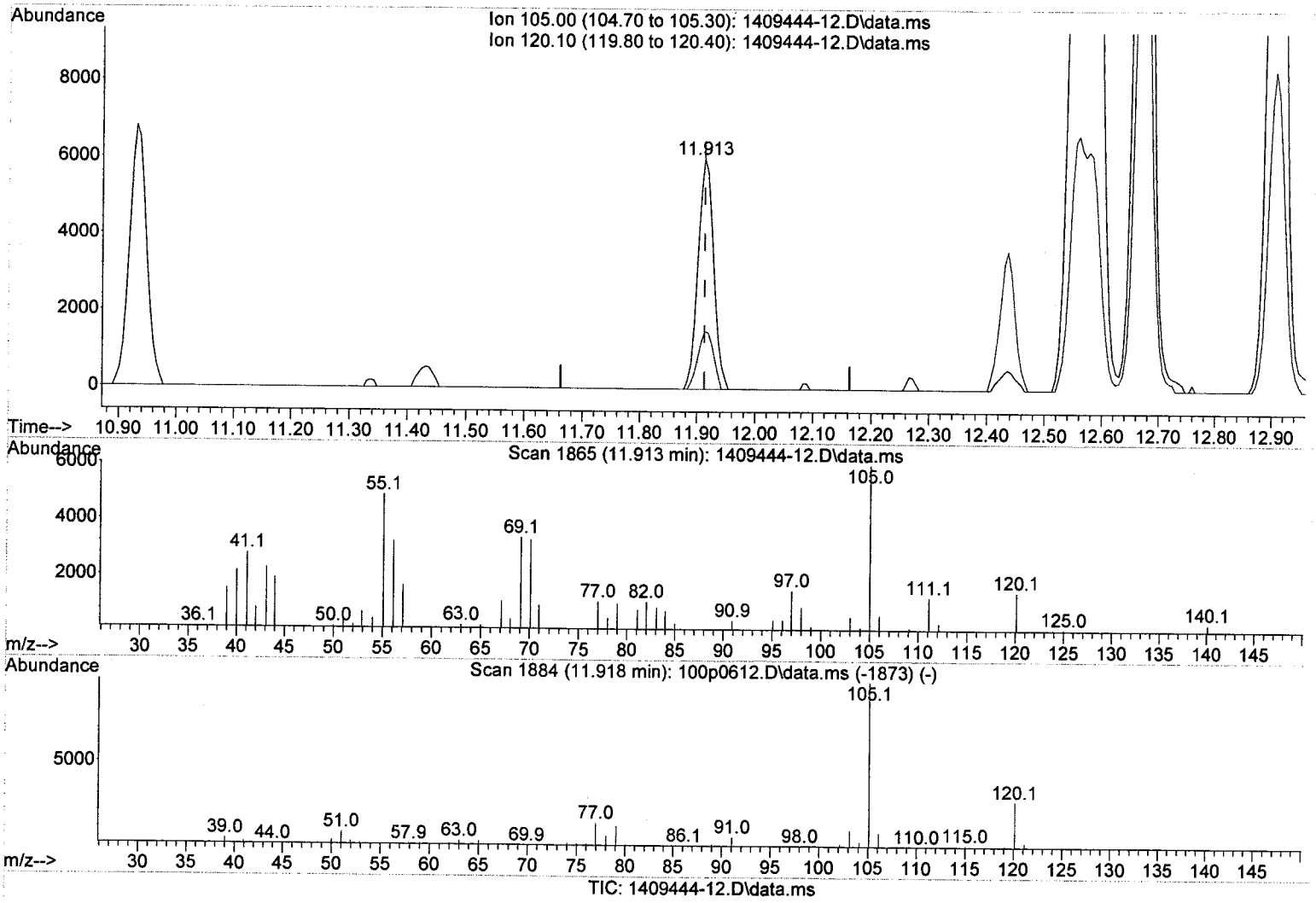
11.430min (+ 0.005) 0.29 ug/L

response 2007

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	194.97#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-12.D\data.ms

(66) isopropylbenzene

11.913min (-0.000) 0.61 ug/L

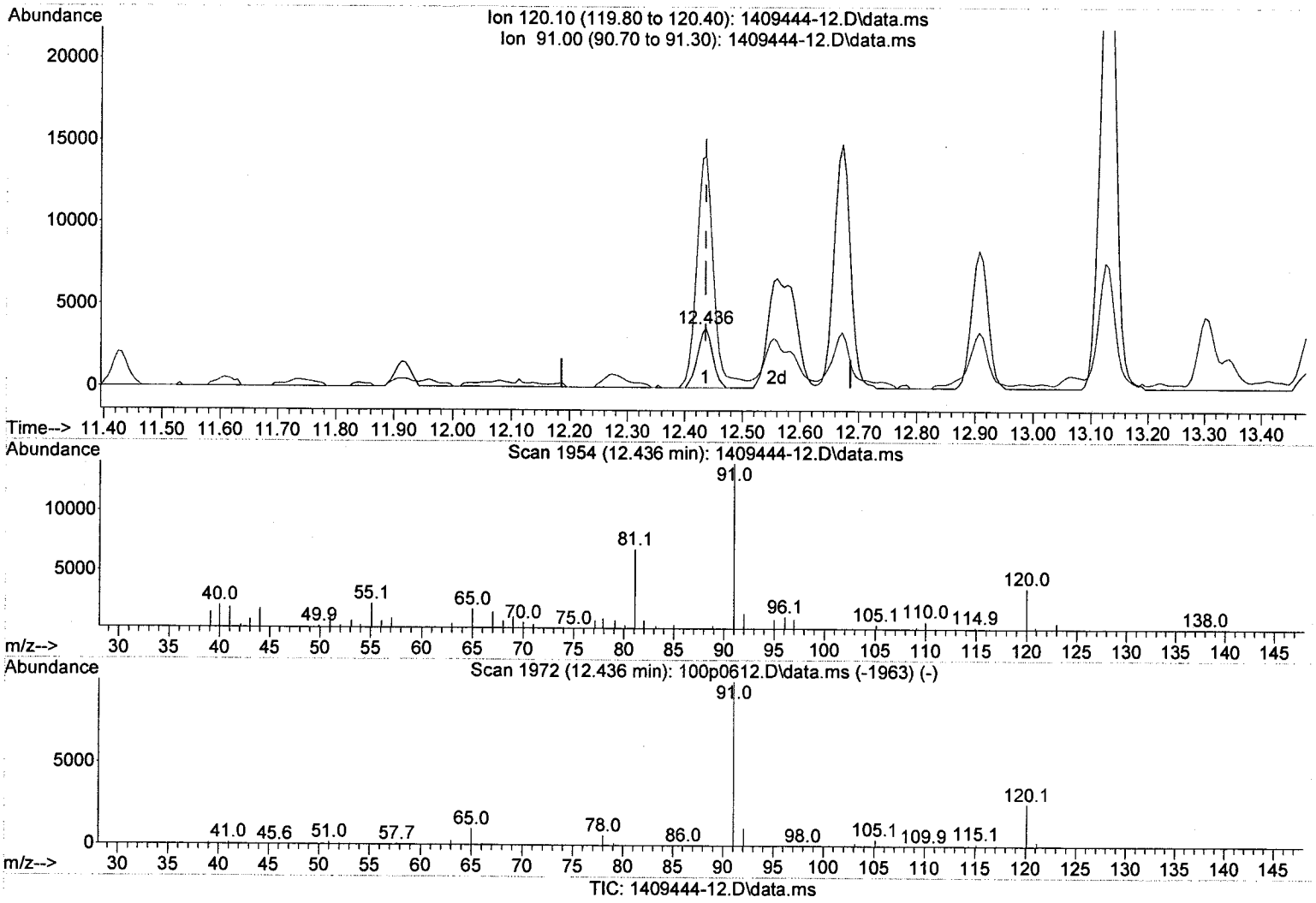
response 11171

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	26.00	24.89
0.00	0.00	0.00
0.00	0.00	0.00

000743

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(71) n-propylbenzene

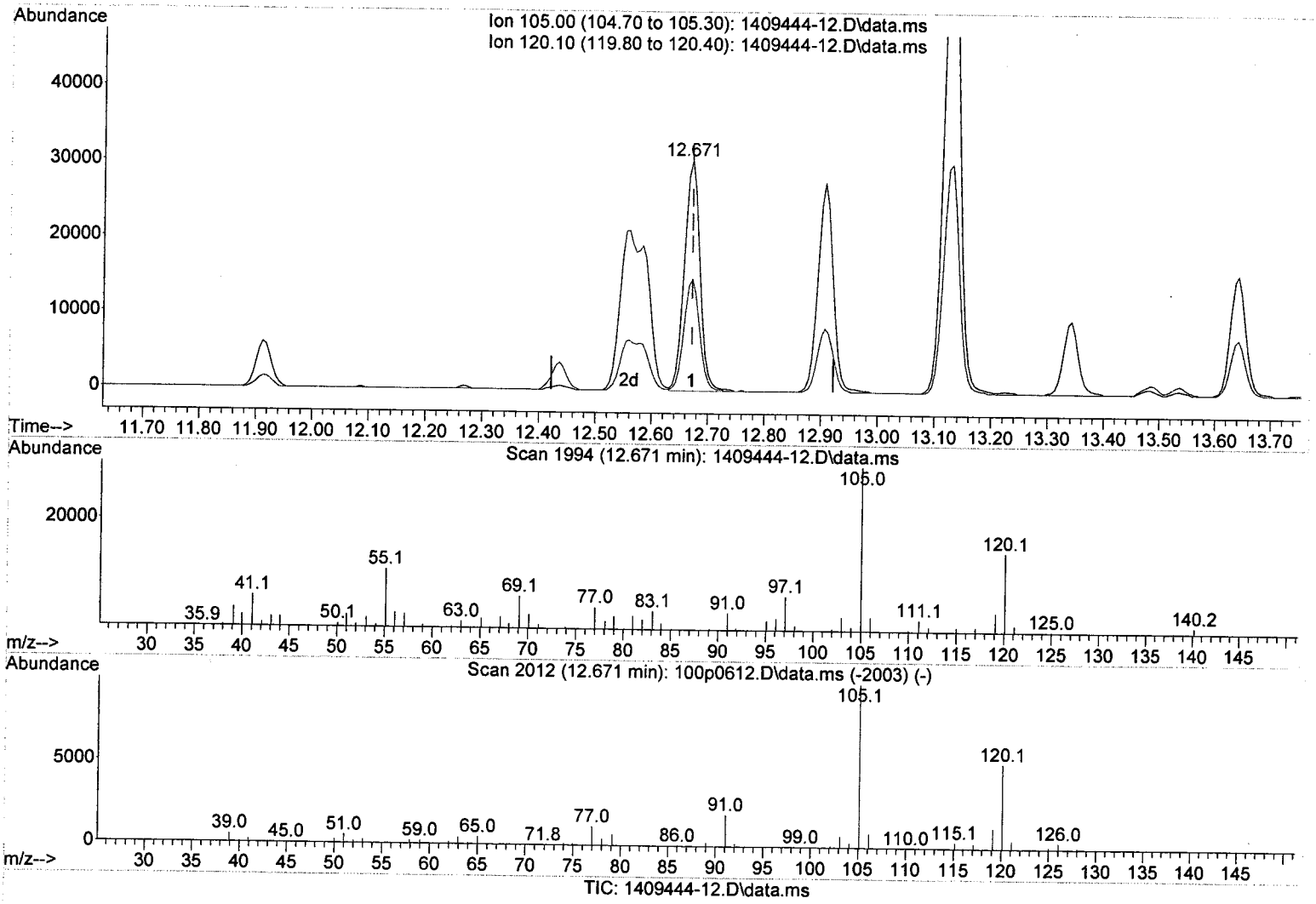
12.436min (+ 0.000) 1.30 ug/L

response 6515

Ion	Exp%	Act%
120.10	100.00	100.00
91.00	459.00	441.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-12.D\data.ms

(73) 1,3,5-trimethylbenzene

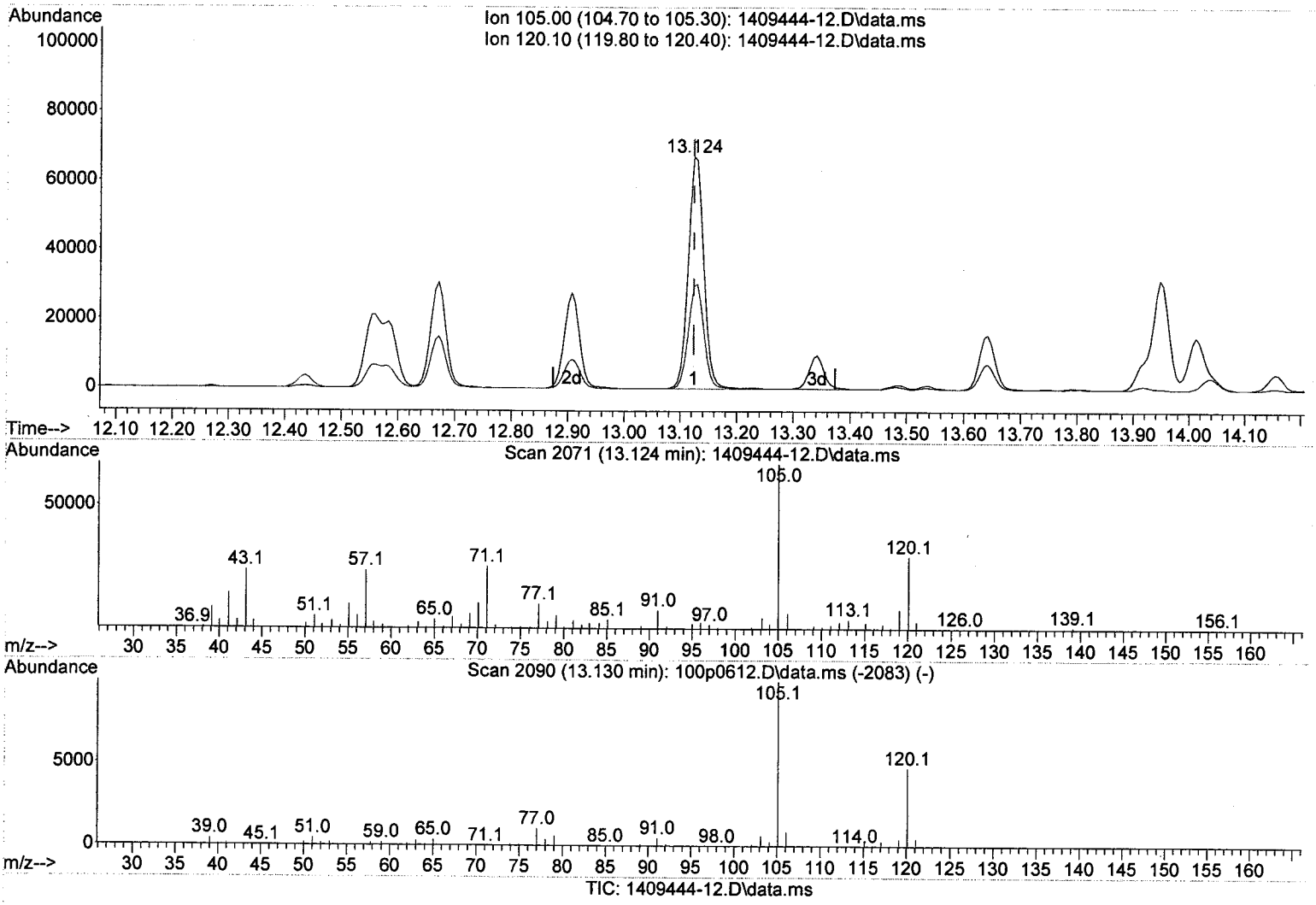
12.671min (-0.001) 3.79 ug/L

response 58812

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	48.20	48.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-12.D\data.ms

(76) 1,2,4-trimethylbenzene

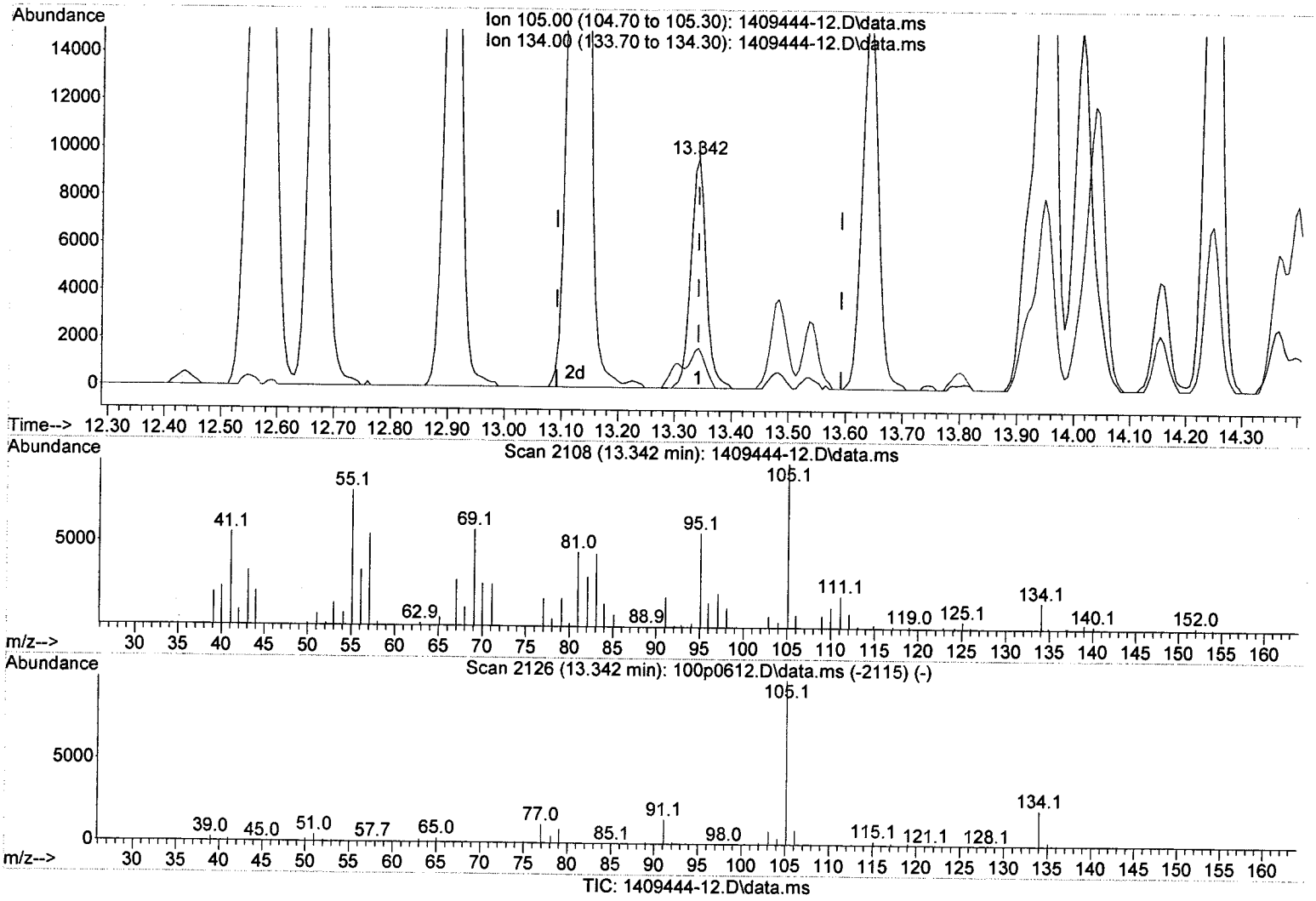
13.124min (+ 0.000) 8.27 ug/L

response 128825

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	45.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(77) sec-butylbenzene

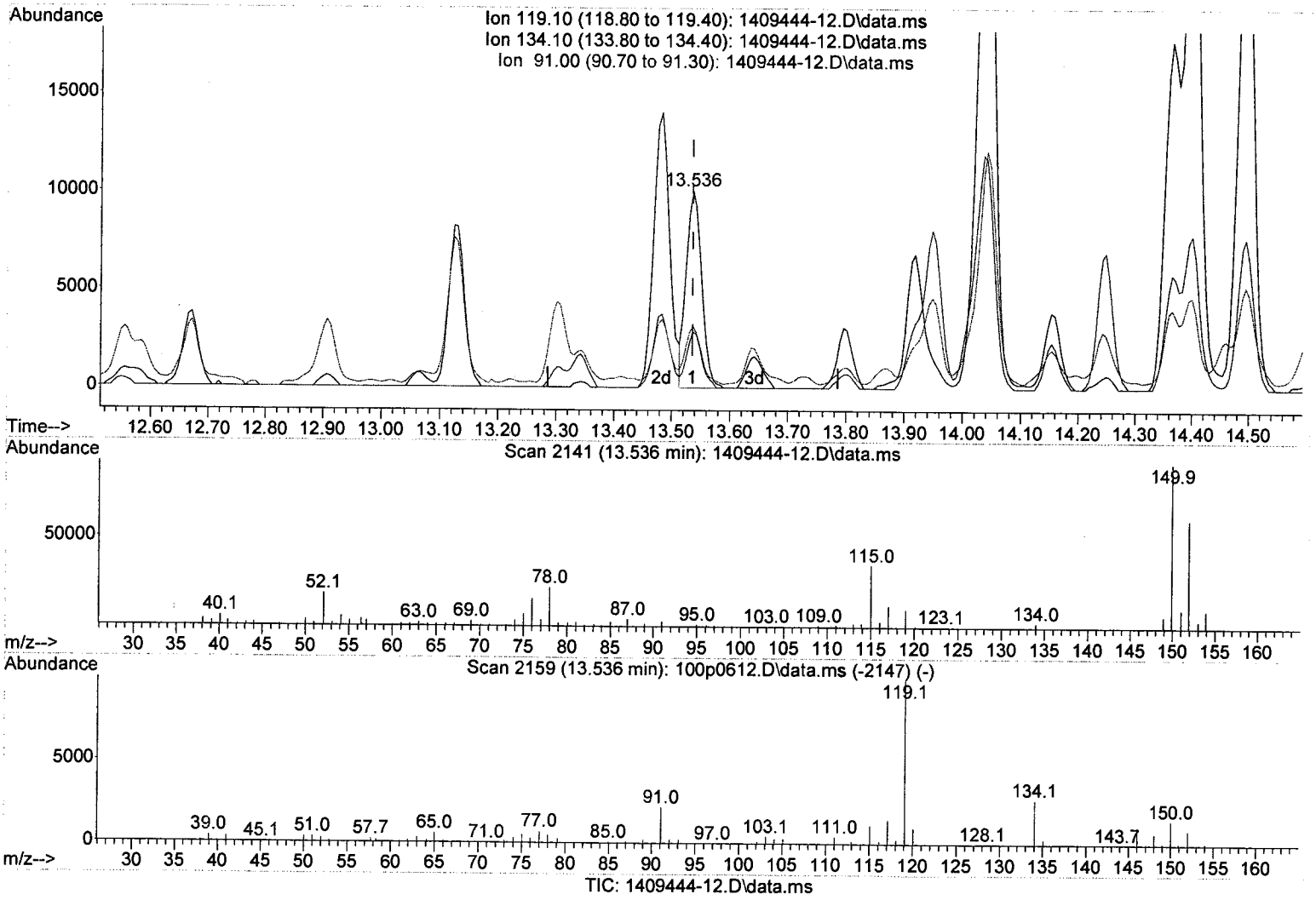
13.342min (-0.000) 0.90 ug/L

response 18026

Ion	Exp%	Act%
105.00	100.00	100.00
134.00	19.30	17.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(79) 4-isopropyltoluene

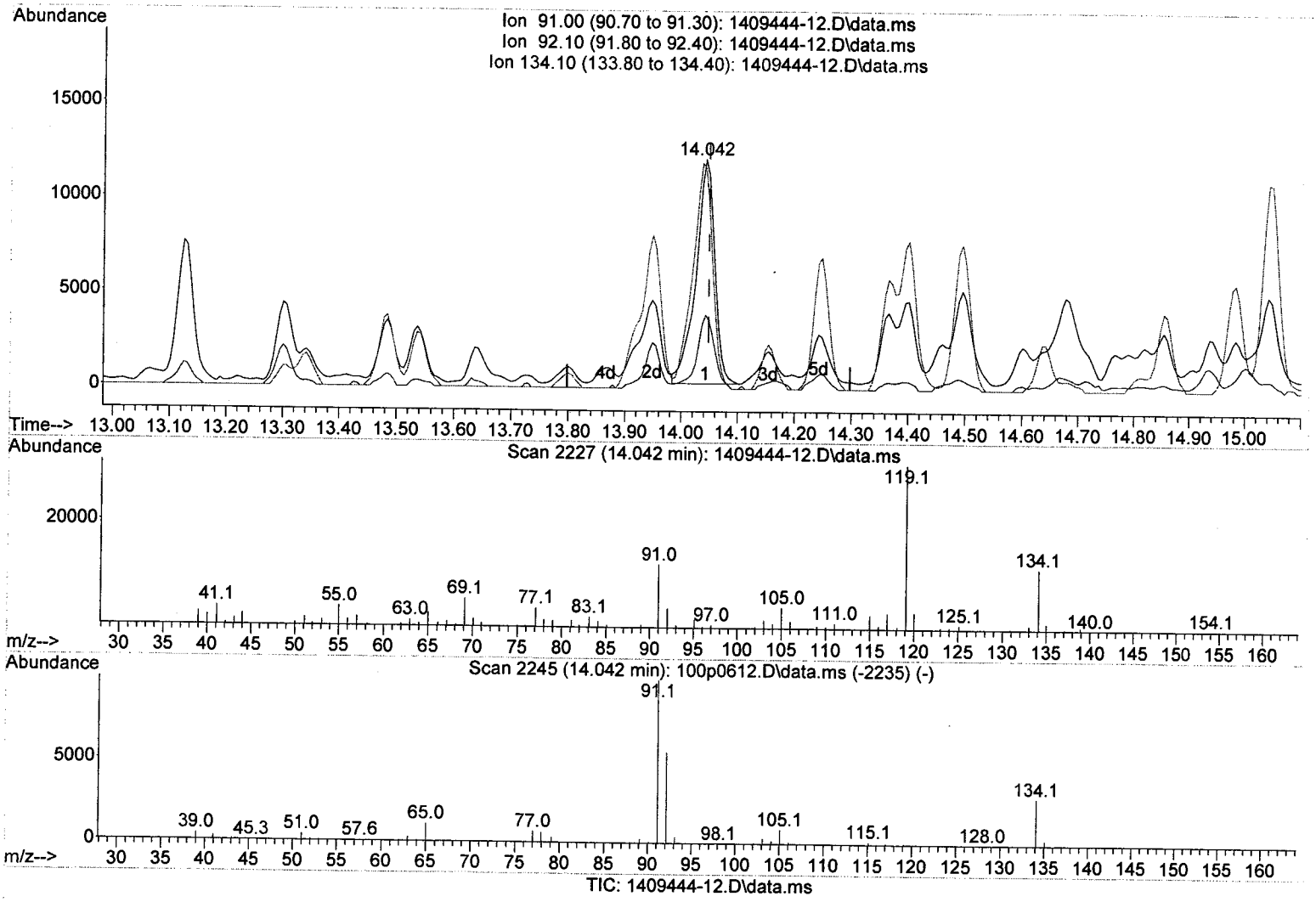
13.536min (+ 0.000) 1.11 ug/L

response 18759

Ion	Exp%	Act%
119.10	100.00	100.00
134.10	25.80	27.87
91.00	23.40	29.80
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-12.D\data.ms

(82) n-butylbenzene

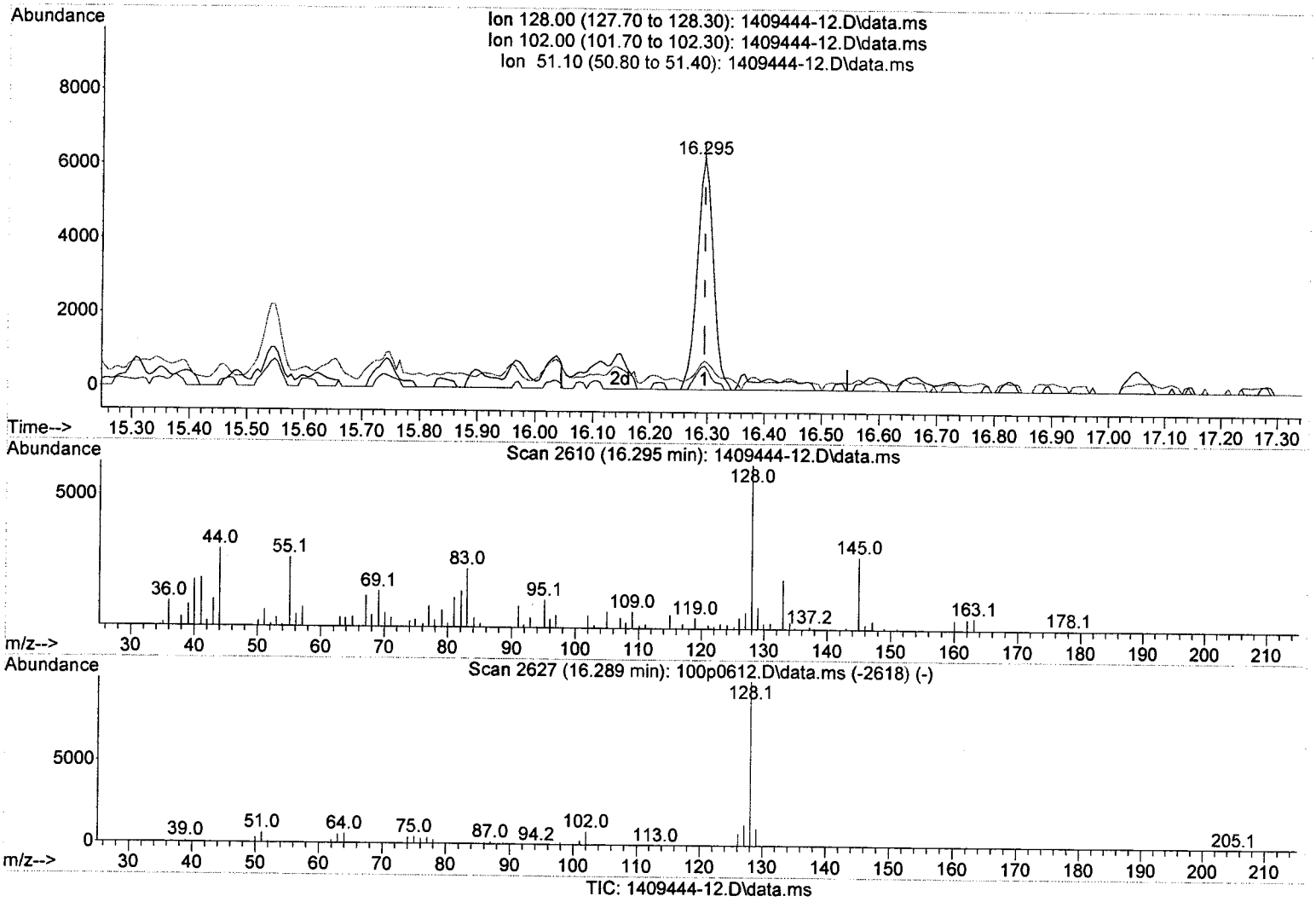
14.042min (-0.006) 1.70 ug/L

response 27409

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	51.70	31.25#
134.10	24.30	106.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409444-12.D
Acq On : 01 Oct 2014 14:23
Operator : DLV
Sample : 1409444-12
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 01 14:43:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409444-12.D\data.ms

(87) naphthalene

16.295min (-0.000) 4.80 ug/L

response 12158

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	0.00
51.10	7.40	19.58
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB01-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-01 File ID: 1409479-01.D

Sampled: 09/25/14 09:00 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 14:47

Solids: 96.08 Preparation: 5035A Low Concentratio Initial/Final: 4.9 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.2	4.4	5.2	5.2	U
71-43-2	Benzene	1	0.52	0.17	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.30	0.24	0.52	1.0	J
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.16	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.27	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.097	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.24	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.24	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.13	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB01-08

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-01
File ID: 1409479-01.D
Sampled: 09/25/14 09:00
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 14:47
Solids: 96.08
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.52	0.19	0.52	1.0	U
87-68-3	Hexachlorobutadiene	1	0.52	0.22	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.49	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	5.2	1.2	5.2	5.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	24	0.18	0.52	1.0	
108-88-3	Toluene	1	0.28	0.10	0.21	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.14	0.12	0.52	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.51	0.15	0.42	2.1	J
95-47-6	Xylene, Ortho	1	0.21	0.12	0.21	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.7	104	78 - 119	
1,2-Dichloroethane-d4	40.0	44.1	110	71 - 136	
Toluene-d8	40.0	38.3	96	85 - 116	
4-Bromofluorobenzene	40.0	38.7	97	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	496964	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB01-08

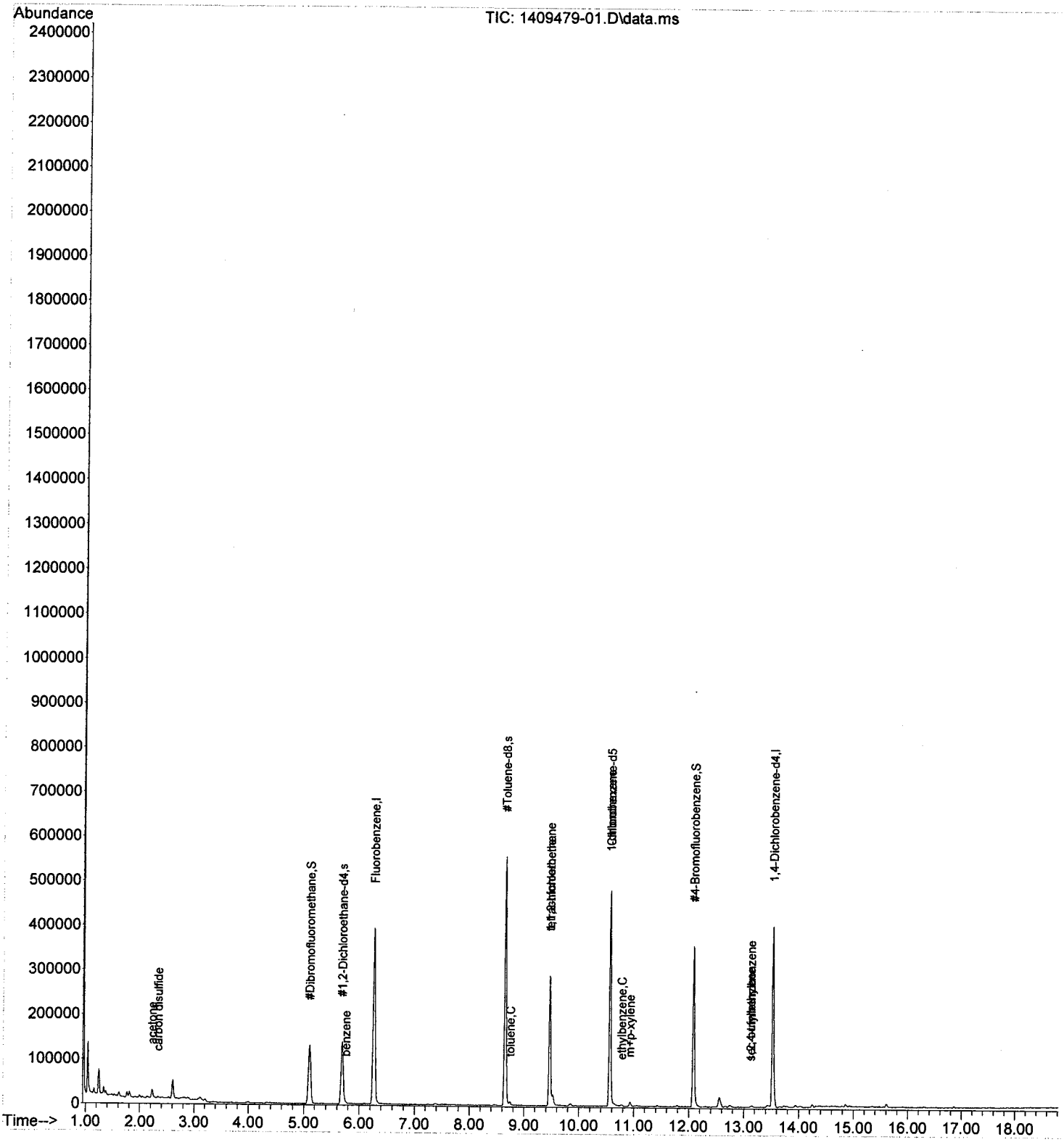
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-01
File ID: 1409479-01.D
Sampled: 09/25/14 09:00
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 14:47
Solids: 96.08
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	327276	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	139632	13.53	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-01.D
Acq On : 01 Oct 2014 14:47
Operator : DLV
Sample : 1409479-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 02 07:00:45 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-01.D
Acq On : 01 Oct 2014 14:47
Operator : DLV
Sample : 1409479-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 02 07:00:45 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.266	96	496964	40.00 ug/L	0.00
50) Chlorobenzene-d5	10.566	117	327276	40.00 ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	139632	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	5.107	111	130212	41.67 ug/L	0.00
Spiked Amount 40.000			Recovery = 104.18%		
37) #1,2-Dichloroethane-d4	5.689	67	78560	44.07 ug/L	0.00
Spiked Amount 40.000			Recovery = 110.18%		
46) #Toluene-d8	8.654	98	461826	38.27 ug/L	0.00
Spiked Amount 40.000			Recovery = 95.68%		
64) #4-Bromofluorobenzene	12.083	95	158649	38.67 ug/L	0.00
Spiked Amount 40.000			Recovery = 96.67%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.	
3) chloromethane	0.000		0	N.D.	
4) vinyl chloride	0.000		0	N.D.	
5) bromomethane	0.000		0	N.D.	
6) chloroethane	0.000		0	N.D.	
7) dichlorofluoromethane	0.000		0	N.D.	
8) trichlorofluoromethane	0.000		0	N.D.	
9) ethyl ether	0.000		0	N.D.	
10) acrolein	0.000		0	N.D.	
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.	
12) 1,1-dichloroethene	0.000		0	N.D.	
13) acetone	2.225	43	26982	2.49 ug/L	95
14) iodomethane	0.000		0	N.D.	
15) carbon disulfide	2.337	76	3195	0.28 ug/L #	74
16) methyl acetate	0.000		0	N.D.	
17) methylene chloride	2.607	49	22389	Below Cal	95
18) acrylonitrile	0.000		0	N.D.	
19) trans-1,2-dichloroethene	0.000		0	N.D.	
20) methyl (tert) butyl ether	0.000		0	N.D.	
21) 1,1-dichloroethane	0.000		0	N.D.	
22) vinyl acetate	0.000		0	N.D.	
23) 2,2-dichloropropane	0.000		0	N.D.	
24) cis-1,2-dichloroethene	0.000		0	N.D.	
25) 2-butanone (MEK)	4.319	43	3572	Below Cal #	50
26) bromochloromethane	0.000		0	N.D.	
27) tetrahydrofuran	0.000		0	N.D.	
28) chloroform	0.000		0	N.D.	
30) 1,1,1-trichloroethane	0.000		0	N.D.	
31) cyclohexane	0.000		0	N.D.	
32) carbon tetrachloride	0.000		0	N.D.	
33) 1,1-dichloropropene	0.000		0	N.D.	
34) benzene	5.760	78	2270	0.13 ug/L #	65
35) 1,2-dichloroethane	0.000		0	N.D.	
36) heptane	0.000		0	N.D.	
38) trichloroethene	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

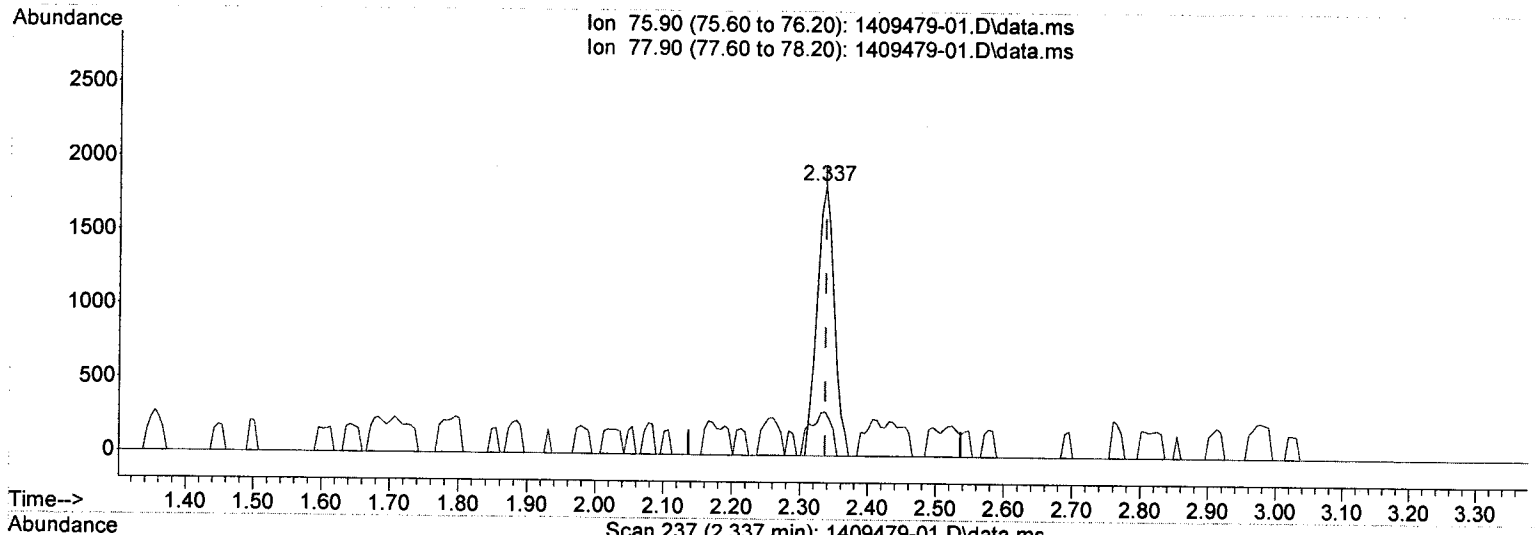
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-01.D
Acq On : 01 Oct 2014 14:47
Operator : DLV
Sample : 1409479-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 02 07:00:45 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

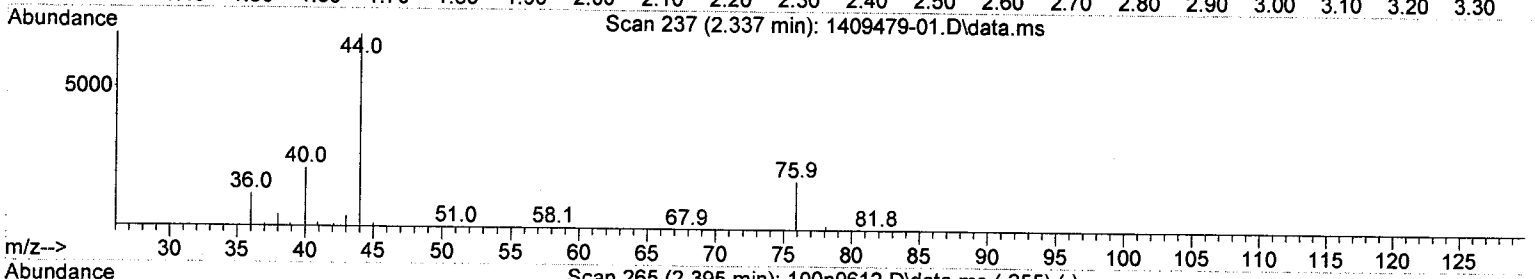
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.748	91	4679	0.26 ug/L	95
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	9.466	83	2255	~~1.61~~ ug/L #	4
51) tetrachloroethene	9.466	166	101630	22.77 ug/L	100
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2436	0.57 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.777	91	2358	0.12 ug/L #	44
60) m+p-xylene	10.930	106	3411	0.48 ug/L	91
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.130	105	1673	0.13 ug/L #	32
77) sec-butylbenzene	13.130	105	1673	0.10 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

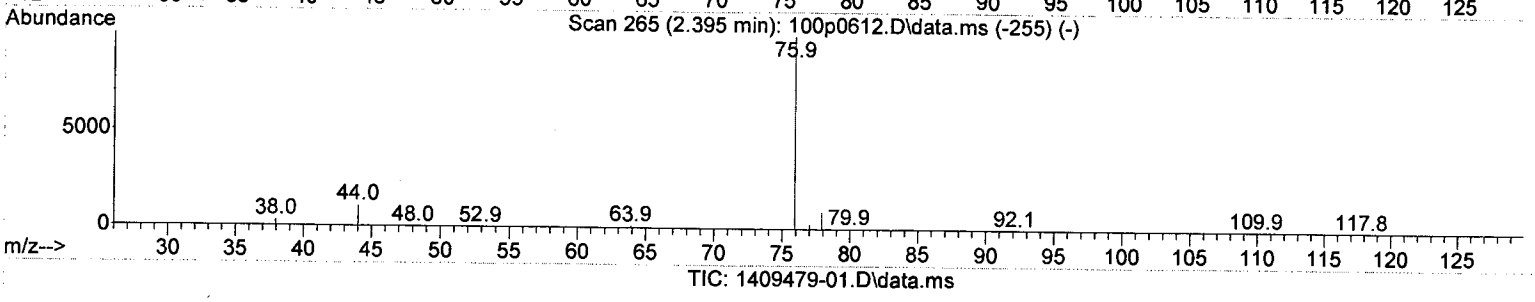
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-01.D
Acq On : 01 Oct 2014 14:47
Operator : DLV
Sample : 1409479-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 02 07:00:45 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-01.D\data.ms

(15) carbon disulfide

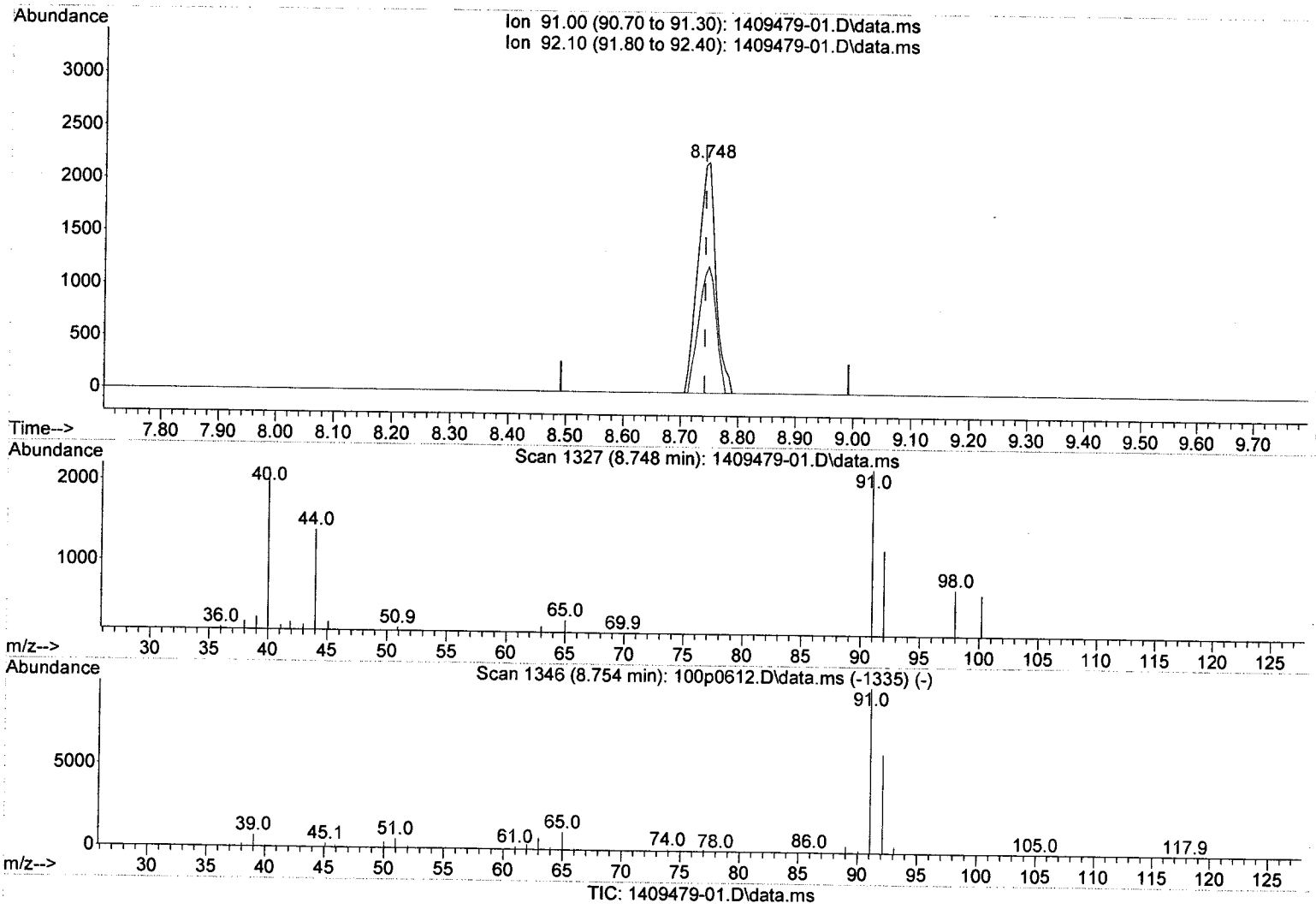
2.337min (-0.000) 0.28 ug/L

response 3195

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-01.D
Acq On : 01 Oct 2014 14:47
Operator : DLV
Sample : 1409479-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 02 07:00:45 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(47) toluene (C)

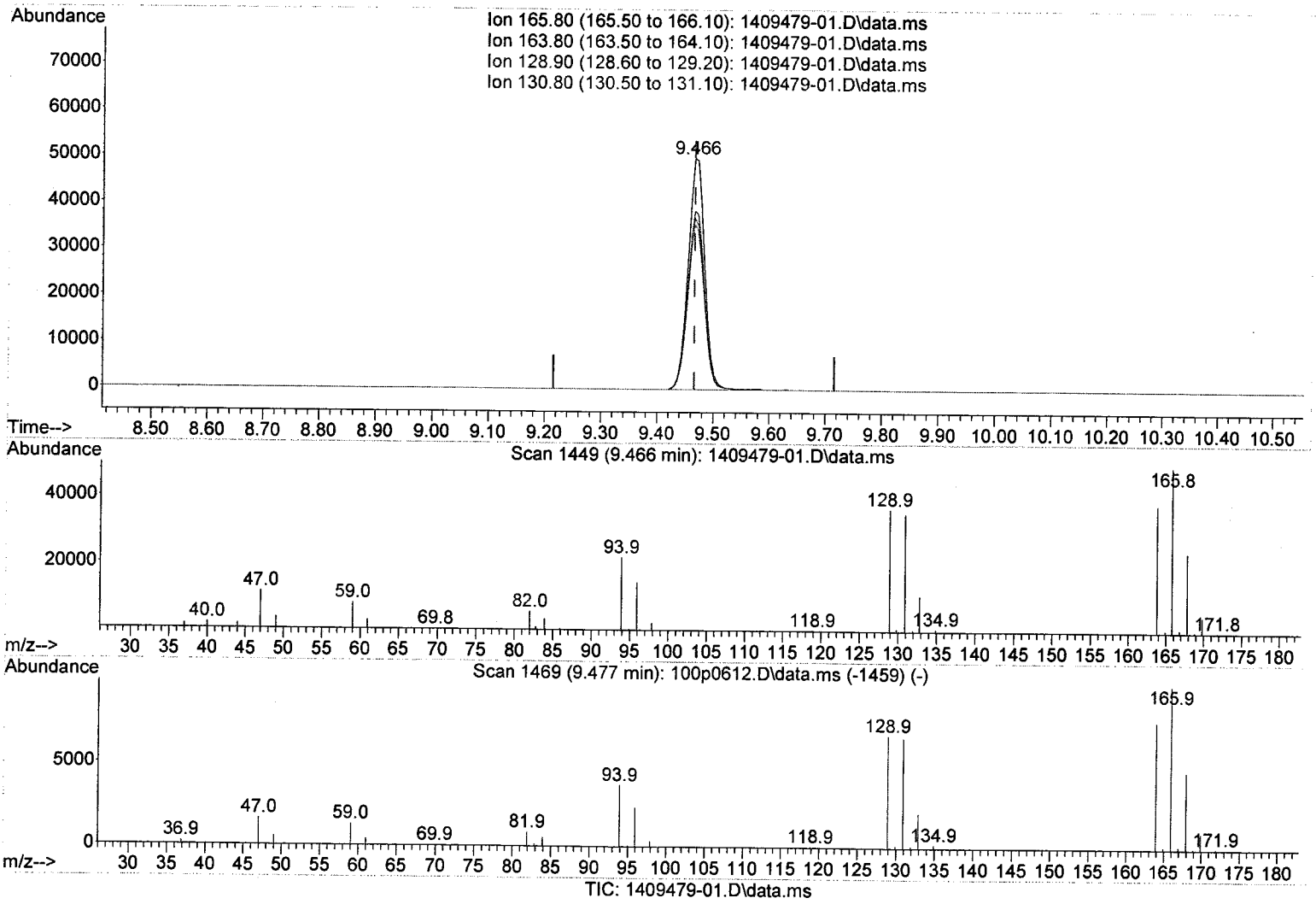
8.748min (+ 0.006) 0.26 ug/L

response 4679

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	53.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-01.D
Acq On : 01 Oct 2014 14:47
Operator : DLV
Sample : 1409479-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 02 07:00:45 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-01.D\data.ms

(51) tetrachloroethene

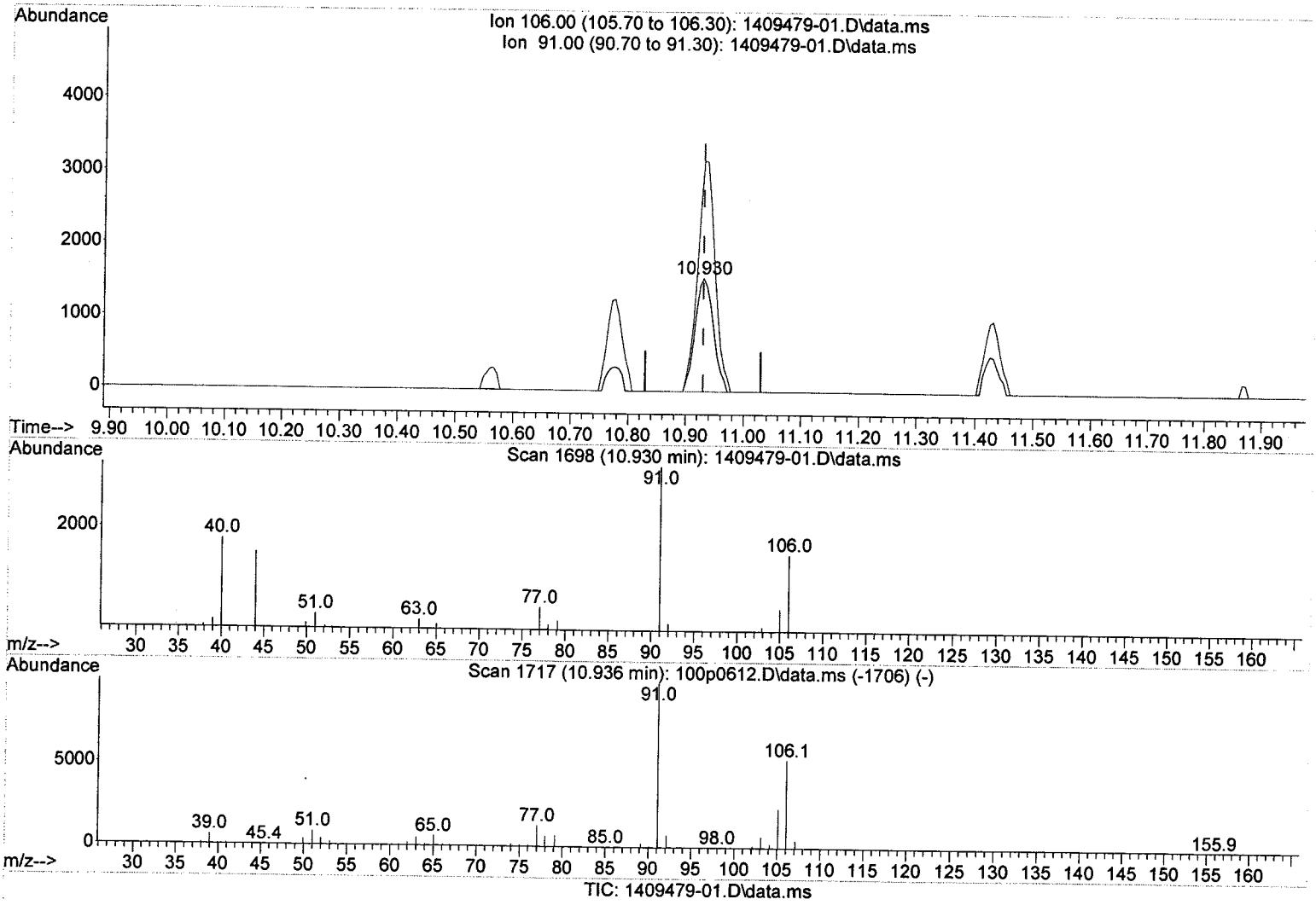
9.466min (-0.000) 22.77 ug/L

response 101630

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	79.10	78.91
128.90	74.40	74.92
130.80	71.60	71.59

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-01.D
Acq On : 01 Oct 2014 14:47
Operator : DLV
Sample : 1409479-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 02 07:00:45 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(60) m+p-xylene

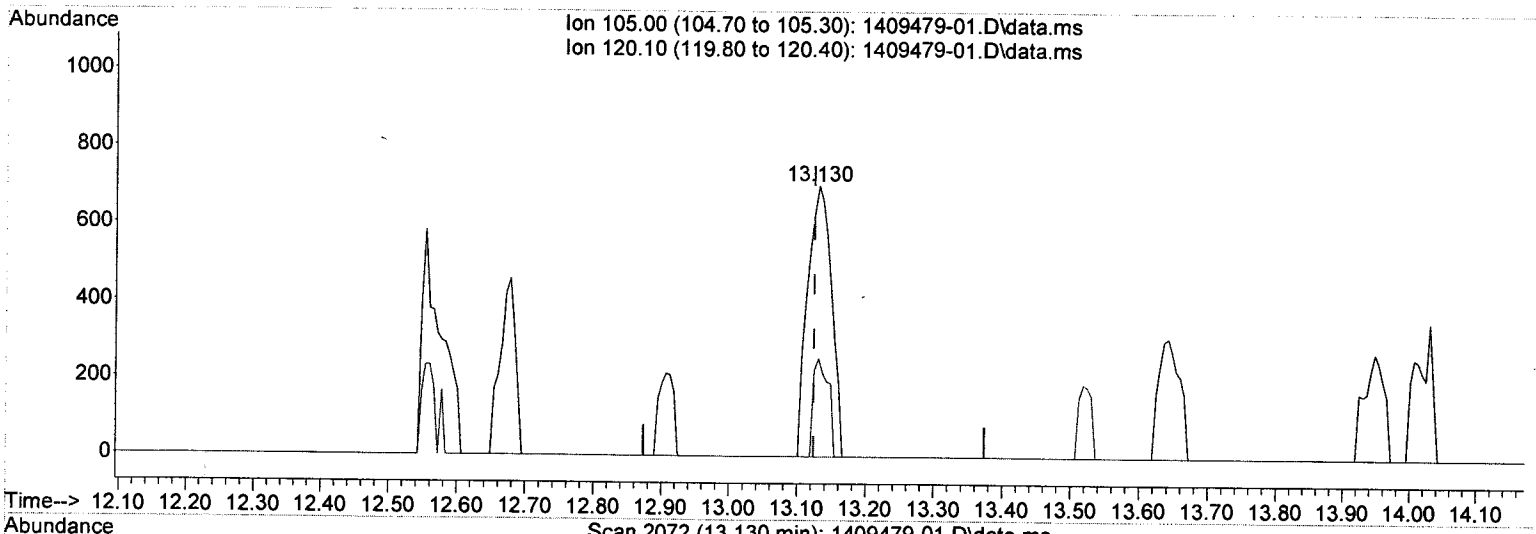
10.930min (+ 0.000) 0.48 ug/L

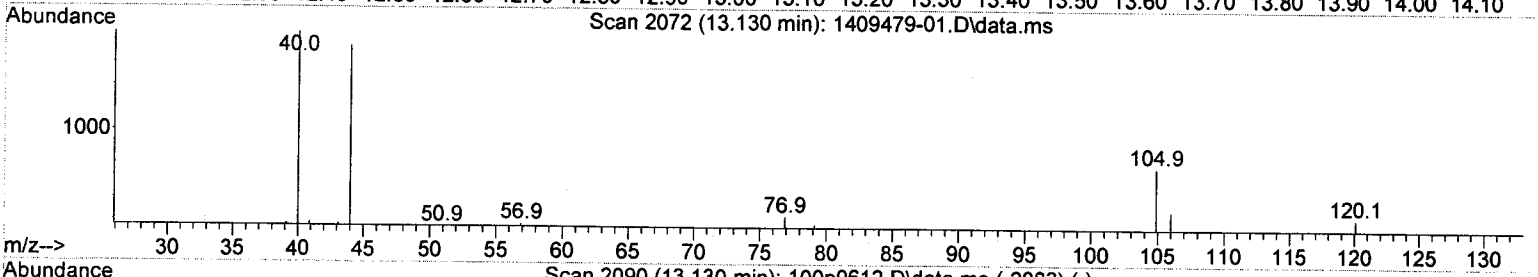
response 3411

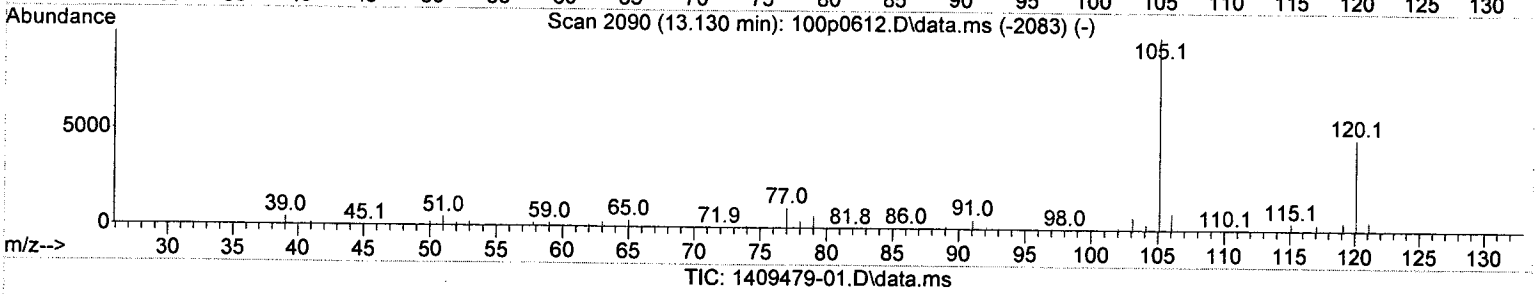
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	193.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-01.D
Acq On : 01 Oct 2014 14:47
Operator : DLV
Sample : 1409479-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 02 07:00:45 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-01.D\data.ms

(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.13 ug/L

response 1673

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB01-32

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-02 File ID: 1409479-02.D

Sampled: 09/25/14 09:20 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 15:10

Solids: 96.96 Preparation: 5035A Low Concentratio Initial/Final: 4.5 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.7	4.8	5.7	5.7	U
71-43-2	Benzene	1	0.57	0.18	0.57	1.1	U
108-86-1	Bromobenzene	1	0.57	0.15	0.57	1.1	U
74-97-5	Bromochloromethane	1	0.57	0.17	0.57	1.1	U
75-27-4	Bromodichloromethane	1	0.57	0.20	0.57	1.1	U
75-25-2	Bromoform	1	0.57	0.41	0.57	1.1	U
74-83-9	Bromomethane	1	0.57	0.38	0.57	1.1	U
104-51-8	n-Butylbenzene	1	0.57	0.30	0.57	1.1	U
135-98-8	sec-Butylbenzene	1	0.57	0.24	0.57	1.1	U
98-06-6	tert-Butylbenzene	1	0.57	0.19	0.57	1.1	U
75-15-0	Carbon Disulfide	1	0.32	0.26	0.57	1.1	J
56-23-5	Carbon Tetrachloride	1	0.57	0.37	0.57	1.1	U
108-90-7	Chlorobenzene	1	0.57	0.17	0.57	1.1	U
75-00-3	Chloroethane	1	1.1	0.58	1.1	1.1	U
67-66-3	Chloroform	1	0.57	0.16	0.57	1.1	U
74-87-3	Chloromethane	1	0.57	0.29	0.57	1.1	U
95-49-8	2-Chlorotoluene	1	0.57	0.33	0.57	1.1	U
106-43-4	4-Chlorotoluene	1	0.23	0.23	0.23	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.68	1.1	5.7	U
124-48-1	Dibromochloromethane	1	0.57	0.21	0.57	1.1	U
106-93-4	1,2-Dibromoethane	1	0.57	0.17	0.57	1.1	U
74-95-3	Dibromomethane	1	0.57	0.26	0.57	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.23	0.11	0.23	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.57	0.17	0.57	1.1	U
75-34-3	1,1-Dichloroethane	1	0.57	0.24	0.57	1.1	U
107-06-2	1,2-Dichloroethane	1	0.57	0.26	0.57	1.1	U
75-35-4	1,1-Dichloroethene	1	0.57	0.35	0.57	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.57	0.26	0.57	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.57	0.31	0.57	1.1	U
78-87-5	1,2-Dichloropropane	1	0.57	0.19	0.57	1.1	U
142-28-9	1,3-Dichloropropane	1	0.57	0.16	0.57	1.1	U
594-20-7	2,2-Dichloropropane	1	0.57	0.26	0.57	1.1	U
563-58-6	1,1-Dichloropropene	1	0.57	0.32	0.57	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.23	0.13	0.23	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.57	0.14	0.57	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB01-32

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-02
File ID: 1409479-02.D
Sampled: 09/25/14 09:20
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 15:10
Solids: 96.96
Preparation: 5035A Low Concentratio
Initial/Final: 4.5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.57	0.21	0.57	1.1	U
87-68-3	Hexachlorobutadiene	1	0.57	0.24	0.57	1.1	U
591-78-6	2-Hexanone	1	0.57	0.55	0.57	5.7	U
98-82-8	Isopropylbenzene	1	0.23	0.13	0.23	1.1	U
99-87-6	4-Isopropyltoluene	1	0.57	0.28	0.57	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.54	1.1	5.7	U
78-93-3	2-Butanone (MEK)	1	5.7	1.3	5.7	5.7	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.57	0.44	0.57	5.7	U
91-20-3	Naphthalene	1	0.57	0.18	0.57	5.7	U
103-65-1	n-Propylbenzene	1	0.57	0.13	0.57	1.1	U
100-42-5	Styrene	1	0.23	0.23	0.23	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.57	0.17	0.57	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.57	0.17	0.57	1.1	U
127-18-4	Tetrachloroethene	1	0.64	0.20	0.57	1.1	J
108-88-3	Toluene	1	0.21	0.11	0.23	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.57	0.33	0.57	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.57	0.19	0.57	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.57	0.16	0.57	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.57	0.25	0.57	1.1	U
79-01-6	Trichloroethene	1	0.57	0.28	0.57	1.1	U
75-69-4	Trichlorofluoromethane	1	0.57	0.20	0.57	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.57	0.26	0.57	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.14	0.13	0.57	1.1	J
108-67-8	1,3,5-Trimethylbenzene	1	0.57	0.22	0.57	1.1	U
75-01-4	Vinyl Chloride	1	0.57	0.23	0.57	1.1	U
179601-23-1	Xylene, Meta + Para	1	0.44	0.16	0.46	2.3	J
95-47-6	Xylene, Ortho	1	0.23	0.13	0.23	1.1	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.0	103	78 - 119	
1,2-Dichloroethane-d4	40.0	42.3	106	71 - 136	
Toluene-d8	40.0	39.4	98	85 - 116	
4-Bromofluorobenzene	40.0	40.0	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	495610	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB01-32

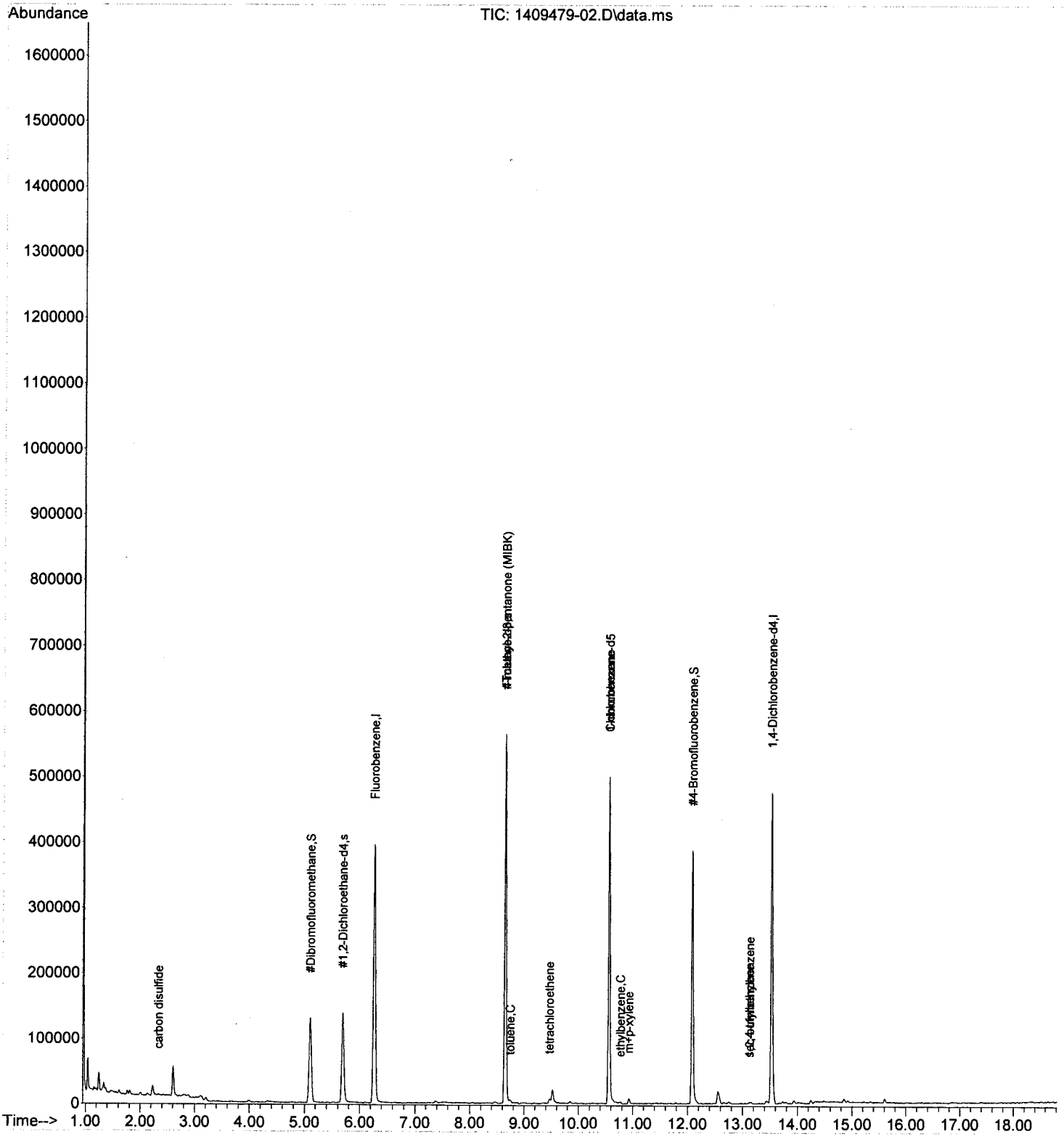
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-02
File ID: 1409479-02.D
Sampled: 09/25/14 09:20
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 15:10
Solids: 96.96
Preparation: 5035A Low Concentratio
Initial/Final: 4.5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	340619	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	164163	13.525	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-02.D
Acq On : 01 Oct 2014 15:10
Operator : DLV
Sample : 1409479-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 02 07:00:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000765

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-02.D
Acq On : 01 Oct 2014 15:10
Operator : DLV
Sample : 1409479-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 02 07:00:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	495610	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	340619	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	164163	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	127899	41.04	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.60%				
37) #1,2-Dichloroethane-d4	5.690	67	75256	42.33	ug/L		0.00
Spiked Amount 40.000			Recovery = 105.82%				
46) #Toluene-d8	8.654	98	473579	39.35	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.38%				
64) #4-Bromofluorobenzene	12.083	95	170947	40.03	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.08%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	23329	Below Cal			98
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	3194	0.28	ug/L	#	74
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	26335	Below Cal			100
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	3571	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

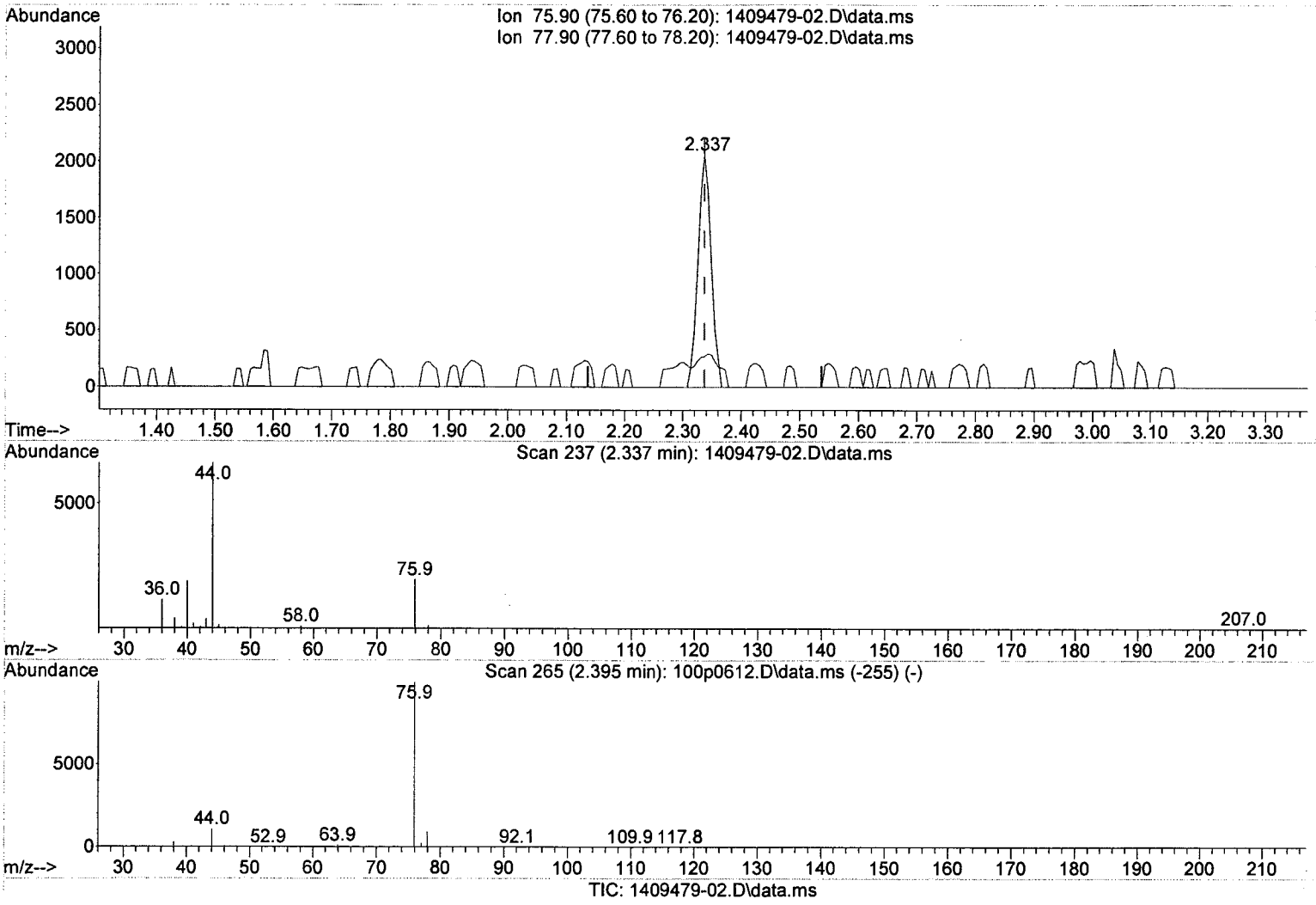
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-02.D
Acq On : 01 Oct 2014 15:10
Operator : DLV
Sample : 1409479-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 02 07:00:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	8.654	43	1788	0.47 ug/L #	1
47) toluene	8.742	91	3207	0.18 ug/L #	22
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	9.466	166	2600	0.56 ug/L	94
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.566	55	2970	0.66 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	1982	0.10 ug/L #	44
60) m+p-xylene	10.931	106	2826	0.38 ug/L	88
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.130	105	1797	0.12 ug/L #	32
77) sec-butylbenzene	13.130	105	1639	0.08 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-02.D
Acq On : 01 Oct 2014 15:10
Operator : DLV
Sample : 1409479-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 02 07:00:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-02.D\data.ms

(15) carbon disulfide

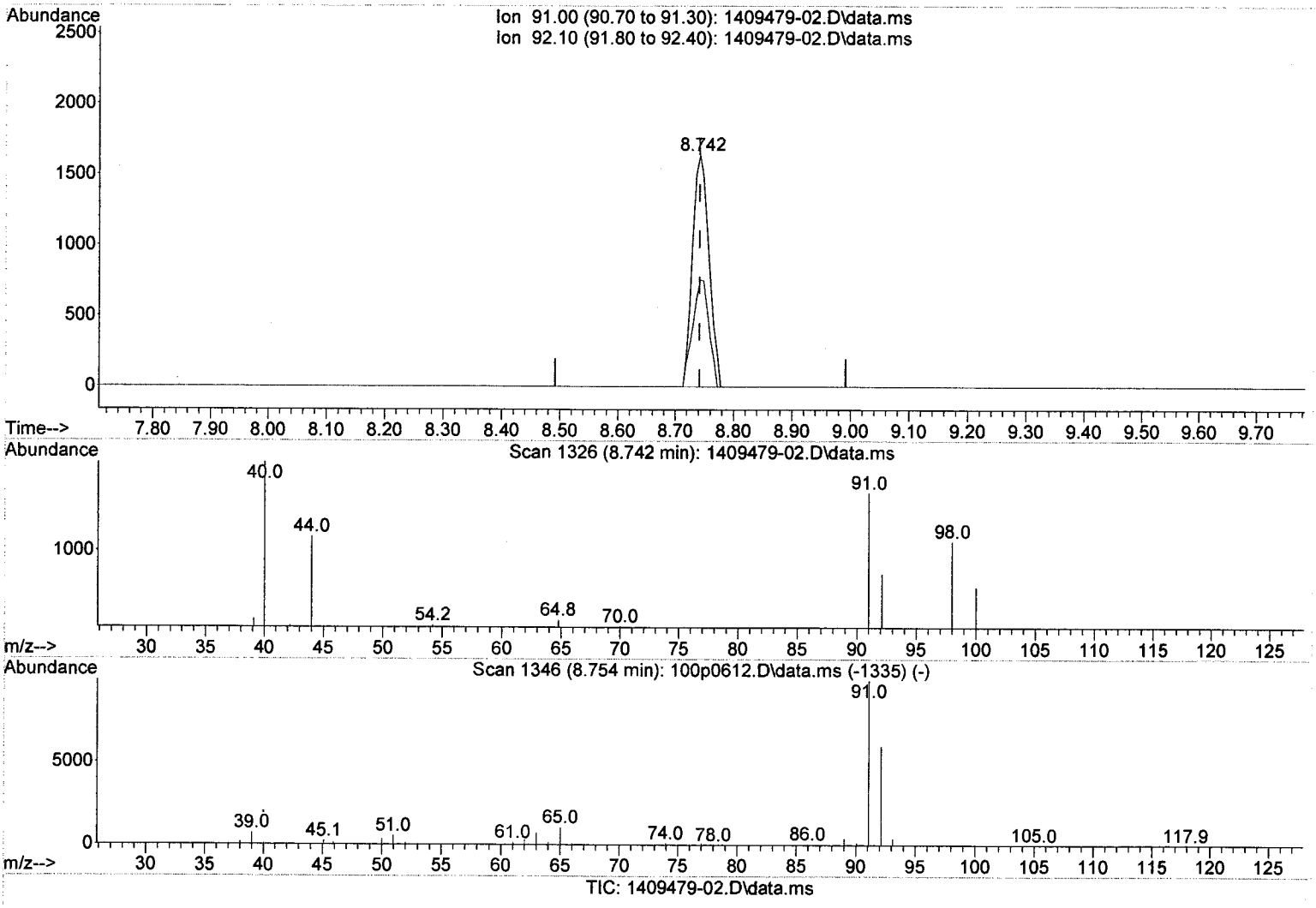
2.337min (-0.000) 0.28 ug/L

response 3194

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-02.D
Acq On : 01 Oct 2014 15:10
Operator : DLV
Sample : 1409479-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 02 07:00:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-02.D\data.ms

(47) toluene (C)

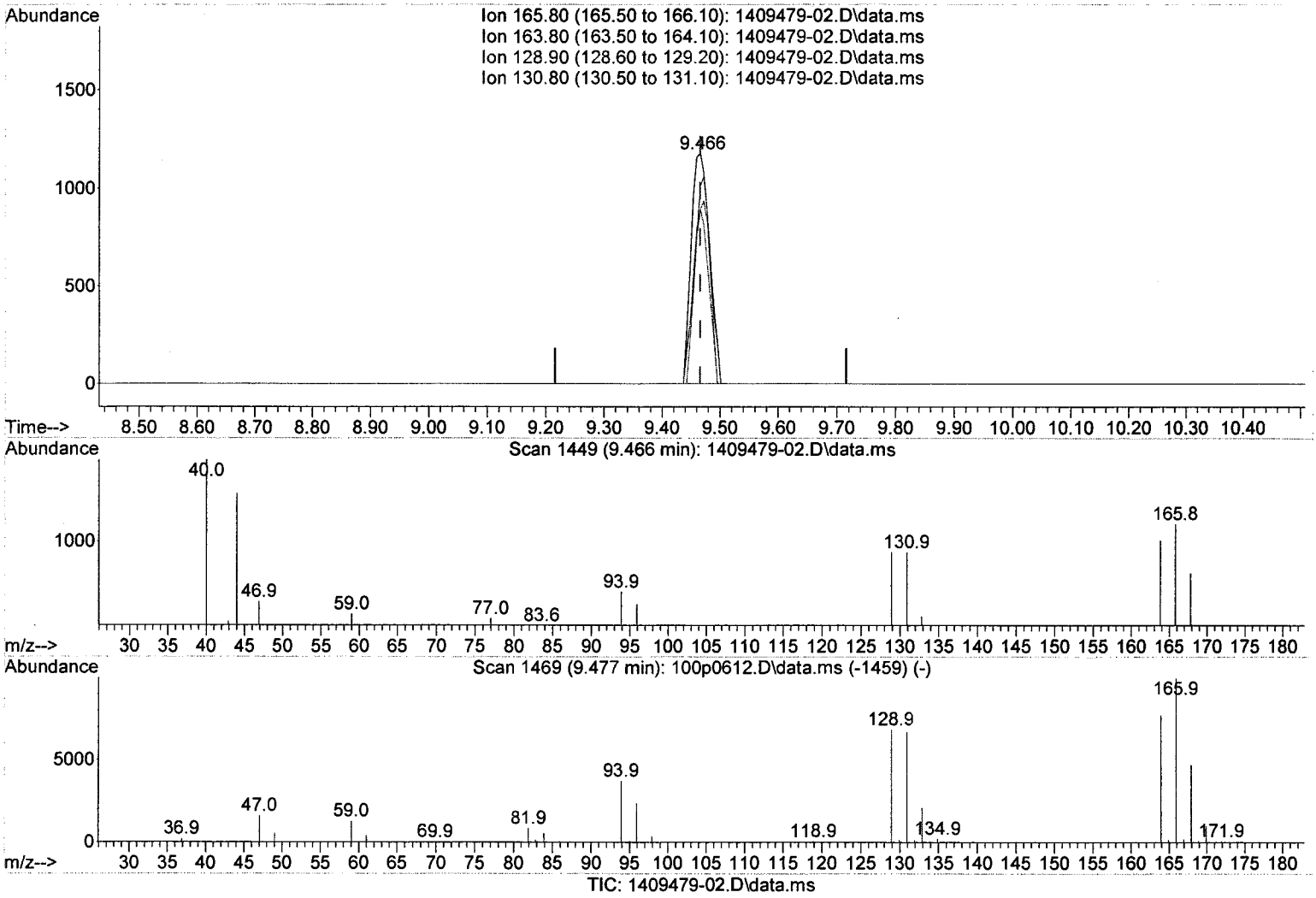
8.742min (+ 0.000) 0.18 ug/L

response 3207

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-02.D
Acq On : 01 Oct 2014 15:10
Operator : DLV
Sample : 1409479-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 02 07:00:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-02.D\data.ms

(51) tetrachloroethene

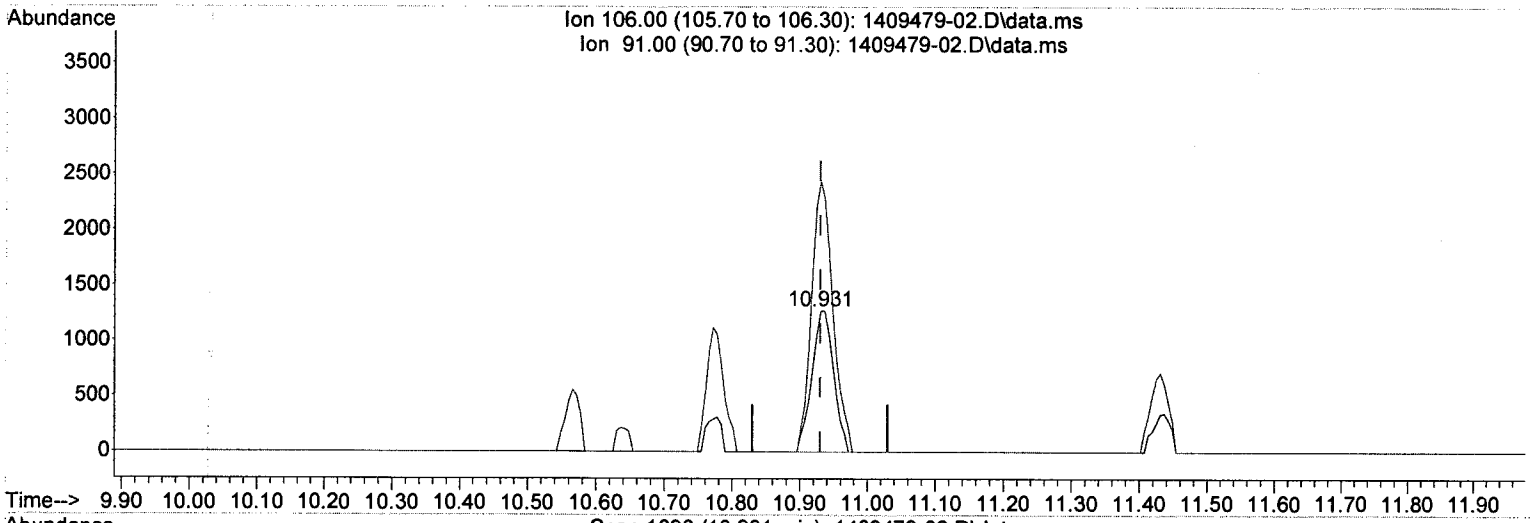
9.466min (-0.000) 0.56 ug/L

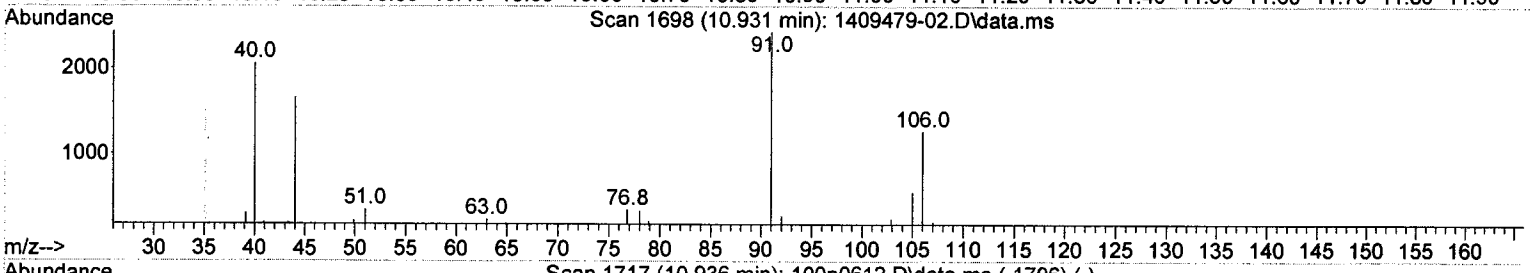
response 2600

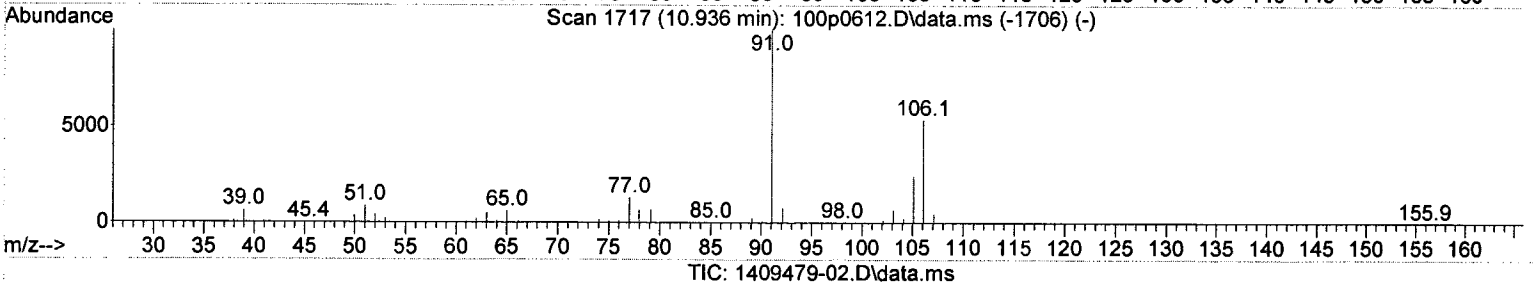
Ion	Exp%	Act%
165.80	100.00	100.00
163.80	79.10	79.50
128.90	74.40	65.19
130.80	71.60	66.92

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-02.D
Acq On : 01 Oct 2014 15:10
Operator : DLV
Sample : 1409479-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 02 07:00:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-02.D\data.ms

(60) m+p-xylene

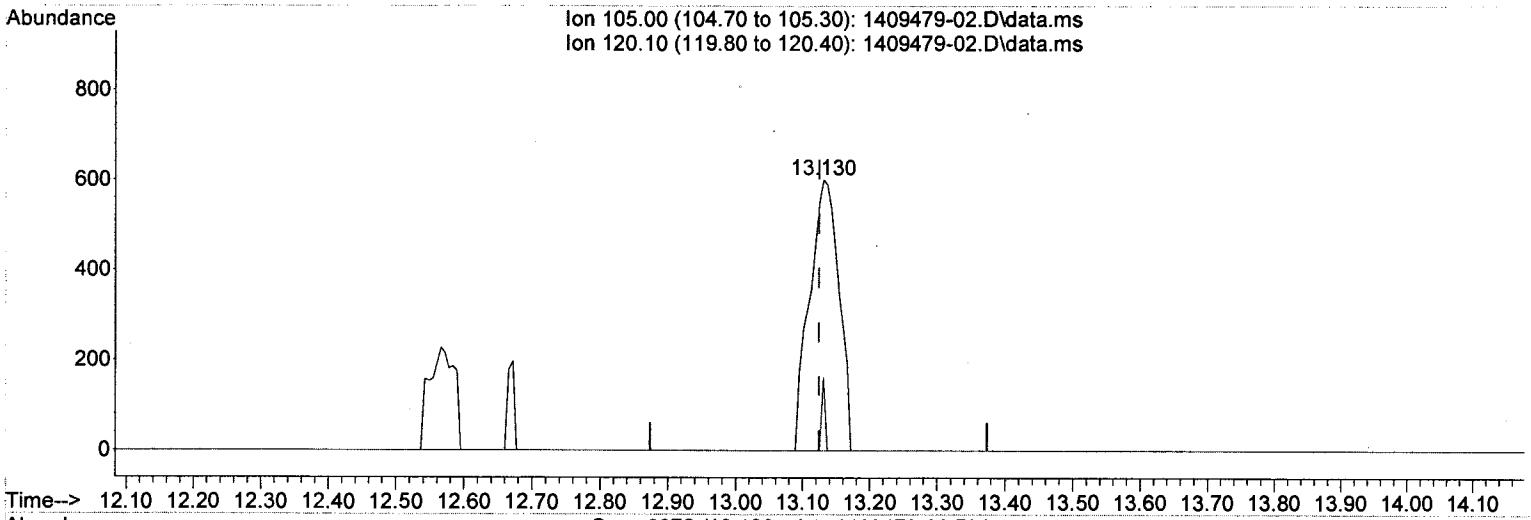
10.931min (+ 0.001) 0.38 ug/L

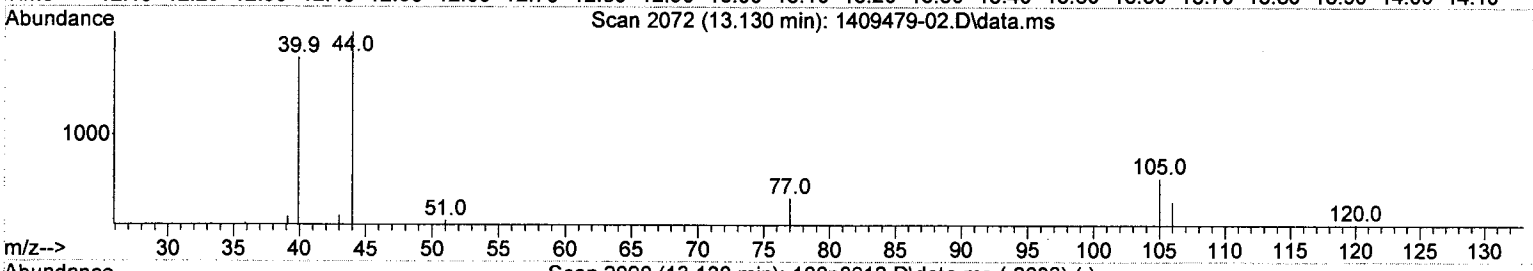
response 2826

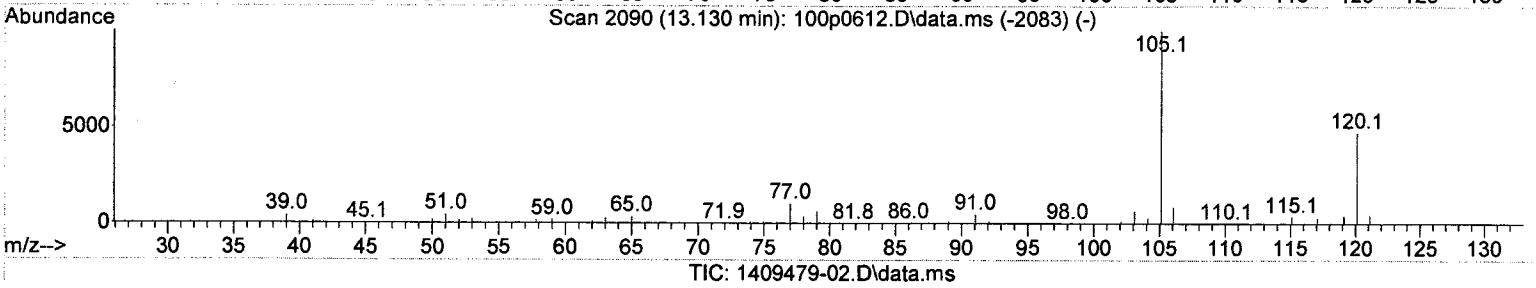
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	188.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-02.D
Acq On : 01 Oct 2014 15:10
Operator : DLV
Sample : 1409479-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 02 07:00:48 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.12 ug/L

response 1797

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB02-14

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-03 File ID: 1409479-03.D

Sampled: 09/25/14 09:45 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 15:34

Solids: 95.28 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	6.8	4.7	5.6	5.6	
71-43-2	Benzene	1	0.56	0.18	0.56	1.1	U
108-86-1	Bromobenzene	1	0.56	0.15	0.56	1.1	U
74-97-5	Bromochloromethane	1	0.56	0.16	0.56	1.1	U
75-27-4	Bromodichloromethane	1	0.56	0.19	0.56	1.1	U
75-25-2	Bromoform	1	0.56	0.40	0.56	1.1	U
74-83-9	Bromomethane	1	0.56	0.37	0.56	1.1	U
104-51-8	n-Butylbenzene	1	0.56	0.29	0.56	1.1	U
135-98-8	sec-Butylbenzene	1	0.56	0.24	0.56	1.1	U
98-06-6	tert-Butylbenzene	1	0.56	0.19	0.56	1.1	U
75-15-0	Carbon Disulfide	1	0.56	0.26	0.56	1.1	U
56-23-5	Carbon Tetrachloride	1	0.56	0.36	0.56	1.1	U
108-90-7	Chlorobenzene	1	0.56	0.17	0.56	1.1	U
75-00-3	Chloroethane	1	1.1	0.56	1.1	1.1	U
67-66-3	Chloroform	1	0.56	0.16	0.56	1.1	U
74-87-3	Chloromethane	1	0.56	0.28	0.56	1.1	U
95-49-8	2-Chlorotoluene	1	0.56	0.33	0.56	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.66	1.1	5.6	U
124-48-1	Dibromochloromethane	1	0.56	0.21	0.56	1.1	U
106-93-4	1,2-Dibromoethane	1	0.56	0.17	0.56	1.1	U
74-95-3	Dibromomethane	1	0.56	0.25	0.56	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.56	0.16	0.56	1.1	U
75-34-3	1,1-Dichloroethane	1	0.56	0.23	0.56	1.1	U
107-06-2	1,2-Dichloroethane	1	0.56	0.25	0.56	1.1	U
75-35-4	1,1-Dichloroethene	1	0.56	0.34	0.56	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.56	0.25	0.56	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.56	0.30	0.56	1.1	U
78-87-5	1,2-Dichloropropane	1	0.56	0.19	0.56	1.1	U
142-28-9	1,3-Dichloropropane	1	0.56	0.16	0.56	1.1	U
594-20-7	2,2-Dichloropropane	1	0.56	0.26	0.56	1.1	U
563-58-6	1,1-Dichloropropene	1	0.56	0.31	0.56	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.13	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.56	0.14	0.56	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB02-14

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-03 File ID: 1409479-03.D

Sampled: 09/25/14 09:45 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 15:34

Solids: 95.28 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.56	0.21	0.56	1.1	U
87-68-3	Hexachlorobutadiene	1	0.56	0.23	0.56	1.1	U
591-78-6	2-Hexanone	1	0.56	0.54	0.56	5.6	U
98-82-8	Isopropylbenzene	1	0.22	0.13	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.56	0.27	0.56	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.52	1.1	5.6	U
78-93-3	2-Butanone (MEK)	1	5.6	1.2	5.6	5.6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.56	0.43	0.56	5.6	U
91-20-3	Naphthalene	1	0.56	0.18	0.56	5.6	U
103-65-1	n-Propylbenzene	1	0.56	0.13	0.56	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.56	0.17	0.56	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.56	0.16	0.56	1.1	U
127-18-4	Tetrachloroethene	1	1.4	0.19	0.56	1.1	
108-88-3	Toluene	1	0.39	0.11	0.22	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.56	0.32	0.56	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.56	0.19	0.56	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.56	0.16	0.56	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.56	0.24	0.56	1.1	U
79-01-6	Trichloroethene	1	0.56	0.27	0.56	1.1	U
75-69-4	Trichlorofluoromethane	1	0.56	0.19	0.56	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.56	0.25	0.56	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.56	0.13	0.56	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.56	0.22	0.56	1.1	U
75-01-4	Vinyl Chloride	1	0.56	0.22	0.56	1.1	U
179601-23-1	Xylene, Meta + Para	1	0.45	0.16	0.45	2.2	U
95-47-6	Xylene, Ortho	1	0.22	0.12	0.22	1.1	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	43.8	109	78 - 119	
1,2-Dichloroethane-d4	40.0	44.5	111	71 - 136	
Toluene-d8	40.0	38.2	95	85 - 116	
4-Bromofluorobenzene	40.0	33.9	85	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	455590	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB02-14

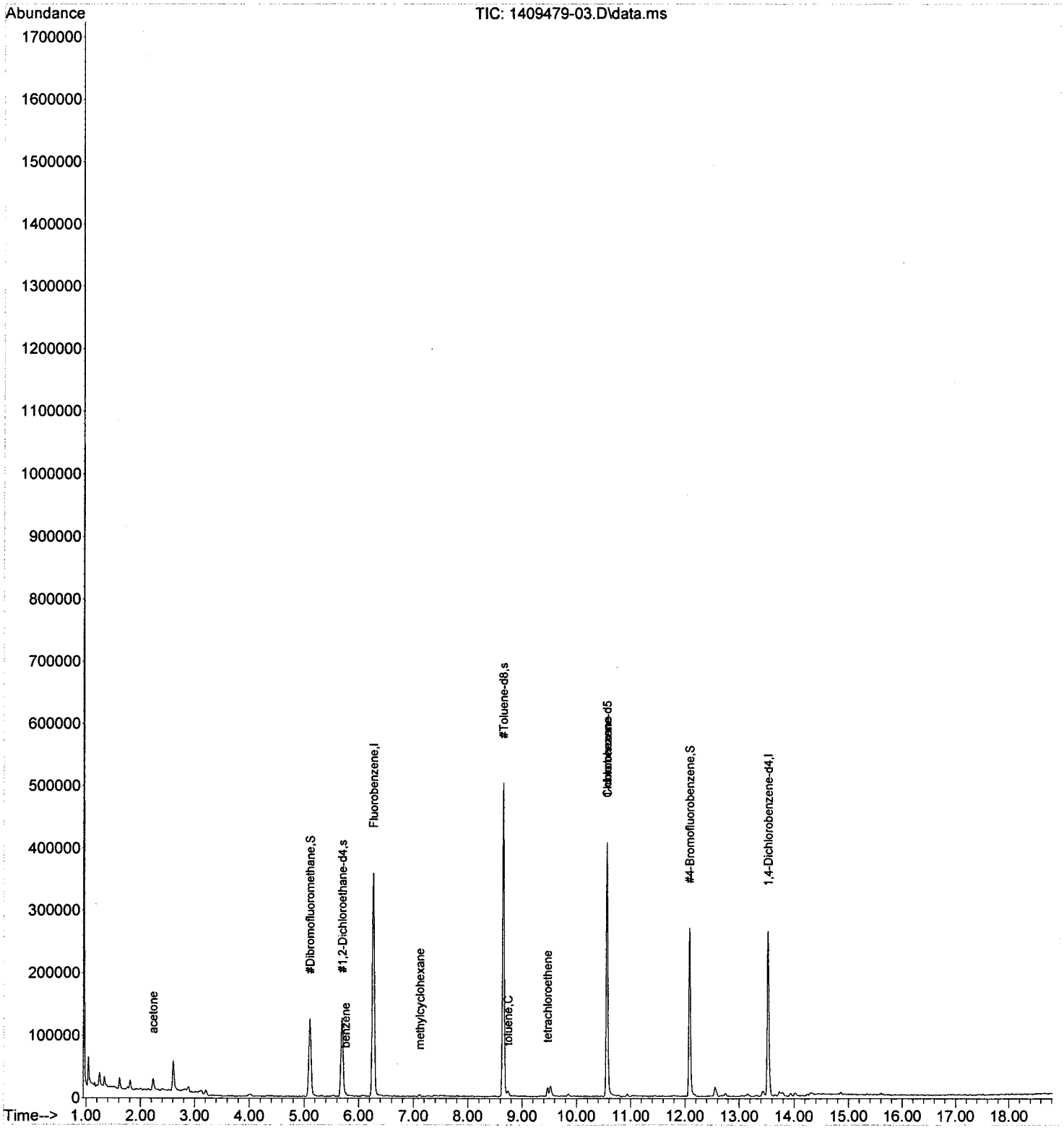
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-03
File ID: 1409479-03.D
Sampled: 09/25/14 09:45
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 15:34
Solids: 95.28
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	280819	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	94037	13.53	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-03.D
Acq On : 01 Oct 2014 15:34
Operator : DLV
Sample : 1409479-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 02 07:00:51 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-03.D
Acq On : 01 Oct 2014 15:34
Operator : DLV
Sample : 1409479-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 02 07:00:51 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	455590	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	280819	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	94037	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	125407	43.77	ug/L		0.00
Spiked Amount 40.000			Recovery = 109.43%				
37) #1,2-Dichloroethane-d4	5.696	67	72774	44.53	ug/L		0.00
Spiked Amount 40.000			Recovery = 111.33%				
46) #Toluene-d8	8.654	98	422407	38.18	ug/L		0.00
Spiked Amount 40.000			Recovery = 95.45%				
64) #4-Bromofluorobenzene	12.083	95	119270	33.88	ug/L		0.00
Spiked Amount 40.000			Recovery = 84.70%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	28882	6.08	ug/L		97
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	25700	Below Cal			98
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	3125	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.760	78	2177	0.14	ug/L	#	65
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-03.D
Acq On : 01 Oct 2014 15:34
Operator : DLV
Sample : 1409479-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 02 07:00:51 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

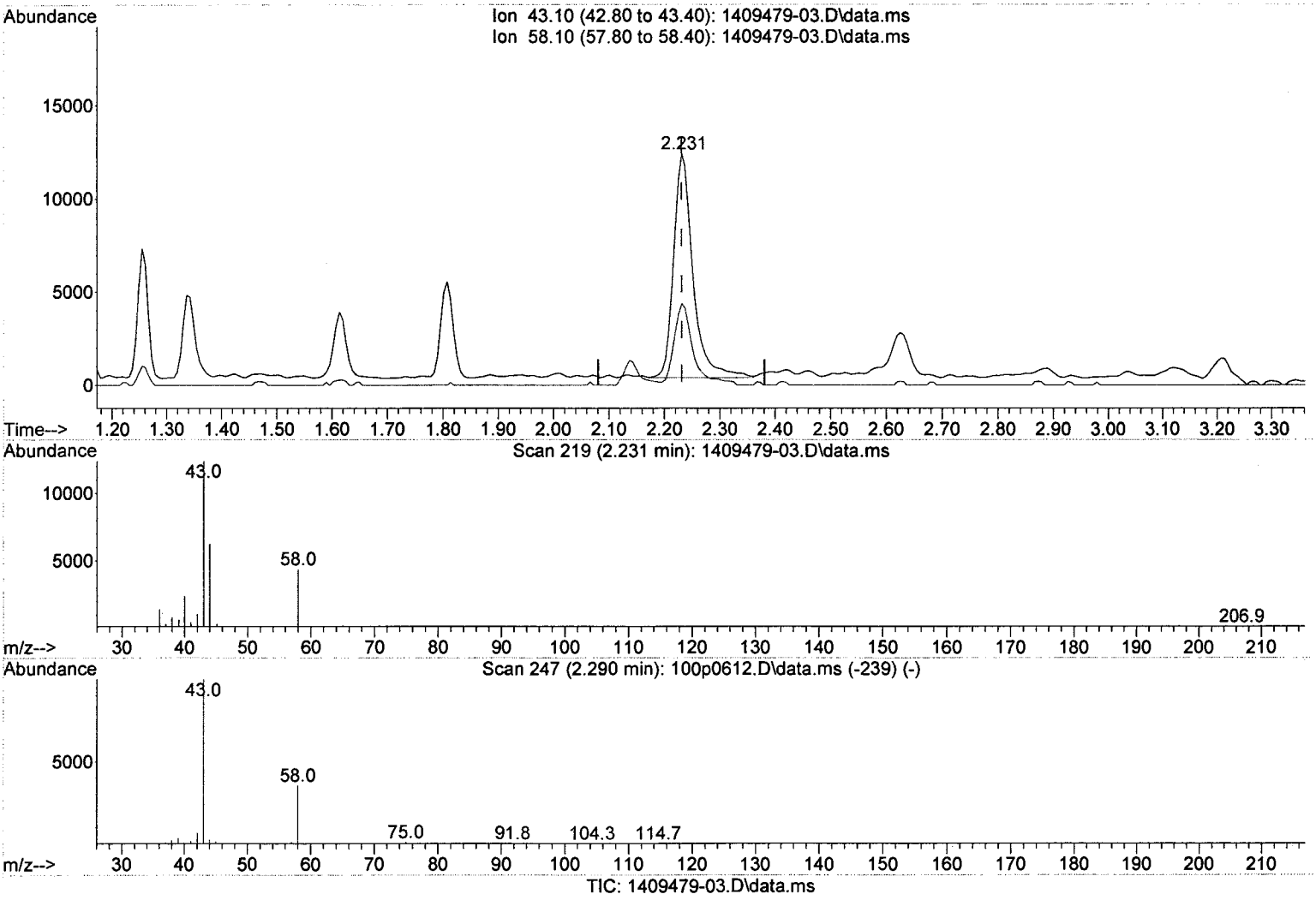
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.125	83	1591	0.22	ug/L	#	17
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.742	91	5872	0.35	ug/L		98
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	9.472	166	4693	1.23	ug/L		95
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	0.000		0	N.D.			
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.566	55	2305	0.63	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	0.000		0	N.D.			
60)	m+p-xylene	0.000		0	N.D.			
61)	o-xylene	0.000		0	N.D.			
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	0.000		0	N.D.			
77)	sec-butylbenzene	0.000		0	N.D.			
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

000778

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-03.D
Acq On : 01 Oct 2014 15:34
Operator : DLV
Sample : 1409479-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 02 07:00:51 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-03.D\data.ms

(13) acetone

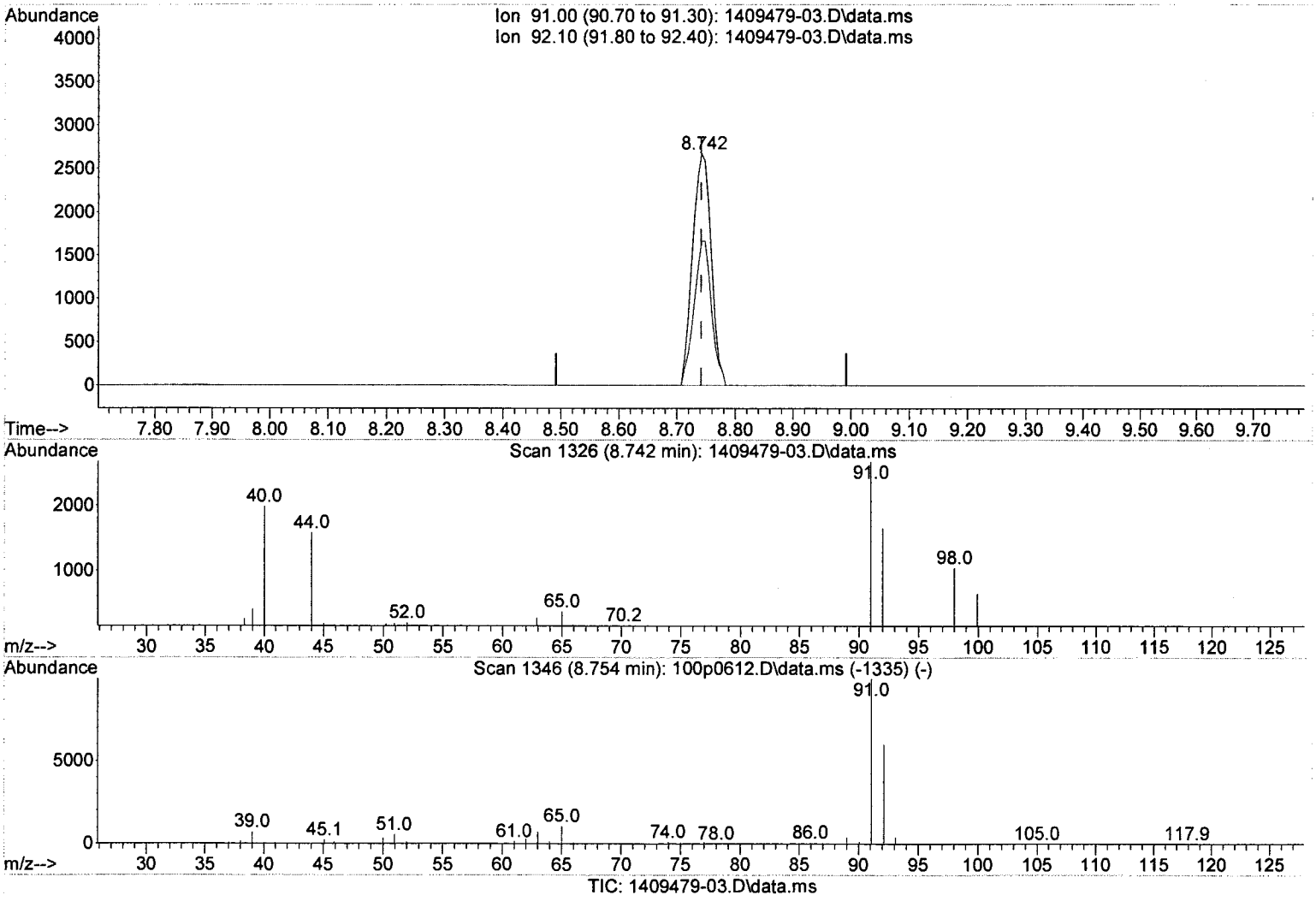
2.231min (-0.000) 6.08 ug/L

response 28882

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	35.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-03.D
Acq On : 01 Oct 2014 15:34
Operator : DLV
Sample : 1409479-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 02 07:00:51 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-03.D\data.ms

(47) toluene (C)

8.742min (+ 0.000) 0.35 ug/L

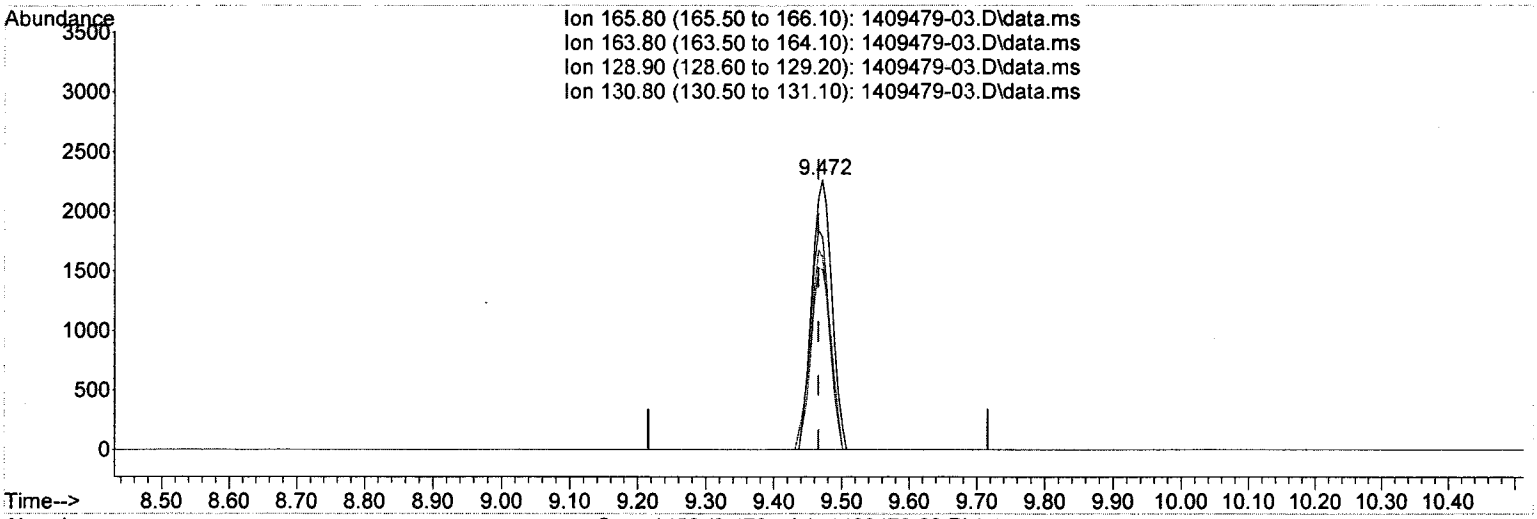
response 5872

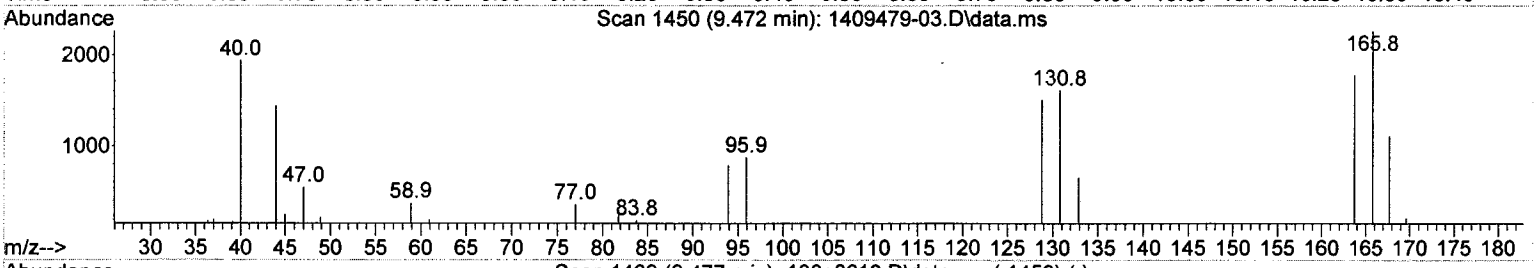
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	58.75
0.00	0.00	0.00
0.00	0.00	0.00

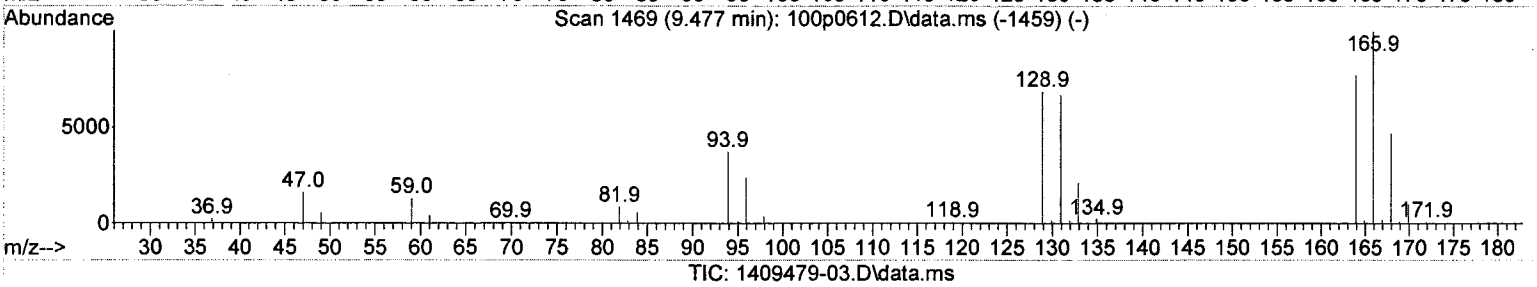
000780

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-03.D
Acq On : 01 Oct 2014 15:34
Operator : DLV
Sample : 1409479-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 02 07:00:51 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(51) tetrachloroethene

9.472min (+ 0.006) 1.23 ug/L

response 4693

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	79.10	76.18
128.90	74.40	66.87
130.80	71.60	70.49

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB02-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-04 File ID: 1409479-04.D

Sampled: 09/25/14 10:00 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 15:57

Solids: 97.54 Preparation: 5035A Low Concentratio Initial/Final: 4.5 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.0	4.8	5.7	5.7	J
71-43-2	Benzene	1	0.57	0.18	0.57	1.1	U
108-86-1	Bromobenzene	1	0.57	0.15	0.57	1.1	U
74-97-5	Bromochloromethane	1	0.57	0.16	0.57	1.1	U
75-27-4	Bromodichloromethane	1	0.57	0.20	0.57	1.1	U
75-25-2	Bromoform	1	0.57	0.41	0.57	1.1	U
74-83-9	Bromomethane	1	0.57	0.37	0.57	1.1	U
104-51-8	n-Butylbenzene	1	0.57	0.30	0.57	1.1	U
135-98-8	sec-Butylbenzene	1	0.57	0.24	0.57	1.1	U
98-06-6	tert-Butylbenzene	1	0.57	0.19	0.57	1.1	U
75-15-0	Carbon Disulfide	1	0.57	0.26	0.57	1.1	U
56-23-5	Carbon Tetrachloride	1	0.57	0.37	0.57	1.1	U
108-90-7	Chlorobenzene	1	0.57	0.17	0.57	1.1	U
75-00-3	Chloroethane	1	1.1	0.57	1.1	1.1	U
67-66-3	Chloroform	1	0.57	0.16	0.57	1.1	U
74-87-3	Chloromethane	1	0.57	0.29	0.57	1.1	U
95-49-8	2-Chlorotoluene	1	0.57	0.33	0.57	1.1	U
106-43-4	4-Chlorotoluene	1	0.23	0.23	0.23	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.67	1.1	5.7	U
124-48-1	Dibromochloromethane	1	0.57	0.21	0.57	1.1	U
106-93-4	1,2-Dibromoethane	1	0.57	0.17	0.57	1.1	U
74-95-3	Dibromomethane	1	0.57	0.26	0.57	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.23	0.11	0.23	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.57	0.16	0.57	1.1	U
75-34-3	1,1-Dichloroethane	1	0.57	0.24	0.57	1.1	U
107-06-2	1,2-Dichloroethane	1	0.57	0.26	0.57	1.1	U
75-35-4	1,1-Dichloroethene	1	0.57	0.35	0.57	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.57	0.26	0.57	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.57	0.31	0.57	1.1	U
78-87-5	1,2-Dichloropropane	1	0.57	0.19	0.57	1.1	U
142-28-9	1,3-Dichloropropane	1	0.57	0.16	0.57	1.1	U
594-20-7	2,2-Dichloropropane	1	0.57	0.26	0.57	1.1	U
563-58-6	1,1-Dichloropropene	1	0.57	0.32	0.57	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.23	0.13	0.23	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.57	0.14	0.57	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB02-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-04 File ID: 1409479-04.D

Sampled: 09/25/14 10:00 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 15:57

Solids: 97.54 Preparation: 5035A Low Concentratio Initial/Final: 4.5 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.57	0.21	0.57	1.1	U
87-68-3	Hexachlorobutadiene	1	0.57	0.24	0.57	1.1	U
591-78-6	2-Hexanone	1	0.57	0.55	0.57	5.7	U
98-82-8	Isopropylbenzene	1	0.23	0.13	0.23	1.1	U
99-87-6	4-Isopropyltoluene	1	0.57	0.27	0.57	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.53	1.1	5.7	U
78-93-3	2-Butanone (MEK)	1	5.7	1.3	5.7	5.7	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.57	0.44	0.57	5.7	U
91-20-3	Naphthalene	1	0.57	0.18	0.57	5.7	U
103-65-1	n-Propylbenzene	1	0.57	0.13	0.57	1.1	U
100-42-5	Styrene	1	0.23	0.23	0.23	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.57	0.17	0.57	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.57	0.16	0.57	1.1	U
127-18-4	Tetrachloroethene	1	0.57	0.19	0.57	1.1	U
108-88-3	Toluene	1	0.17	0.11	0.23	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.57	0.33	0.57	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.57	0.19	0.57	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.57	0.16	0.57	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.57	0.24	0.57	1.1	U
79-01-6	Trichloroethene	1	0.57	0.28	0.57	1.1	U
75-69-4	Trichlorofluoromethane	1	0.57	0.20	0.57	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.57	0.26	0.57	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.57	0.13	0.57	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.57	0.22	0.57	1.1	U
75-01-4	Vinyl Chloride	1	0.57	0.23	0.57	1.1	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.16	0.46	2.3	J
95-47-6	Xylene, Ortho	1	0.23	0.13	0.23	1.1	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.4	106	78 - 119	
1,2-Dichloroethane-d4	40.0	44.2	110	71 - 136	
Toluene-d8	40.0	40.2	101	85 - 116	
4-Bromofluorobenzene	40.0	39.9	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	443796	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB02-33

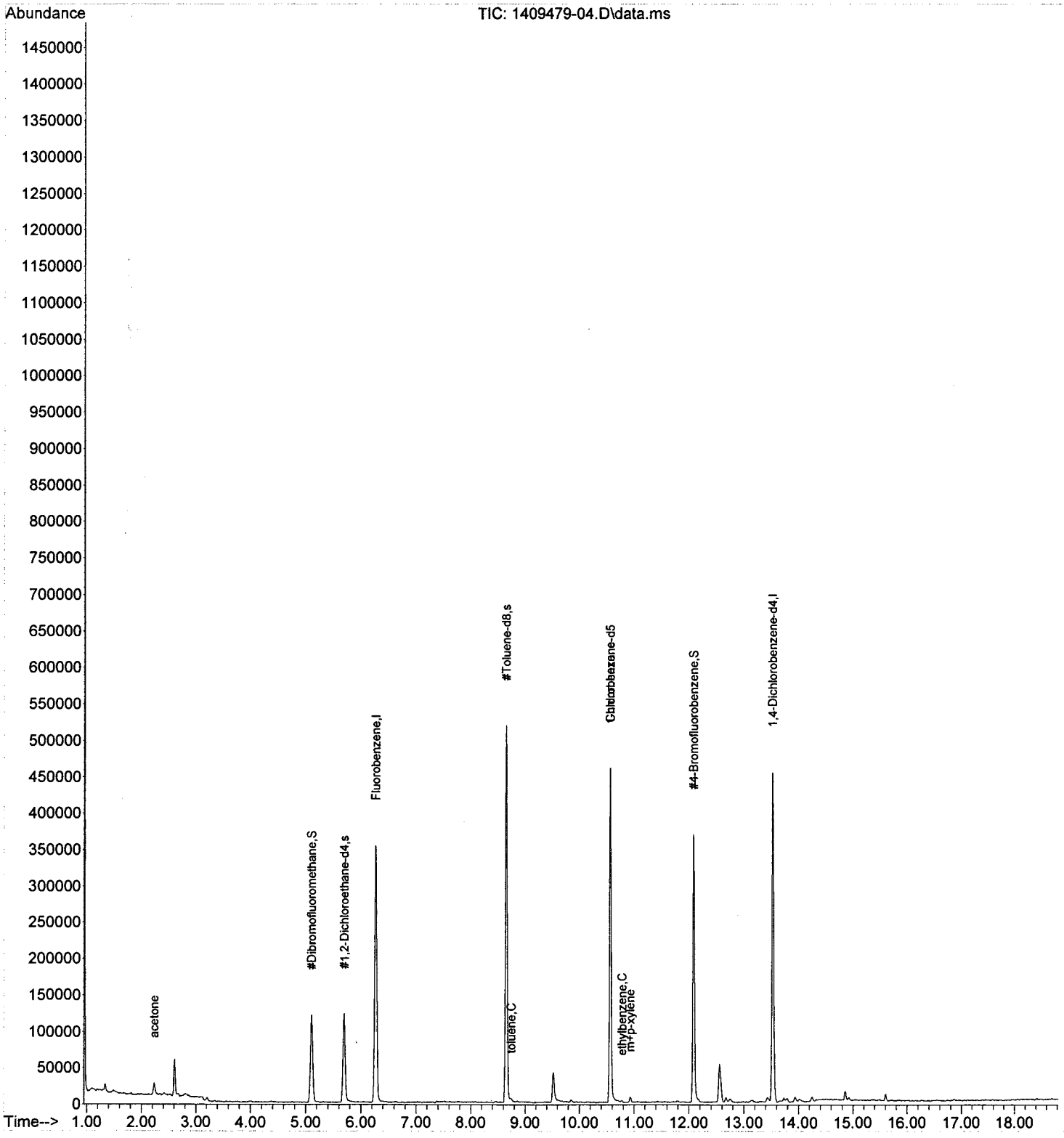
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-04
File ID: 1409479-04.D
Sampled: 09/25/14 10:00
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 15:57
Solids: 97.54
Preparation: 5035A Low Concentratio
Initial/Final: 4.5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	317541	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	158391	13.525	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-04.D
Acq On : 01 Oct 2014 15:57
Operator : DLV
Sample : 1409479-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 02 07:00:55 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000785

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-04.D
Acq On : 01 Oct 2014 15:57
Operator : DLV
Sample : 1409479-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 02 07:00:55 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	443796	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	317541	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	158391	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.108	111	118331	42.40	ug/L		0.00
Spiked Amount 40.000			Recovery = 106.00%				
37) #1,2-Dichloroethane-d4	5.696	67	70352	44.20	ug/L		0.00
Spiked Amount 40.000			Recovery = 110.50%				
46) #Toluene-d8	8.655	98	433340	40.21	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.52%				
64) #4-Bromofluorobenzene	12.084	95	158952	39.93	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.83%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	26231	4.39	ug/L		99
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.608	49	29968	Below Cal			96
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.349	43	2012	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

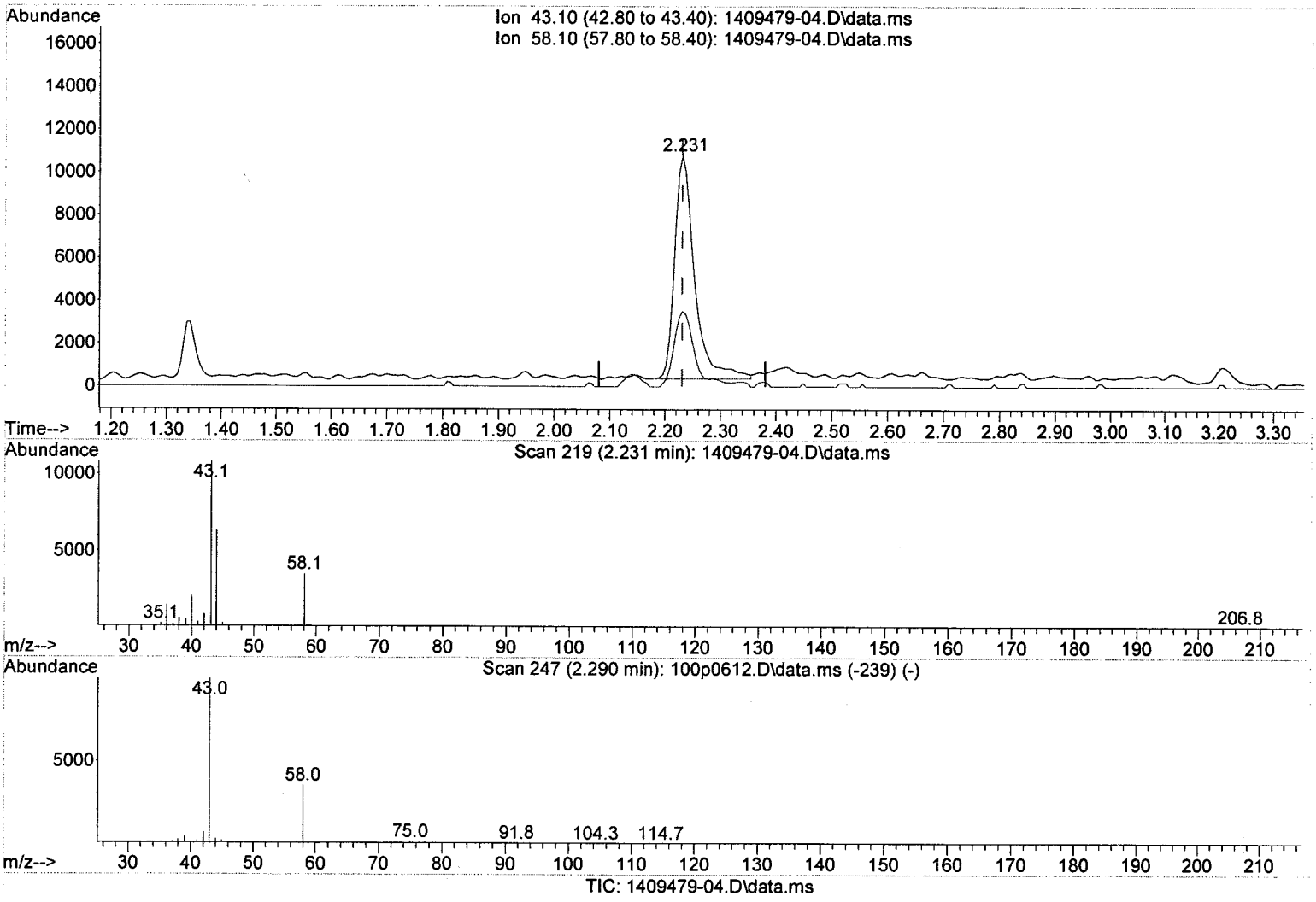
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-04.D
Acq On : 01 Oct 2014 15:57
Operator : DLV
Sample : 1409479-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 02 07:00:55 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	8.743	91	2407	0.15	ug/L	93
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.560	55	2602	0.62	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	10.778	91	1667	0.09	ug/L #	44
60) m+p-xylene	10.931	106	2427	0.35	ug/L	99
61) o-xylene	0.000		0	N.D.		
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	0.000		0	N.D.		
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-04.D
Acq On : 01 Oct 2014 15:57
Operator : DLV
Sample : 1409479-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 02 07:00:55 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-04.D\data.ms

(13) acetone

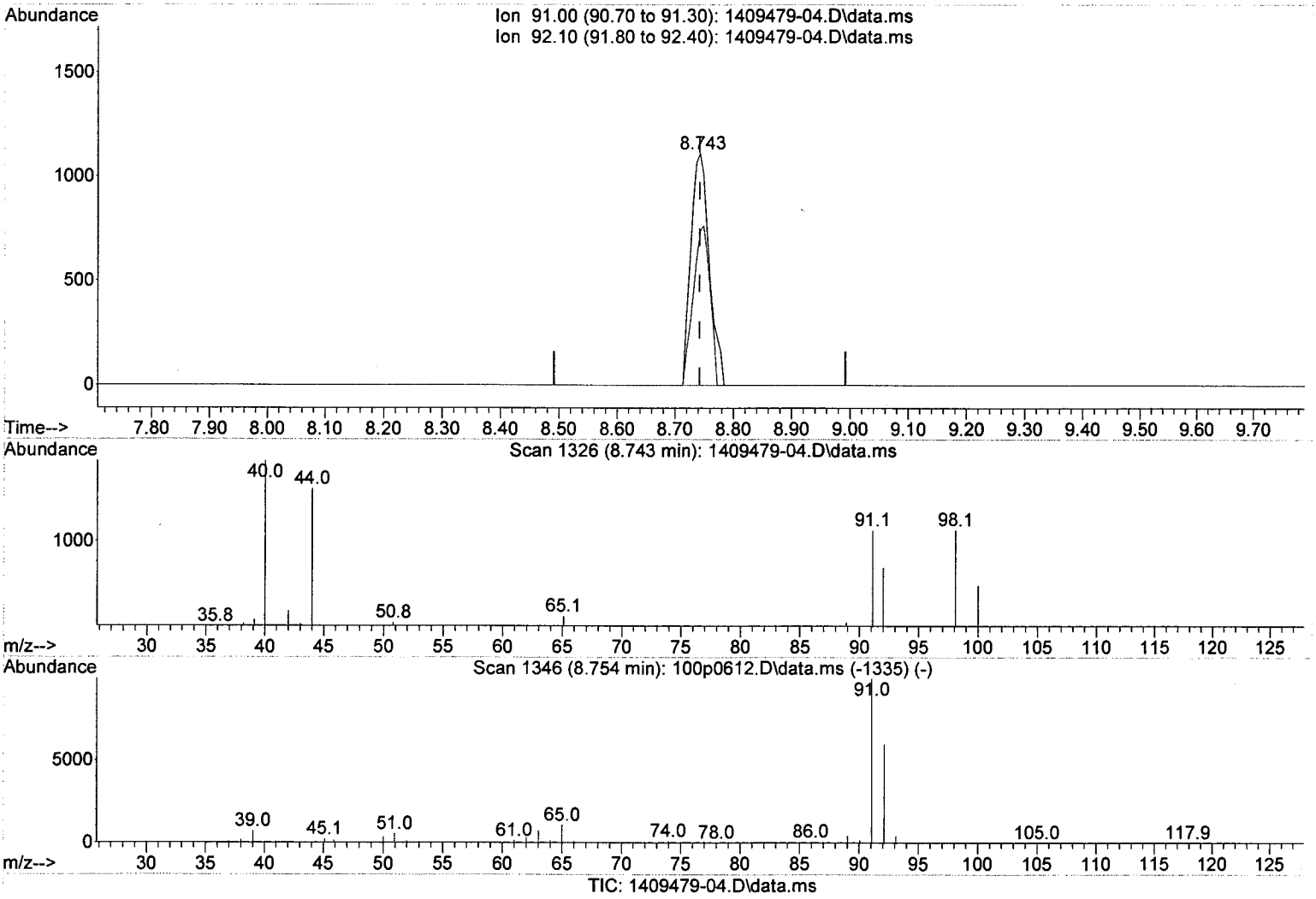
2.231min (+ 0.000) 4.39 ug/L

response 26231

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	34.97
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-04.D
Acq On : 01 Oct 2014 15:57
Operator : DLV
Sample : 1409479-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 02 07:00:55 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-04.D\data.ms

(47) toluene (C)

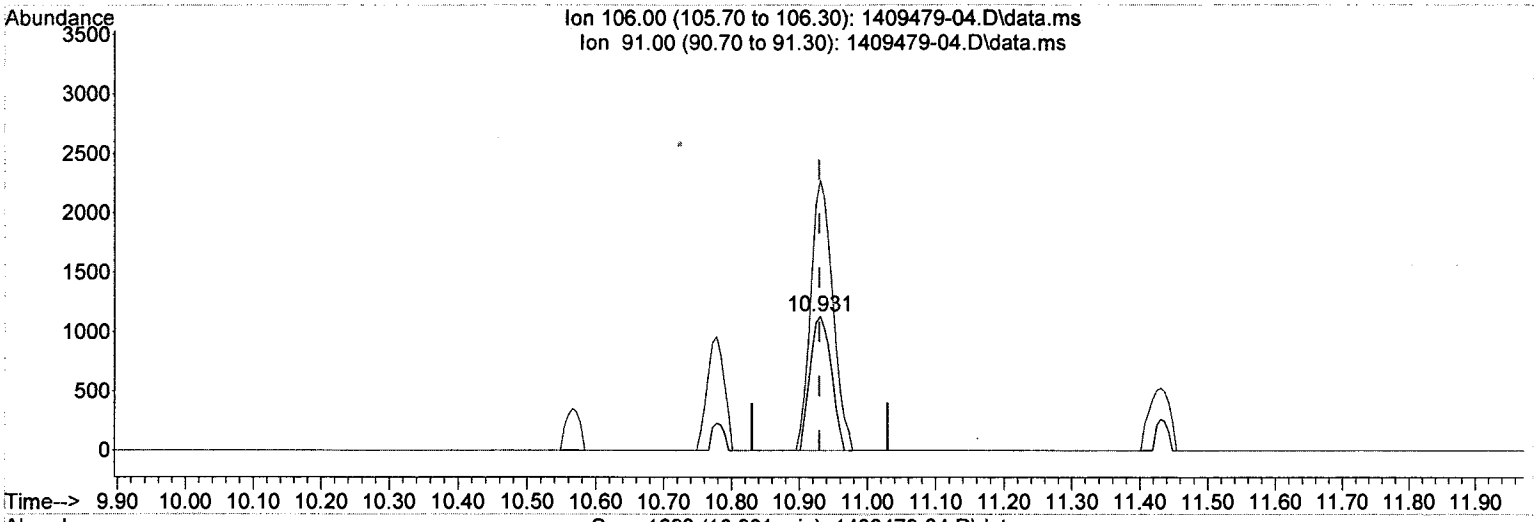
8.743min (+ 0.001) 0.15 ug/L

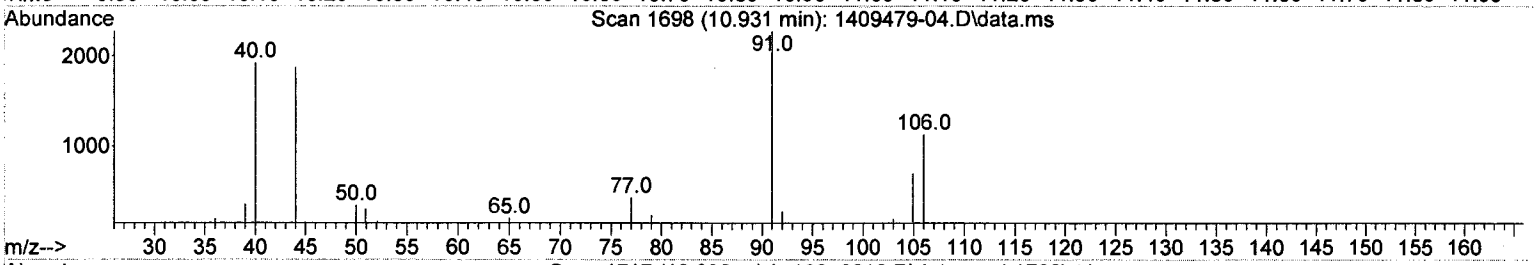
response 2407

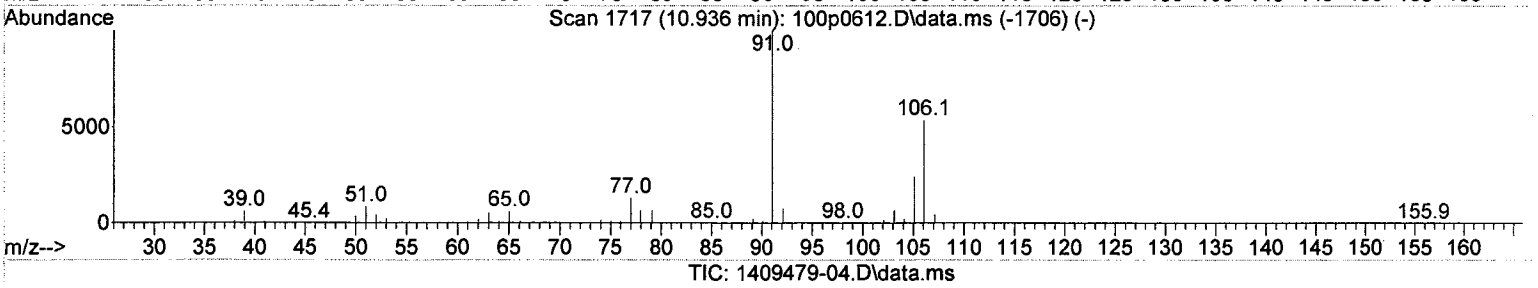
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	62.53
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-04.D
Acq On : 01 Oct 2014 15:57
Operator : DLV
Sample : 1409479-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 02 07:00:55 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-04.D\data.ms

(60) m+p-xylene

10.931min (+ 0.001) 0.35 ug/L

response 2427

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	209.52
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-05 File ID: 1409479-05.D

Sampled: 09/25/14 10:50 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 16:21

Solids: 96.85 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	13	4.6	5.5	5.5	
71-43-2	Benzene	1	0.26	0.18	0.55	1.1	J
108-86-1	Bromobenzene	1	0.55	0.15	0.55	1.1	U
74-97-5	Bromochloromethane	1	0.55	0.16	0.55	1.1	U
75-27-4	Bromodichloromethane	1	0.55	0.19	0.55	1.1	U
75-25-2	Bromoform	1	0.55	0.39	0.55	1.1	U
74-83-9	Bromomethane	1	0.55	0.36	0.55	1.1	U
104-51-8	n-Butylbenzene	1	0.55	0.28	0.55	1.1	U
135-98-8	sec-Butylbenzene	1	0.55	0.23	0.55	1.1	U
98-06-6	tert-Butylbenzene	1	0.55	0.18	0.55	1.1	U
75-15-0	Carbon Disulfide	1	2.3	0.25	0.55	1.1	
56-23-5	Carbon Tetrachloride	1	0.55	0.36	0.55	1.1	U
108-90-7	Chlorobenzene	1	0.55	0.16	0.55	1.1	U
75-00-3	Chloroethane	1	1.1	0.55	1.1	1.1	U
67-66-3	Chloroform	1	0.55	0.16	0.55	1.1	U
74-87-3	Chloromethane	1	0.55	0.28	0.55	1.1	U
95-49-8	2-Chlorotoluene	1	0.55	0.32	0.55	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.65	1.1	5.5	U
124-48-1	Dibromochloromethane	1	0.55	0.20	0.55	1.1	U
106-93-4	1,2-Dibromoethane	1	0.55	0.17	0.55	1.1	U
74-95-3	Dibromomethane	1	0.55	0.25	0.55	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.55	0.16	0.55	1.1	U
75-34-3	1,1-Dichloroethane	1	0.55	0.23	0.55	1.1	U
107-06-2	1,2-Dichloroethane	1	0.55	0.25	0.55	1.1	U
75-35-4	1,1-Dichloroethene	1	0.55	0.34	0.55	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.55	0.25	0.55	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.55	0.30	0.55	1.1	U
78-87-5	1,2-Dichloropropane	1	0.55	0.19	0.55	1.1	U
142-28-9	1,3-Dichloropropane	1	0.55	0.16	0.55	1.1	U
594-20-7	2,2-Dichloropropane	1	0.55	0.25	0.55	1.1	U
563-58-6	1,1-Dichloropropene	1	0.55	0.31	0.55	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.12	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.55	0.13	0.55	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-05 File ID: 1409479-05.D

Sampled: 09/25/14 10:50 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 16:21

Solids: 96.85 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.55	0.20	0.55	1.1	U
87-68-3	Hexachlorobutadiene	1	0.55	0.23	0.55	1.1	U
591-78-6	2-Hexanone	1	0.55	0.53	0.55	5.5	U
98-82-8	Isopropylbenzene	1	0.12	0.12	0.22	1.1	J
99-87-6	4-Isopropyltoluene	1	0.55	0.26	0.55	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.51	1.1	5.5	U
78-93-3	2-Butanone (MEK)	1	5.5	1.2	5.5	5.5	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.55	0.43	0.55	5.5	U
91-20-3	Naphthalene	1	0.55	0.18	0.55	5.5	U
103-65-1	n-Propylbenzene	1	0.55	0.13	0.55	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
127-18-4	Tetrachloroethene	1	1.5	0.19	0.55	1.1	
108-88-3	Toluene	1	0.45	0.11	0.22	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.55	0.31	0.55	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.55	0.19	0.55	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.55	0.16	0.55	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.55	0.24	0.55	1.1	U
79-01-6	Trichloroethene	1	0.55	0.27	0.55	1.1	U
75-69-4	Trichlorofluoromethane	1	0.55	0.19	0.55	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.55	0.25	0.55	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.21	0.13	0.55	1.1	J
108-67-8	1,3,5-Trimethylbenzene	1	0.55	0.21	0.55	1.1	U
75-01-4	Vinyl Chloride	1	0.55	0.22	0.55	1.1	U
179601-23-1	Xylene, Meta + Para	1	0.57	0.16	0.44	2.2	J
95-47-6	Xylene, Ortho	1	0.40	0.12	0.22	1.1	J

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.3	103	78 - 119	
1,2-Dichloroethane-d4	40.0	43.2	108	71 - 136	
Toluene-d8	40.0	39.0	98	85 - 116	
4-Bromofluorobenzene	40.0	40.6	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	456160	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB04-07

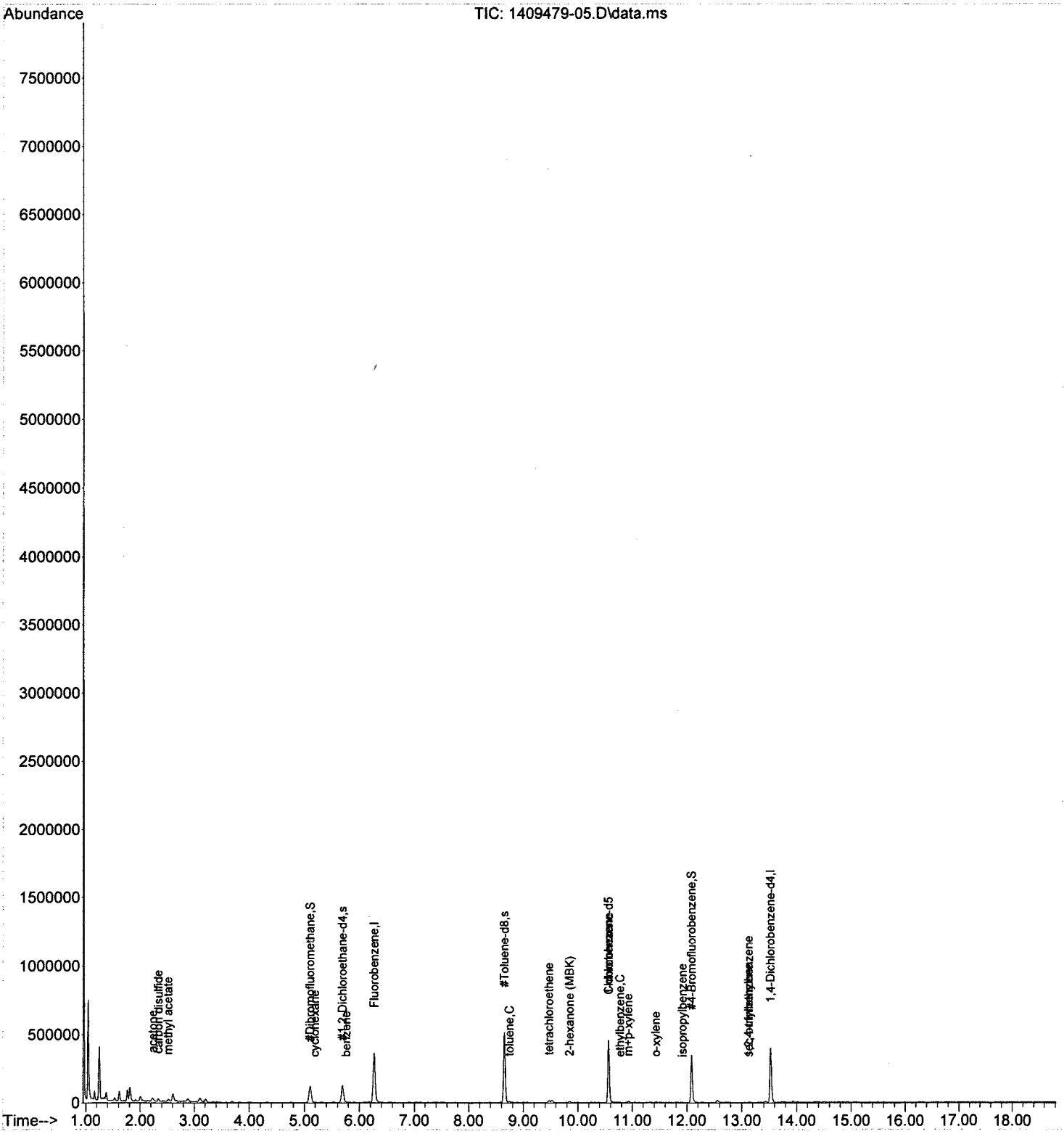
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-05
File ID: 1409479-05.D
Sampled: 09/25/14 10:50
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 16:21
Solids: 96.85
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	305576	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	139777	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-05.D
Acq On : 01 Oct 2014 16:21
Operator : DLV
Sample : 1409479-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 02 07:00:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-05.D
Acq On : 01 Oct 2014 16:21
Operator : DLV
Sample : 1409479-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 02 07:00:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	456160	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	305576	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	139777	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.101	111	118569	41.33	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.33%				
37) #1,2-Dichloroethane-d4	5.690	67	70693	43.21	ug/L		0.00
Spiked Amount 40.000			Recovery = 108.02%				
46) #Toluene-d8	8.654	98	432191	39.02	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.55%				
64) #4-Bromofluorobenzene	12.083	95	155495	40.59	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.48%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	35405	✓ 11.70	ug/L		94
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	21886	✓ 2.09	ug/L		96
16) methyl acetate	2.513	43	4044	1.33	ug/L	#	60
17) methylene chloride	2.607	49	30940	Below Cal			96
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.319	43	4468	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	5.190	56	1618	0.24	ug/L	#	18
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.760	78	3865	✓ 0.24	ug/L	#	65
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

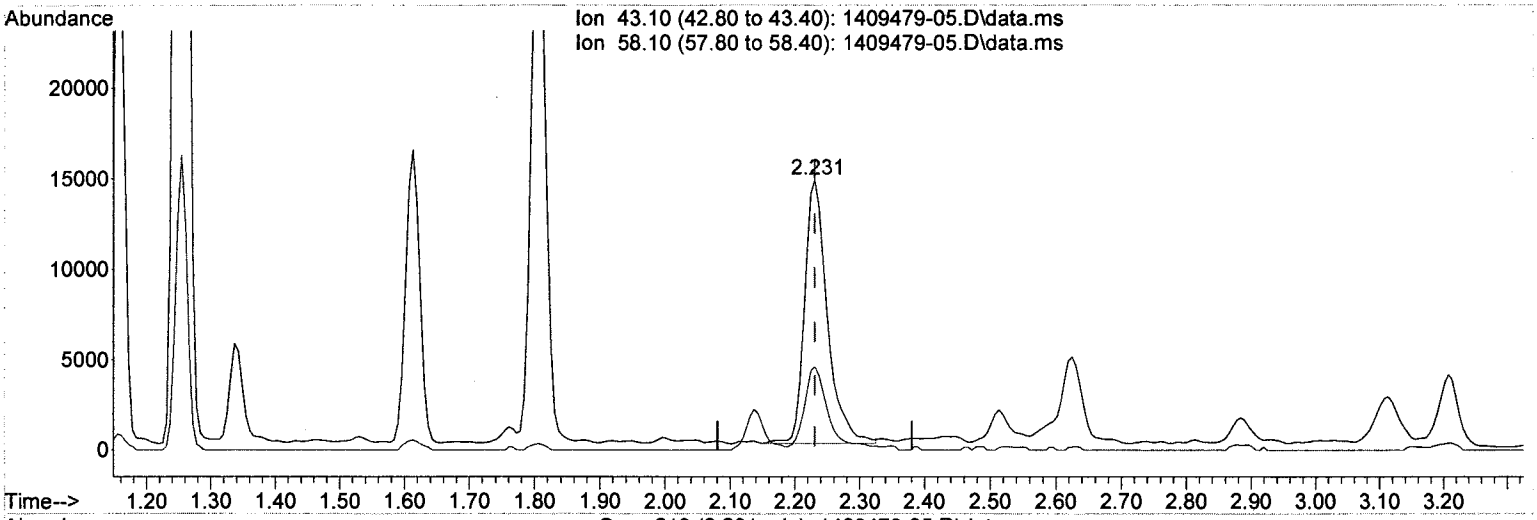
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-05.D
Acq On : 01 Oct 2014 16:21
Operator : DLV
Sample : 1409479-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 02 07:00:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

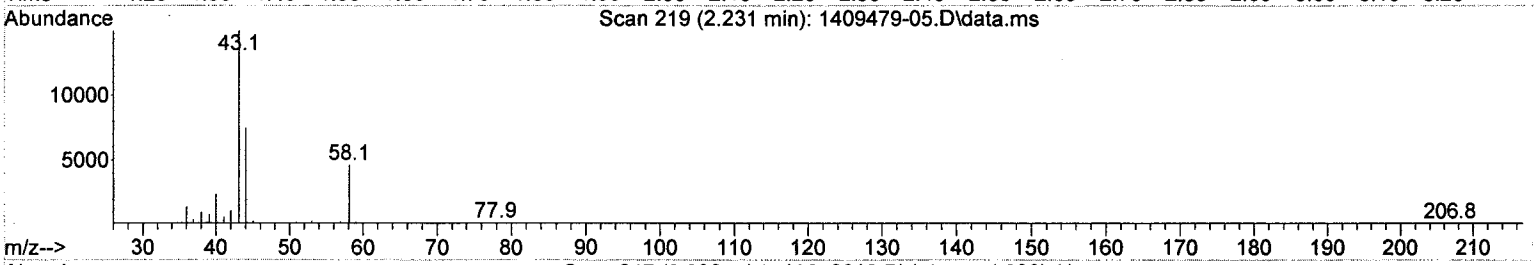
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.742	91	6838	0.41	ug/L		96
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	9.472	166	5699	1.37	ug/L		96
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	9.848	43	1962	~~0.77~~	ug/L	#	4
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.566	55	2777	0.69	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.772	91	2844	0.16	ug/L	#	44
60)	m+p-xylene	10.925	106	3466	0.52	ug/L		94
61)	o-xylene	11.430	106	2284	0.36	ug/L		94
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	11.919	105	1731	0.11	ug/L	#	49
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	13.130	105	2488	0.19	ug/L	#	32
77)	sec-butylbenzene	13.130	105	2430	0.14	ug/L	#	57
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

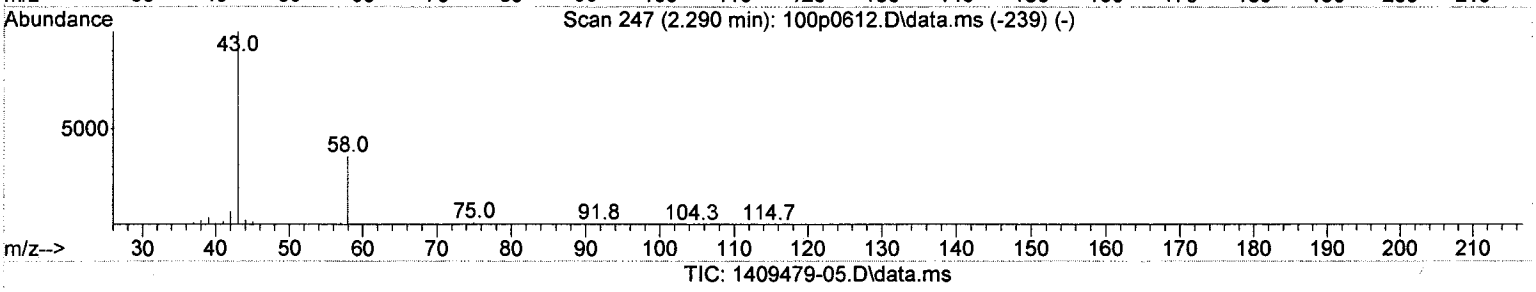
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-05.D
Acq On : 01 Oct 2014 16:21
Operator : DLV
Sample : 1409479-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 02 07:00:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(13) acetone

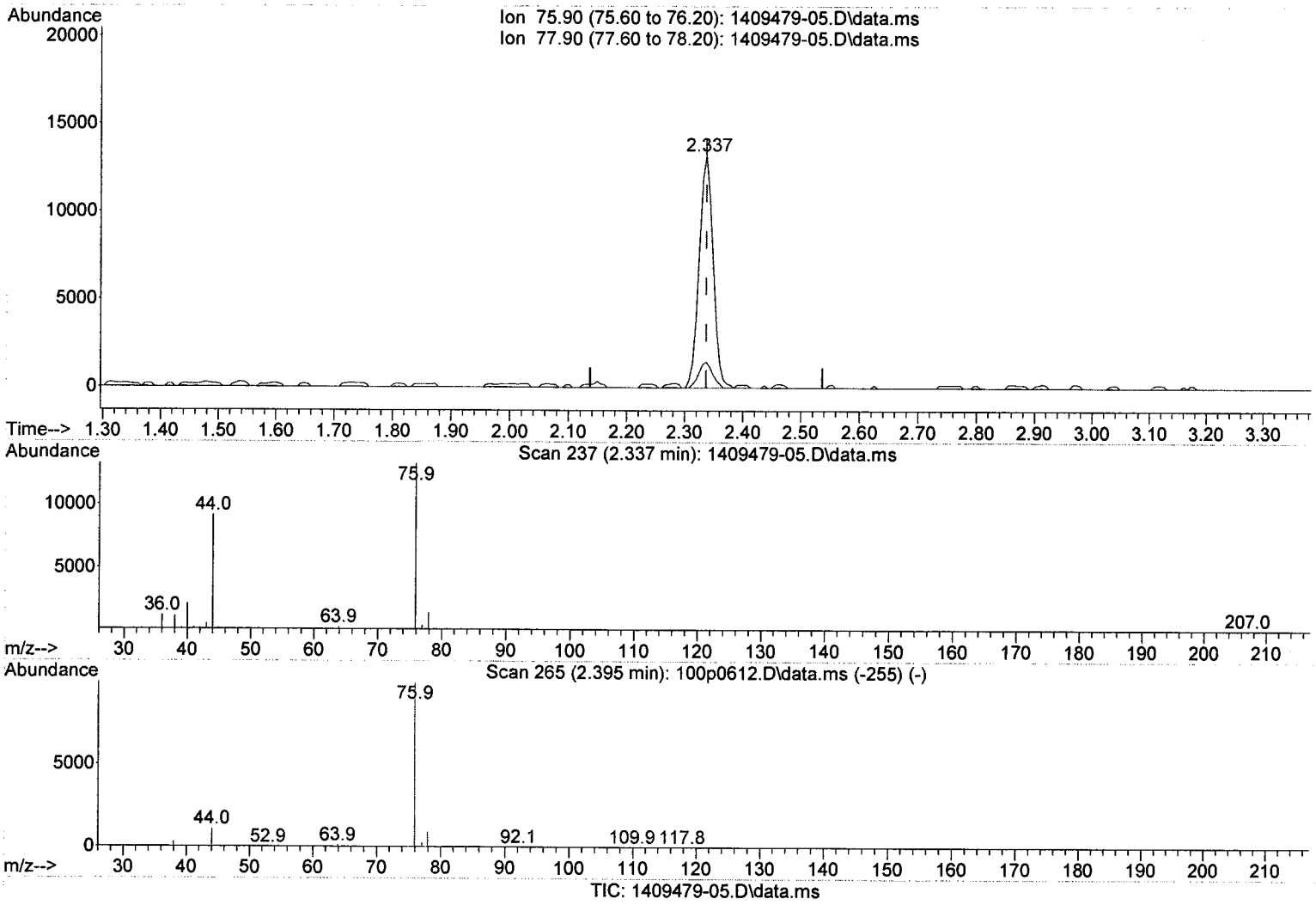
2.231min (-0.000) 11.70 ug/L

response 35405

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	30.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-05.D
Acq On : 01 Oct 2014 16:21
Operator : DLV
Sample : 1409479-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 02 07:00:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-05.D\data.ms

(15) carbon disulfide

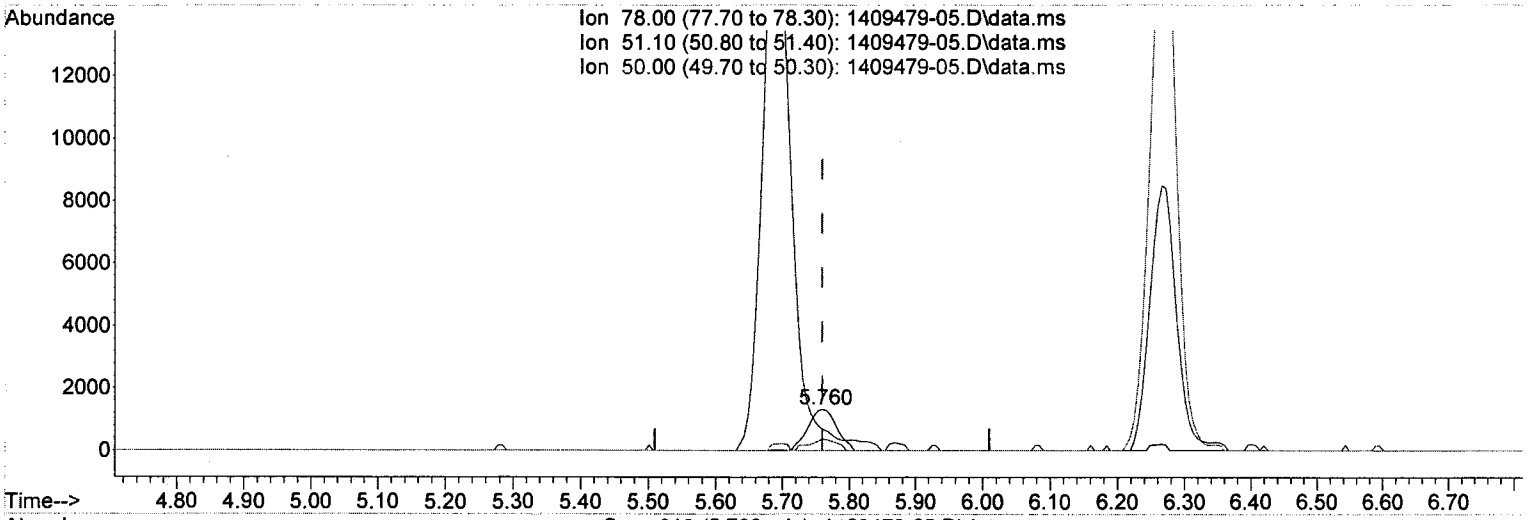
2.337min (-0.000) 2.09 ug/L

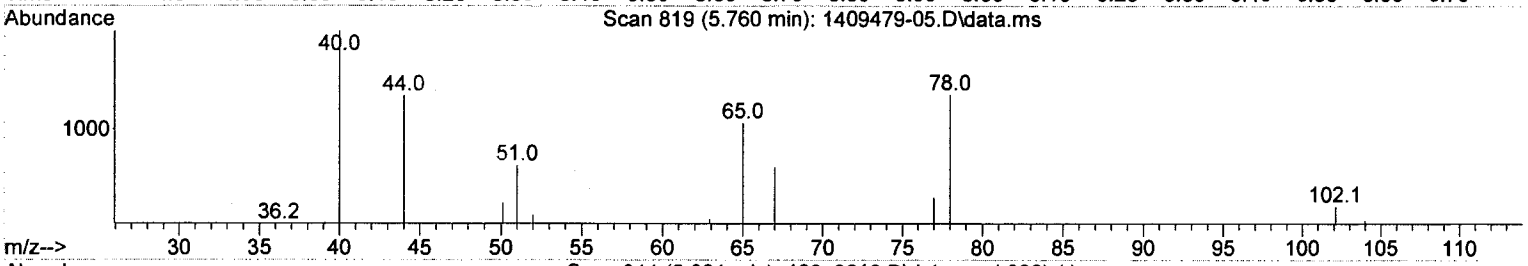
response 21886

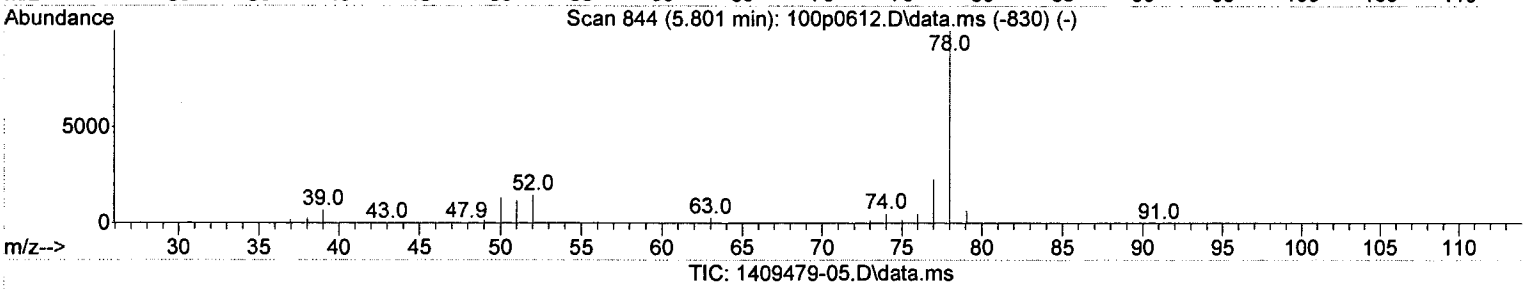
Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.50	11.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-05.D
Acq On : 01 Oct 2014 16:21
Operator : DLV
Sample : 1409479-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 02 07:00:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(34) benzene

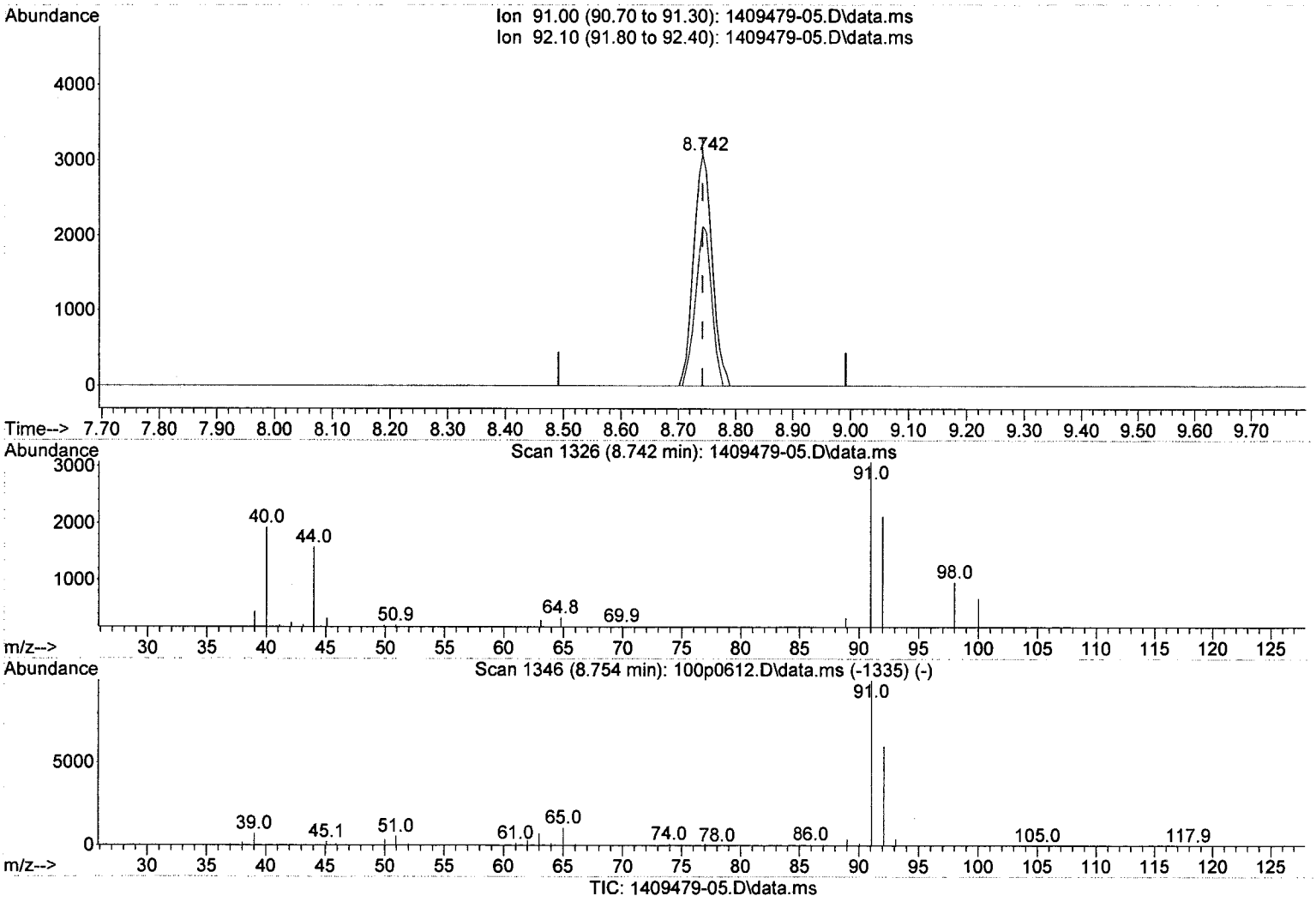
5.760min (+ 0.000) 0.24 ug/L

response 3865

Ion	Exp%	Act%
78.00	100.00	100.00
51.10	13.10	0.00
50.00	15.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-05.D
Acq On : 01 Oct 2014 16:21
Operator : DLV
Sample : 1409479-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 02 07:00:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-05.D\data.ms

(47) toluene (C)

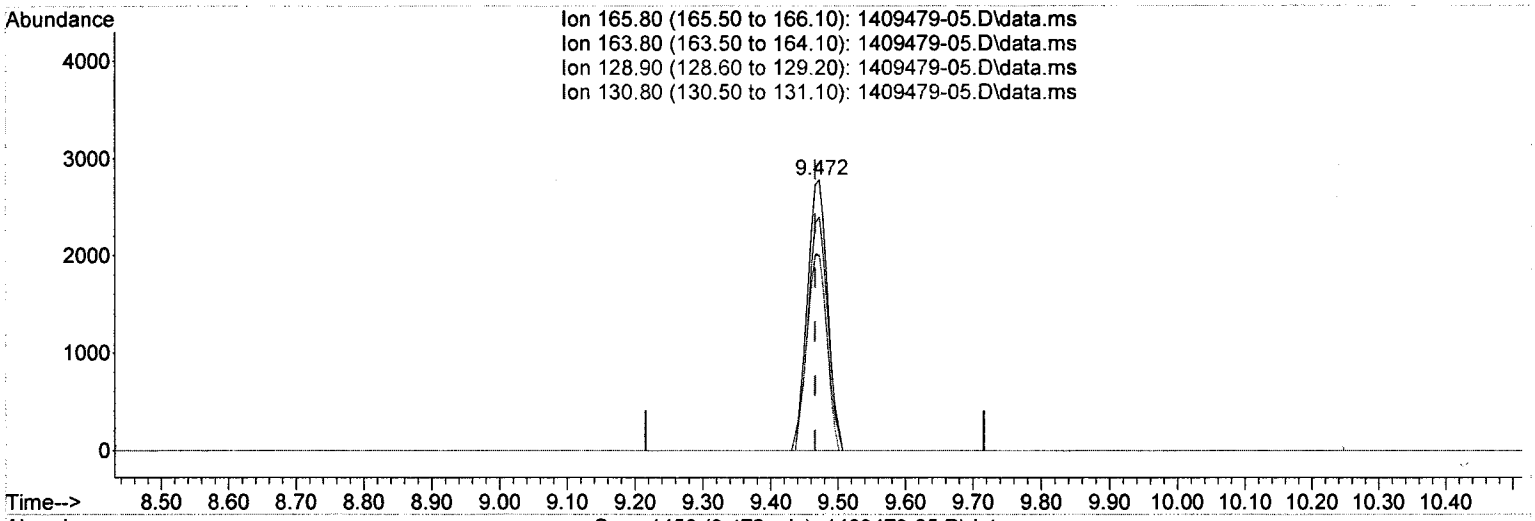
8.742min (+ 0.000) 0.41 ug/L

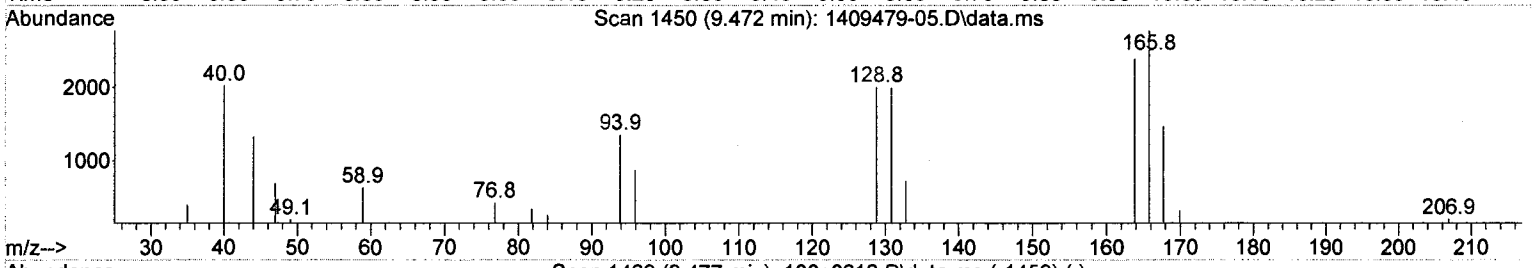
response 6838

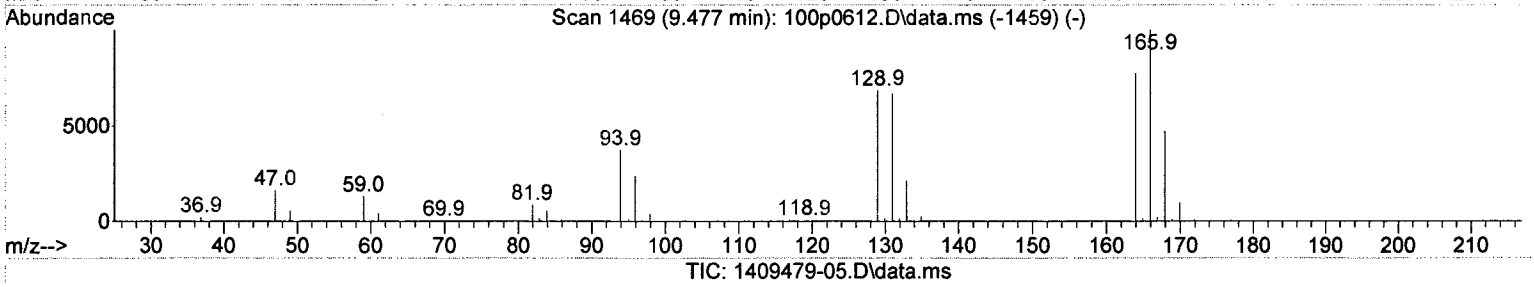
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	60.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-05.D
Acq On : 01 Oct 2014 16:21
Operator : DLV
Sample : 1409479-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 02 07:00:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(51) tetrachloroethene

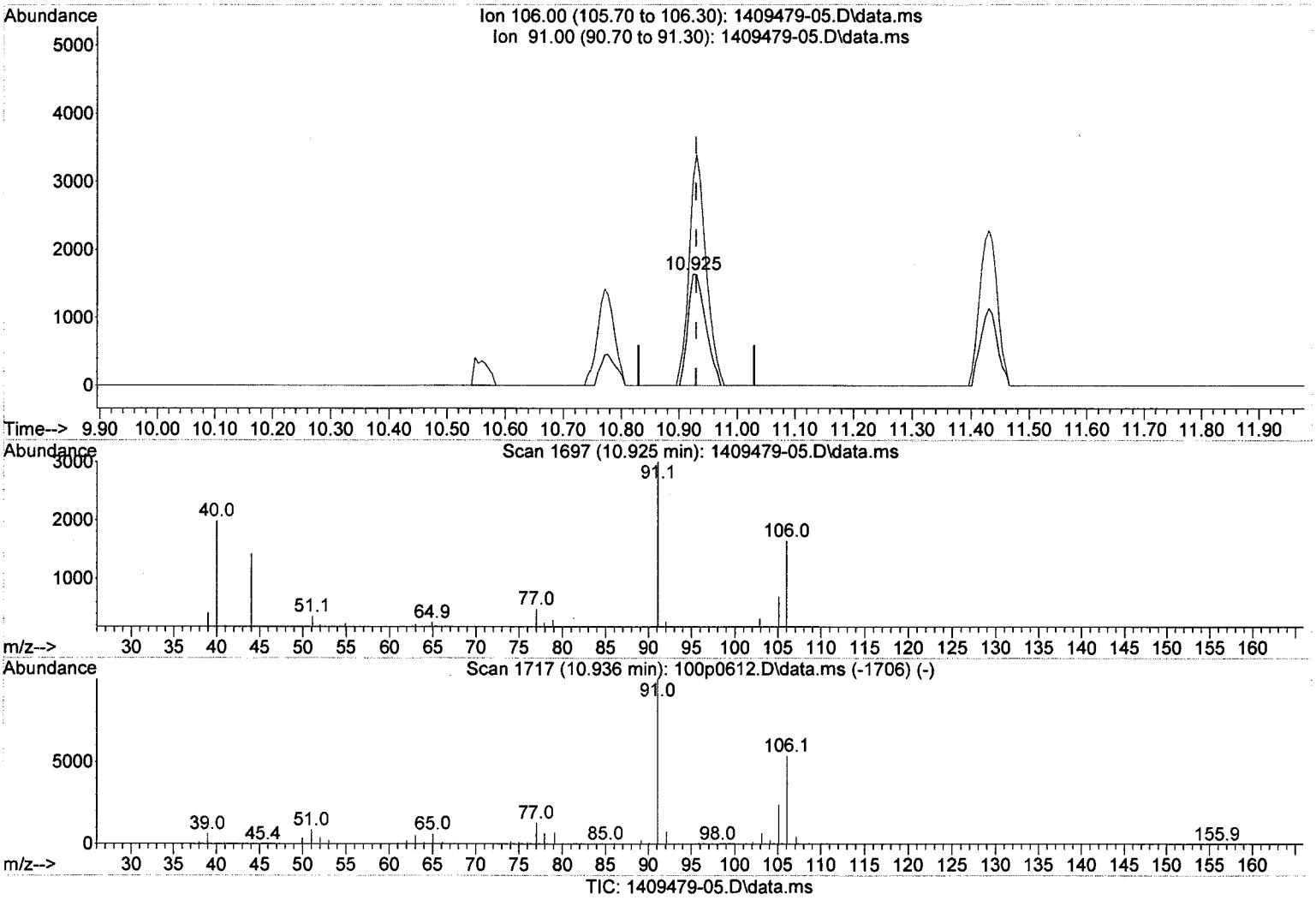
9.472min (+ 0.006) 1.37 ug/L

response 5699

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	79.10	86.93
128.90	74.40	73.57
130.80	71.60	71.14

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-05.D
Acq On : 01 Oct 2014 16:21
Operator : DLV
Sample : 1409479-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 02 07:00:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(60) m+p-xylene

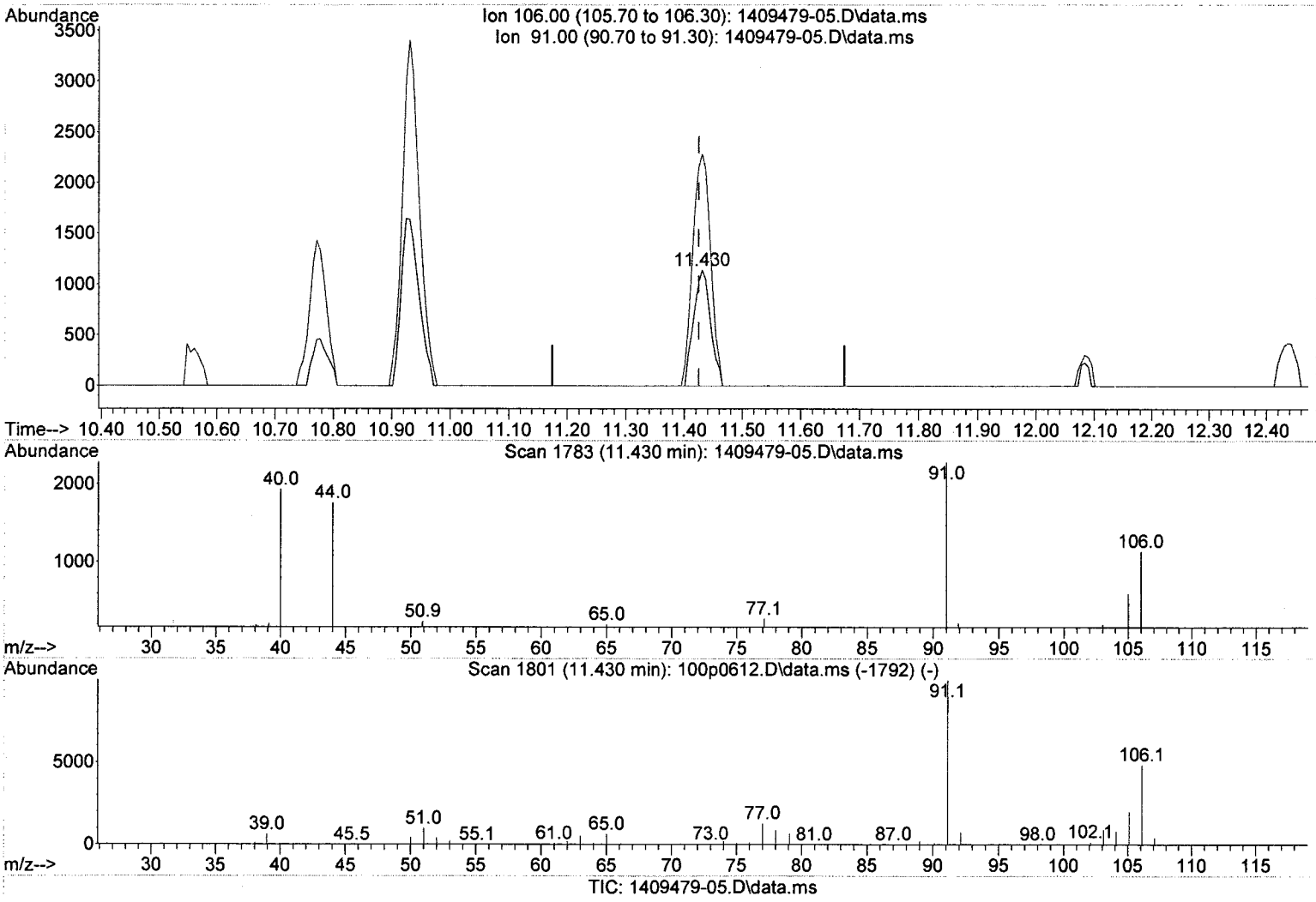
10.925min (-0.005) 0.52 ug/L

response 3466

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	198.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-05.D
Acq On : 01 Oct 2014 16:21
Operator : DLV
Sample : 1409479-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 02 07:00:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-05.D\data.ms

(61) o-xylene

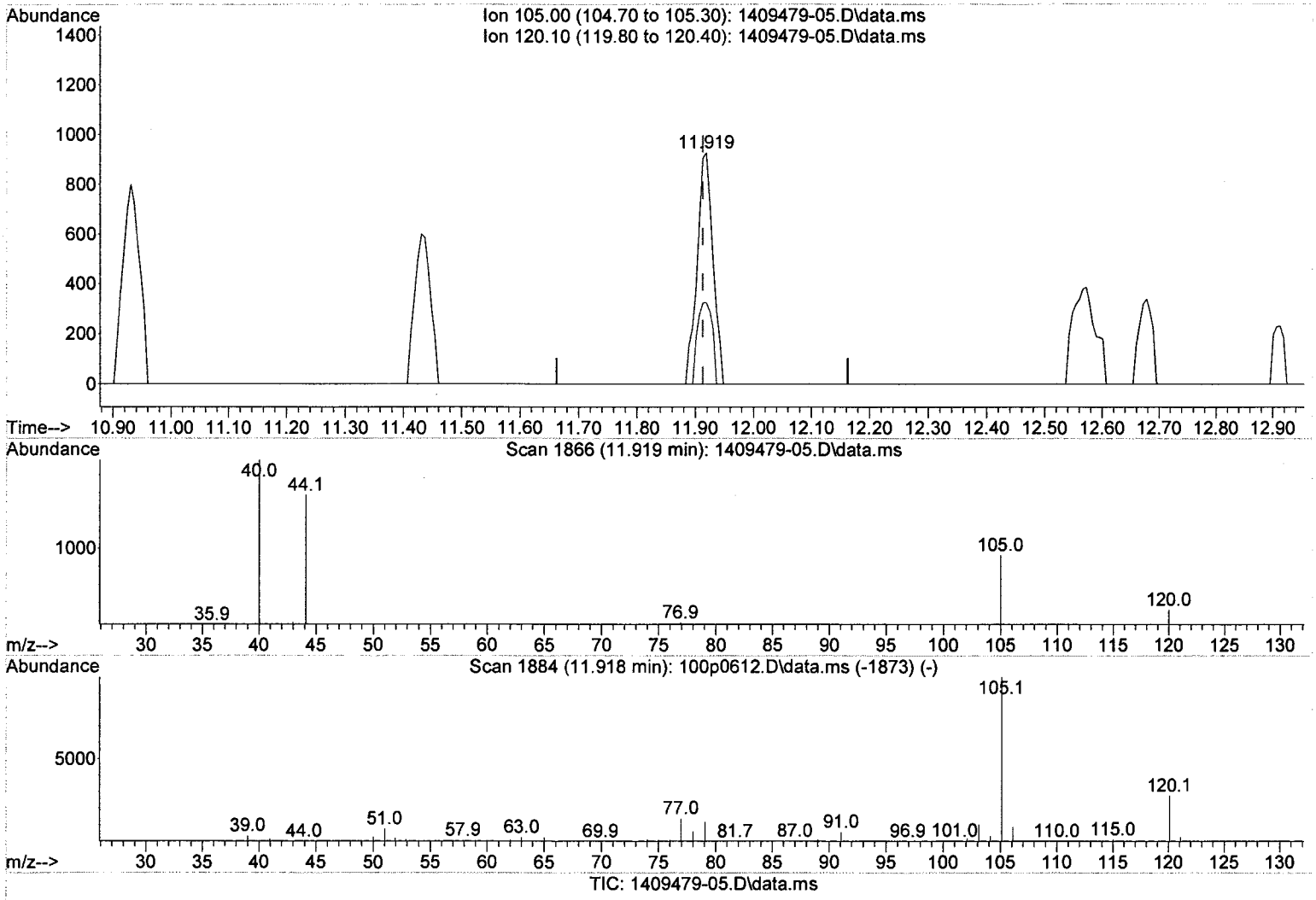
11.430min (+ 0.005) 0.36 ug/L

response 2284

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	211.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-05.D
Acq On : 01 Oct 2014 16:21
Operator : DLV
Sample : 1409479-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 02 07:00:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-05.D\data.ms

(66) isopropylbenzene

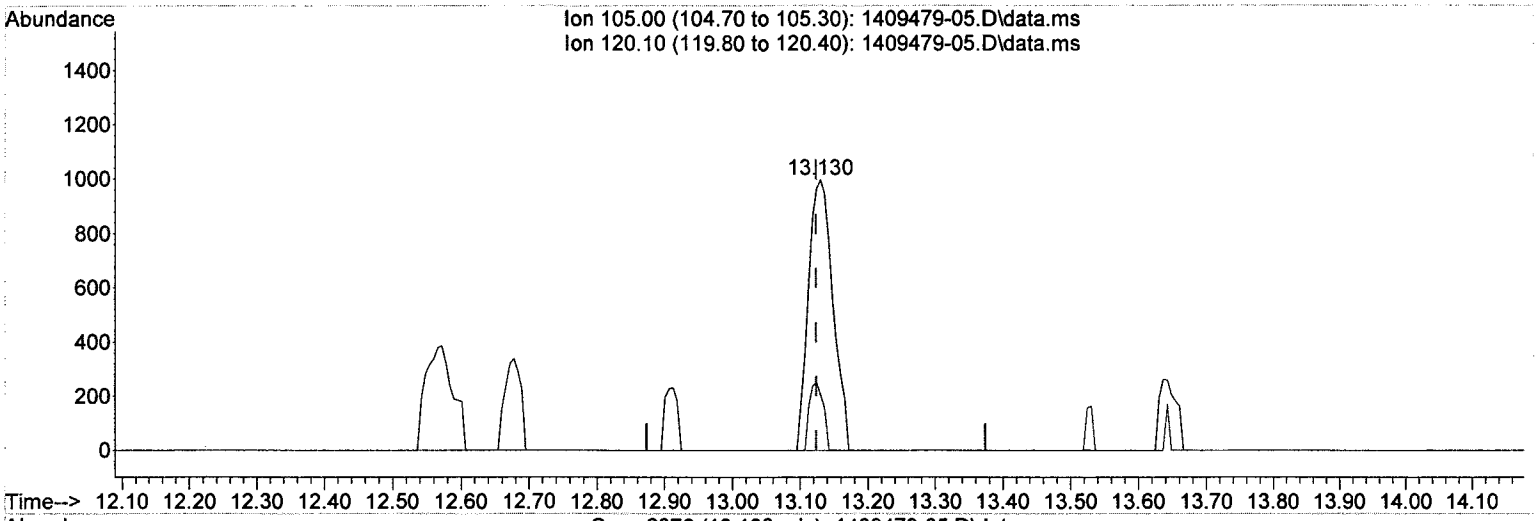
11.919min (+ 0.006) 0.11 ug/L

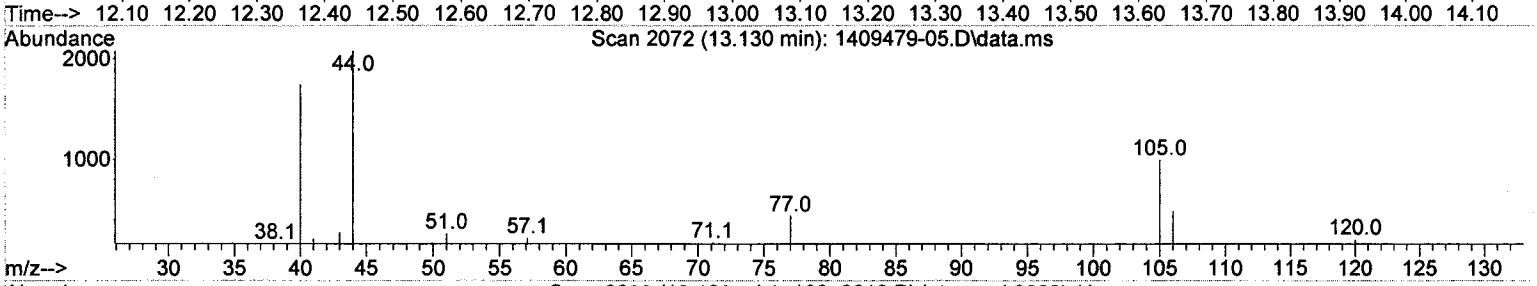
response 1731

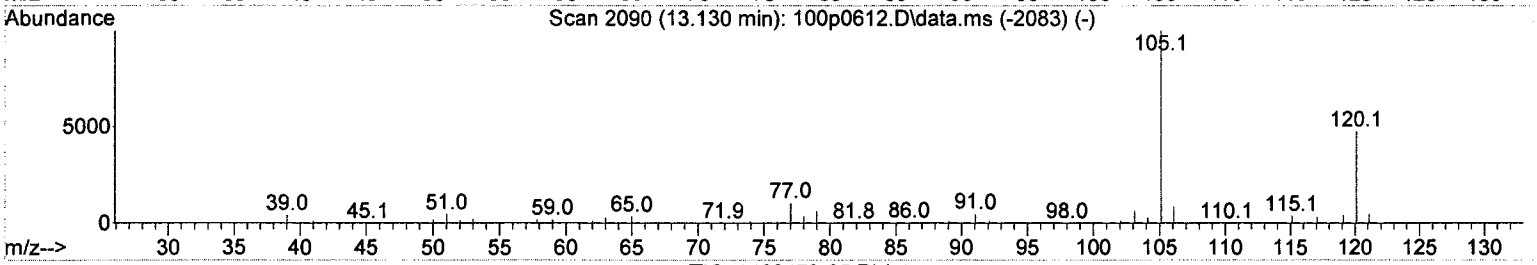
Ion	Exp%	Act%
105.00	100.00	100.00
120.10	26.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-05.D
Acq On : 01 Oct 2014 16:21
Operator : DLV
Sample : 1409479-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 02 07:00:58 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.19 ug/L

response 2488

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB04-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-06 File ID: 1409479-06.D

Sampled: 09/25/14 11:10 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 16:44

Solids: 94.38 Preparation: 5035A Low Concentratio Initial/Final: 4.5 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.9	4.9	5.9	5.9	U
71-43-2	Benzene	1	0.59	0.19	0.59	1.2	U
108-86-1	Bromobenzene	1	0.59	0.16	0.59	1.2	U
74-97-5	Bromochloromethane	1	0.59	0.17	0.59	1.2	U
75-27-4	Bromodichloromethane	1	0.59	0.20	0.59	1.2	U
75-25-2	Bromoform	1	0.59	0.42	0.59	1.2	U
74-83-9	Bromomethane	1	0.59	0.39	0.59	1.2	U
104-51-8	n-Butylbenzene	1	0.59	0.30	0.59	1.2	U
135-98-8	sec-Butylbenzene	1	0.59	0.25	0.59	1.2	U
98-06-6	tert-Butylbenzene	1	0.59	0.20	0.59	1.2	U
75-15-0	Carbon Disulfide	1	0.59	0.27	0.59	1.2	U
56-23-5	Carbon Tetrachloride	1	0.59	0.38	0.59	1.2	U
108-90-7	Chlorobenzene	1	0.59	0.18	0.59	1.2	U
75-00-3	Chloroethane	1	1.2	0.59	1.2	1.2	U
67-66-3	Chloroform	1	0.59	0.17	0.59	1.2	U
74-87-3	Chloromethane	1	0.59	0.30	0.59	1.2	U
95-49-8	2-Chlorotoluene	1	0.59	0.34	0.59	1.2	U
106-43-4	4-Chlorotoluene	1	0.24	0.24	0.24	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.2	0.69	1.2	5.9	U
124-48-1	Dibromochloromethane	1	0.59	0.22	0.59	1.2	U
106-93-4	1,2-Dibromoethane	1	0.59	0.18	0.59	1.2	U
74-95-3	Dibromomethane	1	0.59	0.26	0.59	1.2	U
95-50-1	1,2-Dichlorobenzene	1	0.24	0.11	0.24	1.2	U
541-73-1	1,3-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
106-46-7	1,4-Dichlorobenzene	1	0.24	0.12	0.24	1.2	U
75-71-8	Dichlorodifluoromethane	1	0.59	0.17	0.59	1.2	U
75-34-3	1,1-Dichloroethane	1	0.59	0.25	0.59	1.2	U
107-06-2	1,2-Dichloroethane	1	0.59	0.27	0.59	1.2	U
75-35-4	1,1-Dichloroethene	1	0.59	0.36	0.59	1.2	U
156-59-2	cis-1,2-Dichloroethene	1	0.59	0.27	0.59	1.2	U
156-60-5	trans-1,2-Dichloroethene	1	0.59	0.32	0.59	1.2	U
78-87-5	1,2-Dichloropropane	1	0.59	0.20	0.59	1.2	U
142-28-9	1,3-Dichloropropane	1	0.59	0.17	0.59	1.2	U
594-20-7	2,2-Dichloropropane	1	0.59	0.27	0.59	1.2	U
563-58-6	1,1-Dichloropropene	1	0.59	0.33	0.59	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1	0.24	0.13	0.24	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1	0.59	0.14	0.59	1.2	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB04-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-06
File ID: 1409479-06.D
Sampled: 09/25/14 11:10
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 16:44
Solids: 94.38
Preparation: 5035A Low Concentratio
Initial/Final: 4.5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.59	0.22	0.59	1.2	U
87-68-3	Hexachlorobutadiene	1	0.59	0.24	0.59	1.2	U
591-78-6	2-Hexanone	1	0.59	0.57	0.59	5.9	U
98-82-8	Isopropylbenzene	1	0.24	0.13	0.24	1.2	U
99-87-6	4-Isopropyltoluene	1	0.59	0.28	0.59	1.2	U
75-09-2	Methylene Chloride	1	1.2	0.55	1.2	5.9	U
78-93-3	2-Butanone (MEK)	1	5.9	1.3	5.9	5.9	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.59	0.46	0.59	5.9	U
91-20-3	Naphthalene	1	0.59	0.19	0.59	5.9	U
103-65-1	n-Propylbenzene	1	0.59	0.14	0.59	1.2	U
100-42-5	Styrene	1	0.24	0.24	0.24	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.59	0.17	0.59	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.59	0.17	0.59	1.2	U
127-18-4	Tetrachloroethene	1	0.59	0.20	0.59	1.2	U
108-88-3	Toluene	1	0.19	0.12	0.24	1.2	J
87-61-6	1,2,3-Trichlorobenzene	1	0.59	0.34	0.59	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1	0.59	0.20	0.59	1.2	U
71-55-6	1,1,1-Trichloroethane	1	0.59	0.17	0.59	1.2	U
79-00-5	1,1,2-Trichloroethane	1	0.59	0.25	0.59	1.2	U
79-01-6	Trichloroethene	1	0.59	0.28	0.59	1.2	U
75-69-4	Trichlorofluoromethane	1	0.59	0.20	0.59	1.2	U
96-18-4	1,2,3-Trichloropropane	1	0.59	0.27	0.59	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1	0.59	0.13	0.59	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1	0.59	0.23	0.59	1.2	U
75-01-4	Vinyl Chloride	1	0.59	0.24	0.59	1.2	U
179601-23-1	Xylene, Meta + Para	1	0.39	0.17	0.47	2.4	J
95-47-6	Xylene, Ortho	1	0.24	0.13	0.24	1.2	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.0	103	78 - 119	
1,2-Dichloroethane-d4	40.0	42.9	107	71 - 136	
Toluene-d8	40.0	38.9	97	85 - 116	
4-Bromofluorobenzene	40.0	39.4	98	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	495200	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB04-33

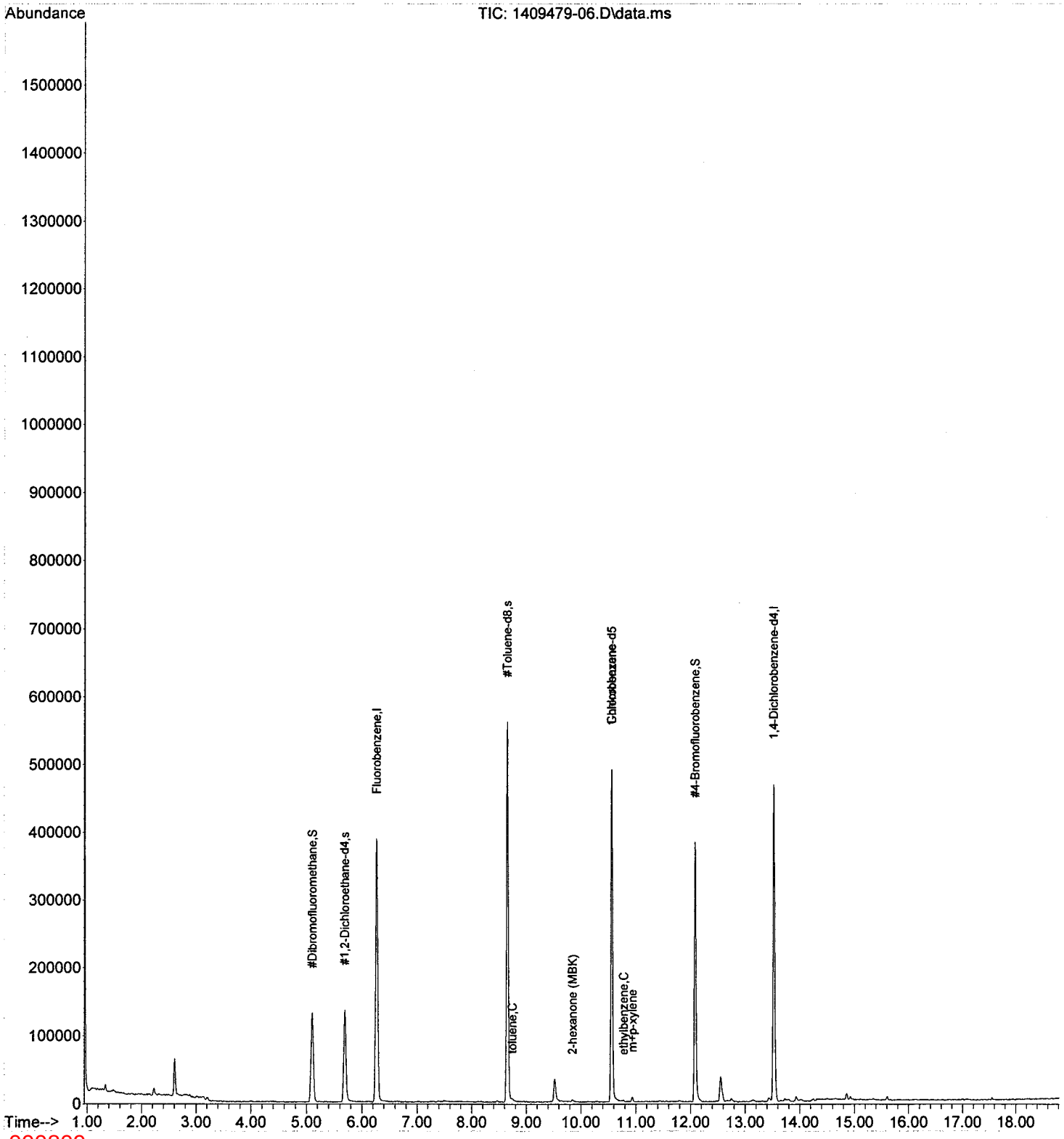
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-06
File ID: 1409479-06.D
Sampled: 09/25/14 11:10
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 16:44
Solids: 94.38
Preparation: 5035A Low Concentratio
Initial/Final: 4.5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	337529	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	161430	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-06.D
Acq On : 01 Oct 2014 16:44
Operator : DLV
Sample : 1409479-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 02 07:01:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-06.D
Acq On : 01 Oct 2014 16:44
Operator : DLV
Sample : 1409479-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 02 07:01:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	495200	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	337529	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	161430	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	127728	41.02	ug/L	0.00
Spiked Amount 40.000			Recovery = 102.55%			
37) #1,2-Dichloroethane-d4	5.689	67	76141	42.87	ug/L	0.00
Spiked Amount 40.000			Recovery = 107.18%			
46) #Toluene-d8	8.654	98	467879	38.91	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.27%			
64) #4-Bromofluorobenzene	12.083	95	166567	39.36	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.40%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.225	43	15352	Below Cal		89
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	33174	Below Cal		96
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

000810

Quantitation Report (Not Reviewed)

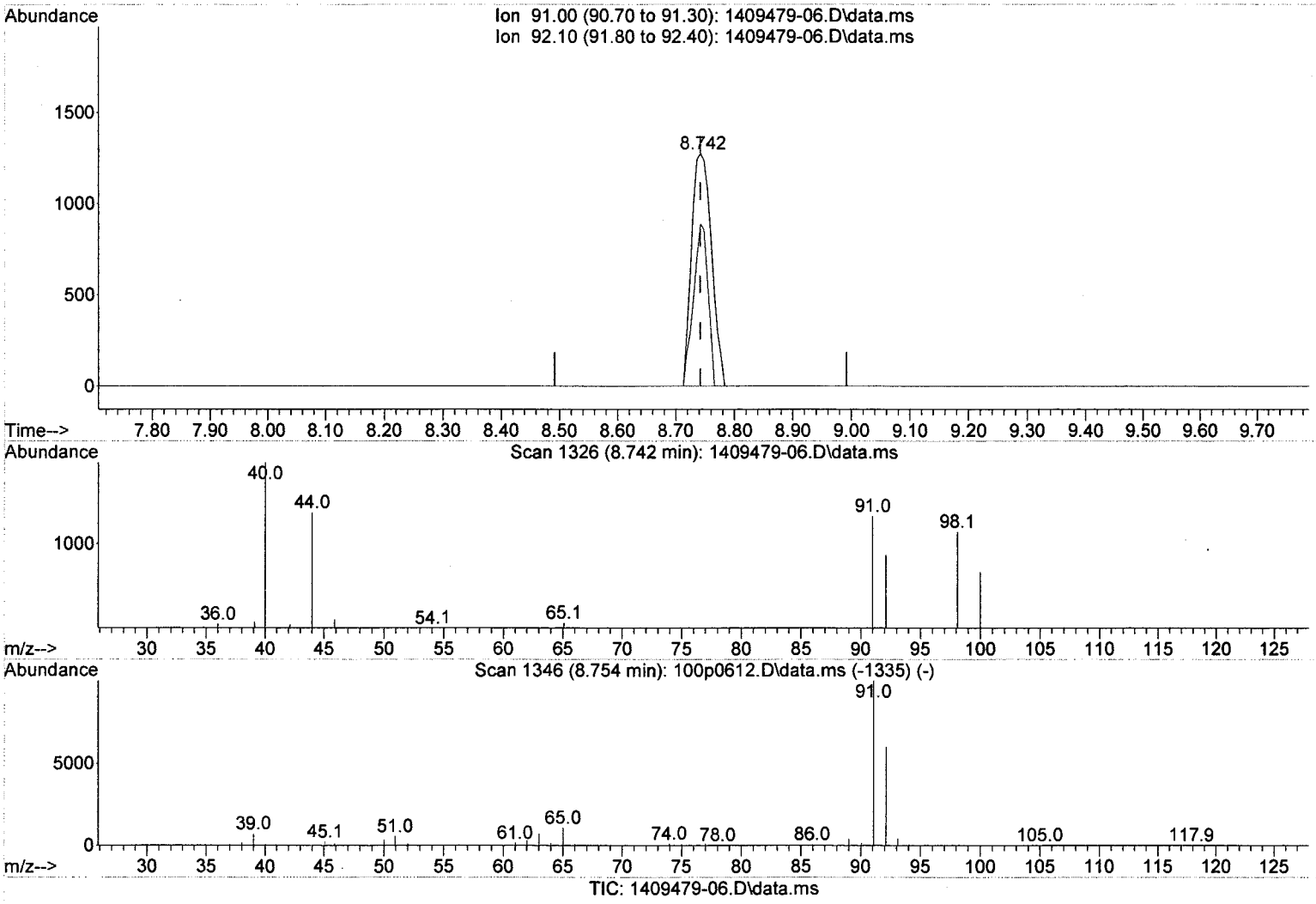
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-06.D
Acq On : 01 Oct 2014 16:44
Operator : DLV
Sample : 1409479-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 02 07:01:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	0.000		0	N.D.			
40) 1,2-dichloropropane	0.000		0	N.D.			
41) dibromomethane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	0.000		0	N.D.			
45) 4-methyl-2-pentanone (...	0.000		0	N.D.			
47) toluene	8.742	91	2988	0.16	ug/L		91
48) trans-1,3-dichloropropene	0.000		0	N.D.			
49) 1,1,2-trichloroethane	0.000		0	N.D.			
51) tetrachloroethene	0.000		0	N.D.			
52) 1,3-dichloropropane	0.000		0	N.D.			
53) 2-hexanone (MBK)	9.848	43	1797	0.64	ug/L	#	39
54) dibromochloromethane	0.000		0	N.D.			
55) 1,2-dibromoethane	0.000		0	N.D.			
56) chlorobenzene	0.000		0	N.D.			
57) 1-chlorohexane	10.560	55	2781	0.63	ug/L	#	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59) ethylbenzene	10.777	91	1747	0.09	ug/L	#	44
60) m+p-xylene	10.936	106	2460	0.33	ug/L		88
61) o-xylene	0.000		0	N.D.			
62) styrene	0.000		0	N.D.			
63) bromoform	0.000		0	N.D.			
66) isopropylbenzene	0.000		0	N.D.			
67) bromobenzene	0.000		0	N.D.			
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69) 1,2,3-trichloropropane	0.000		0	N.D.			
70) 1,4-dichloro-2-butene	0.000		0	N.D.			
71) n-propylbenzene	0.000		0	N.D.			
72) 2-chlorotoluene	0.000		0	N.D.			
73) 1,3,5-trimethylbenzene	0.000		0	N.D.			
74) 4-chlorotoluene	0.000		0	N.D.			
75) tert-butylbenzene	0.000		0	N.D.			
76) 1,2,4-trimethylbenzene	0.000		0	N.D.			
77) sec-butylbenzene	0.000		0	N.D.			
78) 1,3-dichlorobenzene	0.000		0	N.D.			
79) 4-isopropyltoluene	0.000		0	N.D.			
80) 1,4-dichlorobenzene	0.000		0	N.D.			
81) 1,2-dichlorobenzene	0.000		0	N.D.			
82) n-butylbenzene	0.000		0	N.D.			
83) hexachloroethane	0.000		0	N.D.			
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85) 1,2,4-trichlorobenzene	0.000		0	N.D.			
86) hexachlorobutadiene	0.000		0	N.D.			
87) naphthalene	0.000		0	N.D.			
88) 1,2,3-trichlorobenzene	0.000		0	N.D.			
89) 2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-06.D
Acq On : 01 Oct 2014 16:44
Operator : DLV
Sample : 1409479-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 02 07:01:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-06.D\data.ms

(47) toluene (C)

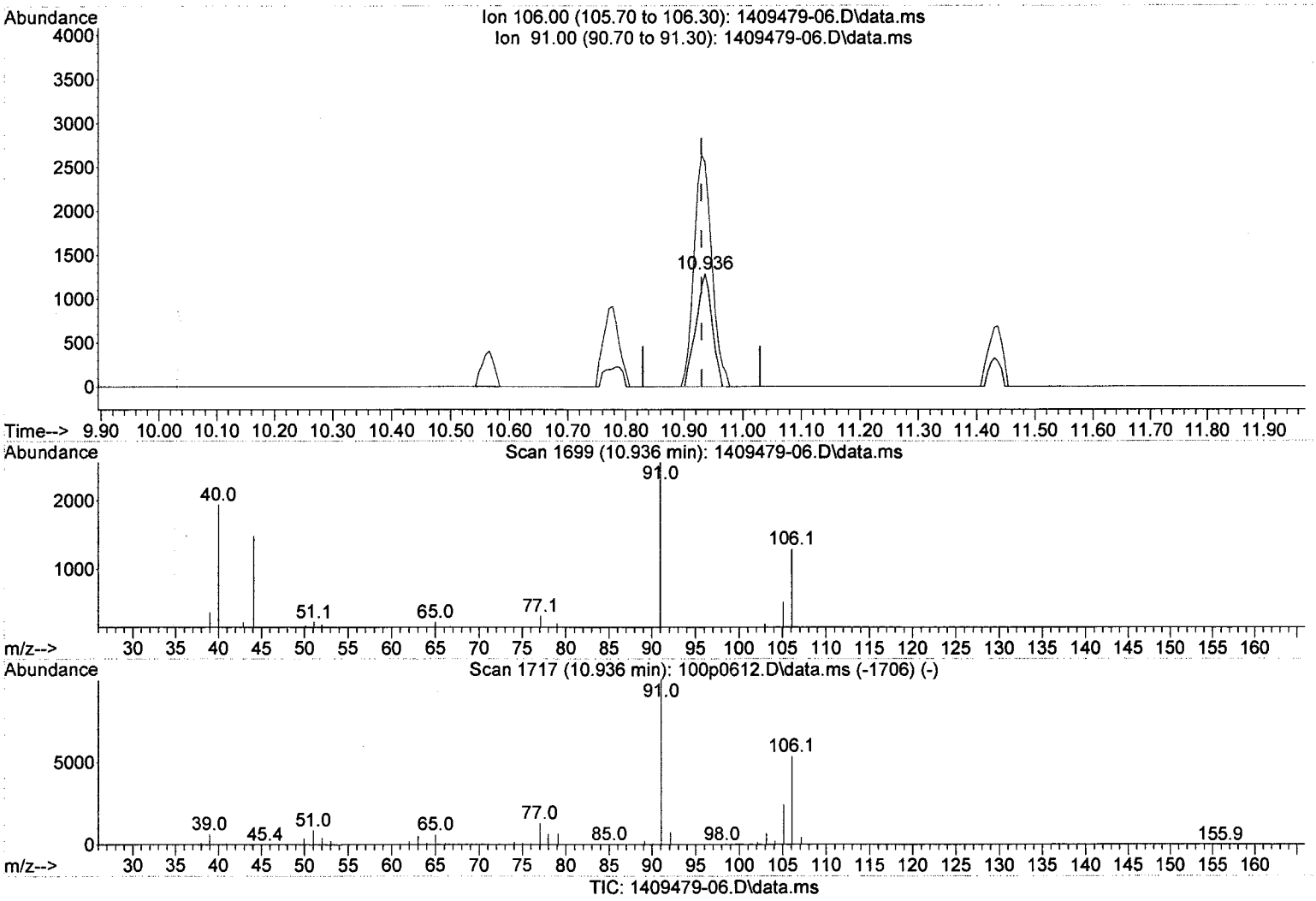
8.742min (+ 0.000) 0.16 ug/L

response 2988

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	50.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-06.D
Acq On : 01 Oct 2014 16:44
Operator : DLV
Sample : 1409479-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 02 07:01:01 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-06.D\data.ms

(60) m+p-xylene

10.936min (+ 0.006) 0.33 ug/L

response 2460

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	226.34
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092514JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1409479-07 File ID: 1409479-07.D

Sampled: 09/25/14 08:00 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 00:40

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	2.4	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092514JC-001

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1409479-07
File ID: 1409479-07.D
Sampled: 09/25/14 08:00
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 00:40
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.5	101	80 - 119	
1,2-Dichloroethane-d4	40.0	41.6	104	81 - 118	
Toluene-d8	40.0	39.4	99	89 - 112	
4-Bromofluorobenzene	40.0	36.5	91	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092514JC-001

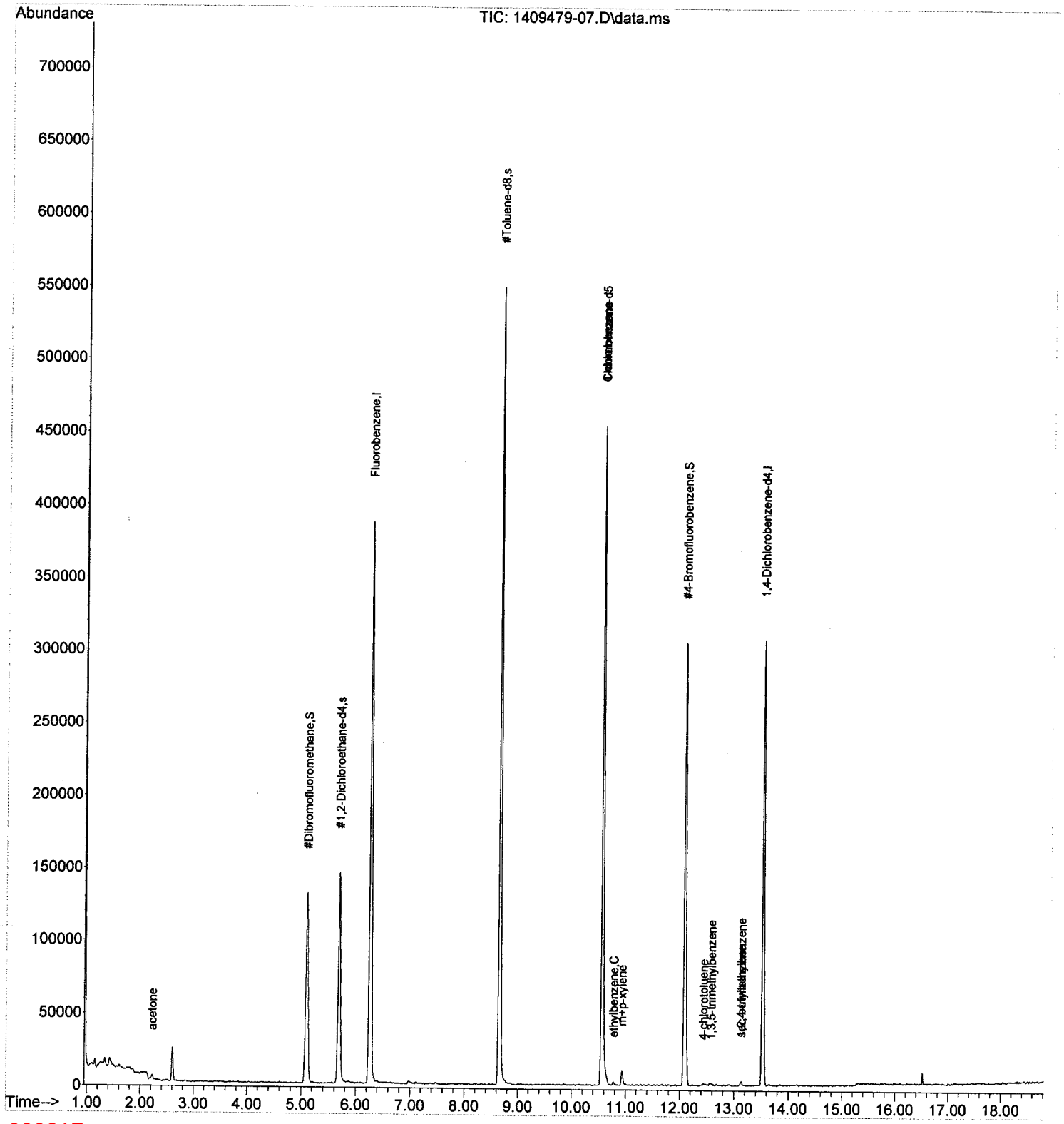
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1409479-07
File ID: 1409479-07.D
Sampled: 09/25/14 08:00
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 00:40
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	487034	6.266	523953	6.266	
Chlorobenzene-d5	330816	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	106742	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-07.D
Acq On : 03 Oct 2014 00:40
Operator : DLV
Sample : 1409479-07
Misc : AECOM
ALS Vial : 39 Sample Multiplier: 1
Quant Time: Oct 04 11:42:57 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



000817

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-07.D
Acq On : 03 Oct 2014 00:40
Operator : DLV
Sample : 1409479-07
Misc : AECOM
ALS Vial : 39 Sample Multiplier: 1
Quant Time: Oct 04 11:42:57 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	487034	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	330816	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	106742	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	130477	40.48	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.20%			
37) #1,2-Dichloroethane-d4	5.683	67	83193	41.57	ug/L	0.00
Spiked Amount 40.000			Recovery = 103.93%			
46) #Toluene-d8	8.654	98	468285	39.45	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.63%			
64) #4-Bromofluorobenzene	12.083	95	150645	36.54	ug/L	0.00
Spiked Amount 40.000			Recovery = 91.35%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	5784	2.44	ug/L	92
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.601	49	13318	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	16720	No Calib		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

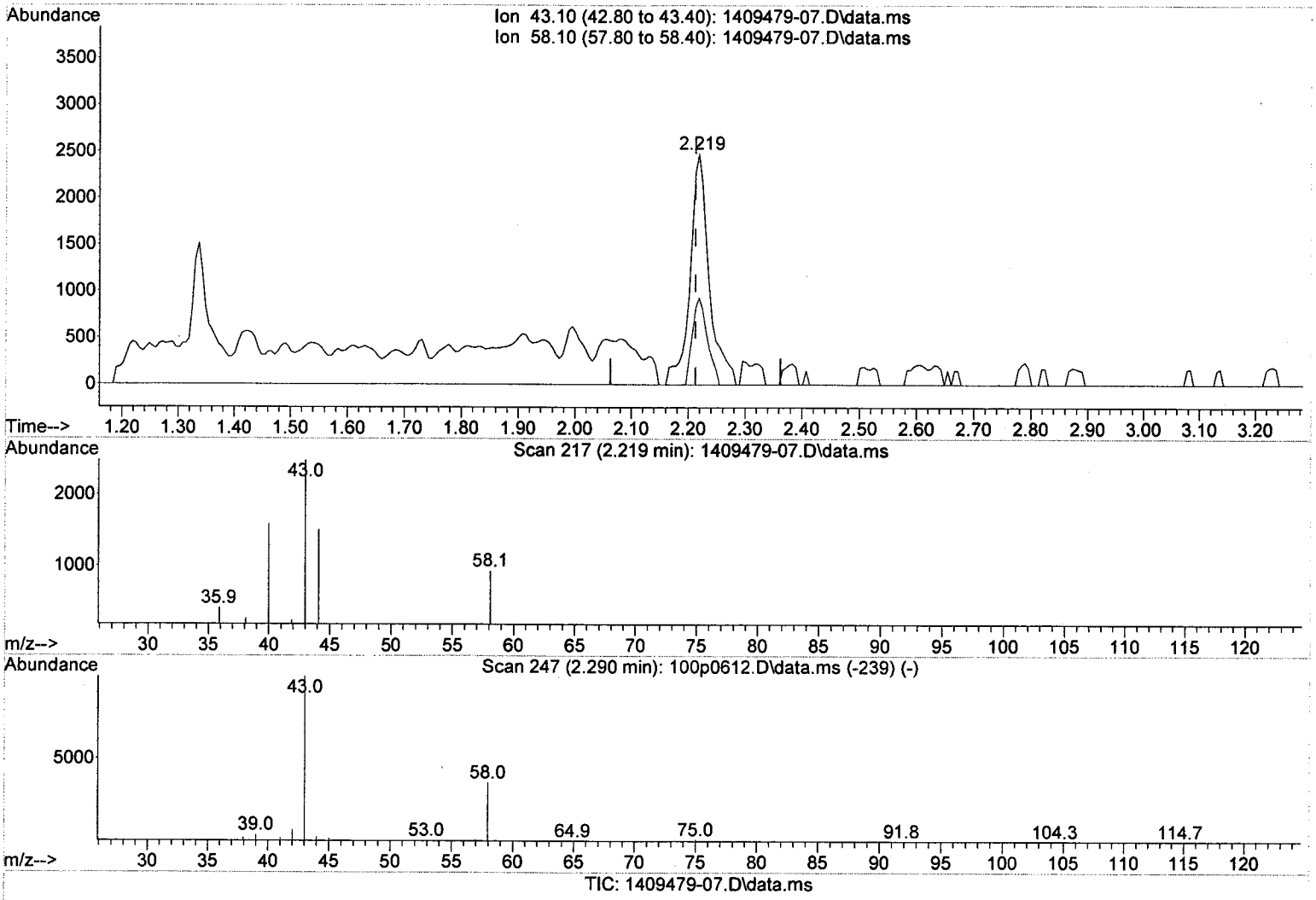
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-07.D
Acq On : 03 Oct 2014 00:40
Operator : DLV
Sample : 1409479-07
Misc : AECOM
ALS Vial : 39 Sample Multiplier: 1
Quant Time: Oct 04 11:42:57 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	0.000		0	N.D.			
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	0.000		0	N.D.			
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.560	55	2914	0.88	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.771	91	2923	0.17	ug/L	#	43
60)	m+p-xylene	10.930	106	3954	co ~~0.64~~	ug/L		99
61)	o-xylene	0.000		0	N.D.			
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	12.583	105	2600	rt ~~0.29~~	ug/L	#	30
74)	4-chlorotoluene	12.436	91	1566	rt ~~0.17~~	ug/L	#	45
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	13.136	105	2796	co ~~0.33~~	ug/L	#	32
77)	sec-butylbenzene	13.136	105	2708	rt ~~0.25~~	ug/L	#	57
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-07.D
Acq On : 03 Oct 2014 00:40
Operator : DLV
Sample : 1409479-07
Misc : AECOM
ALS Vial : 39 Sample Multiplier: 1
Quant Time: Oct 04 11:42:57 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



TIC: 1409479-07.D\data.ms

(13) acetone

2.219min (+ 0.006) 2.44 ug/L

response 5784

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	29.32
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB03-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-08 File ID: 1409479-08.D

Sampled: 09/25/14 11:30 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 17:08

Solids: 97.30 Preparation: 5035A Low Concentratio Initial/Final: 4.8 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	11	4.3	5.1	5.1	
71-43-2	Benzene	1	0.21	0.16	0.51	1.0	J
108-86-1	Bromobenzene	1	0.51	0.14	0.51	1.0	U
74-97-5	Bromochloromethane	1	0.51	0.15	0.51	1.0	U
75-27-4	Bromodichloromethane	1	0.51	0.18	0.51	1.0	U
75-25-2	Bromoform	1	0.51	0.37	0.51	1.0	U
74-83-9	Bromomethane	1	0.51	0.34	0.51	1.0	U
104-51-8	n-Butylbenzene	1	0.51	0.27	0.51	1.0	U
135-98-8	sec-Butylbenzene	1	0.51	0.22	0.51	1.0	U
98-06-6	tert-Butylbenzene	1	0.51	0.17	0.51	1.0	U
75-15-0	Carbon Disulfide	1	1.1	0.24	0.51	1.0	
56-23-5	Carbon Tetrachloride	1	0.51	0.34	0.51	1.0	U
108-90-7	Chlorobenzene	1	0.51	0.15	0.51	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.51	0.15	0.51	1.0	U
74-87-3	Chloromethane	1	0.51	0.26	0.51	1.0	U
95-49-8	2-Chlorotoluene	1	0.51	0.30	0.51	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.1	U
124-48-1	Dibromochloromethane	1	0.51	0.19	0.51	1.0	U
106-93-4	1,2-Dibromoethane	1	0.51	0.16	0.51	1.0	U
74-95-3	Dibromomethane	1	0.51	0.23	0.51	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.096	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.51	0.15	0.51	1.0	U
75-34-3	1,1-Dichloroethane	1	0.51	0.22	0.51	1.0	U
107-06-2	1,2-Dichloroethane	1	0.51	0.23	0.51	1.0	U
75-35-4	1,1-Dichloroethene	1	0.51	0.31	0.51	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.51	0.23	0.51	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.51	0.28	0.51	1.0	U
78-87-5	1,2-Dichloropropane	1	0.51	0.17	0.51	1.0	U
142-28-9	1,3-Dichloropropane	1	0.51	0.15	0.51	1.0	U
594-20-7	2,2-Dichloropropane	1	0.51	0.24	0.51	1.0	U
563-58-6	1,1-Dichloropropene	1	0.51	0.29	0.51	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.51	0.12	0.51	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB03-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-08 File ID: 1409479-08.D

Sampled: 09/25/14 11:30 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 17:08

Solids: 97.30 Preparation: 5035A Low Concentratio Initial/Final: 4.8 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.51	0.19	0.51	1.0	U
87-68-3	Hexachlorobutadiene	1	0.51	0.21	0.51	1.0	U
591-78-6	2-Hexanone	1	0.51	0.49	0.51	5.1	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.51	0.25	0.51	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.1	U
78-93-3	2-Butanone (MEK)	1	5.1	1.1	5.1	5.1	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.51	0.40	0.51	5.1	U
91-20-3	Naphthalene	1	0.51	0.17	0.51	5.1	U
103-65-1	n-Propylbenzene	1	0.51	0.12	0.51	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
127-18-4	Tetrachloroethene	1	11	0.18	0.51	1.0	
108-88-3	Toluene	1	0.42	0.10	0.21	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.51	0.29	0.51	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.51	0.17	0.51	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.51	0.15	0.51	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.51	0.22	0.51	1.0	U
79-01-6	Trichloroethene	1	0.51	0.25	0.51	1.0	U
75-69-4	Trichlorofluoromethane	1	0.51	0.18	0.51	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.51	0.23	0.51	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.27	0.12	0.51	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.51	0.20	0.51	1.0	U
75-01-4	Vinyl Chloride	1	0.51	0.21	0.51	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.58	0.15	0.41	2.1	J
95-47-6	Xylene, Ortho	1	0.25	0.11	0.21	1.0	J

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.3	103	78 - 119	
1,2-Dichloroethane-d4	40.0	44.1	110	71 - 136	
Toluene-d8	40.0	39.8	99	85 - 116	
4-Bromofluorobenzene	40.0	39.3	98	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	463534	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB03-12

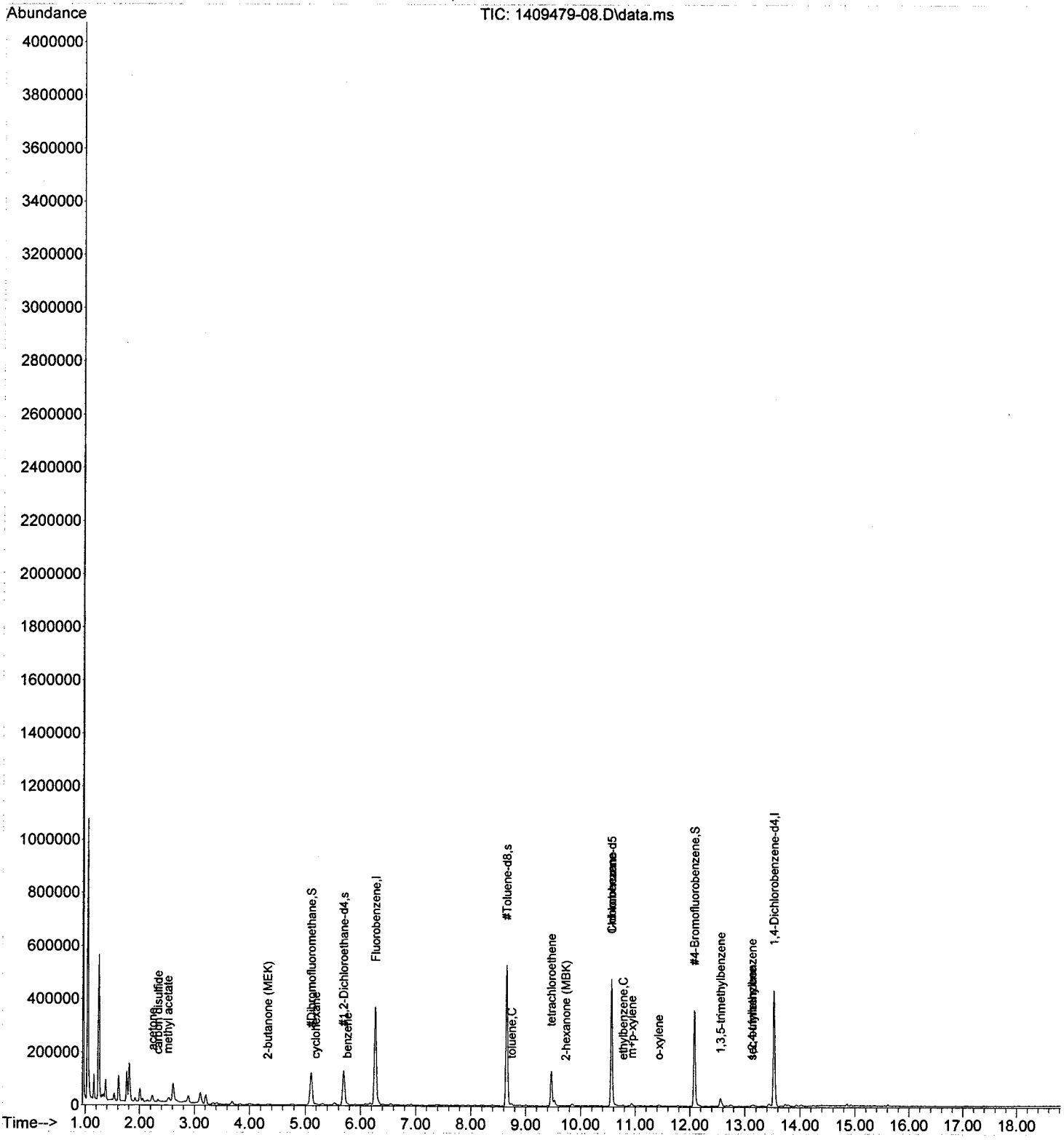
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-08
File ID: 1409479-08.D
Sampled: 09/25/14 11:30
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 17:08
Solids: 97.30
Preparation: 5035A Low Concentratio
Initial/Final: 4.8 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	322669	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	148267	13.524	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-08.D
Acq On : 01 Oct 2014 17:08
Operator : DLV
Sample : 1409479-08
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 02 07:01:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-08.D
Acq On : 01 Oct 2014 17:08
Operator : DLV
Sample : 1409479-08
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 02 07:01:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	463534	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	322669	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	148267	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	120433	41.32	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.30%				
37) #1,2-Dichloroethane-d4	5.689	67	73339	44.11	ug/L		0.00
Spiked Amount 40.000			Recovery = 110.27%				
46) #Toluene-d8	8.654	98	447833	39.79	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.48%				
64) #4-Bromofluorobenzene	12.083	95	158954	39.30	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.25%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	34230	10.21	ug/L		99
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	10948	1.03	ug/L	#	74
16) methyl acetate	2.513	43	4108	1.33	ug/L	#	60
17) methylene chloride	2.607	49	37120	Below Cal			98
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	7471	0.53	ug/L	#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	5.189	56	1766	0.25	ug/L	#	18
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.760	78	3320	0.20	ug/L	#	65
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

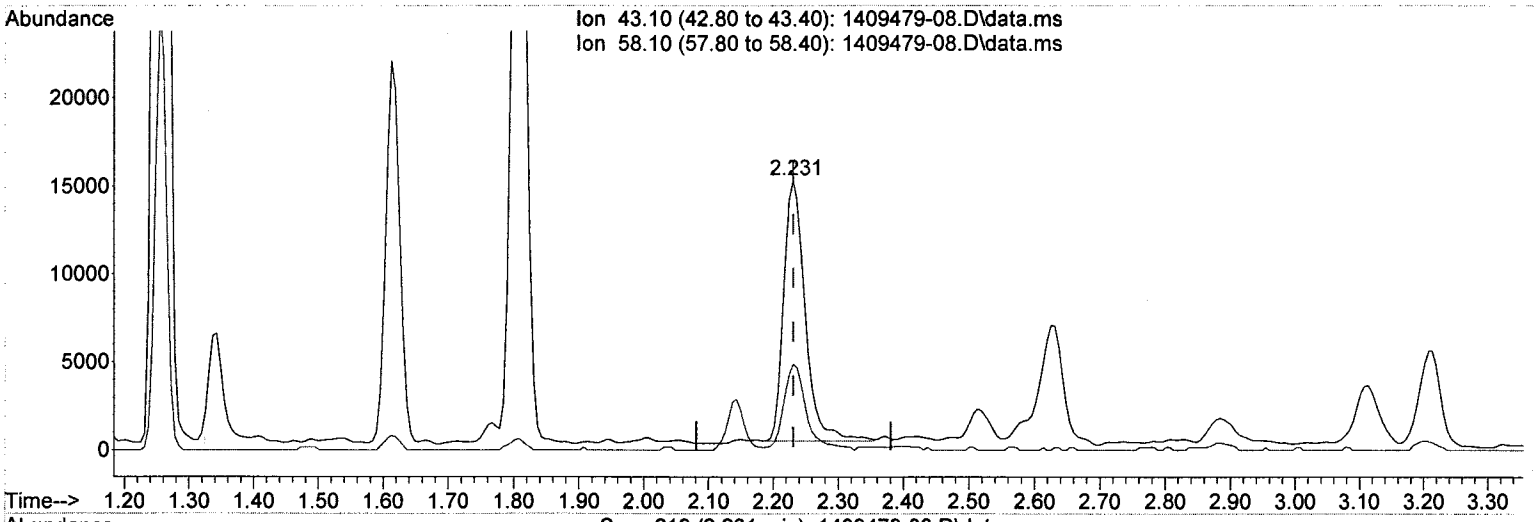
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-08.D
Acq On : 01 Oct 2014 17:08
Operator : DLV
Sample : 1409479-08
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 02 07:01:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

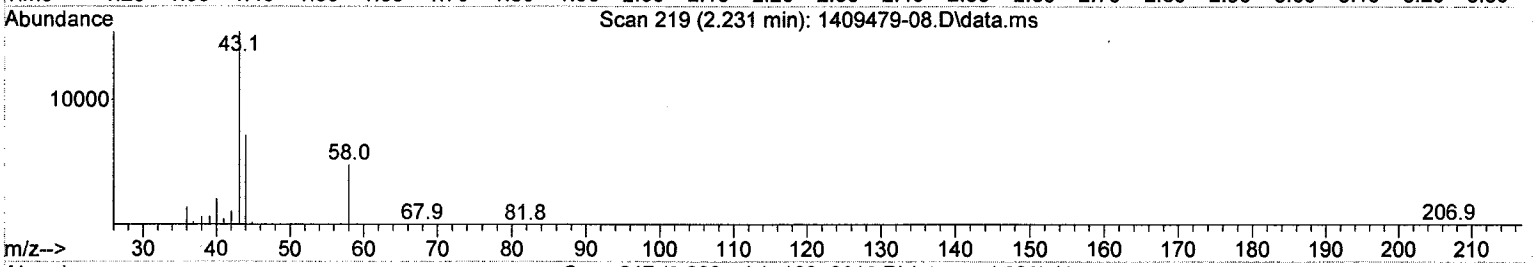
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	0.000		0	N.D.			
40) 1,2-dichloropropane	0.000		0	N.D.			
41) dibromomethane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	0.000		0	N.D.			
45) 4-methyl-2-pentanone (...	0.000		0	N.D.			
47) toluene	8.742	91	6692	0.39	ug/L		94
48) trans-1,3-dichloropropene	0.000		0	N.D.			
49) 1,1,2-trichloroethane	0.000		0	N.D.			
51) tetrachloroethene	9.466	166	45629	10.37	ug/L		98
52) 1,3-dichloropropane	0.000		0	N.D.			
53) 2-hexanone (MBK)	9.730	43	1501	0.56	ug/L	#	39
54) dibromochloromethane	0.000		0	N.D.			
55) 1,2-dibromoethane	0.000		0	N.D.			
56) chlorobenzene	0.000		0	N.D.			
57) 1-chlorohexane	10.566	55	3177	0.75	ug/L	#	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59) ethylbenzene	10.777	91	2994	0.16	ug/L	#	44
60) m+p-xylene	10.936	106	3780	0.54	ug/L		95
61) o-xylene	11.430	106	1547	0.23	ug/L		100
62) styrene	0.000		0	N.D.			
63) bromoform	0.000		0	N.D.			
66) isopropylbenzene	0.000		0	N.D.			
67) bromobenzene	0.000		0	N.D.			
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69) 1,2,3-trichloropropane	0.000		0	N.D.			
70) 1,4-dichloro-2-butene	0.000		0	N.D.			
71) n-propylbenzene	0.000		0	N.D.			
72) 2-chlorotoluene	0.000		0	N.D.			
73) 1,3,5-trimethylbenzene	12.560	105	1933	0.14	ug/L	#	29
74) 4-chlorotoluene	0.000		0	N.D.			
75) tert-butylbenzene	0.000		0	N.D.			
76) 1,2,4-trimethylbenzene	13.130	105	3480	0.25	ug/L	#	32
77) sec-butylbenzene	13.130	105	3287	0.18	ug/L	#	57
78) 1,3-dichlorobenzene	0.000		0	N.D.			
79) 4-isopropyltoluene	0.000		0	N.D.			
80) 1,4-dichlorobenzene	0.000		0	N.D.			
81) 1,2-dichlorobenzene	0.000		0	N.D.			
82) n-butylbenzene	0.000		0	N.D.			
83) hexachloroethane	0.000		0	N.D.			
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85) 1,2,4-trichlorobenzene	0.000		0	N.D.			
86) hexachlorobutadiene	0.000		0	N.D.			
87) naphthalene	0.000		0	N.D.			
88) 1,2,3-trichlorobenzene	0.000		0	N.D.			
89) 2-methylnaphthalene	0.000		0	N.D.			

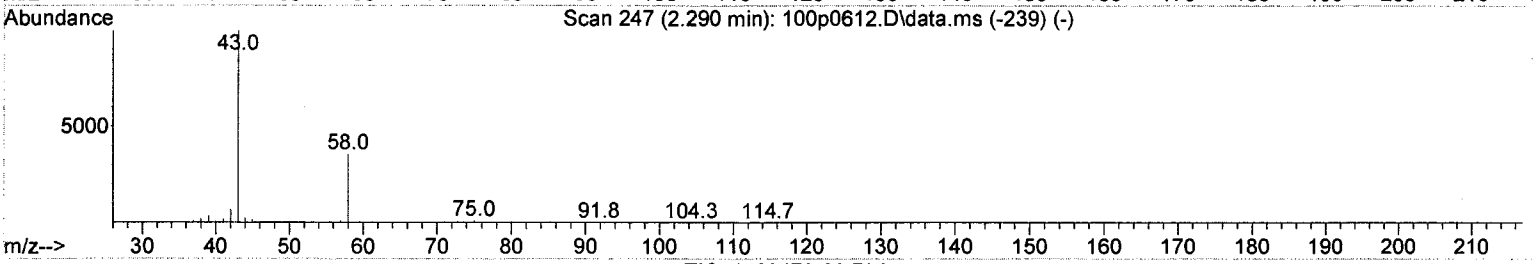
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-08.D
Acq On : 01 Oct 2014 17:08
Operator : DLV
Sample : 1409479-08
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 02 07:01:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-08.D\data.ms

(13) acetone

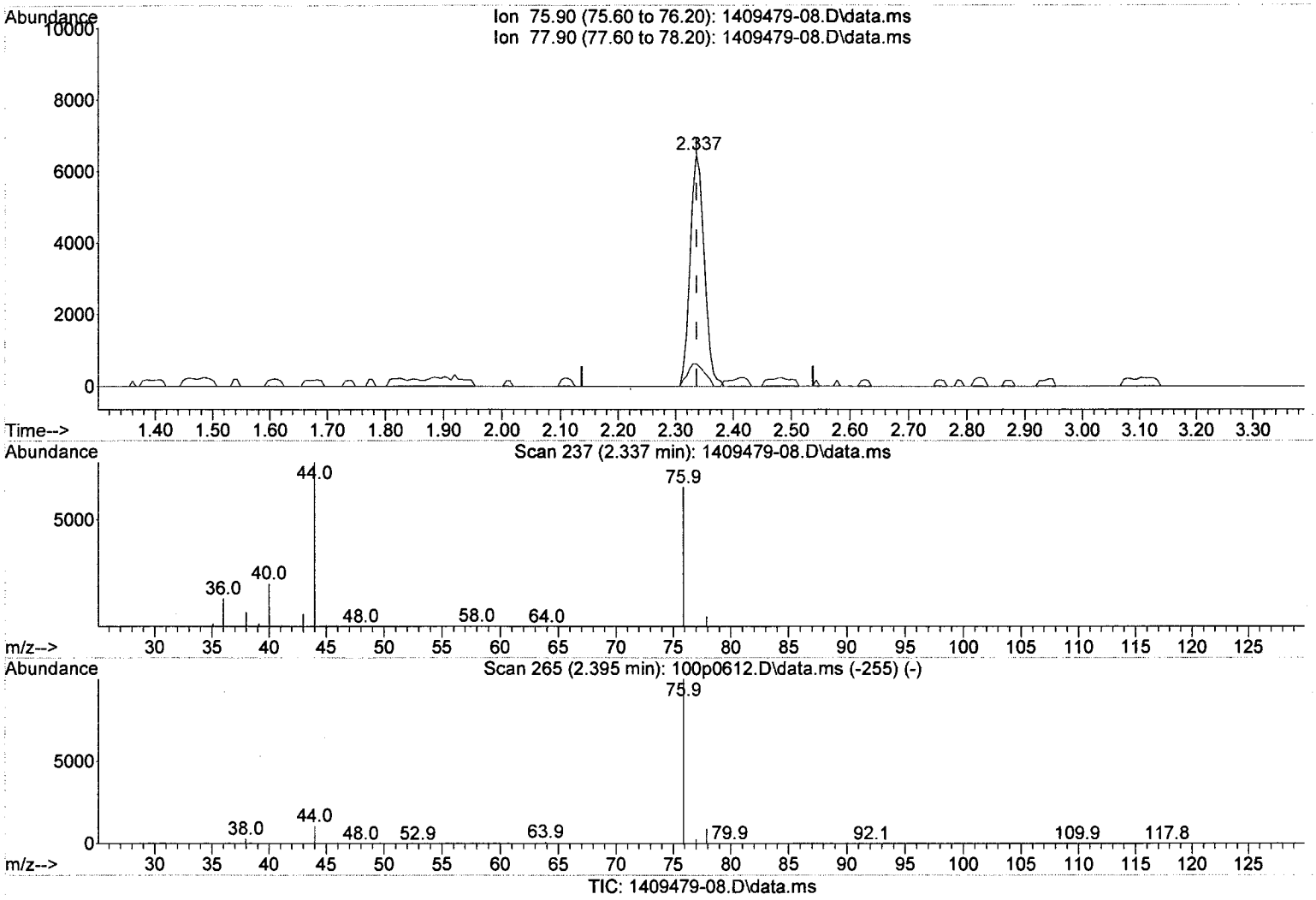
2.231min (-0.000) 10.21 ug/L

response 34230

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	34.68
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-08.D
Acq On : 01 Oct 2014 17:08
Operator : DLV
Sample : 1409479-08
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 02 07:01:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-08.D\data.ms

(15) carbon disulfide

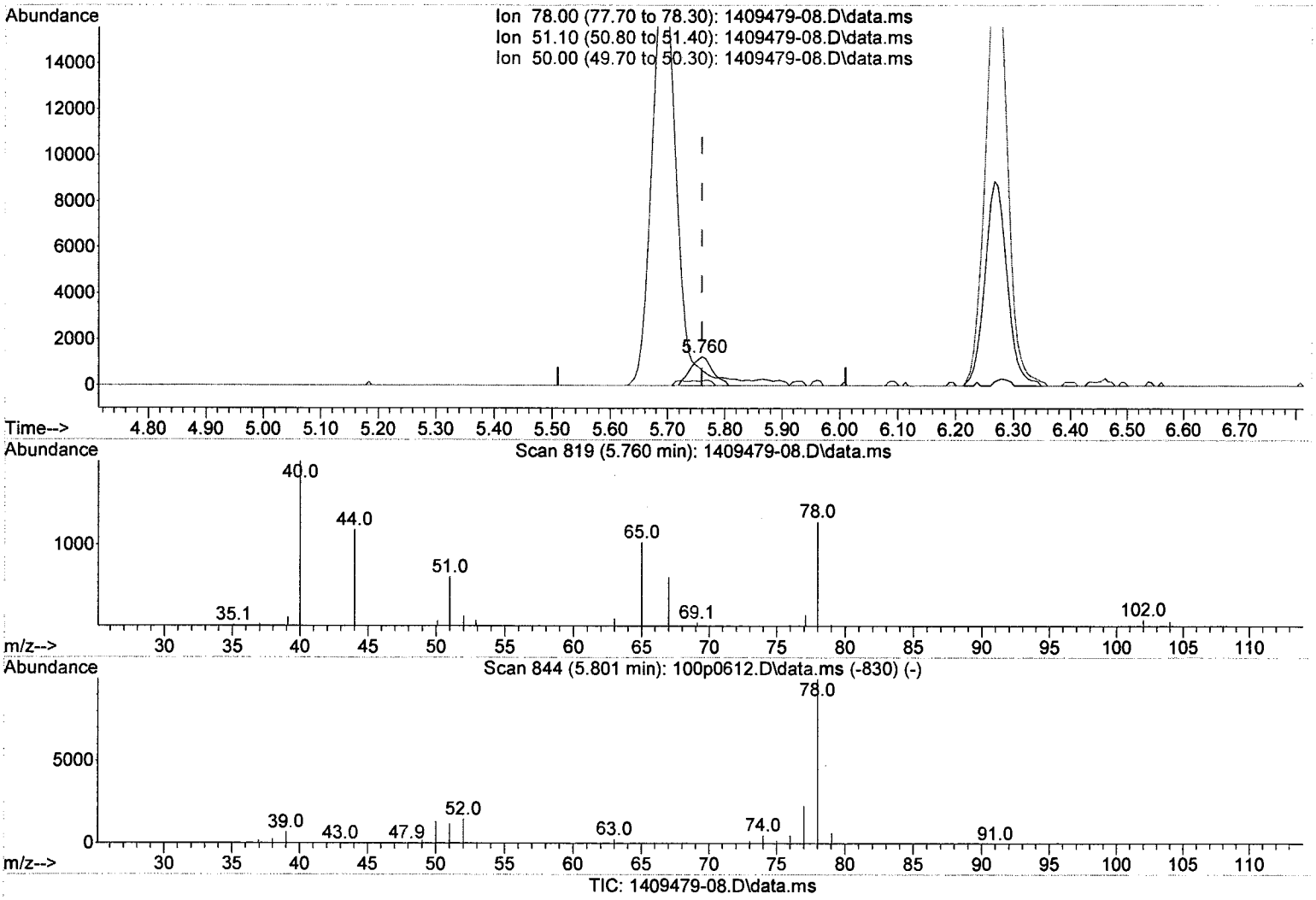
2.337min (-0.000) 1.03 ug/L

response 10948

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-08.D
Acq On : 01 Oct 2014 17:08
Operator : DLV
Sample : 1409479-08
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 02 07:01:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-08.D\data.ms

(34) benzene

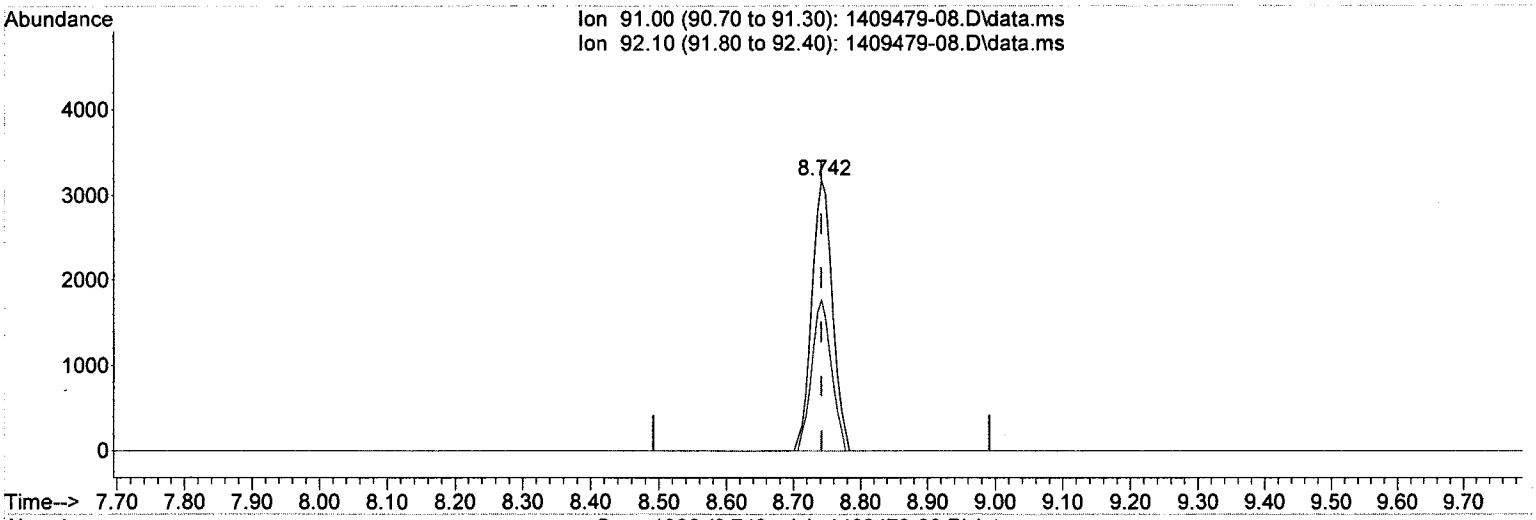
5.760min (-0.000) 0.20 ug/L

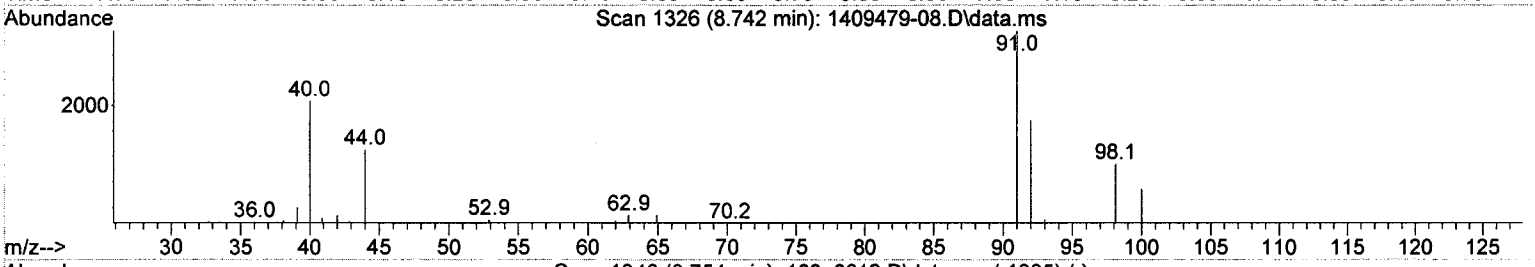
response 3320

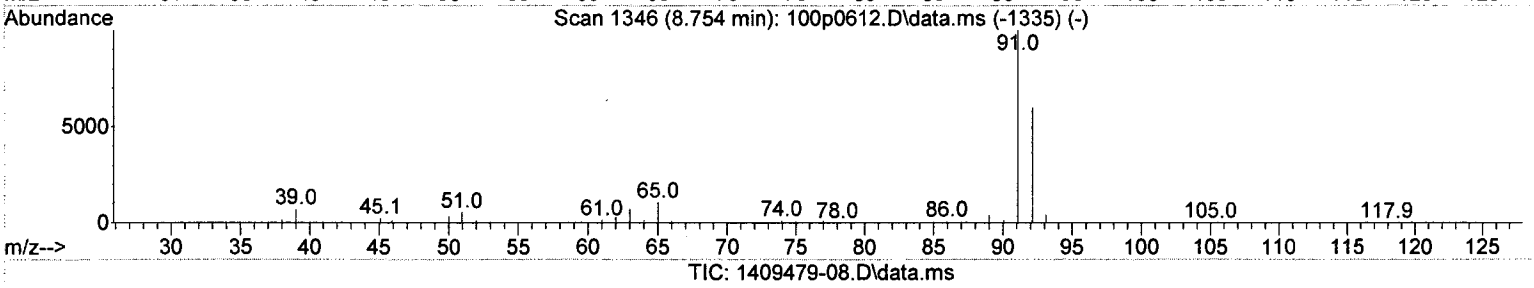
Ion	Exp%	Act%
78.00	100.00	100.00
51.10	13.10	0.00
50.00	15.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-08.D
Acq On : 01 Oct 2014 17:08
Operator : DLV
Sample : 1409479-08
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 02 07:01:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-08.D\data.ms

(47) toluene (C)

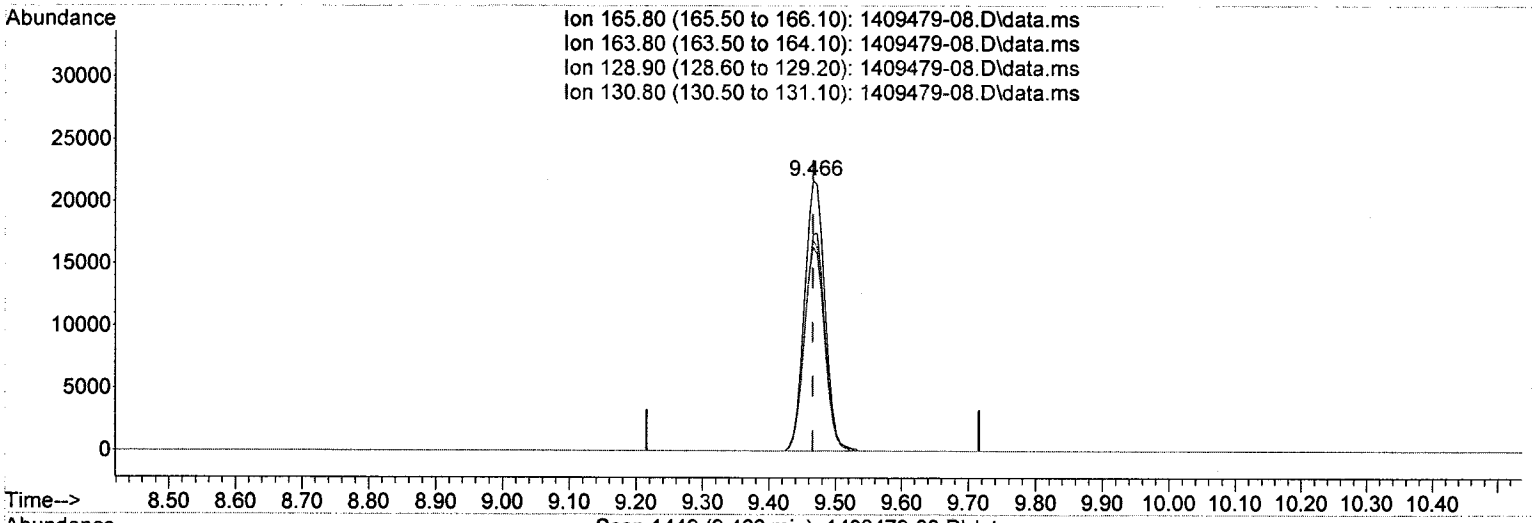
8.742min (+ 0.000) 0.39 ug/L

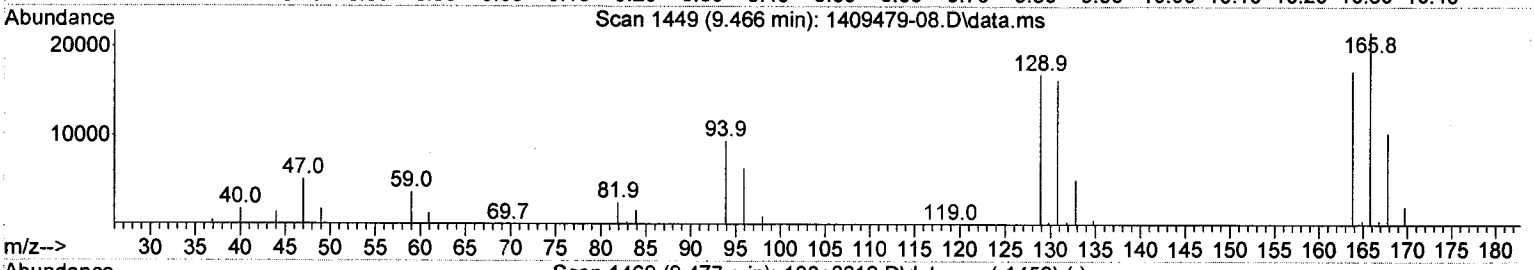
response 6692

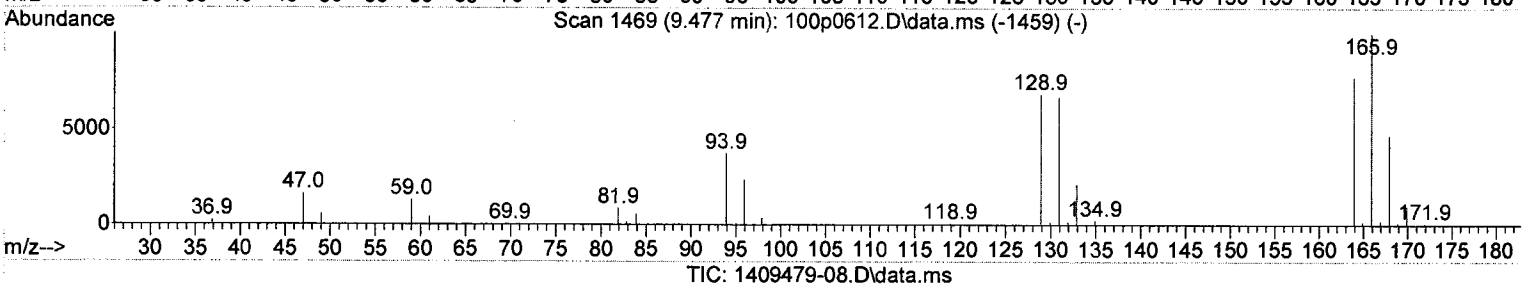
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	53.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-08.D
Acq On : 01 Oct 2014 17:08
Operator : DLV
Sample : 1409479-08
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 02 07:01:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-08.D\data.ms

(51) tetrachloroethene

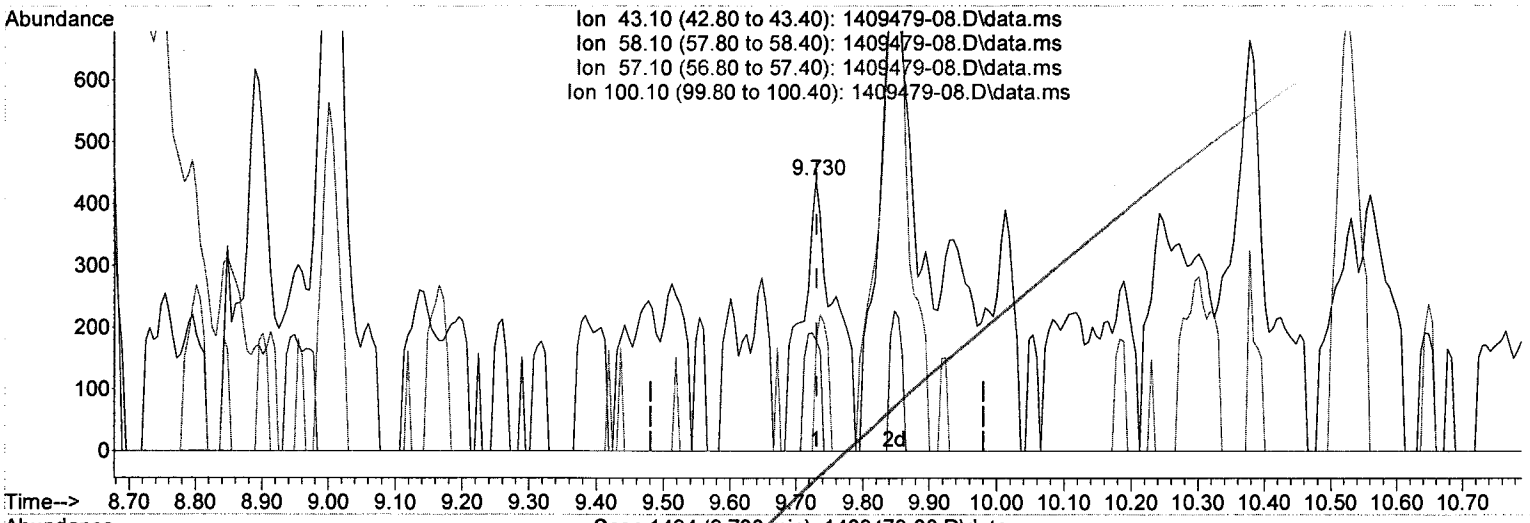
9.466min (-0.000) 10.37 ug/L

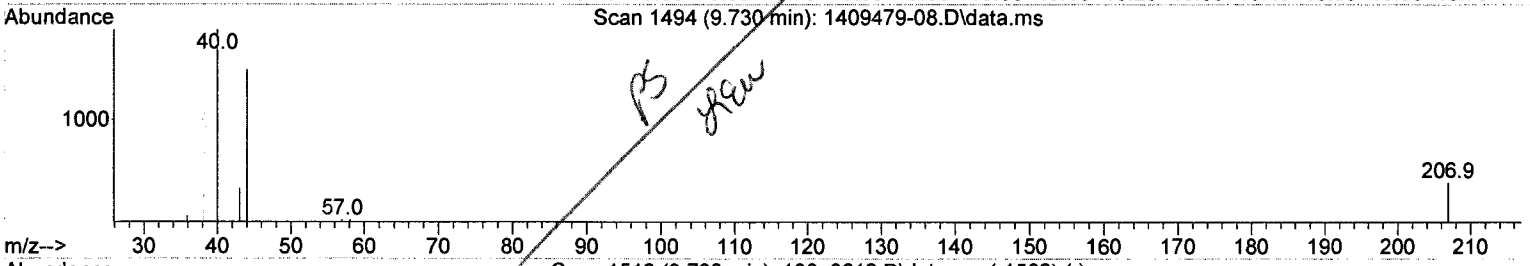
response 45629

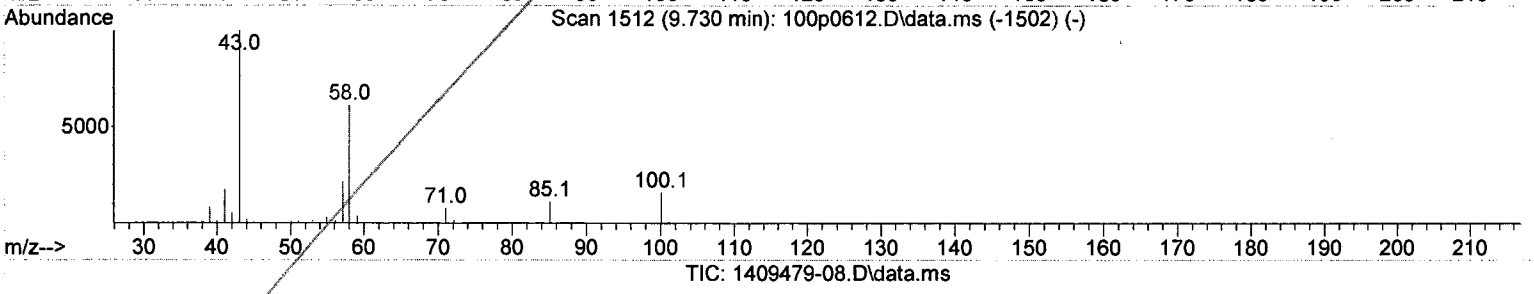
Ion	Exp%	Act%
165.80	100.00	100.00
163.80	79.10	79.27
128.90	74.40	77.35
130.80	71.60	74.27

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-08.D
Acq On : 01 Oct 2014 17:08
Operator : DLV
Sample : 1409479-08
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 02 07:01:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-08.D\data.ms

(53) 2-hexanone (MBK)

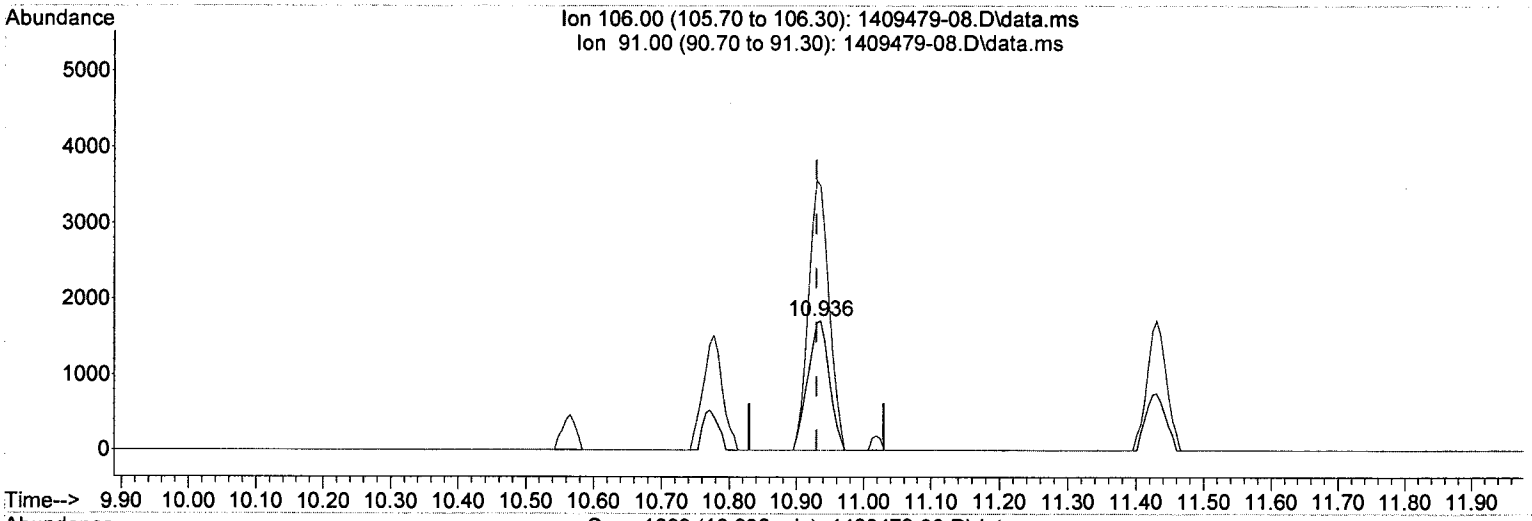
9.730min (-0.001) 0.56 ug/L

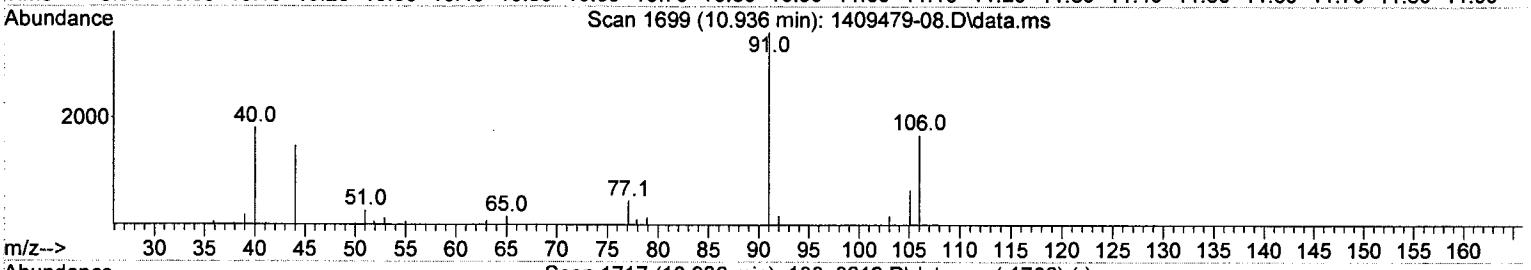
response 1501

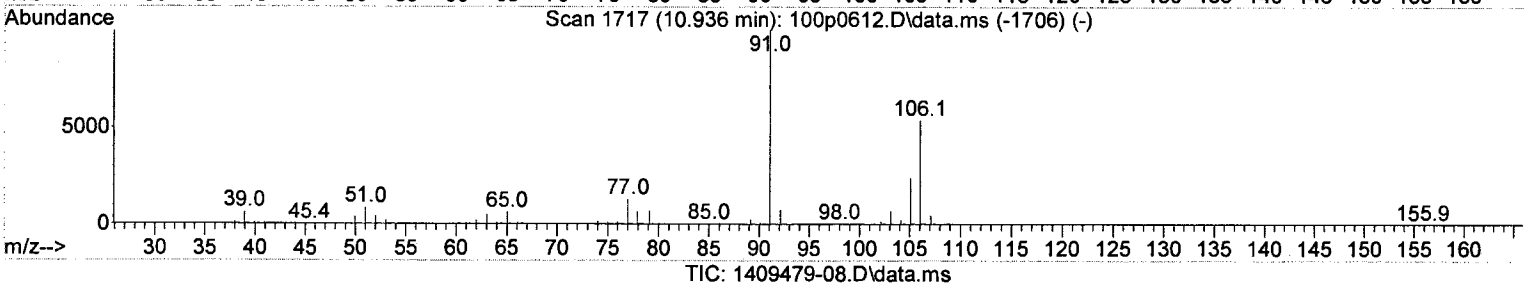
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	53.20	0.00#
57.10	18.90	0.00
100.10	10.50	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-08.D
Acq On : 01 Oct 2014 17:08
Operator : DLV
Sample : 1409479-08
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 02 07:01:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-08.D\data.ms

(60) m+p-xylene

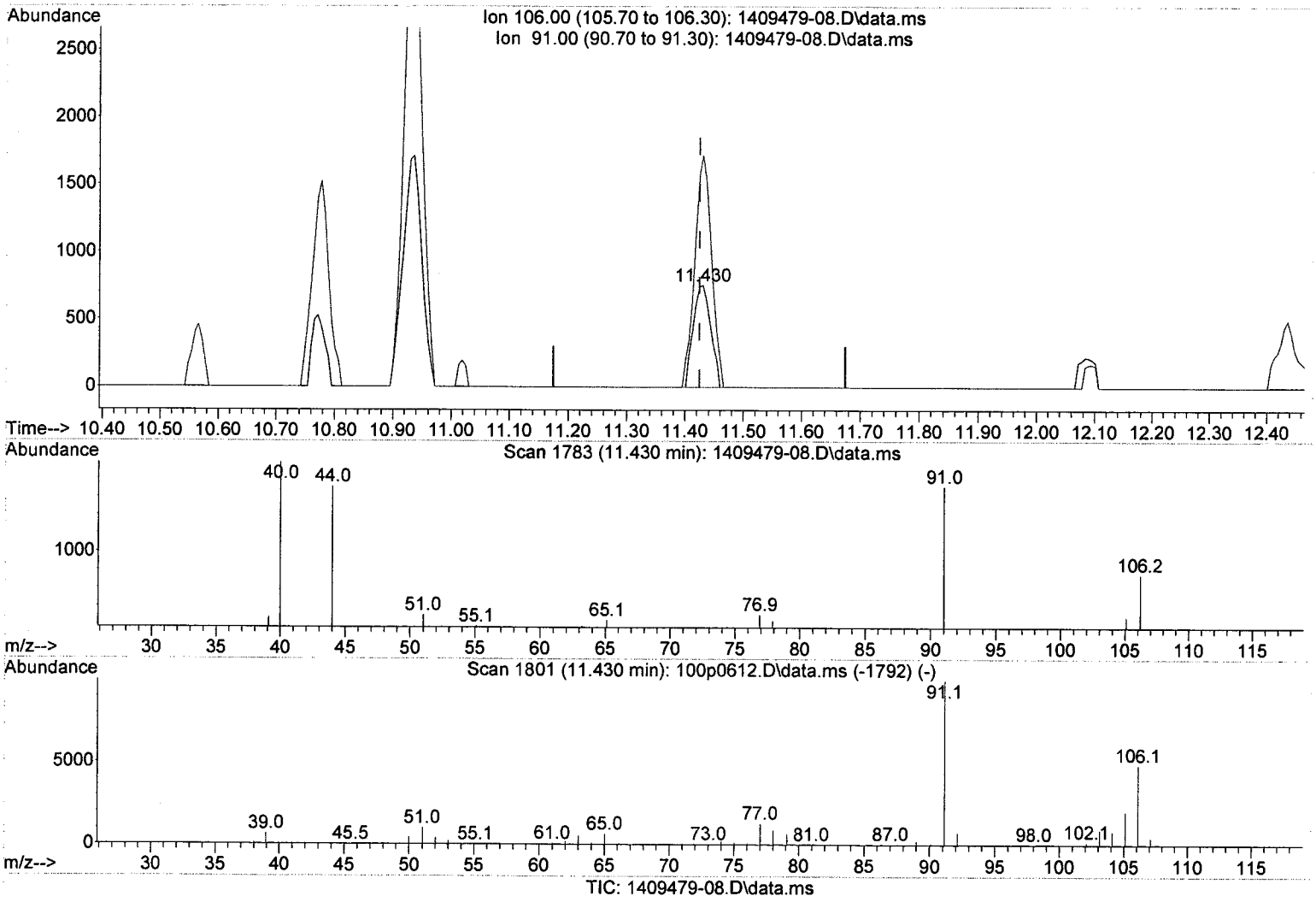
10.936min (+ 0.006) 0.54 ug/L

response 3780

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	199.02
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-08.D
Acq On : 01 Oct 2014 17:08
Operator : DLV
Sample : 1409479-08
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 02 07:01:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-08.D\data.ms

(61) o-xylene

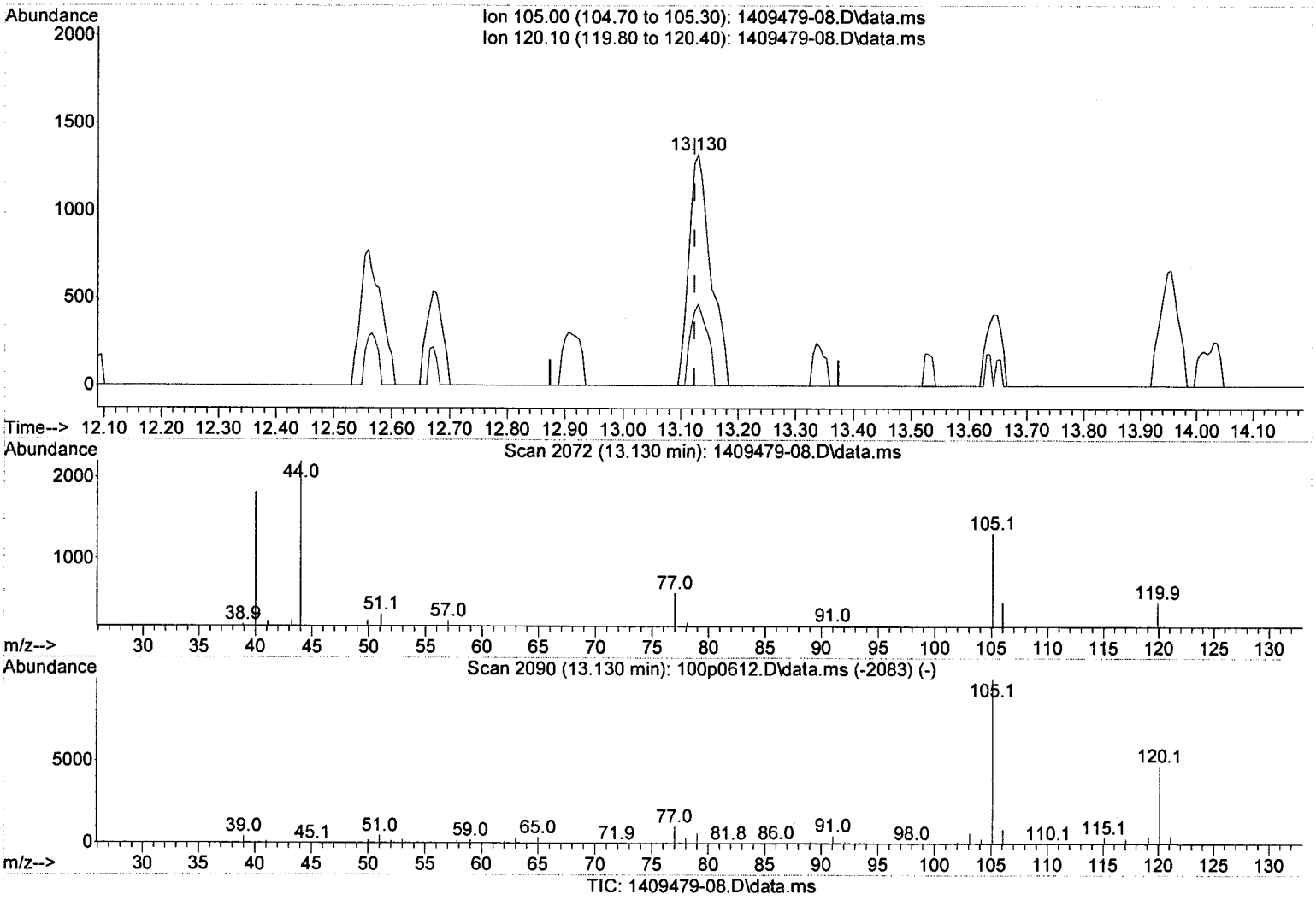
11.430min (+ 0.005) 0.23 ug/L

response 1547

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.00	219.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-08.D
Acq On : 01 Oct 2014 17:08
Operator : DLV
Sample : 1409479-08
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 02 07:01:04 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.25 ug/L

response 3480

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW02-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-09 File ID: 1409479-09.D

Sampled: 09/25/14 10:15 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 01:06

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	3.5	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW02-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-09 File ID: 1409479-09.D

Sampled: 09/25/14 10:15 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 01:06

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	39.5	99	80 - 119	
1,2-Dichloroethane-d4	40.0	41.9	105	81 - 118	
Toluene-d8	40.0	39.2	98	89 - 112	
4-Bromofluorobenzene	40.0	36.7	92	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW02-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-09 File ID: 1409479-09.D

Sampled: 09/25/14 10:15 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 01:06

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

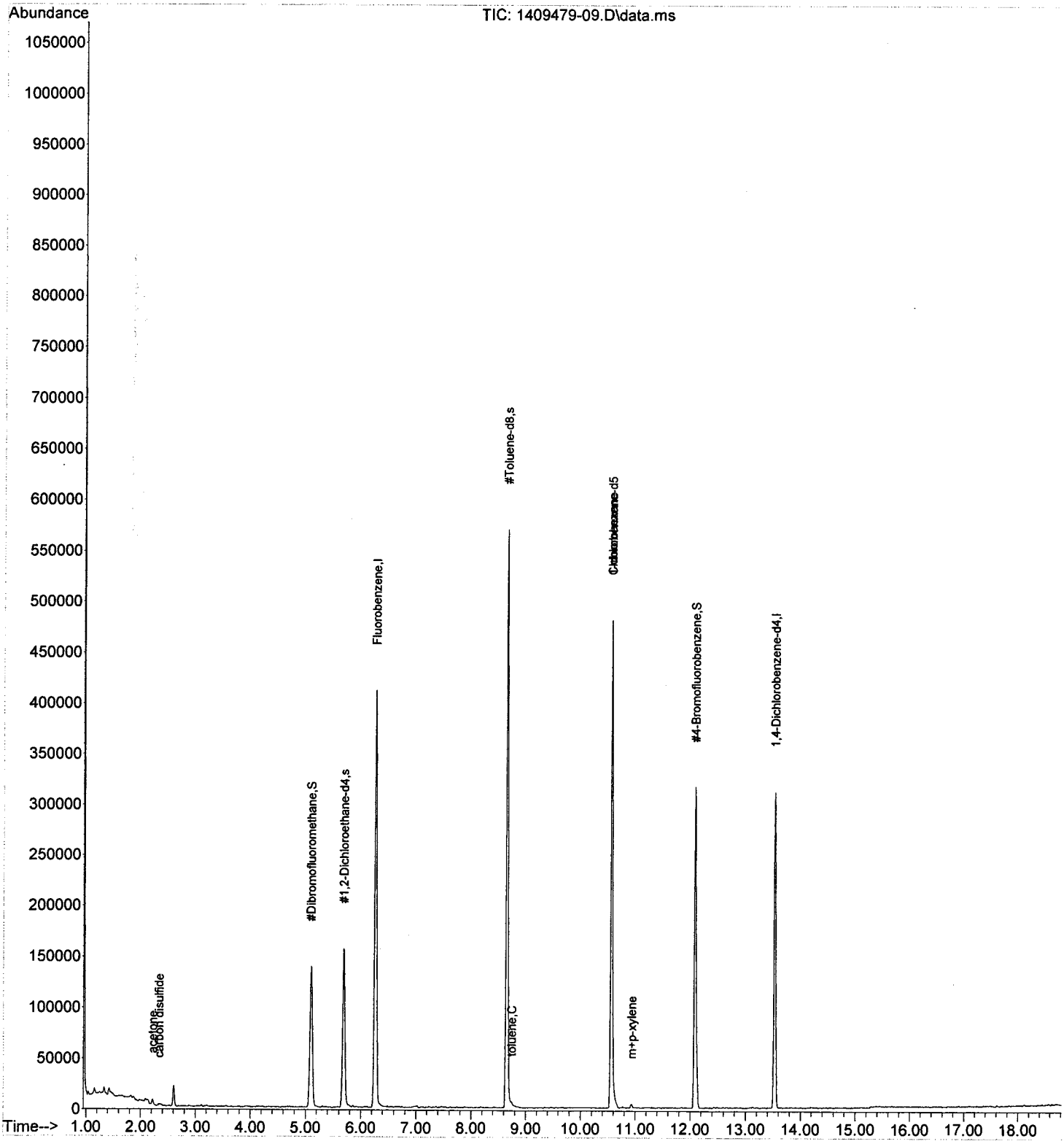
QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	517170	6.266	523953	6.266	
Chlorobenzene-d5	347034	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	112242	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-09.D
Acq On : 03 Oct 2014 01:06
Operator : DLV
Sample : 1409479-09
Misc : AECOM
ALS Vial : 40 Sample Multiplier: 1
Quant Time: Oct 04 11:43:00 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-09.D
Acq On : 03 Oct 2014 01:06
Operator : DLV
Sample : 1409479-09
Misc : AECOM
ALS Vial : 40 Sample Multiplier: 1
Quant Time: Oct 04 11:43:00 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	517170	40.00 ug/L		0.00
50) Chlorobenzene-d5	10.560	117	347034	40.00 ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	112242	40.00 ug/L	#	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.096	111	135057	39.46 ug/L		0.00
Spiked Amount 40.000			Recovery = 98.65%			
37) #1,2-Dichloroethane-d4	5.684	67	88945	41.86 ug/L		0.00
Spiked Amount 40.000			Recovery = 104.65%			
46) #Toluene-d8	8.654	98	494330	39.22 ug/L		0.00
Spiked Amount 40.000			Recovery = 98.05%			
64) #4-Bromofluorobenzene	12.083	95	158677	36.69 ug/L		0.00
Spiked Amount 40.000			Recovery = 91.72%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	7836	✓ 3.47 ug/L		91
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.337	76	2059	0.23 ug/L	#	74
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.602	49	11254	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	17935	No Calib		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

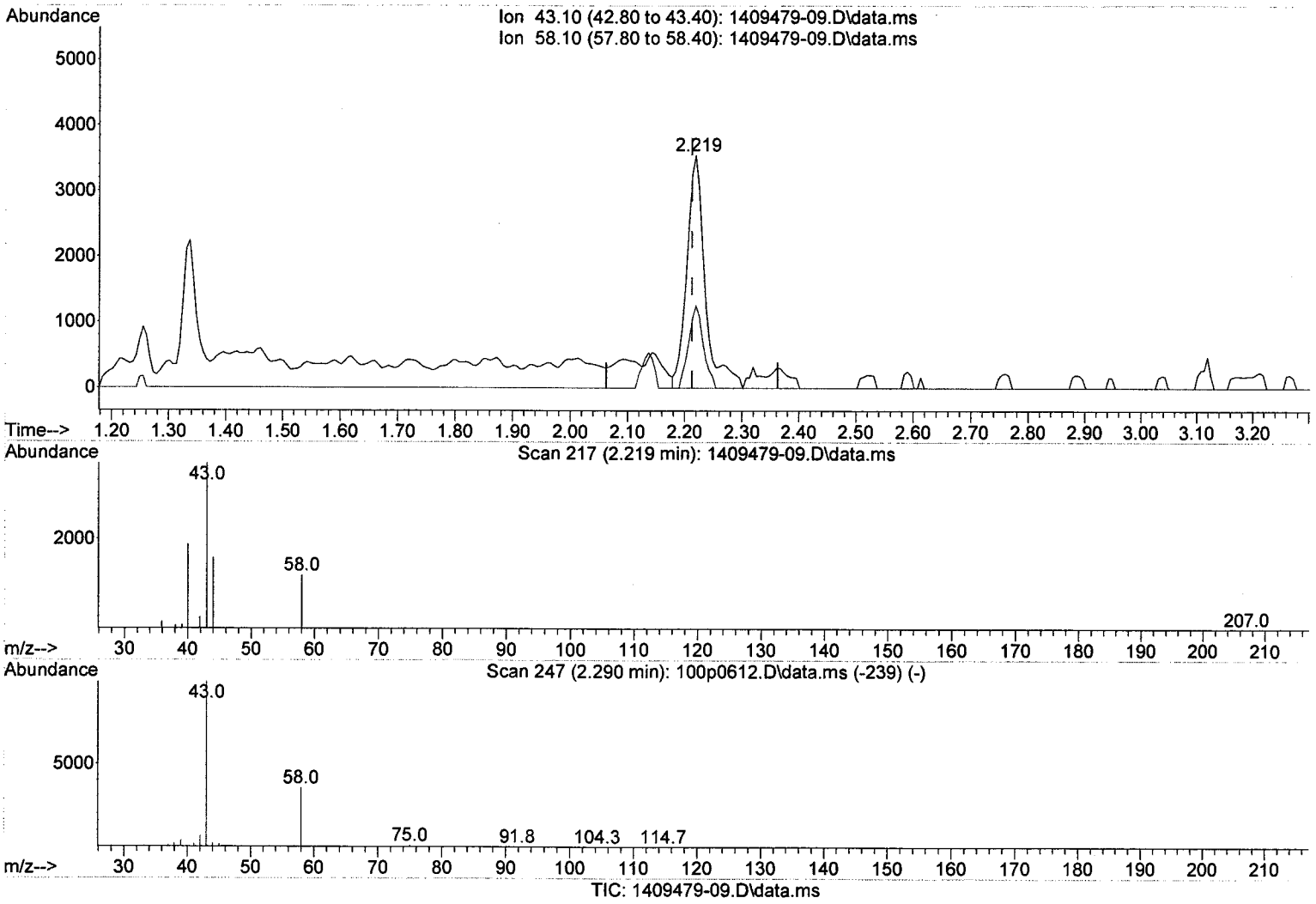
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-09.D
Acq On : 03 Oct 2014 01:06
Operator : DLV
Sample : 1409479-09
Misc : AECOM
ALS Vial : 40 Sample Multiplier: 1
Quant Time: Oct 04 11:43:00 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.742	91	1444	0.08	ug/L	#	23
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	0.000		0	N.D.			
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.560	55	3003	0.86	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	0.000		0	N.D.			
60)	m+p-xylene	10.936	106	1721	~~0.27~~	ug/L		98
61)	o-xylene	0.000		0	N.D.			
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	0.000		0	N.D.			
77)	sec-butylbenzene	0.000		0	N.D.			
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-09.D
Acq On : 03 Oct 2014 01:06
Operator : DLV
Sample : 1409479-09
Misc : AECOM
ALS Vial : 40 Sample Multiplier: 1
Quant Time: Oct 03 06:47:55 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409479-09.D\data.ms

(13) acetone

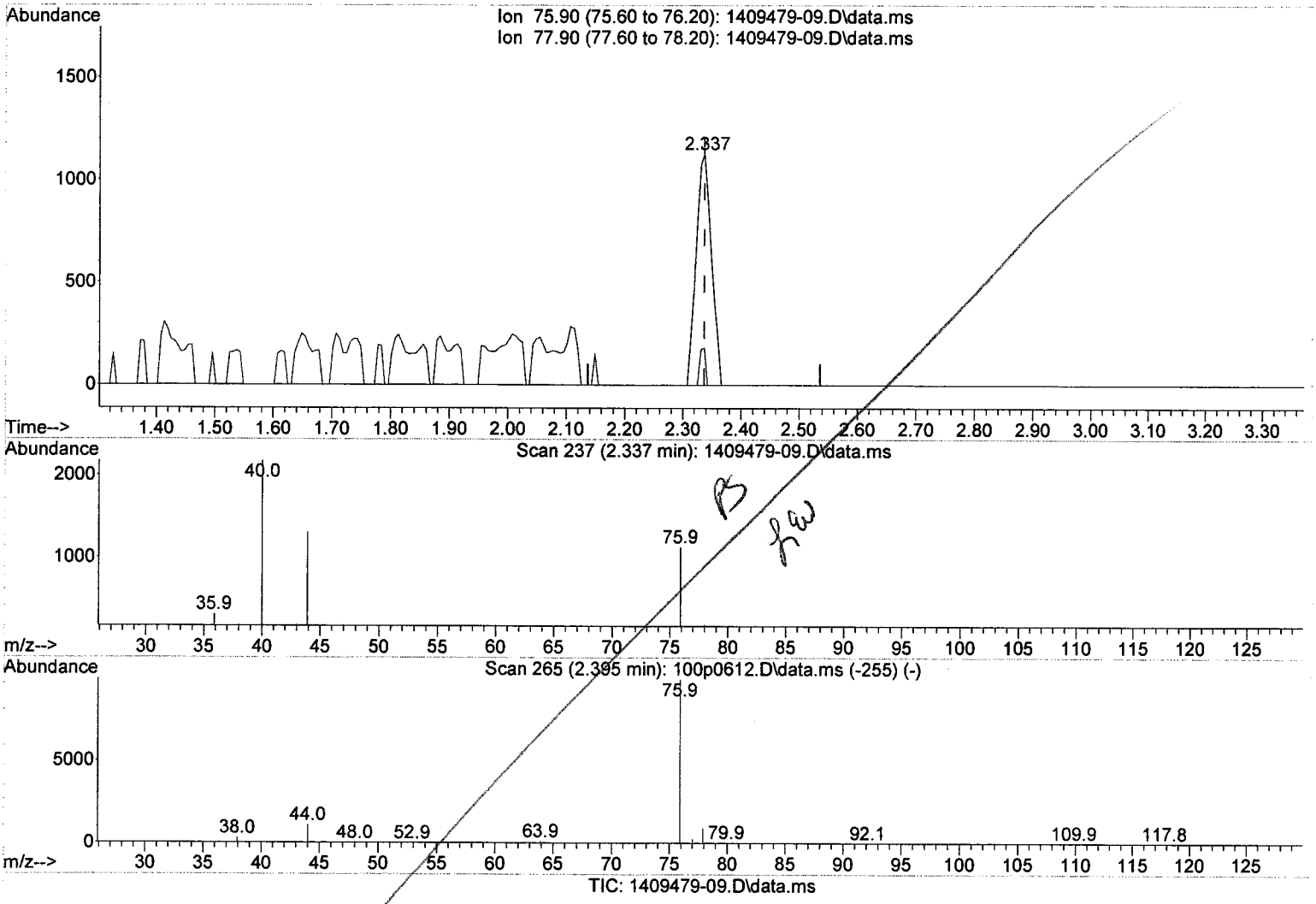
2.219min (+ 0.006) 3.47 ug/L

response 7836

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	28.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-09.D
Acq On : 03 Oct 2014 01:06
Operator : DLV
Sample : 1409479-09
Misc : AECOM
ALS Vial : 40 Sample Multiplier: 1
Quant Time: Oct 03 06:47:55 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409479-09.D\data.ms

(15) carbon disulfide

2.337min (-0.000) 0.23 ug/L

response 2059

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW05-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-10 File ID: 1409479-10.D

Sampled: 09/25/14 13:20 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 01:32

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	2.5	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW05-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-10 File ID: 1409479-10.D

Sampled: 09/25/14 13:20 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 01:32

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	1.0	0.13	0.50	1.0	
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.2	100	80 - 119	
1,2-Dichloroethane-d4	40.0	41.2	103	81 - 118	
Toluene-d8	40.0	39.1	98	89 - 112	
4-Bromofluorobenzene	40.0	36.9	92	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW05-01

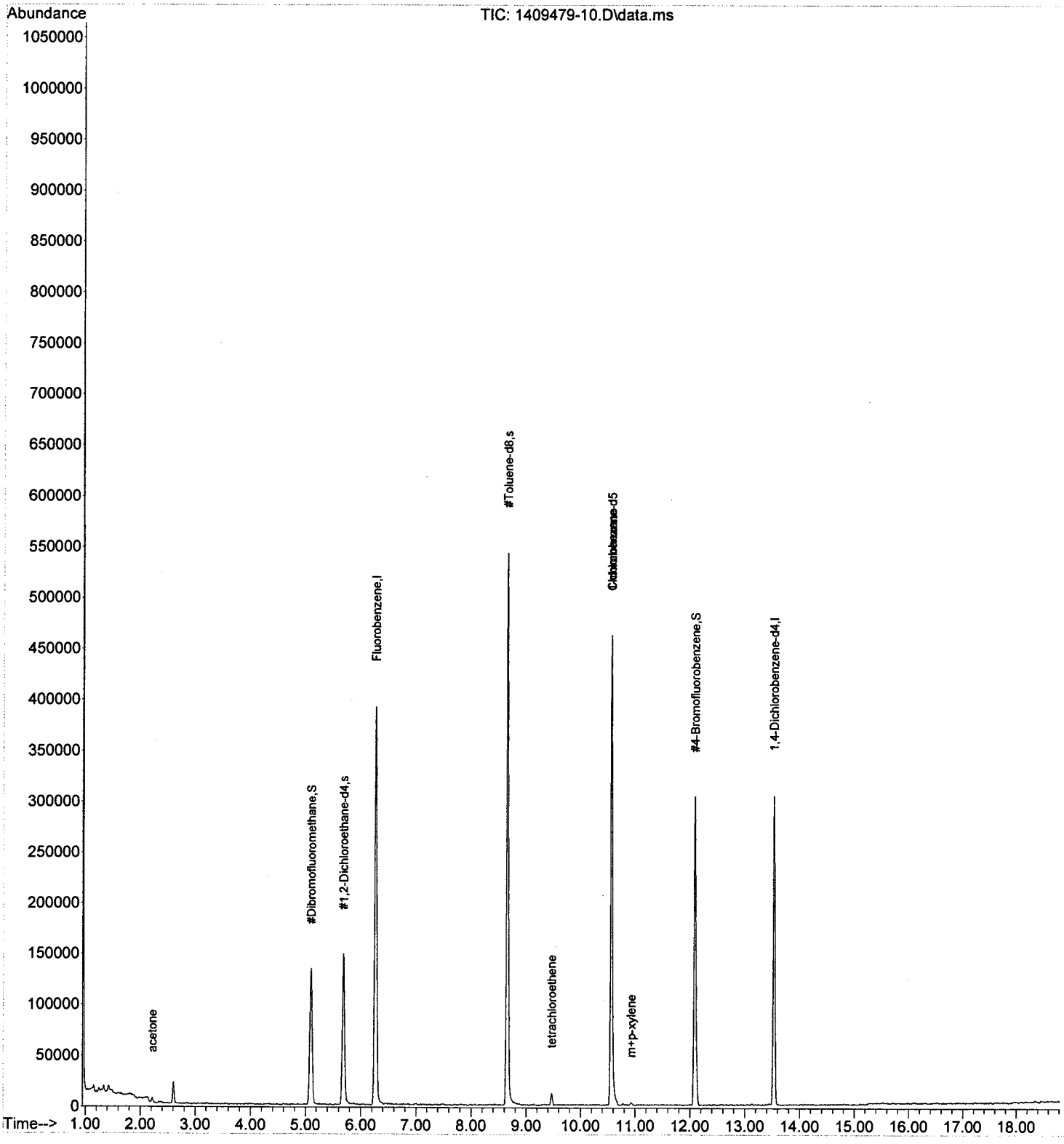
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409479-10
File ID: 1409479-10.D
Sampled: 09/25/14 13:20
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 01:32
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	497054	6.266	523953	6.266	
Chlorobenzene-d5	332660	10.566	369199	10.56	
1,4-Dichlorobenzene-d4	103885	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-10.D
Acq On : 03 Oct 2014 01:32
Operator : DLV
Sample : 1409479-10
Misc : AECOM
ALS Vial : 41 Sample Multiplier: 1
Quant Time: Oct 04 11:43:03 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-10.D
Acq On : 03 Oct 2014 01:32
Operator : DLV
Sample : 1409479-10
Misc : AECOM
ALS Vial : 41 Sample Multiplier: 1
Quant Time: Oct 04 11:43:03 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	497054	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	332660	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	103885	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	132221	40.19	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.48%			
37) #1,2-Dichloroethane-d4	5.684	67	84177	41.22	ug/L	0.00
Spiked Amount 40.000			Recovery = 103.05%			
46) #Toluene-d8	8.654	98	473173	39.06	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.65%			
64) #4-Bromofluorobenzene	12.089	95	153071	36.93	ug/L	0.00
Spiked Amount 40.000			Recovery = 92.33%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	6058	2.53	ug/L	96
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.601	49	12275	Below Cal		99
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	17386	No Calib	#	
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

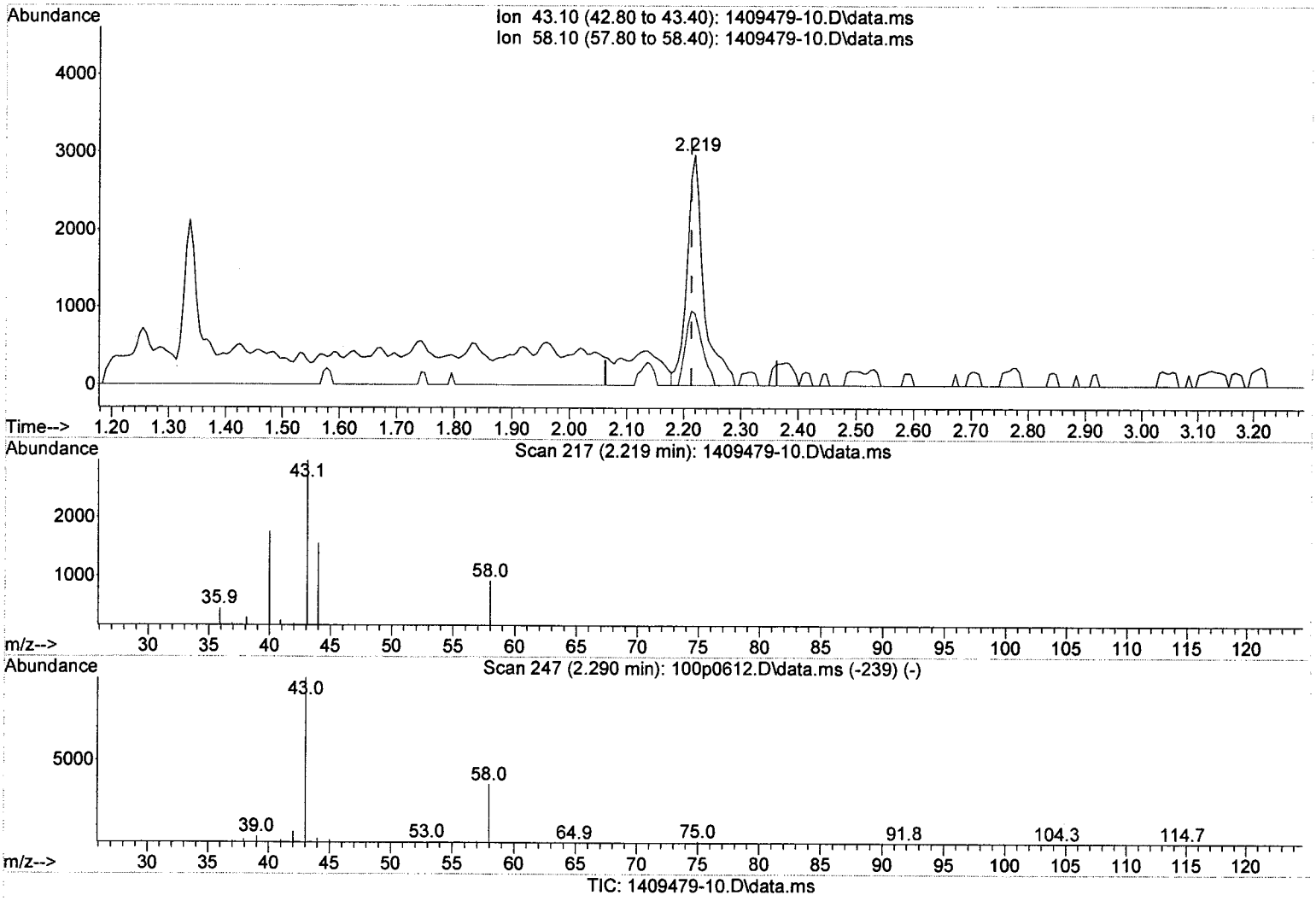
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-10.D
Acq On : 03 Oct 2014 01:32
Operator : DLV
Sample : 1409479-10
Misc : AECOM
ALS Vial : 41 Sample Multiplier: 1
Quant Time: Oct 04 11:43:03 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	0.000		0	N.D.		
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	9.466	166	3963	1.01	ug/L	93
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.566	55	2797	0.84	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	0.000		0	N.D.		
60) m+p-xylene	10.930	106	1535	0.25	ug/L #	61
61) o-xylene	0.000		0	N.D.		
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	0.000		0	N.D.		
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-10.D
Acq On : 03 Oct 2014 01:32
Operator : DLV
Sample : 1409479-10
Misc : AECOM
ALS Vial : 41 Sample Multiplier: 1
Quant Time: Oct 03 06:47:58 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409479-10.D\data.ms

(13) acetone

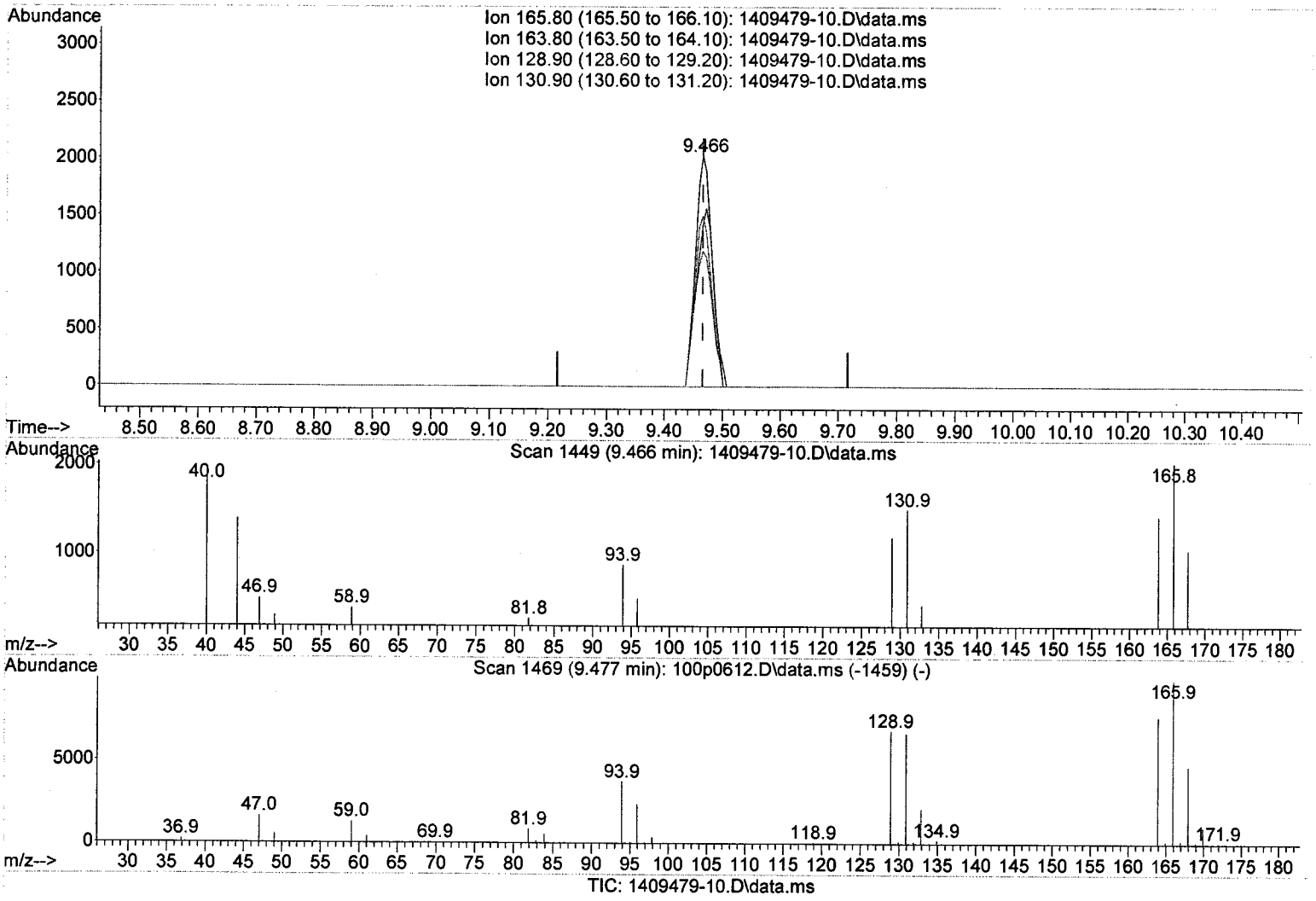
2.219min (+ 0.006) 2.53 ug/L

response 6058

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	31.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-10.D
Acq On : 03 Oct 2014 01:32
Operator : DLV
Sample : 1409479-10
Misc : AECOM
ALS Vial : 41 Sample Multiplier: 1
Quant Time: Oct 03 06:47:58 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



(51) tetrachloroethene

9.466min (-0.000) 1.01 ug/L

response 3963

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	80.80	83.42
128.90	76.40	64.77
130.90	72.60	75.88

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW03-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-11 File ID: 1409479-11.D

Sampled: 09/25/14 12:00 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 01:58

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	3.0	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.48	0.10	0.20	5.0	J
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.51	0.20	0.20	1.0	J
541-73-1	1,3-Dichlorobenzene	1	0.41	0.10	0.20	1.0	J
106-46-7	1,4-Dichlorobenzene	1	0.30	0.20	0.20	1.0	J
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW03-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-11 File ID: 1409479-11.D

Sampled: 09/25/14 12:00 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 01:58

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.58	0.13	0.50	1.0	J
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.36	0.15	0.50	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.0	102	80 - 119	
1,2-Dichloroethane-d4	40.0	40.7	102	81 - 118	
Toluene-d8	40.0	39.2	98	89 - 112	
4-Bromofluorobenzene	40.0	38.1	95	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW03-01

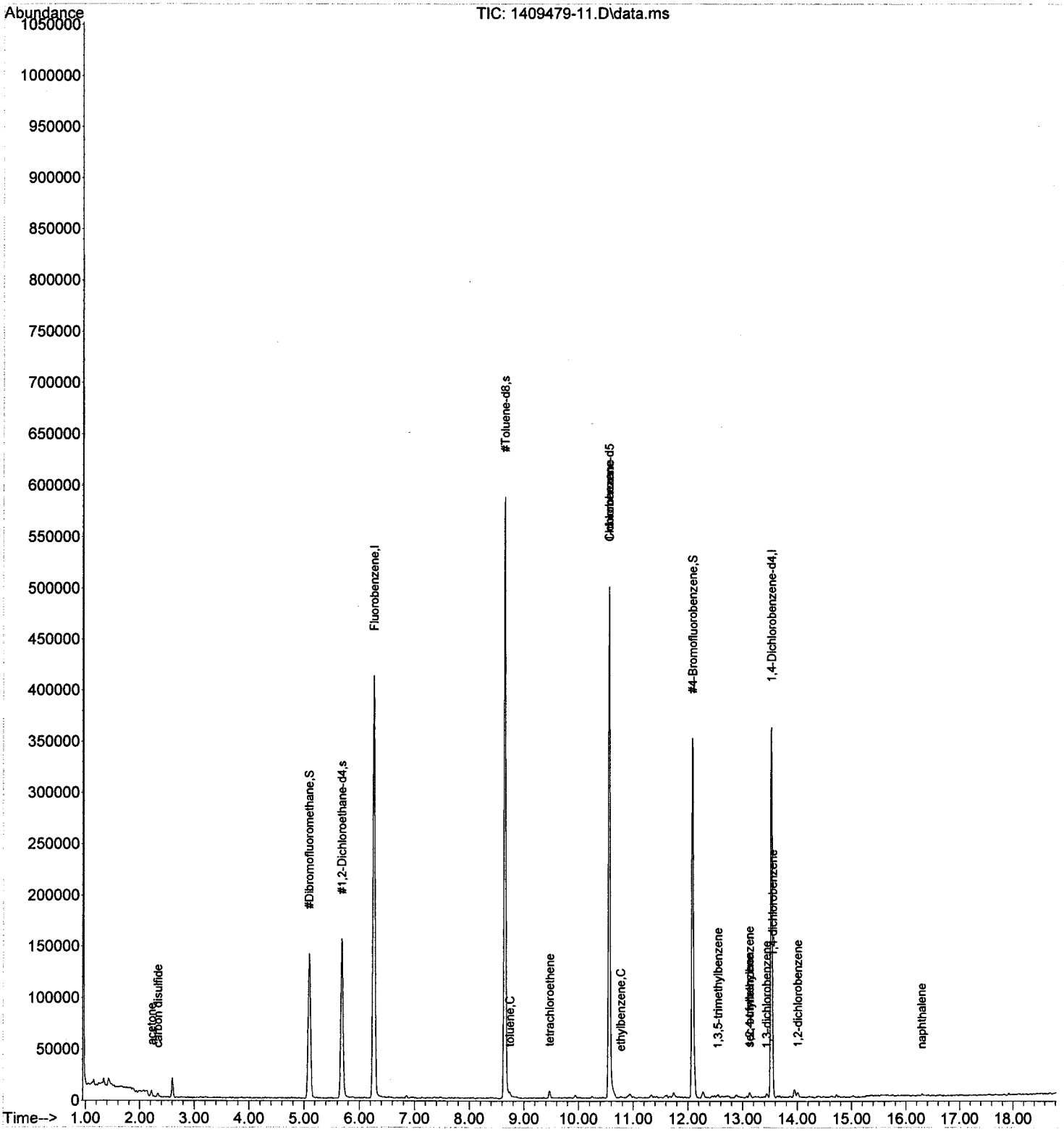
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409479-11
File ID: 1409479-11.D
Sampled: 09/25/14 12:00
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 01:58
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	517695	6.266	523953	6.266	
Chlorobenzene-d5	352524	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	128577	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-11.D
Acq On : 03 Oct 2014 01:58
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 42 Sample Multiplier: 1
Quant Time: Oct 04 11:43:06 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-11.D
Acq On : 03 Oct 2014 01:58
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 42 Sample Multiplier: 1
Quant Time: Oct 04 11:43:06 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	517695	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	352524	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	128577	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.096	111	140461	40.99	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.48%				
37) #1,2-Dichloroethane-d4	5.684	67	86622	40.72	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.80%				
46) #Toluene-d8	8.654	98	495135	39.25	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.13%				
64) #4-Bromofluorobenzene	12.083	95	167473	38.12	ug/L		0.00
Spiked Amount 40.000			Recovery = 95.30%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.219	43	7064	2.99	ug/L	#	87
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	4283	0.48	ug/L	#	74
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.602	49	10013	Below Cal			93
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	0.000		0	N.D.			
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	6.266	57	19643	No Calib			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

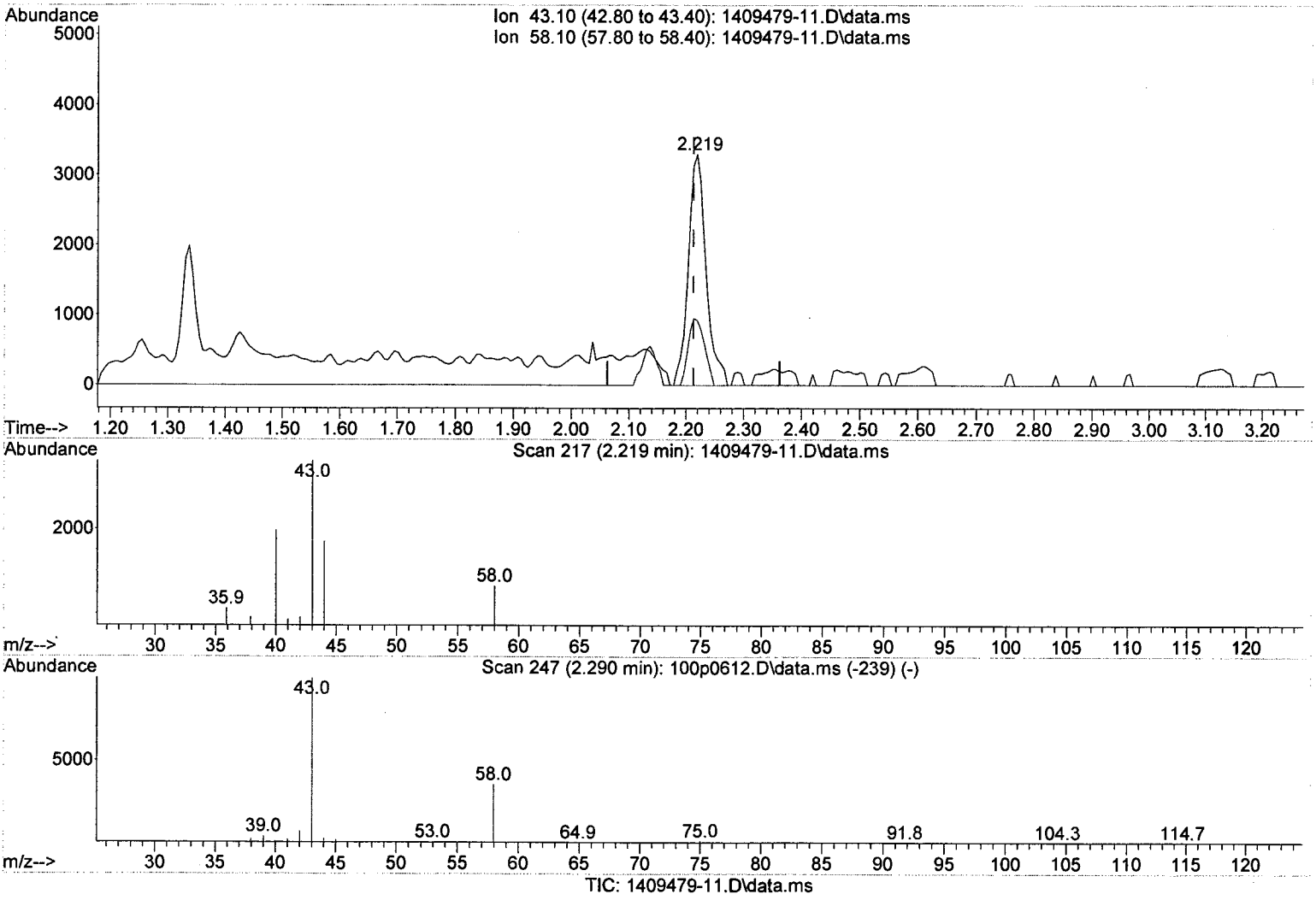
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-11.D
Acq On : 03 Oct 2014 01:58
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 42 Sample Multiplier: 1
Quant Time: Oct 04 11:43:06 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	2588	0.15 ug/L #	23
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	9.472	166	2394	0.58 ug/L	93
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2497	0.70 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	2016	0.11 ug/L #	43
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	12.554	105	1441	0.13 ug/L #	30
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.131	105	3624	0.36 ug/L	94
77) sec-butylbenzene	13.131	105	3624	0.28 ug/L #	57
78) 1,3-dichlorobenzene	13.442	146	2436	0.41 ug/L #	71
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	13.554	146	1788	0.30 ug/L #	39
81) 1,2-dichlorobenzene	14.013	146	2880	0.51 ug/L	92
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	16.295	128	1878	3.63 ug/L #	77
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-11.D
Acq On : 03 Oct 2014 01:58
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 42 Sample Multiplier: 1
Quant Time: Oct 03 06:48:01 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409479-11.D\data.ms

(13) acetone

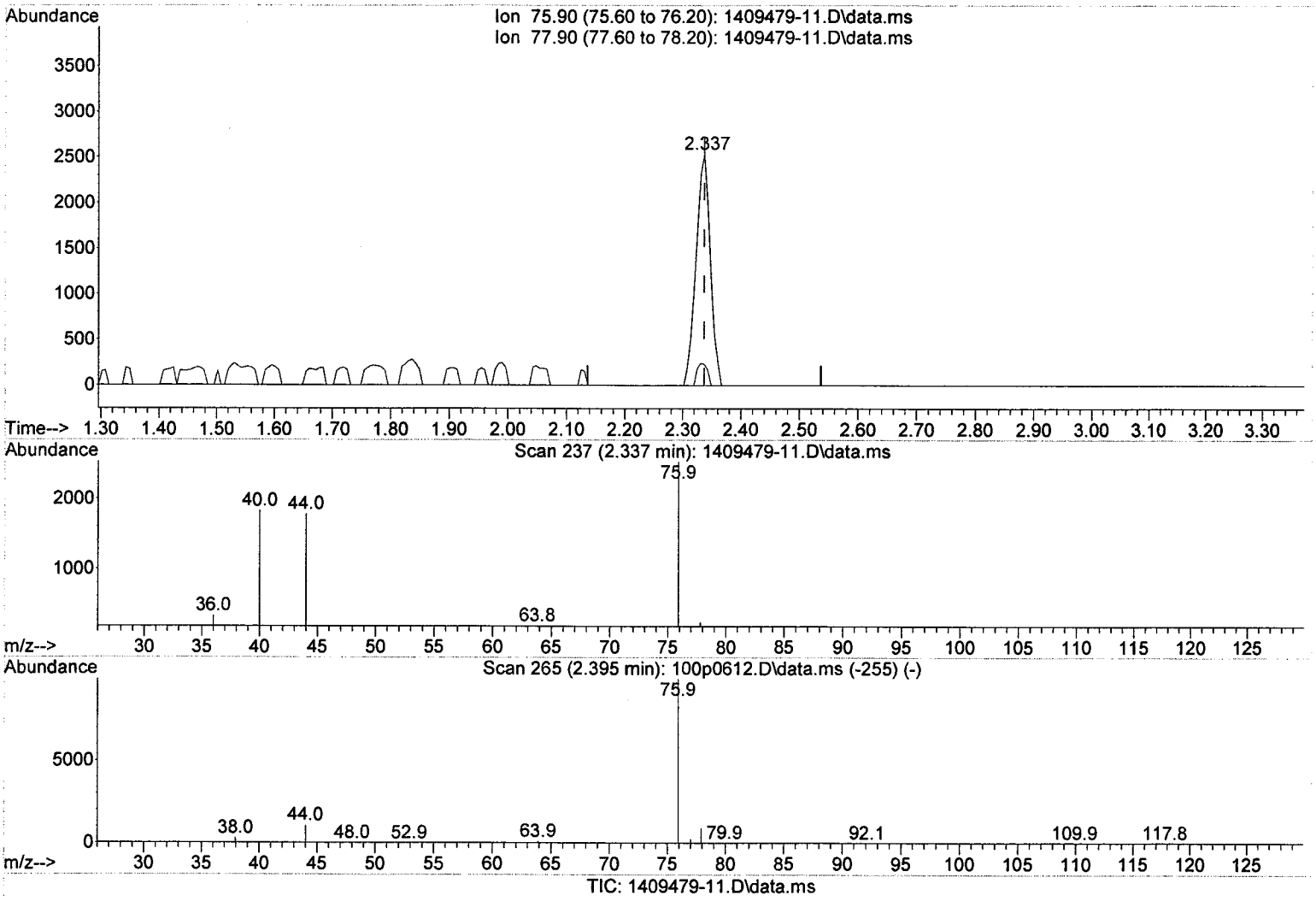
2.219min (+ 0.006) 2.99 ug/L

response 7064

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	26.39#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-11.D
Acq On : 03 Oct 2014 01:58
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 42 Sample Multiplier: 1
Quant Time: Oct 03 06:48:01 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409479-11.D\data.ms

(15) carbon disulfide

2.337min (-0.000) 0.48 ug/L

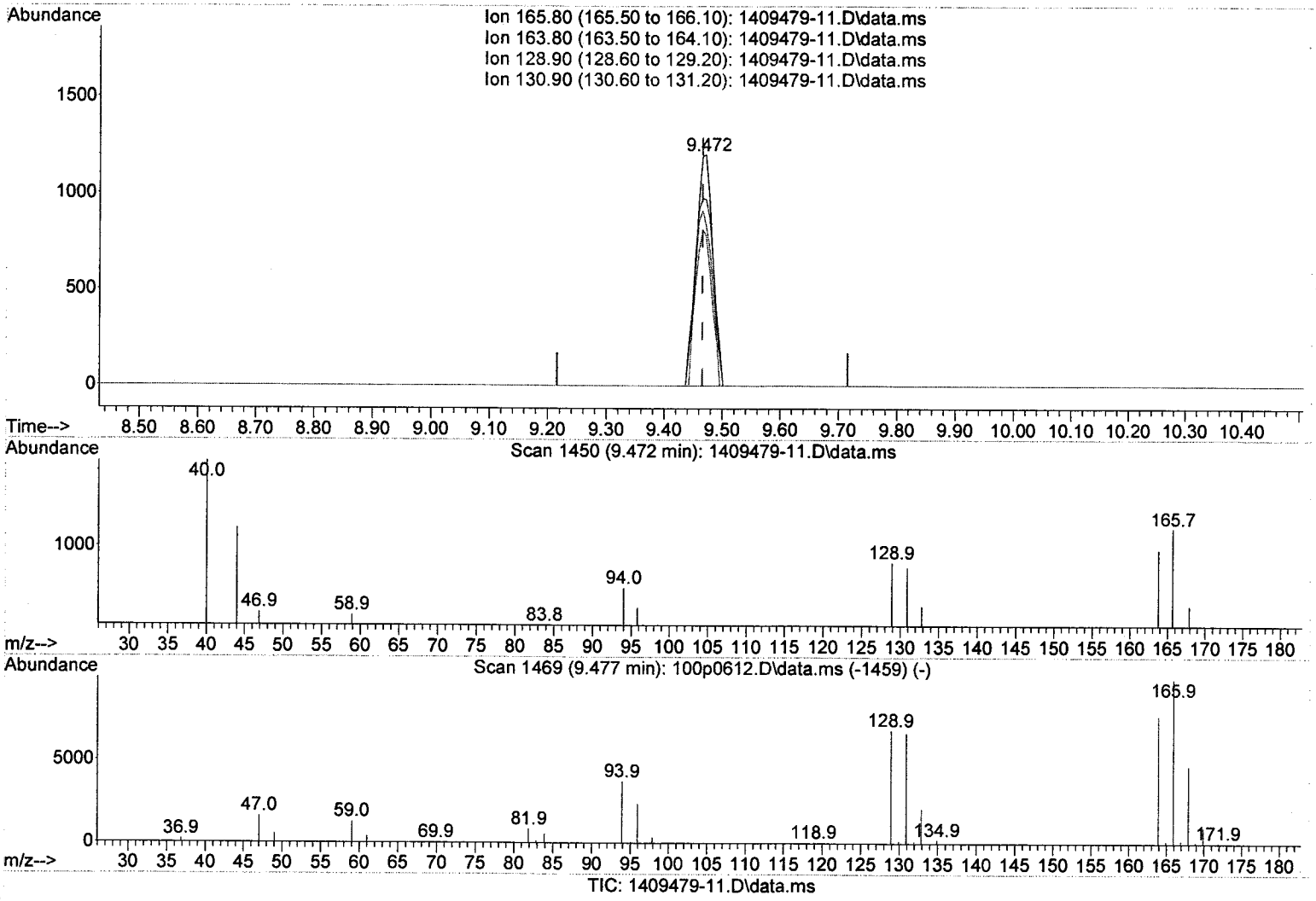
response 4283

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

000859

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-11.D
Acq On : 03 Oct 2014 01:58
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 42 Sample Multiplier: 1
Quant Time: Oct 03 06:48:01 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409479-11.D\data.ms

(51) tetrachloroethene

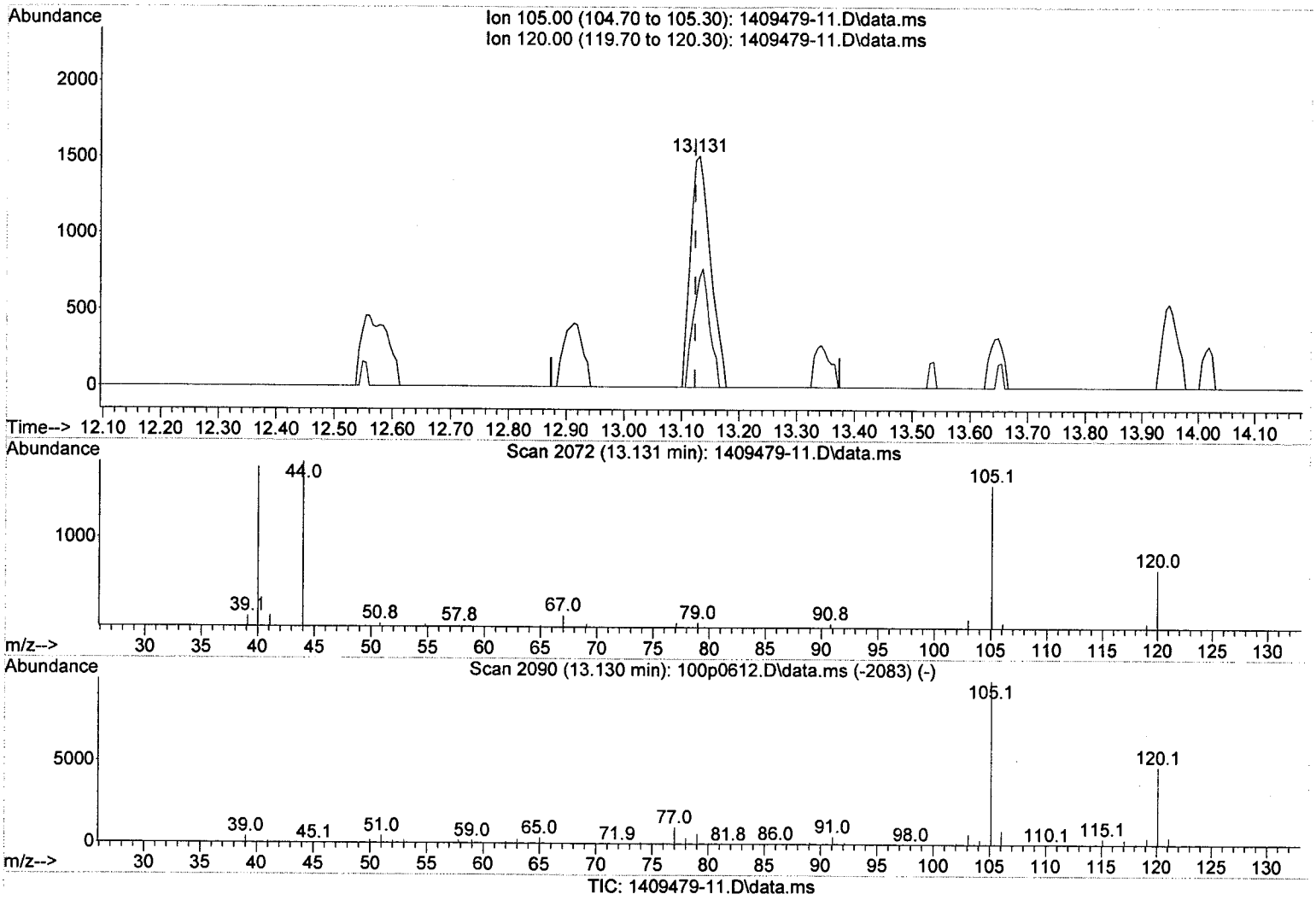
9.472min (+ 0.006) 0.58 ug/L

response 2394

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	80.80	92.94
128.90	76.40	77.49
130.90	72.60	67.42

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-11.D
Acq On : 03 Oct 2014 01:58
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 42 Sample Multiplier: 1
Quant Time: Oct 03 06:48:01 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



(76) 1,2,4-trimethylbenzene

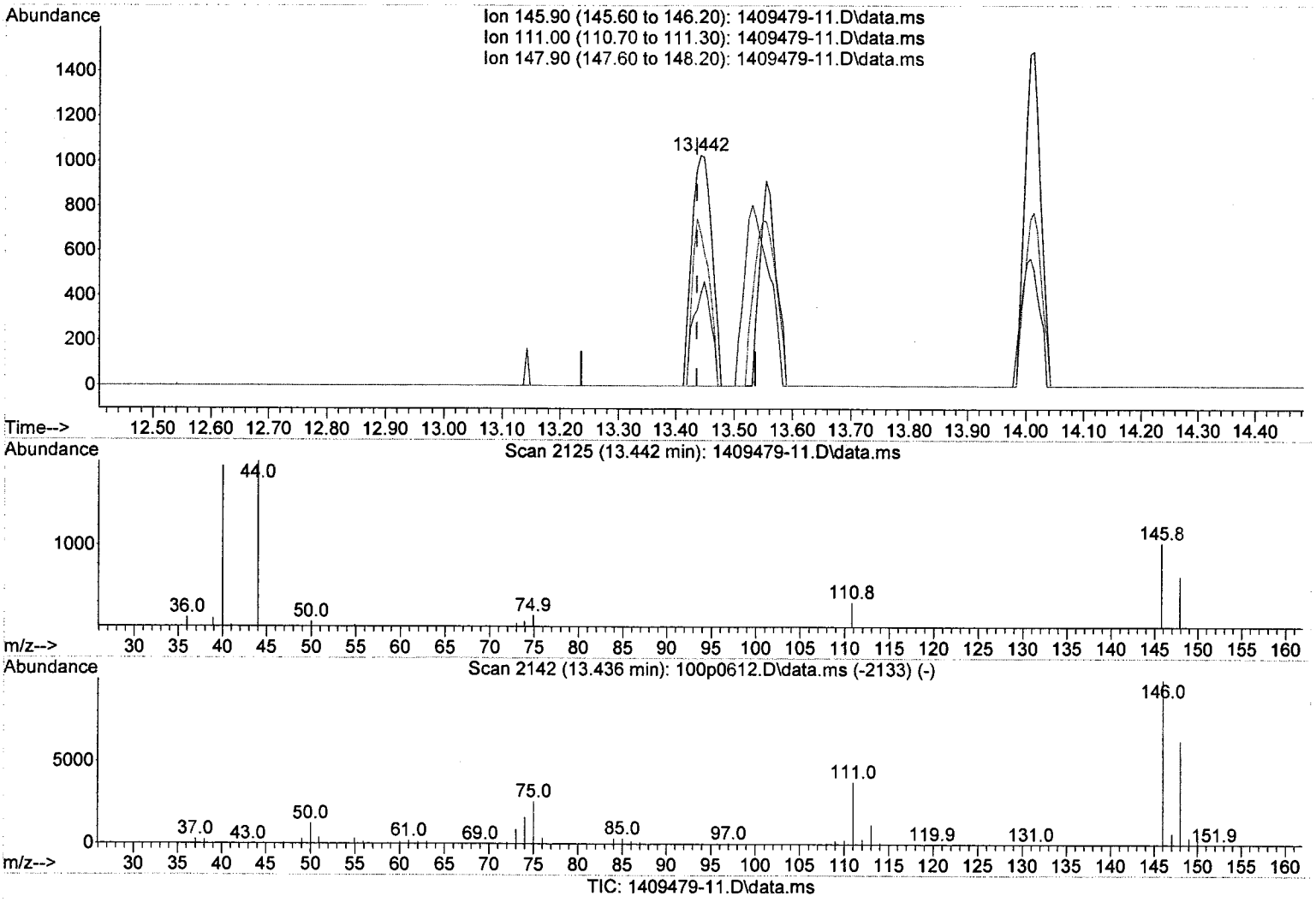
13.131min (+ 0.006) 0.36 ug/L

response 3624

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	44.50	40.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-11.D
Acq On : 03 Oct 2014 01:58
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 42 Sample Multiplier: 1
Quant Time: Oct 03 06:48:01 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



(78) 1,3-dichlorobenzene

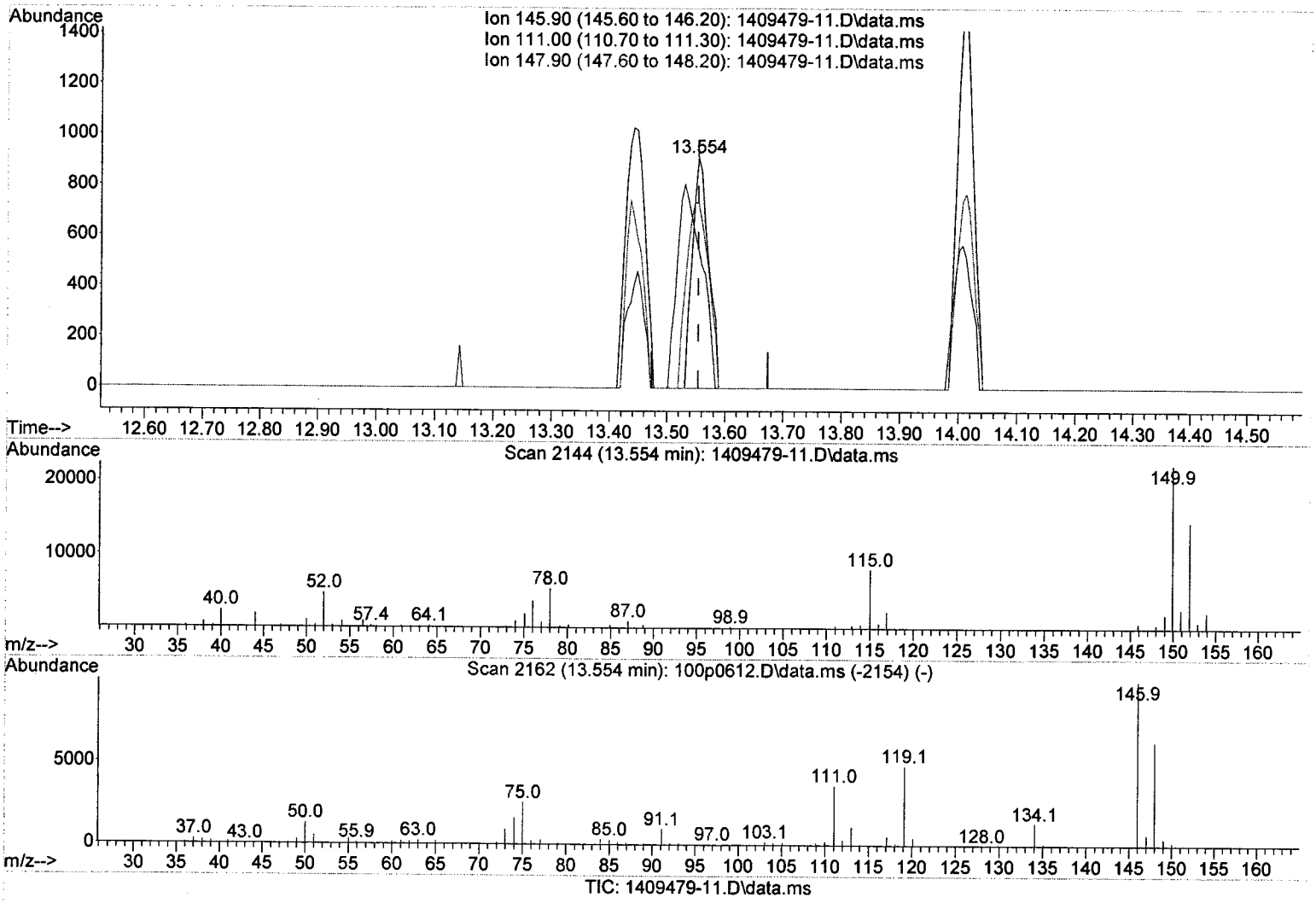
13.442min (+ 0.006) 0.41 ug/L

response 2436

Ion	Exp%	Act%
145.90	100.00	100.00
111.00	39.80	0.00#
147.90	65.10	59.03
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-11.D
Acq On : 03 Oct 2014 01:58
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 42 Sample Multiplier: 1
Quant Time: Oct 03 06:48:01 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409479-11.D\data.ms

(80) 1,4-dichlorobenzene

13.554min (0.000) 0.30 ug/L

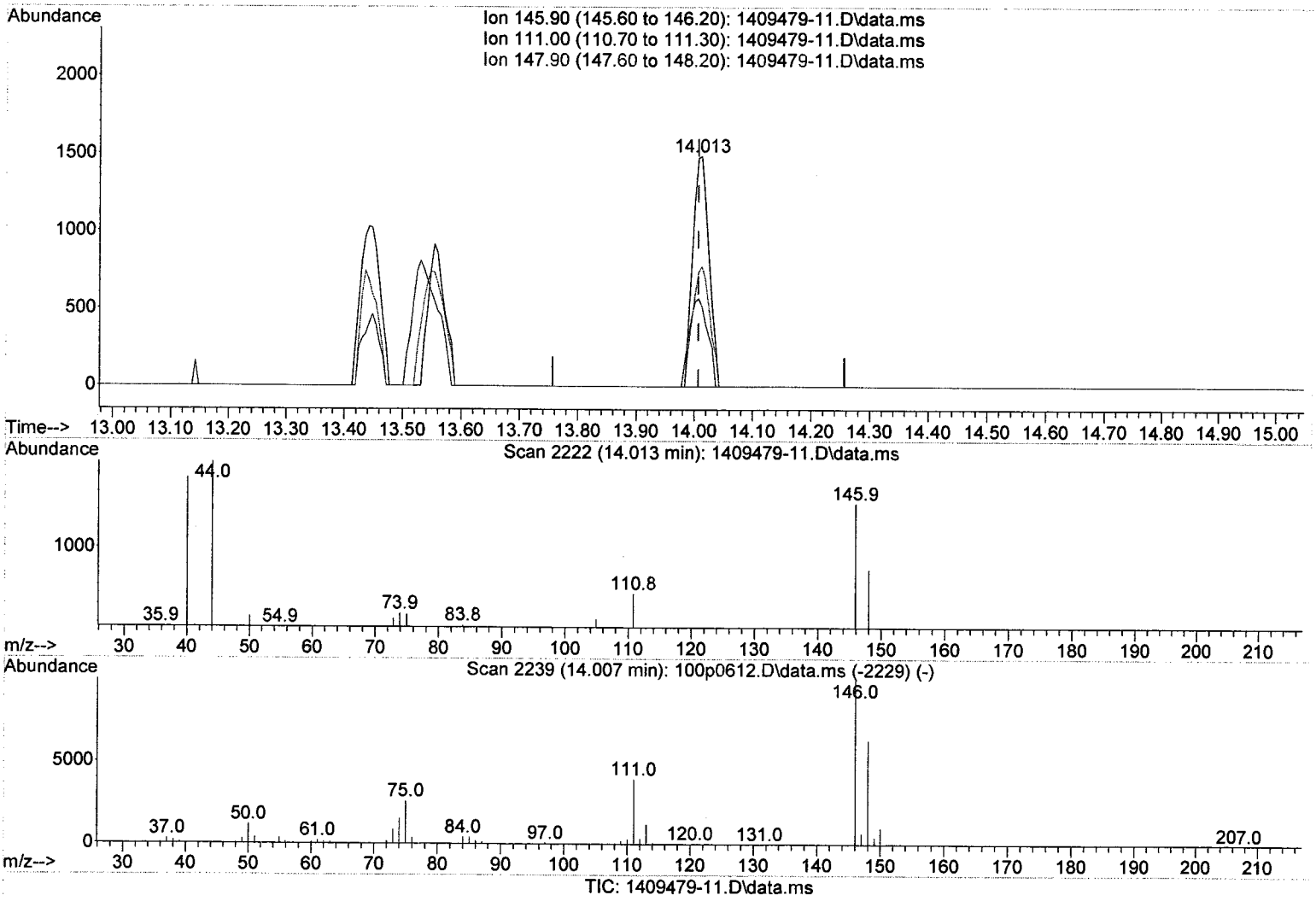
response 1788

Ion	Exp%	Act%
145.90	100.00	100.00
111.00	38.80	0.00#
147.90	63.10	109.45#
0.00	0.00	0.00

000863

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-11.D
Acq On : 03 Oct 2014 01:58
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 42 Sample Multiplier: 1
Quant Time: Oct 03 06:48:01 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



(81) 1,2-dichlorobenzene

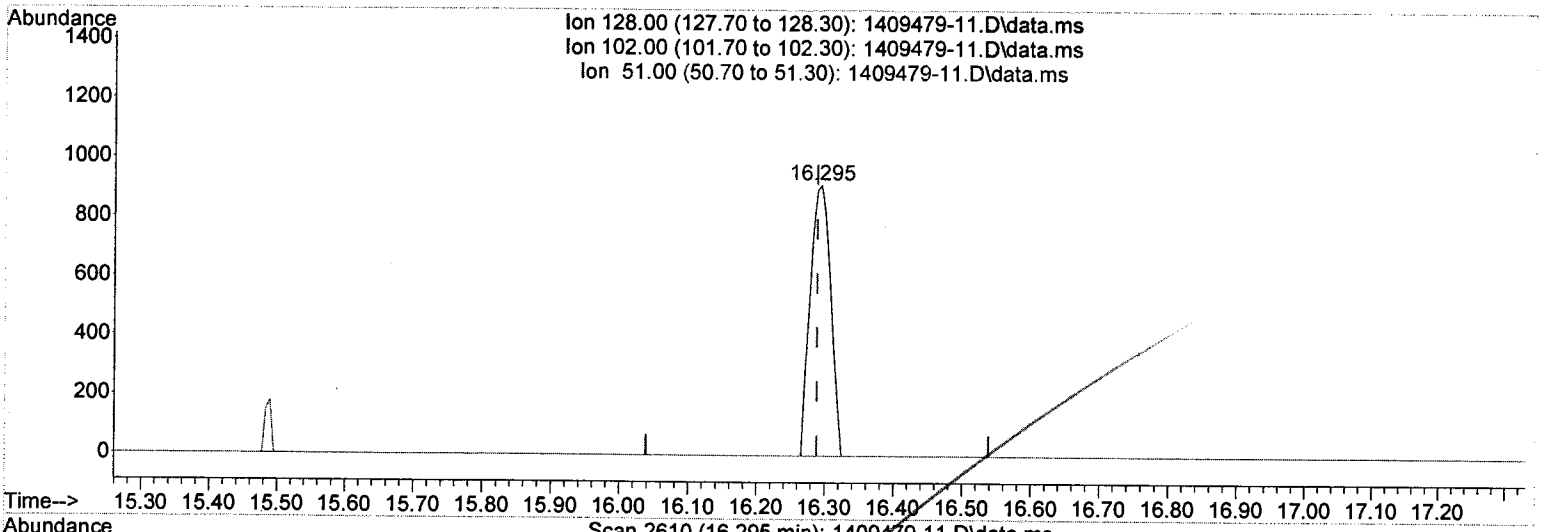
14.013min (+ 0.006) 0.51 ug/L

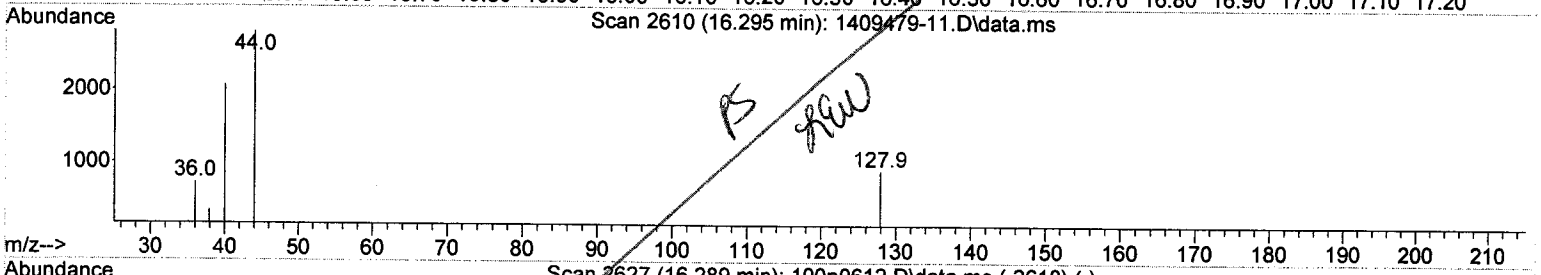
response 2880

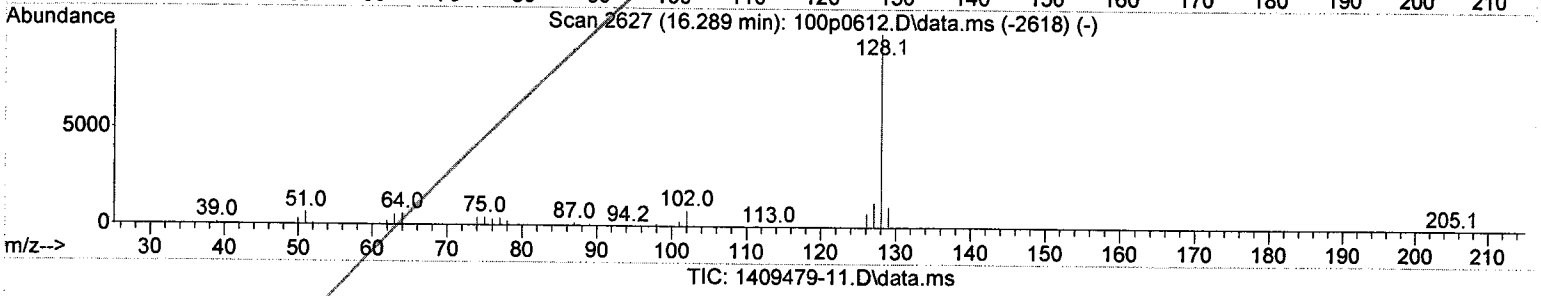
Ion	Exp%	Act%
145.90	100.00	100.00
111.00	41.40	43.40
147.90	63.60	55.10
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409479-11.D
Acq On : 03 Oct 2014 01:58
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 42 Sample Multiplier: 1
Quant Time: Oct 03 06:48:01 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(87) naphthalene

16.295min (+ 0.006) 3.63 ug/L

response 1878

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.70	0.00
51.00	7.50	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB06-14

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-12
File ID: 1409479-12.D
Sampled: 09/25/14 14:05
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 17:31
Solids: 92.50
Preparation: 5035A Low Concentratio
Initial/Final: 4.5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	6.2	5.0	6.0	6.0	
71-43-2	Benzene	1	0.60	0.19	0.60	1.2	U
108-86-1	Bromobenzene	1	0.60	0.16	0.60	1.2	U
74-97-5	Bromochloromethane	1	0.60	0.17	0.60	1.2	U
75-27-4	Bromodichloromethane	1	0.60	0.21	0.60	1.2	U
75-25-2	Bromoform	1	0.60	0.43	0.60	1.2	U
74-83-9	Bromomethane	1	0.60	0.39	0.60	1.2	U
104-51-8	n-Butylbenzene	1	0.60	0.31	0.60	1.2	U
135-98-8	sec-Butylbenzene	1	0.60	0.26	0.60	1.2	U
98-06-6	tert-Butylbenzene	1	0.60	0.20	0.60	1.2	U
75-15-0	Carbon Disulfide	1	0.60	0.28	0.60	1.2	U
56-23-5	Carbon Tetrachloride	1	0.60	0.39	0.60	1.2	U
108-90-7	Chlorobenzene	1	0.60	0.18	0.60	1.2	U
75-00-3	Chloroethane	1	1.2	0.60	1.2	1.2	U
67-66-3	Chloroform	1	0.60	0.17	0.60	1.2	U
74-87-3	Chloromethane	1	0.60	0.31	0.60	1.2	U
95-49-8	2-Chlorotoluene	1	0.60	0.35	0.60	1.2	U
106-43-4	4-Chlorotoluene	1	0.24	0.24	0.24	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.2	0.71	1.2	6.0	U
124-48-1	Dibromochloromethane	1	0.60	0.22	0.60	1.2	U
106-93-4	1,2-Dibromoethane	1	0.60	0.18	0.60	1.2	U
74-95-3	Dibromomethane	1	0.60	0.27	0.60	1.2	U
95-50-1	1,2-Dichlorobenzene	1	0.24	0.11	0.24	1.2	U
541-73-1	1,3-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
106-46-7	1,4-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
75-71-8	Dichlorodifluoromethane	1	0.60	0.17	0.60	1.2	U
75-34-3	1,1-Dichloroethane	1	0.60	0.25	0.60	1.2	U
107-06-2	1,2-Dichloroethane	1	0.60	0.27	0.60	1.2	U
75-35-4	1,1-Dichloroethene	1	0.60	0.37	0.60	1.2	U
156-59-2	cis-1,2-Dichloroethene	1	0.60	0.27	0.60	1.2	U
156-60-5	trans-1,2-Dichloroethene	1	0.60	0.33	0.60	1.2	U
78-87-5	1,2-Dichloropropane	1	0.60	0.20	0.60	1.2	U
142-28-9	1,3-Dichloropropane	1	0.60	0.17	0.60	1.2	U
594-20-7	2,2-Dichloropropane	1	0.60	0.28	0.60	1.2	U
563-58-6	1,1-Dichloropropene	1	0.60	0.33	0.60	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1	0.24	0.14	0.24	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1	0.60	0.15	0.60	1.2	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB06-14

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-12
File ID: 1409479-12.D
Sampled: 09/25/14 14:05
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 17:31
Solids: 92.50
Preparation: 5035A Low Concentratio
Initial/Final: 4.5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.60	0.22	0.60	1.2	U
87-68-3	Hexachlorobutadiene	1	0.60	0.25	0.60	1.2	U
591-78-6	2-Hexanone	1	0.60	0.58	0.60	6.0	U
98-82-8	Isopropylbenzene	1	0.24	0.13	0.24	1.2	U
99-87-6	4-Isopropyltoluene	1	0.60	0.29	0.60	1.2	U
75-09-2	Methylene Chloride	1	1.2	0.56	1.2	6.0	U
78-93-3	2-Butanone (MEK)	1	6.0	1.3	6.0	6.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.60	0.46	0.60	6.0	U
91-20-3	Naphthalene	1	0.60	0.19	0.60	6.0	U
103-65-1	n-Propylbenzene	1	0.60	0.14	0.60	1.2	U
100-42-5	Styrene	1	0.24	0.24	0.24	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.60	0.18	0.60	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.60	0.17	0.60	1.2	U
127-18-4	Tetrachloroethene	1	10	0.21	0.60	1.2	
108-88-3	Toluene	1	0.31	0.12	0.24	1.2	J
87-61-6	1,2,3-Trichlorobenzene	1	0.60	0.34	0.60	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1	0.60	0.20	0.60	1.2	U
71-55-6	1,1,1-Trichloroethane	1	0.37	0.17	0.60	1.2	J
79-00-5	1,1,2-Trichloroethane	1	0.60	0.26	0.60	1.2	U
79-01-6	Trichloroethene	1	0.60	0.29	0.60	1.2	U
75-69-4	Trichlorofluoromethane	1	0.60	0.21	0.60	1.2	U
96-18-4	1,2,3-Trichloropropane	1	0.60	0.27	0.60	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1	0.60	0.14	0.60	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1	0.60	0.23	0.60	1.2	U
75-01-4	Vinyl Chloride	1	0.60	0.24	0.60	1.2	U
179601-23-1	Xylene, Meta + Para	1	0.31	0.17	0.48	2.4	J
95-47-6	Xylene, Ortho	1	0.24	0.13	0.24	1.2	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.0	105	78 - 119	
1,2-Dichloroethane-d4	40.0	44.5	111	71 - 136	
Toluene-d8	40.0	38.8	97	85 - 116	
4-Bromofluorobenzene	40.0	36.2	91	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	443842	6.272	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB06-14

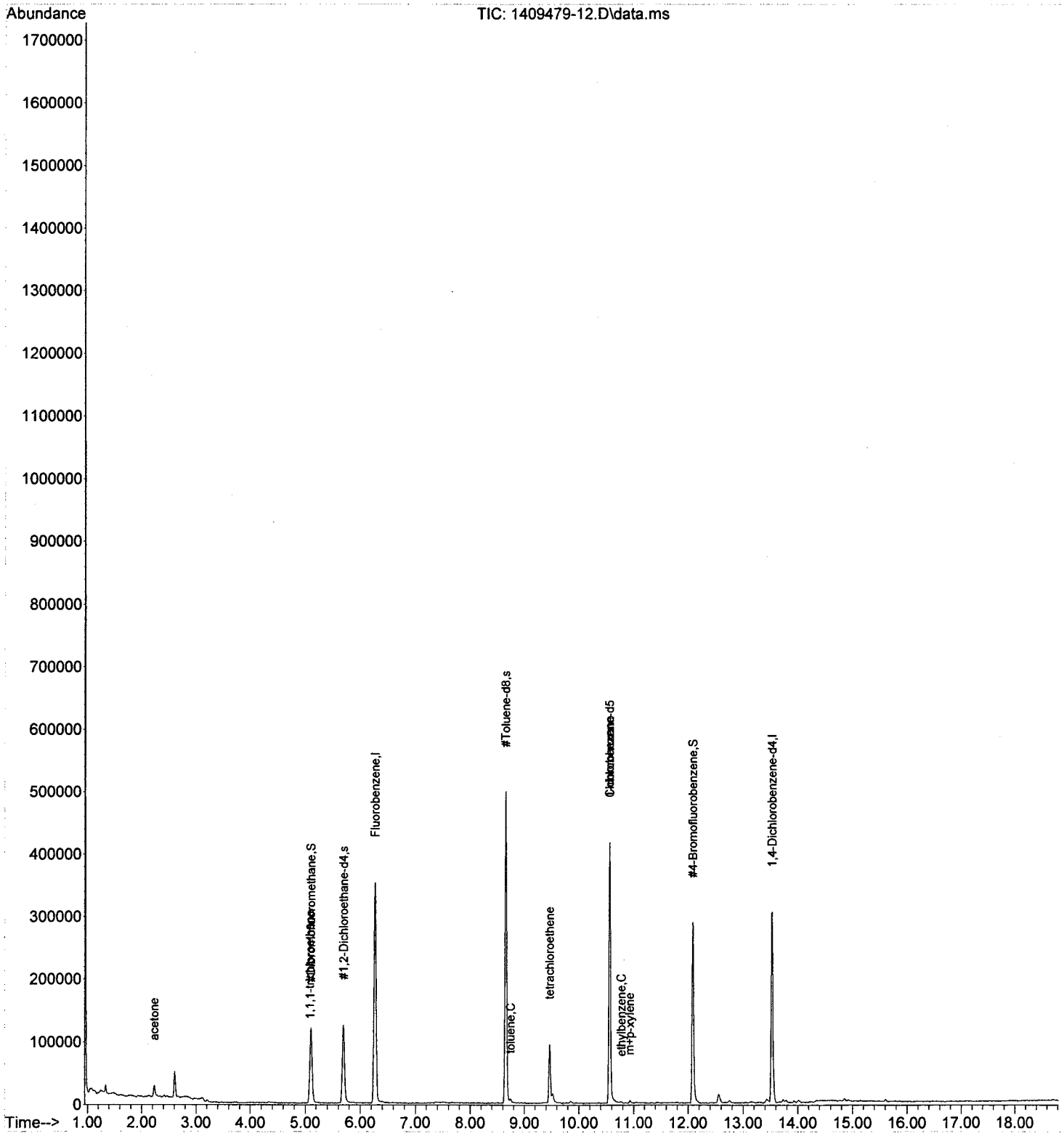
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-12
File ID: 1409479-12.D
Sampled: 09/25/14 14:05
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 17:31
Solids: 92.50
Preparation: 5035A Low Concentratio
Initial/Final: 4.5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	283453	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	108806	13.53	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-12.D
Acq On : 01 Oct 2014 17:31
Operator : DLV
Sample : 1409479-12
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 02 07:01:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-12.D
Acq On : 01 Oct 2014 17:31
Operator : DLV
Sample : 1409479-12
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 02 07:01:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	443842	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	283453	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	108806	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	117260	42.01	ug/L		0.00
Spiked Amount 40.000			Recovery = 105.02%				
37) #1,2-Dichloroethane-d4	5.695	67	70824	44.49	ug/L		0.00
Spiked Amount 40.000			Recovery = 111.22%				
46) #Toluene-d8	8.654	98	417829	38.77	ug/L		0.00
Spiked Amount 40.000			Recovery = 96.93%				
64) #4-Bromofluorobenzene	12.083	95	128767	36.24	ug/L		0.00
Spiked Amount 40.000			Recovery = 90.60%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	27133	5.19	ug/L		99
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	23306	Below Cal			100
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.337	43	3816	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	5.084	97	1545	0.31	ug/L	#	22
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

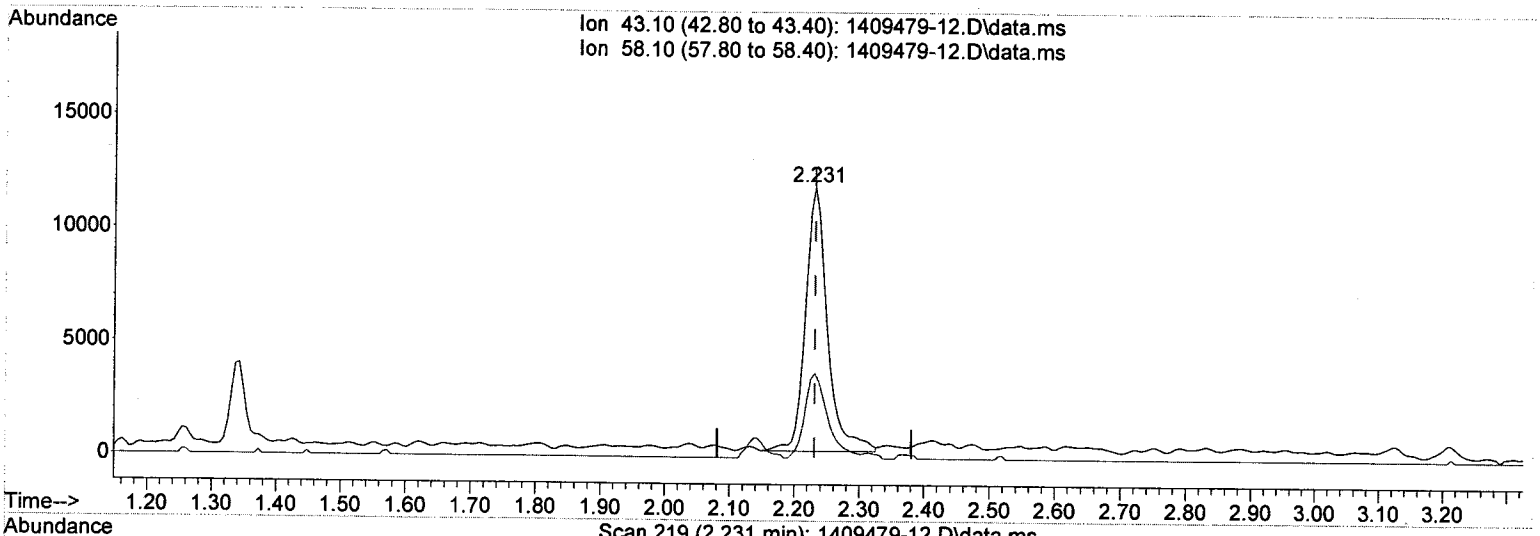
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-12.D
Acq On : 01 Oct 2014 17:31
Operator : DLV
Sample : 1409479-12
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 02 07:01:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

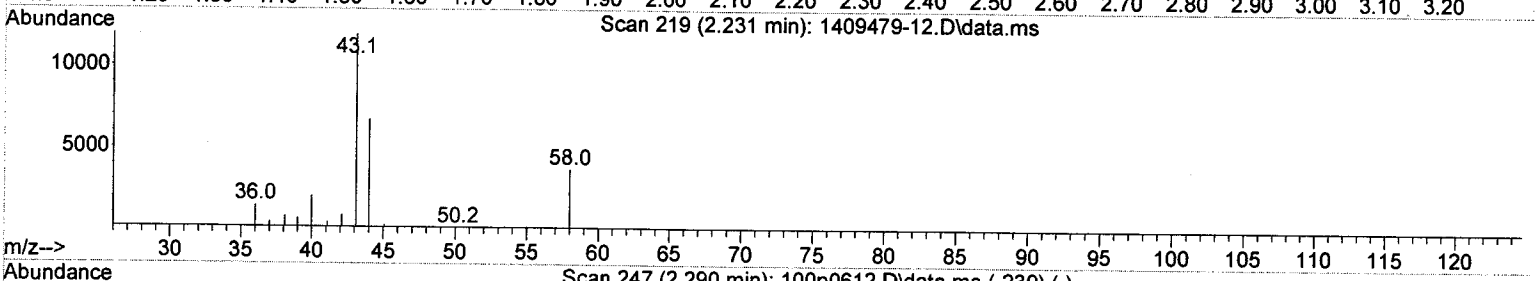
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	4290	0.26 ug/L	98
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	9.466	166	32943	8.52 ug/L	98
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.566	55	2090	0.56 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	1554	0.09 ug/L #	44
60) m+p-xylene	10.930	106	1624	0.26 ug/L	96
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

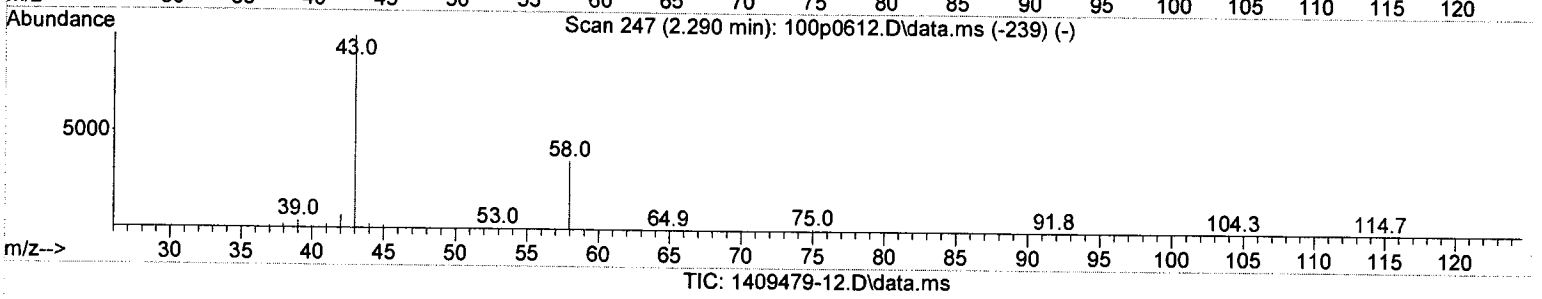
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-12.D
Acq On : 01 Oct 2014 17:31
Operator : DLV
Sample : 1409479-12
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 02 07:01:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







(13) acetone

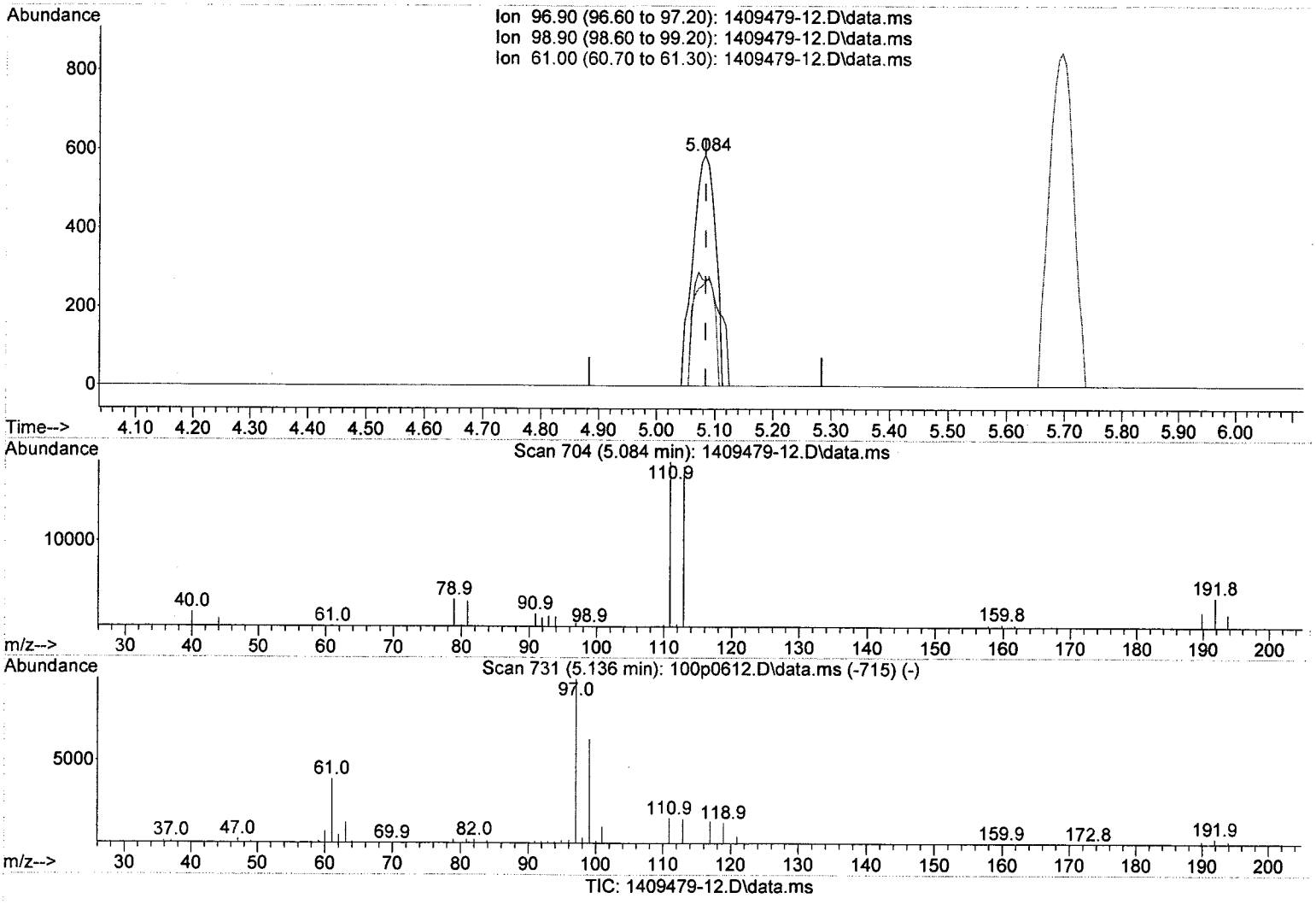
2.231min (-0.000) 5.19 ug/L

response 27133

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	34.20	33.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-12.D
Acq On : 01 Oct 2014 17:31
Operator : DLV
Sample : 1409479-12
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 02 07:01:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-12.D\data.ms

(30) 1,1,1-trichloroethane

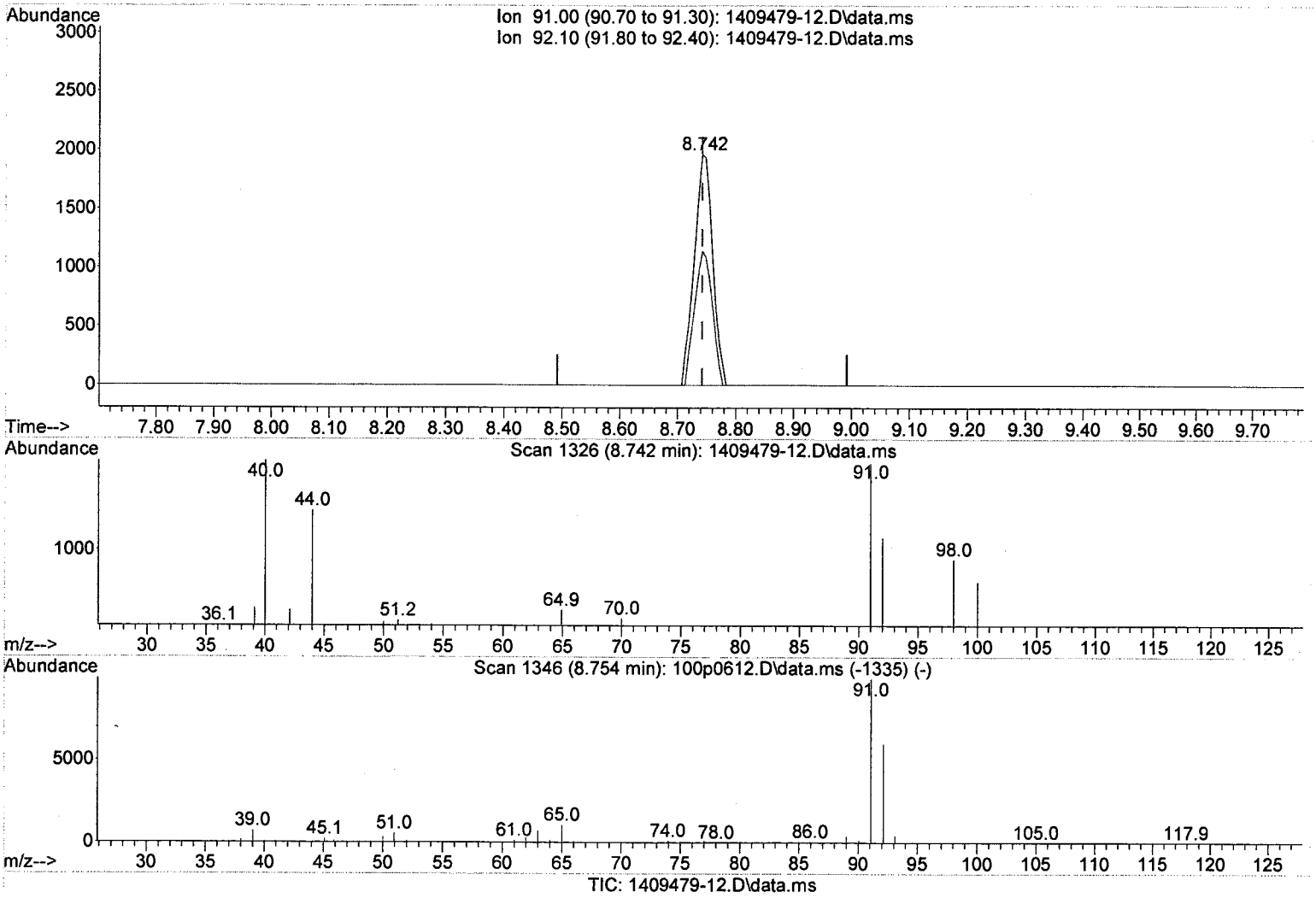
5.084min (-0.000) 0.31 ug/L

response 1545

Ion	Exp%	Act%
96.90	100.00	100.00
98.90	65.80	0.00#
61.00	47.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-12.D
Acq On : 01 Oct 2014 17:31
Operator : DLV
Sample : 1409479-12
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 02 07:01:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-12.D\data.ms

(47) toluene (C)

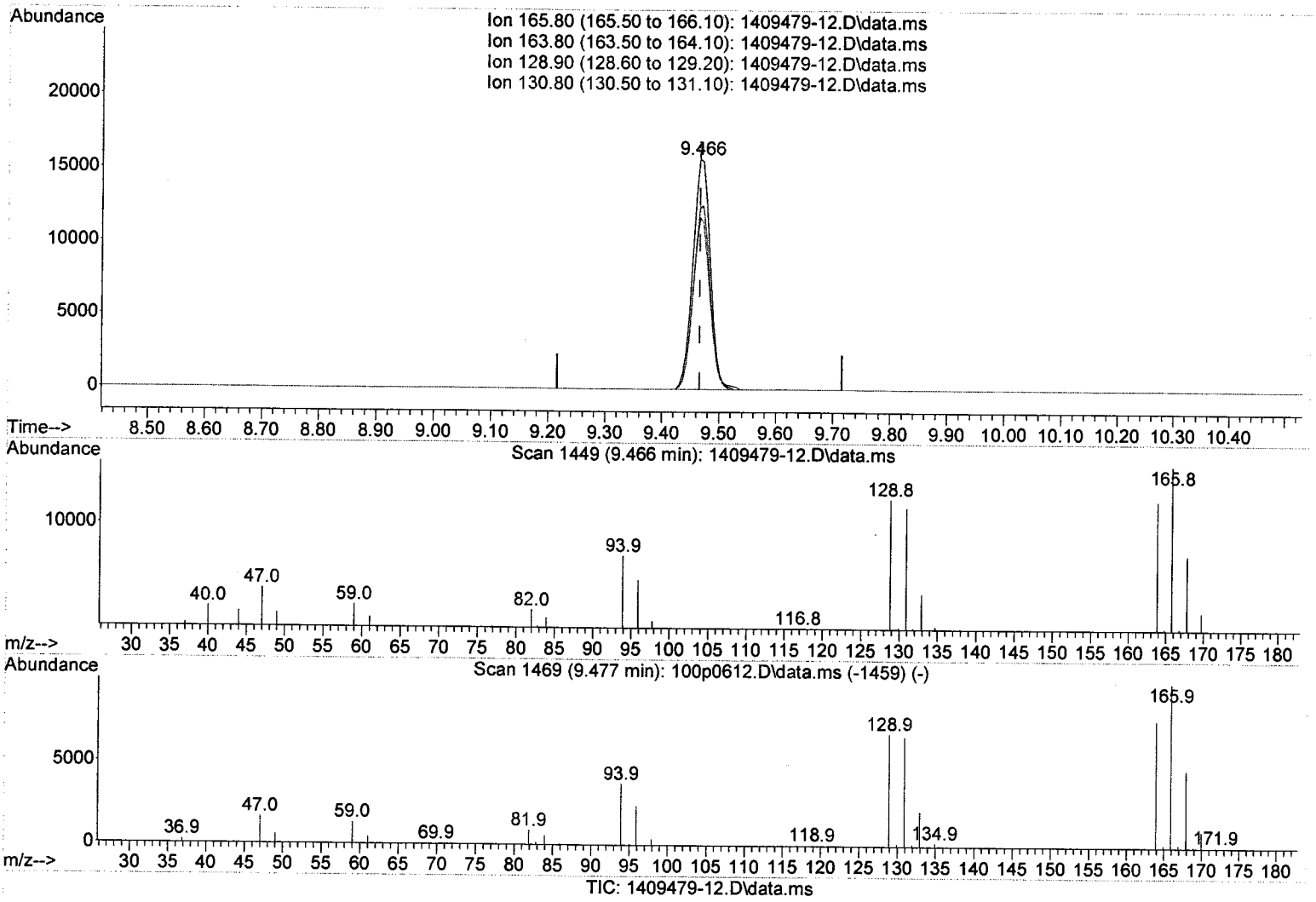
8.742min (+ 0.000) 0.26 ug/L

response 4290

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	55.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-12.D
Acq On : 01 Oct 2014 17:31
Operator : DLV
Sample : 1409479-12
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 02 07:01:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(51) tetrachloroethene

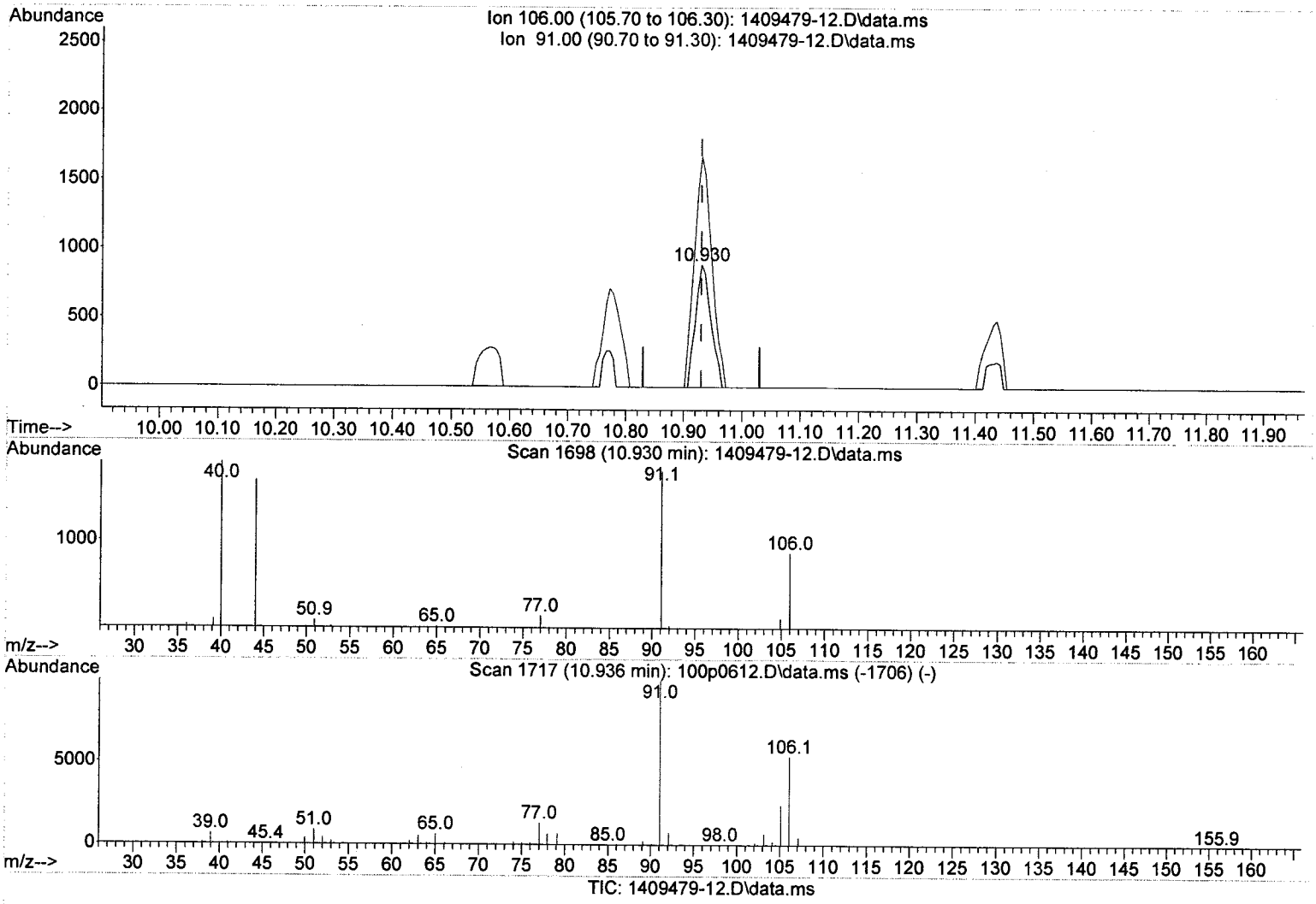
9.466min (-0.000) 8.52 ug/L

response 32943

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	79.10	78.51
128.90	74.40	77.10
130.80	71.60	72.21

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-12.D
Acq On : 01 Oct 2014 17:31
Operator : DLV
Sample : 1409479-12
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 02 07:01:08 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-12.D\data.ms

(60) m+p-xylene

10.930min (+ 0.000) 0.26 ug/L

response 1624

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	213.73
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB06-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-13 File ID: 1409479-13.D

Sampled: 09/25/14 14:20 Prepared: 10/01/14 08:00 Analyzed: 10/01/14 17:55

Solids: 97.70 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.4	4.6	5.4	5.4	U
71-43-2	Benzene	1	0.54	0.17	0.54	1.1	U
108-86-1	Bromobenzene	1	0.54	0.15	0.54	1.1	U
74-97-5	Bromochloromethane	1	0.54	0.16	0.54	1.1	U
75-27-4	Bromodichloromethane	1	0.54	0.19	0.54	1.1	U
75-25-2	Bromoform	1	0.54	0.39	0.54	1.1	U
74-83-9	Bromomethane	1	0.54	0.36	0.54	1.1	U
104-51-8	n-Butylbenzene	1	0.54	0.28	0.54	1.1	U
135-98-8	sec-Butylbenzene	1	0.54	0.23	0.54	1.1	U
98-06-6	tert-Butylbenzene	1	0.54	0.18	0.54	1.1	U
75-15-0	Carbon Disulfide	1	0.54	0.25	0.54	1.1	U
56-23-5	Carbon Tetrachloride	1	0.54	0.35	0.54	1.1	U
108-90-7	Chlorobenzene	1	0.54	0.16	0.54	1.1	U
75-00-3	Chloroethane	1	1.1	0.55	1.1	1.1	U
67-66-3	Chloroform	1	0.54	0.15	0.54	1.1	U
74-87-3	Chloromethane	1	0.54	0.28	0.54	1.1	U
95-49-8	2-Chlorotoluene	1	0.54	0.32	0.54	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.64	1.1	5.4	U
124-48-1	Dibromochloromethane	1	0.54	0.20	0.54	1.1	U
106-93-4	1,2-Dibromoethane	1	0.54	0.17	0.54	1.1	U
74-95-3	Dibromomethane	1	0.54	0.24	0.54	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.54	0.16	0.54	1.1	U
75-34-3	1,1-Dichloroethane	1	0.54	0.23	0.54	1.1	U
107-06-2	1,2-Dichloroethane	1	0.54	0.25	0.54	1.1	U
75-35-4	1,1-Dichloroethene	1	0.54	0.33	0.54	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.54	0.25	0.54	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.54	0.30	0.54	1.1	U
78-87-5	1,2-Dichloropropane	1	0.54	0.19	0.54	1.1	U
142-28-9	1,3-Dichloropropane	1	0.54	0.15	0.54	1.1	U
594-20-7	2,2-Dichloropropane	1	0.54	0.25	0.54	1.1	U
563-58-6	1,1-Dichloropropene	1	0.54	0.30	0.54	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.12	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.54	0.13	0.54	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB06-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-13
File ID: 1409479-13.D
Sampled: 09/25/14 14:20
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 17:55
Solids: 97.70
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.54	0.20	0.54	1.1	U
87-68-3	Hexachlorobutadiene	1	0.54	0.23	0.54	1.1	U
591-78-6	2-Hexanone	1	0.54	0.52	0.54	5.4	U
98-82-8	Isopropylbenzene	1	0.22	0.12	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.54	0.26	0.54	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.51	1.1	5.4	U
78-93-3	2-Butanone (MEK)	1	5.4	1.2	5.4	5.4	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.54	0.42	0.54	5.4	U
91-20-3	Naphthalene	1	0.54	0.18	0.54	5.4	U
103-65-1	n-Propylbenzene	1	0.54	0.13	0.54	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.54	0.16	0.54	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.54	0.16	0.54	1.1	U
127-18-4	Tetrachloroethene	1	0.54	0.19	0.54	1.1	U
108-88-3	Toluene	1	0.12	0.11	0.22	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.54	0.31	0.54	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.54	0.19	0.54	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.54	0.16	0.54	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.54	0.23	0.54	1.1	U
79-01-6	Trichloroethene	1	0.54	0.26	0.54	1.1	U
75-69-4	Trichlorofluoromethane	1	0.54	0.19	0.54	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.54	0.25	0.54	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.54	0.12	0.54	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.54	0.21	0.54	1.1	U
75-01-4	Vinyl Chloride	1	0.54	0.22	0.54	1.1	U
179601-23-1	Xylene, Meta + Para	1	0.26	0.16	0.44	2.2	J
95-47-6	Xylene, Ortho	1	0.22	0.12	0.22	1.1	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.6	104	78 - 119	
1,2-Dichloroethane-d4	40.0	44.7	112	71 - 136	
Toluene-d8	40.0	39.1	98	85 - 116	
4-Bromofluorobenzene	40.0	39.8	99	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	492843	6.266	452903	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB06-33

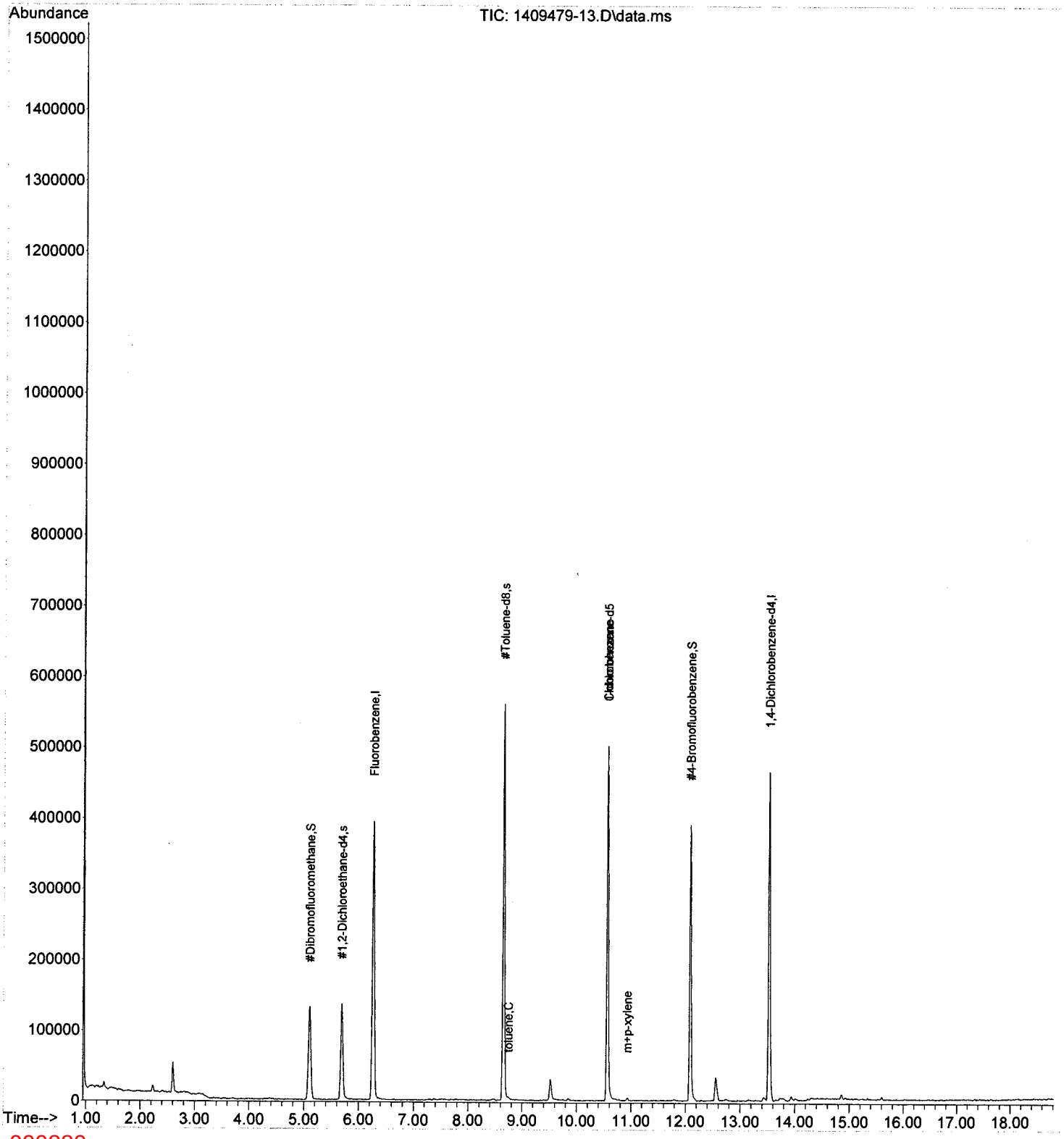
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-13
File ID: 1409479-13.D
Sampled: 09/25/14 14:20
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 17:55
Solids: 97.70
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	342638	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	164180	13.53	157021	13.525	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-13.D
Acq On : 01 Oct 2014 17:55
Operator : DLV
Sample : 1409479-13
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 02 07:01:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



000880

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-13.D
Acq On : 01 Oct 2014 17:55
Operator : DLV
Sample : 1409479-13
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 02 07:01:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	492843	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	342638	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	164180	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	128795	41.56	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.90%				
37) #1,2-Dichloroethane-d4	5.690	67	79093	44.74	ug/L		0.00
Spiked Amount 40.000			Recovery = 111.85%				
46) #Toluene-d8	8.654	98	468210	39.13	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.83%				
64) #4-Bromofluorobenzene	12.083	95	170821	39.77	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.43%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	12877	Below Cal		#	86
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	25642	Below Cal			98
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.319	43	2660	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

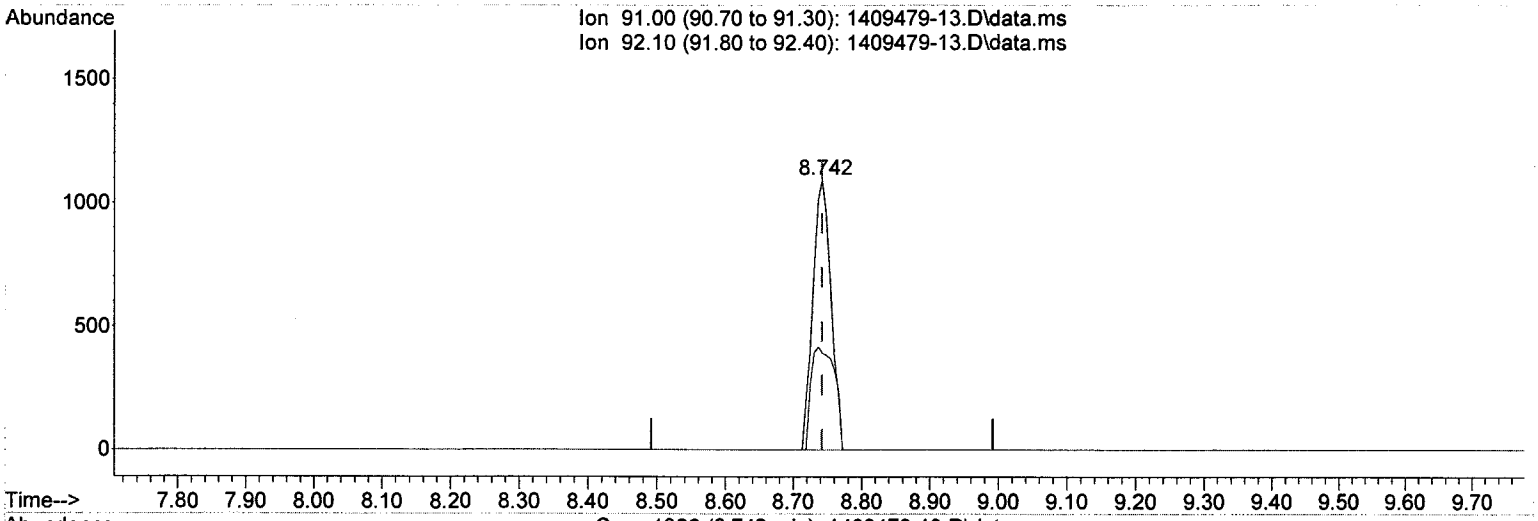
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-13.D
Acq On : 01 Oct 2014 17:55
Operator : DLV
Sample : 1409479-13
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 02 07:01:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

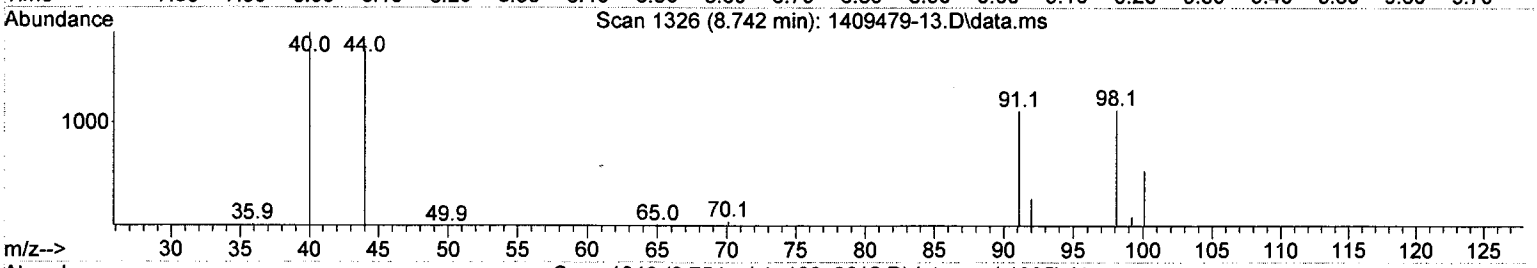
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	1993	0.11 ug/L #	22
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.566	55	2897	0.64 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	10.930	106	1804	0.24 ug/L	92
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

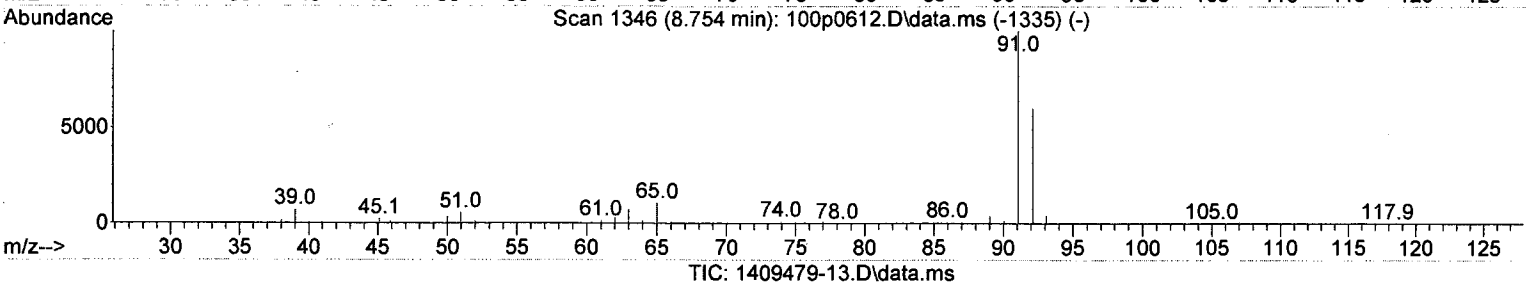
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-13.D
Acq On : 01 Oct 2014 17:55
Operator : DLV
Sample : 1409479-13
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 02 07:01:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration







TIC: 1409479-13.D\data.ms

(47) toluene (C)

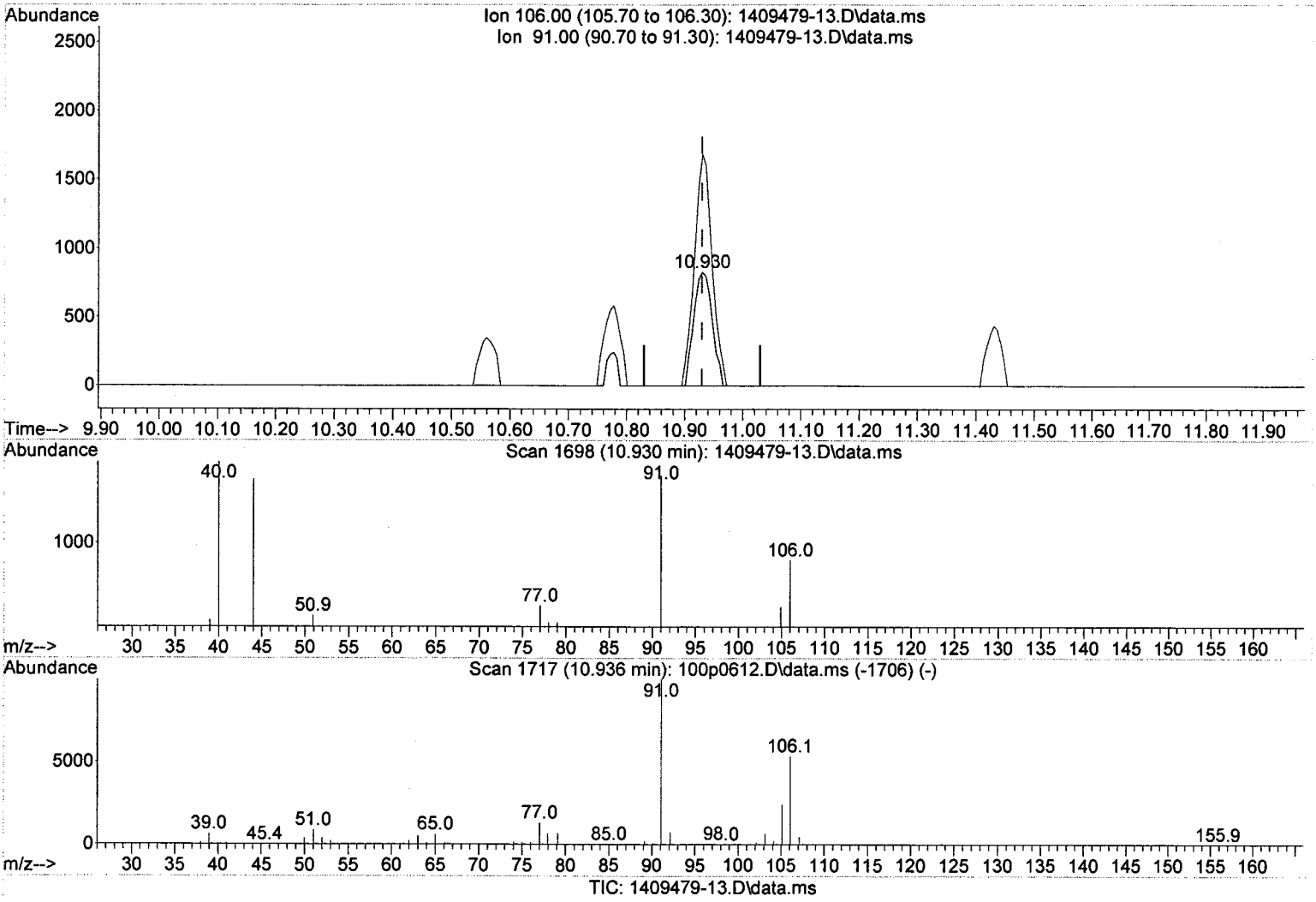
8.742min (+ 0.000) 0.11 ug/L

response 1993

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : 1409479-13.D
Acq On : 01 Oct 2014 17:55
Operator : DLV
Sample : 1409479-13
Misc : AECOM
ALS Vial : 24 Sample Multiplier: 1
Quant Time: Oct 02 07:01:11 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: 1409479-13.D\data.ms

(60) m+p-xylene

10.930min (+ 0.000) 0.24 ug/L

response 1804

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	207.20	195.34
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB07-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-14 File ID: 1409479-14.D

Sampled: 09/25/14 14:40 Prepared: 10/08/14 08:00 Analyzed: 10/08/14 14:42

Solids: 95.75 Preparation: 5035A Low Concentratio Initial/Final: 5.2 grams / 5 mL

QC Batch: 1410909 Sequence: 4J08061 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	17	4.4	5.2	5.2	
71-43-2	Benzene	1	0.52	0.17	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.57	0.24	0.52	1.0	J
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.16	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.53	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.27	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.62	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.097	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.24	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.24	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.13	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB07-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-14 File ID: 1409479-14.D

Sampled: 09/25/14 14:40 Prepared: 10/08/14 08:00 Analyzed: 10/08/14 14:42

Solids: 95.75 Preparation: 5035A Low Concentratio Initial/Final: 5.2 grams / 5 mL

QC Batch: 1410909 Sequence: 4J08061 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.52	0.19	0.52	1.0	U
87-68-3	Hexachlorobutadiene	1	0.52	0.22	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.49	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	2.0	1.2	5.2	5.2	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	2.9	0.18	0.52	1.0	
108-88-3	Toluene	1	0.18	0.10	0.21	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.42	0.15	0.52	1.0	J
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.16	0.12	0.52	1.0	J
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.38	0.15	0.42	2.1	J
95-47-6	Xylene, Ortho	1	0.21	0.12	0.21	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.9	102	78 - 119	
1,2-Dichloroethane-d4	40.0	42.1	105	71 - 136	
Toluene-d8	40.0	39.4	98	85 - 116	
4-Bromofluorobenzene	40.0	38.9	97	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	457141	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB07-08

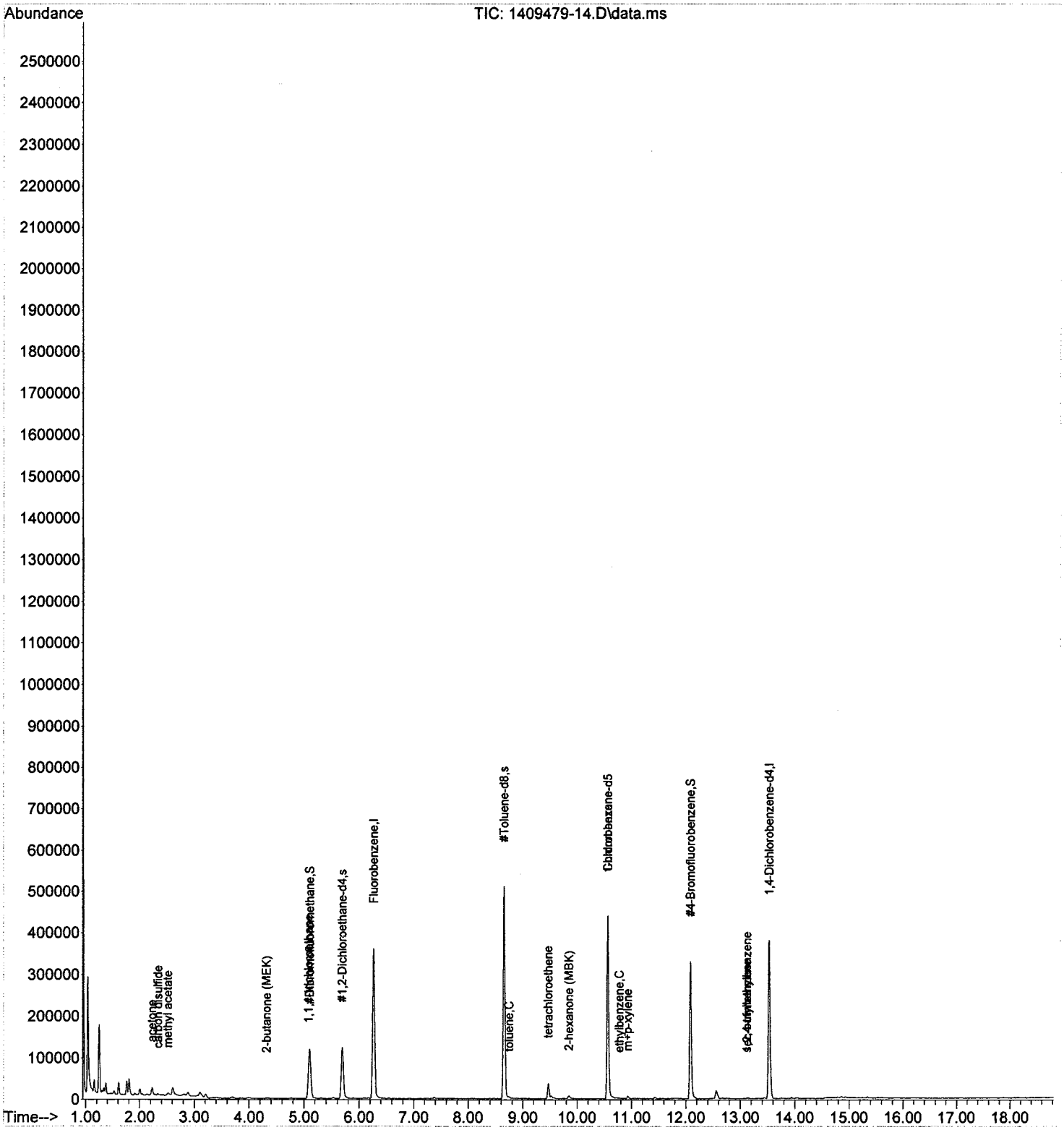
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-14
File ID: 1409479-14.D
Sampled: 09/25/14 14:40
Prepared: 10/08/14 08:00
Analyzed: 10/08/14 14:42
Solids: 95.75
Preparation: 5035A Low Concentratio
Initial/Final: 5.2 grams / 5 mL
QC Batch: 1410909
Sequence: 4J08061
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	310302	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	138949	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-14.D
Acq On : 08 Oct 2014 14:42
Operator : DLV
Sample : 1409479-14
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 08 15:01:57 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-14.D
Acq On : 08 Oct 2014 14:42
Operator : DLV
Sample : 1409479-14
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 08 15:01:57 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	457141	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	310302	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	138949	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	116002	40.88	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.20%				
37) #1,2-Dichloroethane-d4	5.690	67	70120	42.08	ug/L		0.00
Spiked Amount 40.000			Recovery = 105.20%				
46) #Toluene-d8	8.654	98	435585	39.40	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.50%				
64) #4-Bromofluorobenzene	12.083	95	149419	38.91	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.27%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.225	43	27203	✓ 16.70	ug/L		99
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	5236	✓ 0.57	ug/L	#	75
16) methyl acetate	2.513	43	1534	0.49	ug/L	#	60
17) methylene chloride	2.602	49	10138	Below Cal			99
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.319	43	3621	✓ 2.02	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	5.084	97	2232	✓ 0.42	ug/L	#	23
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

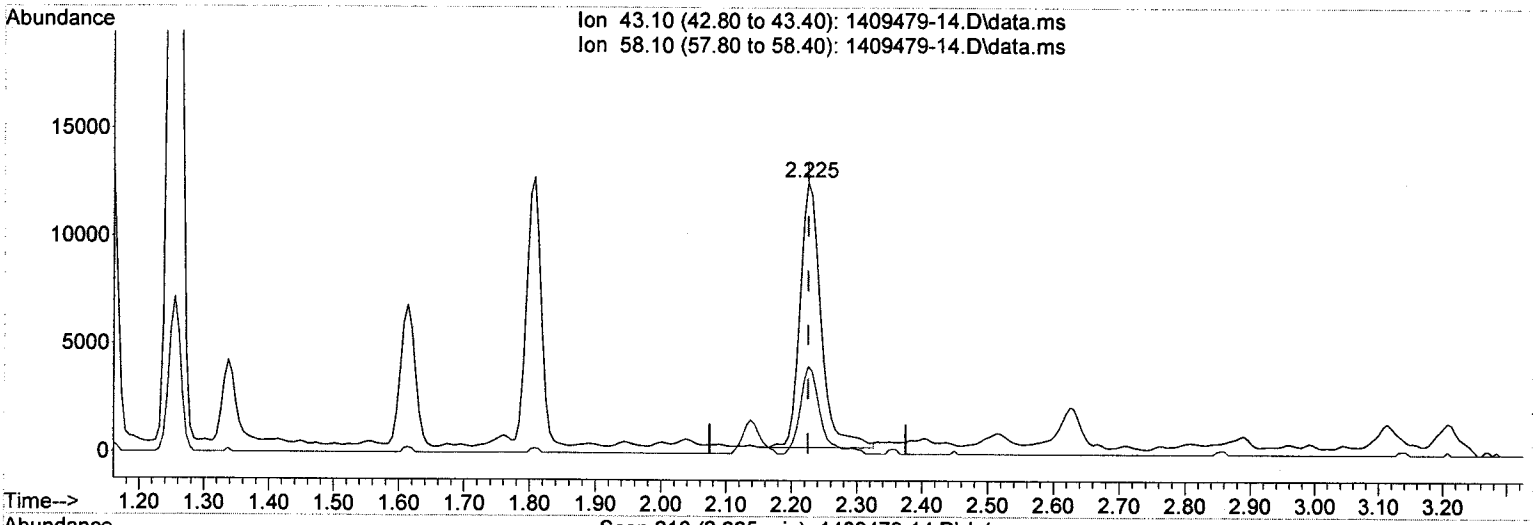
InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-14.D
Acq On : 08 Oct 2014 14:42
Operator : DLV
Sample : 1409479-14
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 08 15:01:57 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

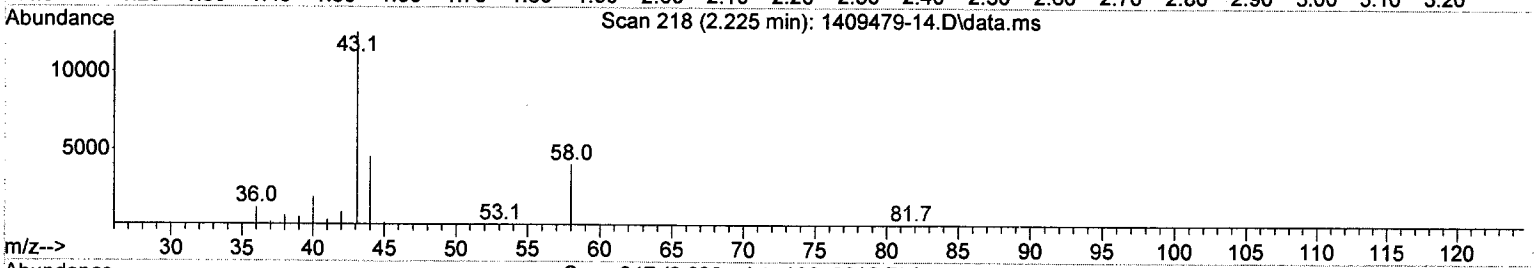
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	3080	0.18 ug/L #	23
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	9.466	166	13177	2.91 ug/L	97
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.848	43	2658	1.07 ug/L #	21
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2667	0.63 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	1678	0.09 ug/L #	45
60) m+p-xylene	10.931	106	2624	0.38 ug/L #	87
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.125	105	2112	0.16 ug/L #	31
77) sec-butylbenzene	13.125	105	2112	0.12 ug/L #	58
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

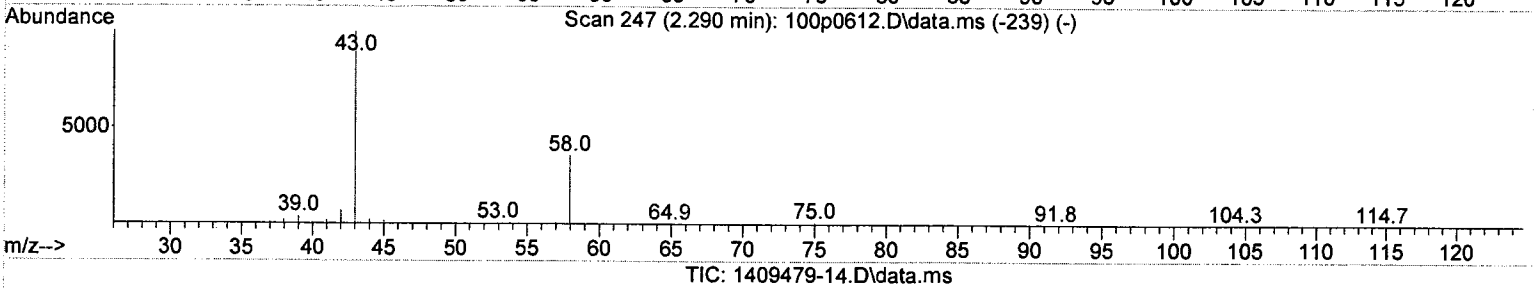
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-14.D
Acq On : 08 Oct 2014 14:42
Operator : DLV
Sample : 1409479-14
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 08 15:01:57 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409479-14.D\data.ms

(13) acetone

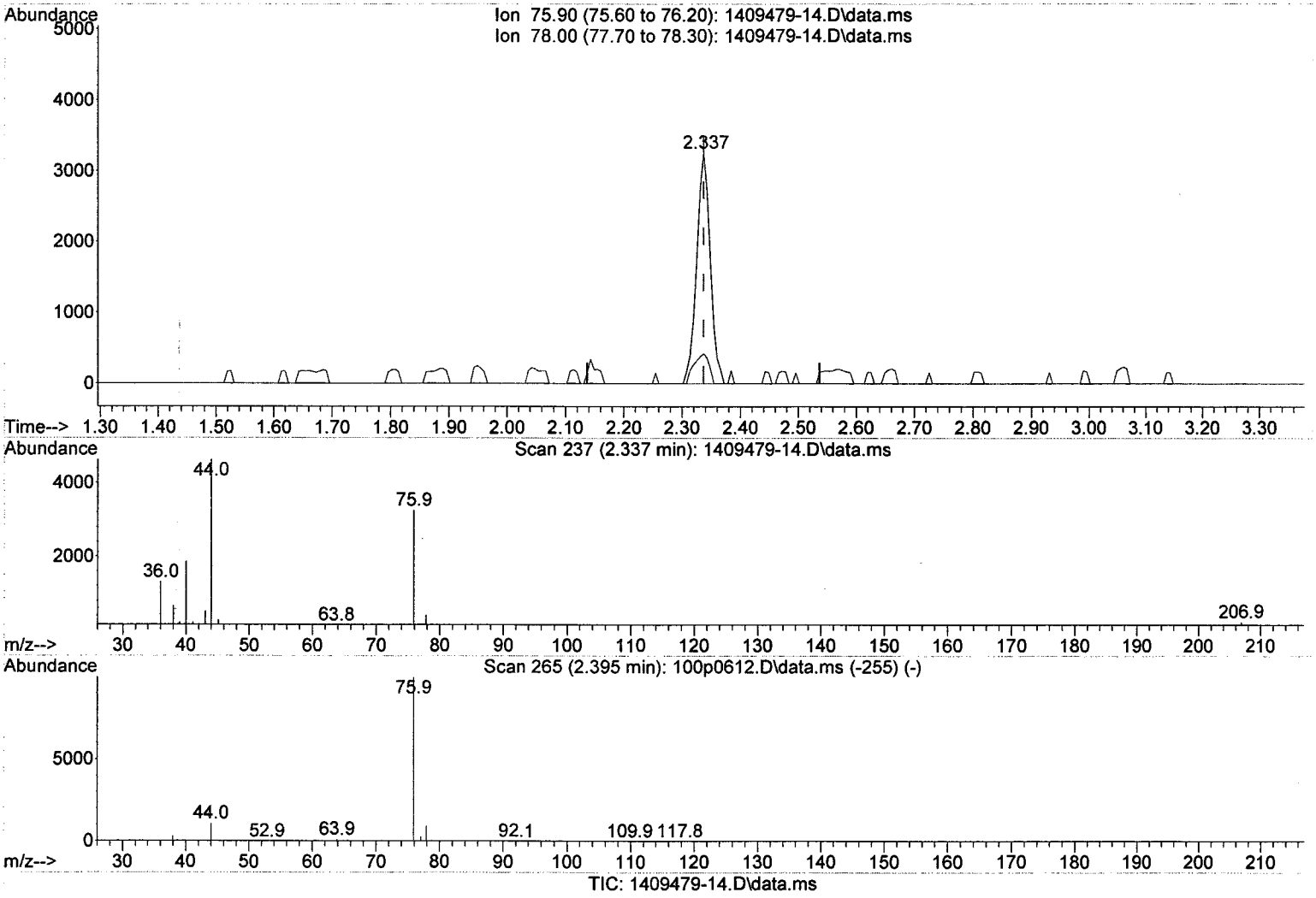
2.225min (+ 0.000) 16.70 ug/L

response 27203

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	31.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-14.D
Acq On : 08 Oct 2014 14:42
Operator : DLV
Sample : 1409479-14
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 08 15:01:57 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-14.D\data.ms

(15) carbon disulfide

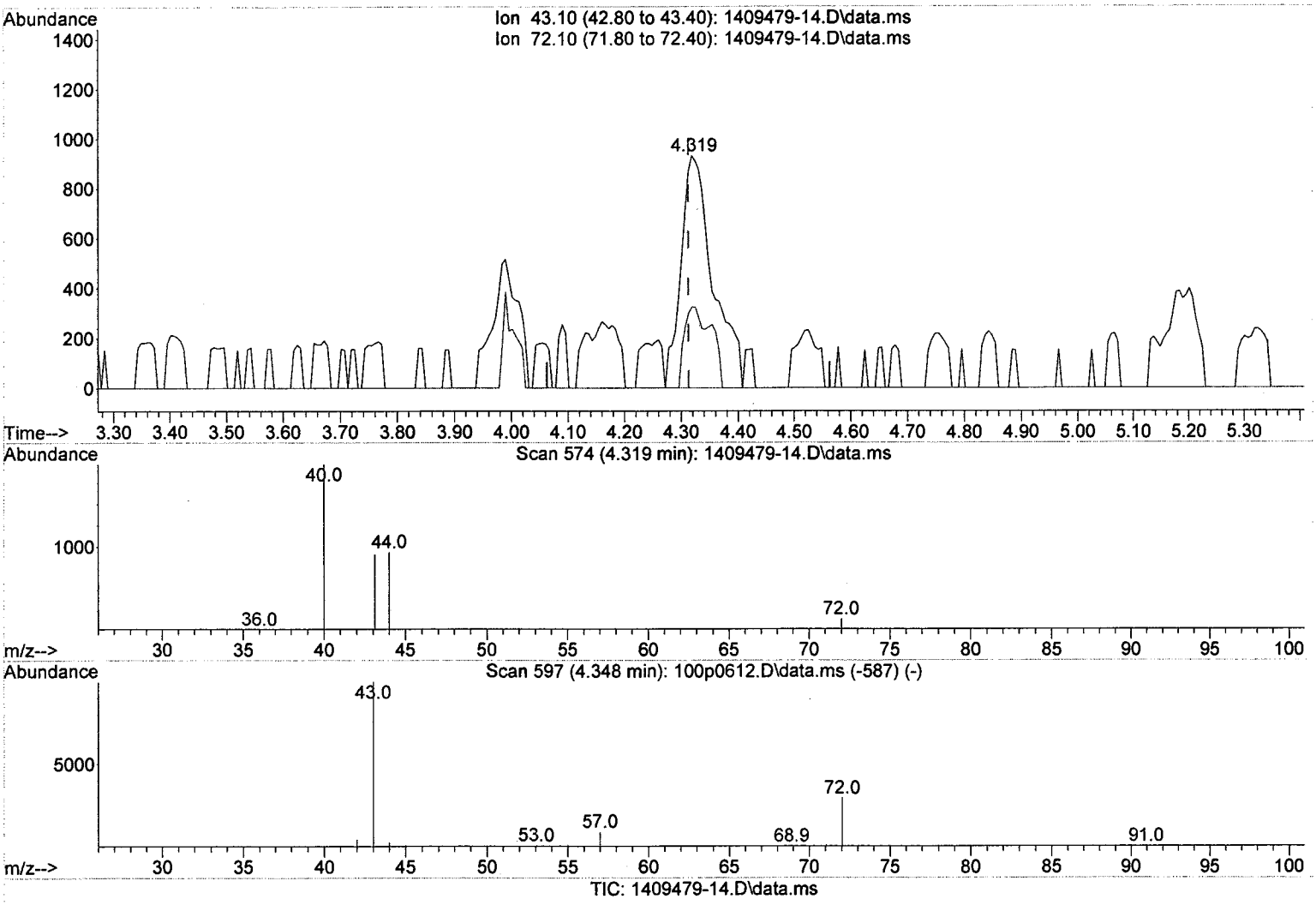
2.337min (-0.000) 0.57 ug/L

response 5236

Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-14.D
Acq On : 08 Oct 2014 14:42
Operator : DLV
Sample : 1409479-14
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 08 15:01:57 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-14.D\data.ms

(25) 2-butanone (MEK)

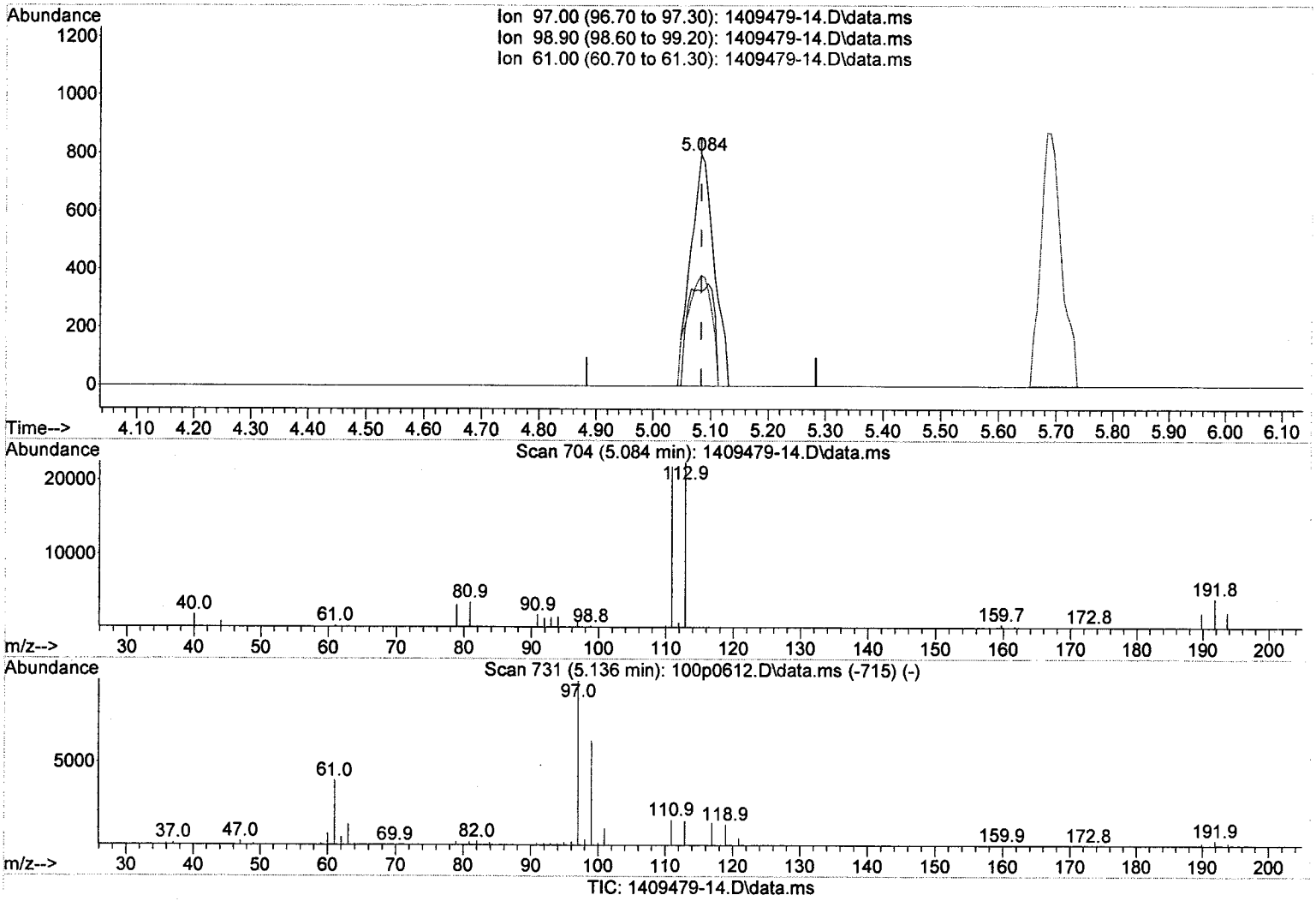
4.319min (+ 0.006) 2.02 ug/L

response 3621

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-14.D
Acq On : 08 Oct 2014 14:42
Operator : DLV
Sample : 1409479-14
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 08 15:01:57 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-14.D\data.ms

(30) 1,1,1-trichloroethane

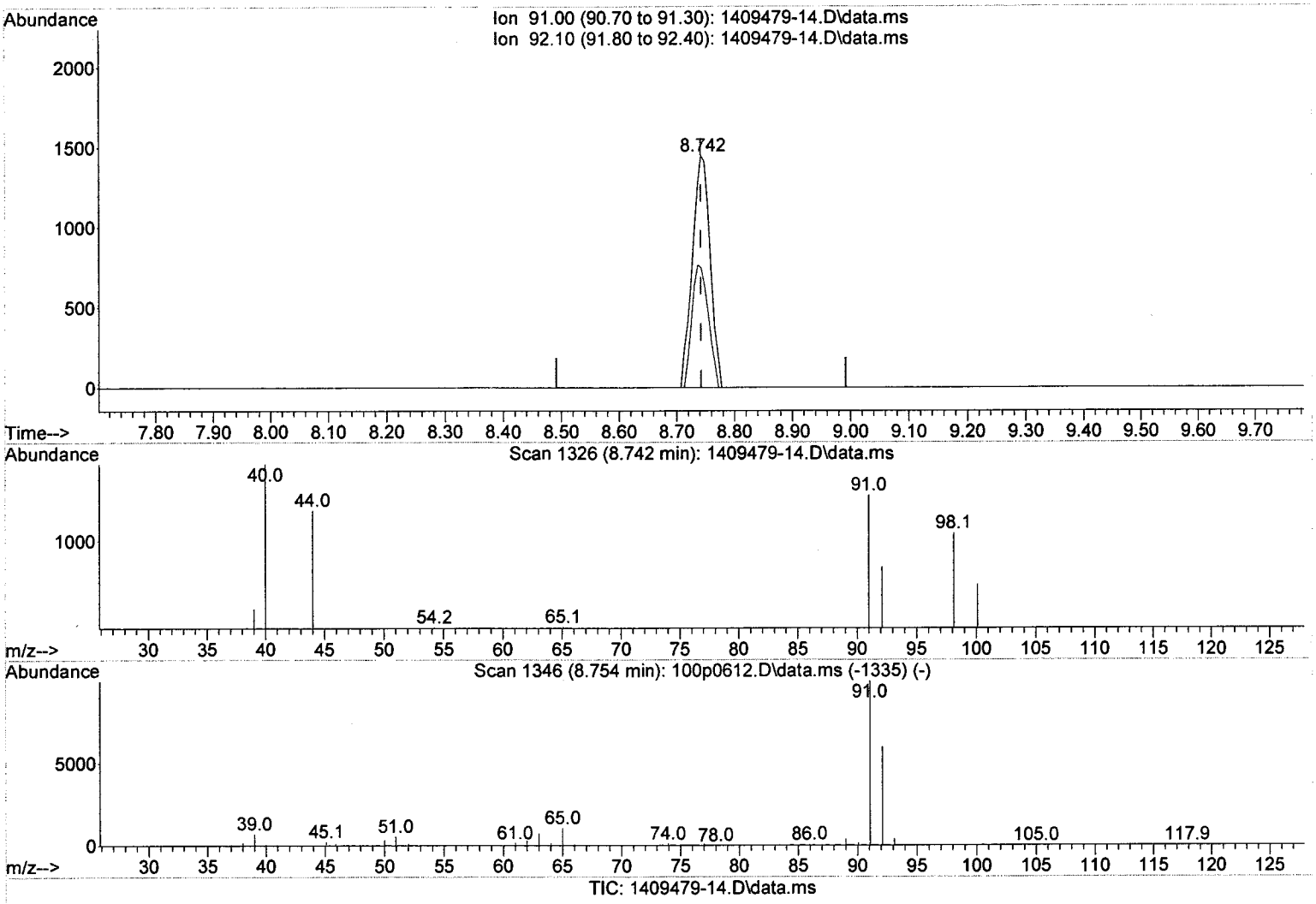
5.084min (-0.000) 0.42 ug/L

response 2232

Ion	Exp%	Act%
97.00	100.00	100.00
98.90	62.60	0.00#
61.00	48.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-14.D
Acq On : 08 Oct 2014 14:42
Operator : DLV
Sample : 1409479-14
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 08 15:01:57 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-14.D\data.ms

(47) toluene (C)

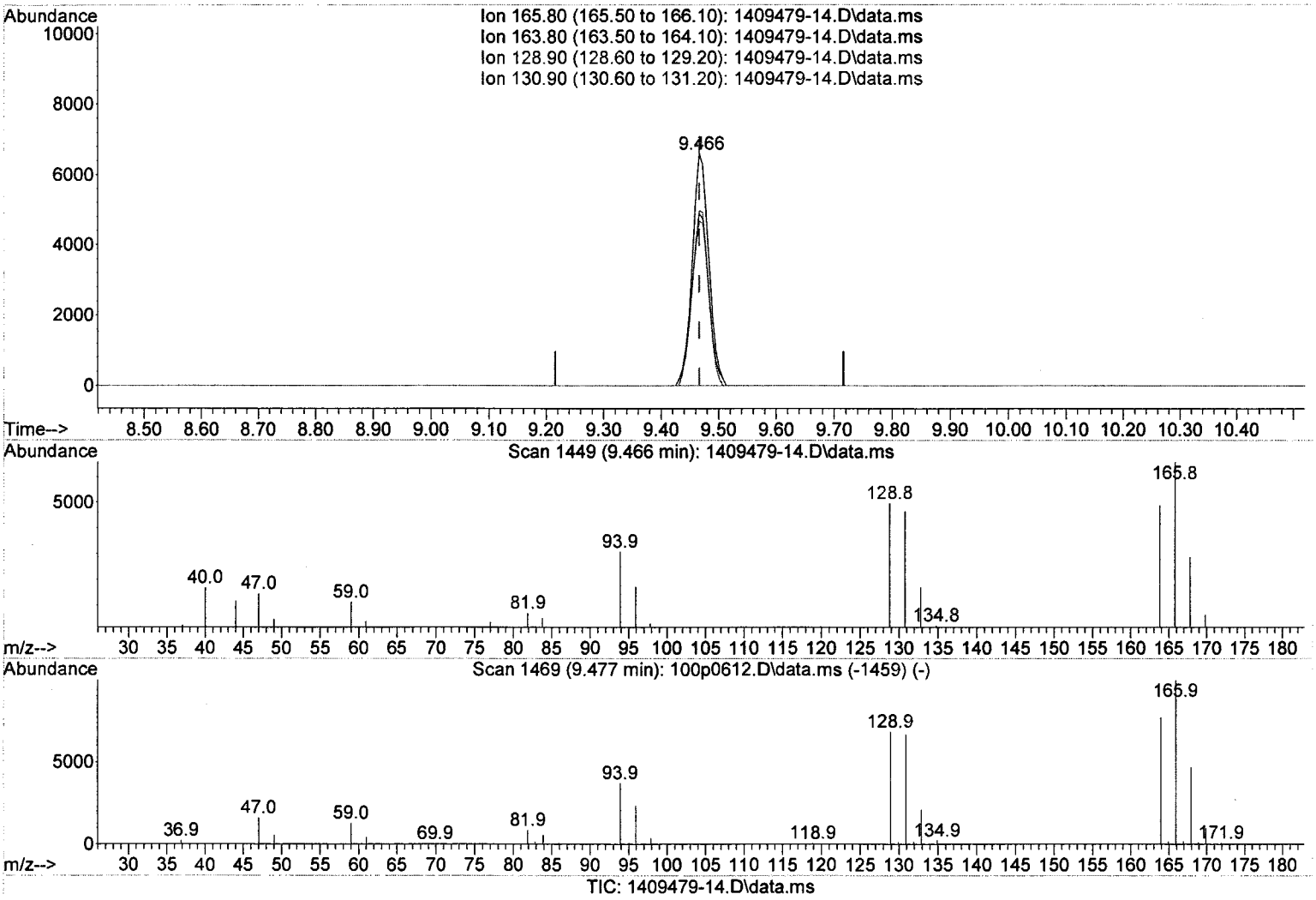
8.742min (+ 0.000) 0.18 ug/L

response 3080

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-14.D
Acq On : 08 Oct 2014 14:42
Operator : DLV
Sample : 1409479-14
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 08 15:01:57 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-14.D\data.ms

(51) tetrachloroethene

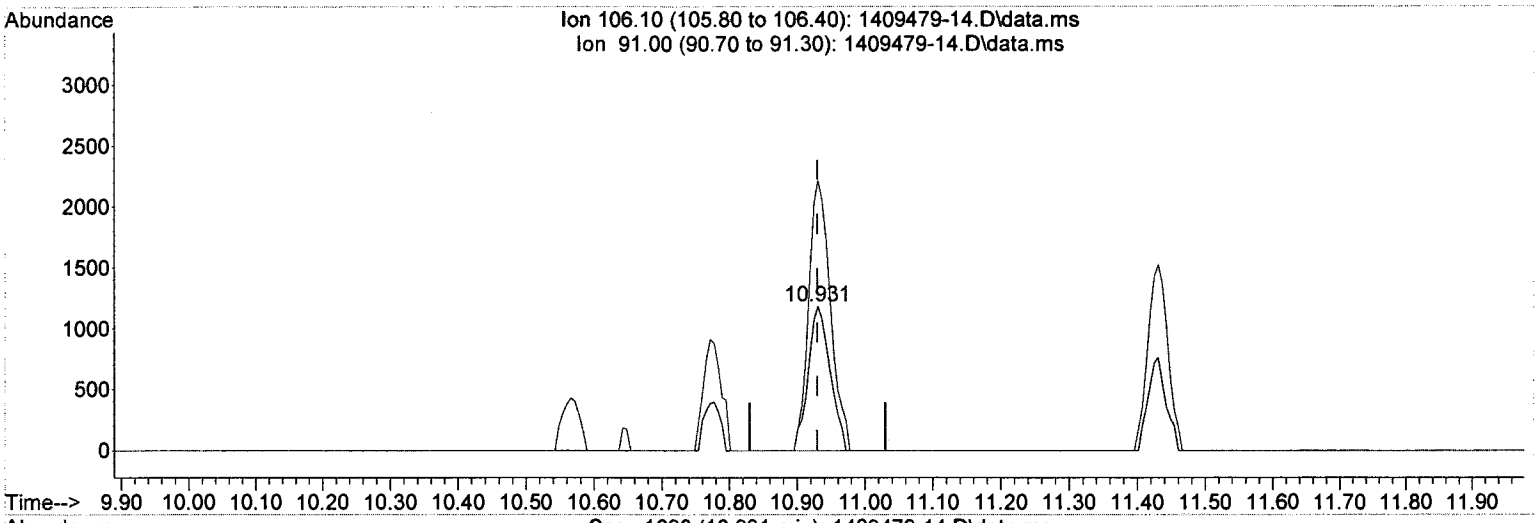
9.466min (-0.000) 2.91 ug/L

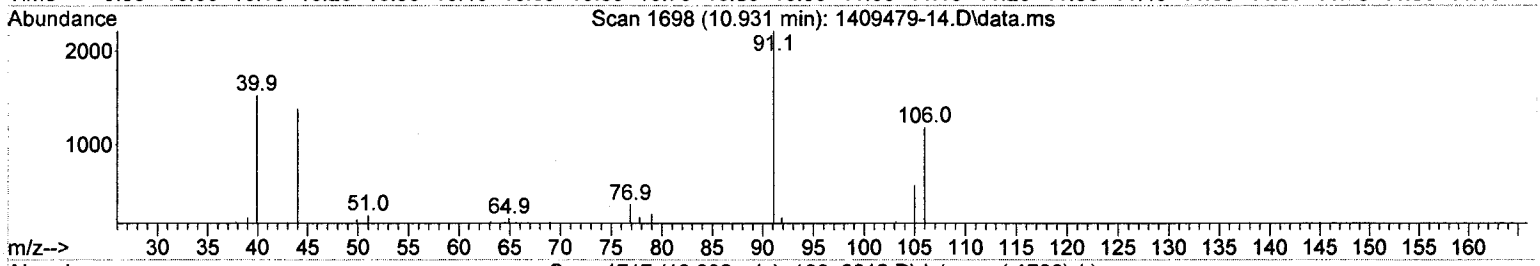
response 13177

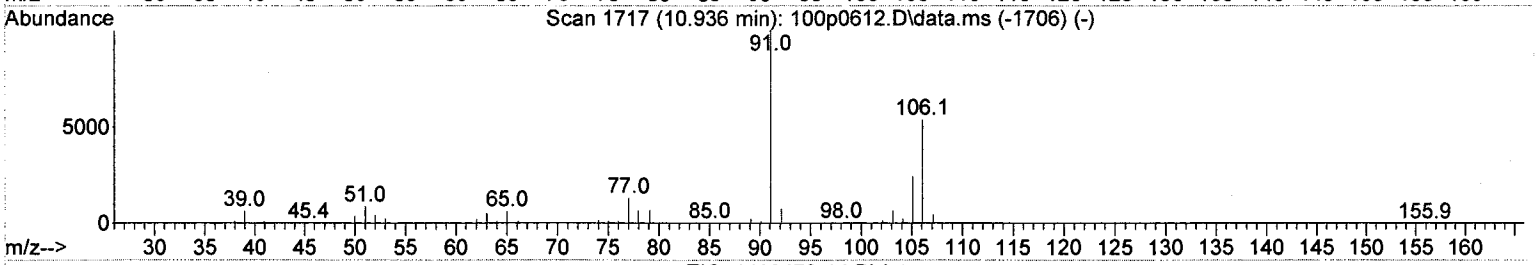
Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	75.27
128.90	74.10	75.06
130.90	70.00	74.43

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-14.D
Acq On : 08 Oct 2014 14:42
Operator : DLV
Sample : 1409479-14
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 08 15:01:57 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409479-14.D\data.ms

(60) m+p-xylene

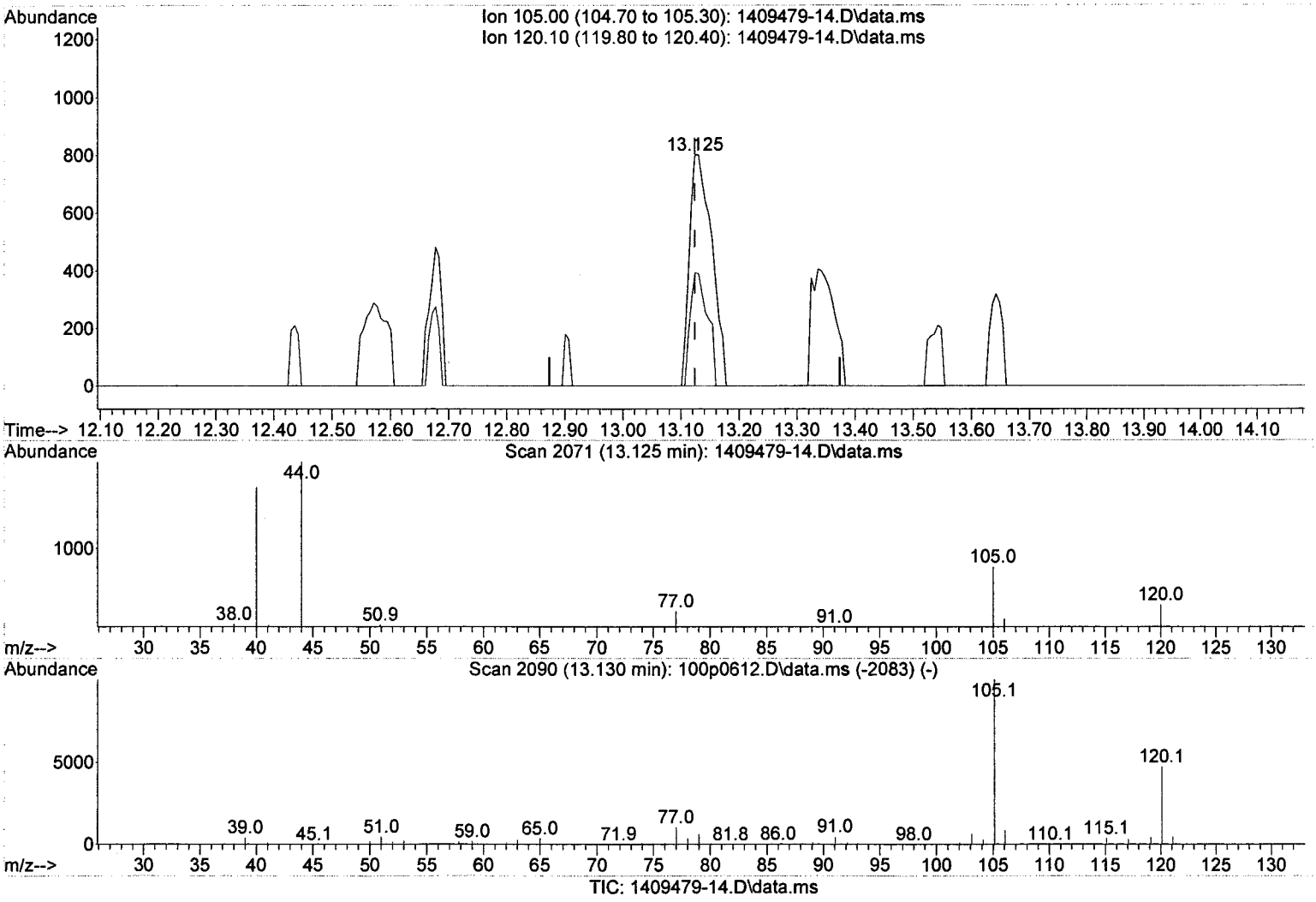
10.931min (+ 0.001) 0.38 ug/L

response 2624

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	187.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-14.D
Acq On : 08 Oct 2014 14:42
Operator : DLV
Sample : 1409479-14
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 08 15:01:57 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(76) 1,2,4-trimethylbenzene

13.125min (+ 0.001) 0.16 ug/L

response 2112

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	45.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB07-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-15 File ID: 1409479-15.D

Sampled: 09/25/14 15:15 Prepared: 10/08/14 08:00 Analyzed: 10/08/14 15:05

Solids: 97.44 Preparation: 5035A Low Concentratio Initial/Final: 4.6 grams / 5 mL

QC Batch: 1410909 Sequence: 4J08061 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	7.7	4.7	5.6	5.6	
71-43-2	Benzene	1	0.56	0.18	0.56	1.1	U
108-86-1	Bromobenzene	1	0.56	0.15	0.56	1.1	U
74-97-5	Bromochloromethane	1	0.56	0.16	0.56	1.1	U
75-27-4	Bromodichloromethane	1	0.56	0.19	0.56	1.1	U
75-25-2	Bromoform	1	0.56	0.40	0.56	1.1	U
74-83-9	Bromomethane	1	0.56	0.37	0.56	1.1	U
104-51-8	n-Butylbenzene	1	0.56	0.29	0.56	1.1	U
135-98-8	sec-Butylbenzene	1	0.56	0.24	0.56	1.1	U
98-06-6	tert-Butylbenzene	1	0.56	0.19	0.56	1.1	U
75-15-0	Carbon Disulfide	1	0.56	0.26	0.56	1.1	U
56-23-5	Carbon Tetrachloride	1	0.56	0.36	0.56	1.1	U
108-90-7	Chlorobenzene	1	0.56	0.17	0.56	1.1	U
75-00-3	Chloroethane	1	1.1	0.56	1.1	1.1	U
67-66-3	Chloroform	1	0.56	0.16	0.56	1.1	U
74-87-3	Chloromethane	1	0.56	0.28	0.56	1.1	U
95-49-8	2-Chlorotoluene	1	0.56	0.33	0.56	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.66	1.1	5.6	U
124-48-1	Dibromochloromethane	1	0.56	0.21	0.56	1.1	U
106-93-4	1,2-Dibromoethane	1	0.56	0.17	0.56	1.1	U
74-95-3	Dibromomethane	1	0.56	0.25	0.56	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.56	0.16	0.56	1.1	U
75-34-3	1,1-Dichloroethane	1	0.56	0.23	0.56	1.1	U
107-06-2	1,2-Dichloroethane	1	0.56	0.25	0.56	1.1	U
75-35-4	1,1-Dichloroethene	1	0.56	0.34	0.56	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.56	0.25	0.56	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.56	0.30	0.56	1.1	U
78-87-5	1,2-Dichloropropane	1	0.56	0.19	0.56	1.1	U
142-28-9	1,3-Dichloropropane	1	0.56	0.16	0.56	1.1	U
594-20-7	2,2-Dichloropropane	1	0.56	0.26	0.56	1.1	U
563-58-6	1,1-Dichloropropene	1	0.56	0.31	0.56	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.13	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.56	0.13	0.56	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB07-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-15 File ID: 1409479-15.D

Sampled: 09/25/14 15:15 Prepared: 10/08/14 08:00 Analyzed: 10/08/14 15:05

Solids: 97.44 Preparation: 5035A Low Concentratio Initial/Final: 4.6 grams / 5 mL

QC Batch: 1410909 Sequence: 4J08061 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.56	0.21	0.56	1.1	U
87-68-3	Hexachlorobutadiene	1	0.56	0.23	0.56	1.1	U
591-78-6	2-Hexanone	1	0.56	0.54	0.56	5.6	U
98-82-8	Isopropylbenzene	1	0.22	0.12	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.56	0.27	0.56	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.52	1.1	5.6	U
78-93-3	2-Butanone (MEK)	1	5.6	1.2	5.6	5.6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.56	0.43	0.56	5.6	U
91-20-3	Naphthalene	1	0.56	0.18	0.56	5.6	U
103-65-1	n-Propylbenzene	1	0.56	0.13	0.56	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.56	0.17	0.56	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.56	0.16	0.56	1.1	U
127-18-4	Tetrachloroethene	1	0.56	0.19	0.56	1.1	U
108-88-3	Toluene	1	0.15	0.11	0.22	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.56	0.32	0.56	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.56	0.19	0.56	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.56	0.16	0.56	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.56	0.24	0.56	1.1	U
79-01-6	Trichloroethene	1	0.56	0.27	0.56	1.1	U
75-69-4	Trichlorofluoromethane	1	0.56	0.19	0.56	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.56	0.25	0.56	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.56	0.13	0.56	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.56	0.22	0.56	1.1	U
75-01-4	Vinyl Chloride	1	0.56	0.22	0.56	1.1	U
179601-23-1	Xylene, Meta + Para	1	0.26	0.16	0.45	2.2	J
95-47-6	Xylene, Ortho	1	0.22	0.12	0.22	1.1	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.2	105	78 - 119	
1,2-Dichloroethane-d4	40.0	42.8	107	71 - 136	
Toluene-d8	40.0	39.6	99	85 - 116	
4-Bromofluorobenzene	40.0	40.8	102	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	432234	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB07-33

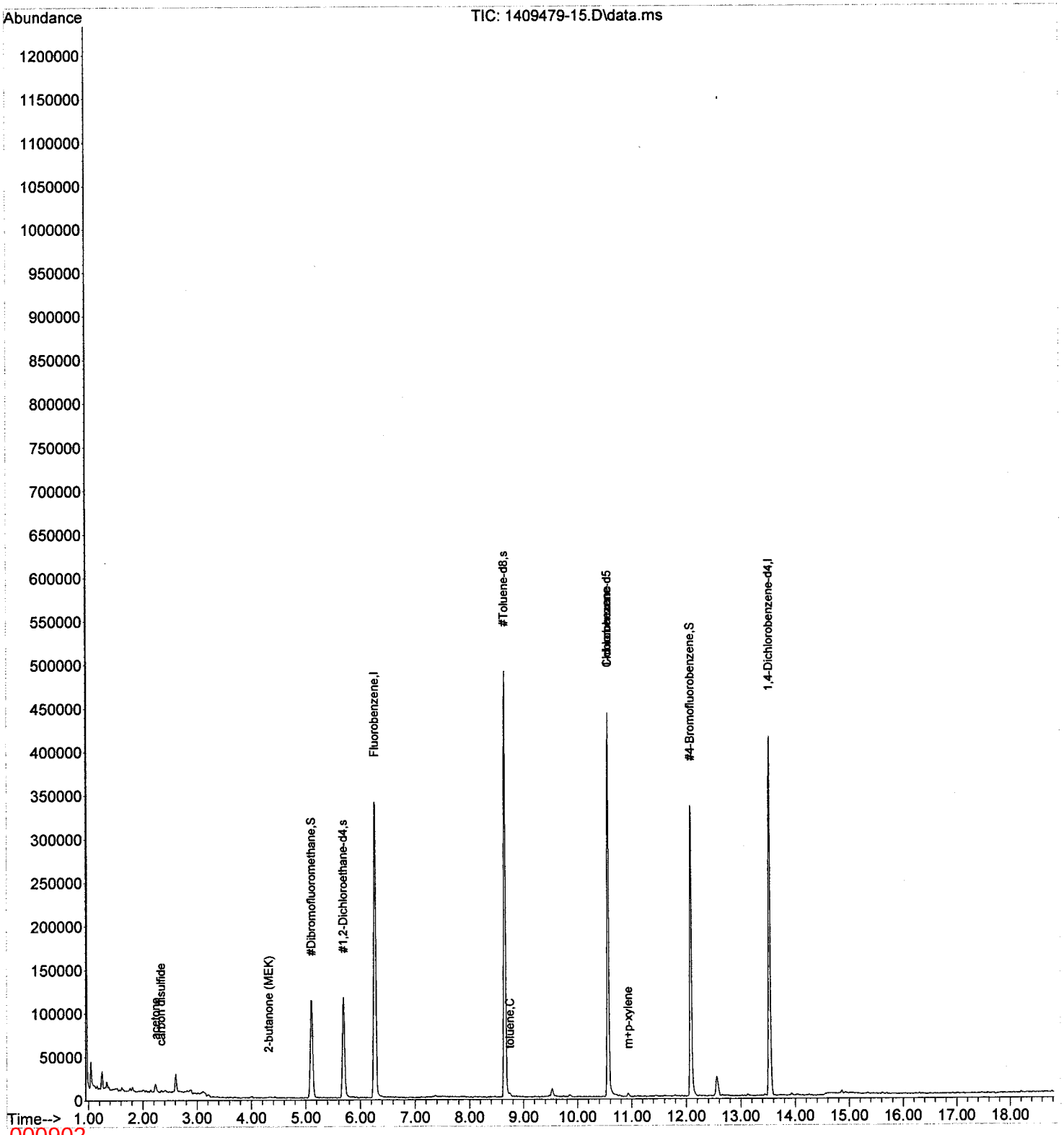
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-15
File ID: 1409479-15.D
Sampled: 09/25/14 15:15
Prepared: 10/08/14 08:00
Analyzed: 10/08/14 15:05
Solids: 97.44
Preparation: 5035A Low Concentratio
Initial/Final: 4.6 grams / 5 mL
QC Batch: 1410909
Sequence: 4J08061
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	301534	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	148236	13.531	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-15.D
Acq On : 08 Oct 2014 15:05
Operator : DLV
Sample : 1409479-15
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 08 15:30:00 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-15.D
Acq On : 08 Oct 2014 15:05
Operator : DLV
Sample : 1409479-15
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 08 15:30:00 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	432234	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	301534	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.531	152	148236	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	113164	42.18	ug/L		0.00
Spiked Amount 40.000			Recovery =	105.45%			
37) #1,2-Dichloroethane-d4	5.690	67	67478	42.83	ug/L		0.00
Spiked Amount 40.000			Recovery =	107.07%			
46) #Toluene-d8	8.654	98	413582	39.57	ug/L		0.00
Spiked Amount 40.000			Recovery =	98.92%			
64) #4-Bromofluorobenzene	12.084	95	152142	40.77	ug/L		0.00
Spiked Amount 40.000			Recovery =	101.93%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	14803	6.94	ug/L	#	88
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	1714	0.20	ug/L	#	75
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.608	49	12756	Below Cal			97
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.319	43	2612	1.54	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

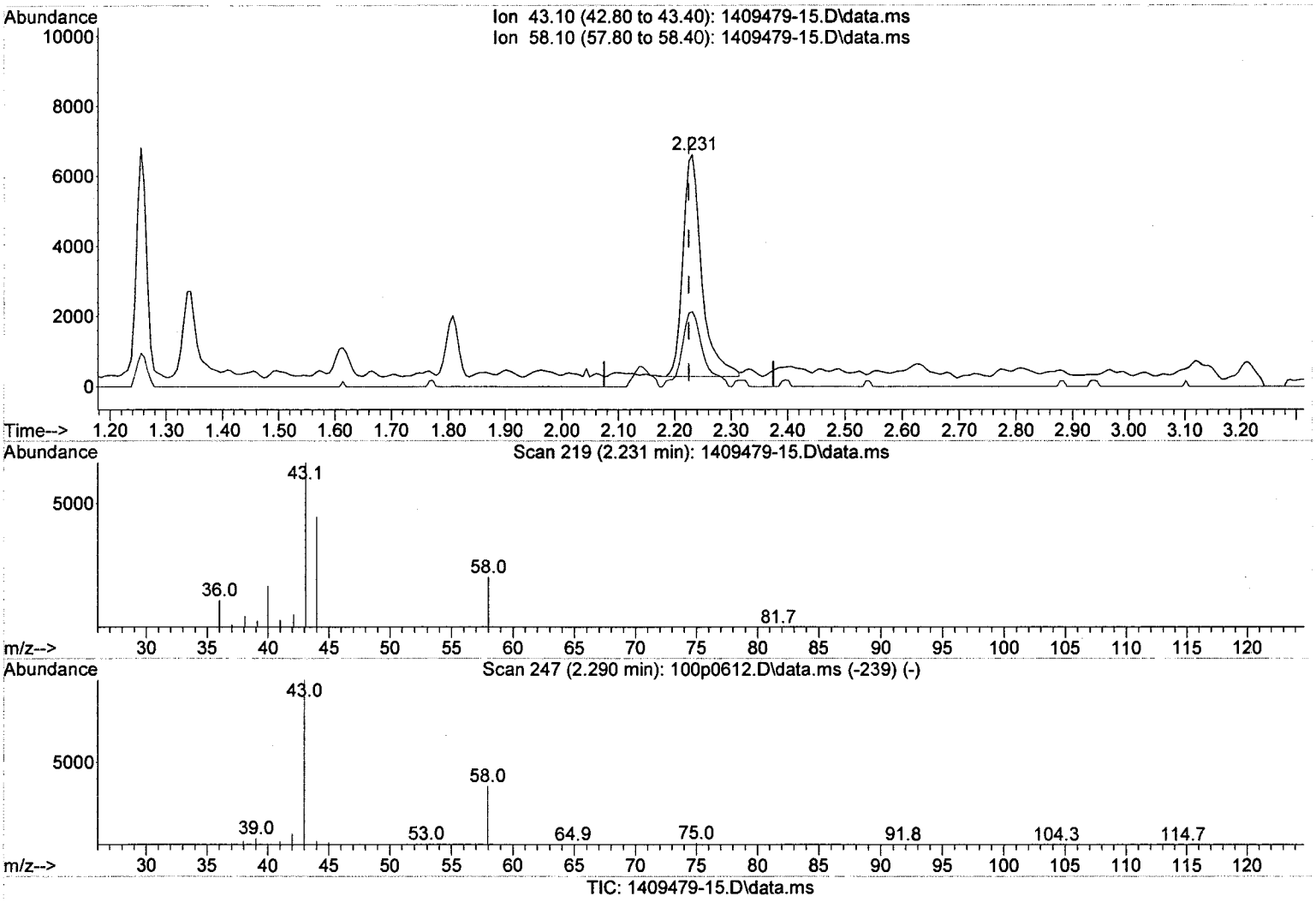
InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-15.D
Acq On : 08 Oct 2014 15:05
Operator : DLV
Sample : 1409479-15
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 08 15:30:00 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	8.748	91	2180	0.13	ug/L #	23
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.566	55	2390	0.58	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	0.000		0	N.D.		
60) m+p-xylene	10.937	106	1505	0.23	ug/L	89
61) o-xylene	0.000		0	N.D.		
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	0.000		0	N.D.		
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-15.D
Acq On : 08 Oct 2014 15:05
Operator : DLV
Sample : 1409479-15
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 08 15:30:00 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-15.D\data.ms

(13) acetone

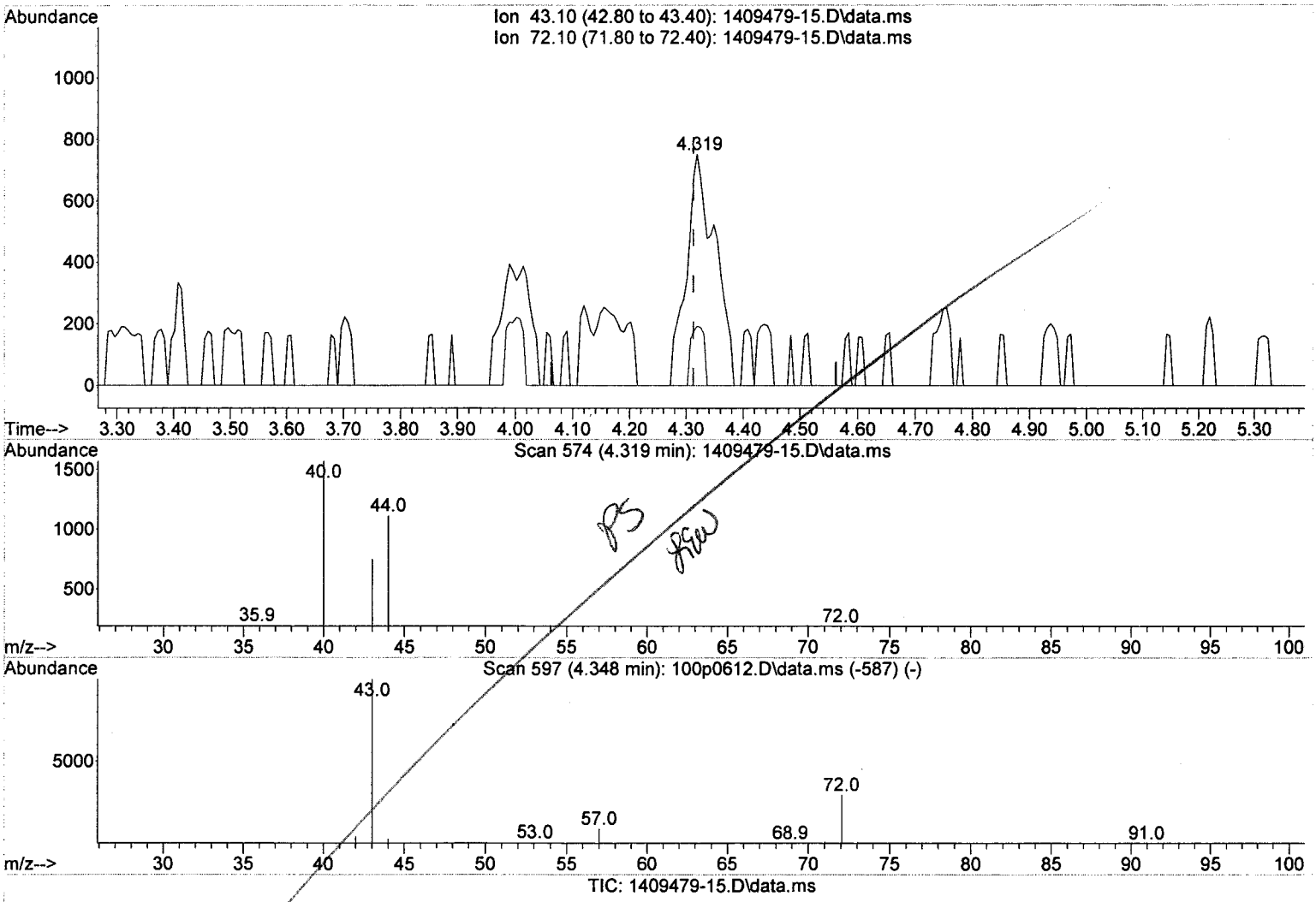
2.231min (+ 0.006) 6.94 ug/L

response 14803

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	37.65#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-15.D
Acq On : 08 Oct 2014 15:05
Operator : DLV
Sample : 1409479-15
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 08 15:30:00 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-15.D\data.ms

(25) 2-butanone (MEK)

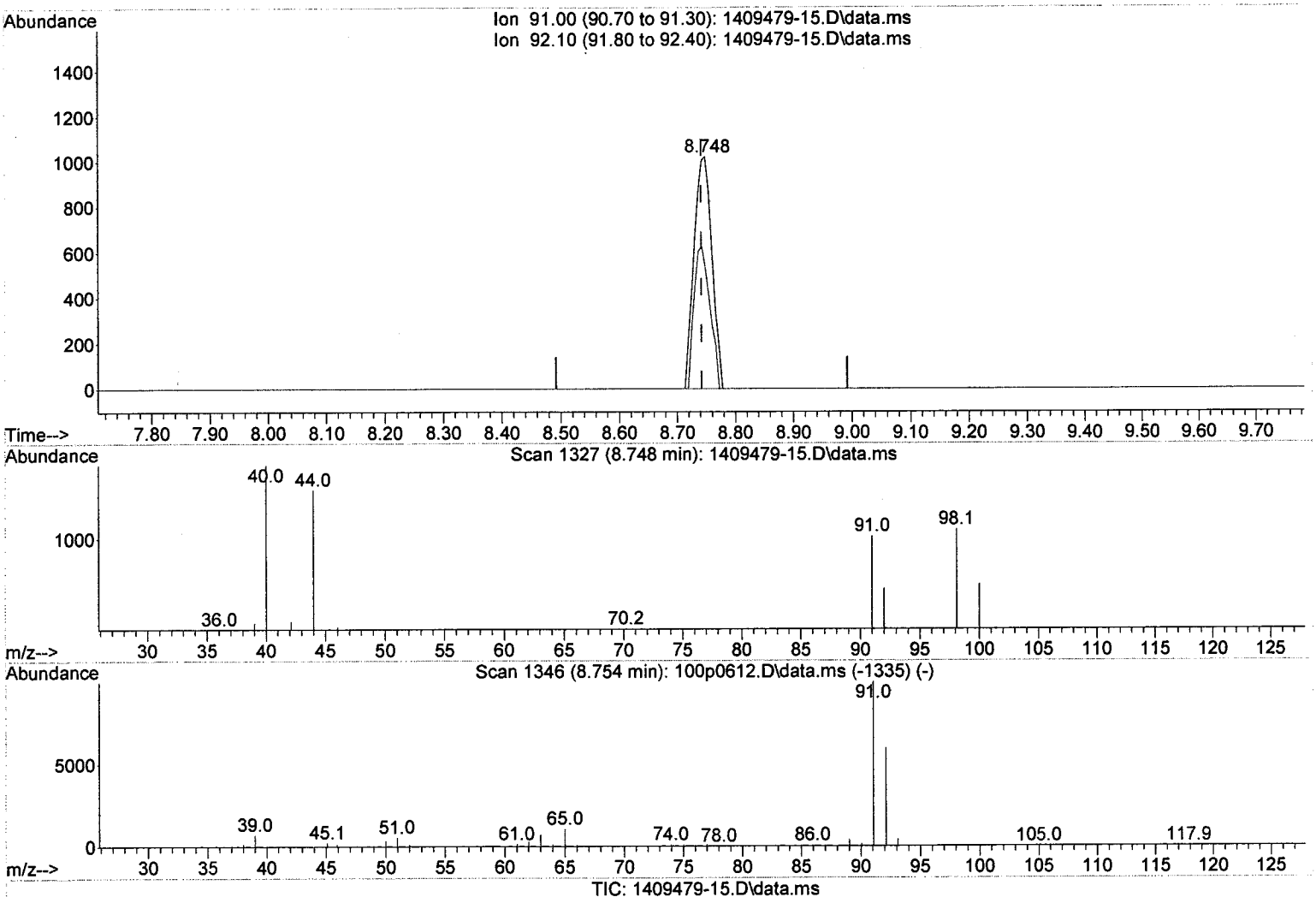
4.319min (+ 0.006) 1.54 ug/L

response 2612

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-15.D
Acq On : 08 Oct 2014 15:05
Operator : DLV
Sample : 1409479-15
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 08 15:30:00 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-15.D\data.ms

(47) toluene (C)

8.748min (+ 0.006) 0.13 ug/L

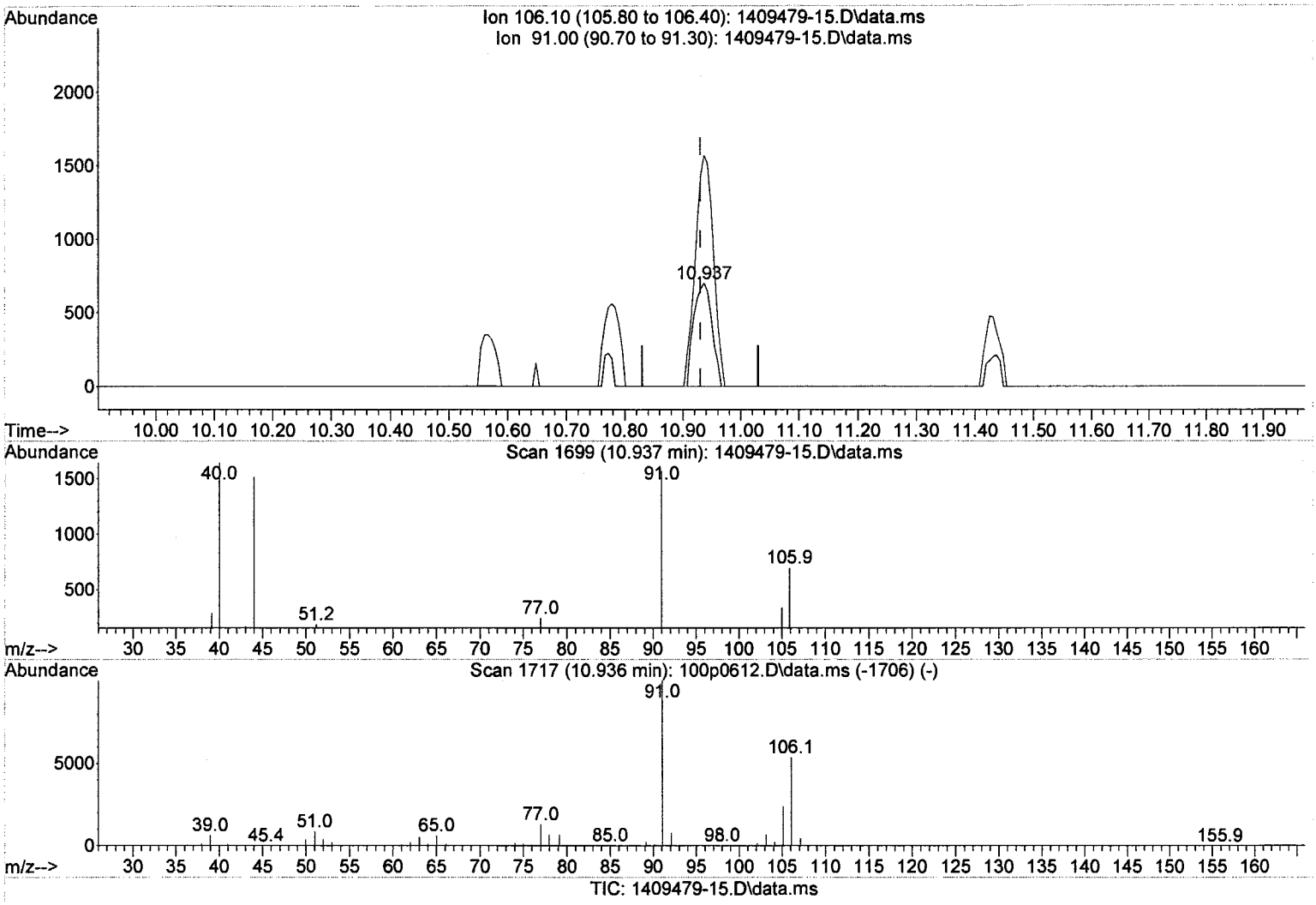
response 2180

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

000907

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-15.D
Acq On : 08 Oct 2014 15:05
Operator : DLV
Sample : 1409479-15
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 08 15:30:00 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-15.D\data.ms

(60) m+p-xylene

10.937min (+ 0.007) 0.23 ug/L

response 1505

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	224.92
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB03-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-16 File ID: 1409479-16.D

Sampled: 09/25/14 11:55 Prepared: 10/08/14 08:00 Analyzed: 10/08/14 15:29

Solids: 97.82 Preparation: 5035A Low Concentratio Initial/Final: 4.5 grams / 5 mL

QC Batch: 1410909 Sequence: 4J08061 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	8.5	4.8	5.7	5.7	
71-43-2	Benzene	1	0.57	0.18	0.57	1.1	U
108-86-1	Bromobenzene	1	0.57	0.15	0.57	1.1	U
74-97-5	Bromochloromethane	1	0.57	0.16	0.57	1.1	U
75-27-4	Bromodichloromethane	1	0.57	0.20	0.57	1.1	U
75-25-2	Bromoform	1	0.57	0.41	0.57	1.1	U
74-83-9	Bromomethane	1	0.57	0.37	0.57	1.1	U
104-51-8	n-Butylbenzene	1	0.57	0.29	0.57	1.1	U
135-98-8	sec-Butylbenzene	1	0.57	0.24	0.57	1.1	U
98-06-6	tert-Butylbenzene	1	0.57	0.19	0.57	1.1	U
75-15-0	Carbon Disulfide	1	0.57	0.26	0.57	1.1	U
56-23-5	Carbon Tetrachloride	1	0.57	0.37	0.57	1.1	U
108-90-7	Chlorobenzene	1	0.57	0.17	0.57	1.1	U
75-00-3	Chloroethane	1	1.1	0.57	1.1	1.1	U
67-66-3	Chloroform	1	0.57	0.16	0.57	1.1	U
74-87-3	Chloromethane	1	0.57	0.29	0.57	1.1	U
95-49-8	2-Chlorotoluene	1	0.57	0.33	0.57	1.1	U
106-43-4	4-Chlorotoluene	1	0.23	0.23	0.23	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.67	1.1	5.7	U
124-48-1	Dibromochloromethane	1	0.57	0.21	0.57	1.1	U
106-93-4	1,2-Dibromoethane	1	0.57	0.17	0.57	1.1	U
74-95-3	Dibromomethane	1	0.57	0.26	0.57	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.23	0.11	0.23	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.57	0.16	0.57	1.1	U
75-34-3	1,1-Dichloroethane	1	0.57	0.24	0.57	1.1	U
107-06-2	1,2-Dichloroethane	1	0.57	0.26	0.57	1.1	U
75-35-4	1,1-Dichloroethene	1	0.57	0.35	0.57	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.57	0.26	0.57	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.57	0.31	0.57	1.1	U
78-87-5	1,2-Dichloropropane	1	0.57	0.19	0.57	1.1	U
142-28-9	1,3-Dichloropropane	1	0.57	0.16	0.57	1.1	U
594-20-7	2,2-Dichloropropane	1	0.57	0.26	0.57	1.1	U
563-58-6	1,1-Dichloropropene	1	0.57	0.32	0.57	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.23	0.13	0.23	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.57	0.14	0.57	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB03-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-16
File ID: 1409479-16.D
Sampled: 09/25/14 11:55
Prepared: 10/08/14 08:00
Analyzed: 10/08/14 15:29
Solids: 97.82
Preparation: 5035A Low Concentratio
Initial/Final: 4.5 grams / 5 mL
QC Batch: 1410909
Sequence: 4J08061
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.57	0.21	0.57	1.1	U
87-68-3	Hexachlorobutadiene	1	0.57	0.24	0.57	1.1	U
591-78-6	2-Hexanone	1	0.57	0.55	0.57	5.7	U
98-82-8	Isopropylbenzene	1	0.23	0.13	0.23	1.1	U
99-87-6	4-Isopropyltoluene	1	0.57	0.27	0.57	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.53	1.1	5.7	U
78-93-3	2-Butanone (MEK)	1	5.7	1.3	5.7	5.7	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.57	0.44	0.57	5.7	U
91-20-3	Naphthalene	1	0.57	0.18	0.57	5.7	U
103-65-1	n-Propylbenzene	1	0.57	0.13	0.57	1.1	U
100-42-5	Styrene	1	0.23	0.23	0.23	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.57	0.17	0.57	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.57	0.16	0.57	1.1	U
127-18-4	Tetrachloroethene	1	0.57	0.19	0.57	1.1	U
108-88-3	Toluene	1	0.19	0.11	0.23	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.57	0.32	0.57	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.57	0.19	0.57	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.57	0.16	0.57	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.57	0.24	0.57	1.1	U
79-01-6	Trichloroethene	1	0.57	0.27	0.57	1.1	U
75-69-4	Trichlorofluoromethane	1	0.57	0.20	0.57	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.57	0.26	0.57	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.57	0.13	0.57	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.57	0.22	0.57	1.1	U
75-01-4	Vinyl Chloride	1	0.57	0.23	0.57	1.1	U
179601-23-1	Xylene, Meta + Para	1	0.30	0.16	0.45	2.3	J
95-47-6	Xylene, Ortho	1	0.23	0.13	0.23	1.1	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.5	104	78 - 119	
1,2-Dichloroethane-d4	40.0	42.5	106	71 - 136	
Toluene-d8	40.0	40.0	100	85 - 116	
4-Bromofluorobenzene	40.0	40.3	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	415456	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB03-33

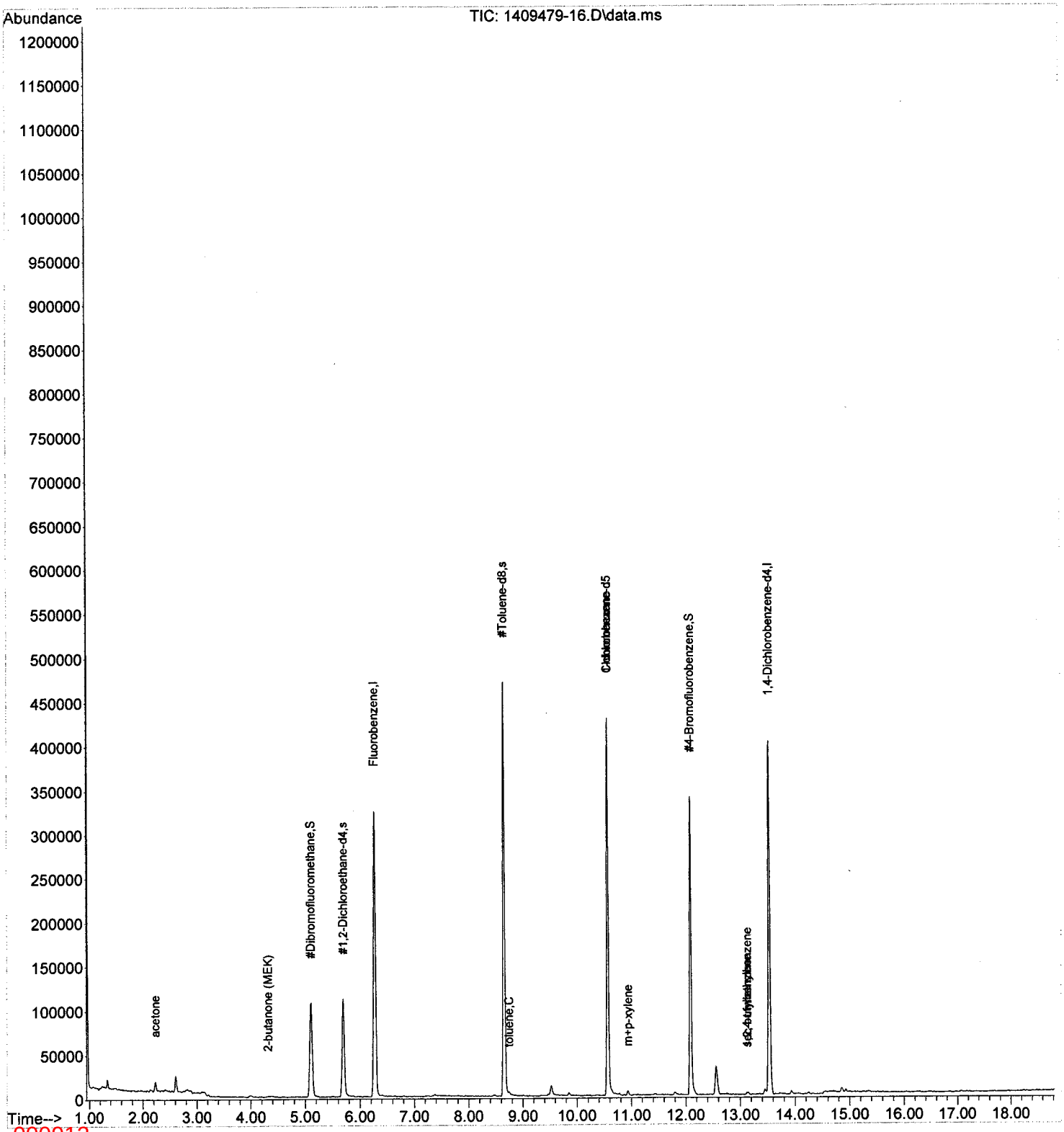
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-16
File ID: 1409479-16.D
Sampled: 09/25/14 11:55
Prepared: 10/08/14 08:00
Analyzed: 10/08/14 15:29
Solids: 97.82
Preparation: 5035A Low Concentratio
Initial/Final: 4.5 grams / 5 mL
QC Batch: 1410909
Sequence: 4J08061
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	298732	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	148804	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-16.D
Acq On : 08 Oct 2014 15:29
Operator : DLV
Sample : 1409479-16
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 08 15:48:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-16.D
Acq On : 08 Oct 2014 15:29
Operator : DLV
Sample : 1409479-16
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 08 15:48:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	415456	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	298732	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	148804	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	106988	41.48	ug/L	0.00
Spiked Amount 40.000			Recovery = 103.70%			
37) #1,2-Dichloroethane-d4	5.696	67	64352	42.49	ug/L	0.00
Spiked Amount 40.000			Recovery = 106.23%			
46) #Toluene-d8	8.654	98	401609	39.98	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.95%			
64) #4-Bromofluorobenzene	12.083	95	148914	40.28	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.70%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	14801	7.47	ug/L	90
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	10201	Below Cal		94
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.319	43	3134	1.92	ug/L #	48
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

000913

Quantitation Report (Not Reviewed)

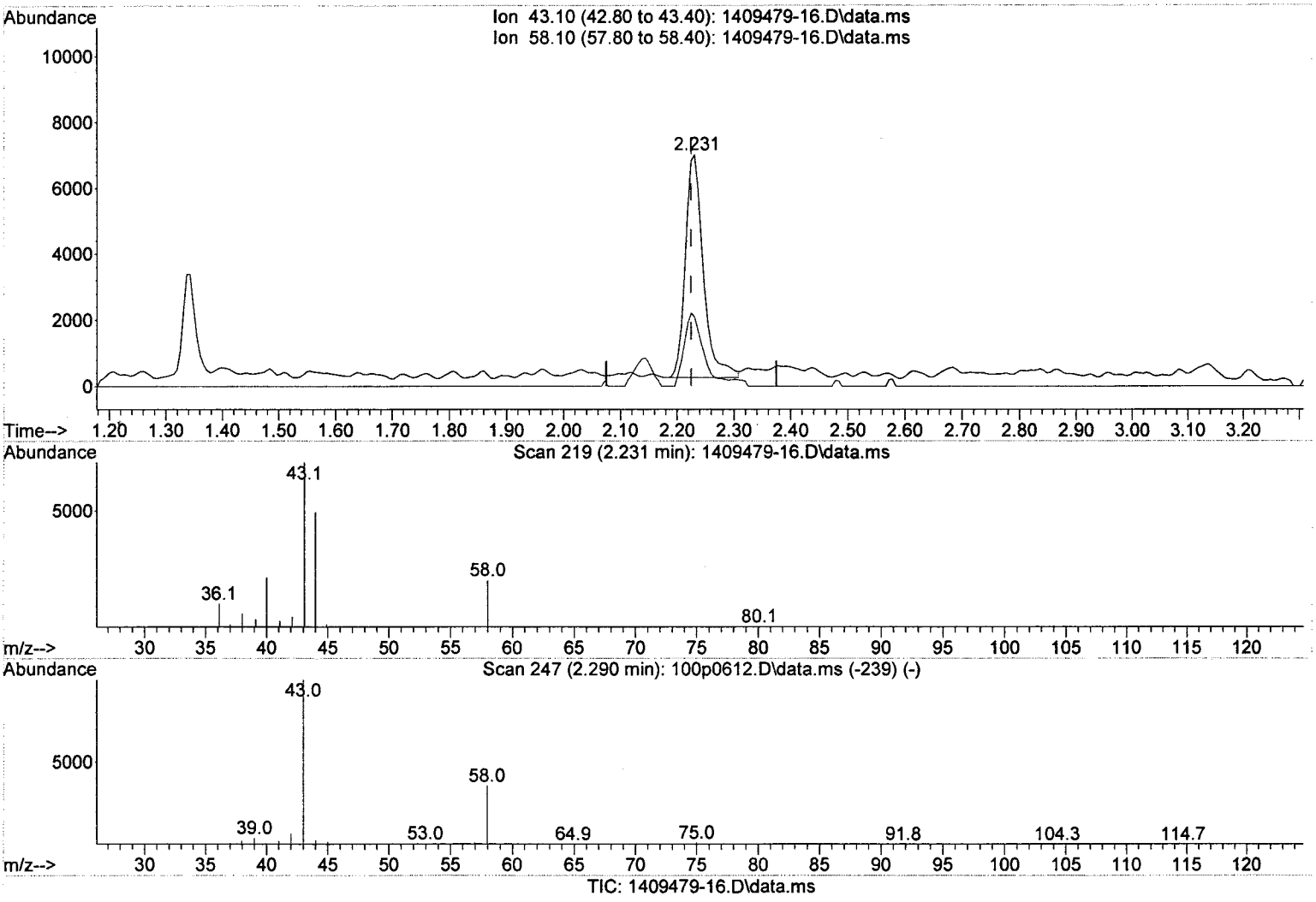
InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-16.D
Acq On : 08 Oct 2014 15:29
Operator : DLV
Sample : 1409479-16
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 08 15:48:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.742	91	2569	0.17	ug/L		91
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	0.000		0	N.D.			
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.566	55	2129	0.53	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	0.000		0	N.D.			
60)	m+p-xylene	10.936	106	1719	0.26	ug/L	#	79
61)	o-xylene	0.000		0	N.D.			
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	13.130	105	2330	0.16	ug/L	#	31
77)	sec-butylbenzene	13.130	105	2330	0.12	ug/L	#	58
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-16.D
Acq On : 08 Oct 2014 15:29
Operator : DLV
Sample : 1409479-16
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 08 15:48:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-16.D\data.ms

(13) acetone

2.231min (+ 0.006) 7.47 ug/L

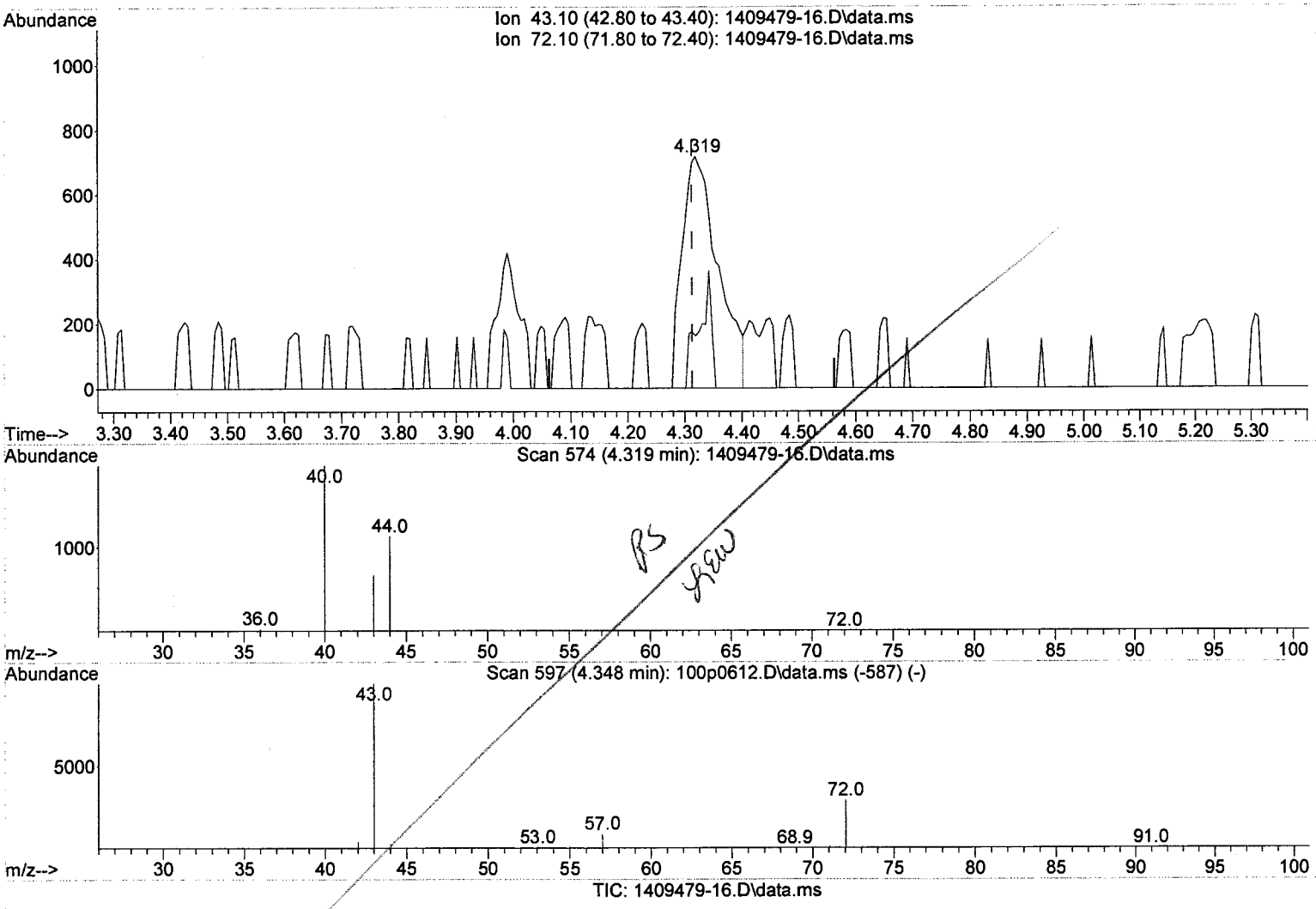
response 14801

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	36.81
0.00	0.00	0.00
0.00	0.00	0.00

000915

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-16.D
Acq On : 08 Oct 2014 15:29
Operator : DLV
Sample : 1409479-16
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 08 15:48:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-16.D\data.ms

(25) 2-butanone (MEK)

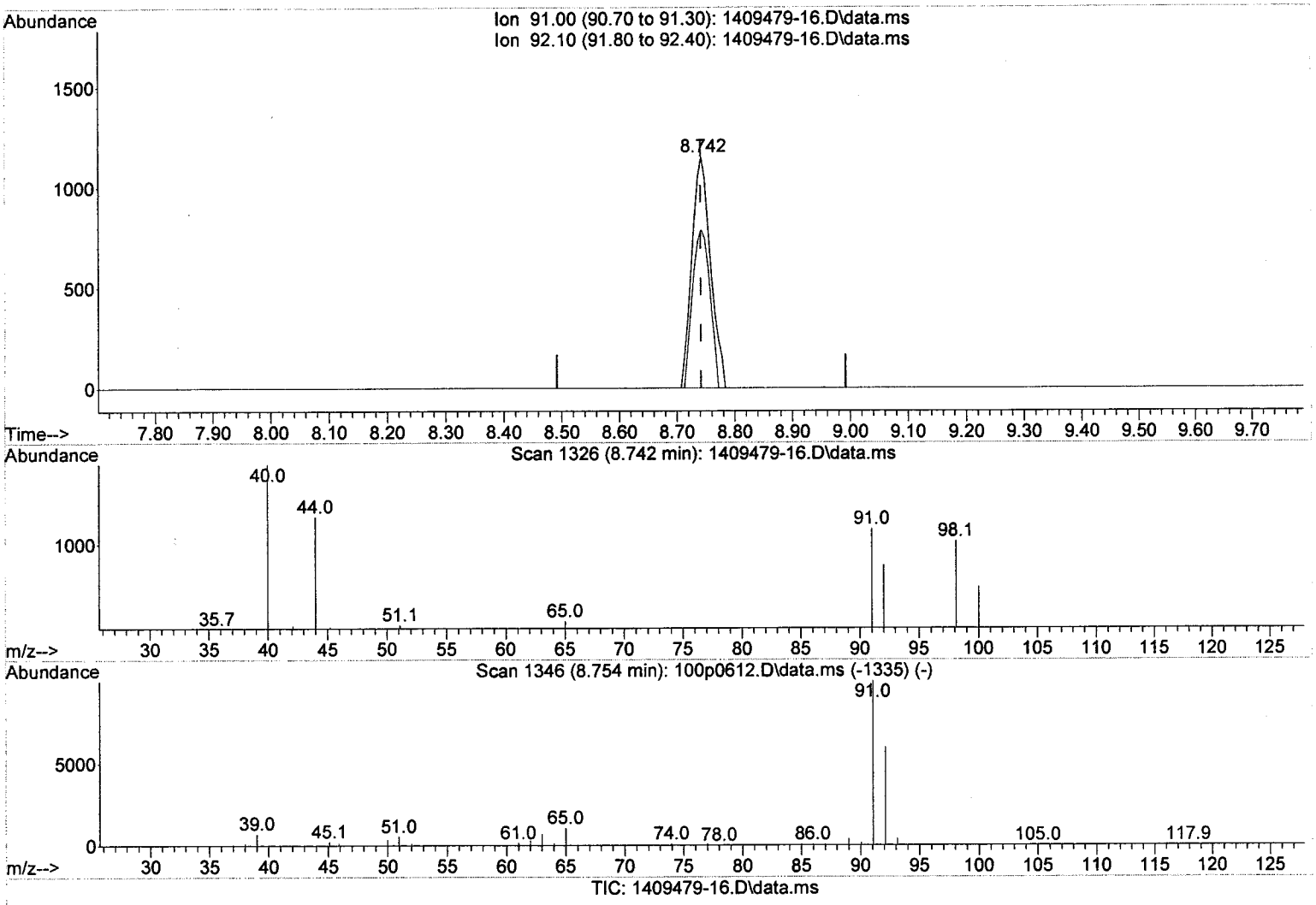
4.319min (+ 0.006) 1.92 ug/L

response 3134

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-16.D
Acq On : 08 Oct 2014 15:29
Operator : DLV
Sample : 1409479-16
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 08 15:48:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-16.D\data.ms

(47) toluene (C)

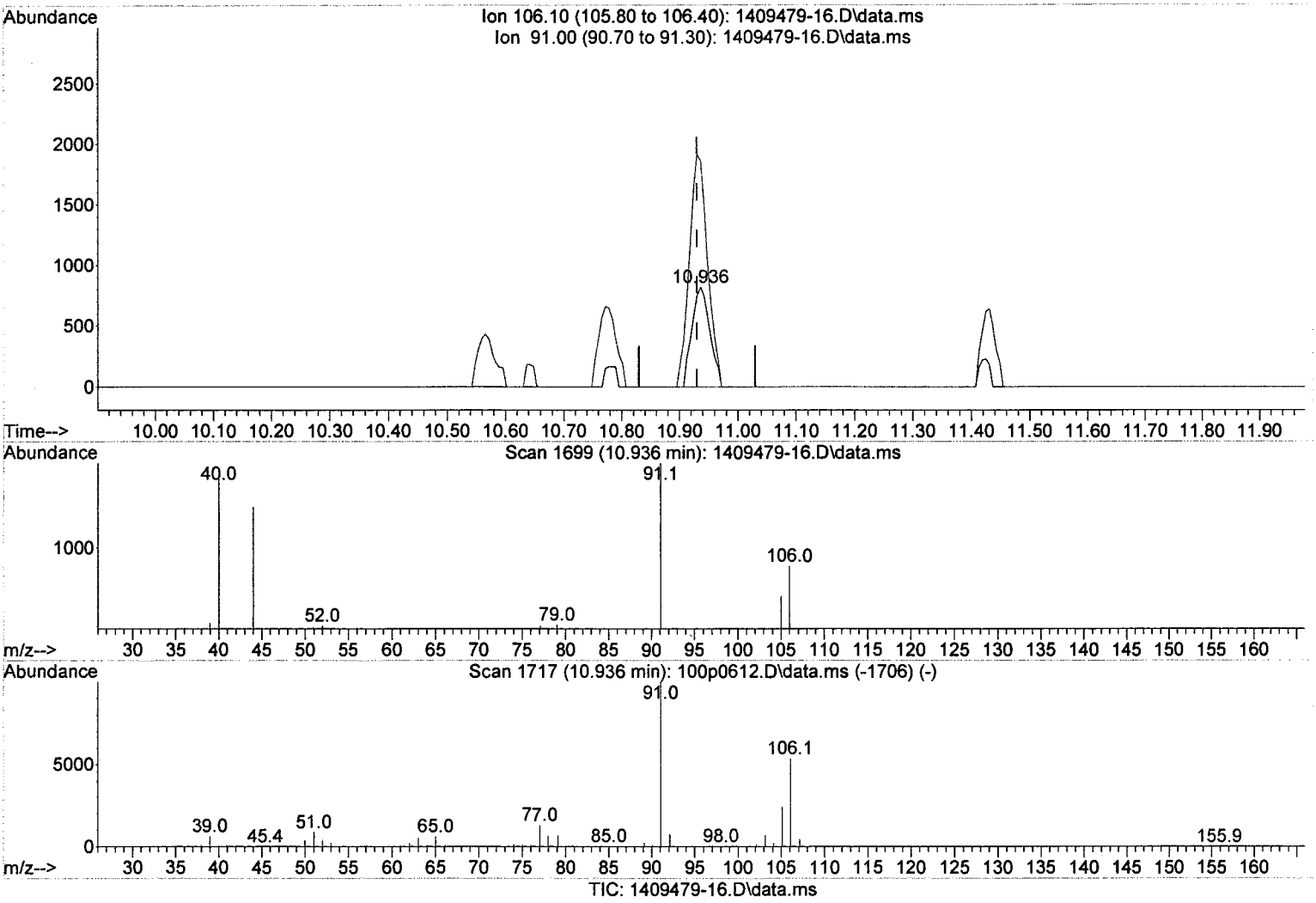
8.742min (+ 0.000) 0.17 ug/L

response 2569

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	63.84
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-16.D
Acq On : 08 Oct 2014 15:29
Operator : DLV
Sample : 1409479-16
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 08 15:48:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-16.D\data.ms

(60) m+p-xylene

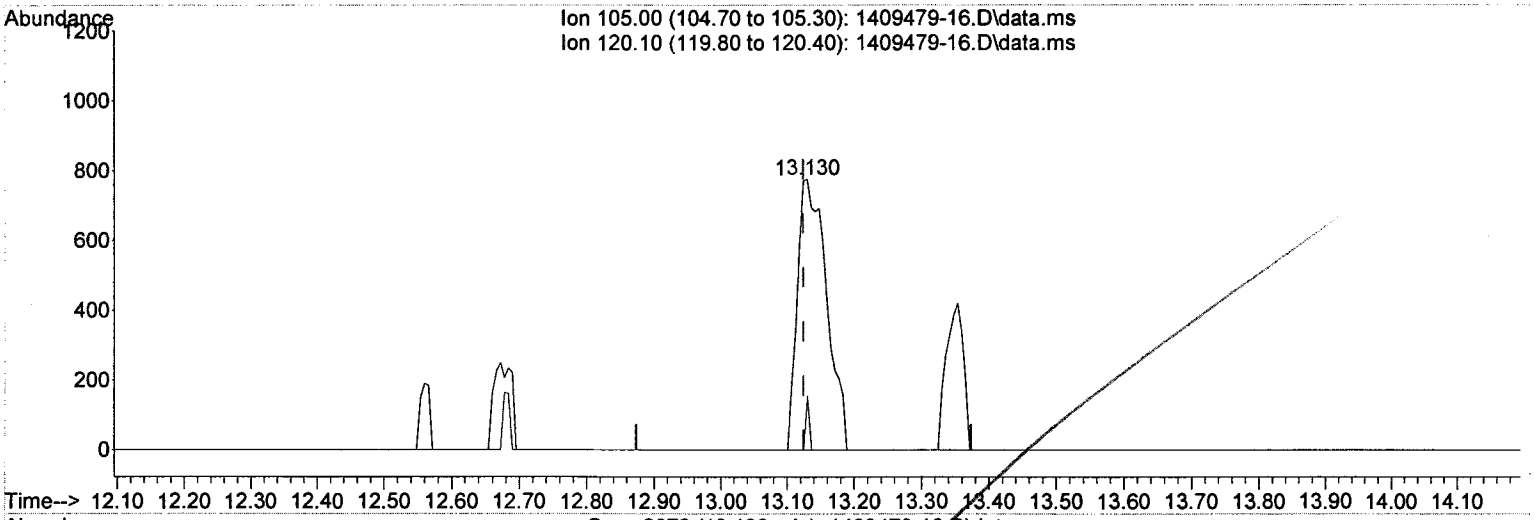
10.936min (+ 0.006) 0.26 ug/L

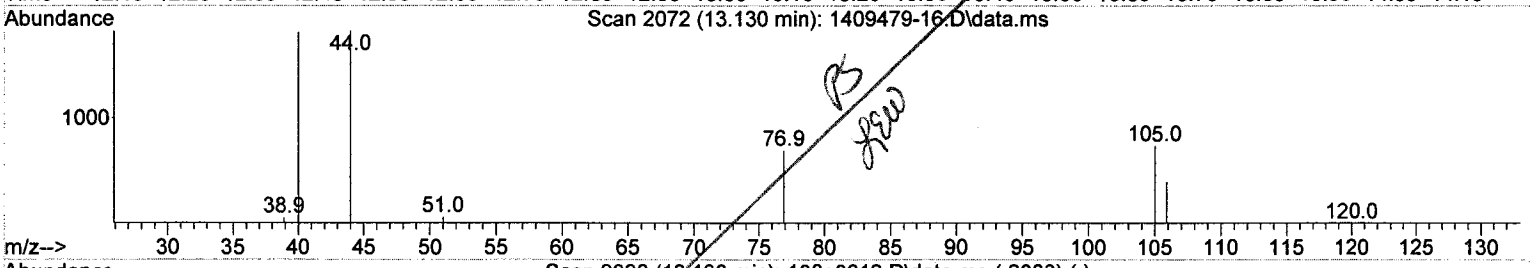
response 1719

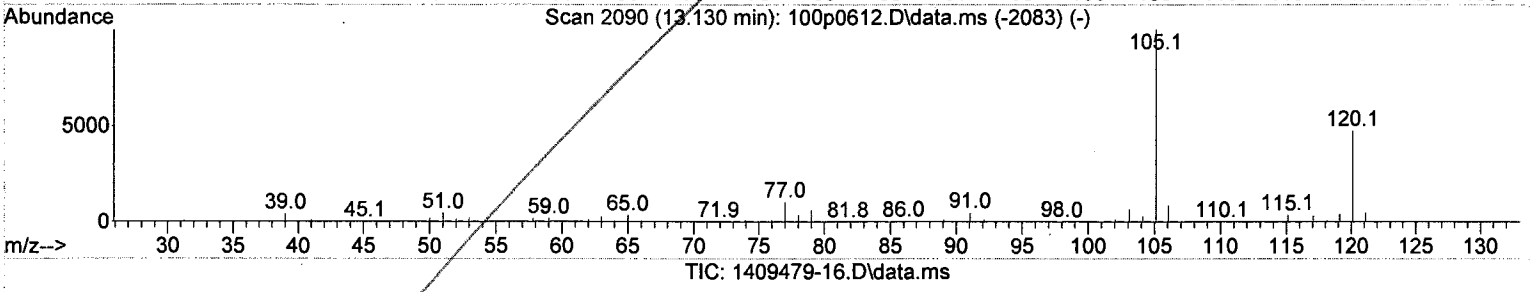
Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	240.02#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-16.D
Acq On : 08 Oct 2014 15:29
Operator : DLV
Sample : 1409479-16
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 08 15:48:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409479-16.D\data.ms

(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.16 ug/L

response 2330

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	45.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB05-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-17 File ID: 1409479-17.D

Sampled: 09/25/14 12:40 Prepared: 10/08/14 08:00 Analyzed: 10/08/14 15:52

Solids: 97.17 Preparation: 5035A Low Concentratio Initial/Final: 5.1 grams / 5 mL

QC Batch: 1410909 Sequence: 4J08061 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	18	4.3	5.1	5.1	
71-43-2	Benzene	1	0.51	0.16	0.51	1.0	U
108-86-1	Bromobenzene	1	0.51	0.14	0.51	1.0	U
74-97-5	Bromochloromethane	1	0.51	0.15	0.51	1.0	U
75-27-4	Bromodichloromethane	1	0.51	0.18	0.51	1.0	U
75-25-2	Bromoform	1	0.51	0.37	0.51	1.0	U
74-83-9	Bromomethane	1	0.51	0.34	0.51	1.0	U
104-51-8	n-Butylbenzene	1	0.51	0.27	0.51	1.0	U
135-98-8	sec-Butylbenzene	1	0.51	0.22	0.51	1.0	U
98-06-6	tert-Butylbenzene	1	0.51	0.17	0.51	1.0	U
75-15-0	Carbon Disulfide	1	0.87	0.24	0.51	1.0	J
56-23-5	Carbon Tetrachloride	1	0.51	0.34	0.51	1.0	U
108-90-7	Chlorobenzene	1	0.51	0.15	0.51	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.51	0.15	0.51	1.0	U
74-87-3	Chloromethane	1	0.51	0.26	0.51	1.0	U
95-49-8	2-Chlorotoluene	1	0.51	0.30	0.51	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.1	U
124-48-1	Dibromochloromethane	1	0.51	0.19	0.51	1.0	U
106-93-4	1,2-Dibromoethane	1	0.51	0.16	0.51	1.0	U
74-95-3	Dibromomethane	1	0.51	0.23	0.51	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.096	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.51	0.15	0.51	1.0	U
75-34-3	1,1-Dichloroethane	1	0.51	0.22	0.51	1.0	U
107-06-2	1,2-Dichloroethane	1	0.51	0.23	0.51	1.0	U
75-35-4	1,1-Dichloroethene	1	0.51	0.31	0.51	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.51	0.23	0.51	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.51	0.28	0.51	1.0	U
78-87-5	1,2-Dichloropropane	1	0.51	0.17	0.51	1.0	U
142-28-9	1,3-Dichloropropane	1	0.51	0.15	0.51	1.0	U
594-20-7	2,2-Dichloropropane	1	0.51	0.24	0.51	1.0	U
563-58-6	1,1-Dichloropropene	1	0.51	0.29	0.51	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.51	0.12	0.51	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB05-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-17 File ID: 1409479-17.D

Sampled: 09/25/14 12:40 Prepared: 10/08/14 08:00 Analyzed: 10/08/14 15:52

Solids: 97.17 Preparation: 5035A Low Concentratio Initial/Final: 5.1 grams / 5 mL

QC Batch: 1410909 Sequence: 4J08061 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.51	0.19	0.51	1.0	U
87-68-3	Hexachlorobutadiene	1	0.51	0.21	0.51	1.0	U
591-78-6	2-Hexanone	1	0.51	0.49	0.51	5.1	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.51	0.25	0.51	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.1	U
78-93-3	2-Butanone (MEK)	1	2.6	1.1	5.1	5.1	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.51	0.40	0.51	5.1	U
91-20-3	Naphthalene	1	0.51	0.17	0.51	5.1	U
103-65-1	n-Propylbenzene	1	0.51	0.12	0.51	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.51	0.15	0.51	1.0	U
127-18-4	Tetrachloroethene	1	3.5	0.18	0.51	1.0	
108-88-3	Toluene	1	0.26	0.10	0.21	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.51	0.29	0.51	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.51	0.17	0.51	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.33	0.15	0.51	1.0	J
79-00-5	1,1,2-Trichloroethane	1	0.51	0.22	0.51	1.0	U
79-01-6	Trichloroethene	1	0.51	0.25	0.51	1.0	U
75-69-4	Trichlorofluoromethane	1	0.51	0.18	0.51	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.51	0.23	0.51	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.51	0.12	0.51	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.51	0.20	0.51	1.0	U
75-01-4	Vinyl Chloride	1	0.51	0.21	0.51	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.60	0.15	0.41	2.1	J
95-47-6	Xylene, Ortho	1	0.21	0.11	0.21	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.4	103	78 - 119	
1,2-Dichloroethane-d4	40.0	42.5	106	71 - 136	
Toluene-d8	40.0	38.8	97	85 - 116	
4-Bromofluorobenzene	40.0	39.0	97	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	410890	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB05-12

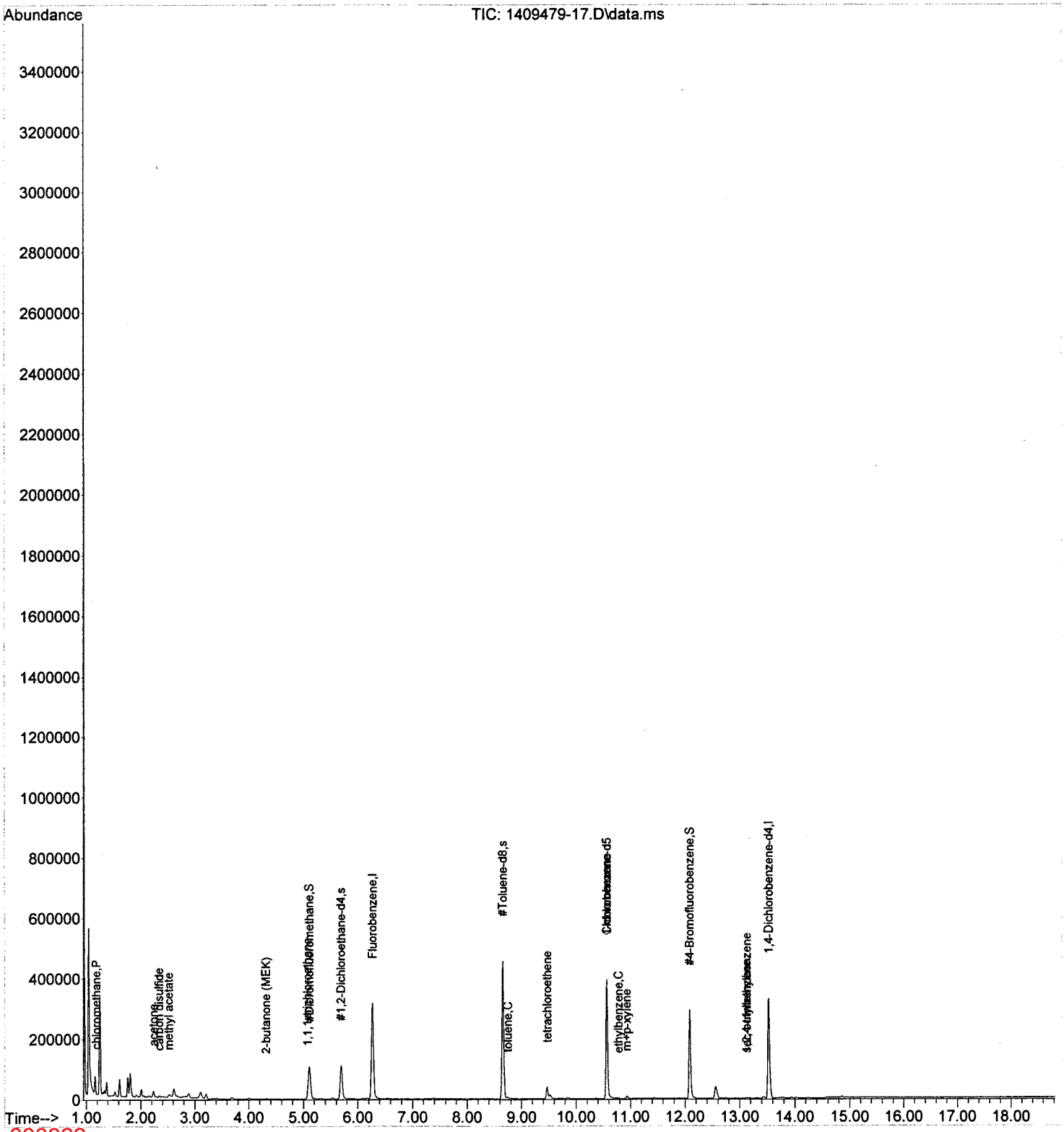
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-17
File ID: 1409479-17.D
Sampled: 09/25/14 12:40
Prepared: 10/08/14 08:00
Analyzed: 10/08/14 15:52
Solids: 97.17
Preparation: 5035A Low Concentratio
Initial/Final: 5.1 grams / 5 mL
QC Batch: 1410909
Sequence: 4J08061
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	278095	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	120599	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-17.D
Acq On : 08 Oct 2014 15:52
Operator : DLV
Sample : 1409479-17
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 08 16:11:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-17.D
Acq On : 08 Oct 2014 15:52
Operator : DLV
Sample : 1409479-17
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 08 16:11:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	410890	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	278095	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	120599	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	105569	41.39	ug/L		0.00
Spiked Amount 40.000			Recovery =	103.48%			
37) #1,2-Dichloroethane-d4	5.690	67	63704	42.53	ug/L		0.00
Spiked Amount 40.000			Recovery =	106.33%			
46) #Toluene-d8	8.654	98	385873	38.84	ug/L		0.00
Spiked Amount 40.000			Recovery =	97.10%			
64) #4-Bromofluorobenzene	12.083	95	134046	38.95	ug/L		0.00
Spiked Amount 40.000			Recovery =	97.38%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	1.184	50	1813	~~0.34~~	ug/L	#	42
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	25539	17.72	ug/L		89
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	7116	0.86	ug/L	#	75
16) methyl acetate	2.513	43	2210	0.78	ug/L	#	60
17) methylene chloride	2.607	49	13256	Below Cal			96
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.313	43	4167	2.58	ug/L	#	48
26) bromochloromethane	0.000		0	~~N.D.~~			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	5.072	97	1597	0.33	ug/L	#	23
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

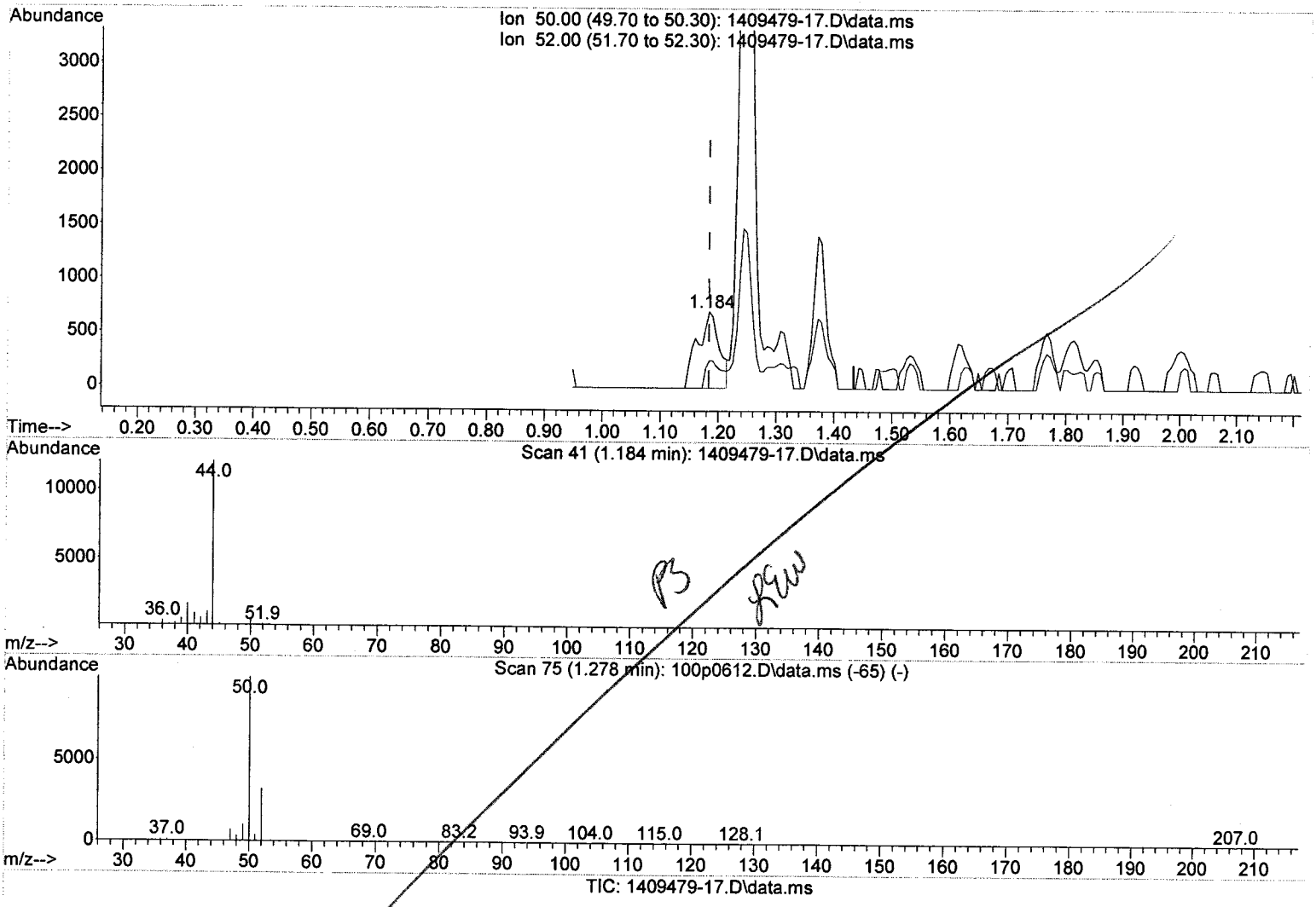
InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-17.D
Acq On : 08 Oct 2014 15:52
Operator : DLV
Sample : 1409479-17
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 08 16:11:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	3952	✓ 0.26 ug/L	91
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	9.472	166	14062	✓ 3.46 ug/L	98
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.566	55	2502	0.66 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.778	91	2200	0.13 ug/L #	45
60) m+p-xylene	10.931	106	3610	✓ 0.59 ug/L	87
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.130	105	1517	ps ~~0.13~~ ug/L #	31
77) sec-butylbenzene	13.130	105	1517	0.10 ug/L #	58
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-17.D
Acq On : 08 Oct 2014 15:52
Operator : DLV
Sample : 1409479-17
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 08 16:11:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-17.D\data.ms

(3) chloromethane (P)

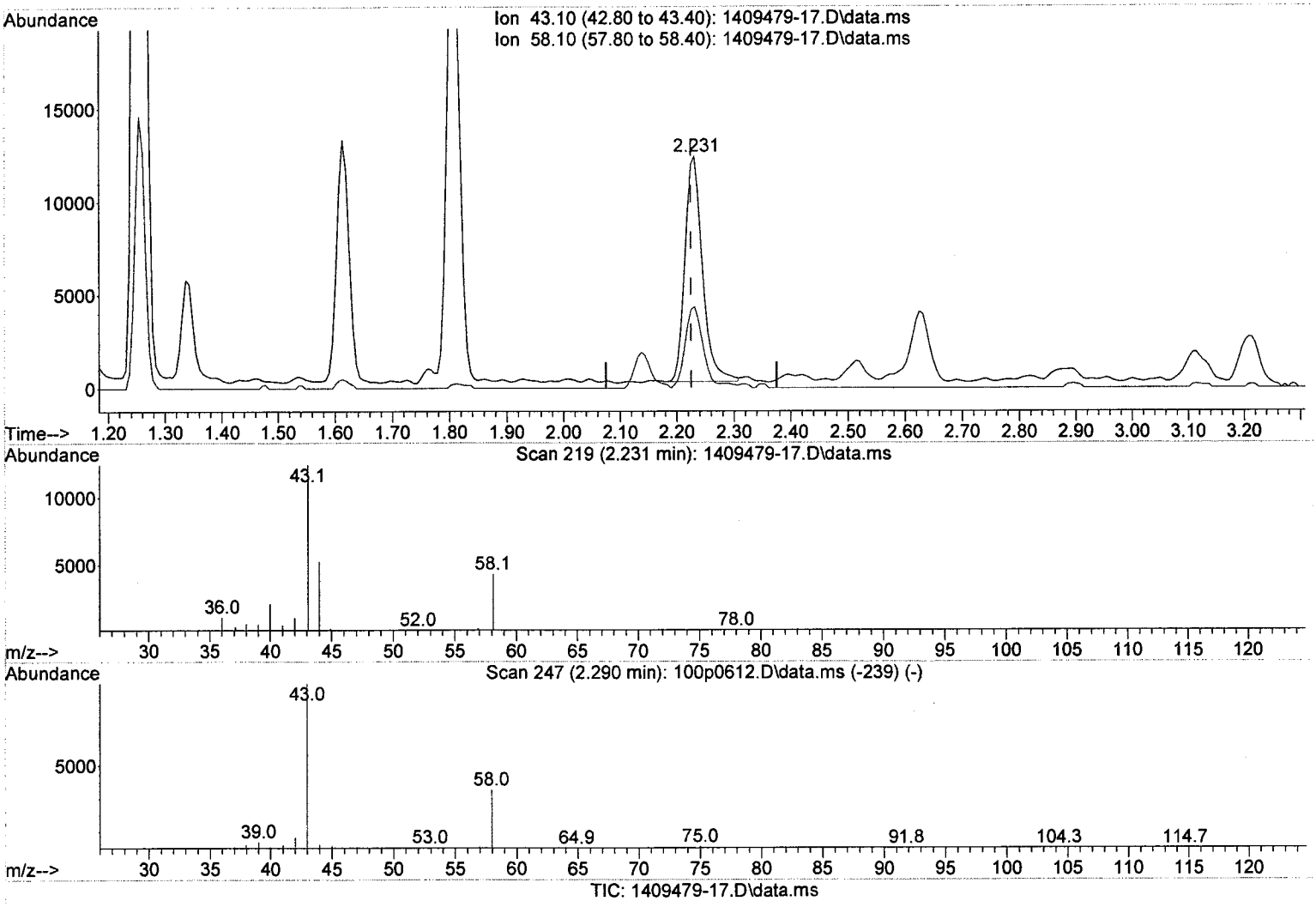
1.184min (-0.000) 0.34 ug/L

response 1813

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-17.D
Acq On : 08 Oct 2014 15:52
Operator : DLV
Sample : 1409479-17
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 08 16:11:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-17.D\data.ms

(13) acetone

2.231min (+ 0.006) 17.72 ug/L

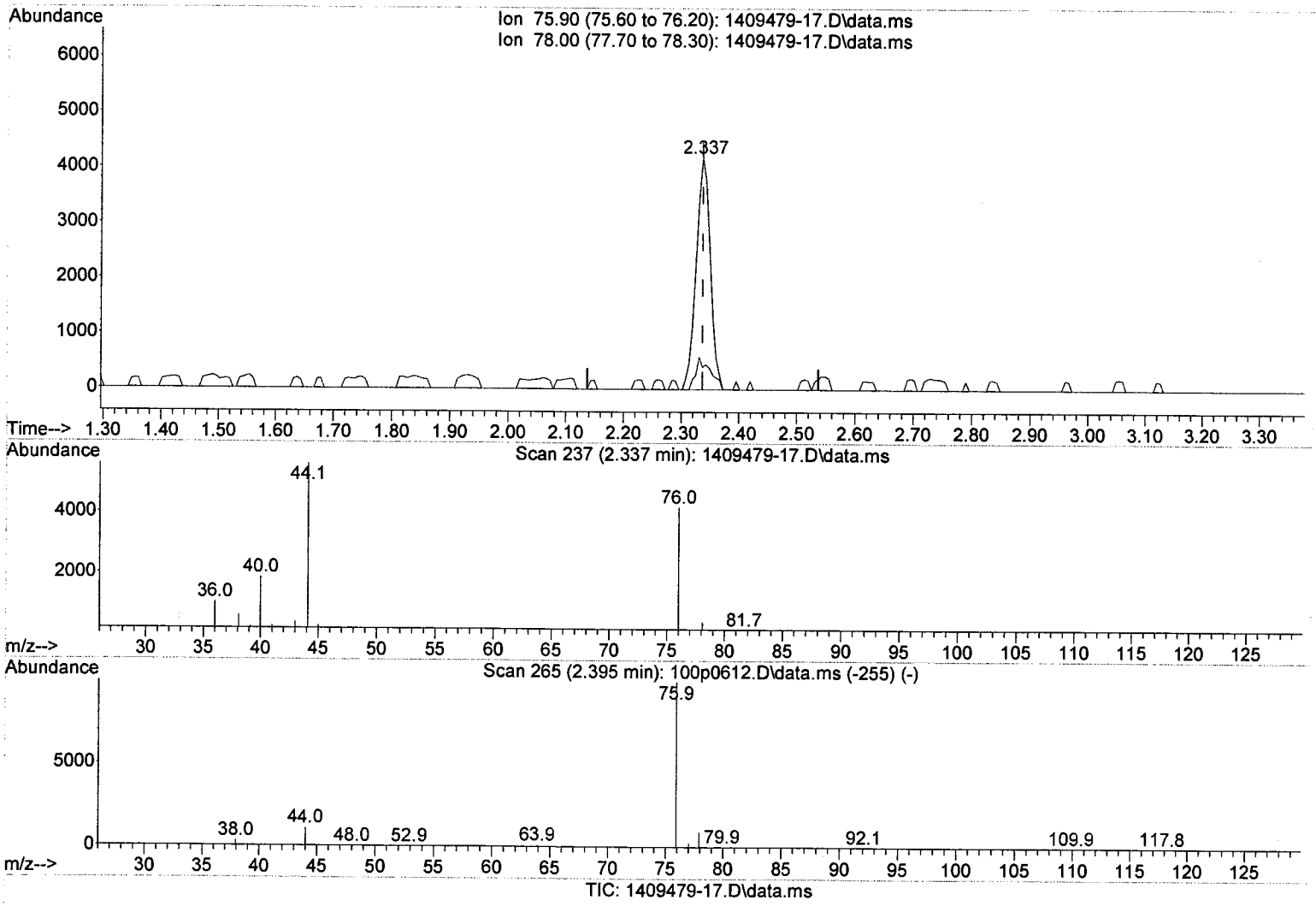
response 25539

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	37.20
0.00	0.00	0.00
0.00	0.00	0.00

000927

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-17.D
Acq On : 08 Oct 2014 15:52
Operator : DLV
Sample : 1409479-17
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 08 16:11:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-17.D\data.ms

(15) carbon disulfide

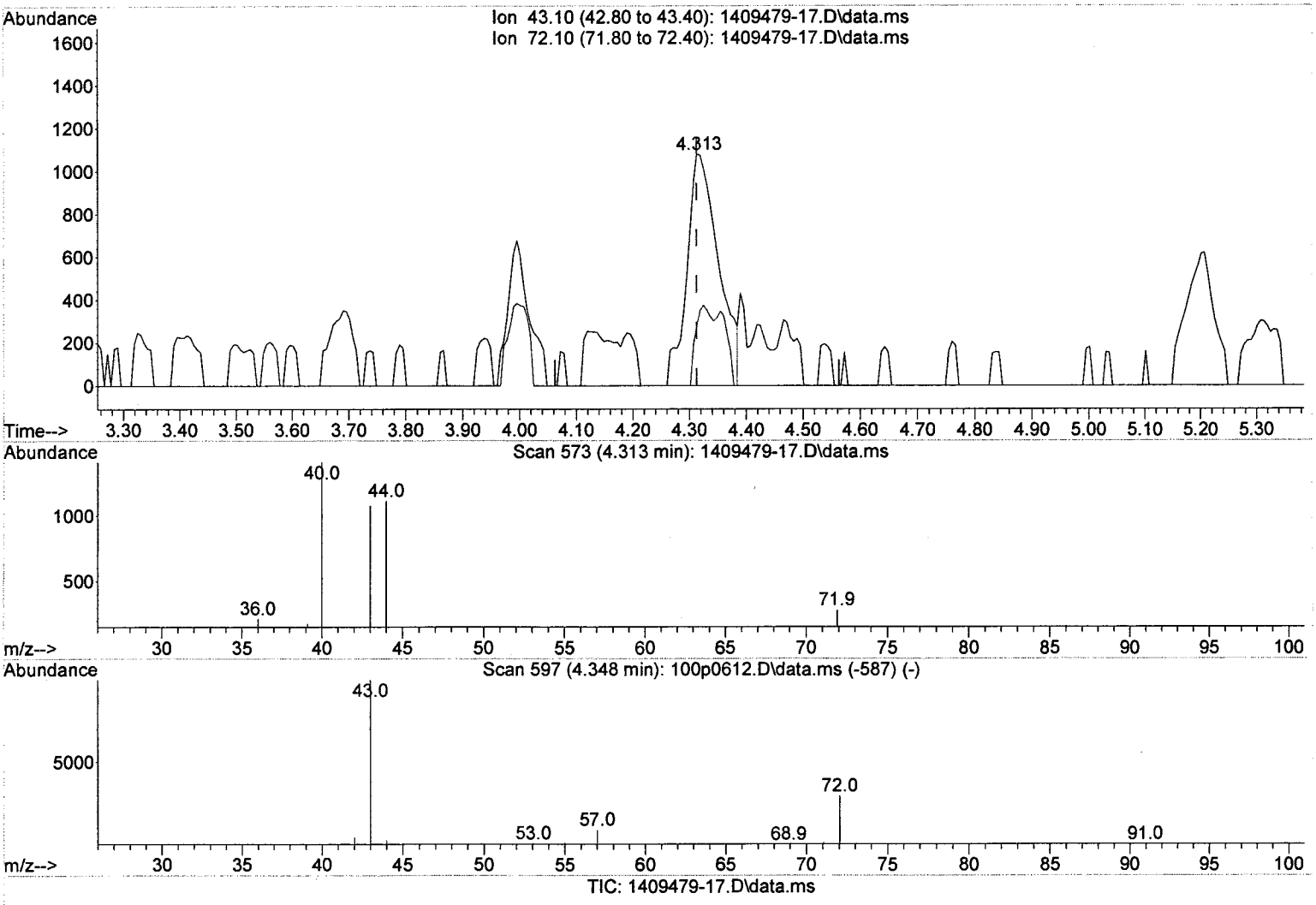
2.337min (-0.000) 0.86 ug/L

response 7116

Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-17.D
Acq On : 08 Oct 2014 15:52
Operator : DLV
Sample : 1409479-17
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 08 16:11:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-17.D\data.ms

(25) 2-butanone (MEK)

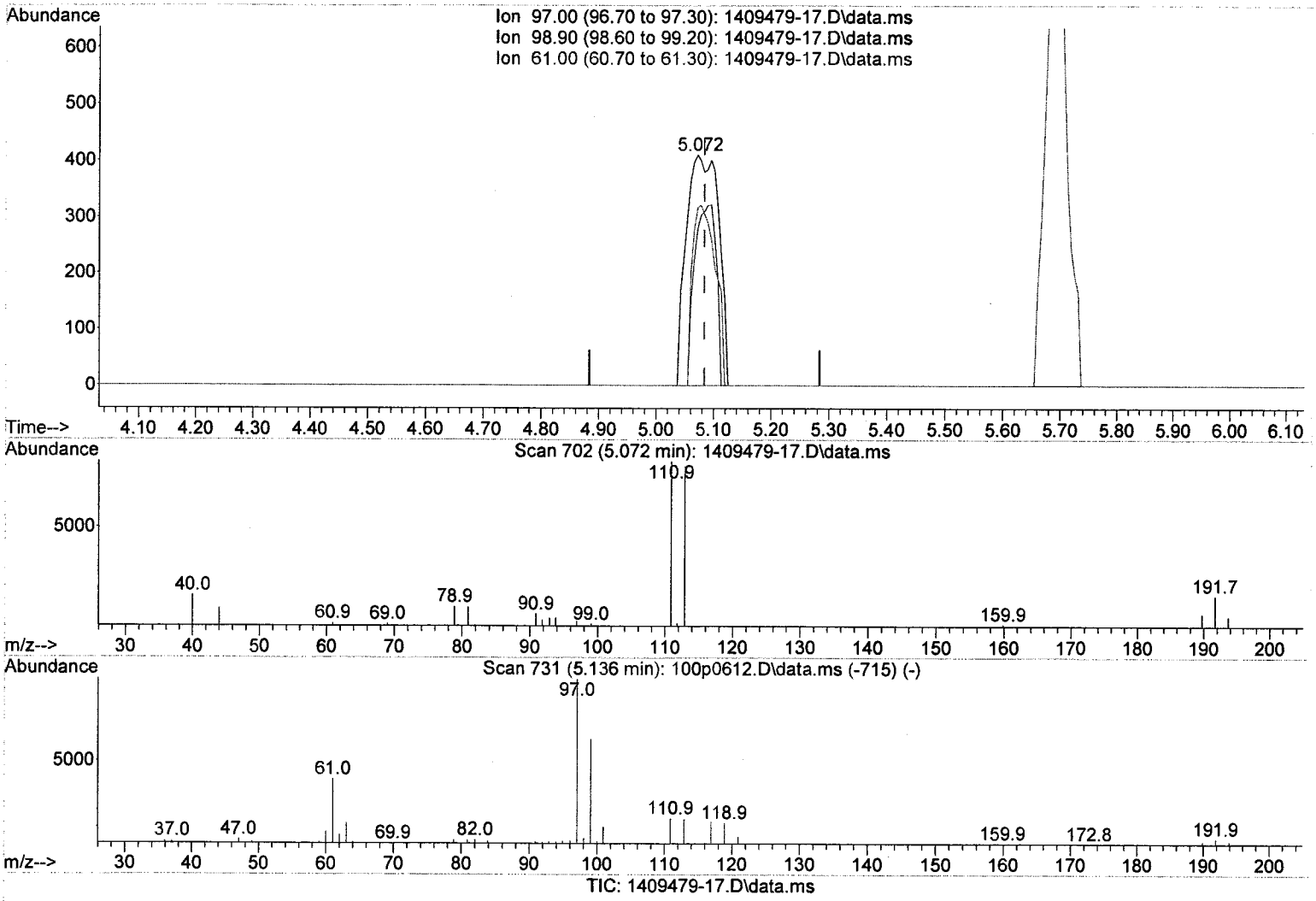
4.313min (+ 0.000) 2.58 ug/L

response 4167

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-17.D
Acq On : 08 Oct 2014 15:52
Operator : DLV
Sample : 1409479-17
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 08 16:11:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-17.D\data.ms

(30) 1,1,1-trichloroethane

5.072min (-0.012) 0.33 ug/L

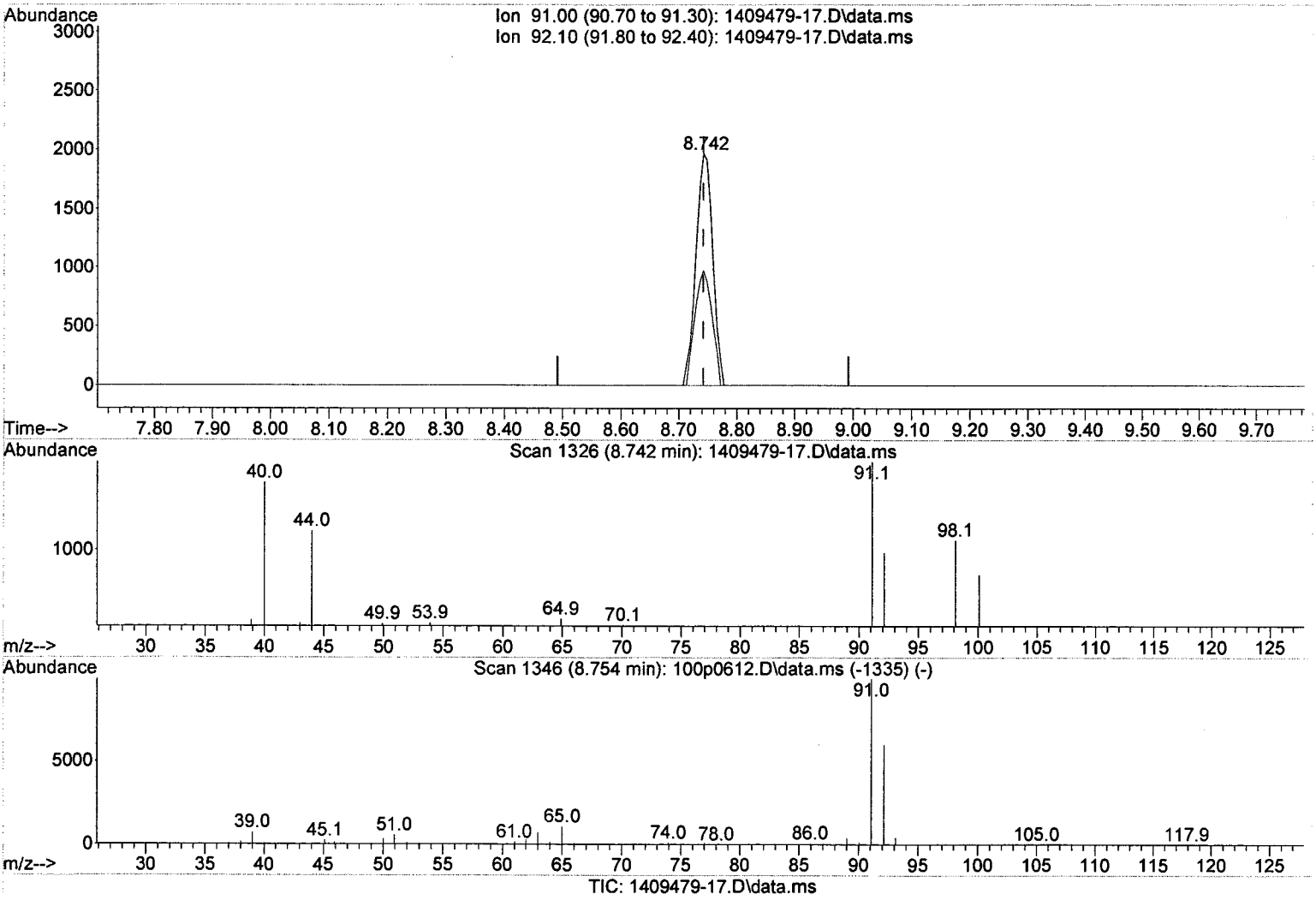
response 1597

Ion	Exp%	Act%
97.00	100.00	100.00
98.90	62.60	0.00#
61.00	48.30	0.00#
0.00	0.00	0.00

000930

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-17.D
Acq On : 08 Oct 2014 15:52
Operator : DLV
Sample : 1409479-17
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 08 16:11:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-17.D\data.ms

(47) toluene (C)

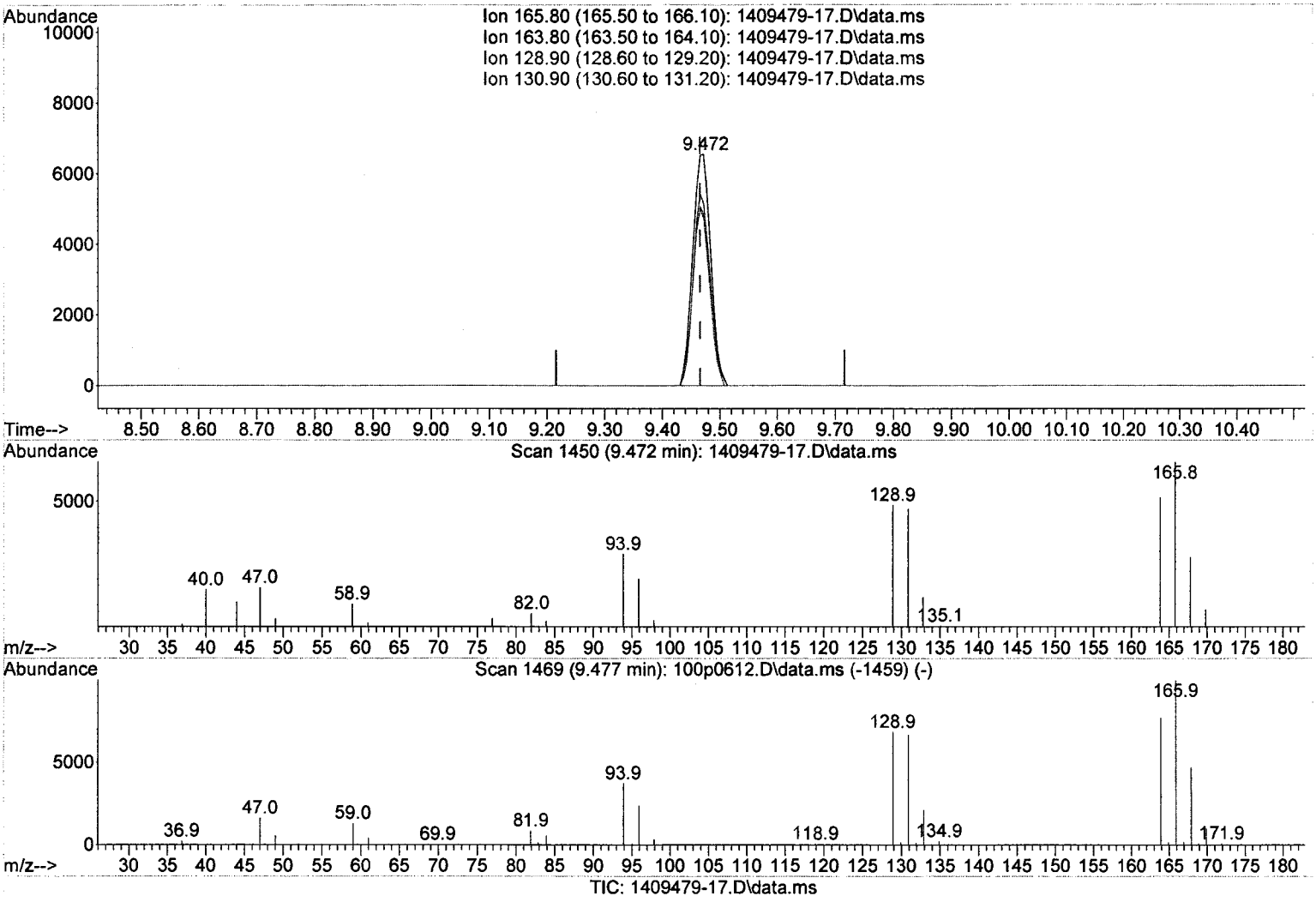
8.742min (+ 0.000) 0.26 ug/L

response 3952

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	50.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-17.D
Acq On : 08 Oct 2014 15:52
Operator : DLV
Sample : 1409479-17
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 08 16:11:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-17.D\data.ms

(51) tetrachloroethene

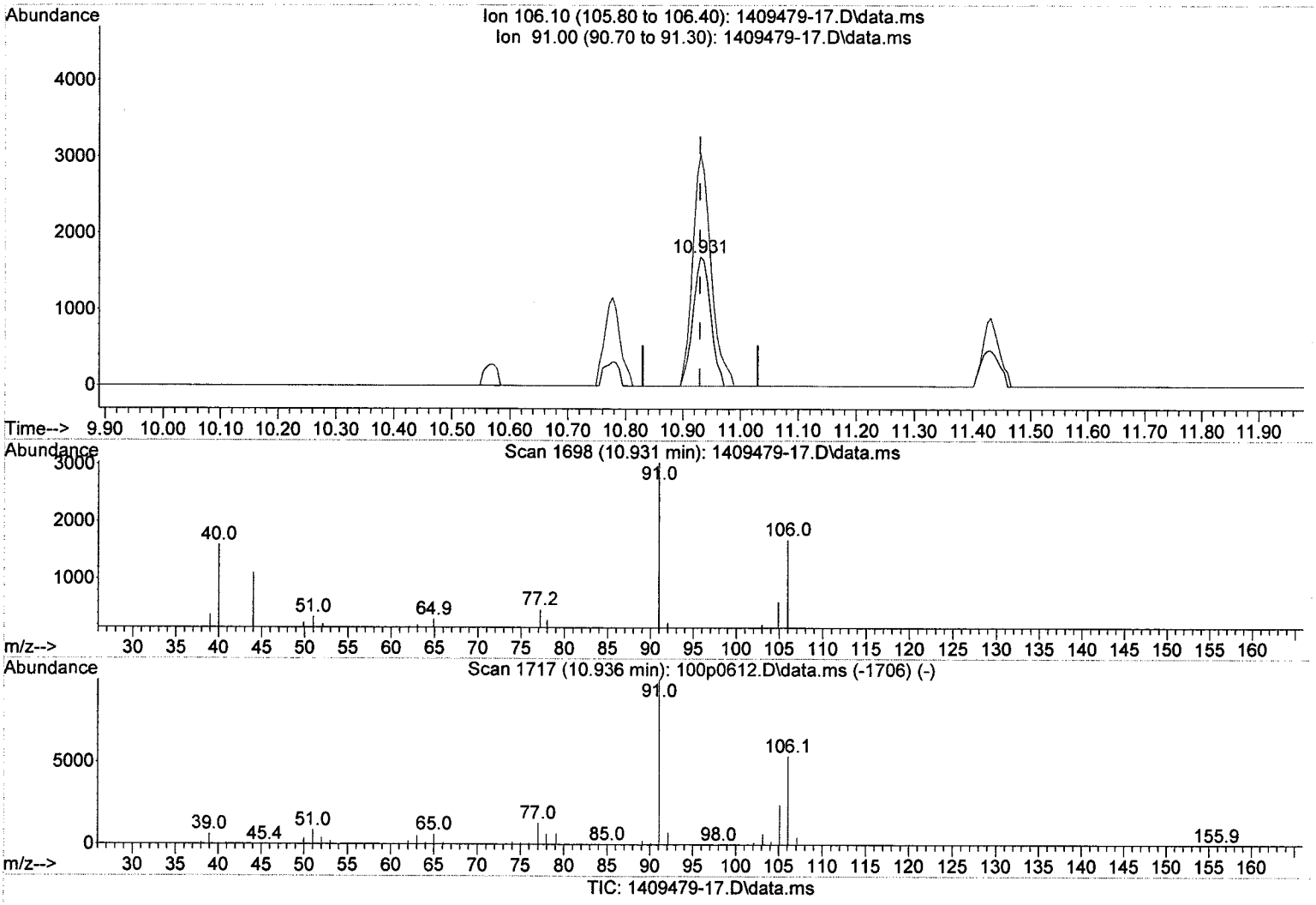
9.472min (+ 0.006) 3.46 ug/L

response 14062

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	78.35
128.90	74.10	73.13
130.90	70.00	73.06

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-17.D
Acq On : 08 Oct 2014 15:52
Operator : DLV
Sample : 1409479-17
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 08 16:11:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-17.D\data.ms

(60) m+p-xylene

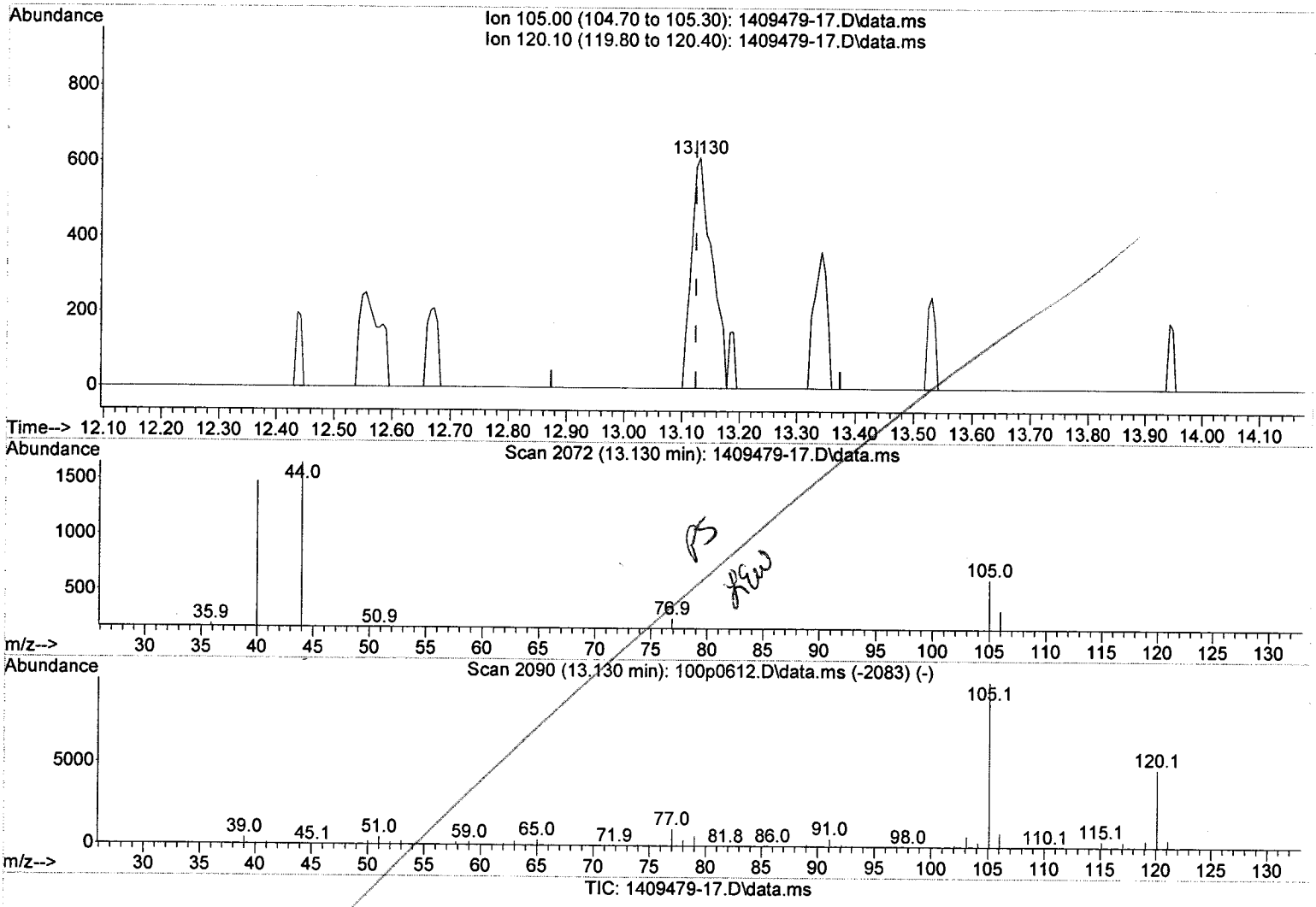
10.931min (+ 0.001) 0.59 ug/L

response 3610

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	187.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-17.D
Acq On : 08 Oct 2014 15:52
Operator : DLV
Sample : 1409479-17
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 08 16:11:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.13 ug/L

response 1517

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	45.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB05-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-18 File ID: 1409479-18.D

Sampled: 09/25/14 13:05 Prepared: 10/08/14 08:00 Analyzed: 10/08/14 16:15

Solids: 97.75 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410909 Sequence: 4J08061 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	9.5	4.6	5.4	5.4	
71-43-2	Benzene	1	0.54	0.17	0.54	1.1	U
108-86-1	Bromobenzene	1	0.54	0.15	0.54	1.1	U
74-97-5	Bromochloromethane	1	0.54	0.16	0.54	1.1	U
75-27-4	Bromodichloromethane	1	0.54	0.19	0.54	1.1	U
75-25-2	Bromoform	1	0.54	0.39	0.54	1.1	U
74-83-9	Bromomethane	1	0.54	0.36	0.54	1.1	U
104-51-8	n-Butylbenzene	1	0.54	0.28	0.54	1.1	U
135-98-8	sec-Butylbenzene	1	0.54	0.23	0.54	1.1	U
98-06-6	tert-Butylbenzene	1	0.54	0.18	0.54	1.1	U
75-15-0	Carbon Disulfide	1	0.54	0.25	0.54	1.1	U
56-23-5	Carbon Tetrachloride	1	0.54	0.35	0.54	1.1	U
108-90-7	Chlorobenzene	1	0.54	0.16	0.54	1.1	U
75-00-3	Chloroethane	1	1.1	0.55	1.1	1.1	U
67-66-3	Chloroform	1	0.54	0.15	0.54	1.1	U
74-87-3	Chloromethane	1	0.54	0.28	0.54	1.1	U
95-49-8	2-Chlorotoluene	1	0.54	0.32	0.54	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.64	1.1	5.4	U
124-48-1	Dibromochloromethane	1	0.54	0.20	0.54	1.1	U
106-93-4	1,2-Dibromoethane	1	0.54	0.17	0.54	1.1	U
74-95-3	Dibromomethane	1	0.54	0.24	0.54	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.54	0.16	0.54	1.1	U
75-34-3	1,1-Dichloroethane	1	0.54	0.23	0.54	1.1	U
107-06-2	1,2-Dichloroethane	1	0.54	0.25	0.54	1.1	U
75-35-4	1,1-Dichloroethene	1	0.54	0.33	0.54	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.54	0.25	0.54	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.54	0.29	0.54	1.1	U
78-87-5	1,2-Dichloropropane	1	0.54	0.19	0.54	1.1	U
142-28-9	1,3-Dichloropropane	1	0.54	0.15	0.54	1.1	U
594-20-7	2,2-Dichloropropane	1	0.54	0.25	0.54	1.1	U
563-58-6	1,1-Dichloropropene	1	0.54	0.30	0.54	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.12	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.54	0.13	0.54	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB05-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-18 File ID: 1409479-18.D

Sampled: 09/25/14 13:05 Prepared: 10/08/14 08:00 Analyzed: 10/08/14 16:15

Solids: 97.75 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410909 Sequence: 4J08061 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.54	0.20	0.54	1.1	U
87-68-3	Hexachlorobutadiene	1	0.54	0.23	0.54	1.1	U
591-78-6	2-Hexanone	1	0.54	0.52	0.54	5.4	U
98-82-8	Isopropylbenzene	1	0.22	0.12	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.54	0.26	0.54	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.51	1.1	5.4	U
78-93-3	2-Butanone (MEK)	1	5.4	1.2	5.4	5.4	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.54	0.42	0.54	5.4	U
91-20-3	Naphthalene	1	0.54	0.18	0.54	5.4	U
103-65-1	n-Propylbenzene	1	0.54	0.13	0.54	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.54	0.16	0.54	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.54	0.16	0.54	1.1	U
127-18-4	Tetrachloroethene	1	0.54	0.19	0.54	1.1	U
108-88-3	Toluene	1	0.12	0.11	0.22	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.54	0.31	0.54	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.54	0.19	0.54	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.54	0.16	0.54	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.54	0.23	0.54	1.1	U
79-01-6	Trichloroethene	1	0.54	0.26	0.54	1.1	U
75-69-4	Trichlorofluoromethane	1	0.54	0.19	0.54	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.54	0.25	0.54	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.54	0.12	0.54	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.54	0.21	0.54	1.1	U
75-01-4	Vinyl Chloride	1	0.54	0.22	0.54	1.1	U
179601-23-1	Xylene, Meta + Para	1	0.28	0.16	0.44	2.2	J
95-47-6	Xylene, Ortho	1	0.22	0.12	0.22	1.1	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.6	104	78 - 119	
1,2-Dichloroethane-d4	40.0	42.2	105	71 - 136	
Toluene-d8	40.0	39.3	98	85 - 116	
4-Bromofluorobenzene	40.0	40.4	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	448684	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB05-33

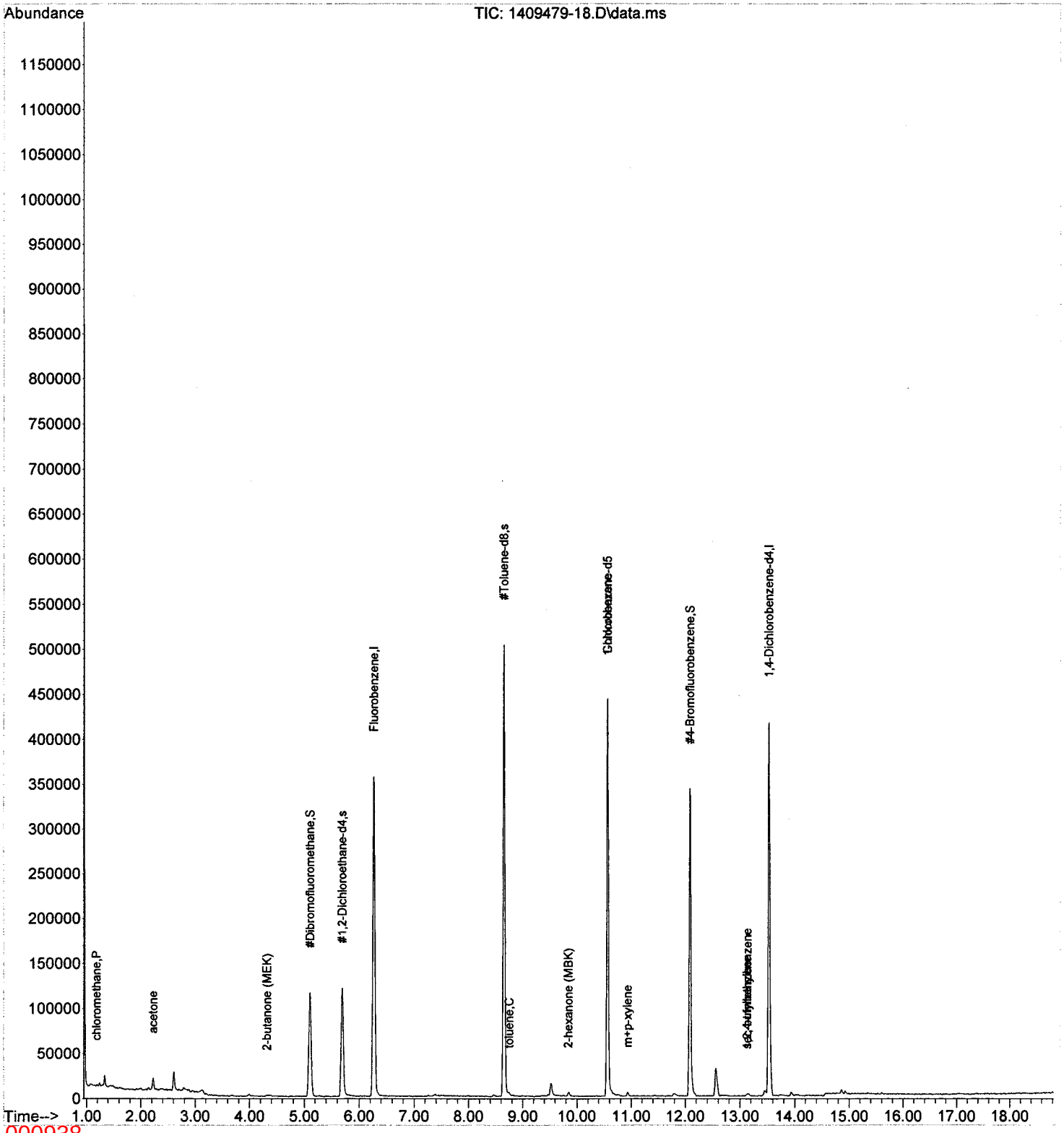
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-18
File ID: 1409479-18.D
Sampled: 09/25/14 13:05
Prepared: 10/08/14 08:00
Analyzed: 10/08/14 16:15
Solids: 97.75
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410909
Sequence: 4J08061
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	306983	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	150695	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-18.D
Acq On : 08 Oct 2014 16:15
Operator : DLV
Sample : 1409479-18
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 08 16:35:55 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-18.D
Acq On : 08 Oct 2014 16:15
Operator : DLV
Sample : 1409479-18
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 08 16:35:55 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	448684	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	306983	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	150695	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	115904	41.61	ug/L		0.00
Spiked Amount 40.000			Recovery = 104.02%				
37) #1,2-Dichloroethane-d4	5.690	67	68946	42.15	ug/L		0.00
Spiked Amount 40.000			Recovery = 105.38%				
46) #Toluene-d8	8.654	98	426757	39.33	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.32%				
64) #4-Bromofluorobenzene	12.083	95	153648	40.44	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.10%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	1.184	50	1536	~~0.27~~	ug/L	#	42
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.225	43	17459	8.74	ug/L		96
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	12006	Below Cal			96
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.319	43	2791	~~1.58~~	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

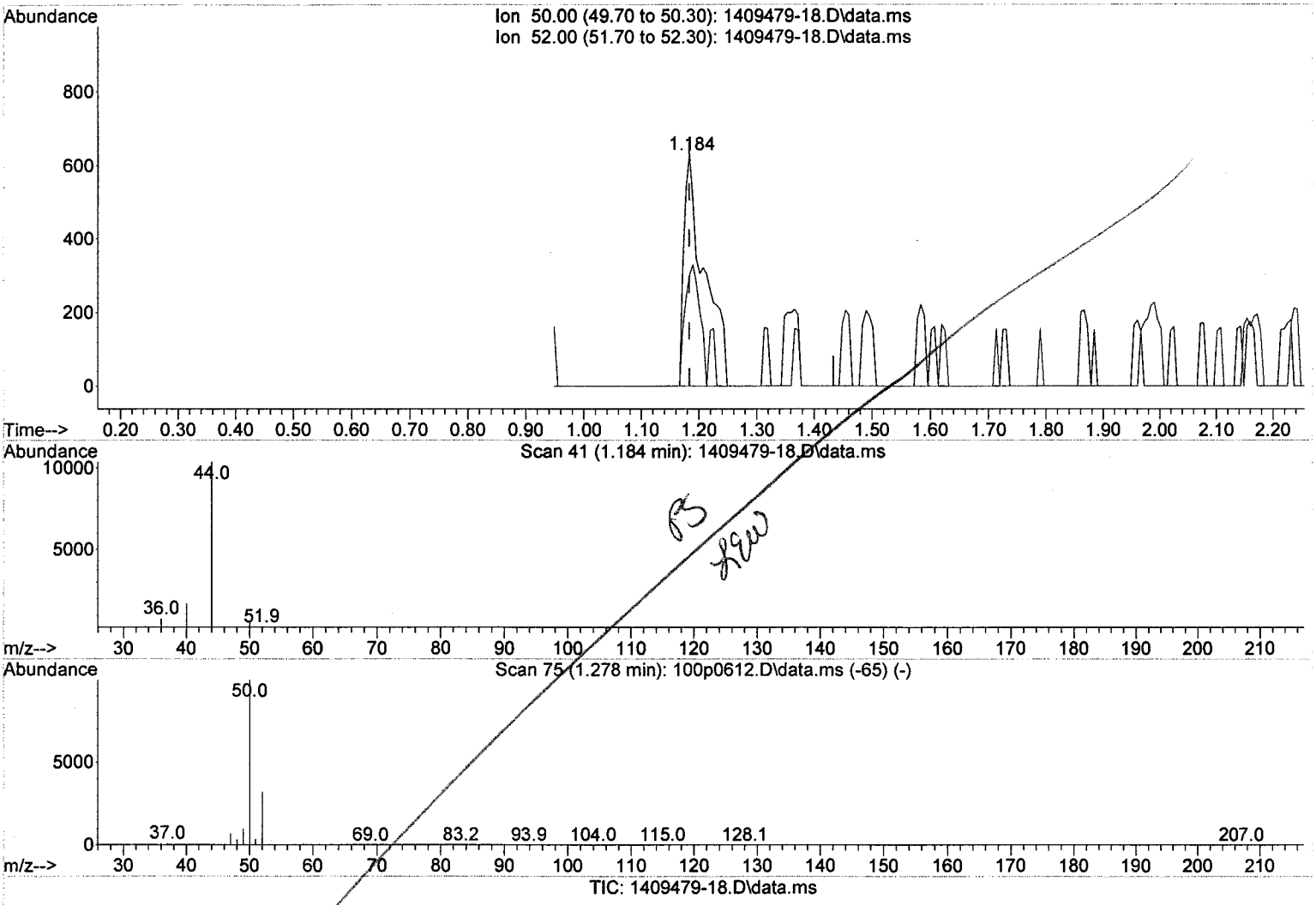
InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-18.D
Acq On : 08 Oct 2014 16:15
Operator : DLV
Sample : 1409479-18
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 08 16:35:55 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.748	91	1869	✓ 0.11 ug/L #	23
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.842	43	1560	nr ~~0.63~~ ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2750	0.66 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	10.931	106	1751	✓ 0.26 ug/L	98
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.136	105	2499	ps ~~0.17~~ ug/L #	31
77) sec-butylbenzene	13.136	105	2429	0.13 ug/L #	58
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-18.D
Acq On : 08 Oct 2014 16:15
Operator : DLV
Sample : 1409479-18
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 08 16:35:55 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-18.D\data.ms

(3) chloromethane (P)

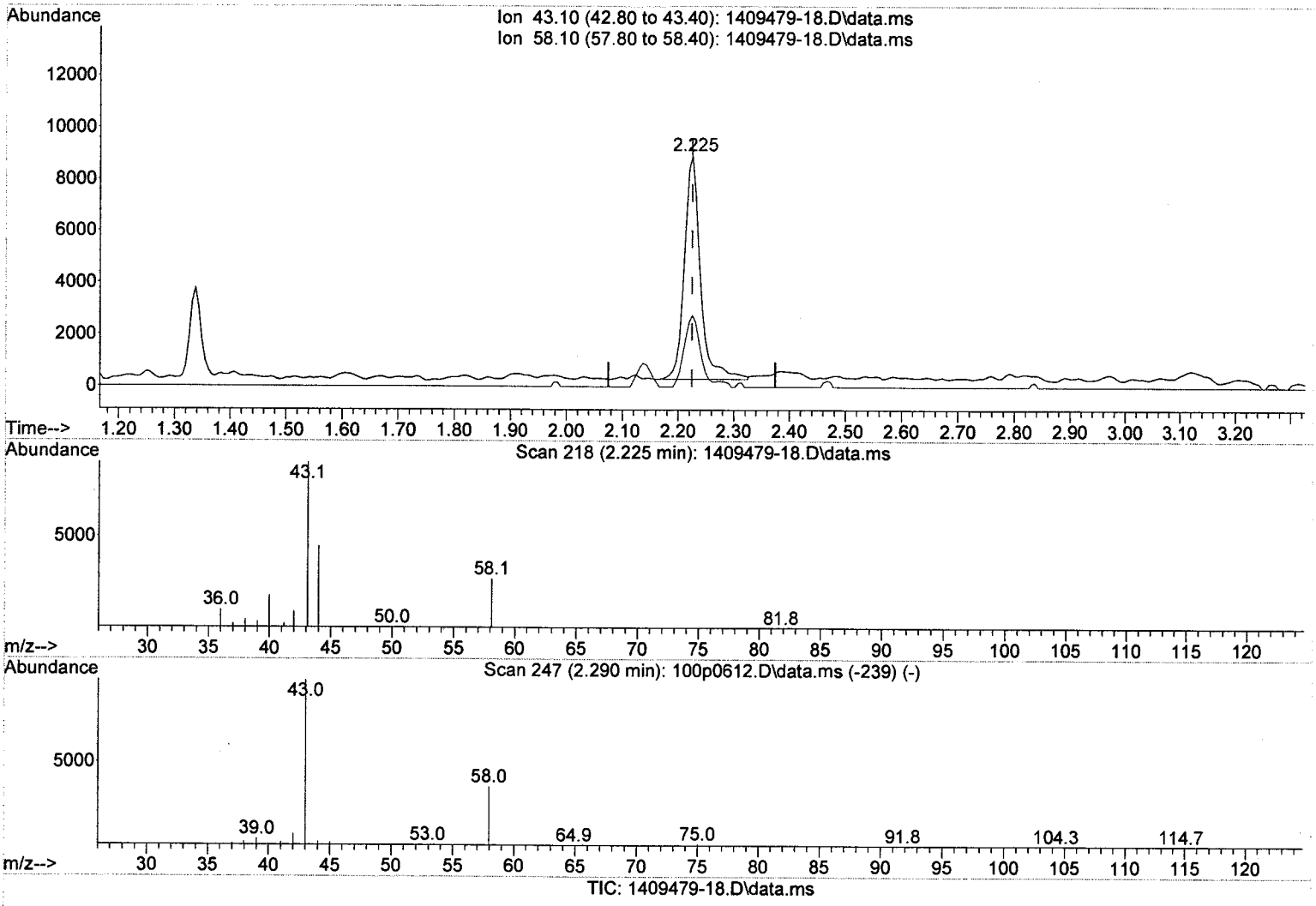
1.184min (+ 0.000) 0.27 ug/L

response 1536

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-18.D
Acq On : 08 Oct 2014 16:15
Operator : DLV
Sample : 1409479-18
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 08 16:35:55 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-18.D\data.ms

(13) acetone

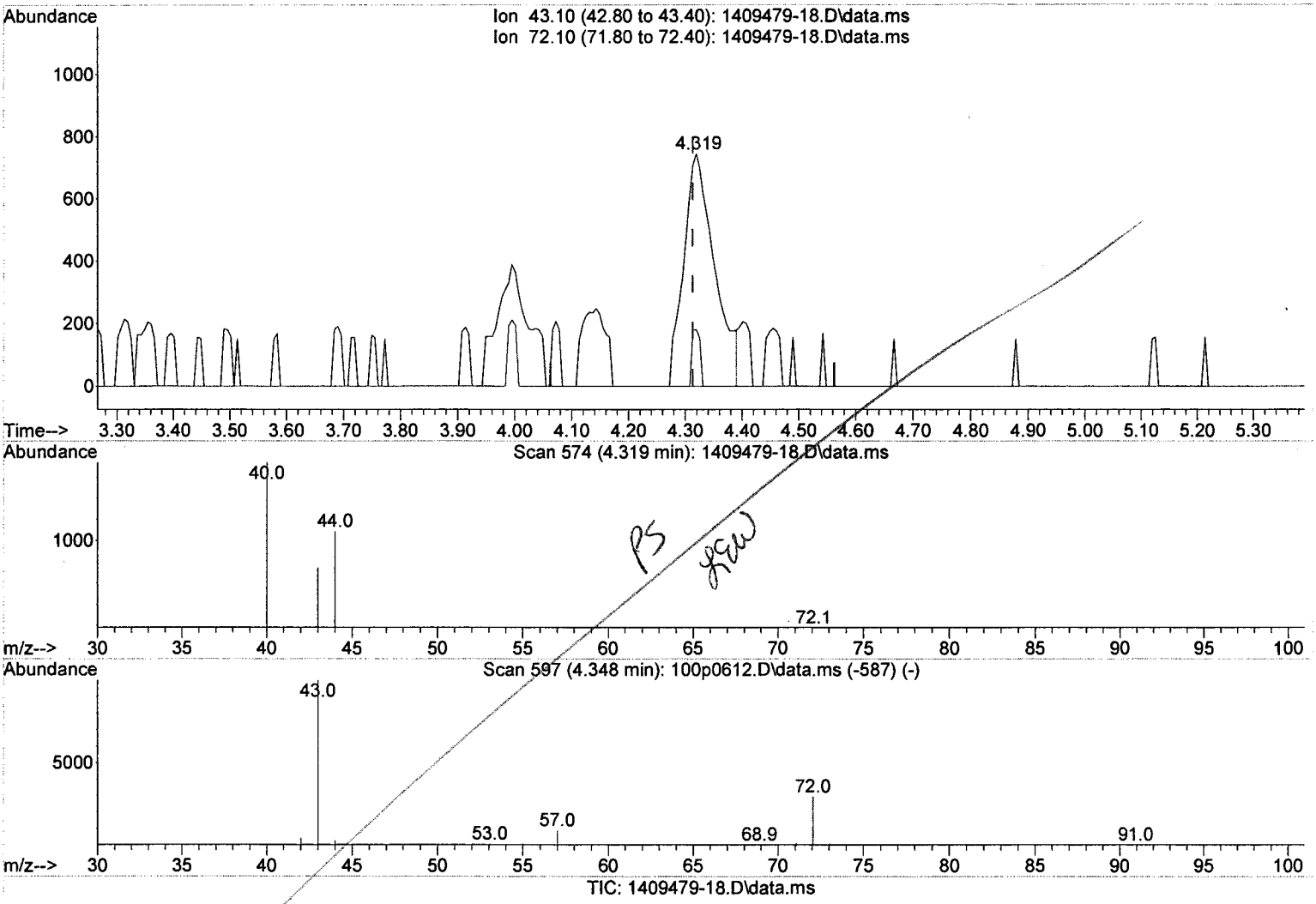
2.225min (+ 0.000) 8.74 ug/L

response 17459

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	33.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-18.D
Acq On : 08 Oct 2014 16:15
Operator : DLV
Sample : 1409479-18
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 08 16:35:55 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-18.D\data.ms

(25) 2-butanone (MEK)

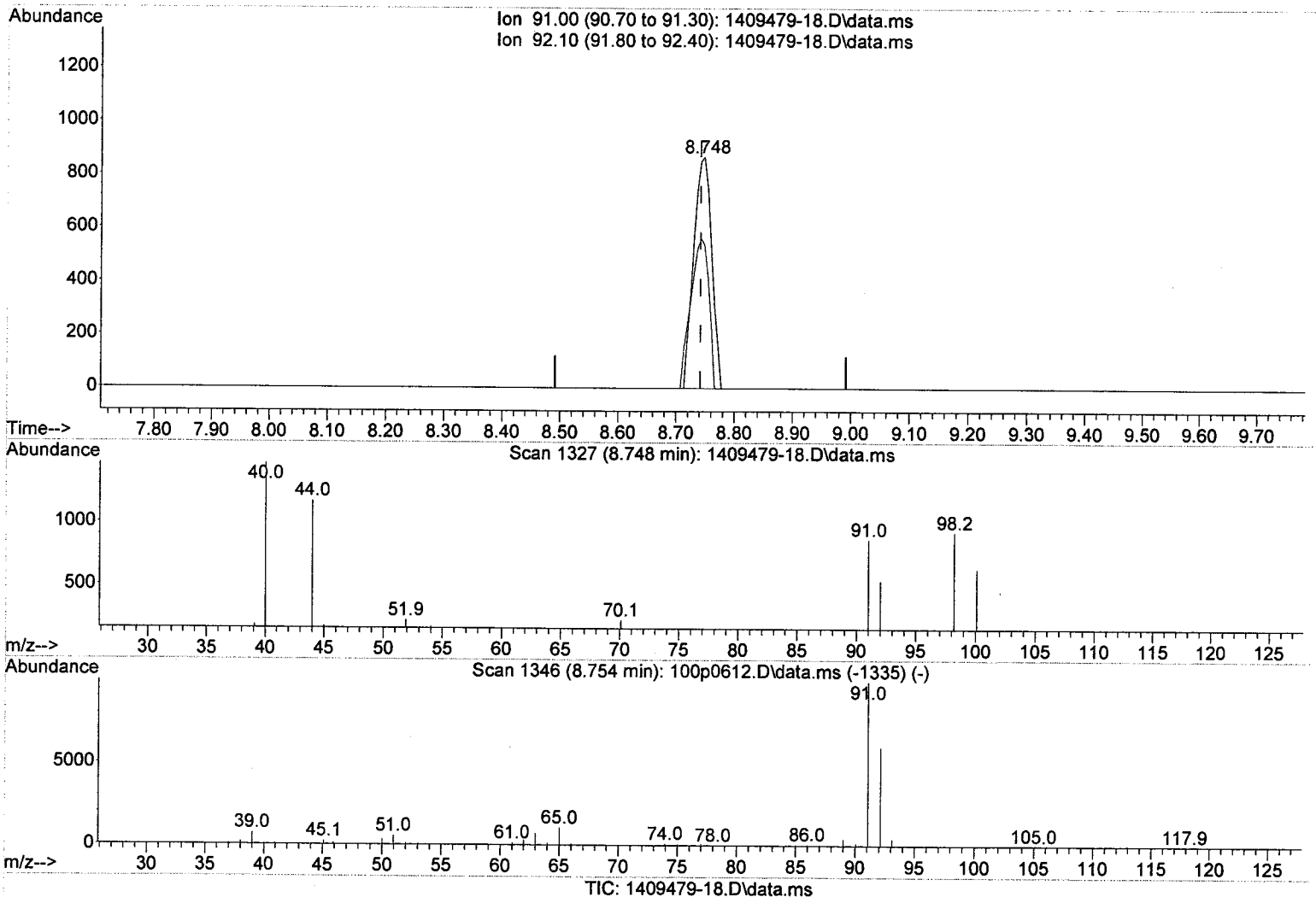
4.319min (+ 0.006) 1.58 ug/L

response 2791

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-18.D
Acq On : 08 Oct 2014 16:15
Operator : DLV
Sample : 1409479-18
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 08 16:35:55 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-18.D\data.ms

(47) toluene (C)

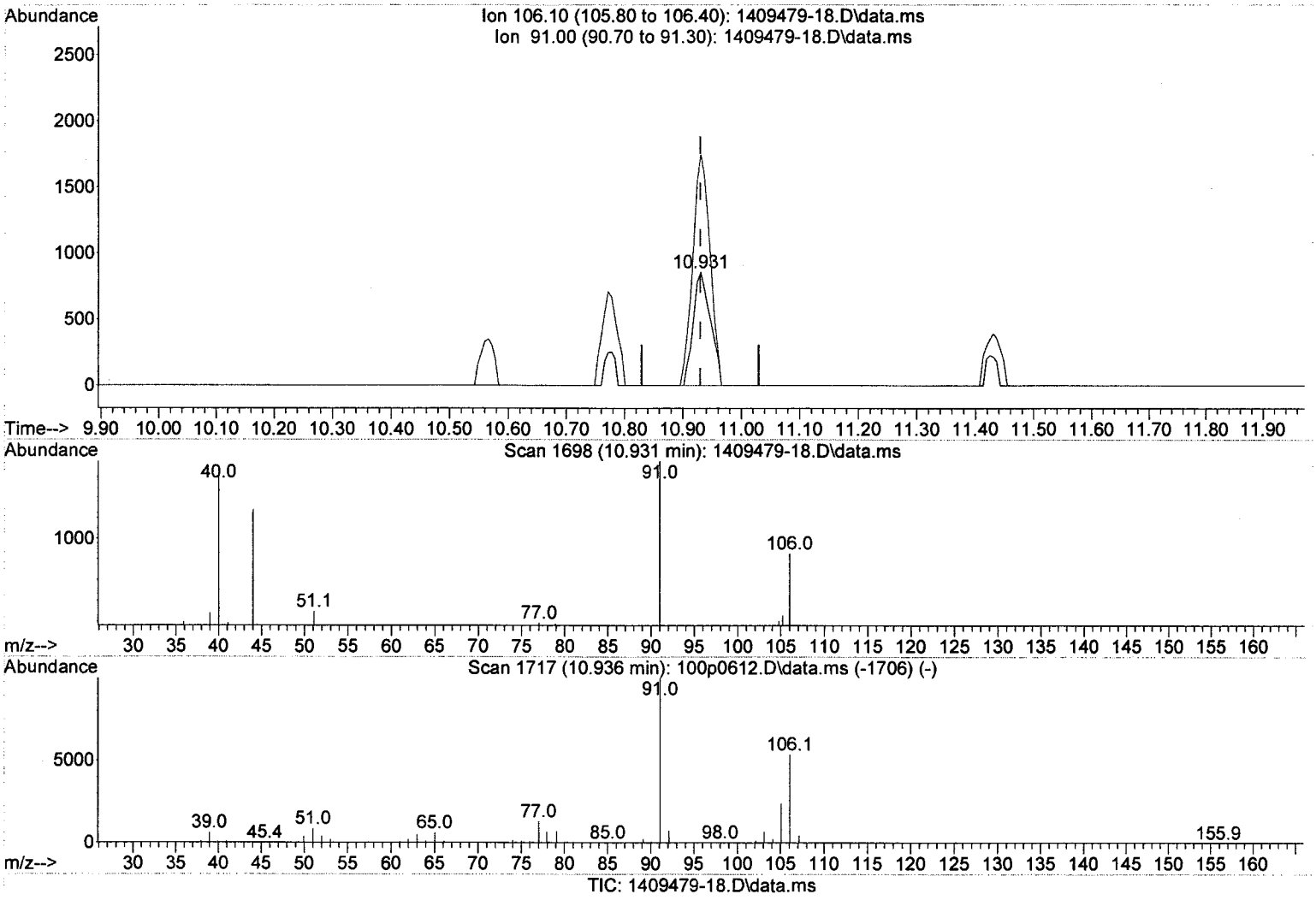
8.748min (+ 0.006) 0.11 ug/L

response 1869

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-18.D
Acq On : 08 Oct 2014 16:15
Operator : DLV
Sample : 1409479-18
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 08 16:35:55 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409479-18.D\data.ms

(60) m+p-xylene

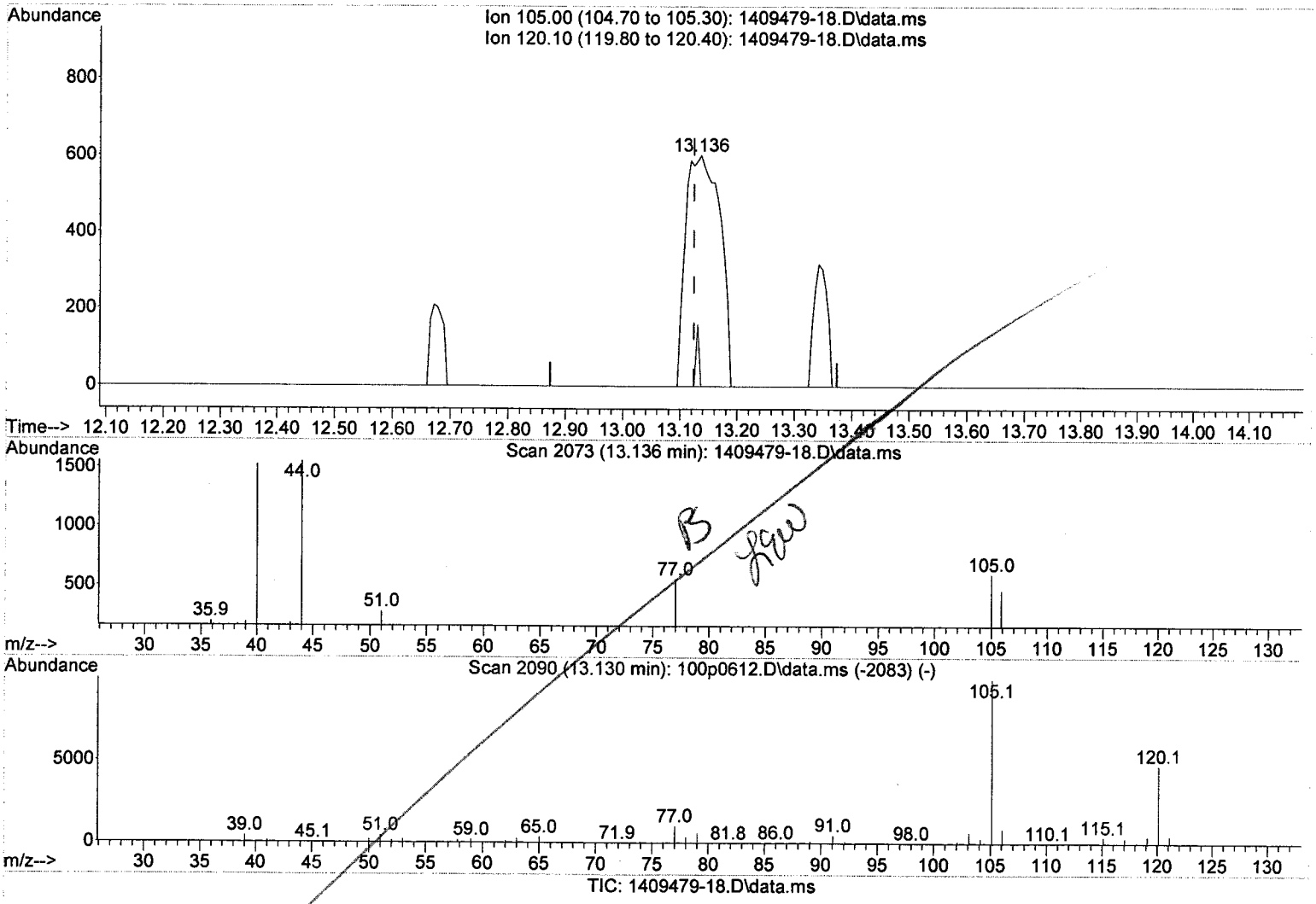
10.931min (+ 0.001) 0.26 ug/L

response 1751

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	204.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1409479-18.D
Acq On : 08 Oct 2014 16:15
Operator : DLV
Sample : 1409479-18
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 08 16:35:55 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(76) 1,2,4-trimethylbenzene

13.136min (+ 0.012) 0.17 ug/L

response 2499

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	45.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092614JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1409499-01 File ID: 1409499-01.D

Sampled: 09/26/14 12:00 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 02:24

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	2.7	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092614JC-001

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1409499-01
File ID: 1409499-01.D
Sampled: 09/26/14 12:00
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 02:24
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.2	103	80 - 119	
1,2-Dichloroethane-d4	40.0	41.0	103	81 - 118	
Toluene-d8	40.0	38.9	97	89 - 112	
4-Bromofluorobenzene	40.0	37.9	95	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092614JC-001

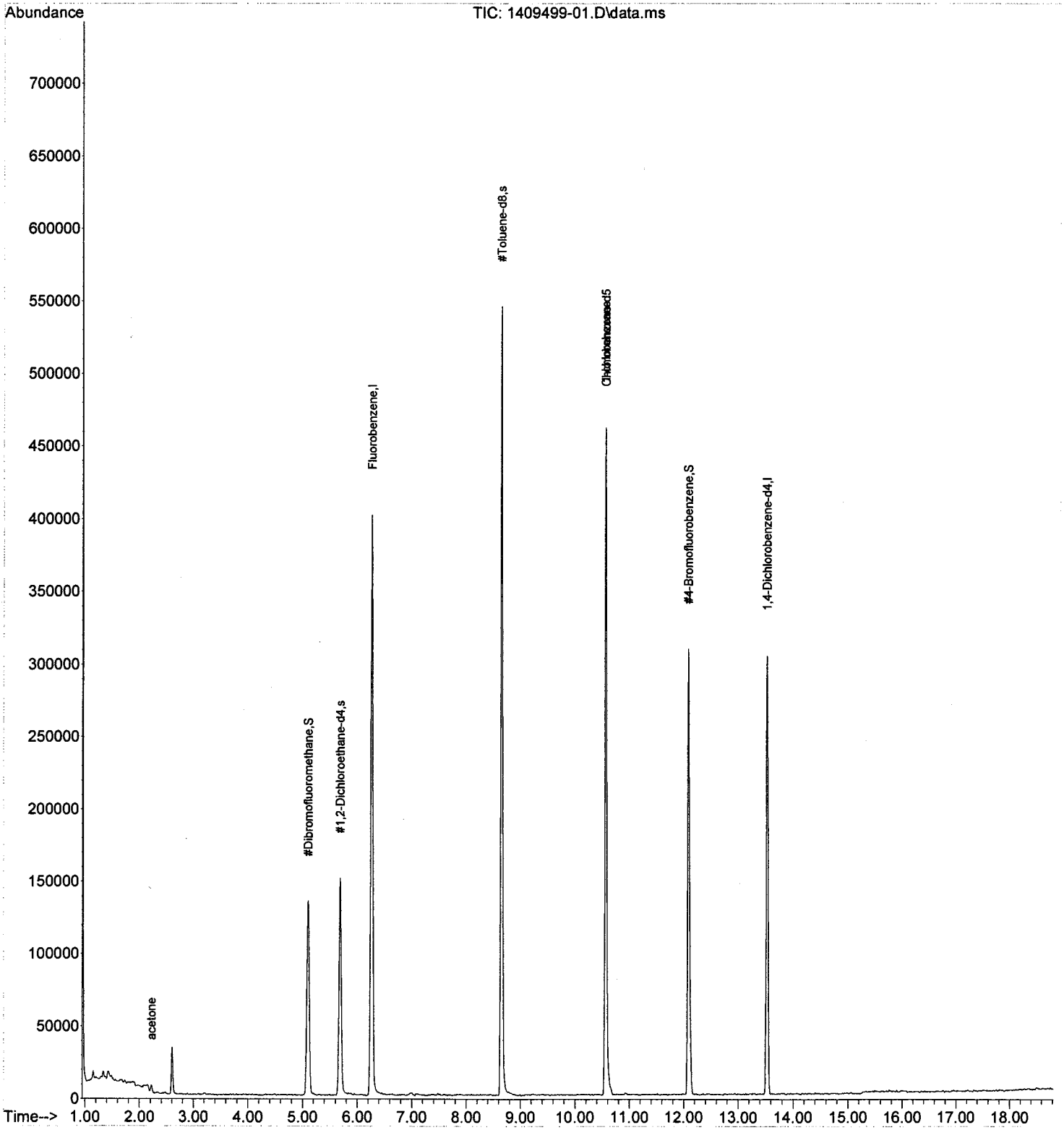
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1409499-01
File ID: 1409499-01.D
Sampled: 09/26/14 12:00
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 02:24
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	500015	6.266	523953	6.266	
Chlorobenzene-d5	333417	10.566	369199	10.56	
1,4-Dichlorobenzene-d4	107075	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-01.D
Acq On : 03 Oct 2014 02:24
Operator : DLV
Sample : 1409499-01
Misc : AECOM
ALS Vial : 43 Sample Multiplier: 1
Quant Time: Oct 04 11:43:09 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



000950

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-01.D
Acq On : 03 Oct 2014 02:24
Operator : DLV
Sample : 1409499-01
Misc : AECOM
ALS Vial : 43 Sample Multiplier: 1
Quant Time: Oct 04 11:43:09 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	500015	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	333417	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	107075	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	136191	41.15	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.88%		
37) #1,2-Dichloroethane-d4	5.684	67	84286	41.02	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.55%		
46) #Toluene-d8	8.654	98	473931	38.89	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.23%		
64) #4-Bromofluorobenzene	12.083	95	157384	37.88	ug/L	0.00
Spiked Amount 40.000			Recovery =	94.70%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	6396	✓ 2.72	ug/L	99
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.601	49	18347	N.D.		
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	17864	No Calib		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-01.D
Acq On : 03 Oct 2014 02:24
Operator : DLV
Sample : 1409499-01
Misc : AECOM
ALS Vial : 43 Sample Multiplier: 1
Quant Time: Oct 04 11:43:09 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

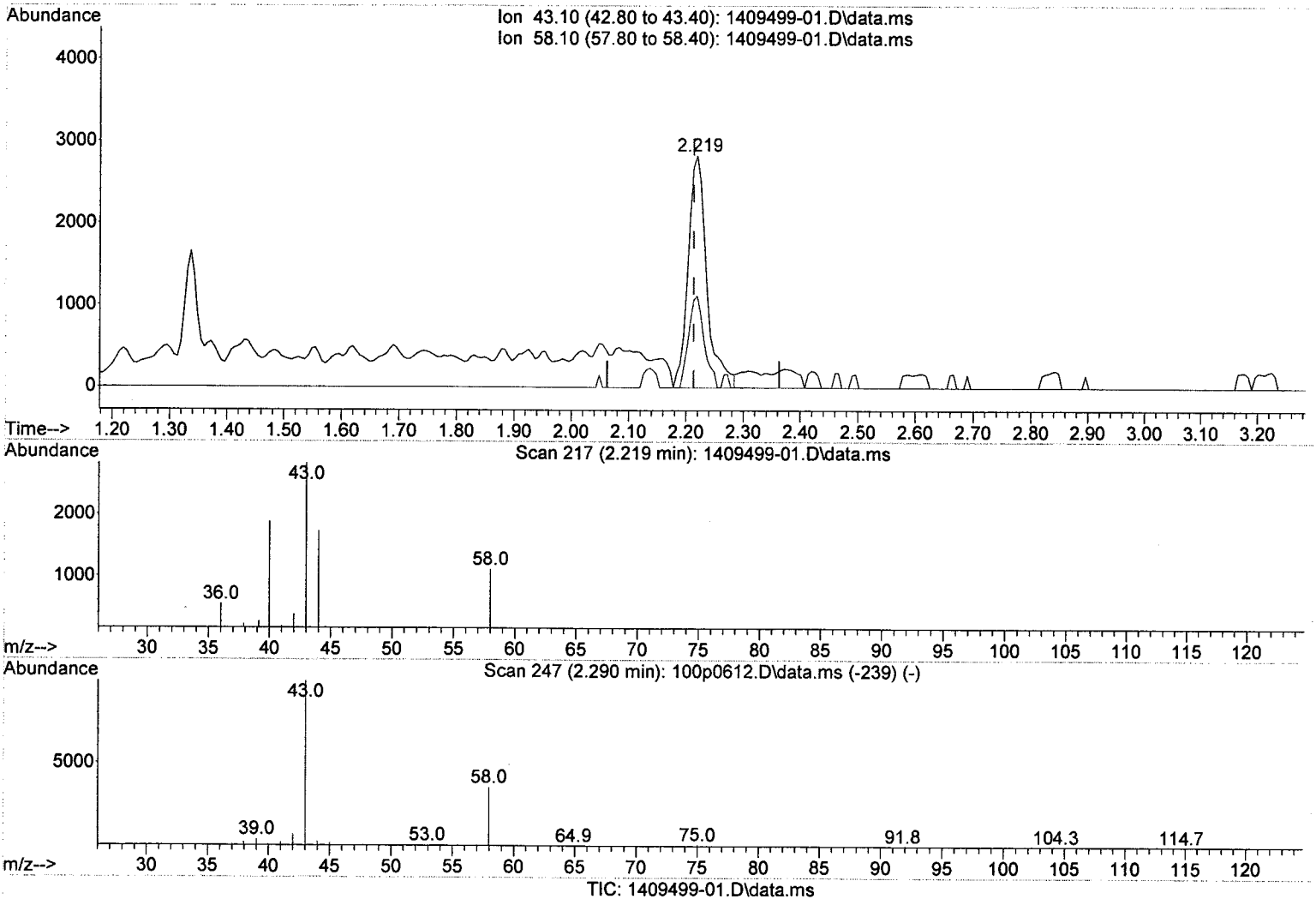
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2648	0.79 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

000952

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-01.D
Acq On : 03 Oct 2014 02:24
Operator : DLV
Sample : 1409499-01
Misc : AECOM
ALS Vial : 43 Sample Multiplier: 1
Quant Time: Oct 03 06:48:04 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409499-01.D\data.ms

(13) acetone

2.219min (+ 0.006) 2.72 ug/L

response 6396

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	33.05
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB30-08

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-02
File ID: 1409499-02.D
Sampled: 09/26/14 11:45
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 10:16
Solids: 91.67
Preparation: 5035A Low Concentratio
Initial/Final: 5.9 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	21	3.9	4.6	4.6	
71-43-2	Benzene	1	0.16	0.15	0.46	0.92	J
108-86-1	Bromobenzene	1	0.46	0.12	0.46	0.92	U
74-97-5	Bromochloromethane	1	0.46	0.13	0.46	0.92	U
75-27-4	Bromodichloromethane	1	0.46	0.16	0.46	0.92	U
75-25-2	Bromoform	1	0.46	0.33	0.46	0.92	U
74-83-9	Bromomethane	1	0.46	0.30	0.46	0.92	U
104-51-8	n-Butylbenzene	1	0.46	0.24	0.46	0.92	U
135-98-8	sec-Butylbenzene	1	0.46	0.20	0.46	0.92	U
98-06-6	tert-Butylbenzene	1	0.46	0.15	0.46	0.92	U
75-15-0	Carbon Disulfide	1	0.25	0.21	0.46	0.92	J
56-23-5	Carbon Tetrachloride	1	0.46	0.30	0.46	0.92	U
108-90-7	Chlorobenzene	1	0.46	0.14	0.46	0.92	U
75-00-3	Chloroethane	1	0.92	0.46	0.92	0.92	U
67-66-3	Chloroform	1	0.46	0.13	0.46	0.92	U
74-87-3	Chloromethane	1	0.46	0.24	0.46	0.92	U
95-49-8	2-Chlorotoluene	1	0.46	0.27	0.46	0.92	U
106-43-4	4-Chlorotoluene	1	0.18	0.18	0.18	0.92	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.92	0.55	0.92	4.6	U
124-48-1	Dibromochloromethane	1	0.46	0.17	0.46	0.92	U
106-93-4	1,2-Dibromoethane	1	0.46	0.14	0.46	0.92	U
74-95-3	Dibromomethane	1	0.46	0.21	0.46	0.92	U
95-50-1	1,2-Dichlorobenzene	1	0.18	0.086	0.18	0.92	U
541-73-1	1,3-Dichlorobenzene	1	0.18	0.10	0.18	0.92	U
106-46-7	1,4-Dichlorobenzene	1	0.18	0.098	0.18	0.92	U
75-71-8	Dichlorodifluoromethane	1	0.46	0.13	0.46	0.92	U
75-34-3	1,1-Dichloroethane	1	0.46	0.19	0.46	0.92	U
107-06-2	1,2-Dichloroethane	1	0.46	0.21	0.46	0.92	U
75-35-4	1,1-Dichloroethene	1	0.46	0.28	0.46	0.92	U
156-59-2	cis-1,2-Dichloroethene	1	0.46	0.21	0.46	0.92	U
156-60-5	trans-1,2-Dichloroethene	1	0.46	0.25	0.46	0.92	U
78-87-5	1,2-Dichloropropane	1	0.46	0.16	0.46	0.92	U
142-28-9	1,3-Dichloropropane	1	0.46	0.13	0.46	0.92	U
594-20-7	2,2-Dichloropropane	1	0.46	0.21	0.46	0.92	U
563-58-6	1,1-Dichloropropene	1	0.46	0.26	0.46	0.92	U
10061-01-5	cis-1,3-Dichloropropene	1	0.18	0.10	0.18	0.92	U
10061-02-6	trans-1,3-Dichloropropene	1	0.46	0.11	0.46	0.92	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB30-08

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-02
File ID: 1409499-02.D
Sampled: 09/26/14 11:45
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 10:16
Solids: 91.67
Preparation: 5035A Low Concentratio
Initial/Final: 5.9 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.4	0.17	0.46	0.92	
87-68-3	Hexachlorobutadiene	1	0.46	0.19	0.46	0.92	U
591-78-6	2-Hexanone	1	0.46	0.44	0.46	4.6	U
98-82-8	Isopropylbenzene	1	0.18	0.10	0.18	0.92	U
99-87-6	4-Isopropyltoluene	1	0.46	0.22	0.46	0.92	U
75-09-2	Methylene Chloride	1	1.1	0.43	0.92	4.6	JB
78-93-3	2-Butanone (MEK)	1	4.6	1.0	4.6	4.6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.46	0.36	0.46	4.6	U
91-20-3	Naphthalene	1	0.46	0.15	0.46	4.6	U
103-65-1	n-Propylbenzene	1	0.46	0.11	0.46	0.92	U
100-42-5	Styrene	1	0.18	0.18	0.18	0.92	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.46	0.14	0.46	0.92	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.46	0.13	0.46	0.92	U
127-18-4	Tetrachloroethene	1	43	0.16	0.46	0.92	
108-88-3	Toluene	1	1.9	0.092	0.18	0.92	
87-61-6	1,2,3-Trichlorobenzene	1	0.46	0.26	0.46	0.92	U
120-82-1	1,2,4-Trichlorobenzene	1	0.46	0.16	0.46	0.92	U
71-55-6	1,1,1-Trichloroethane	1	0.46	0.13	0.46	0.92	U
79-00-5	1,1,2-Trichloroethane	1	0.46	0.20	0.46	0.92	U
79-01-6	Trichloroethene	1	0.57	0.22	0.46	0.92	J
75-69-4	Trichlorofluoromethane	1	0.46	0.16	0.46	0.92	U
96-18-4	1,2,3-Trichloropropane	1	0.46	0.21	0.46	0.92	U
95-63-6	1,2,4-Trimethylbenzene	1	0.46	0.11	0.46	0.92	U
108-67-8	1,3,5-Trimethylbenzene	1	0.46	0.18	0.46	0.92	U
75-01-4	Vinyl Chloride	1	0.46	0.18	0.46	0.92	U
179601-23-1	Xylene, Meta + Para	1	5.3	0.13	0.37	1.8	
95-47-6	Xylene, Ortho	1	1.4	0.10	0.18	0.92	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.4	106	78 - 119	
1,2-Dichloroethane-d4	40.0	43.5	109	71 - 136	
Toluene-d8	40.0	38.4	96	85 - 116	
4-Bromofluorobenzene	40.0	35.3	88	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	457242	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB30-08

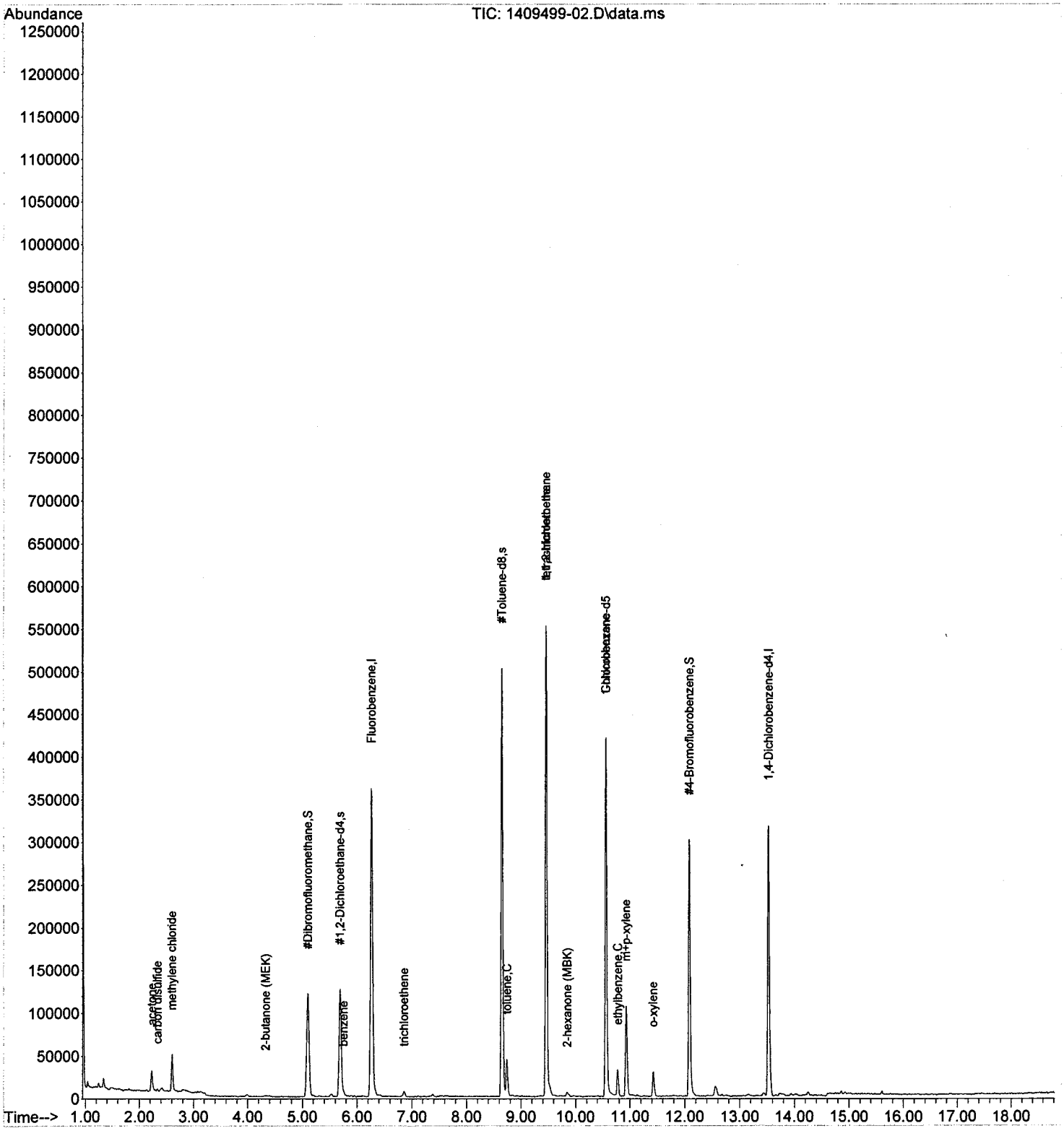
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-02
File ID: 1409499-02.D
Sampled: 09/26/14 11:45
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 10:16
Solids: 91.67
Preparation: 5035A Low Concentratio
Initial/Final: 5.9 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	300094	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	113603	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	457242	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	300094	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	113603	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	120350	42.40	ug/L	0.00
Spiked Amount 40.000			Recovery = 106.00%			
37) #1,2-Dichloroethane-d4	5.690	67	72534	43.52	ug/L	0.00
Spiked Amount 40.000			Recovery = 108.80%			
46) #Toluene-d8	8.654	98	424950	38.43	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.08%			
64) #4-Bromofluorobenzene	12.083	95	130987	35.27	ug/L	0.00
Spiked Amount 40.000			Recovery = 88.17%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	34931	23.22	ug/L	95
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.337	76	2470	0.27	ug/L #	75
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.602	49	26886	1.19	ug/L	99
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	2282	~~1.27~~	ug/L #	48
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	5.754	78	2772	0.17	ug/L #	63
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	6.854	130	2626	0.62	ug/L	92

Quantitation Report (Not Reviewed)

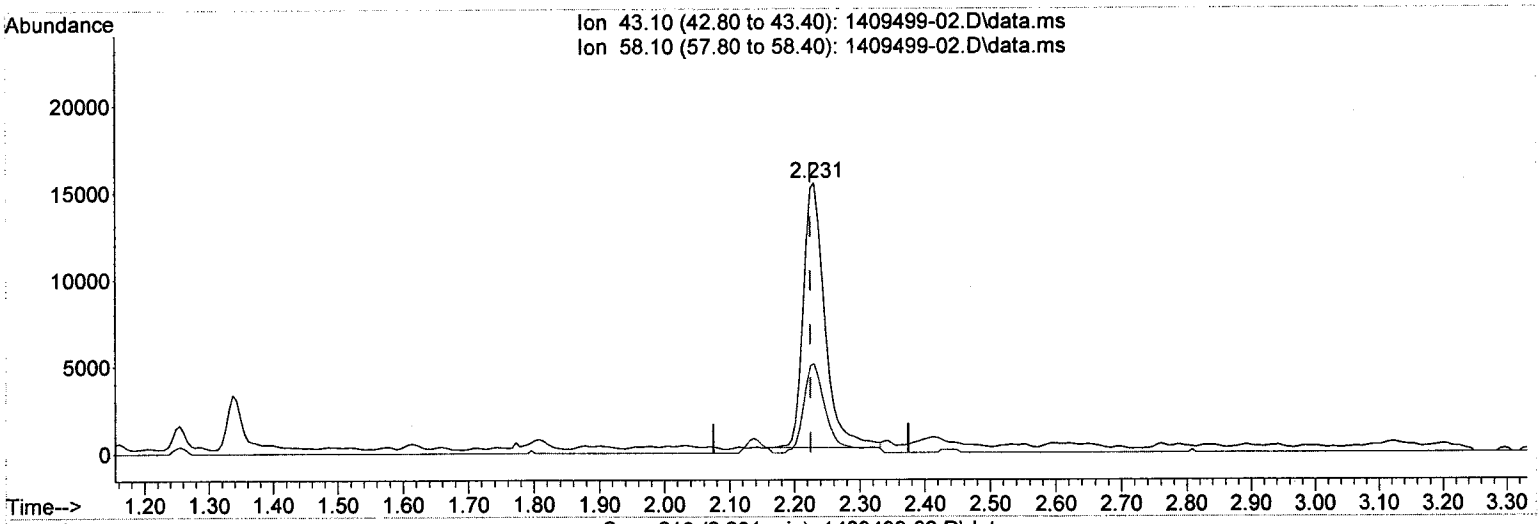
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

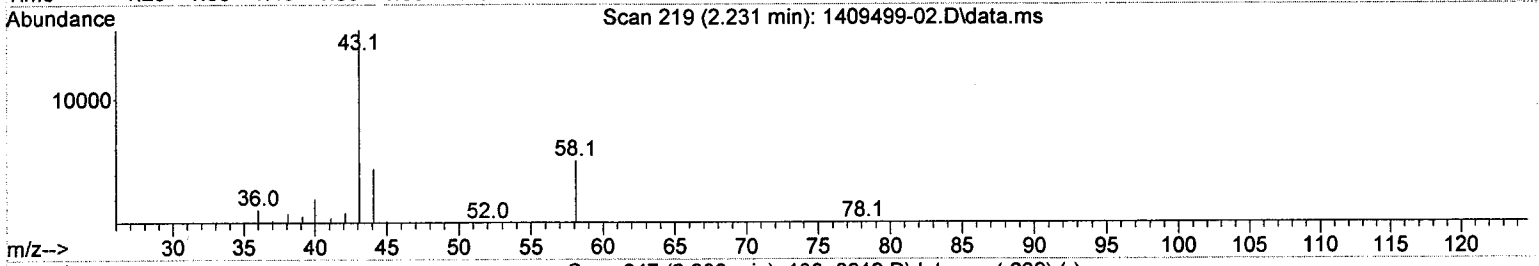
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	35732	✓ 2.09 ug/L	96
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	9.466	83	3682	nf ~~1.25~~ ug/L #	4
51) tetrachloroethene	9.466	166	202372	✓ 46.13 ug/L	99
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.848	43	1804	nf ~~0.75~~ ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2653	0.65 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.778	91	26893	✓ 1.49 ug/L	99
60) m+p-xylene	10.930	106	38279	✓ 5.76 ug/L	94
61) o-xylene	11.425	106	9732	✓ 1.55 ug/L	98
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

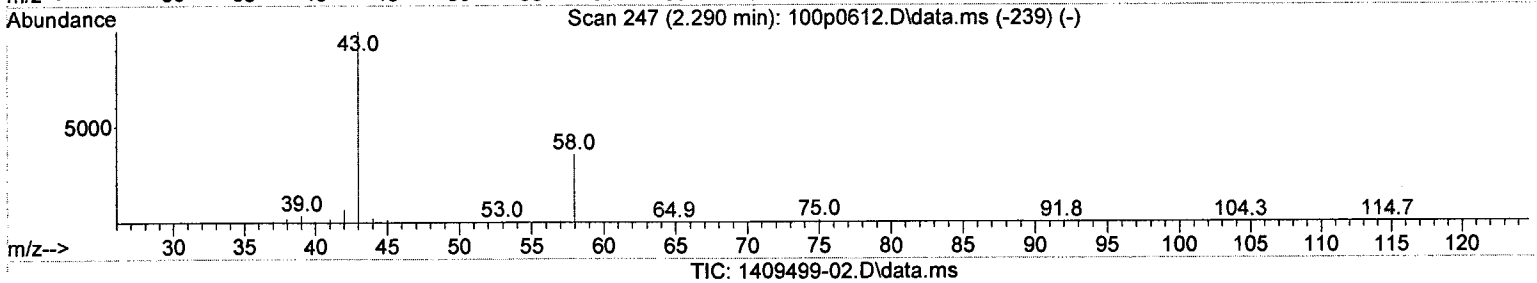
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-02.D\data.ms

(13) acetone

2.231min (+ 0.006) 23.22 ug/L

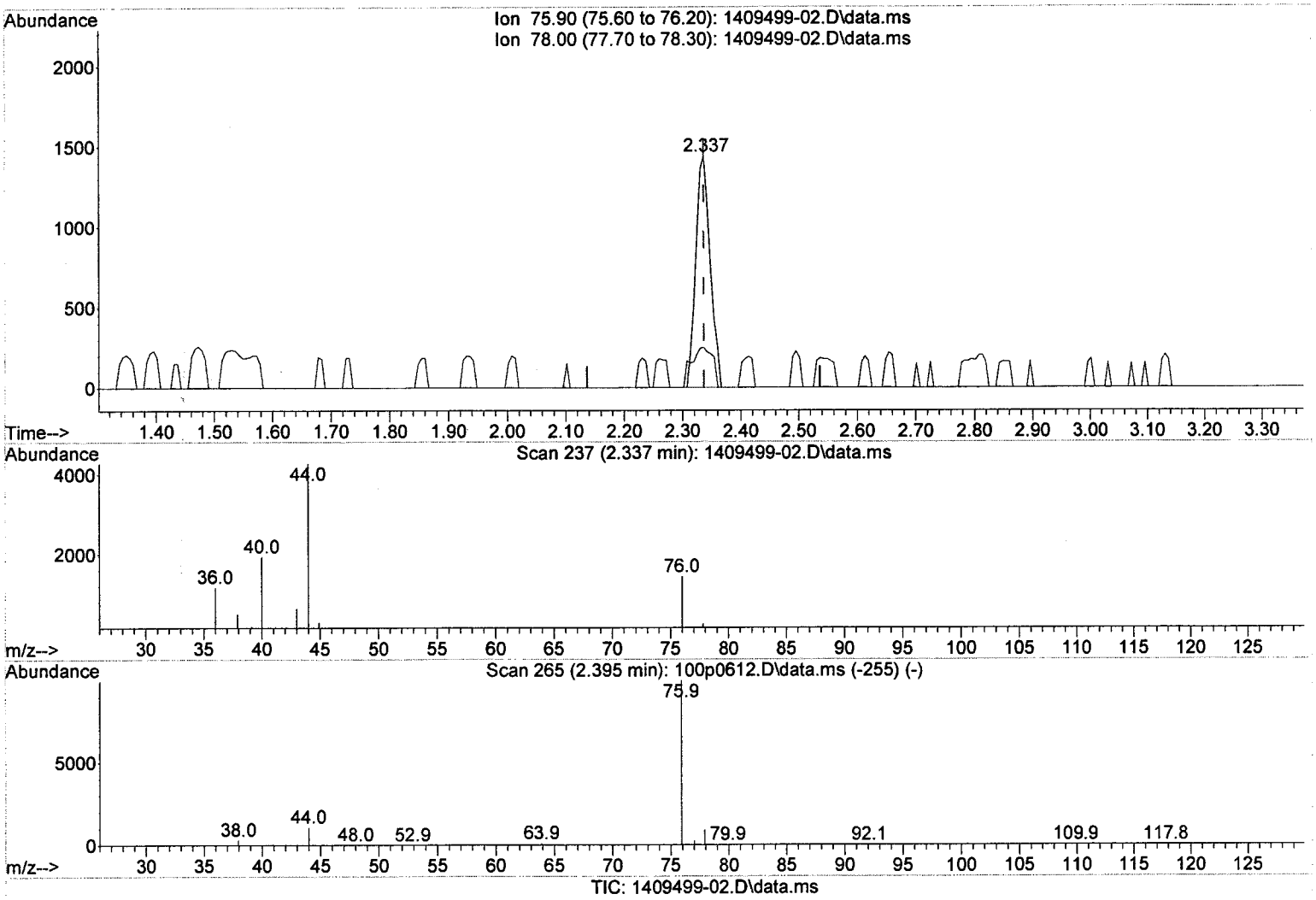
response 34931

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	34.07
0.00	0.00	0.00
0.00	0.00	0.00

000960

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(15) carbon disulfide

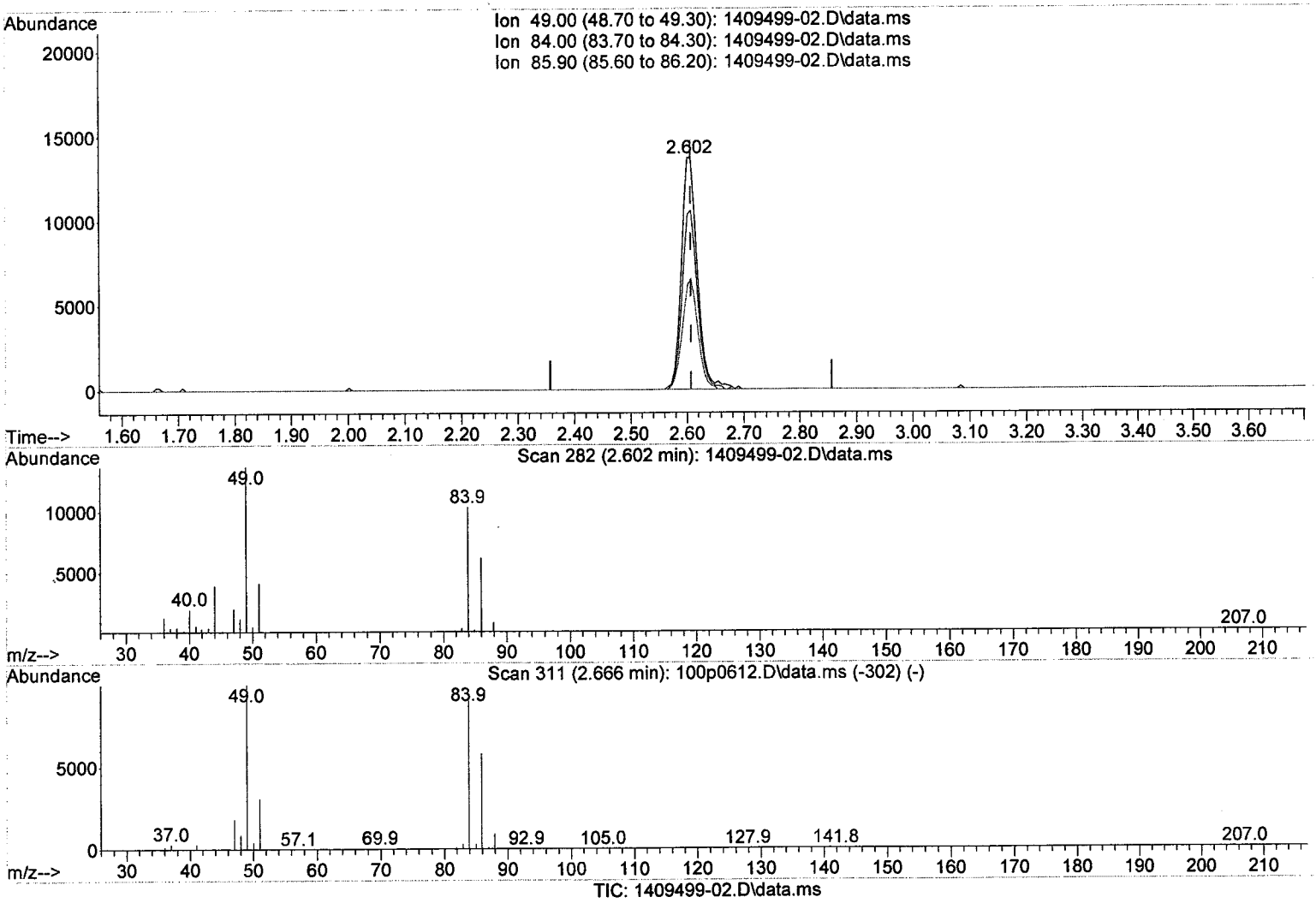
2.337min (-0.000) 0.27 ug/L

response 2470

Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(17) methylene chloride

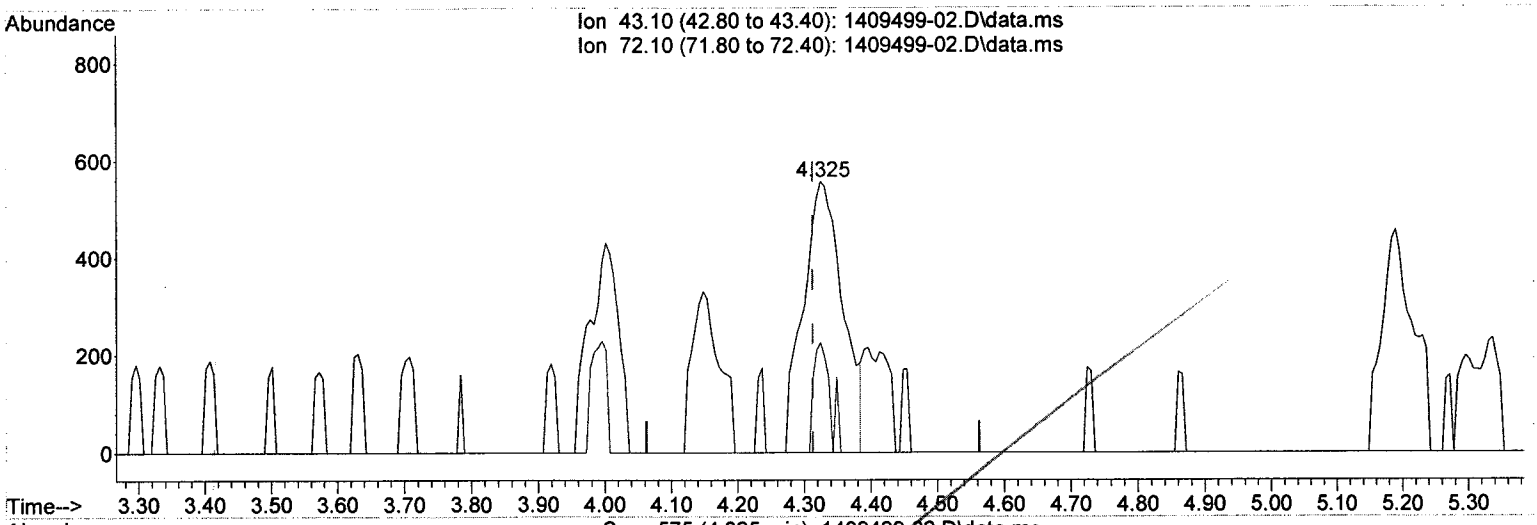
2.602min (-0.005) 1.19 ug/L

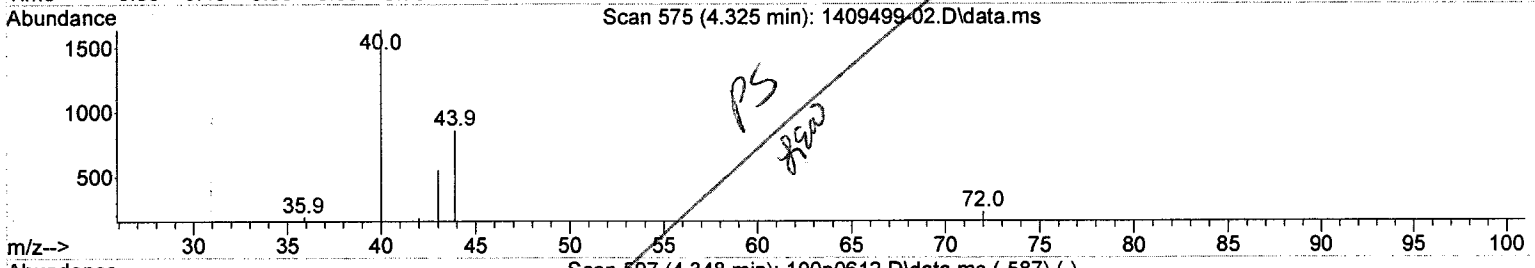
response 26886

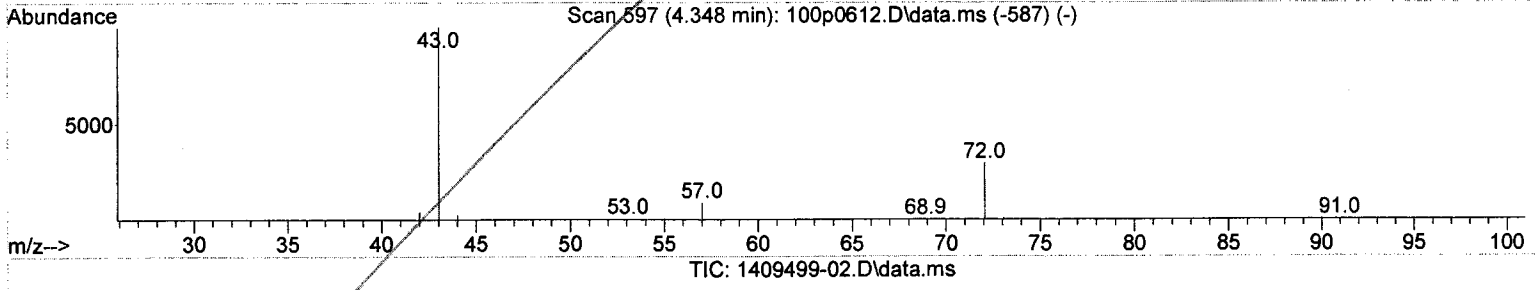
Ion	Exp%	Act%
49.00	100.00	100.00
84.00	74.80	74.89
85.90	48.00	46.06
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-02.D\data.ms

(25) 2-butanone (MEK)

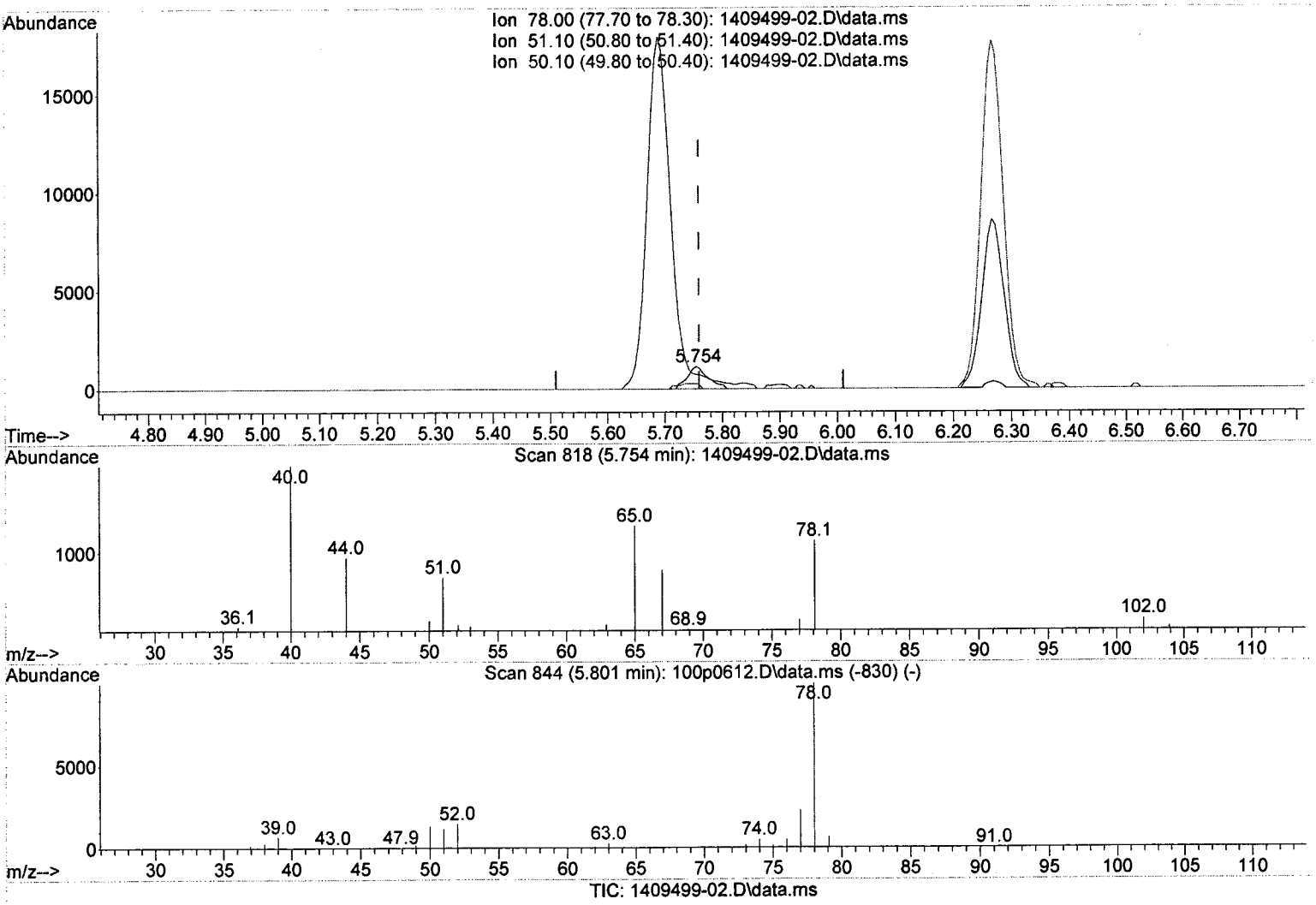
4.325min (+ 0.012) 1.27 ug/L

response 2282

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(34) benzene

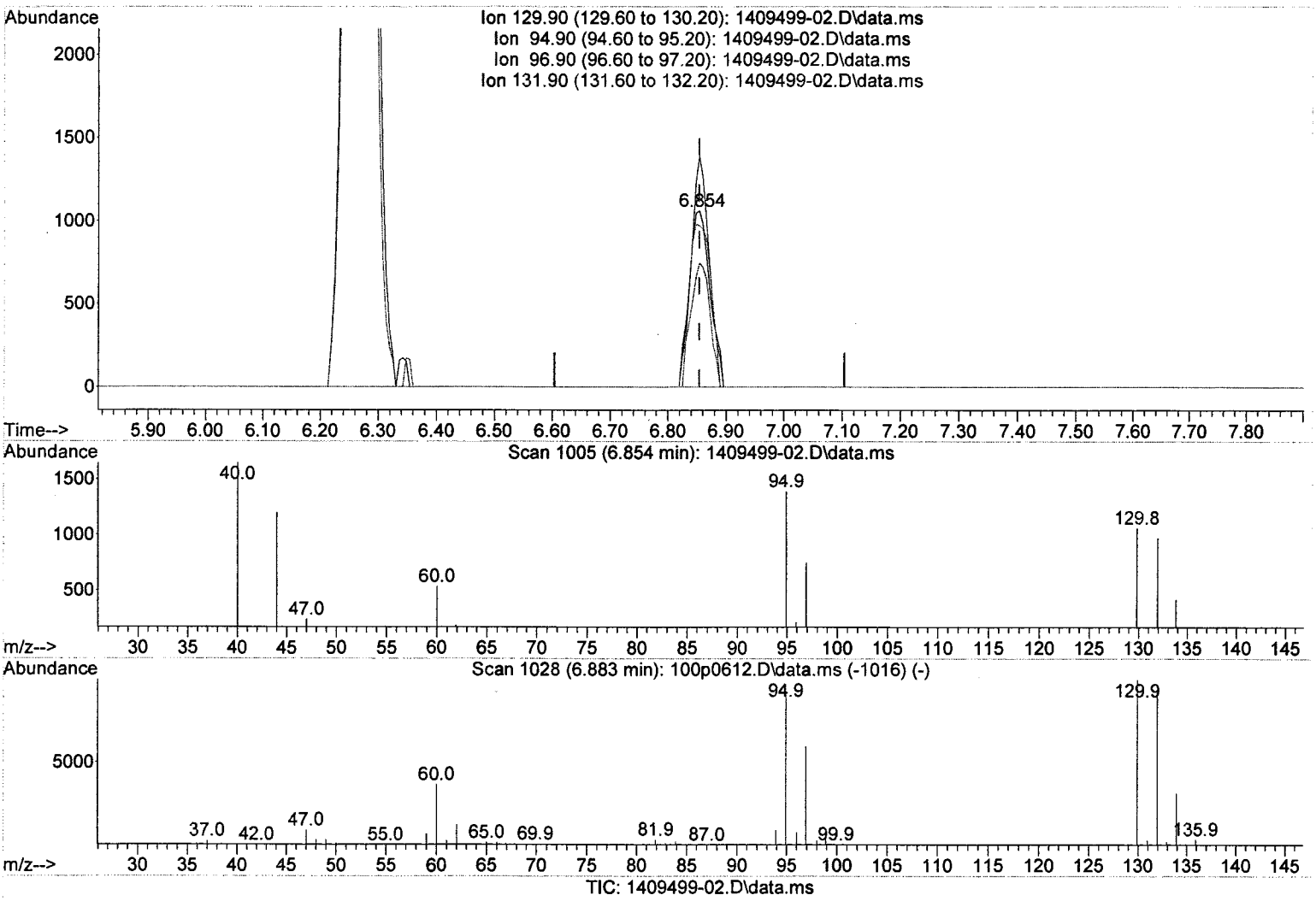
5.754min (-0.006) 0.17 ug/L

response 2772

Ion	Exp%	Act%
78.00	100.00	100.00
51.10	16.50	0.00
50.10	15.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-02.D\data.ms

(38) trichloroethene

6.854min (+ 0.000) 0.62 ug/L

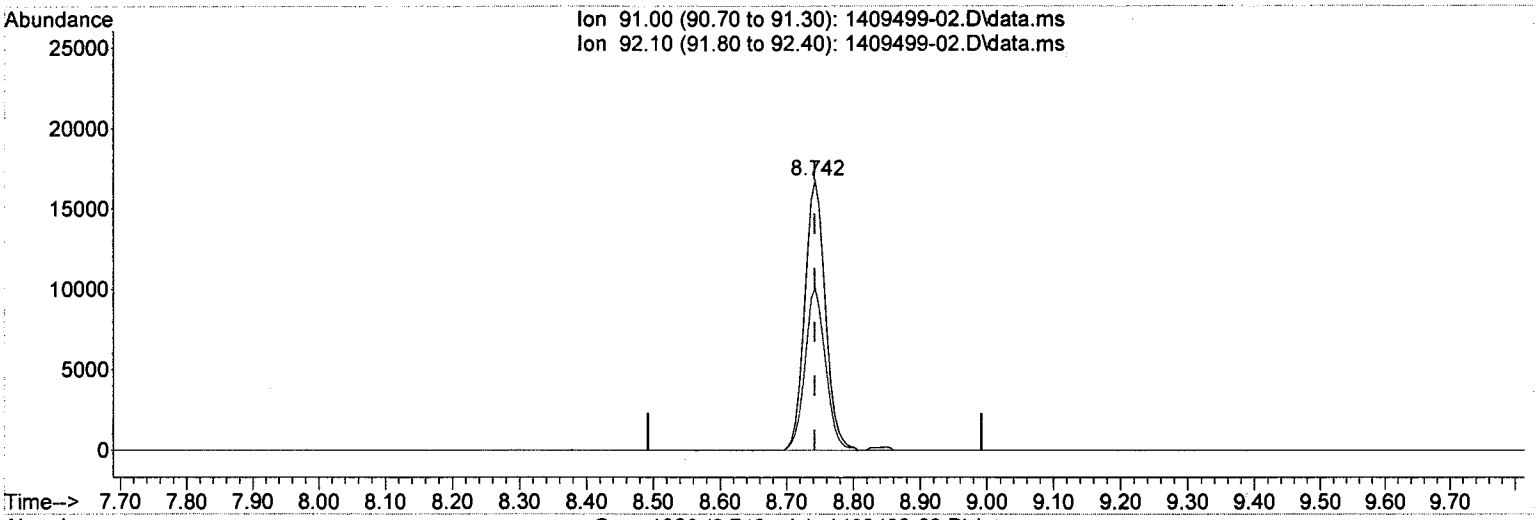
response 2626

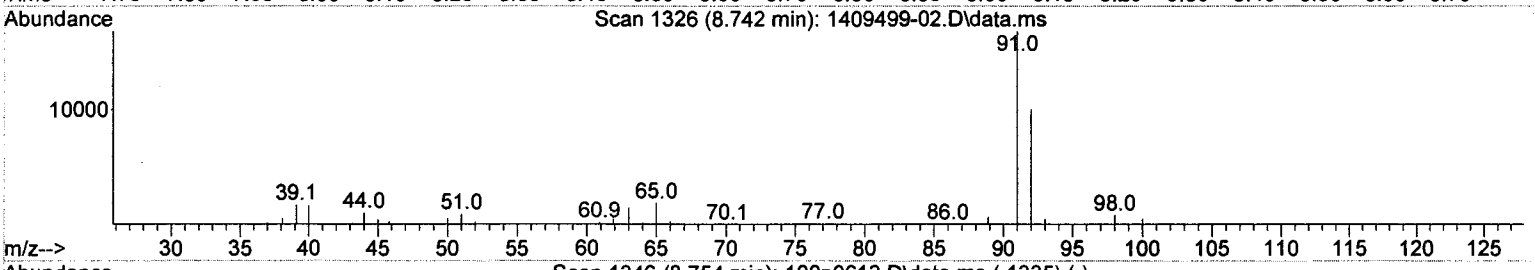
Ion	Exp%	Act%
129.90	100.00	100.00
94.90	100.30	116.26
96.90	65.70	67.44
131.90	98.10	94.06

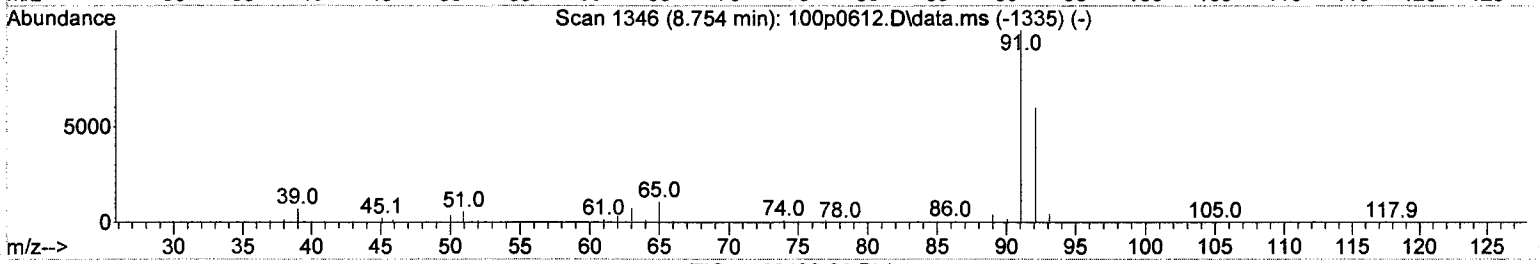
000965

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-02.D\data.ms

(47) toluene (C)

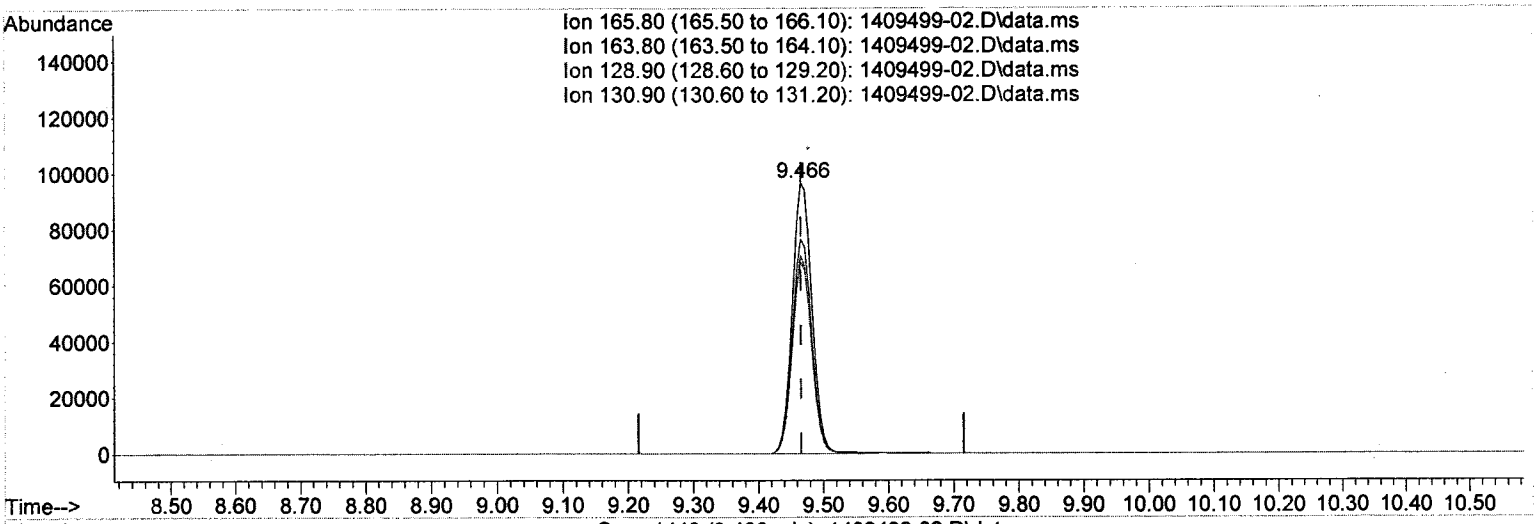
8.742min (+ 0.000) 2.09 ug/L

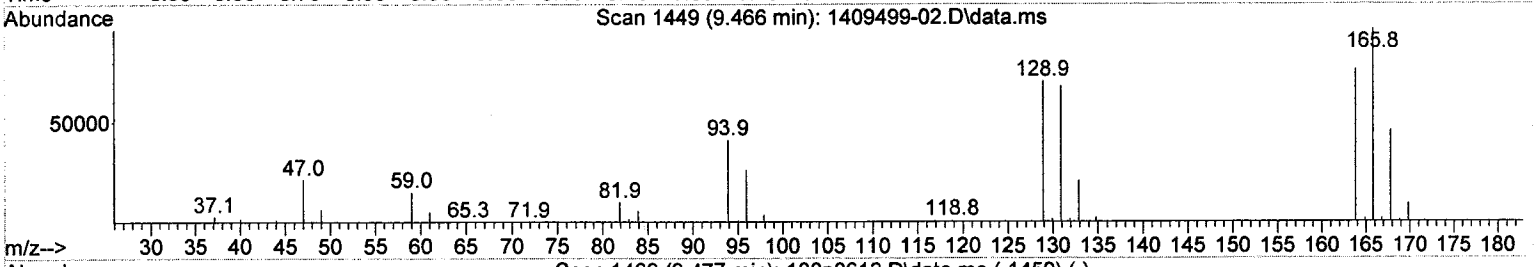
response 35732

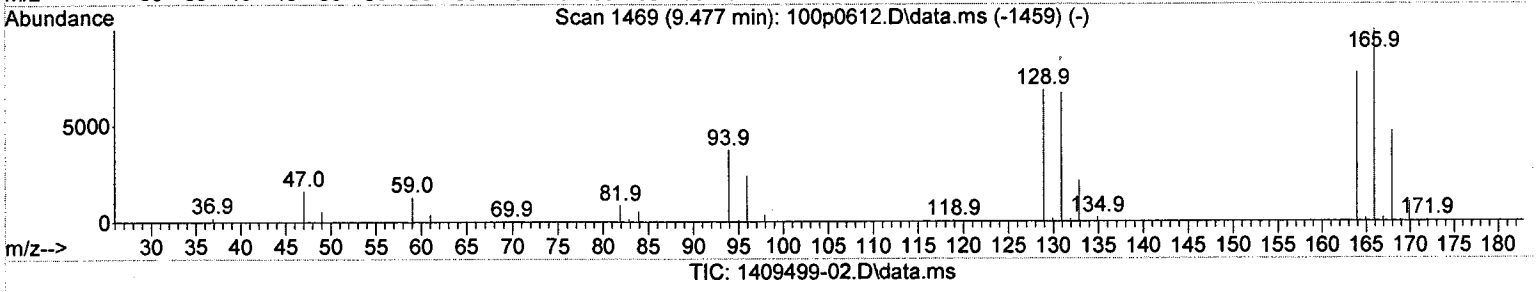
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	59.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-02.D\data.ms

(51) tetrachloroethene

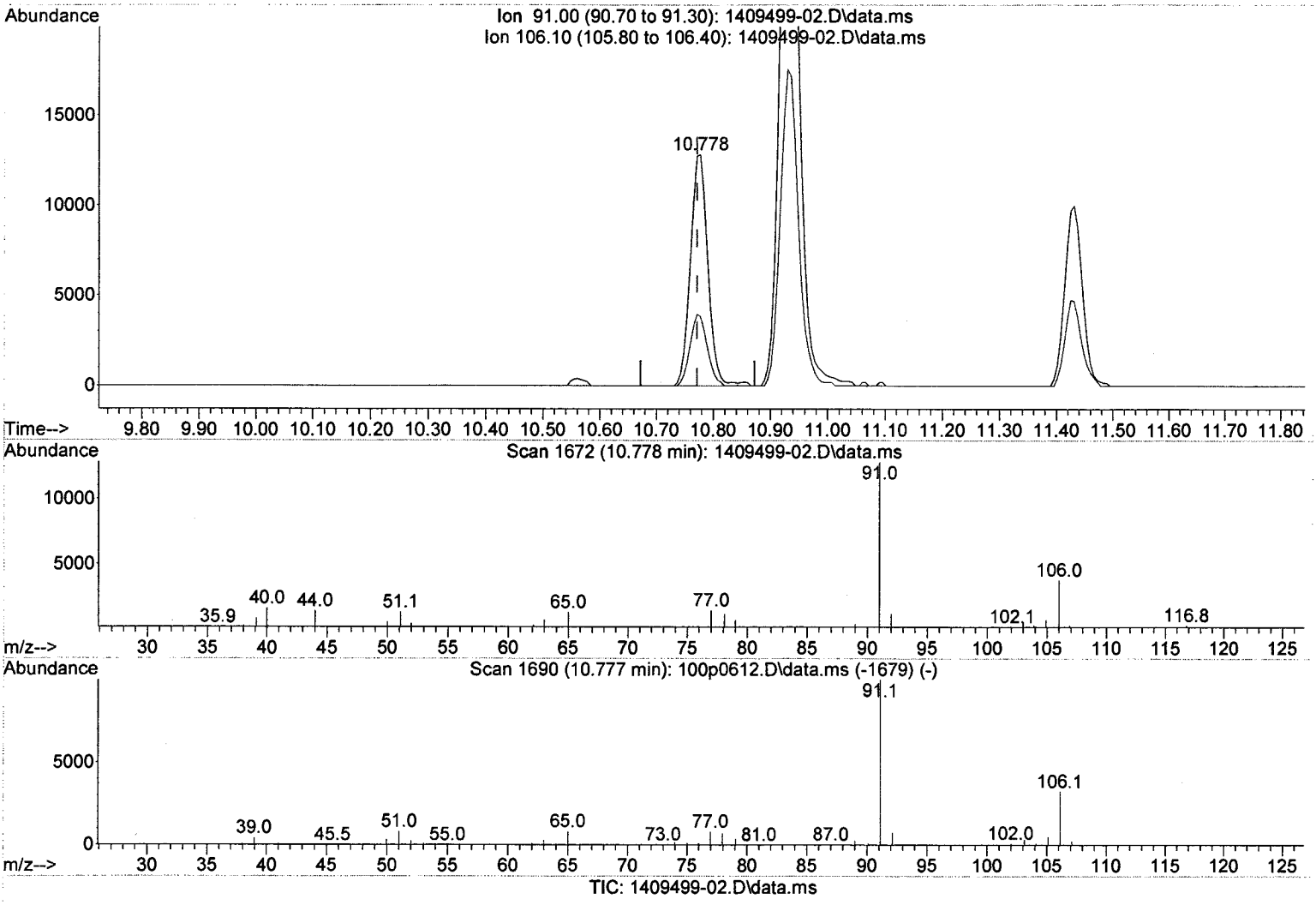
9.466min (-0.000) 46.13 ug/L

response 202372

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	79.21
128.90	74.10	71.91
130.90	70.00	69.89

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-02.D\data.ms

(59) ethylbenzene (C)

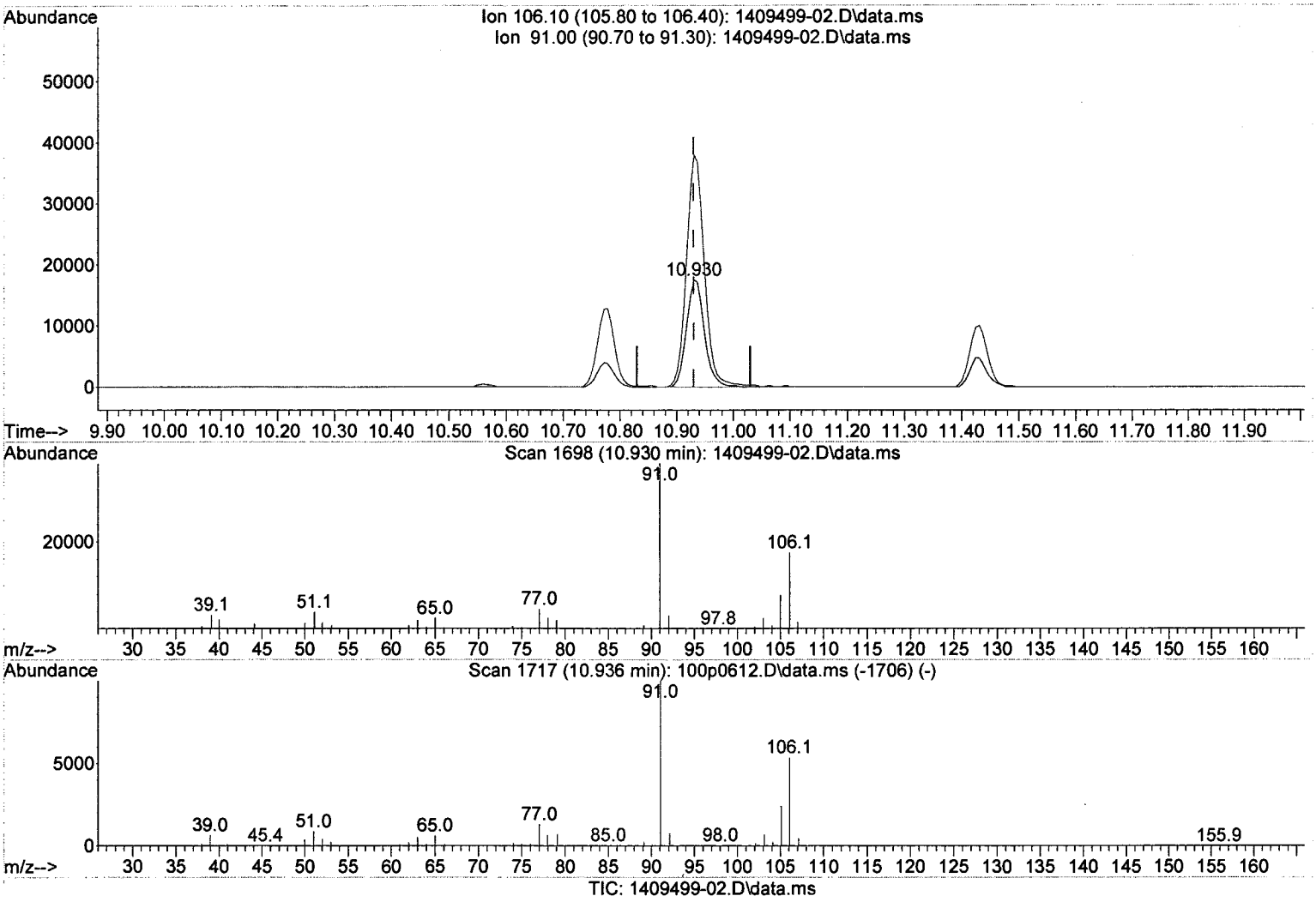
10.778min (+ 0.006) 1.49 ug/L

response 26893

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	30.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-02.D\data.ms

(60) m+p-xylene

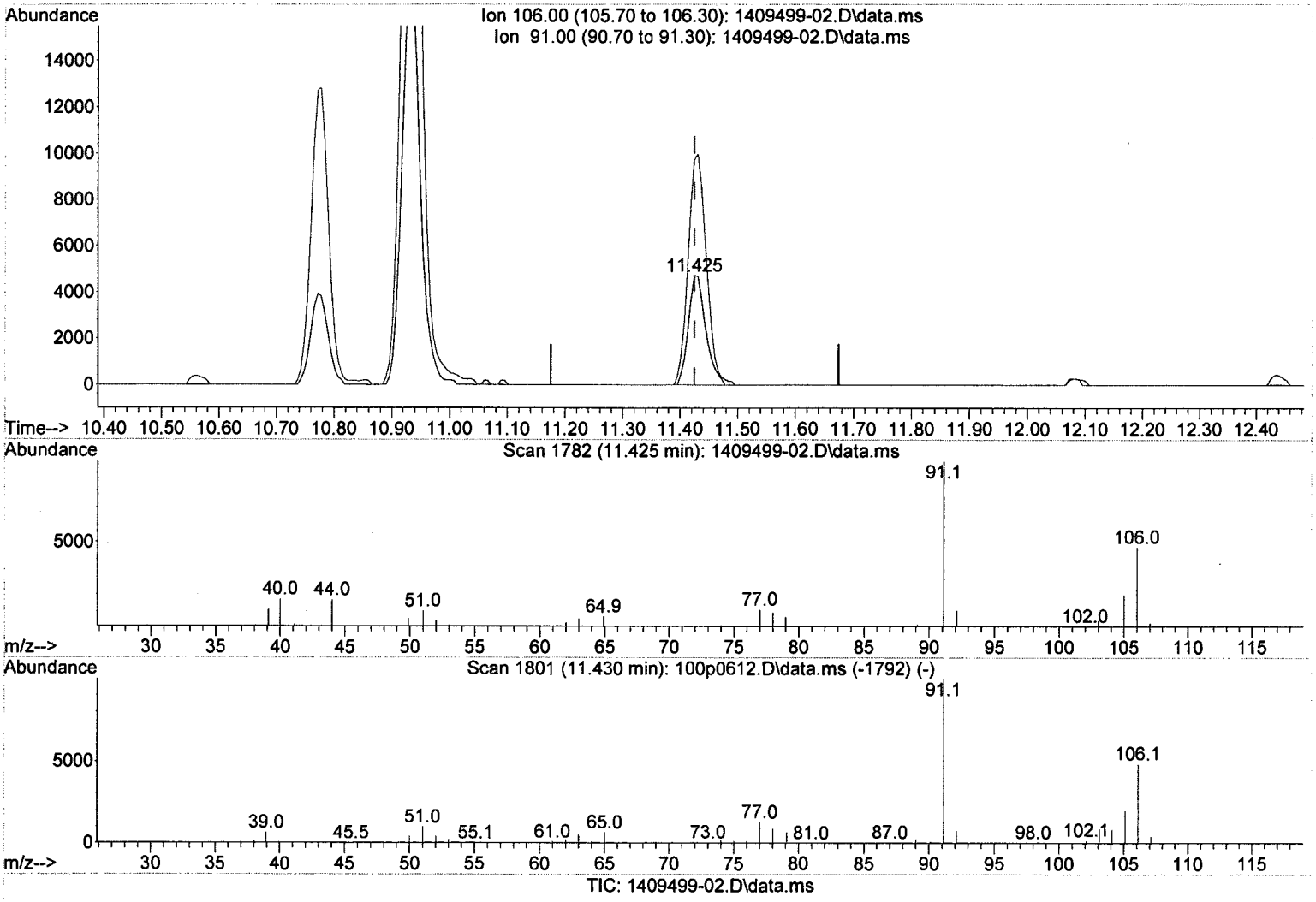
10.930min (+ 0.000) 5.76 ug/L

response 38279

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	216.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-02.D
Acq On : 09 Oct 2014 10:16
Operator : DLV
Sample : 1409499-02
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 09 10:37:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-02.D\data.ms

(61) o-xylene

11.425min (-0.000) 1.55 ug/L

response 9732

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	222.73
0.00	0.00	0.00
0.00	0.00	0.00

000970

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB31-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-03 File ID: 1409499-03.D

Sampled: 09/26/14 12:05 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 10:39

Solids: 96.24 Preparation: 5035A Low Concentratio Initial/Final: 5.1 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	67	4.4	5.2	5.2	
71-43-2	Benzene	1	0.20	0.17	0.52	1.0	J
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.59	0.24	0.52	1.0	J
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.16	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.26	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.097	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.24	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.24	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.13	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB31-08

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-03
File ID: 1409499-03.D
Sampled: 09/26/14 12:05
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 10:39
Solids: 96.24
Preparation: 5035A Low Concentratio
Initial/Final: 5.1 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.5	0.19	0.52	1.0	
87-68-3	Hexachlorobutadiene	1	0.52	0.22	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	13	0.49	1.0	5.2	B
78-93-3	2-Butanone (MEK)	1	6.5	1.2	5.2	5.2	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	11	0.18	0.52	1.0	
108-88-3	Toluene	1	5.1	0.10	0.21	1.0	
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.52	0.12	0.52	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	5.7	0.15	0.42	2.1	
95-47-6	Xylene, Ortho	1	1.5	0.12	0.21	1.0	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.6	104	78 - 119	
1,2-Dichloroethane-d4	40.0	45.1	113	71 - 136	
Toluene-d8	40.0	38.5	96	85 - 116	
4-Bromofluorobenzene	40.0	38.8	97	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	449653	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB31-08

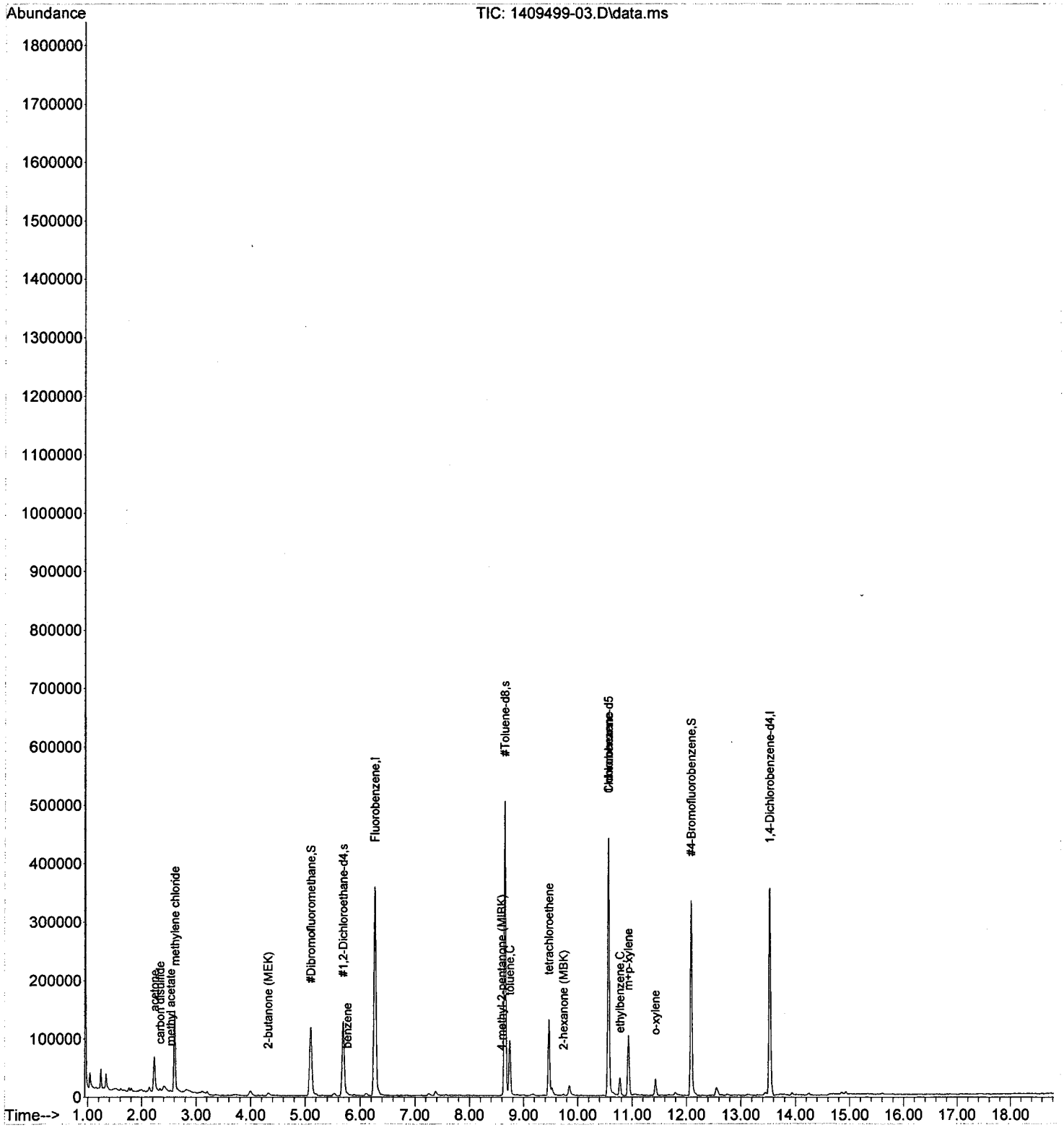
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-03
File ID: 1409499-03.D
Sampled: 09/26/14 12:05
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 10:39
Solids: 96.24
Preparation: 5035A Low Concentratio
Initial/Final: 5.1 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	304167	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	128730	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	449653	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	304167	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	128730	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	116063	41.58	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.95%				
37) #1,2-Dichloroethane-d4	5.690	67	73903	45.09	ug/L		0.00
Spiked Amount 40.000			Recovery = 112.73%				
46) #Toluene-d8	8.654	98	418581	38.50	ug/L		0.00
Spiked Amount 40.000			Recovery = 96.25%				
64) #4-Bromofluorobenzene	12.083	95	146222	38.85	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.13%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	84136	✓ 66.01	ug/L		99
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	5222	✓ 0.58	ug/L	#	75
16) methyl acetate	2.531	43	1673	0.54	ug/L	#	60
17) methylene chloride	2.607	49	84789	✓ 12.36	ug/L		99
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.319	43	11217	✓ 6.35	ug/L		86
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.766	78	3095	✓ 0.20	ug/L	#	63
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

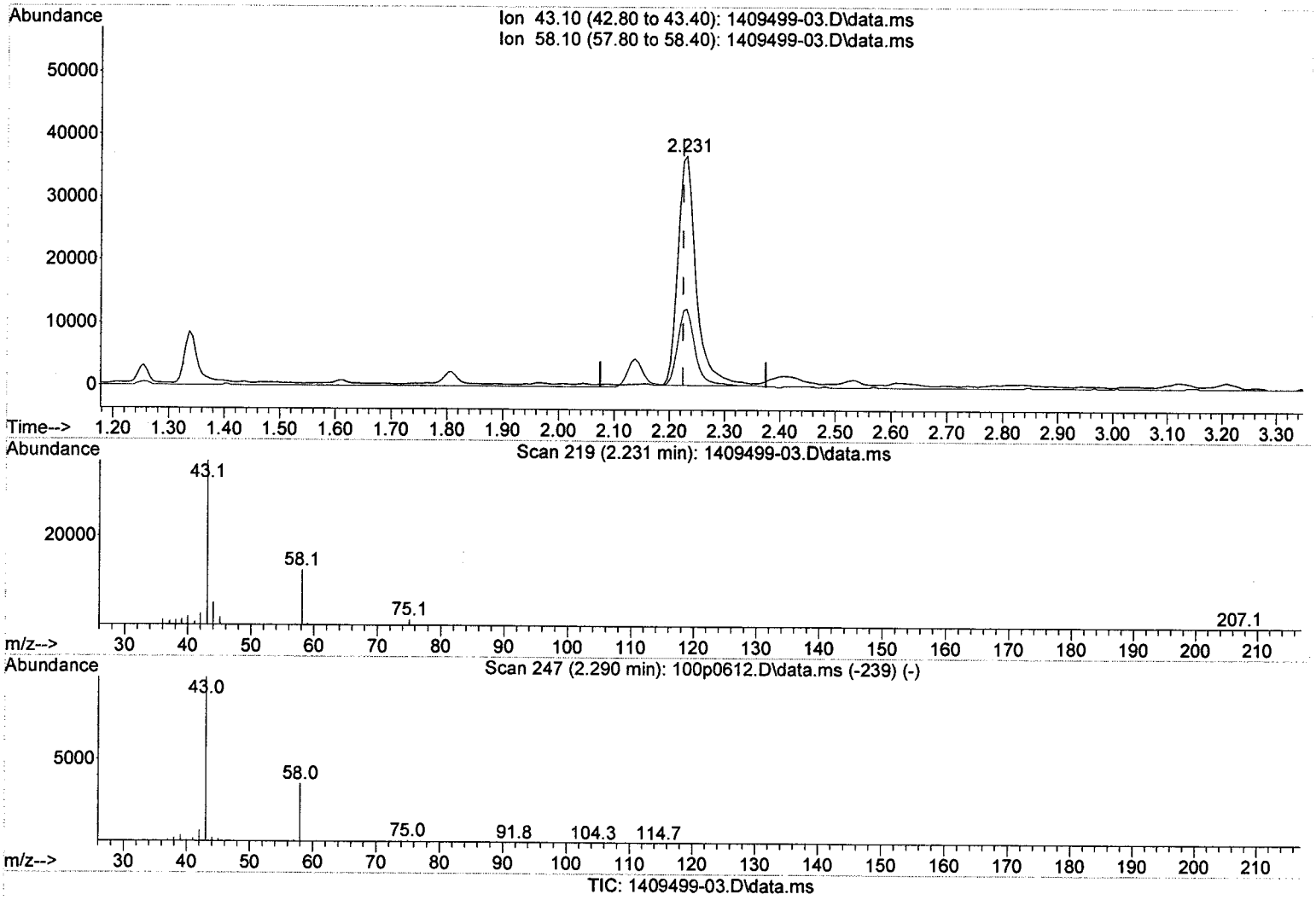
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	8.595	43	1658	~~0.48~~	ug/L	#	49
47)	toluene	8.742	91	84613	5.02	ug/L		100
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	9.466	166	46461	10.45	ug/L		98
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	9.736	43	2305	~~0.95~~	ug/L	#	76
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.566	55	2568	0.62	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.772	91	26708	1.46	ug/L		99
60)	m+p-xylene	10.930	106	37807	5.61	ug/L		100
61)	o-xylene	11.425	106	9481	1.49	ug/L		95
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	0.000		0	N.D.			
77)	sec-butylbenzene	0.000		0	N.D.			
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-03.D\data.ms

(13) acetone

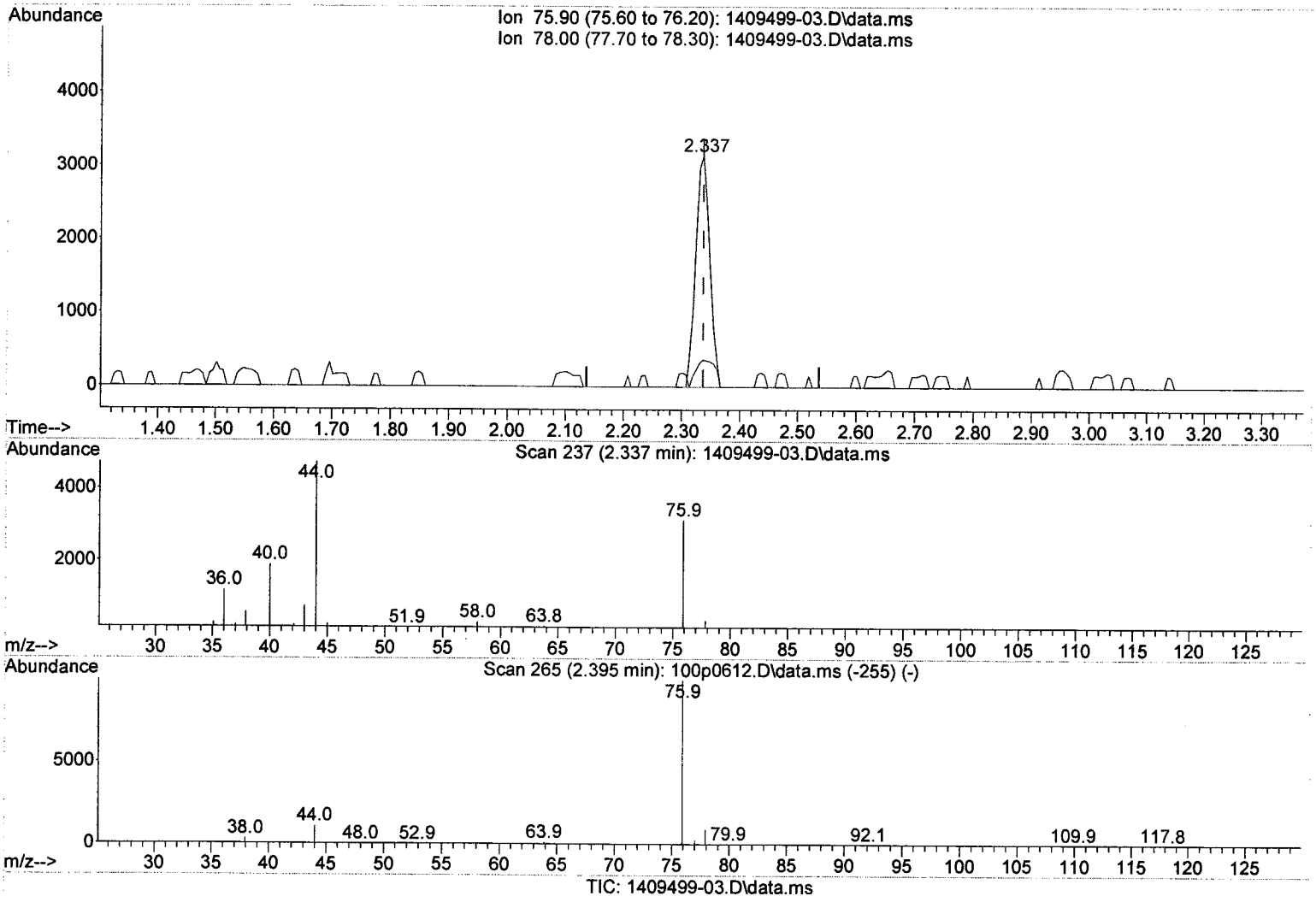
2.231min (+ 0.006) 66.01 ug/L

response 84136

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	31.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-03.D\data.ms

(15) carbon disulfide

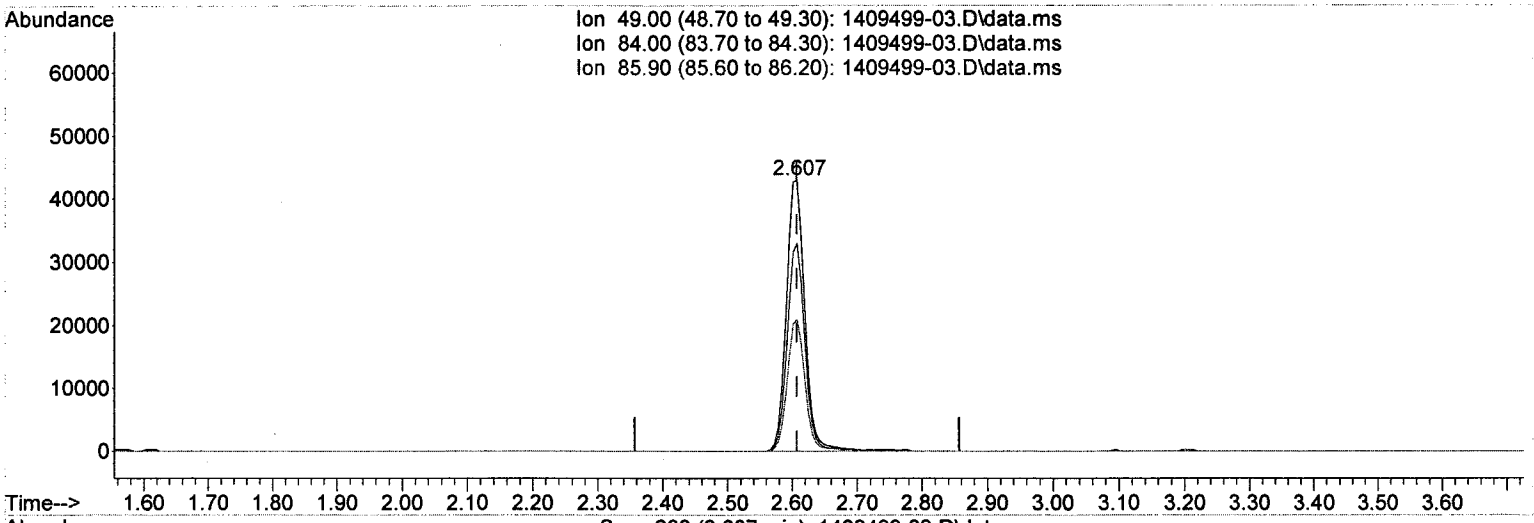
2.337min (-0.000) 0.58 ug/L

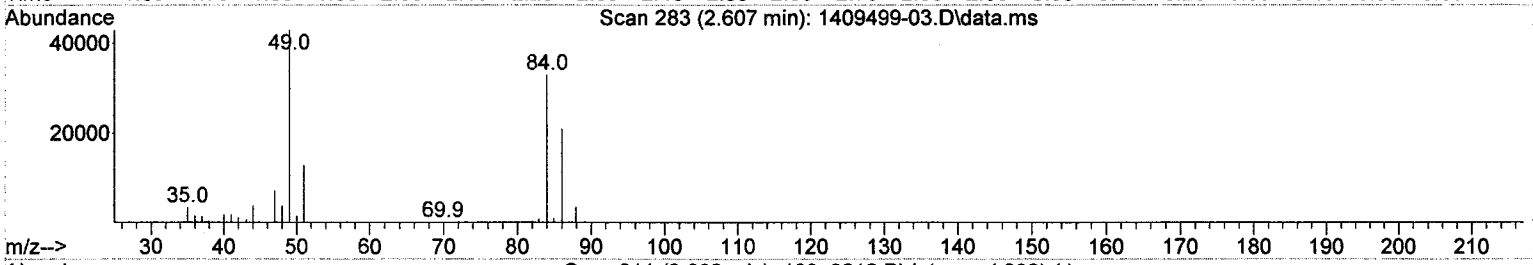
response 5222

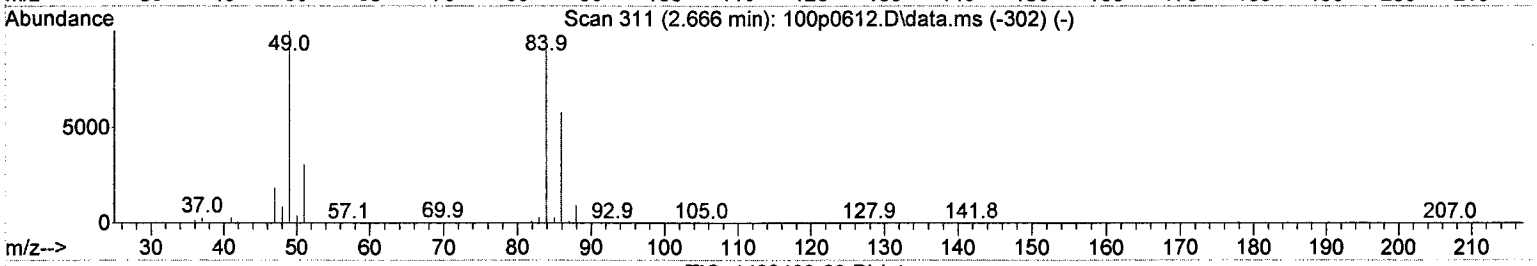
Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-03.D\data.ms

(17) methylene chloride

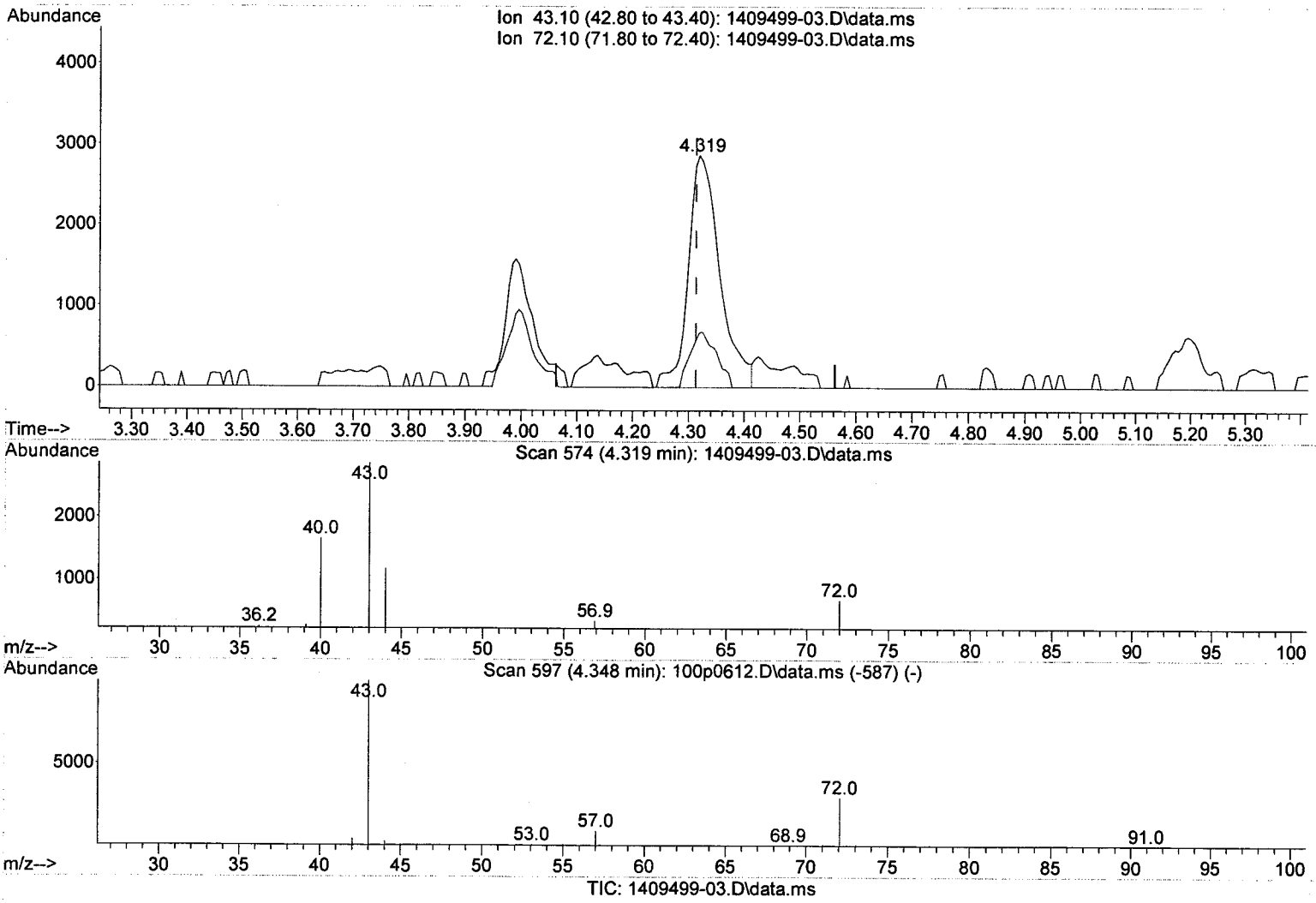
2.607min (+ 0.000) 12.36 ug/L

response 84789

Ion	Exp%	Act%
49.00	100.00	100.00
84.00	74.80	73.88
85.90	48.00	46.92
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-03.D\data.ms

(25) 2-butanone (MEK)

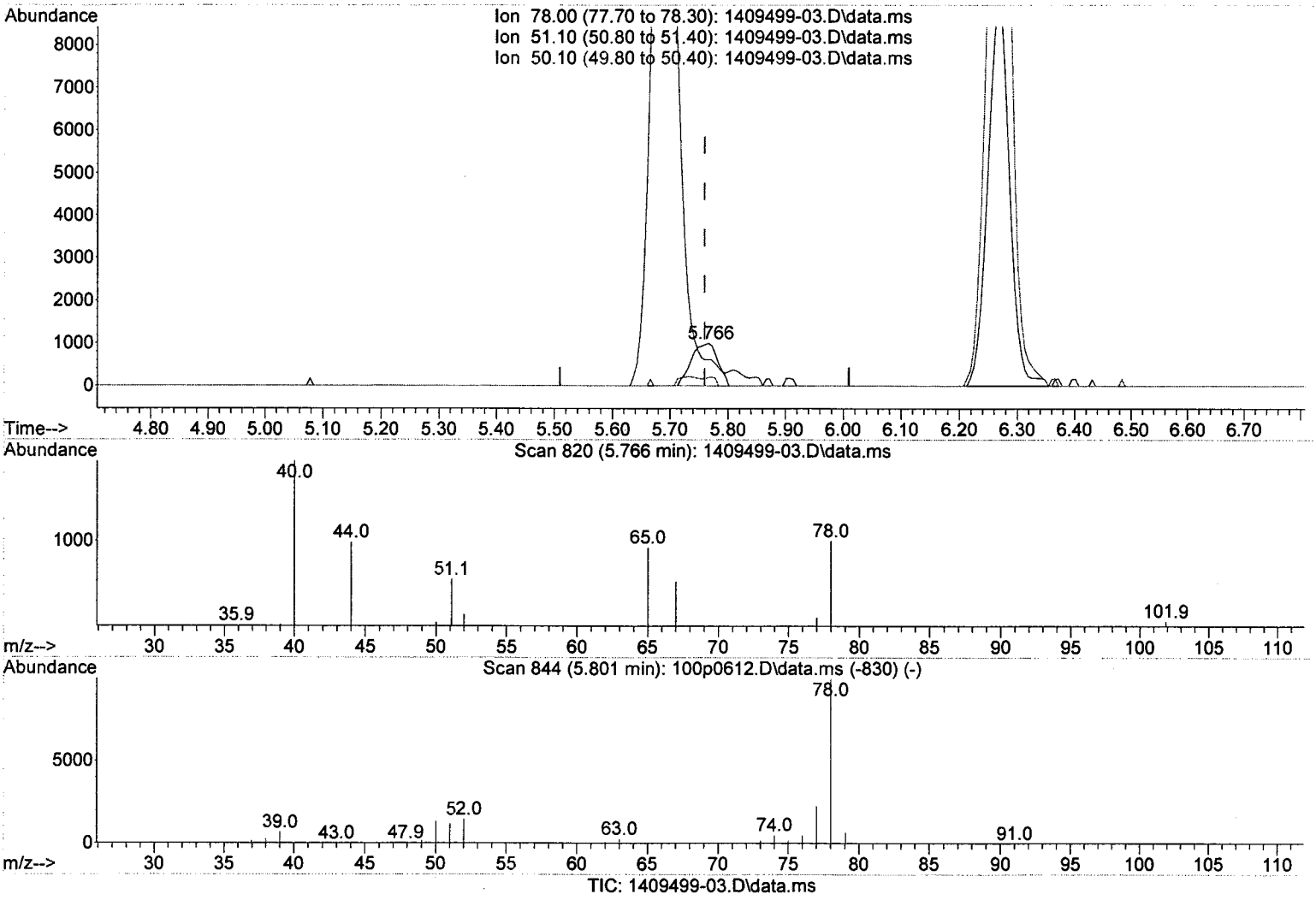
4.319min (+ 0.006) 6.35 ug/L

response 11217

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	19.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-03.D\data.ms

(34) benzene

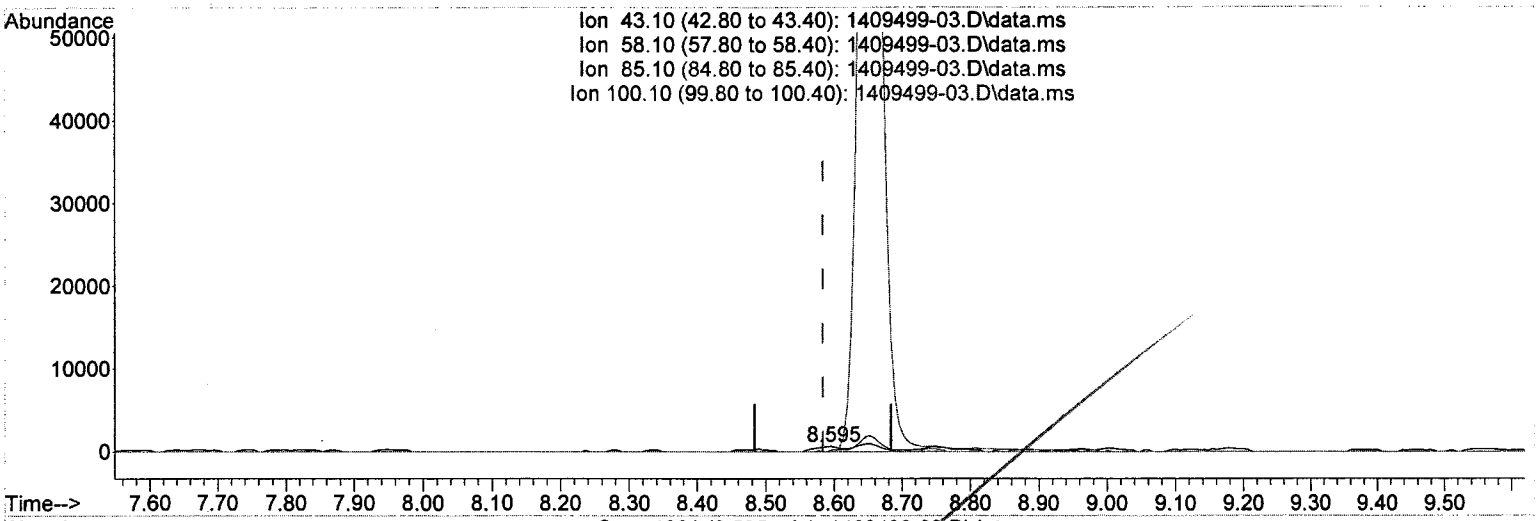
5.766min (+ 0.006) 0.20 ug/L

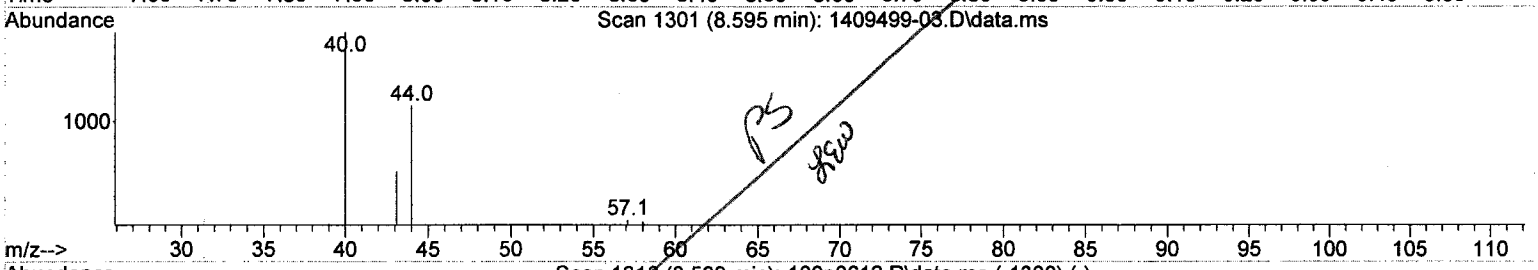
response 3095

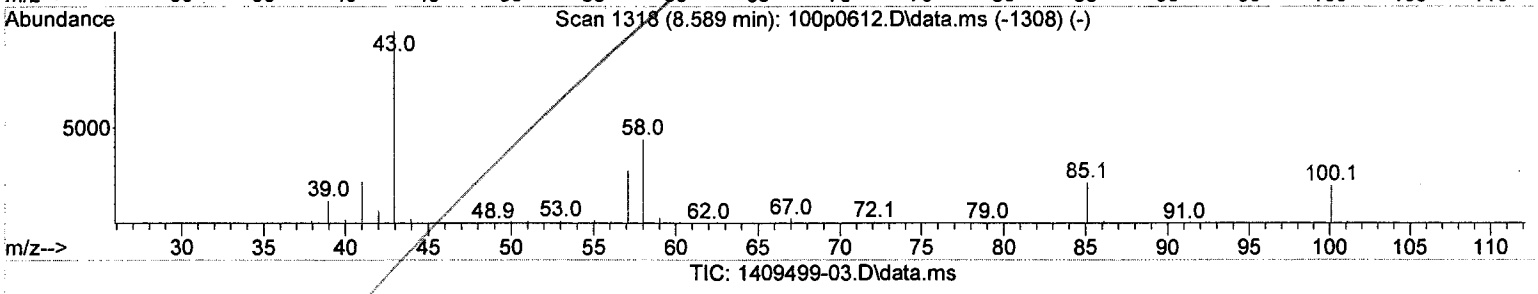
Ion	Exp%	Act%
78.00	100.00	100.00
51.10	16.50	0.00
50.10	15.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-03.D\data.ms

(45) 4-methyl-2-pentanone (MIBK)

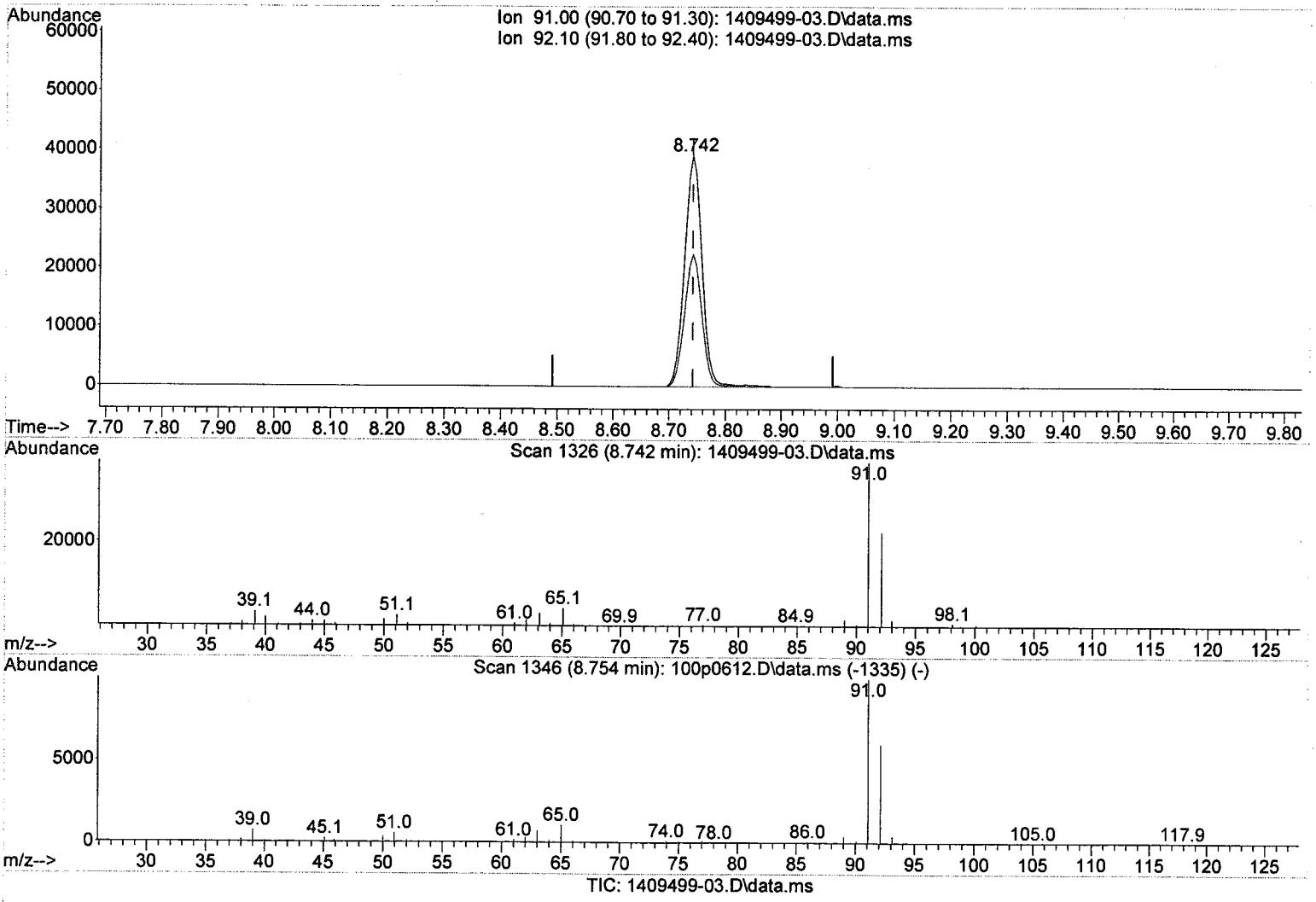
8.595min (+ 0.011) 0.48 ug/L

response 1658

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	38.10	0.00#
85.10	16.30	0.00
100.10	11.90	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-03.D\data.ms

(47) toluene (C)

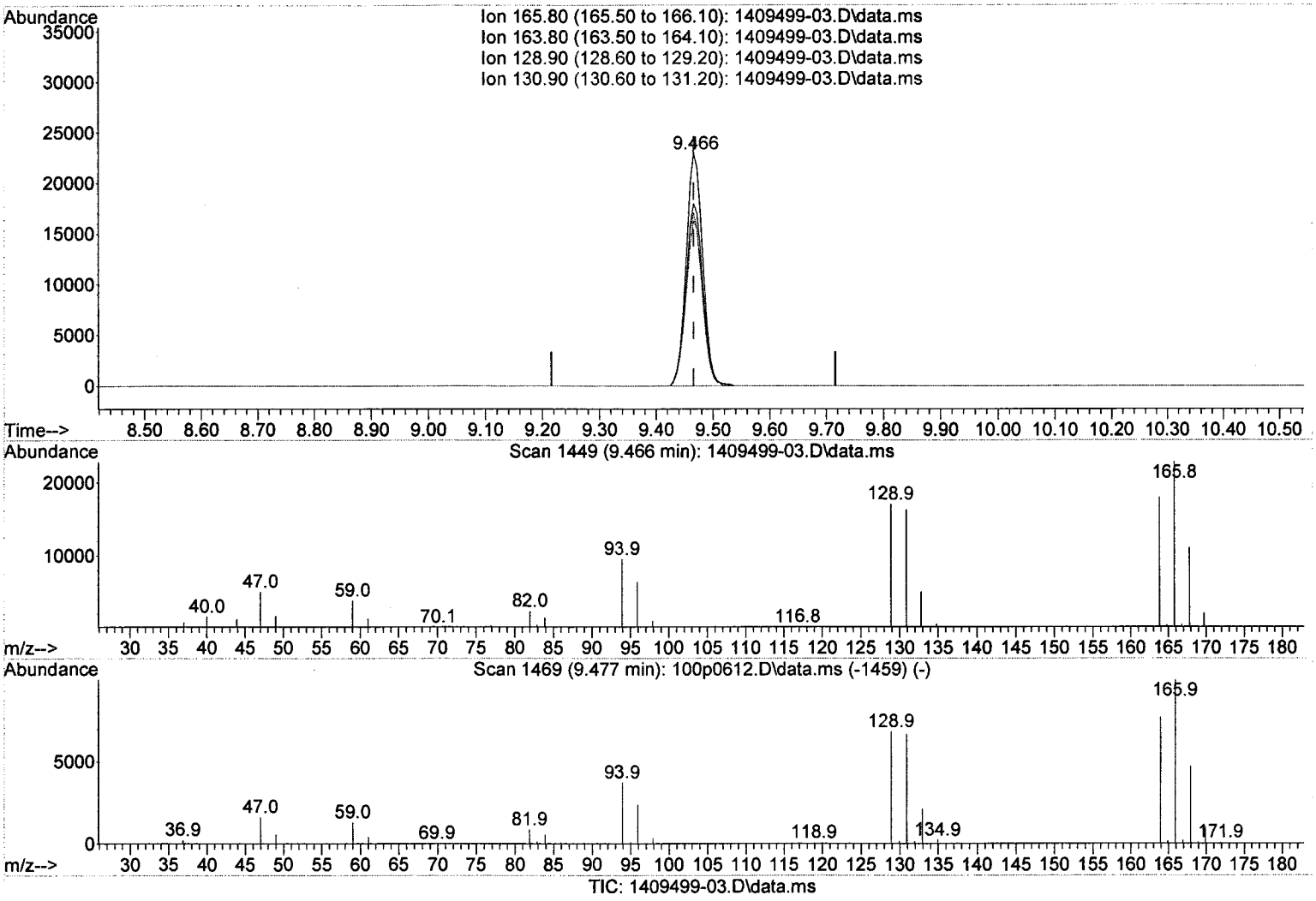
8.742min (+ 0.000) 5.02 ug/L

response 84613

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	57.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-03.D\data.ms

(51) tetrachloroethene

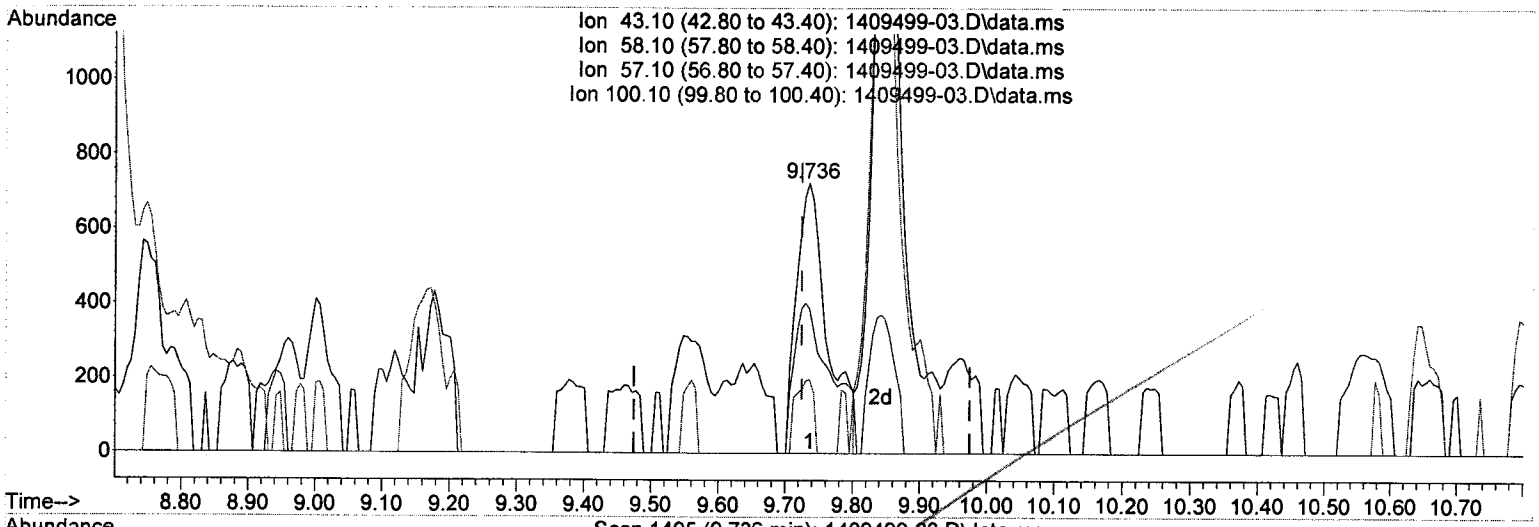
9.466min (-0.000) 10.45 ug/L

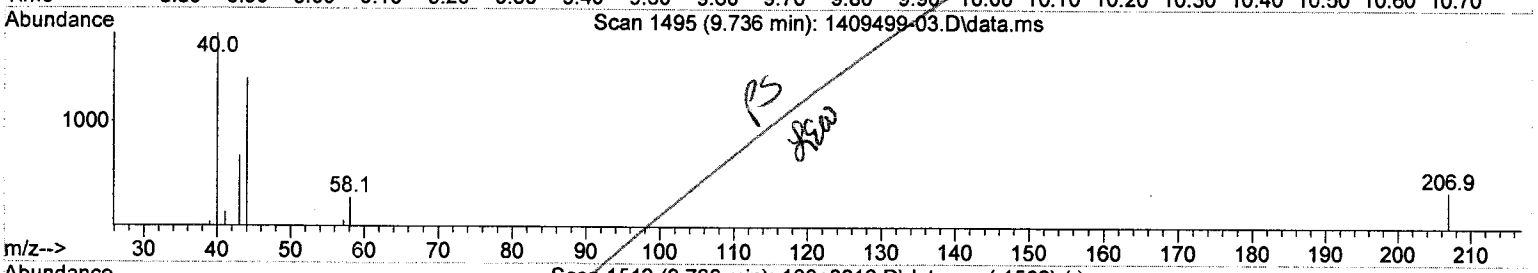
response 46461

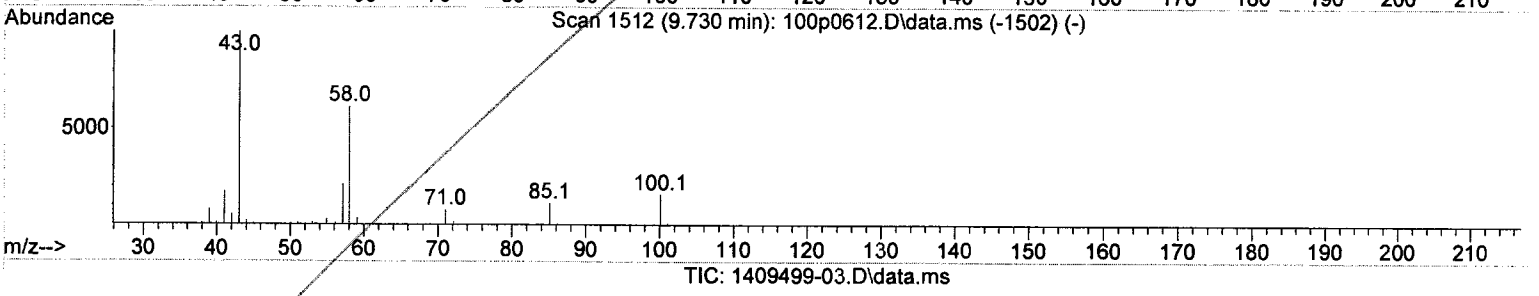
Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	80.14
128.90	74.10	73.32
130.90	70.00	72.05

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-03.D\data.ms

(53) 2-hexanone (MBK)

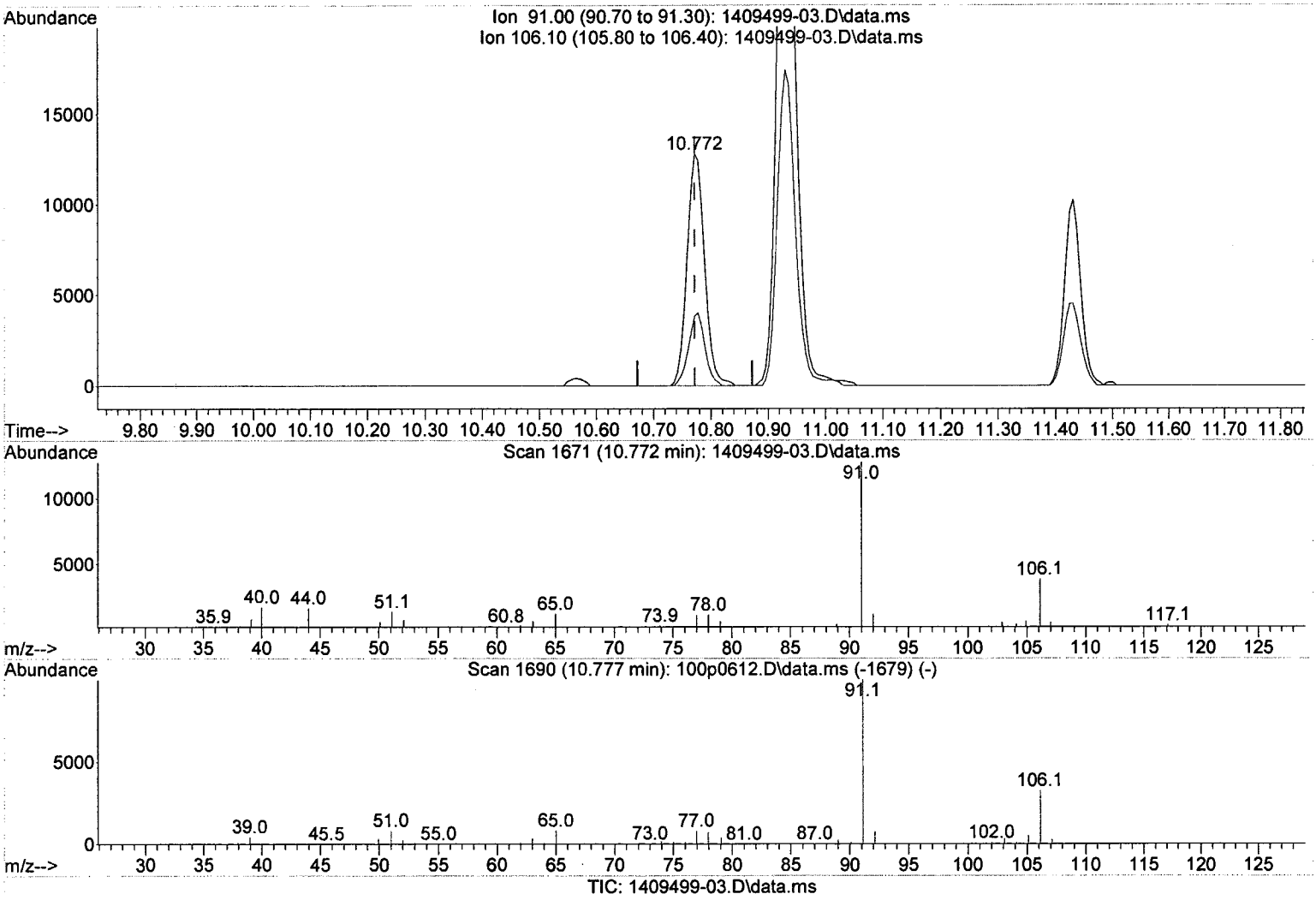
9.736min (+ 0.011) 0.95 ug/L

response 2305

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	53.40	66.20
57.10	17.80	0.00
100.10	10.30	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-03.D\data.ms

(59) ethylbenzene (C)

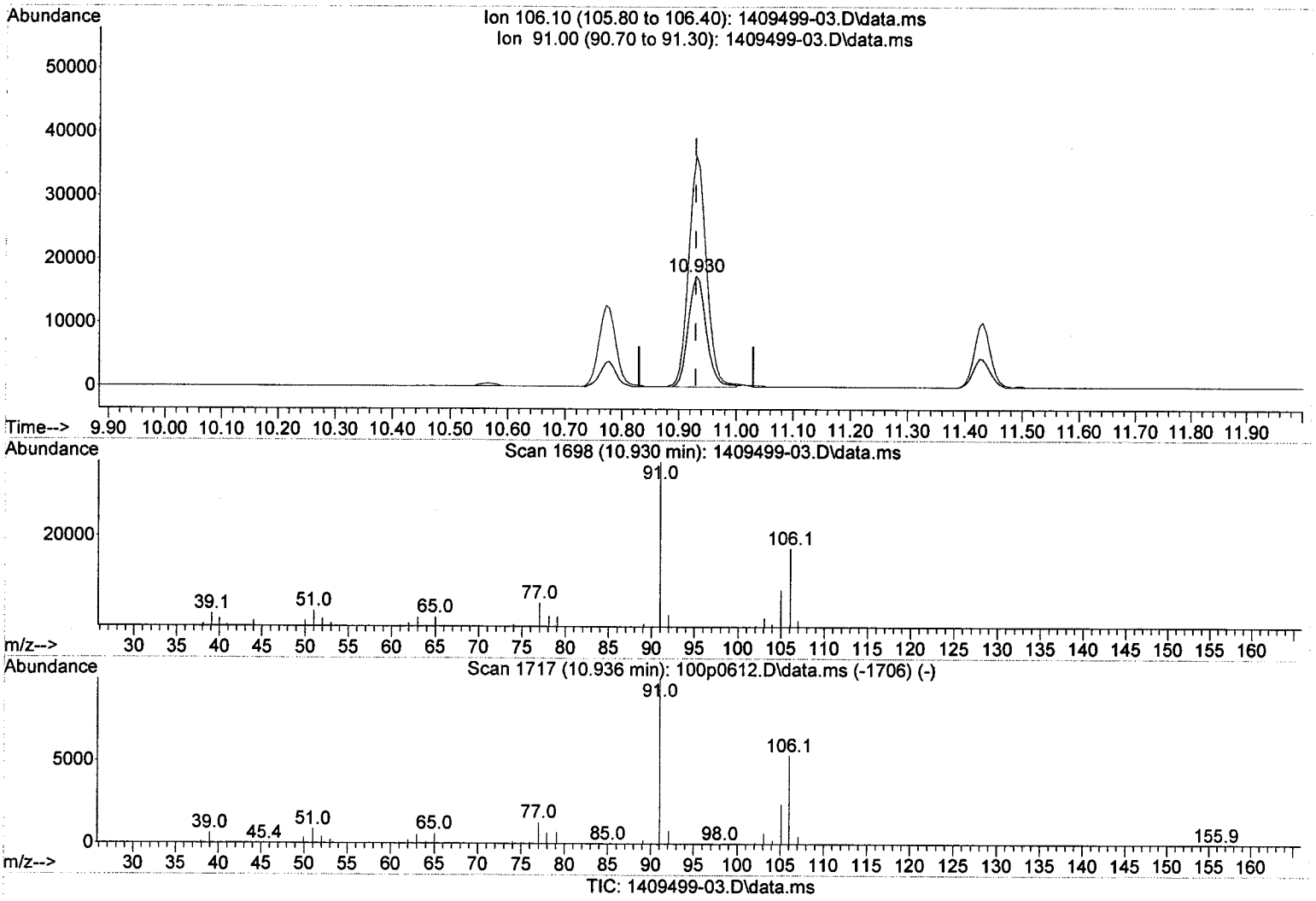
10.772min (-0.000) 1.46 ug/L

response 26708

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	29.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-03.D\data.ms

(60) m+p-xylene

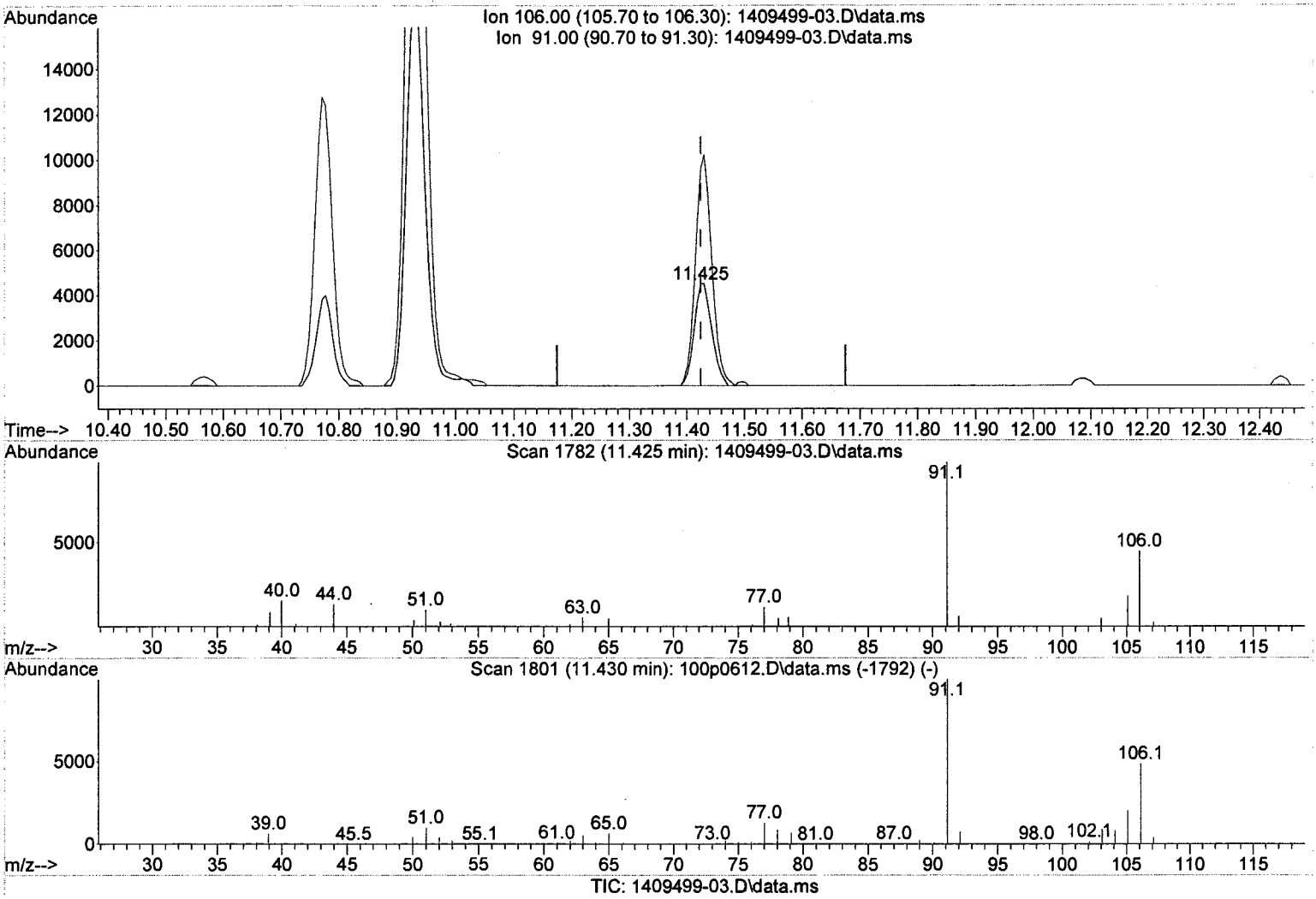
10.930min (+ 0.000) 5.61 ug/L

response 37807

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	207.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-03.D
Acq On : 09 Oct 2014 10:39
Operator : DLV
Sample : 1409499-03
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 09 11:13:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-03.D\data.ms

(61) o-xylene

11.425min (-0.000) 1.49 ug/L

response 9481

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	211.59
0.00	0.00	0.00
0.00	0.00	0.00

000988

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB32-17

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-04 File ID: 1409499-04.D

Sampled: 09/26/14 12:50 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 11:03

Solids: 96.60 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	23	4.6	5.5	5.5	
71-43-2	Benzene	1	0.55	0.18	0.55	1.1	U
108-86-1	Bromobenzene	1	0.55	0.15	0.55	1.1	U
74-97-5	Bromochloromethane	1	0.55	0.16	0.55	1.1	U
75-27-4	Bromodichloromethane	1	0.55	0.19	0.55	1.1	U
75-25-2	Bromoform	1	0.55	0.39	0.55	1.1	U
74-83-9	Bromomethane	1	0.55	0.36	0.55	1.1	U
104-51-8	n-Butylbenzene	1	0.55	0.29	0.55	1.1	U
135-98-8	sec-Butylbenzene	1	0.55	0.23	0.55	1.1	U
98-06-6	tert-Butylbenzene	1	0.55	0.18	0.55	1.1	U
75-15-0	Carbon Disulfide	1	1.1	0.25	0.55	1.1	
56-23-5	Carbon Tetrachloride	1	0.55	0.36	0.55	1.1	U
108-90-7	Chlorobenzene	1	0.55	0.17	0.55	1.1	U
75-00-3	Chloroethane	1	1.1	0.55	1.1	1.1	U
67-66-3	Chloroform	1	0.55	0.16	0.55	1.1	U
74-87-3	Chloromethane	1	0.55	0.28	0.55	1.1	U
95-49-8	2-Chlorotoluene	1	0.55	0.32	0.55	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.65	1.1	5.5	U
124-48-1	Dibromochloromethane	1	0.55	0.20	0.55	1.1	U
106-93-4	1,2-Dibromoethane	1	0.55	0.17	0.55	1.1	U
74-95-3	Dibromomethane	1	0.55	0.25	0.55	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.55	0.16	0.55	1.1	U
75-34-3	1,1-Dichloroethane	1	0.55	0.23	0.55	1.1	U
107-06-2	1,2-Dichloroethane	1	0.55	0.25	0.55	1.1	U
75-35-4	1,1-Dichloroethene	1	0.55	0.34	0.55	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.55	0.25	0.55	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.55	0.30	0.55	1.1	U
78-87-5	1,2-Dichloropropane	1	0.55	0.19	0.55	1.1	U
142-28-9	1,3-Dichloropropane	1	0.55	0.16	0.55	1.1	U
594-20-7	2,2-Dichloropropane	1	0.55	0.25	0.55	1.1	U
563-58-6	1,1-Dichloropropene	1	0.55	0.31	0.55	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.12	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.55	0.13	0.55	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB32-17

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-04 File ID: 1409499-04.D

Sampled: 09/26/14 12:50 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 11:03

Solids: 96.60 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.0	0.20	0.55	1.1	J
87-68-3	Hexachlorobutadiene	1	0.55	0.23	0.55	1.1	U
591-78-6	2-Hexanone	1	0.55	0.53	0.55	5.5	U
98-82-8	Isopropylbenzene	1	0.22	0.12	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.55	0.26	0.55	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.52	1.1	5.5	U
78-93-3	2-Butanone (MEK)	1	5.5	1.2	5.5	5.5	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.55	0.43	0.55	5.5	U
91-20-3	Naphthalene	1	0.55	0.18	0.55	5.5	U
103-65-1	n-Propylbenzene	1	0.55	0.13	0.55	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
127-18-4	Tetrachloroethene	1	1.1	0.19	0.55	1.1	
108-88-3	Toluene	1	1.6	0.11	0.22	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.55	0.31	0.55	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.55	0.19	0.55	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.55	0.16	0.55	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.55	0.24	0.55	1.1	U
79-01-6	Trichloroethene	1	0.55	0.27	0.55	1.1	U
75-69-4	Trichlorofluoromethane	1	0.55	0.19	0.55	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.55	0.25	0.55	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.55	0.13	0.55	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.55	0.21	0.55	1.1	U
75-01-4	Vinyl Chloride	1	0.55	0.22	0.55	1.1	U
179601-23-1	Xylene, Meta + Para	1	4.0	0.16	0.44	2.2	
95-47-6	Xylene, Ortho	1	1.2	0.12	0.22	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.0	105	78 - 119	
1,2-Dichloroethane-d4	40.0	42.5	106	71 - 136	
Toluene-d8	40.0	38.5	96	85 - 116	
4-Bromofluorobenzene	40.0	40.2	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	464412	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB32-17

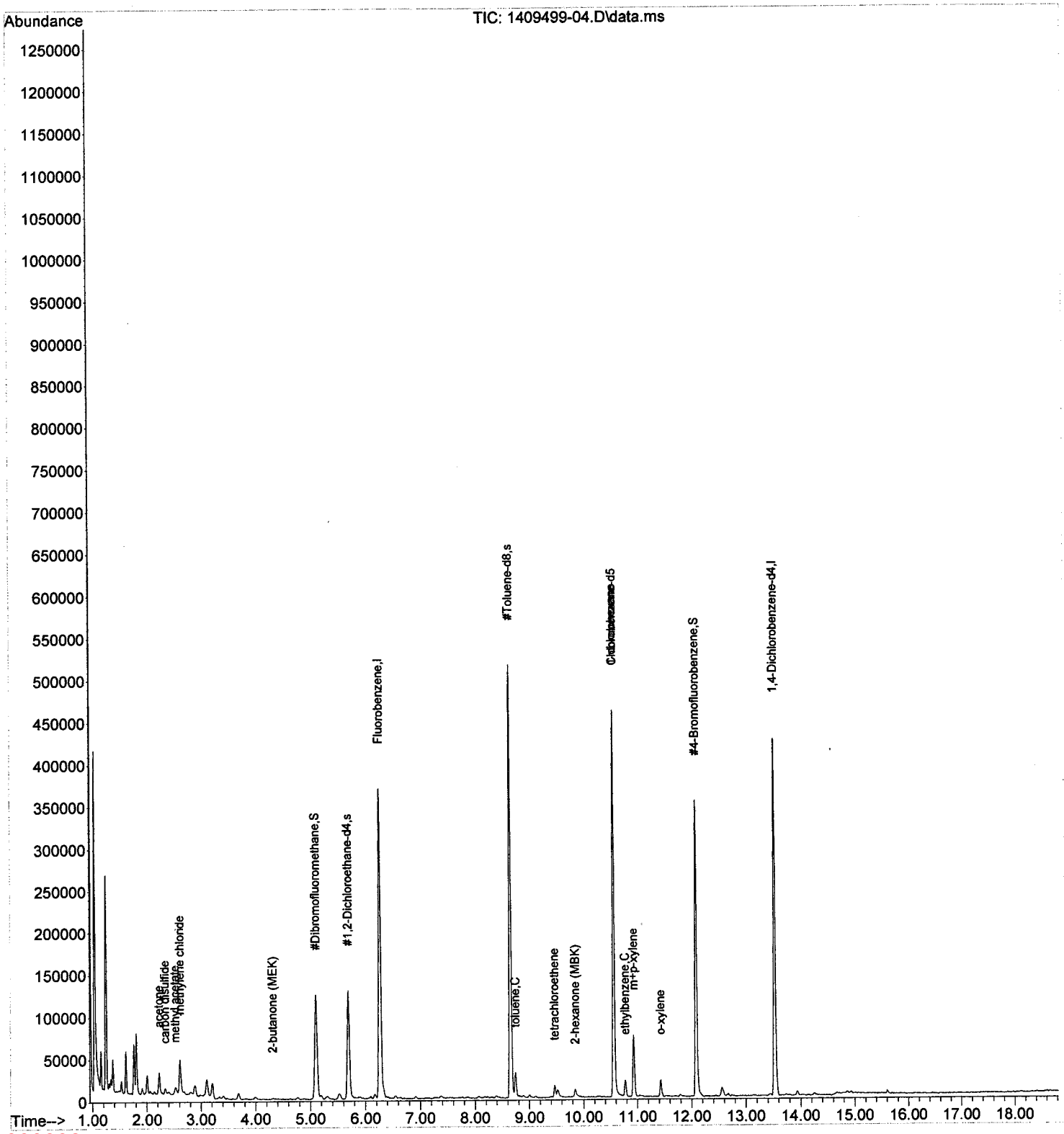
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-04
File ID: 1409499-04.D
Sampled: 09/26/14 12:50
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 11:03
Solids: 96.60
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	319156	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	153505	13.524	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-04.D
Acq On : 09 Oct 2014 11:03
Operator : DLV
Sample : 1409499-04
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 09 11:23:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-04.D
Acq On : 09 Oct 2014 11:03
Operator : DLV
Sample : 1409499-04
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 09 11:23:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	464412	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	319156	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	153505	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.101	111	120937	41.95	ug/L		0.00
Spiked Amount 40.000			Recovery =	104.88%			
37) #1,2-Dichloroethane-d4	5.690	67	71913	42.48	ug/L		0.00
Spiked Amount 40.000			Recovery =	106.20%			
46) #Toluene-d8	8.654	98	432682	38.53	ug/L		0.00
Spiked Amount 40.000			Recovery =	96.33%			
64) #4-Bromofluorobenzene	12.083	95	158721	40.19	ug/L		0.00
Spiked Amount 40.000			Recovery =	100.48%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.225	43	32274	✓ 20.56	ug/L		92
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	9718	✓ 1.04	ug/L	#	75
16) methyl acetate	2.519	43	2379	0.74	ug/L	#	60
17) methylene chloride	2.607	49	22398	0.28	ug/L		95
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.313	43	4272	~~2.34~~	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

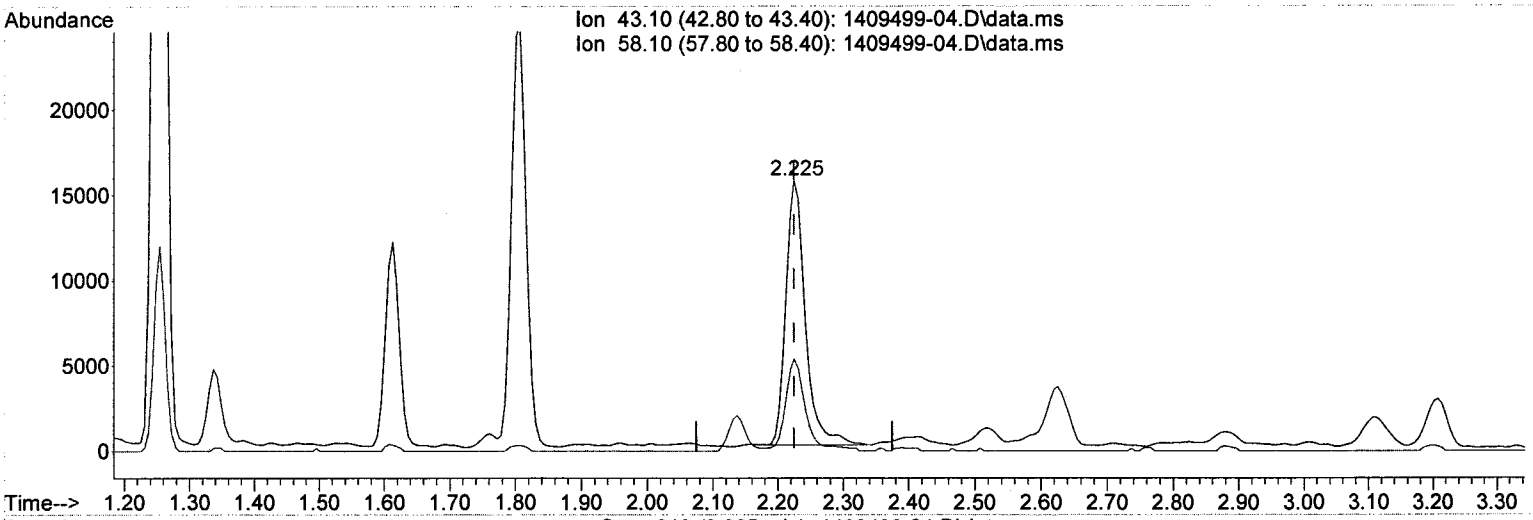
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-04.D
Acq On : 09 Oct 2014 11:03
Operator : DLV
Sample : 1409499-04
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 09 11:23:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

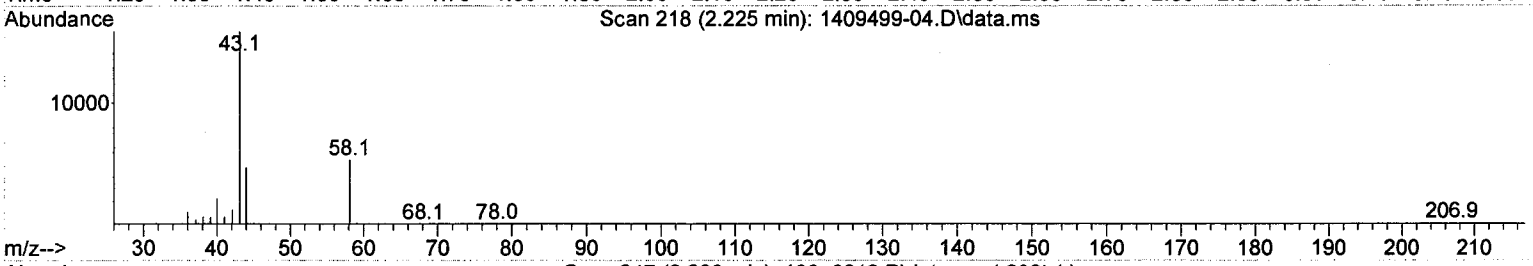
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	24695	1.42 ug/L	95
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	9.466	166	4826	1.03 ug/L	93
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.848	43	3180	~~1.24~~ ug/L #	11
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2715	0.63 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	17613	0.92 ug/L	98
60) m+p-xylene	10.930	106	25539	3.61 ug/L	99
61) o-xylene	11.430	106	7057	1.05 ug/L	94
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

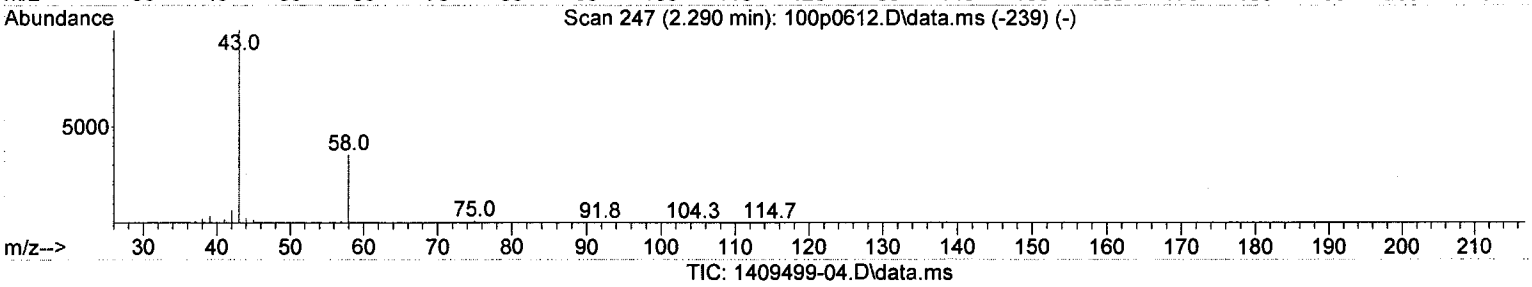
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-04.D
Acq On : 09 Oct 2014 11:03
Operator : DLV
Sample : 1409499-04
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 09 11:23:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-04.D\data.ms

(13) acetone

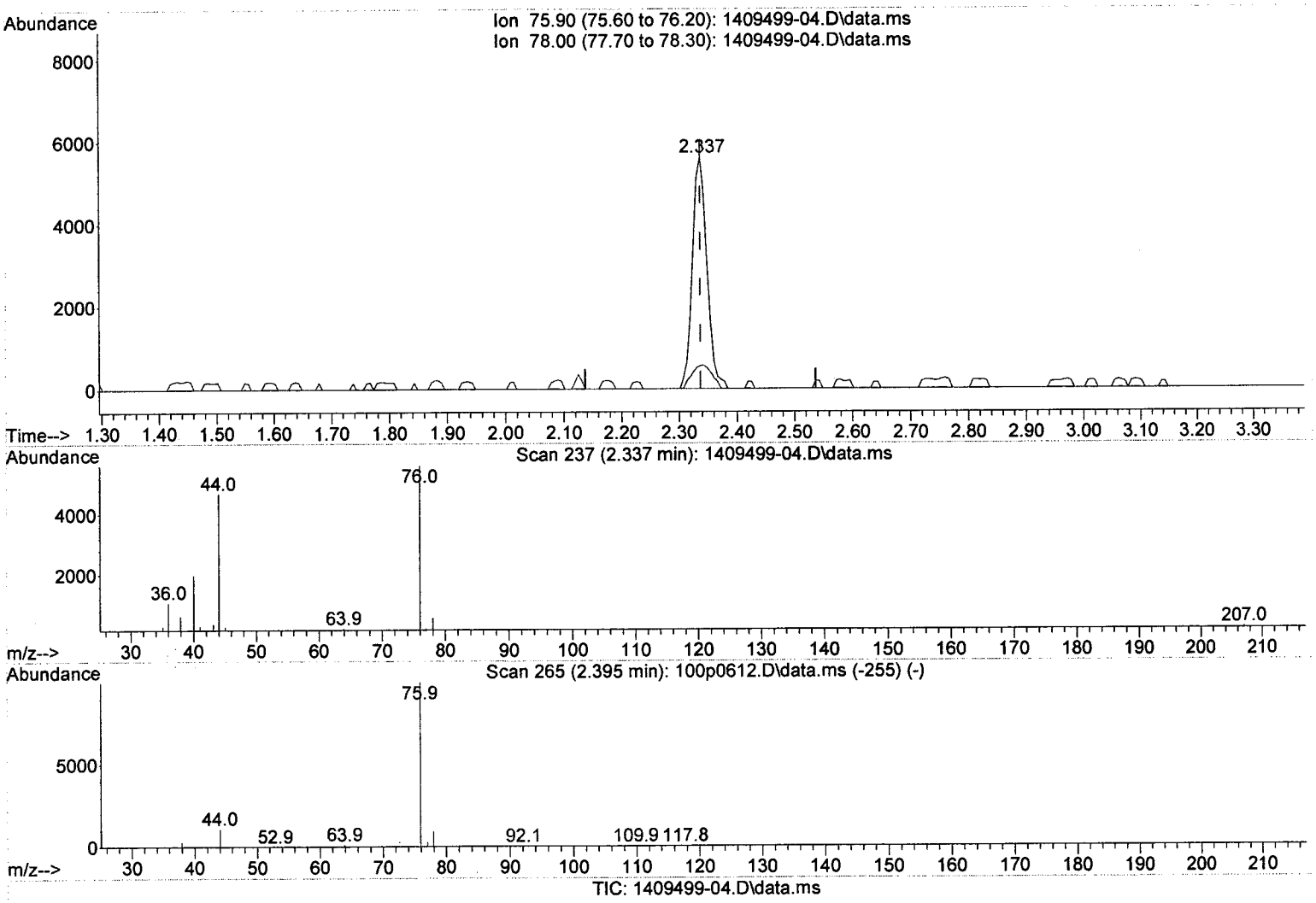
2.225min (+ 0.000) 20.56 ug/L

response 32274

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	35.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-04.D
Acq On : 09 Oct 2014 11:03
Operator : DLV
Sample : 1409499-04
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 09 11:23:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-04.D\data.ms

(15) carbon disulfide

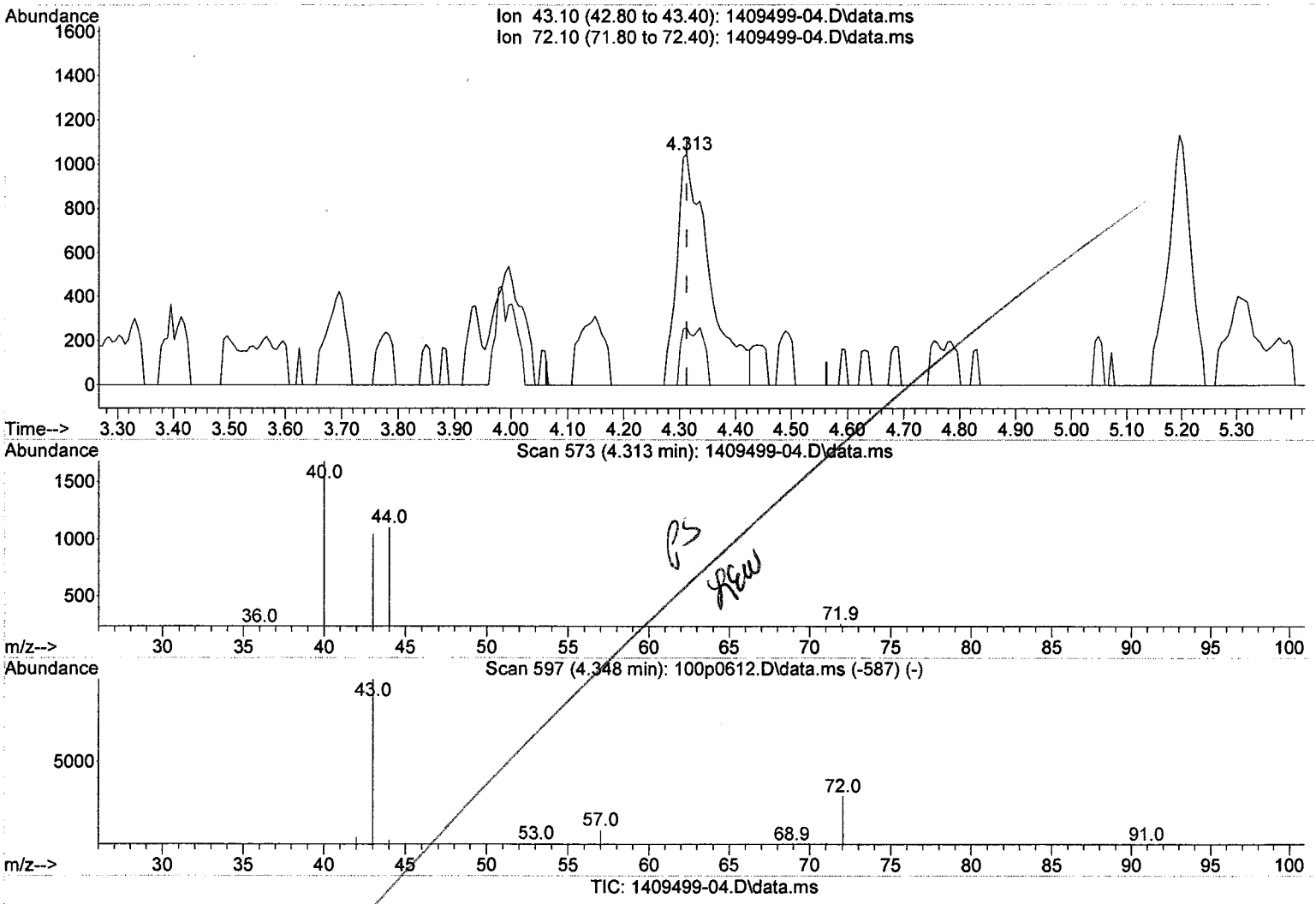
2.337min (-0.000) 1.04 ug/L

response 9718

Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-04.D
Acq On : 09 Oct 2014 11:03
Operator : DLV
Sample : 1409499-04
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 09 11:23:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-04.D\data.ms

(25) 2-butanone (MEK)

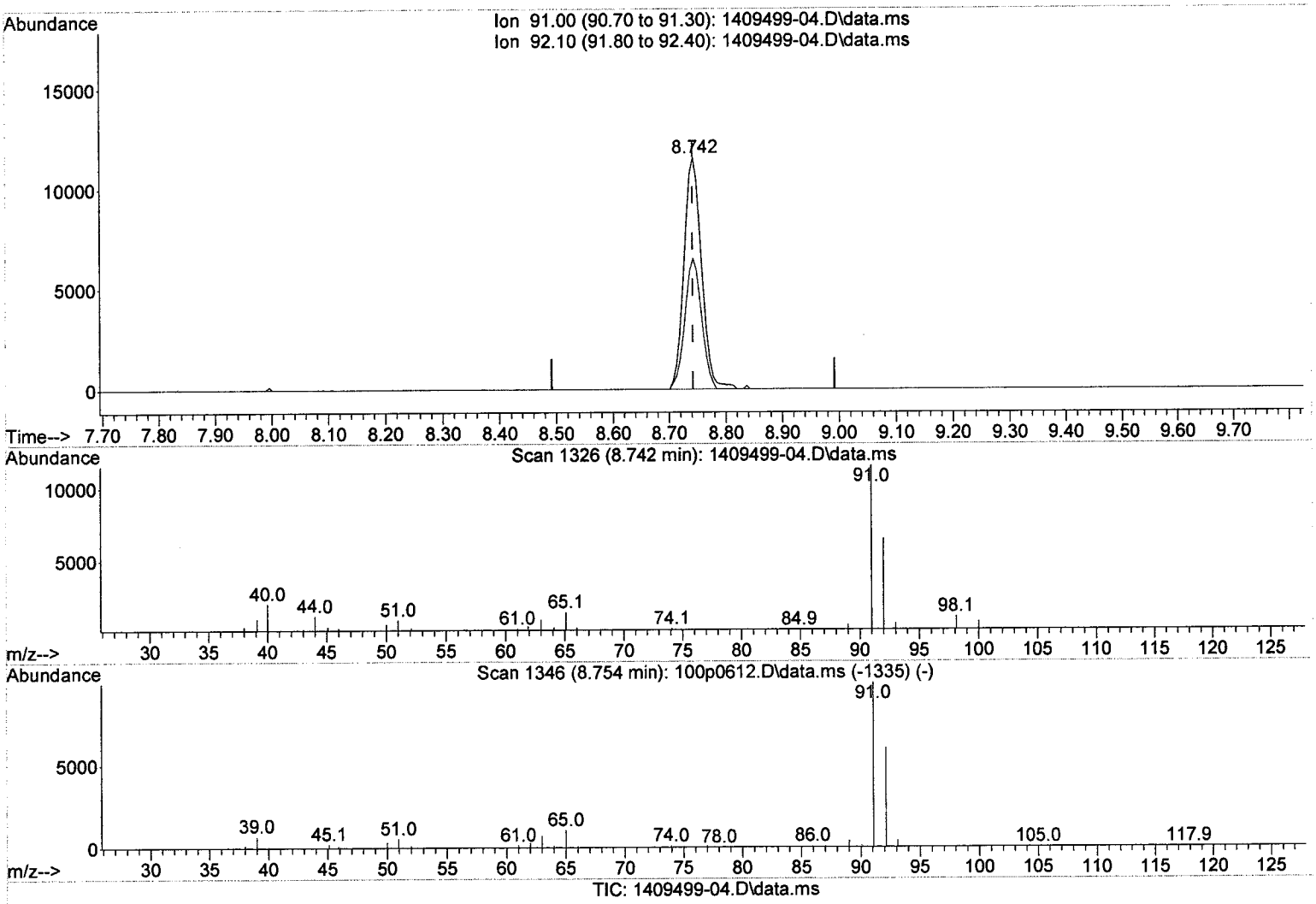
4.313min (+ 0.000) 2.34 ug/L

response 4272

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-04.D
Acq On : 09 Oct 2014 11:03
Operator : DLV
Sample : 1409499-04
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 09 11:23:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-04.D\data.ms

(47) toluene (C)

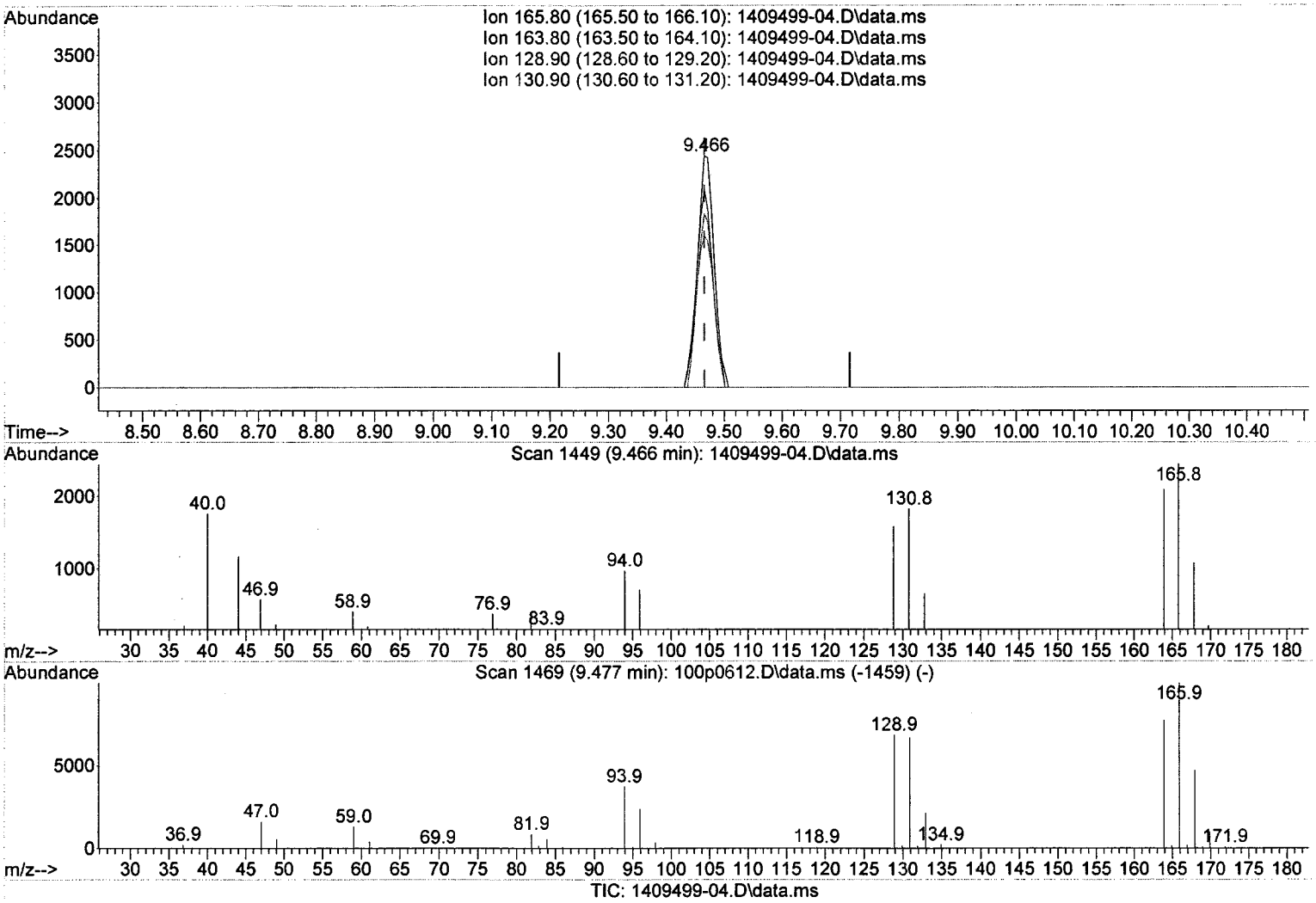
8.742min (+ 0.000) 1.42 ug/L

response 24695

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	53.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-04.D
Acq On : 09 Oct 2014 11:03
Operator : DLV
Sample : 1409499-04
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 09 11:23:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-04.D\data.ms

(51) tetrachloroethene

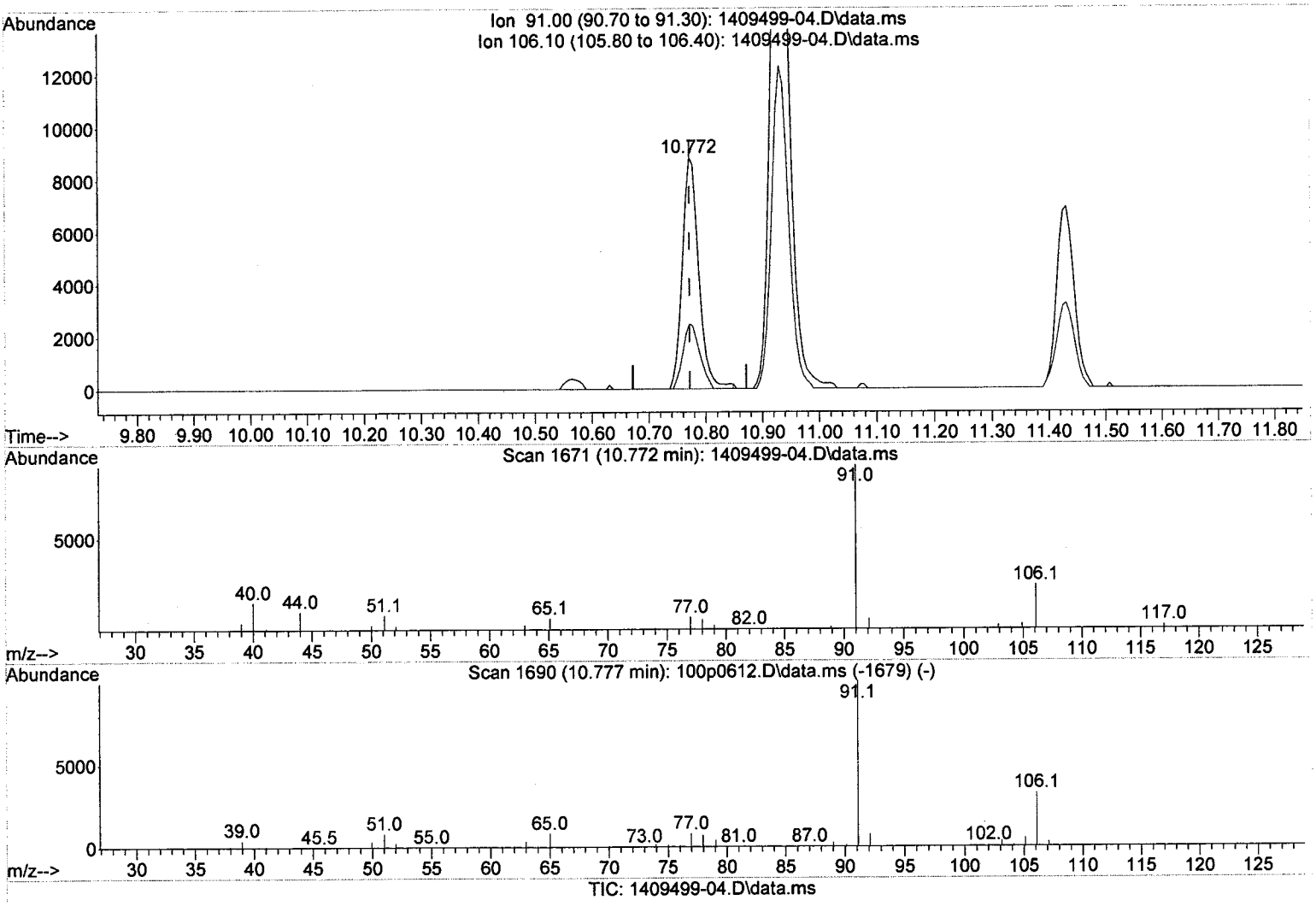
9.466min (-0.000) 1.03 ug/L

response 4826

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	86.18
128.90	74.10	70.39
130.90	70.00	74.99

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-04.D
Acq On : 09 Oct 2014 11:03
Operator : DLV
Sample : 1409499-04
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 09 11:23:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-04.D\data.ms

(59) ethylbenzene (C)

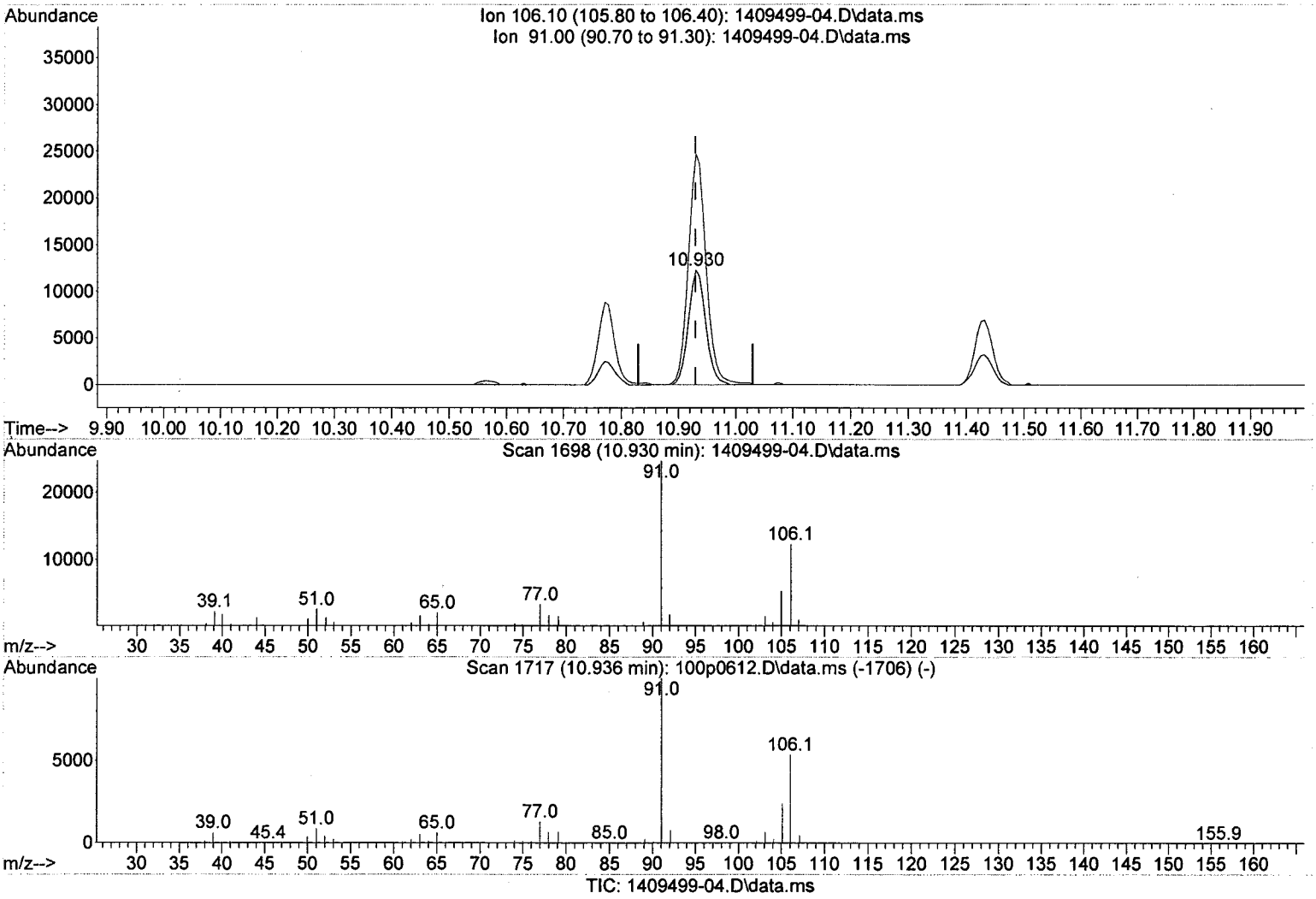
10.772min (-0.000) 0.92 ug/L

response 17613

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	28.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-04.D
Acq On : 09 Oct 2014 11:03
Operator : DLV
Sample : 1409499-04
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 09 11:23:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-04.D\data.ms

(60) m+p-xylene

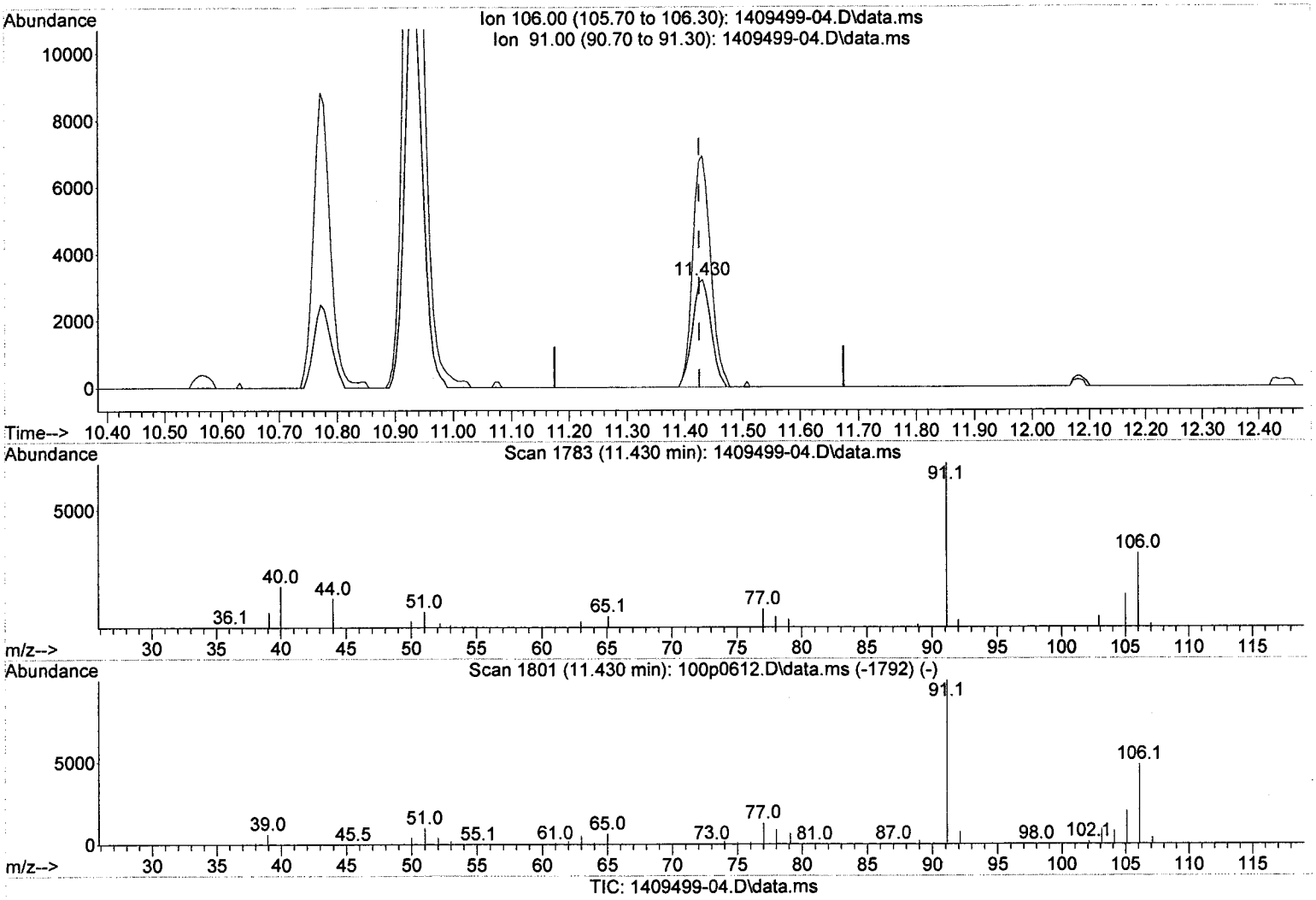
10.930min (+ 0.000) 3.61 ug/L

response 25539

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	206.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-04.D
Acq On : 09 Oct 2014 11:03
Operator : DLV
Sample : 1409499-04
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 09 11:23:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-04.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 1.05 ug/L

response 7057

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	210.36
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB33-10

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-05 File ID: 1409499-05.D

Sampled: 09/26/14 13:00 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 11:26

Solids: 90.49 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	30	4.9	5.9	5.9	
71-43-2	Benzene	1	0.59	0.19	0.59	1.2	U
108-86-1	Bromobenzene	1	0.59	0.16	0.59	1.2	U
74-97-5	Bromochloromethane	1	0.59	0.17	0.59	1.2	U
75-27-4	Bromodichloromethane	1	0.59	0.20	0.59	1.2	U
75-25-2	Bromoform	1	0.59	0.42	0.59	1.2	U
74-83-9	Bromomethane	1	0.59	0.39	0.59	1.2	U
104-51-8	n-Butylbenzene	1	0.59	0.30	0.59	1.2	U
135-98-8	sec-Butylbenzene	1	0.59	0.25	0.59	1.2	U
98-06-6	tert-Butylbenzene	1	0.59	0.20	0.59	1.2	U
75-15-0	Carbon Disulfide	1	0.59	0.27	0.59	1.2	U
56-23-5	Carbon Tetrachloride	1	0.59	0.38	0.59	1.2	U
108-90-7	Chlorobenzene	1	0.59	0.18	0.59	1.2	U
75-00-3	Chloroethane	1	1.2	0.59	1.2	1.2	U
67-66-3	Chloroform	1	0.59	0.17	0.59	1.2	U
74-87-3	Chloromethane	1	0.59	0.30	0.59	1.2	U
95-49-8	2-Chlorotoluene	1	0.59	0.34	0.59	1.2	U
106-43-4	4-Chlorotoluene	1	0.24	0.24	0.24	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.2	0.69	1.2	5.9	U
124-48-1	Dibromochloromethane	1	0.59	0.22	0.59	1.2	U
106-93-4	1,2-Dibromoethane	1	0.59	0.18	0.59	1.2	U
74-95-3	Dibromomethane	1	0.59	0.26	0.59	1.2	U
95-50-1	1,2-Dichlorobenzene	1	0.24	0.11	0.24	1.2	U
541-73-1	1,3-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
106-46-7	1,4-Dichlorobenzene	1	0.24	0.12	0.24	1.2	U
75-71-8	Dichlorodifluoromethane	1	0.59	0.17	0.59	1.2	U
75-34-3	1,1-Dichloroethane	1	0.59	0.25	0.59	1.2	U
107-06-2	1,2-Dichloroethane	1	0.59	0.27	0.59	1.2	U
75-35-4	1,1-Dichloroethene	1	0.59	0.36	0.59	1.2	U
156-59-2	cis-1,2-Dichloroethene	1	0.59	0.27	0.59	1.2	U
156-60-5	trans-1,2-Dichloroethene	1	0.59	0.32	0.59	1.2	U
78-87-5	1,2-Dichloropropane	1	0.59	0.20	0.59	1.2	U
142-28-9	1,3-Dichloropropane	1	0.59	0.17	0.59	1.2	U
594-20-7	2,2-Dichloropropane	1	0.59	0.27	0.59	1.2	U
563-58-6	1,1-Dichloropropene	1	0.59	0.33	0.59	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1	0.24	0.13	0.24	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1	0.59	0.14	0.59	1.2	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB33-10

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-05 File ID: 1409499-05.D

Sampled: 09/26/14 13:00 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 11:26

Solids: 90.49 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.1	0.22	0.59	1.2	J
87-68-3	Hexachlorobutadiene	1	0.59	0.24	0.59	1.2	U
591-78-6	2-Hexanone	1	0.59	0.56	0.59	5.9	U
98-82-8	Isopropylbenzene	1	0.24	0.13	0.24	1.2	U
99-87-6	4-Isopropyltoluene	1	0.59	0.28	0.59	1.2	U
75-09-2	Methylene Chloride	1	1.3	0.55	1.2	5.9	JB
78-93-3	2-Butanone (MEK)	1	3.0	1.3	5.9	5.9	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.59	0.45	0.59	5.9	U
91-20-3	Naphthalene	1	0.59	0.19	0.59	5.9	U
103-65-1	n-Propylbenzene	1	0.59	0.14	0.59	1.2	U
100-42-5	Styrene	1	0.24	0.24	0.24	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.59	0.17	0.59	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.59	0.17	0.59	1.2	U
127-18-4	Tetrachloroethene	1	4.9	0.20	0.59	1.2	
108-88-3	Toluene	1	1.5	0.12	0.24	1.2	
87-61-6	1,2,3-Trichlorobenzene	1	0.59	0.34	0.59	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1	0.59	0.20	0.59	1.2	U
71-55-6	1,1,1-Trichloroethane	1	0.59	0.17	0.59	1.2	U
79-00-5	1,1,2-Trichloroethane	1	0.59	0.25	0.59	1.2	U
79-01-6	Trichloroethene	1	0.59	0.28	0.59	1.2	U
75-69-4	Trichlorofluoromethane	1	0.59	0.20	0.59	1.2	U
96-18-4	1,2,3-Trichloropropane	1	0.59	0.27	0.59	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1	0.59	0.13	0.59	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1	0.59	0.23	0.59	1.2	U
75-01-4	Vinyl Chloride	1	0.59	0.24	0.59	1.2	U
179601-23-1	Xylene, Meta + Para	1	4.2	0.17	0.47	2.4	
95-47-6	Xylene, Ortho	1	1.3	0.13	0.24	1.2	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.7	107	78 - 119	
1,2-Dichloroethane-d4	40.0	43.6	109	71 - 136	
Toluene-d8	40.0	39.3	98	85 - 116	
4-Bromofluorobenzene	40.0	39.1	98	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	440012	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB33-10

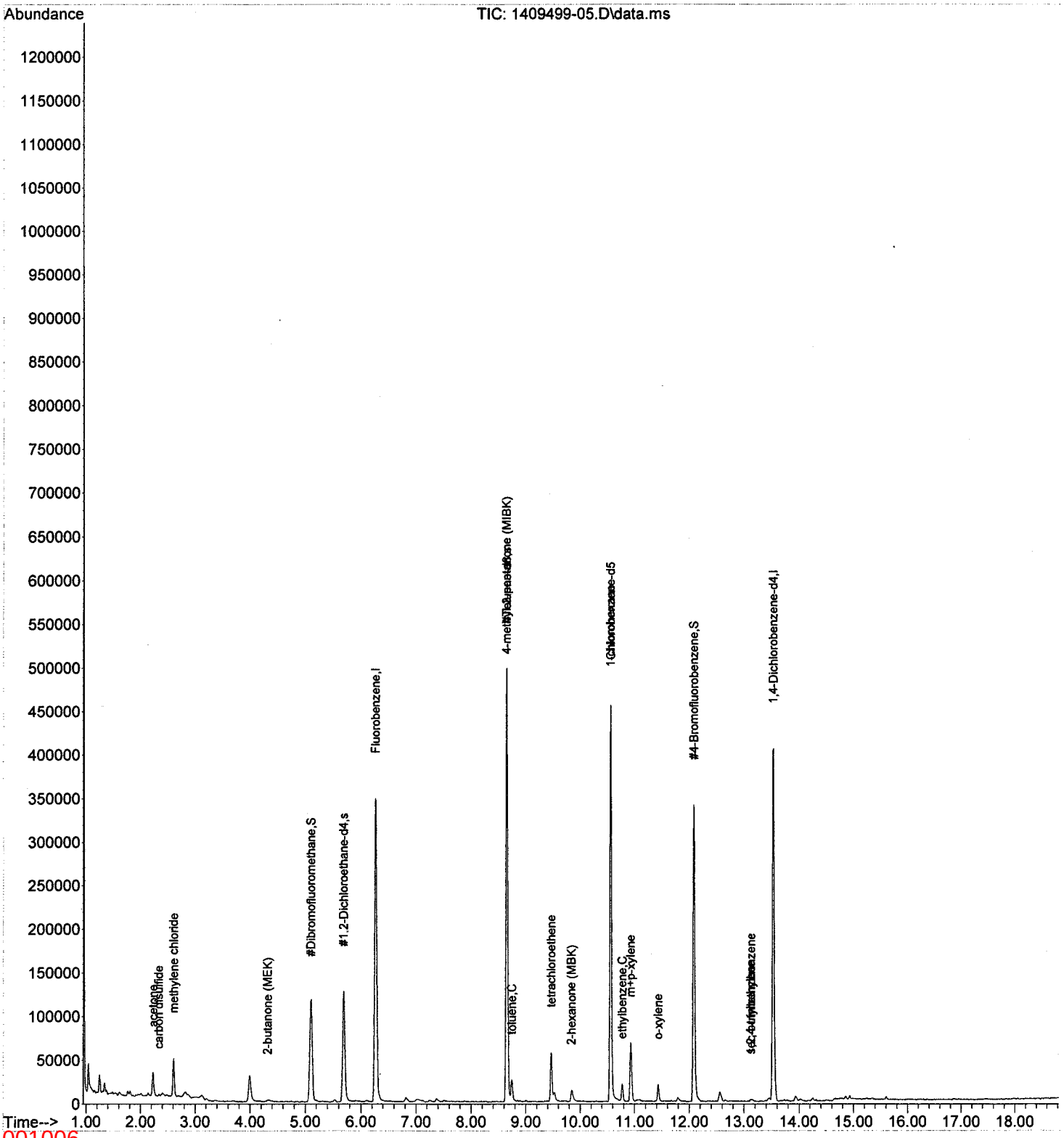
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-05
File ID: 1409499-05.D
Sampled: 09/26/14 13:00
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 11:26
Solids: 90.49
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	314143	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	146766	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-05.D
Acq On : 09 Oct 2014 11:26
Operator : DLV
Sample : 1409499-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 09 11:46:43 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001006

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-05.D
Acq On : 09 Oct 2014 11:26
Operator : DLV
Sample : 1409499-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 09 11:46:43 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	440012	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	314143	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	146766	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.101	111	116522	42.66	ug/L		0.00
Spiked Amount 40.000			Recovery = 106.65%				
37) #1,2-Dichloroethane-d4	5.690	67	69927	43.60	ug/L		0.00
Spiked Amount 40.000			Recovery = 109.00%				
46) #Toluene-d8	8.654	98	417886	39.27	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.18%				
64) #4-Bromofluorobenzene	12.083	95	151932	39.08	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.70%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	36474	✓ 25.74	ug/L		95
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	1595	0.18	ug/L	#	75
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	25607	✓ 1.13	ug/L		97
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.319	43	4393	✓ 2.54	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

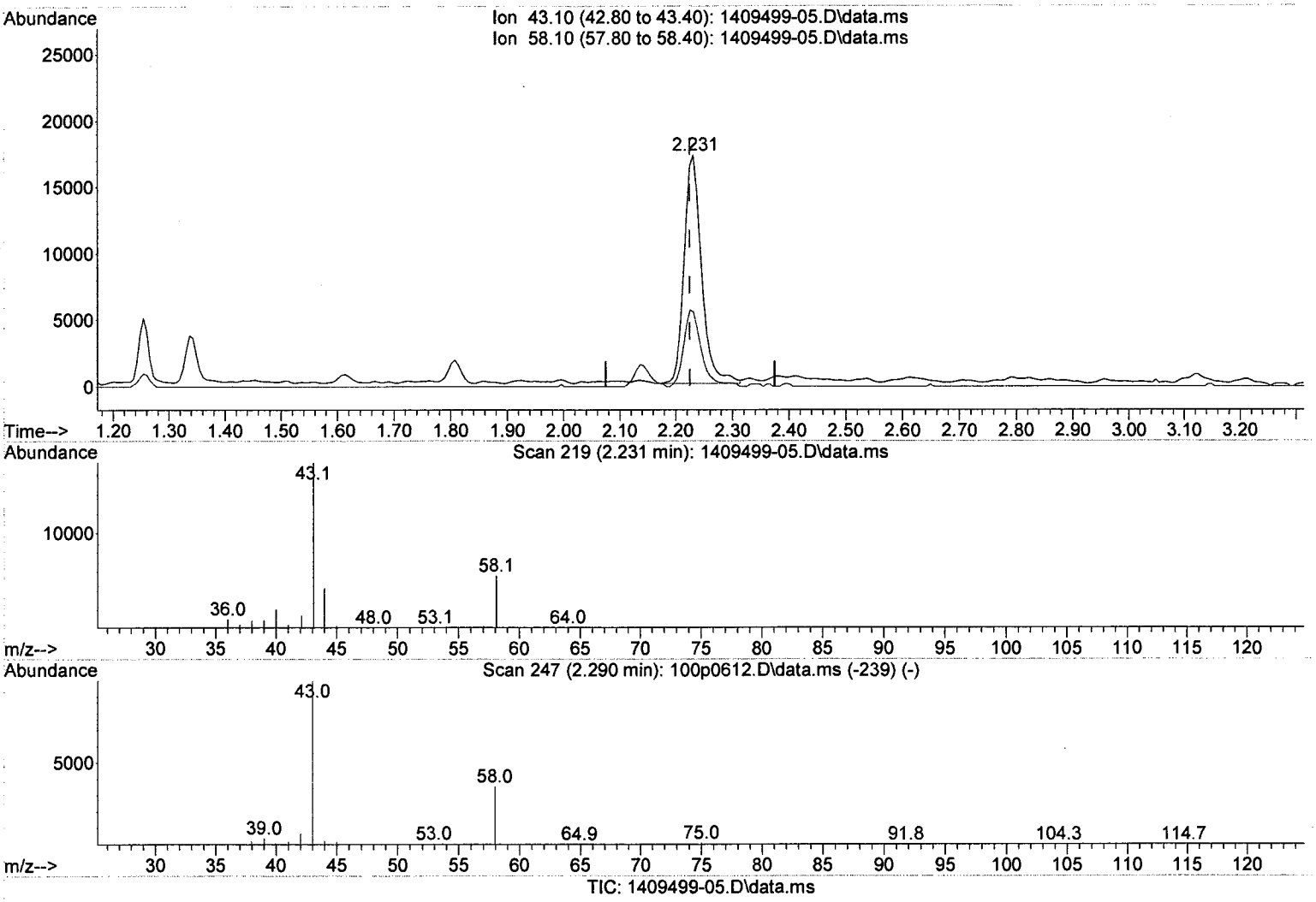
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-05.D
Acq On : 09 Oct 2014 11:26
Operator : DLV
Sample : 1409499-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 09 11:46:43 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	8.648	43	2476	nf ~~0.74~~ ug/L #	1
47) toluene	8.742	91	21439	√ 1.30 ug/L	98
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	9.466	166	19262	√ 4.19 ug/L	96
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.842	43	4688	nf ~~1.86~~ ug/L #	15
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2648	0.62 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	17345	✓ 0.92 ug/L	98
60) m+p-xylene	10.930	106	24923	√ 3.58 ug/L	100
61) o-xylene	11.430	106	7050	√ 1.07 ug/L	90
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.124	105	1588	ps ~~0.11~~ ug/L #	31
77) sec-butylbenzene	13.124	105	1588	0.09 ug/L #	58
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-05.D
Acq On : 09 Oct 2014 11:26
Operator : DLV
Sample : 1409499-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 09 11:46:43 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-05.D\data.ms

(13) acetone

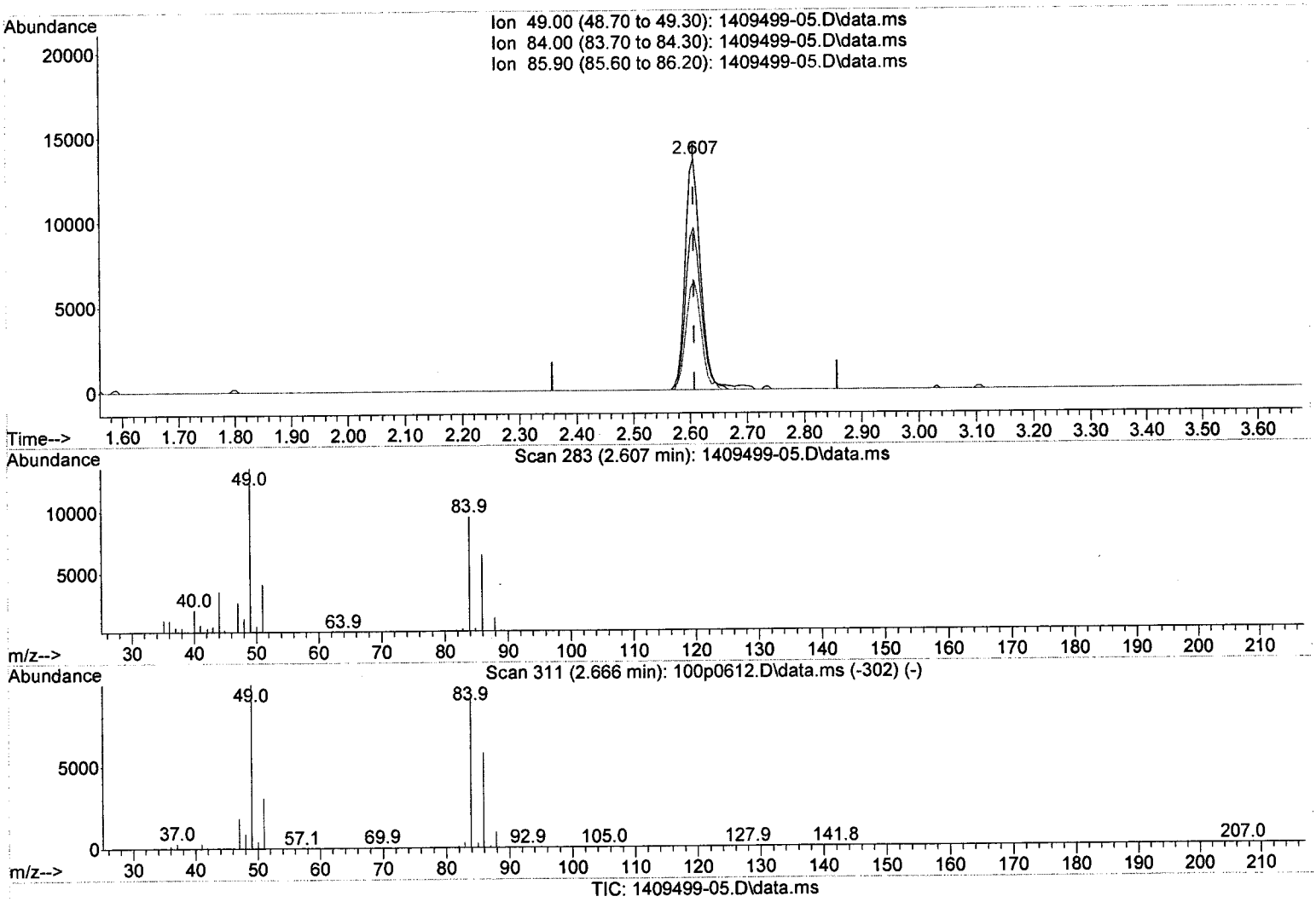
2.231min (+ 0.006) 25.74 ug/L

response 36474

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	33.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-05.D
Acq On : 09 Oct 2014 11:26
Operator : DLV
Sample : 1409499-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 09 11:46:43 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(17) methylene chloride

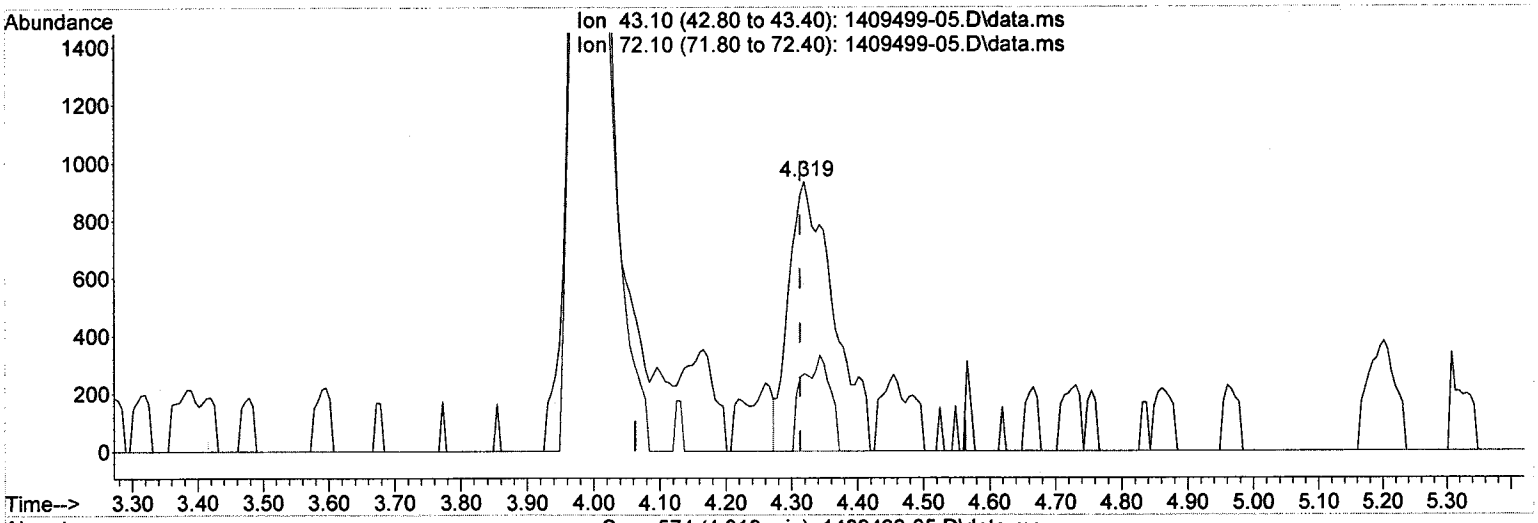
2.607min (+ 0.000) 1.13 ug/L

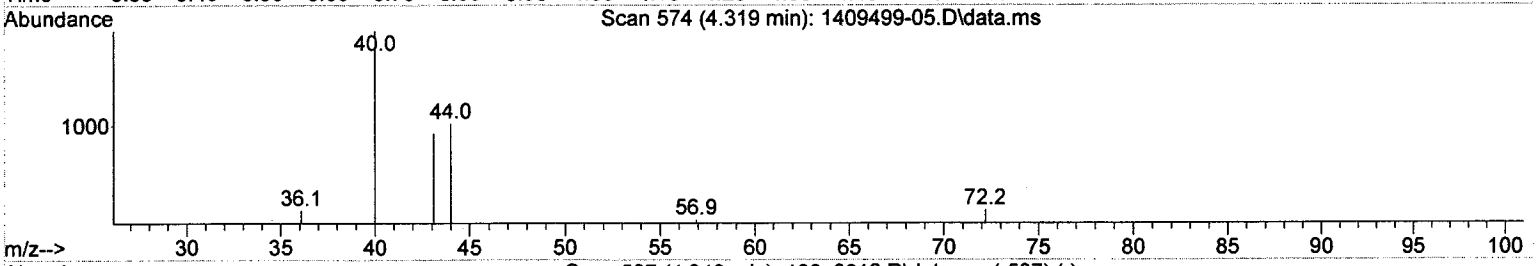
response 25607

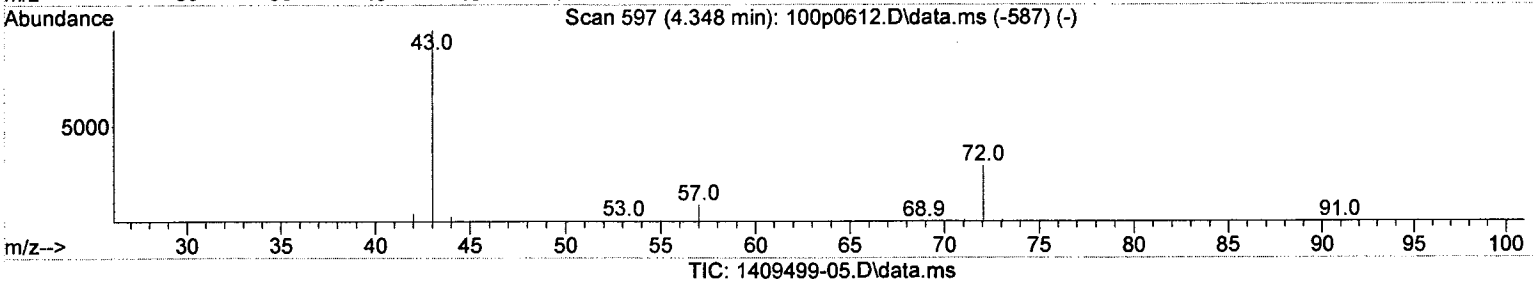
Ion	Exp%	Act%
49.00	100.00	100.00
84.00	74.80	71.32
85.90	48.00	46.68
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-05.D
Acq On : 09 Oct 2014 11:26
Operator : DLV
Sample : 1409499-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 09 11:46:43 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-05.D\data.ms

(25) 2-butanone (MEK)

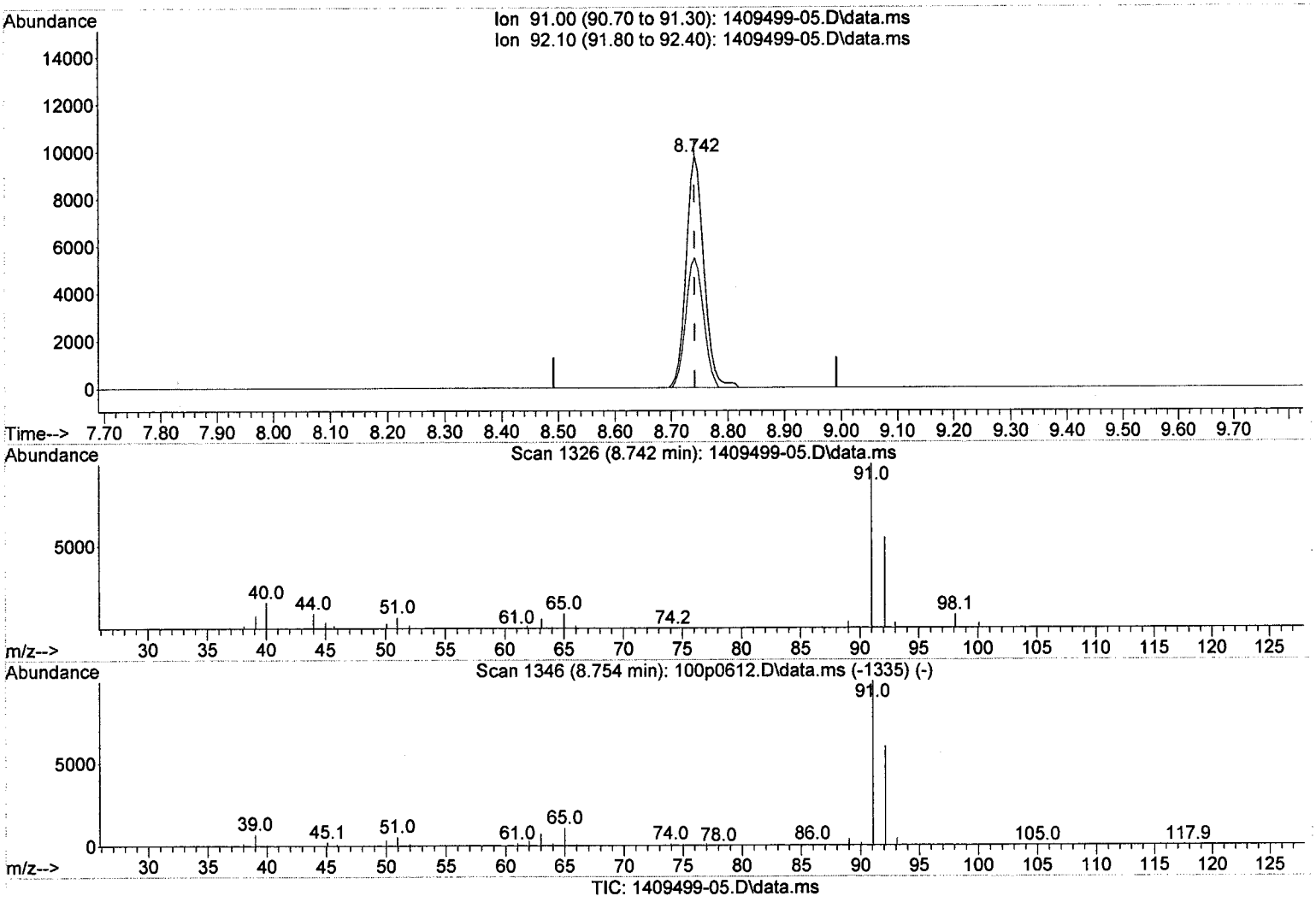
4.319min (+ 0.006) 2.54 ug/L

response 4393

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-05.D
Acq On : 09 Oct 2014 11:26
Operator : DLV
Sample : 1409499-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 09 11:46:43 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-05.D\data.ms

(47) toluene (C)

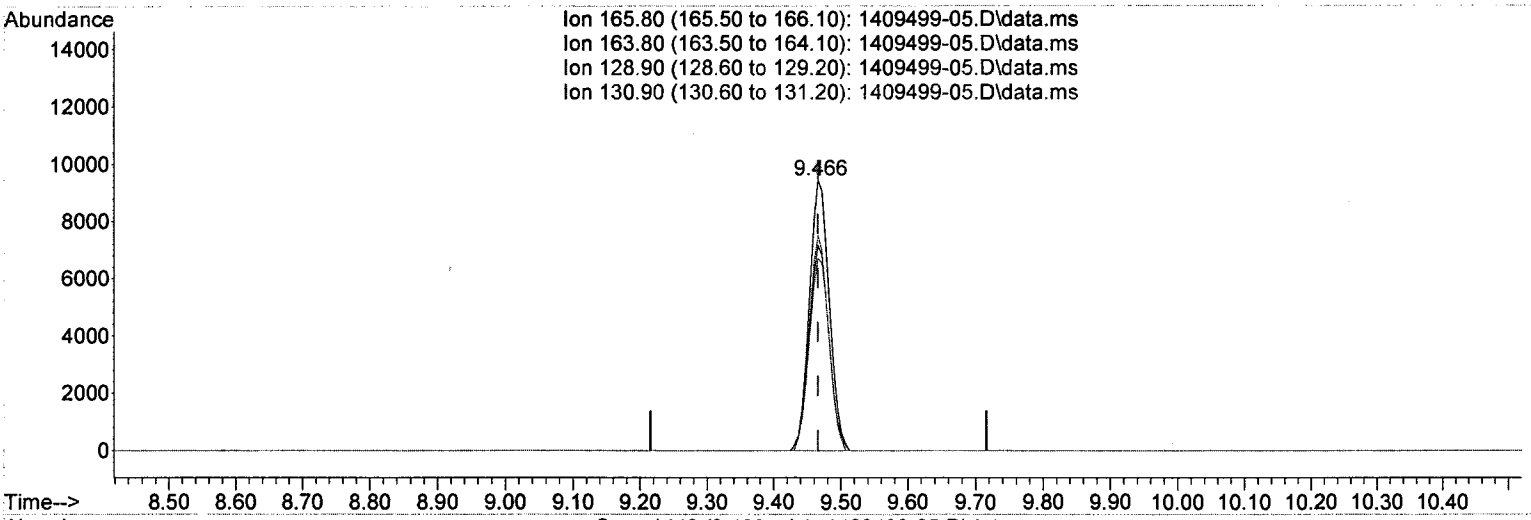
8.742min (+ 0.000) 1.30 ug/L

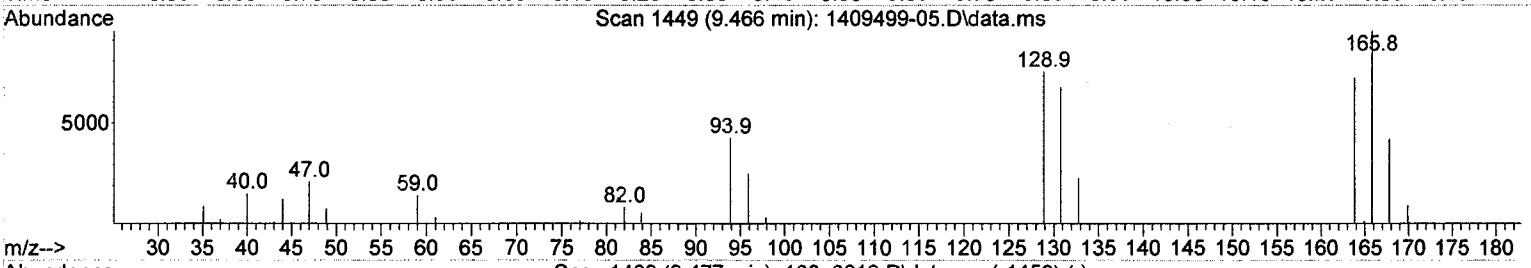
response 21439

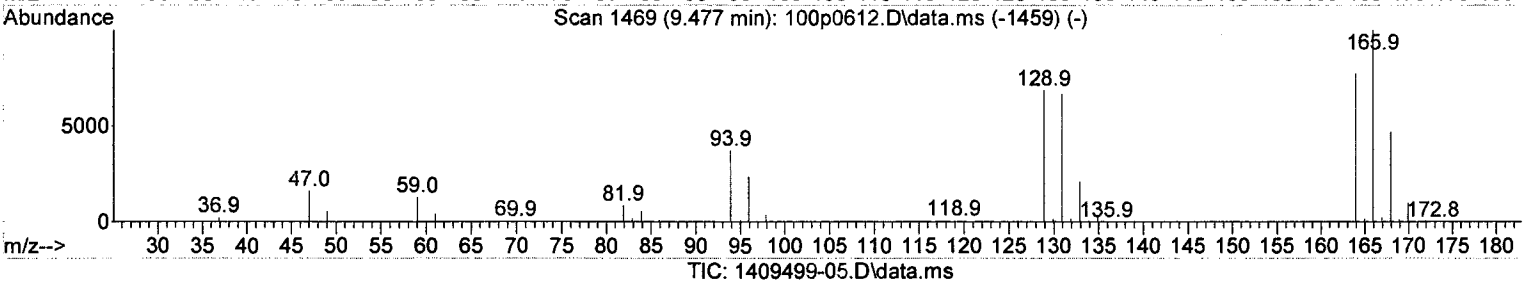
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	55.52
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-05.D
Acq On : 09 Oct 2014 11:26
Operator : DLV
Sample : 1409499-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 09 11:46:43 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-05.D\data.ms

(51) tetrachloroethene

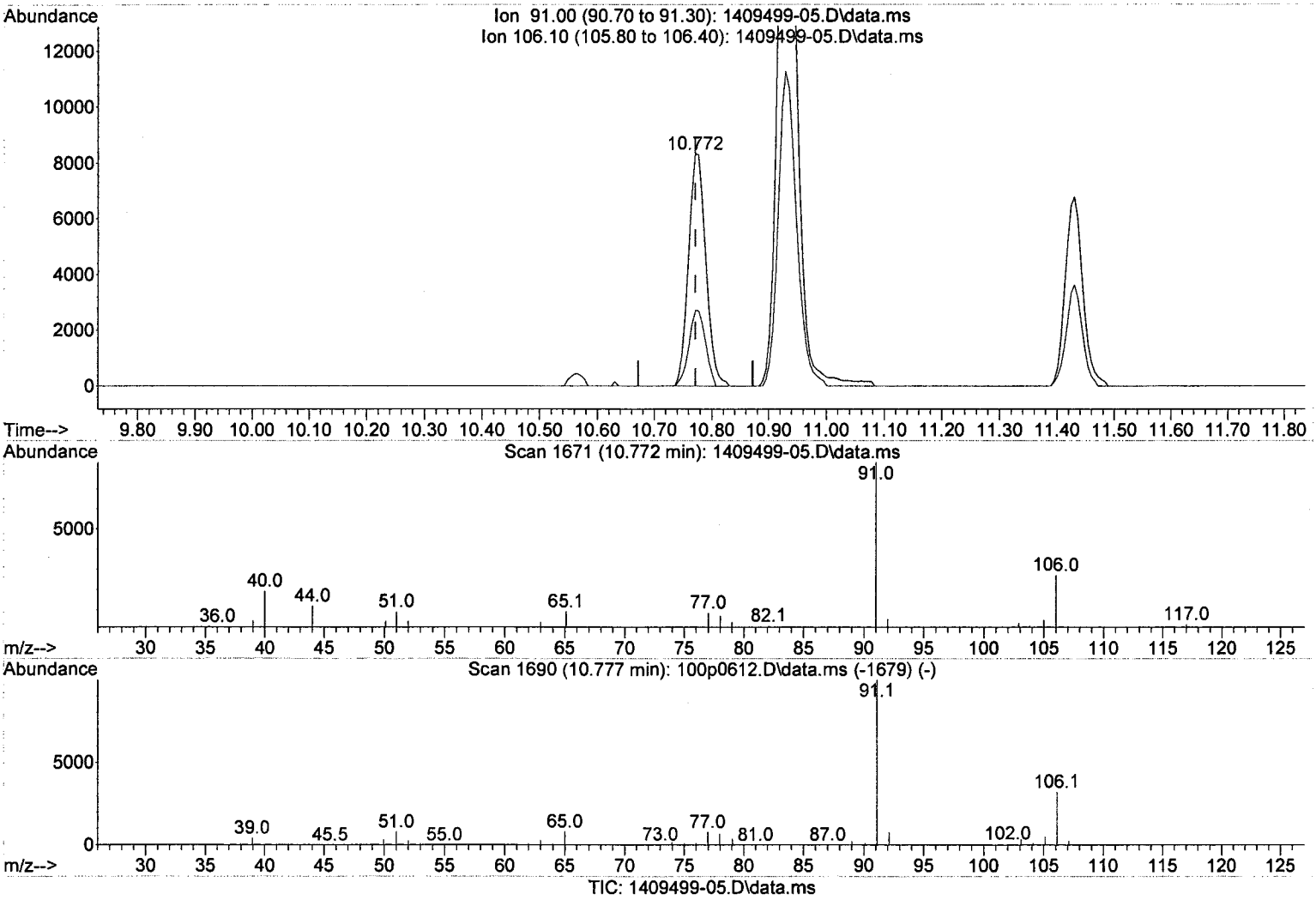
9.466min (-0.000) 4.19 ug/L

response 19262

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	74.06
128.90	74.10	78.26
130.90	70.00	71.91

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-05.D
Acq On : 09 Oct 2014 11:26
Operator : DLV
Sample : 1409499-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 09 11:46:43 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-05.D\data.ms

(59) ethylbenzene (C)

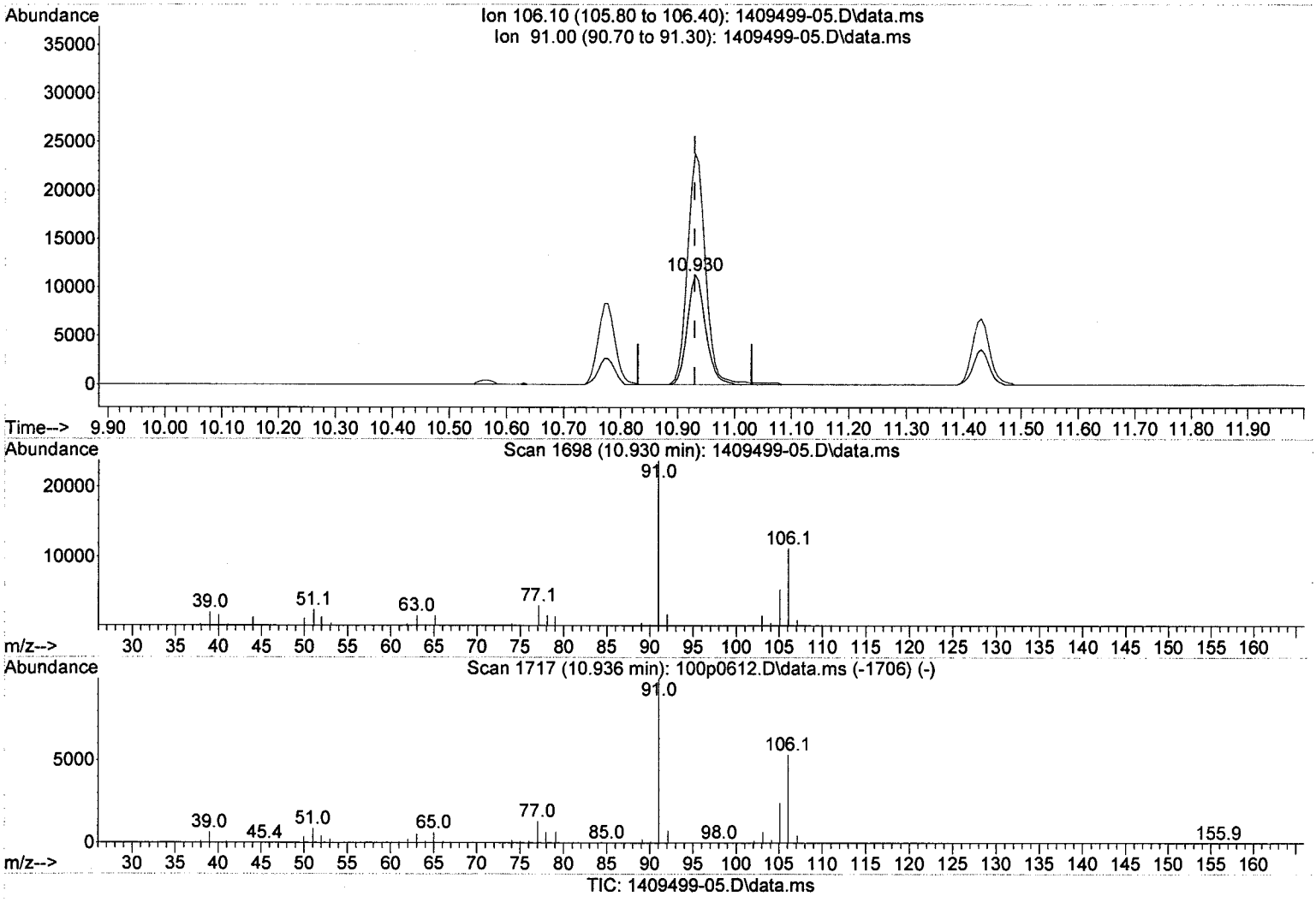
10.772min (-0.000) 0.92 ug/L

response 17345

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	31.02
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-05.D
Acq On : 09 Oct 2014 11:26
Operator : DLV
Sample : 1409499-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 09 11:46:43 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-05.D\data.ms

(60) m+p-xylene

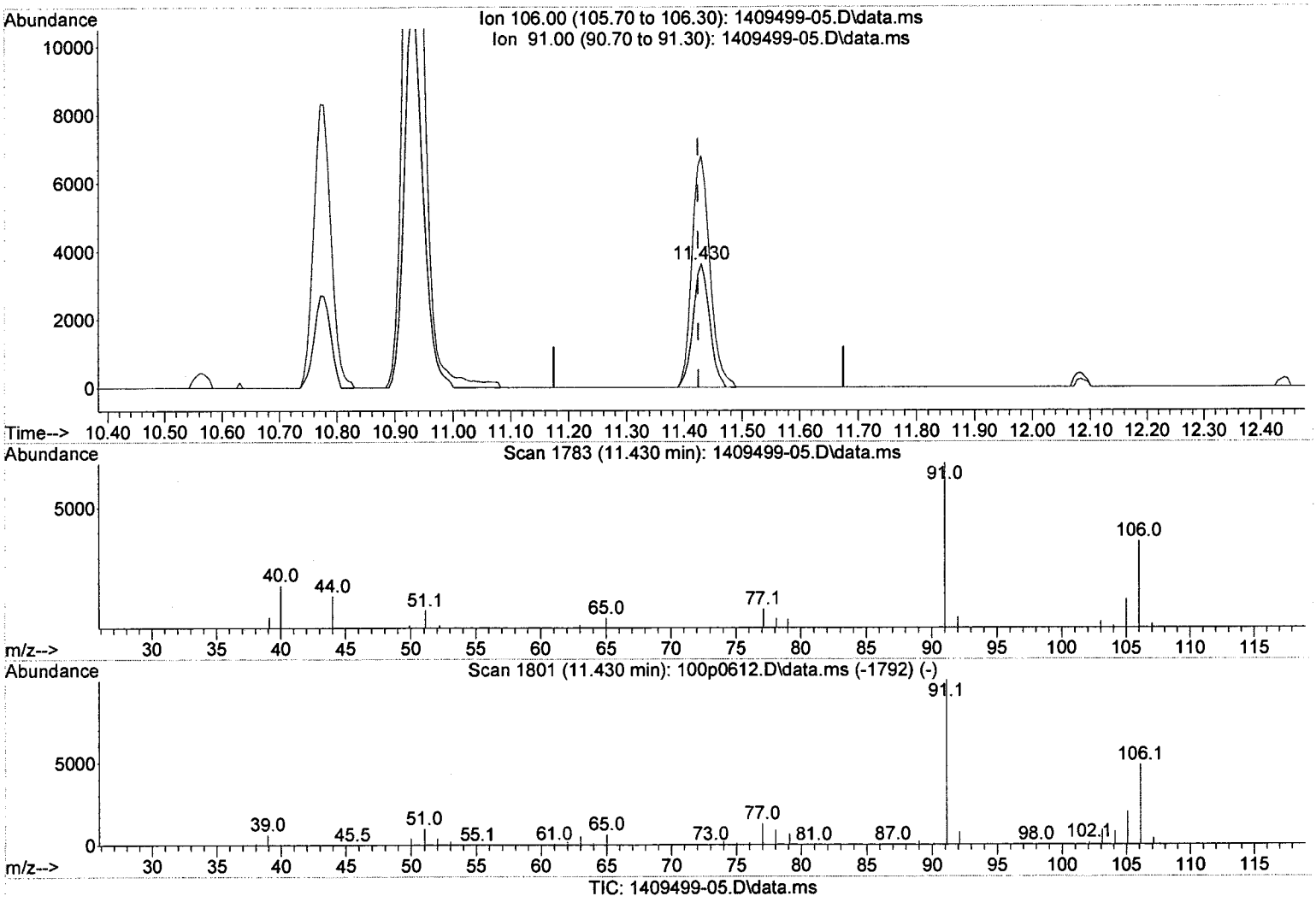
10.930min (+ 0.000) 3.58 ug/L

response 24923

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	207.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-05.D
Acq On : 09 Oct 2014 11:26
Operator : DLV
Sample : 1409499-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 09 11:46:43 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-05.D\data.ms

(61) o-xylene

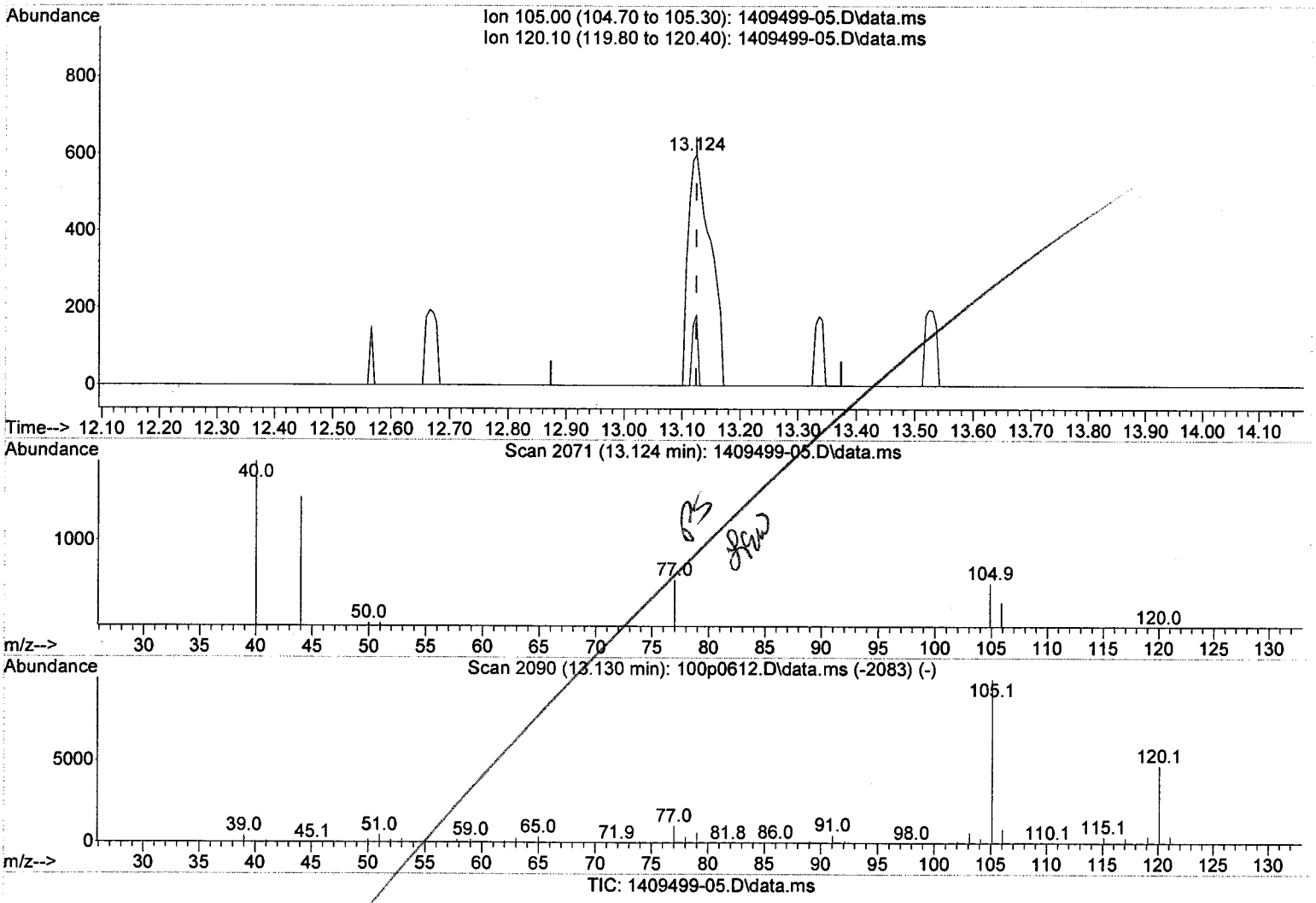
11.430min (+ 0.005) 1.07 ug/L

response 7050

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	204.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-05.D
Acq On : 09 Oct 2014 11:26
Operator : DLV
Sample : 1409499-05
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 09 11:46:43 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-05.D\data.ms

(76) 1,2,4-trimethylbenzene

13.124min (+ 0.000) 0.11 ug/L

response 1588

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	45.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16GW29-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409499-06 File ID: 1409499-06.D

Sampled: 09/26/14 10:55 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 02:50

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	8.2	1.6	5.0	5.0	
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16GW29-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409499-06 File ID: 1409499-06.D

Sampled: 09/26/14 10:55 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 02:50

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.0	102	80 - 119	
1,2-Dichloroethane-d4	40.0	41.2	103	81 - 118	
Toluene-d8	40.0	38.7	97	89 - 112	
4-Bromofluorobenzene	40.0	37.0	92	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16GW29-01

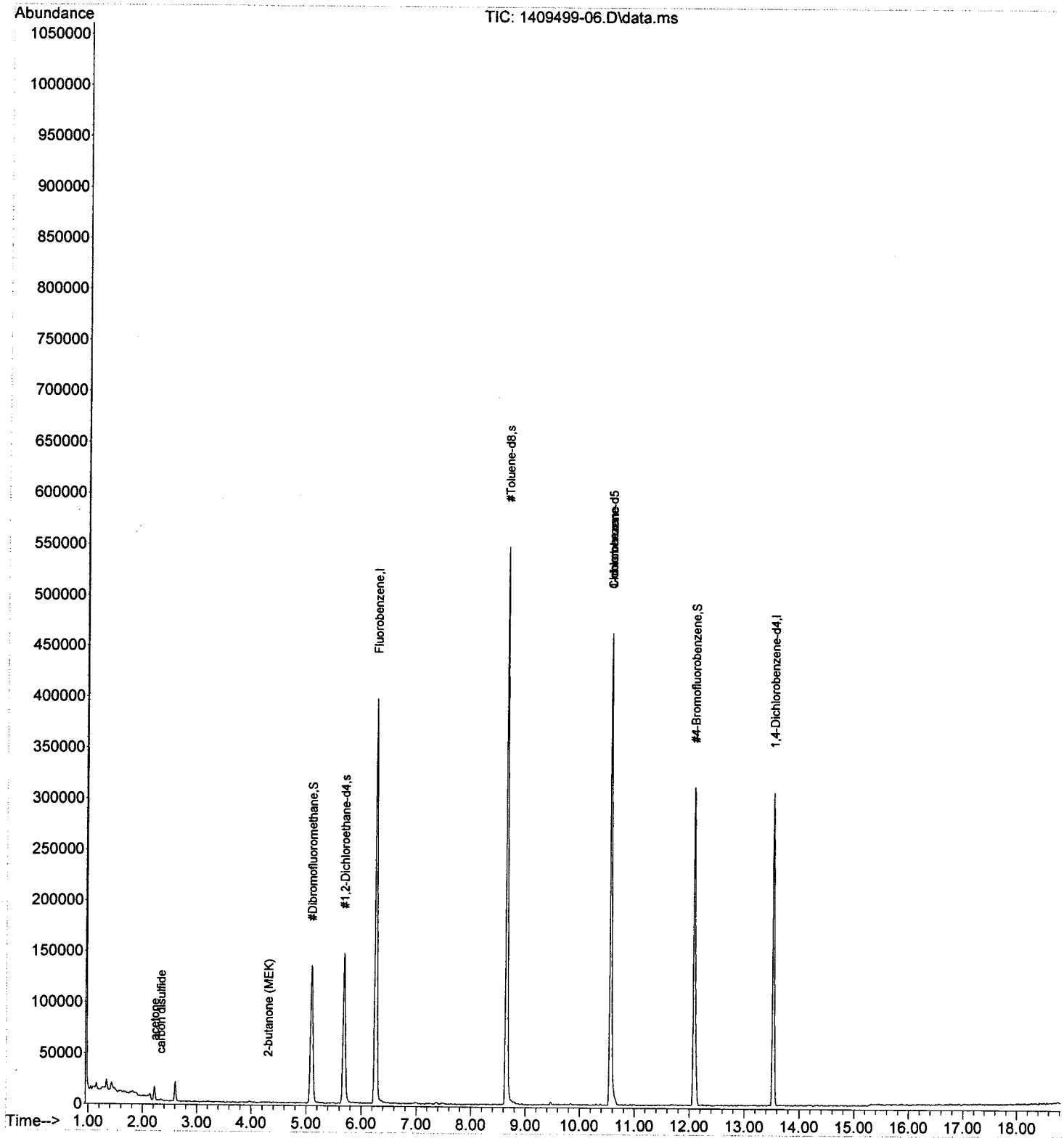
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409499-06
File ID: 1409499-06.D
Sampled: 09/26/14 10:55
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 02:50
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	501523	6.266	523953	6.266	
Chlorobenzene-d5	338005	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	106931	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-06.D
Acq On : 03 Oct 2014 02:50
Operator : DLV
Sample : 1409499-06
Misc : AECOM
ALS Vial : 44 Sample Multiplier: 1
Quant Time: Oct 04 11:43:12 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



001021

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-06.D
Acq On : 03 Oct 2014 02:50
Operator : DLV
Sample : 1409499-06
Misc : AECOM
ALS Vial : 44 Sample Multiplier: 1
Quant Time: Oct 04 11:43:12 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	501523	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	338005	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	106931	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.096	111	136028	40.98	ug/L	0.00
Spiked Amount 40.000			Recovery = 102.45%			
37) #1,2-Dichloroethane-d4	5.684	67	84826	41.16	ug/L	0.00
Spiked Amount 40.000			Recovery = 102.90%			
46) #Toluene-d8	8.654	98	472937	38.70	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.75%			
64) #4-Bromofluorobenzene	12.083	95	155709	36.97	ug/L	0.00
Spiked Amount 40.000			Recovery = 92.42%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	15143	✓ 8.22	ug/L	92
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.337	76	1723	~~0.20~~	ug/L #	74
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.602	49	11446	Below Cal		94
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.307	43	1486	~~0.69~~	ug/L #	49
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	18146	No Calib		
38) trichloroethene	0.000		0	N.D.		

001022

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-06.D
Acq On : 03 Oct 2014 02:50
Operator : DLV
Sample : 1409499-06
Misc : AECOM
ALS Vial : 44 Sample Multiplier: 1
Quant Time: Oct 04 11:43:12 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

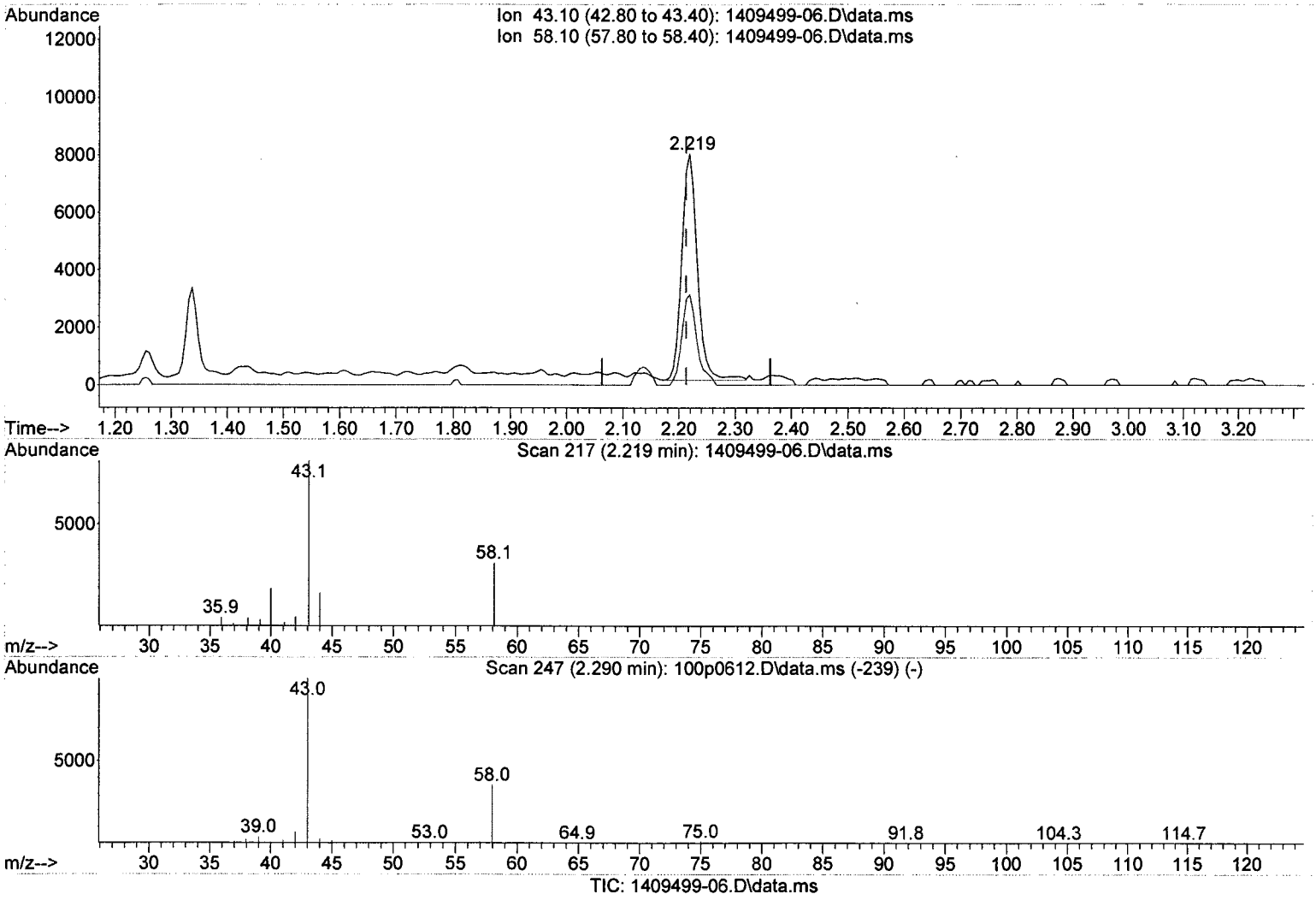
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2701	0.79 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001023

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-06.D
Acq On : 03 Oct 2014 02:50
Operator : DLV
Sample : 1409499-06
Misc : AECOM
ALS Vial : 44 Sample Multiplier: 1
Quant Time: Oct 03 06:48:07 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409499-06.D\data.ms

(13) acetone

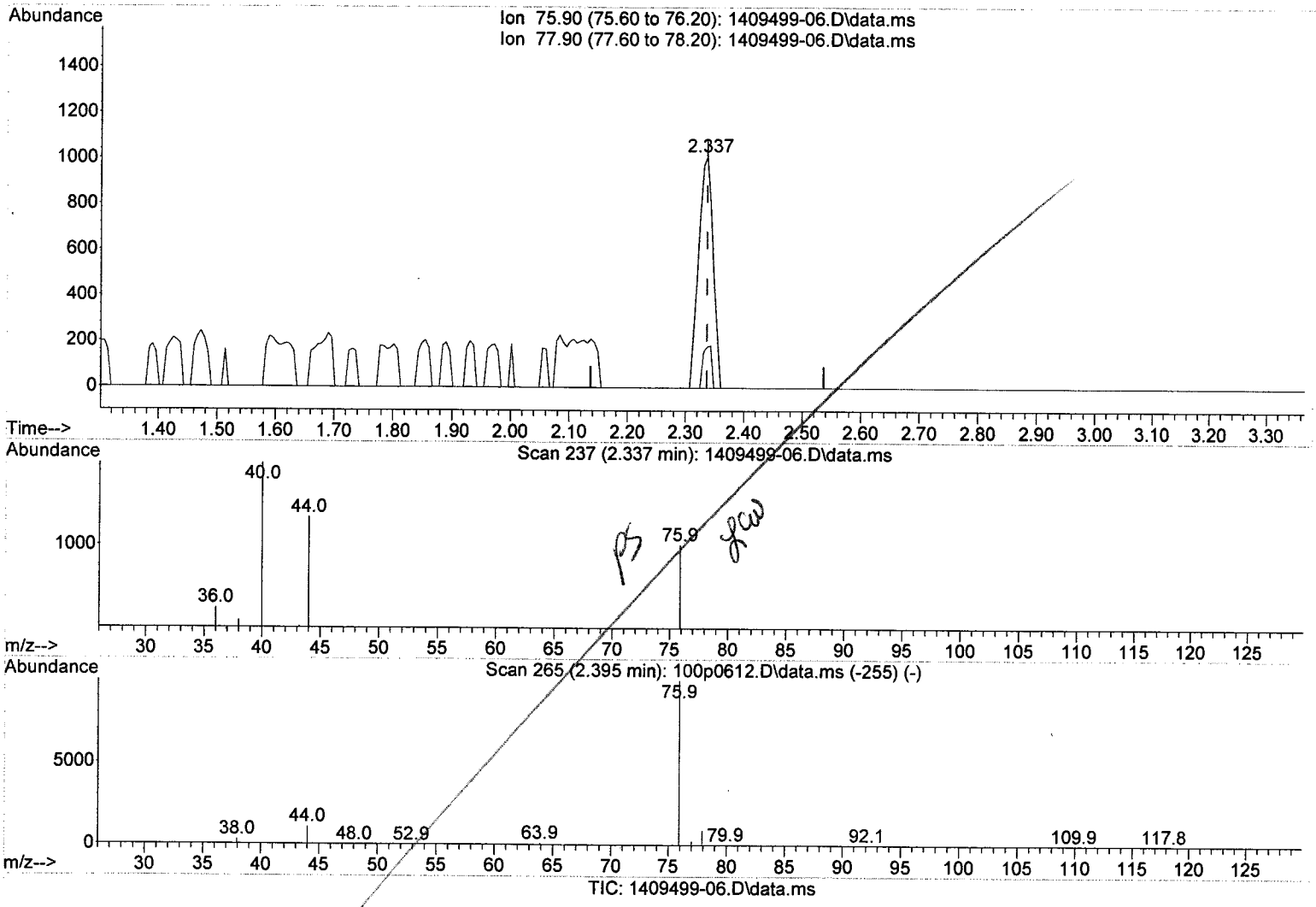
2.219min (+ 0.006) 8.22 ug/L

response 15143

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	38.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-06.D
Acq On : 03 Oct 2014 02:50
Operator : DLV
Sample : 1409499-06
Misc : AECOM
ALS Vial : 44 Sample Multiplier: 1
Quant Time: Oct 03 06:48:07 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409499-06.D\data.ms

(15) carbon disulfide

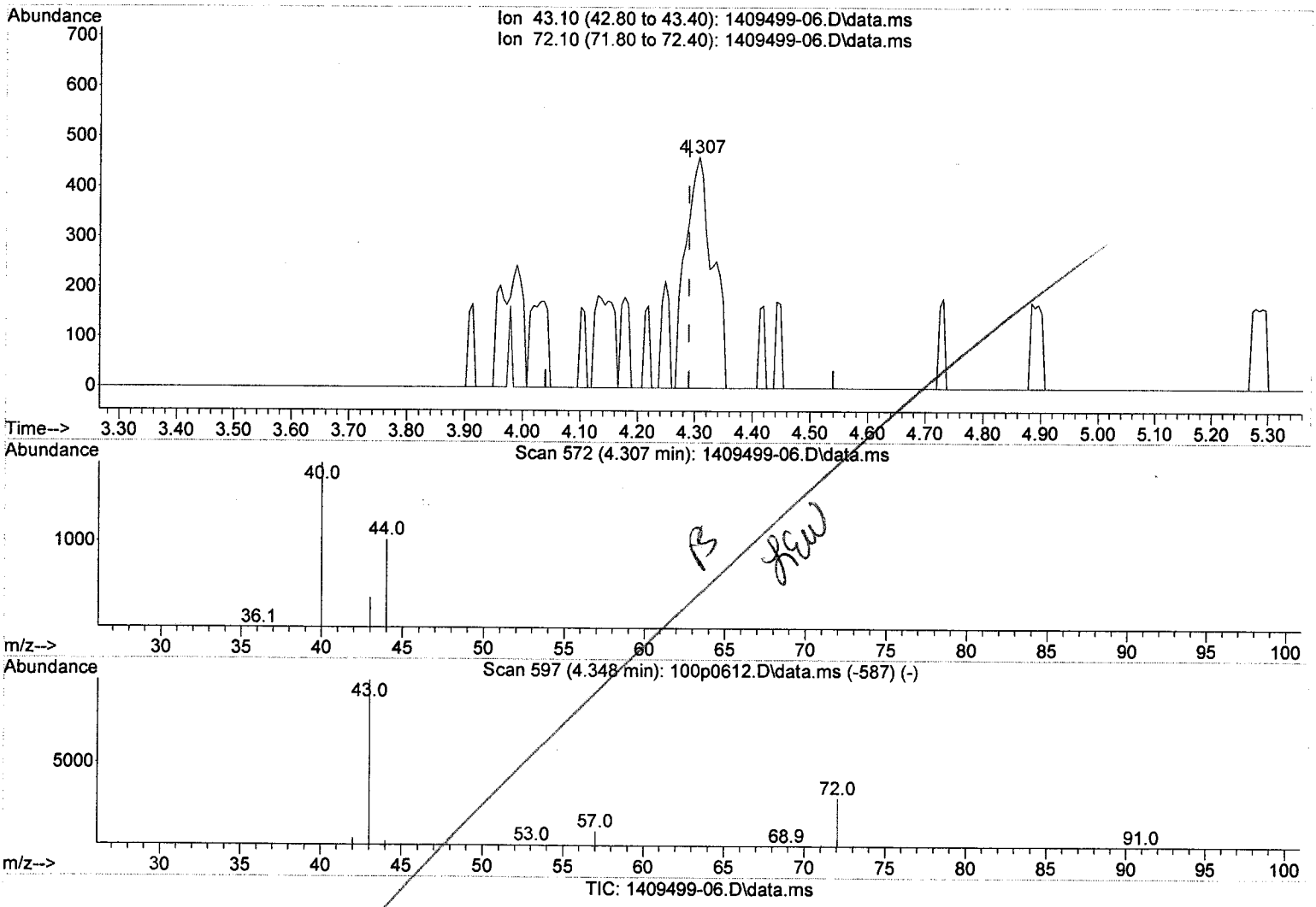
2.337min (-0.000) 0.20 ug/L

response 1723

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-06.D
Acq On : 03 Oct 2014 02:50
Operator : DLV
Sample : 1409499-06
Misc : AECOM
ALS Vial : 44 Sample Multiplier: 1
Quant Time: Oct 03 06:48:07 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409499-06.D\data.ms

(25) 2-butanone (MEK)

4.307min (+ 0.017) 0.69 ug/L

response 1486

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	26.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-EB092614JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1409499-07 File ID: 1409499-07.D

Sampled: 09/26/14 09:00 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 03:16

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	2.9	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-EB092614JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1409499-07 File ID: 1409499-07.D

Sampled: 09/26/14 09:00 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 03:16

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	7.0	0.35	1.0	1.0	
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.0	100	80 - 119	
1,2-Dichloroethane-d4	40.0	40.2	100	81 - 118	
Toluene-d8	40.0	38.8	97	89 - 112	
4-Bromofluorobenzene	40.0	35.6	89	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-EB092614JC-001

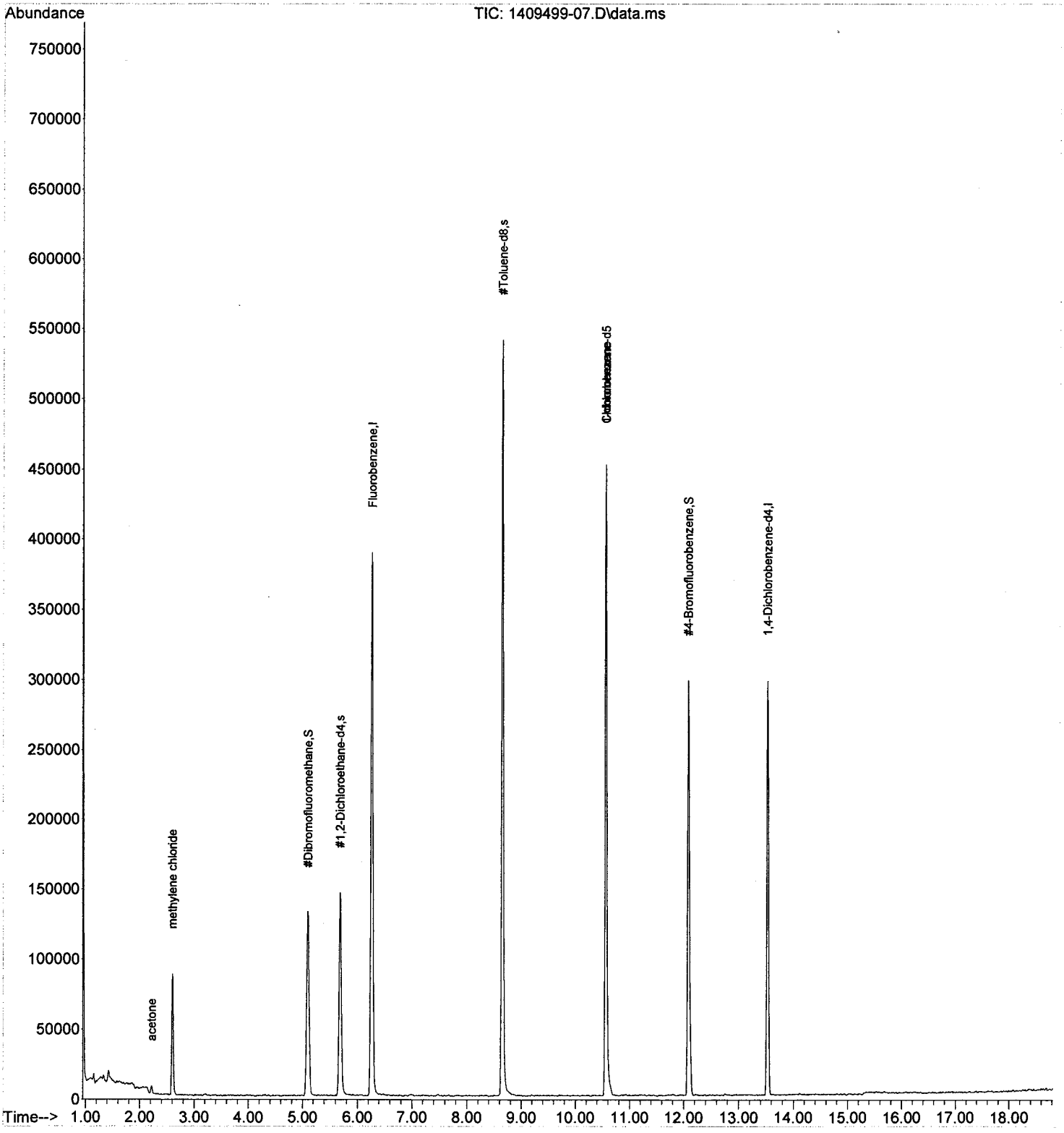
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1409499-07
File ID: 1409499-07.D
Sampled: 09/26/14 09:00
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 03:16
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	494235	6.266	523953	6.266	
Chlorobenzene-d5	332236	10.566	369199	10.56	
1,4-Dichlorobenzene-d4	107354	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-07.D
Acq On : 03 Oct 2014 03:16
Operator : DLV
Sample : 1409499-07
Misc : AECOM
ALS Vial : 45 Sample Multiplier: 1
Quant Time: Oct 04 11:43:15 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



001030

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-07.D
Acq On : 03 Oct 2014 03:16
Operator : DLV
Sample : 1409499-07
Misc : AECOM
ALS Vial : 45 Sample Multiplier: 1
Quant Time: Oct 04 11:43:15 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	494235	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	332236	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	107354	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	130704	39.96	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.90%			
37) #1,2-Dichloroethane-d4	5.684	67	81568	40.17	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.43%			
46) #Toluene-d8	8.654	98	467438	38.81	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.03%			
64) #4-Bromofluorobenzene	12.083	95	147565	35.64	ug/L	0.00
Spiked Amount 40.000			Recovery = 89.10%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	6577	2.89	ug/L	93
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.602	49	51863	7.05	ug/L	98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	16939	No Calib		
38) trichloroethene	0.000		0	N.D.		

001031

Quantitation Report (Not Reviewed)

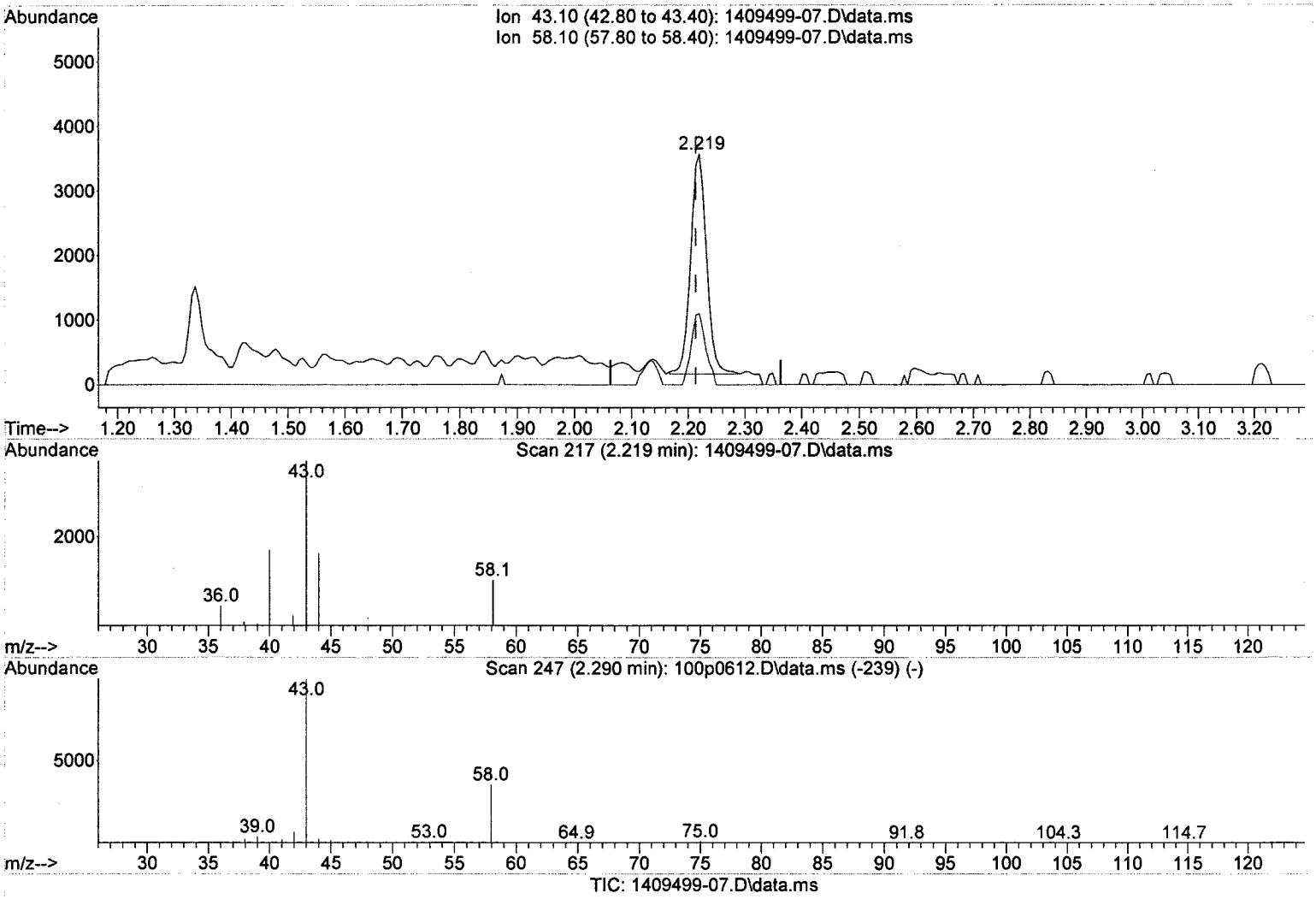
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-07.D
Acq On : 03 Oct 2014 03:16
Operator : DLV
Sample : 1409499-07
Misc : AECOM
ALS Vial : 45 Sample Multiplier: 1
Quant Time: Oct 04 11:43:15 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	0.000		0	N.D.		
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.566	55	2680	0.80	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	0.000		0	N.D.		
60) m+p-xylene	0.000		0	N.D.		
61) o-xylene	0.000		0	N.D.		
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	0.000		0	N.D.		
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-07.D
Acq On : 03 Oct 2014 03:16
Operator : DLV
Sample : 1409499-07
Misc : AECOM
ALS Vial : 45 Sample Multiplier: 1
Quant Time: Oct 03 06:48:10 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409499-07.D\data.ms

(13) acetone

2.219min (+ 0.006) 2.89 ug/L

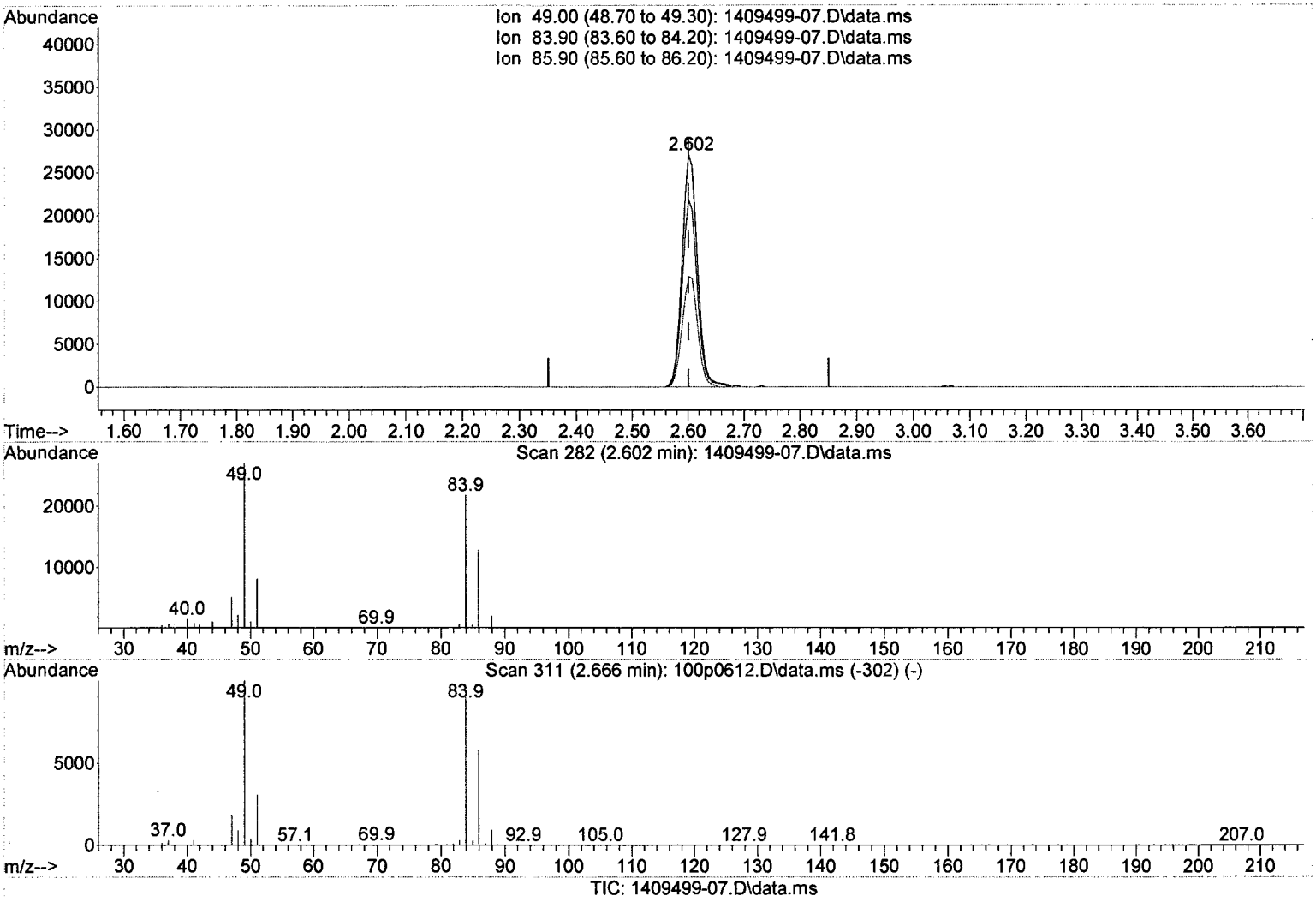
response 6577

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	29.53
0.00	0.00	0.00
0.00	0.00	0.00

001033

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1409499-07.D
Acq On : 03 Oct 2014 03:16
Operator : DLV
Sample : 1409499-07
Misc : AECOM
ALS Vial : 45 Sample Multiplier: 1
Quant Time: Oct 03 06:48:10 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1409499-07.D\data.ms

(17) methylene chloride

2.602min (+ 0.001) 7.05 ug/L

response 51863

Ion	Exp%	Act%
49.00	100.00	100.00
83.90	79.80	78.85
85.90	50.60	47.48
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-08 File ID: 1409499-08.D

Sampled: 09/26/14 09:30 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 11:50

Solids: 96.65 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	23	4.6	5.5	5.5	
71-43-2	Benzene	1	0.55	0.18	0.55	1.1	U
108-86-1	Bromobenzene	1	0.55	0.15	0.55	1.1	U
74-97-5	Bromochloromethane	1	0.55	0.16	0.55	1.1	U
75-27-4	Bromodichloromethane	1	0.55	0.19	0.55	1.1	U
75-25-2	Bromoform	1	0.55	0.39	0.55	1.1	U
74-83-9	Bromomethane	1	0.55	0.36	0.55	1.1	U
104-51-8	n-Butylbenzene	1	0.55	0.29	0.55	1.1	U
135-98-8	sec-Butylbenzene	1	0.55	0.23	0.55	1.1	U
98-06-6	tert-Butylbenzene	1	0.55	0.18	0.55	1.1	U
75-15-0	Carbon Disulfide	1	0.55	0.25	0.55	1.1	U
56-23-5	Carbon Tetrachloride	1	0.55	0.36	0.55	1.1	U
108-90-7	Chlorobenzene	1	0.55	0.17	0.55	1.1	U
75-00-3	Chloroethane	1	1.1	0.55	1.1	1.1	U
67-66-3	Chloroform	1	0.55	0.16	0.55	1.1	U
74-87-3	Chloromethane	1	0.55	0.28	0.55	1.1	U
95-49-8	2-Chlorotoluene	1	0.55	0.32	0.55	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.65	1.1	5.5	U
124-48-1	Dibromochloromethane	1	0.55	0.20	0.55	1.1	U
106-93-4	1,2-Dibromoethane	1	0.55	0.17	0.55	1.1	U
74-95-3	Dibromomethane	1	0.55	0.25	0.55	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.55	0.16	0.55	1.1	U
75-34-3	1,1-Dichloroethane	1	0.55	0.23	0.55	1.1	U
107-06-2	1,2-Dichloroethane	1	0.55	0.25	0.55	1.1	U
75-35-4	1,1-Dichloroethene	1	0.55	0.34	0.55	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.55	0.25	0.55	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.55	0.30	0.55	1.1	U
78-87-5	1,2-Dichloropropane	1	0.55	0.19	0.55	1.1	U
142-28-9	1,3-Dichloropropane	1	0.55	0.16	0.55	1.1	U
594-20-7	2,2-Dichloropropane	1	0.55	0.25	0.55	1.1	U
563-58-6	1,1-Dichloropropene	1	0.55	0.31	0.55	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.12	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.55	0.13	0.55	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-08 File ID: 1409499-08.D

Sampled: 09/26/14 09:30 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 11:50

Solids: 96.65 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.2	0.20	0.55	1.1	
87-68-3	Hexachlorobutadiene	1	0.55	0.23	0.55	1.1	U
591-78-6	2-Hexanone	1	0.55	0.53	0.55	5.5	U
98-82-8	Isopropylbenzene	1	0.22	0.12	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.55	0.26	0.55	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.52	1.1	5.5	JB
78-93-3	2-Butanone (MEK)	1	3.7	1.2	5.5	5.5	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.55	0.43	0.55	5.5	U
91-20-3	Naphthalene	1	0.55	0.18	0.55	5.5	U
103-65-1	n-Propylbenzene	1	0.55	0.13	0.55	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
127-18-4	Tetrachloroethene	1	0.55	0.19	0.55	1.1	U
108-88-3	Toluene	1	1.7	0.11	0.22	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.55	0.31	0.55	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.55	0.19	0.55	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.55	0.16	0.55	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.55	0.24	0.55	1.1	U
79-01-6	Trichloroethene	1	0.55	0.27	0.55	1.1	U
75-69-4	Trichlorofluoromethane	1	0.55	0.19	0.55	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.55	0.25	0.55	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.55	0.13	0.55	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.55	0.21	0.55	1.1	U
75-01-4	Vinyl Chloride	1	0.55	0.22	0.55	1.1	U
179601-23-1	Xylene, Meta + Para	1	4.7	0.16	0.44	2.2	
95-47-6	Xylene, Ortho	1	1.3	0.12	0.22	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.5	104	78 - 119	
1,2-Dichloroethane-d4	40.0	44.1	110	71 - 136	
Toluene-d8	40.0	39.2	98	85 - 116	
4-Bromofluorobenzene	40.0	40.6	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	472294	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB29-15

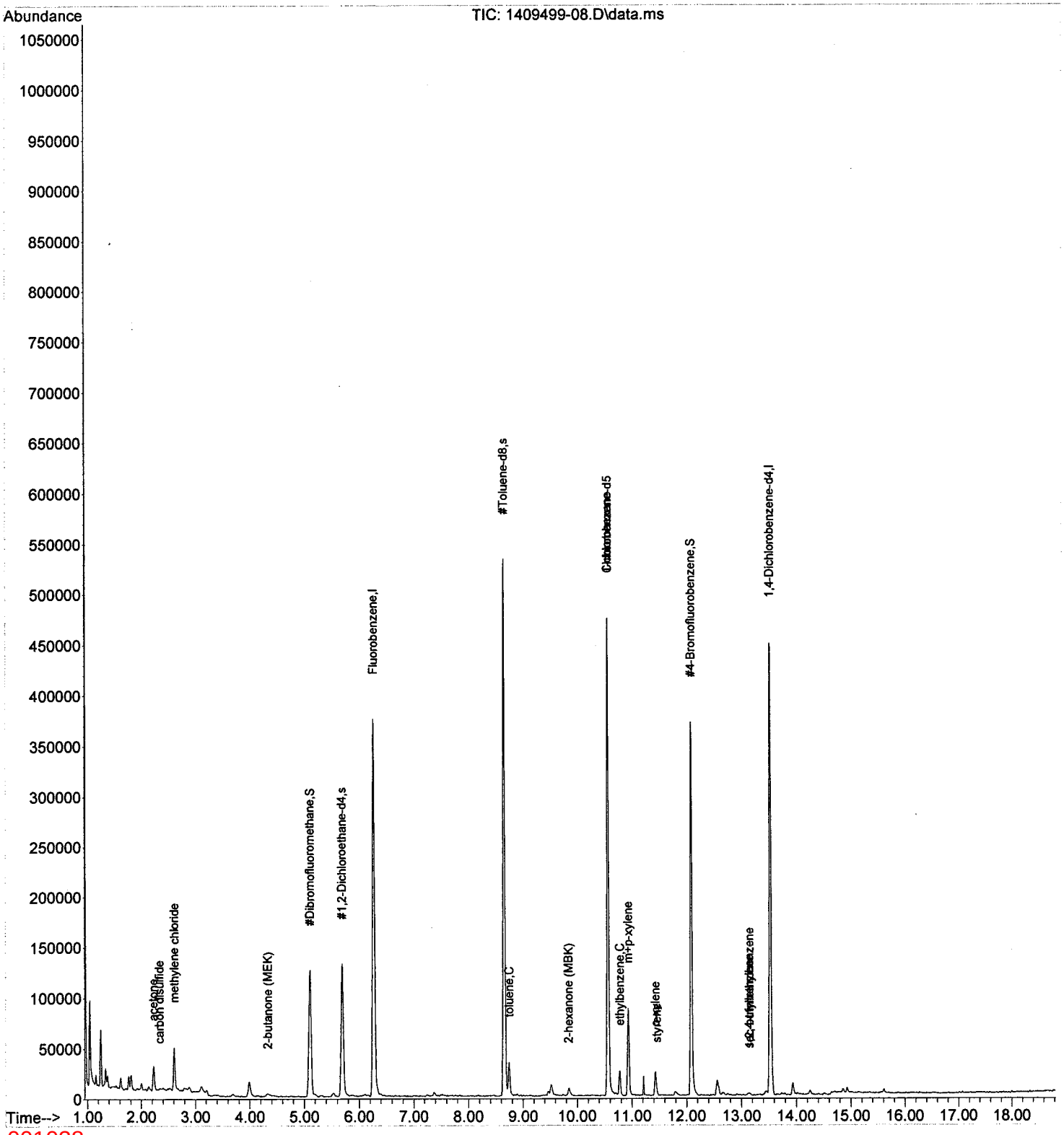
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-08
File ID: 1409499-08.D
Sampled: 09/26/14 09:30
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 11:50
Solids: 96.65
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	325945	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	156775	13.524	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08.D
Acq On : 09 Oct 2014 11:50
Operator : DLV
Sample : 1409499-08
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 09 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08.D
Acq On : 09 Oct 2014 11:50
Operator : DLV
Sample : 1409499-08
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 09 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	472294	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	325945	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	156775	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	121599	41.48	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.70%				
37) #1,2-Dichloroethane-d4	5.690	67	75918	44.10	ug/L		0.00
Spiked Amount 40.000			Recovery = 110.25%				
46) #Toluene-d8	8.654	98	447818	39.21	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.03%				
64) #4-Bromofluorobenzene	12.083	95	163704	40.58	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.45%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.225	43	33118	✓ 20.80	ug/L		97
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	1893	0.20	ug/L	#	75
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	26668	✓ 0.98	ug/L		96
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.331	43	6252	✓ 3.37	ug/L		96
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

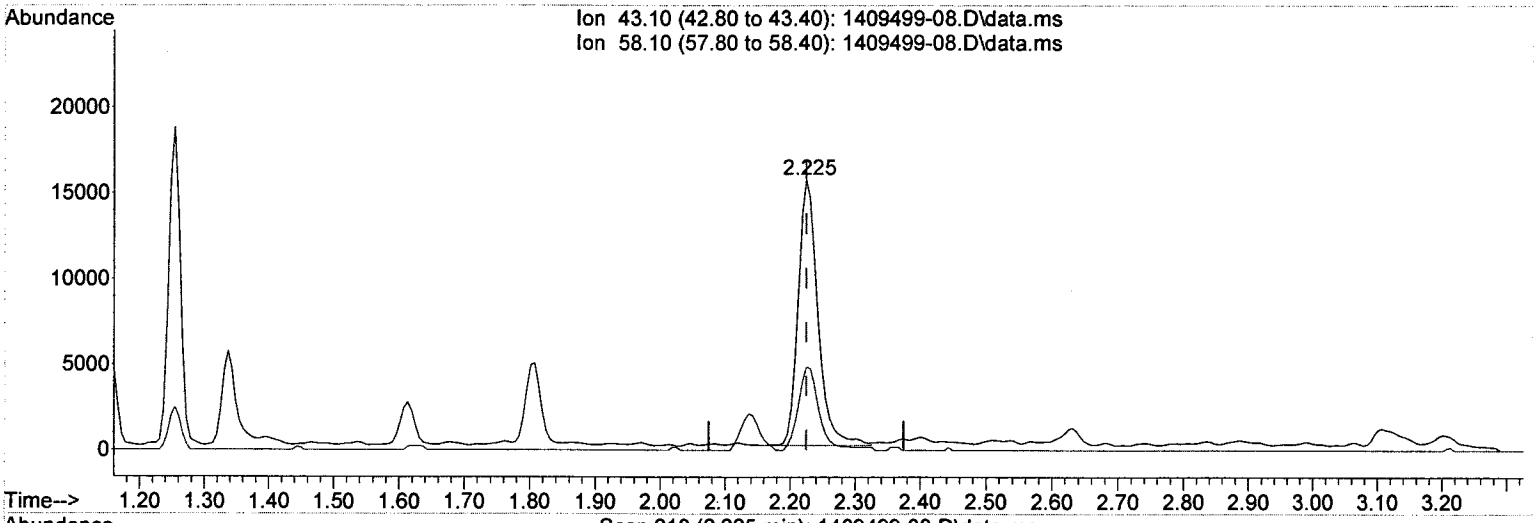
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08.D
Acq On : 09 Oct 2014 11:50
Operator : DLV
Sample : 1409499-08
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 09 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

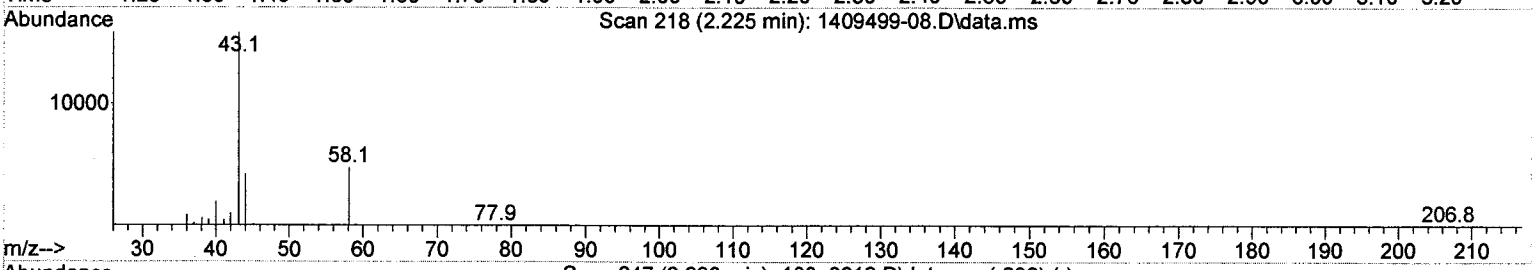
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	8.742	91	26771	1.51	ug/L	98
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	9.842	43	2355	~~0.90~~	ug/L #	4
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.560	55	2657	0.60	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	10.778	91	20679	1.05	ug/L	95
60) m+p-xylene	10.930	106	30595	4.24	ug/L	99
61) o-xylene	11.430	106	7896	1.15	ug/L	95
62) styrene	11.454	104	1790	0.16	ug/L #	15
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	13.148	105	1715	0.11	ug/L #	31
77) sec-butylbenzene	13.148	105	1715	0.09	ug/L #	58
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

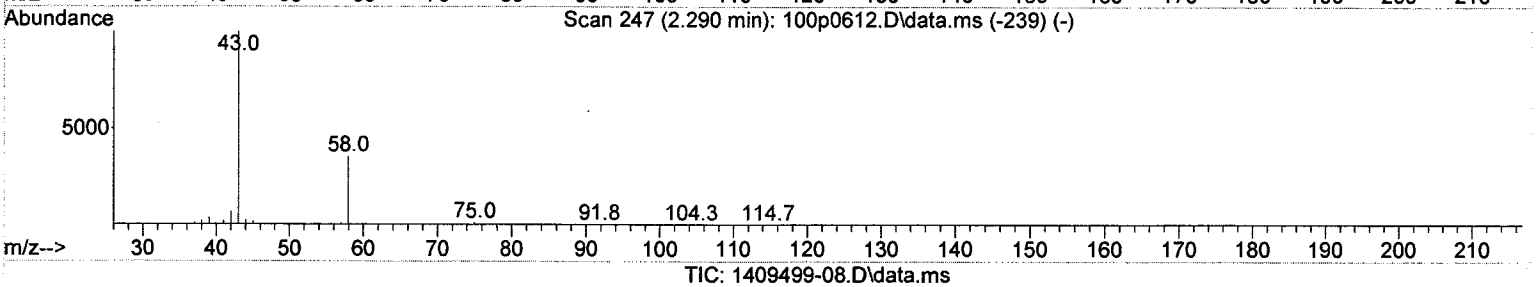
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08.D
Acq On : 09 Oct 2014 11:50
Operator : DLV
Sample : 1409499-08
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 09 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-08.D\data.ms

(13) acetone

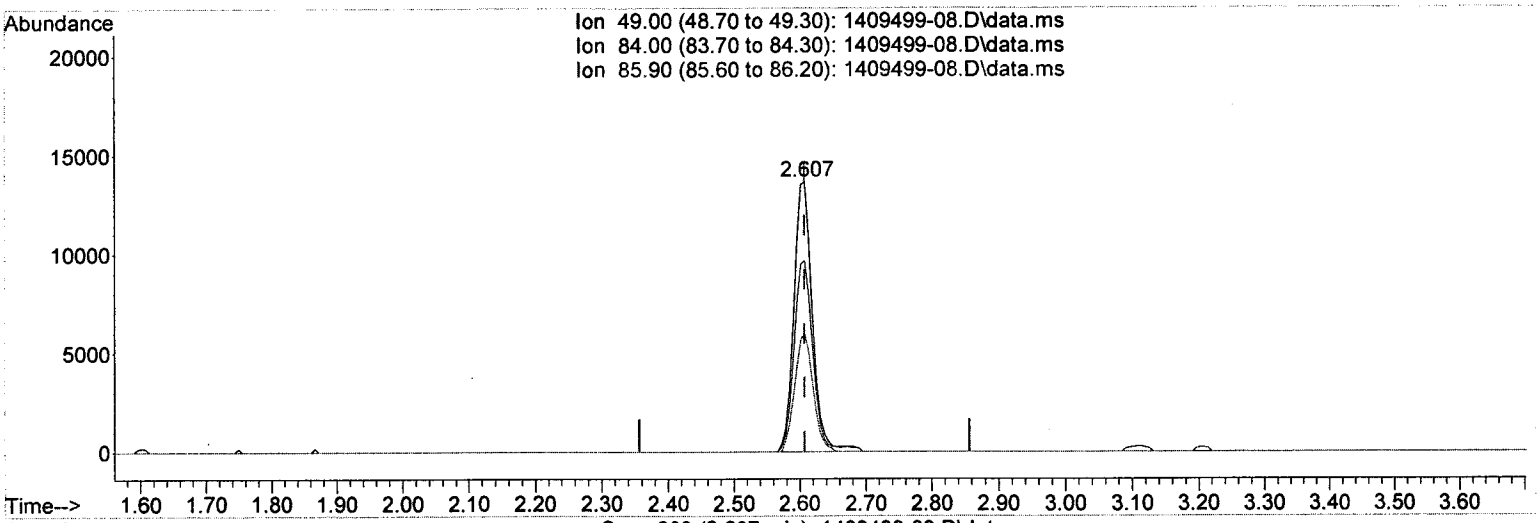
2.225min (+ 0.000) 20.80 ug/L

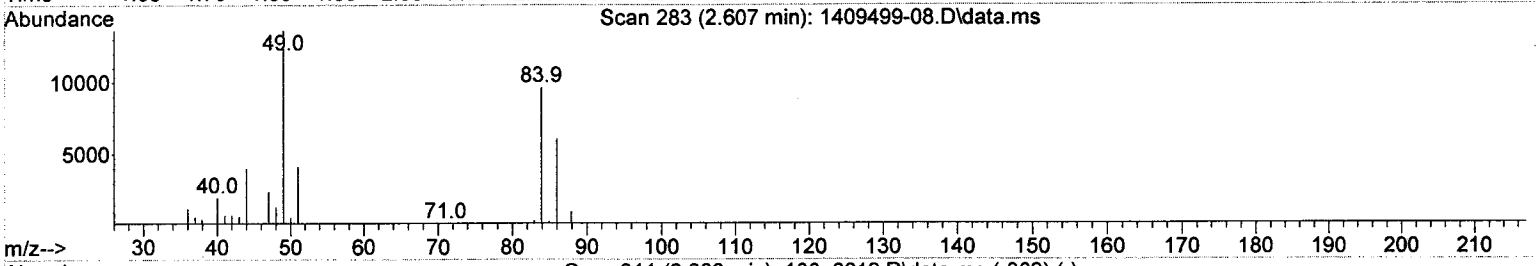
response 33118

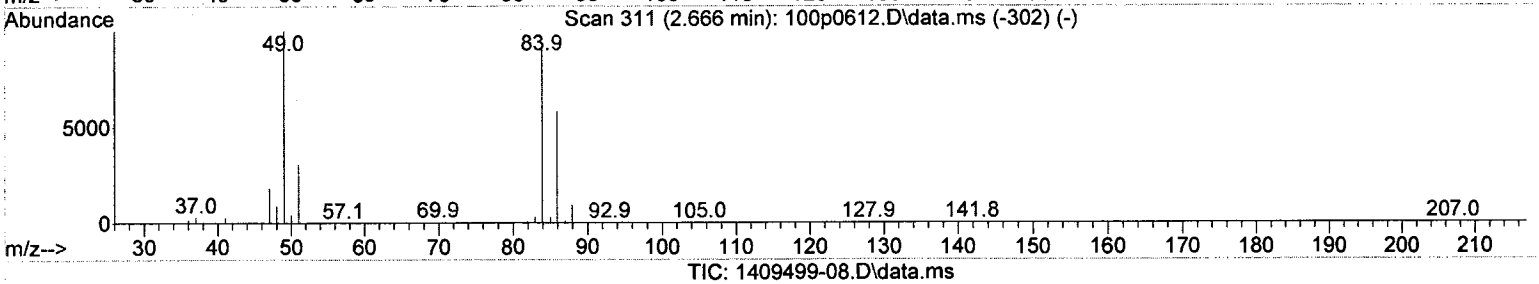
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	33.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08.D
Acq On : 09 Oct 2014 11:50
Operator : DLV
Sample : 1409499-08
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 09 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-08.D\data.ms

(17) methylene chloride

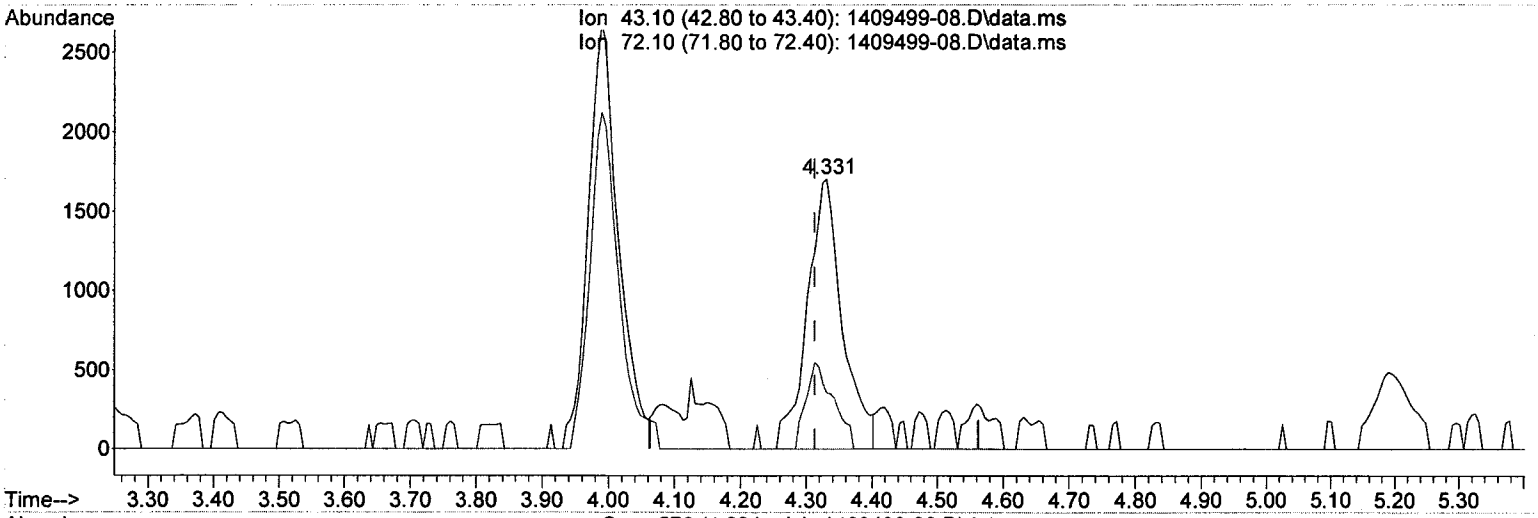
2.607min (+ 0.000) 0.98 ug/L

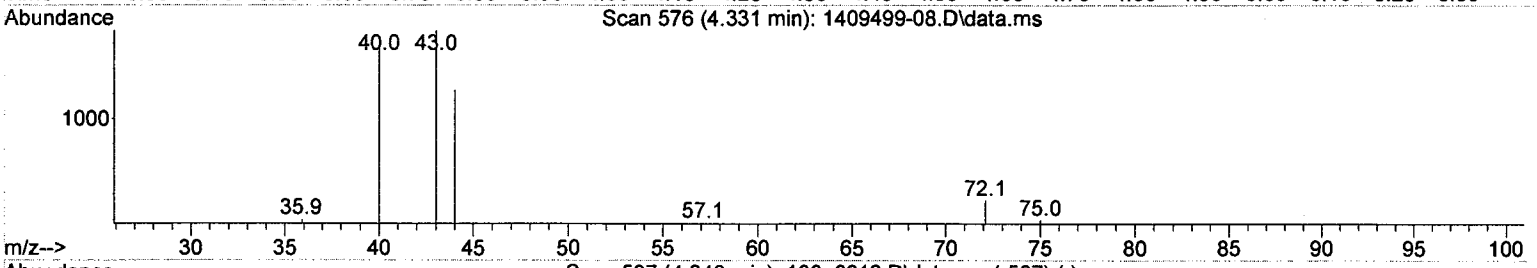
response 26668

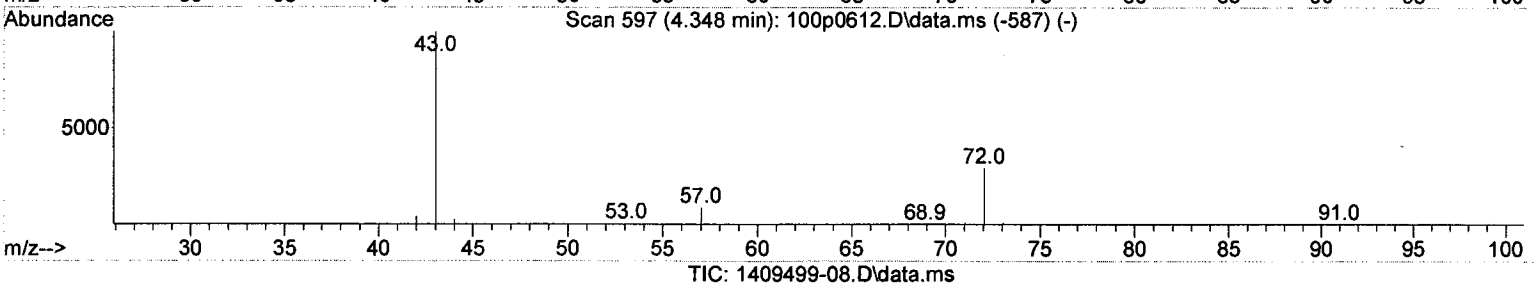
Ion	Exp%	Act%
49.00	100.00	100.00
84.00	74.80	72.65
85.90	48.00	43.58
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08.D
Acq On : 09 Oct 2014 11:50
Operator : DLV
Sample : 1409499-08
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 09 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-08.D\data.ms

(25) 2-butanone (MEK)

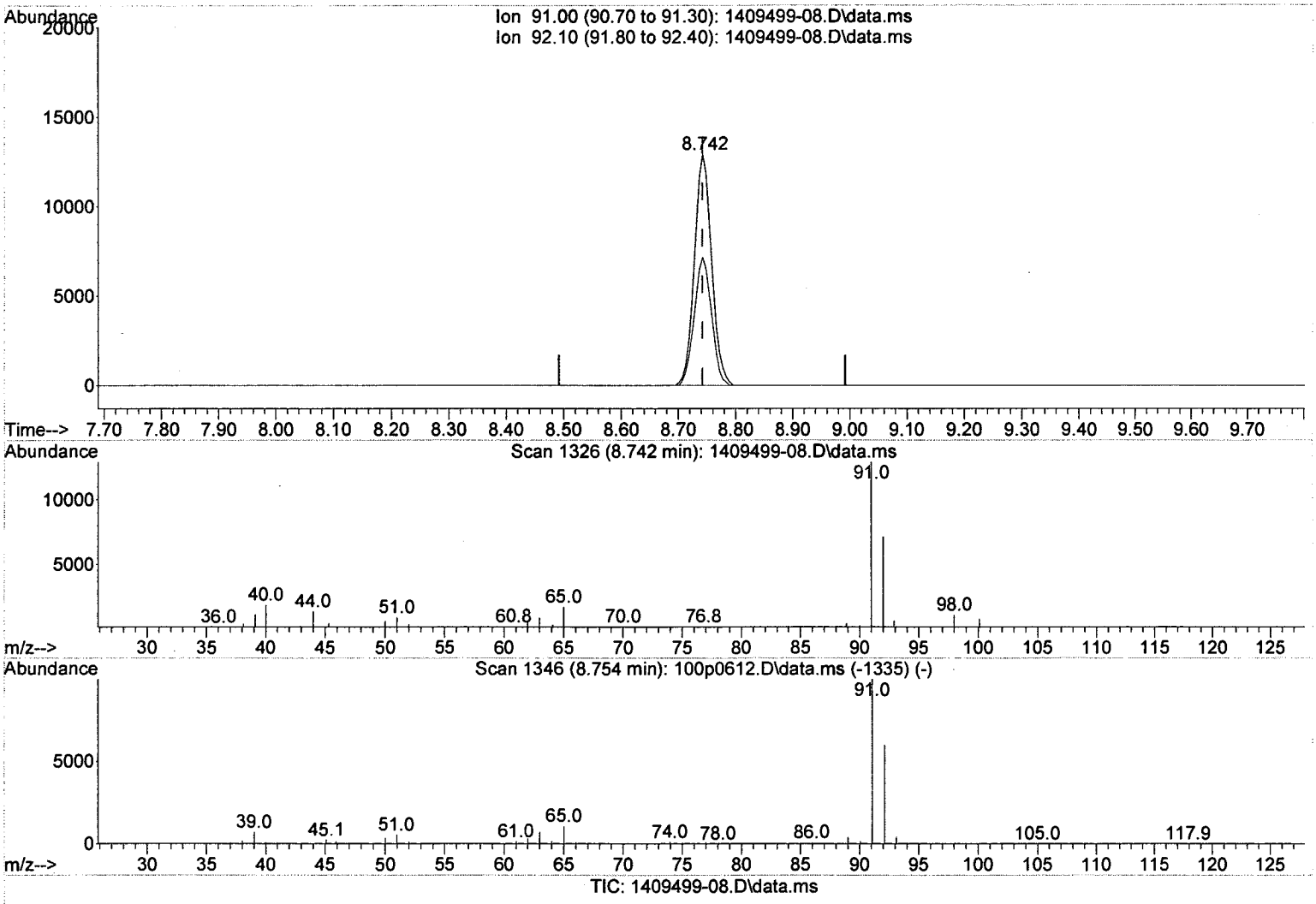
4.331min (+ 0.018) 3.37 ug/L

response 6252

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	25.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08.D
Acq On : 09 Oct 2014 11:50
Operator : DLV
Sample : 1409499-08
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 09 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-08.D\data.ms

(47) toluene (C)

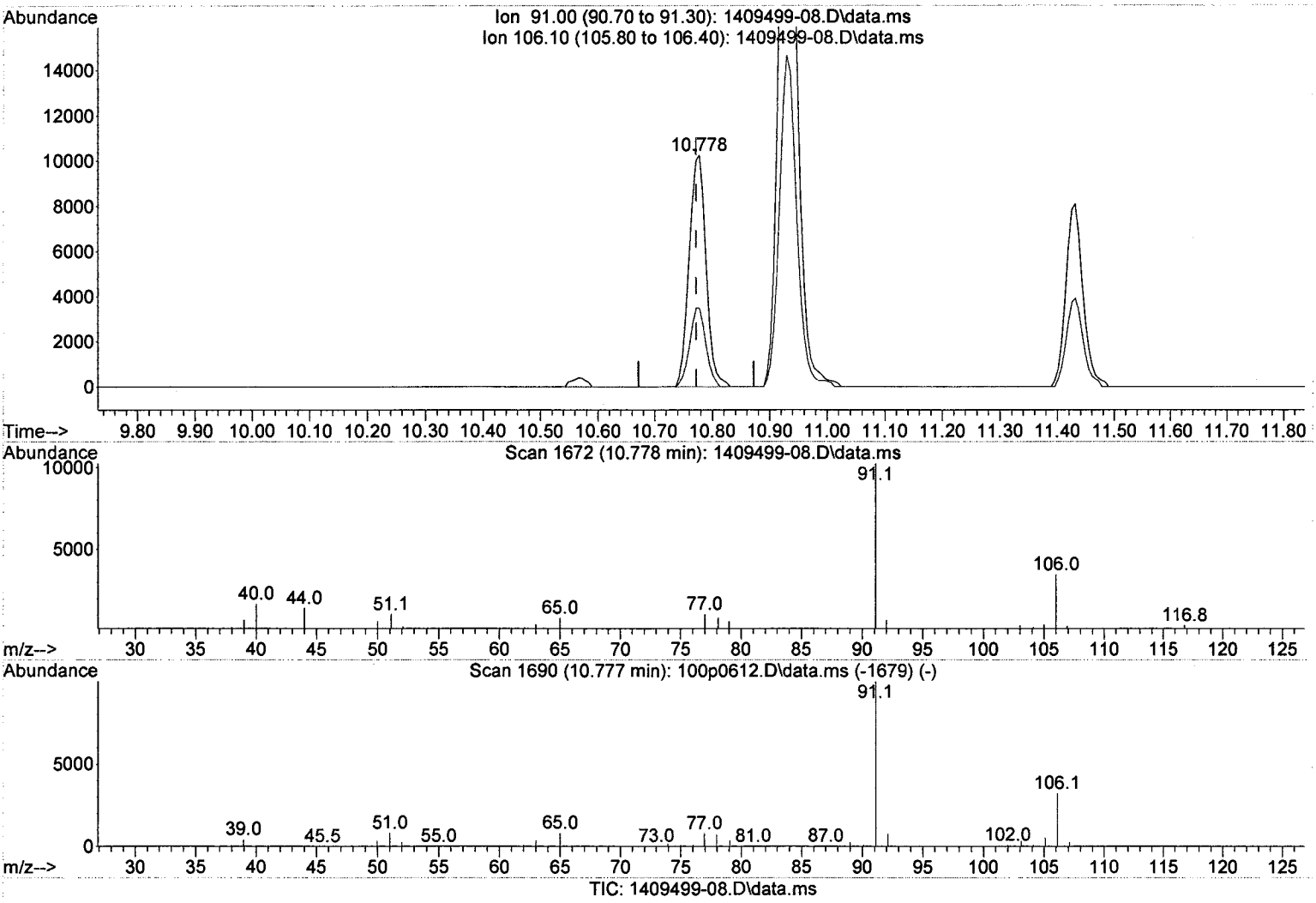
8.742min (+ 0.000) 1.51 ug/L

response 26771

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	55.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08.D
Acq On : 09 Oct 2014 11:50
Operator : DLV
Sample : 1409499-08
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 09 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-08.D\data.ms

(59) ethylbenzene (C)

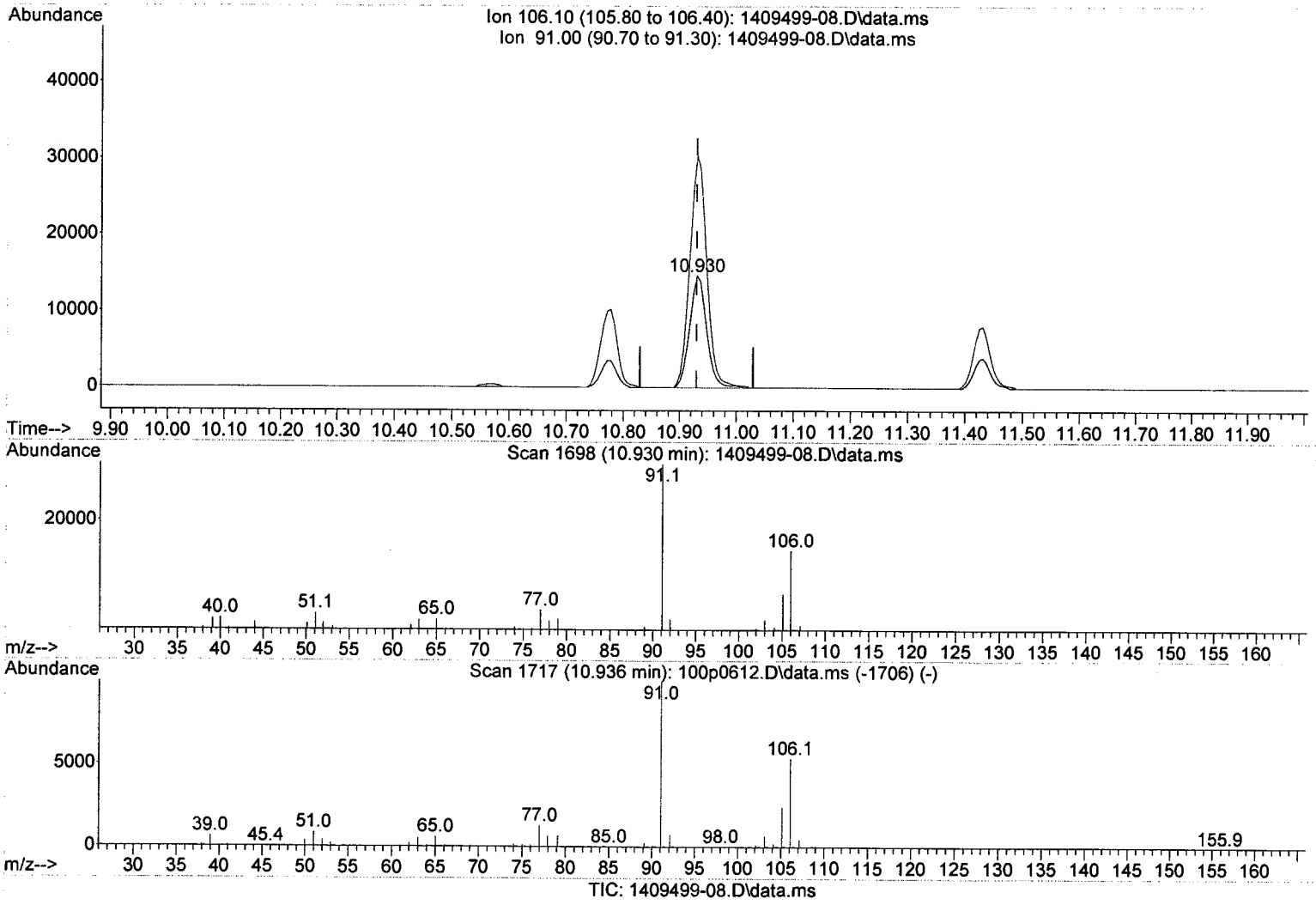
10.778min (+ 0.005) 1.05 ug/L

response 20679

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	32.70
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08.D
Acq On : 09 Oct 2014 11:50
Operator : DLV
Sample : 1409499-08
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 09 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-08.D\data.ms

(60) m+p-xylene

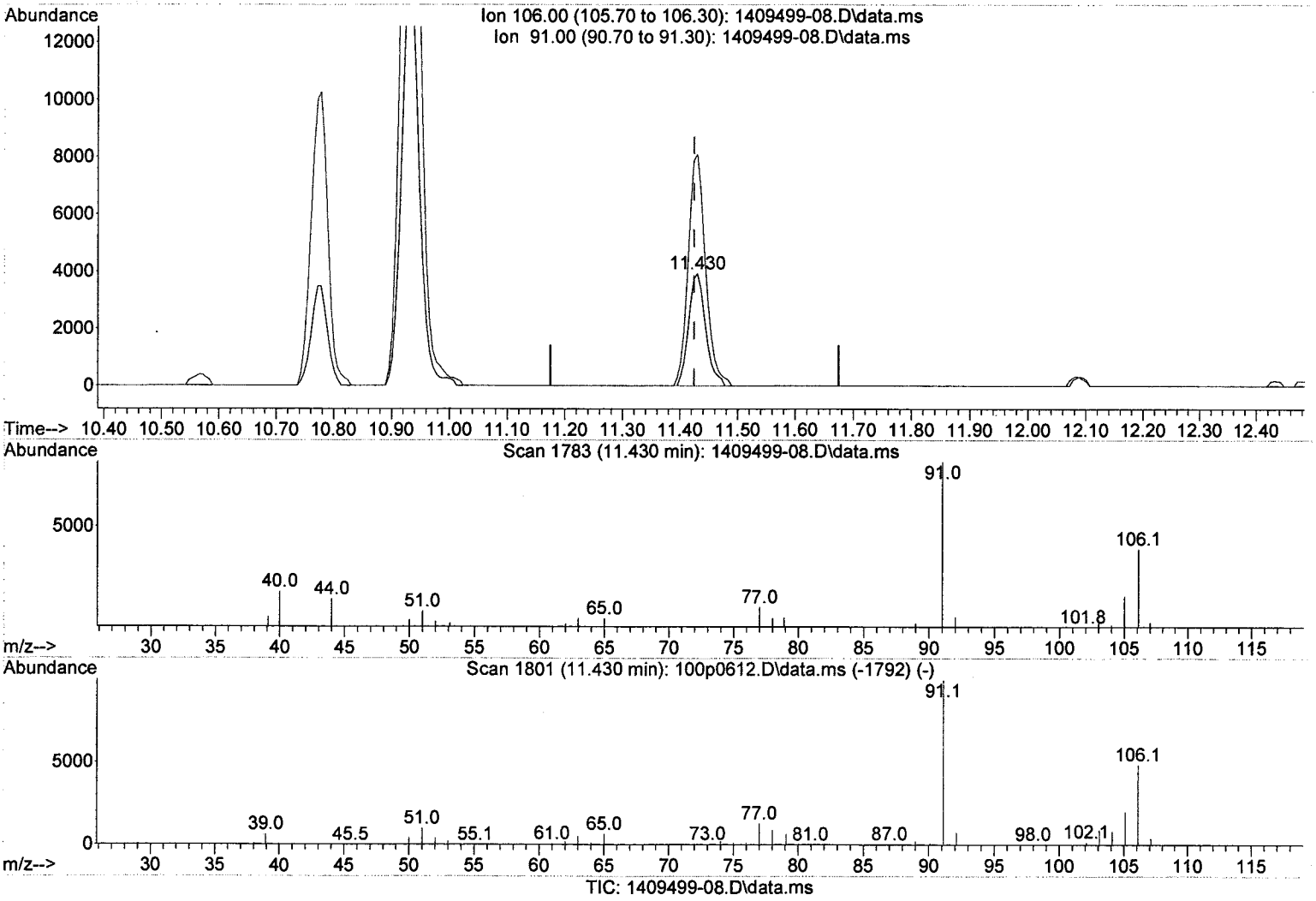
10.930min (+ 0.000) 4.24 ug/L

response 30595

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	206.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08.D
Acq On : 09 Oct 2014 11:50
Operator : DLV
Sample : 1409499-08
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 09 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-08.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 1.15 ug/L

response 7896

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	211.70
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB29-15DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-09 File ID: 1409499-09.D

Sampled: 09/26/14 09:30 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 12:13

Solids: 95.47 Preparation: 5035A Low Concentratio Initial/Final: 4.6 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	27	4.8	5.7	5.7	
71-43-2	Benzene	1	0.57	0.18	0.57	1.1	U
108-86-1	Bromobenzene	1	0.57	0.15	0.57	1.1	U
74-97-5	Bromochloromethane	1	0.57	0.16	0.57	1.1	U
75-27-4	Bromodichloromethane	1	0.57	0.20	0.57	1.1	U
75-25-2	Bromoform	1	0.57	0.41	0.57	1.1	U
74-83-9	Bromomethane	1	0.57	0.37	0.57	1.1	U
104-51-8	n-Butylbenzene	1	0.57	0.29	0.57	1.1	U
135-98-8	sec-Butylbenzene	1	0.57	0.24	0.57	1.1	U
98-06-6	tert-Butylbenzene	1	0.57	0.19	0.57	1.1	U
75-15-0	Carbon Disulfide	1	0.57	0.26	0.57	1.1	U
56-23-5	Carbon Tetrachloride	1	0.57	0.37	0.57	1.1	U
108-90-7	Chlorobenzene	1	0.57	0.17	0.57	1.1	U
75-00-3	Chloroethane	1	1.1	0.57	1.1	1.1	U
67-66-3	Chloroform	1	0.57	0.16	0.57	1.1	U
74-87-3	Chloromethane	1	0.57	0.29	0.57	1.1	U
95-49-8	2-Chlorotoluene	1	0.57	0.33	0.57	1.1	U
106-43-4	4-Chlorotoluene	1	0.23	0.23	0.23	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.67	1.1	5.7	U
124-48-1	Dibromochloromethane	1	0.57	0.21	0.57	1.1	U
106-93-4	1,2-Dibromoethane	1	0.57	0.17	0.57	1.1	U
74-95-3	Dibromomethane	1	0.57	0.26	0.57	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.23	0.11	0.23	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.57	0.16	0.57	1.1	U
75-34-3	1,1-Dichloroethane	1	0.57	0.24	0.57	1.1	U
107-06-2	1,2-Dichloroethane	1	0.57	0.26	0.57	1.1	U
75-35-4	1,1-Dichloroethene	1	0.57	0.35	0.57	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.57	0.26	0.57	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.57	0.31	0.57	1.1	U
78-87-5	1,2-Dichloropropane	1	0.57	0.19	0.57	1.1	U
142-28-9	1,3-Dichloropropane	1	0.57	0.16	0.57	1.1	U
594-20-7	2,2-Dichloropropane	1	0.57	0.26	0.57	1.1	U
563-58-6	1,1-Dichloropropene	1	0.57	0.32	0.57	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.23	0.13	0.23	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.57	0.14	0.57	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB29-15DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-09
File ID: 1409499-09.D
Sampled: 09/26/14 09:30
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 12:13
Solids: 95.47
Preparation: 5035A Low Concentratio
Initial/Final: 4.6 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.1	0.21	0.57	1.1	
87-68-3	Hexachlorobutadiene	1	0.57	0.24	0.57	1.1	U
591-78-6	2-Hexanone	1	0.57	0.55	0.57	5.7	U
98-82-8	Isopropylbenzene	1	0.23	0.13	0.23	1.1	U
99-87-6	4-Isopropyltoluene	1	0.57	0.27	0.57	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.53	1.1	5.7	U
78-93-3	2-Butanone (MEK)	1	3.5	1.3	5.7	5.7	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.57	0.44	0.57	5.7	U
91-20-3	Naphthalene	1	0.57	0.18	0.57	5.7	U
103-65-1	n-Propylbenzene	1	0.57	0.13	0.57	1.1	U
100-42-5	Styrene	1	0.23	0.23	0.23	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.57	0.17	0.57	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.57	0.16	0.57	1.1	U
127-18-4	Tetrachloroethene	1	0.89	0.19	0.57	1.1	J
108-88-3	Toluene	1	1.6	0.11	0.23	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.57	0.33	0.57	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.57	0.19	0.57	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.57	0.16	0.57	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.57	0.24	0.57	1.1	U
79-01-6	Trichloroethene	1	0.57	0.28	0.57	1.1	U
75-69-4	Trichlorofluoromethane	1	0.57	0.20	0.57	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.57	0.26	0.57	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.57	0.13	0.57	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.57	0.22	0.57	1.1	U
75-01-4	Vinyl Chloride	1	0.57	0.23	0.57	1.1	U
179601-23-1	Xylene, Meta + Para	1	4.1	0.16	0.46	2.3	
95-47-6	Xylene, Ortho	1	1.1	0.13	0.23	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.7	104	78 - 119	
1,2-Dichloroethane-d4	40.0	43.6	109	71 - 136	
Toluene-d8	40.0	40.1	100	85 - 116	
4-Bromofluorobenzene	40.0	40.3	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	412976	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB29-15DUP

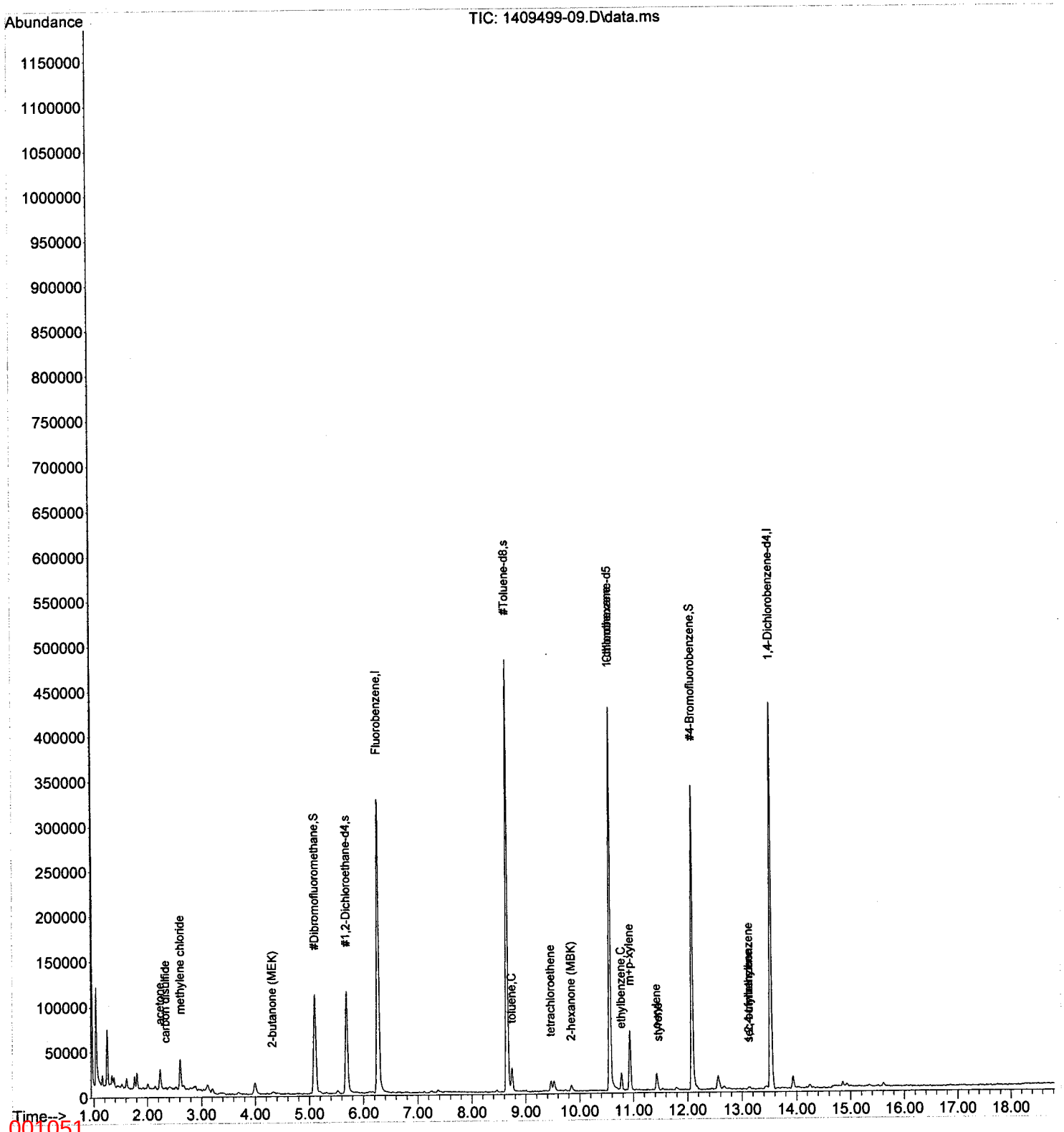
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-09
File ID: 1409499-09.D
Sampled: 09/26/14 09:30
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 12:13
Solids: 95.47
Preparation: 5035A Low Concentratio
Initial/Final: 4.6 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	302204	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	148482	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-09.D
Acq On : 09 Oct 2014 12:13
Operator : DLV
Sample : 1409499-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 09 12:34:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-09.D
Acq On : 09 Oct 2014 12:13
Operator : DLV
Sample : 1409499-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 09 12:34:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	412976	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	302204	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	148482	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	106900	41.70	ug/L		0.00
Spiked Amount 40.000			Recovery = 104.25%				
37) #1,2-Dichloroethane-d4	5.690	67	65667	43.62	ug/L		0.00
Spiked Amount 40.000			Recovery = 109.05%				
46) #Toluene-d8	8.654	98	400894	40.14	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.35%				
64) #4-Bromofluorobenzene	12.083	95	150853	40.34	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.85%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	31760	23.42	ug/L		95
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	1571	0.19	ug/L	#	75
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	19831	0.26	ug/L		100
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.319	43	4985	3.07	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

001052

Quantitation Report (Not Reviewed)

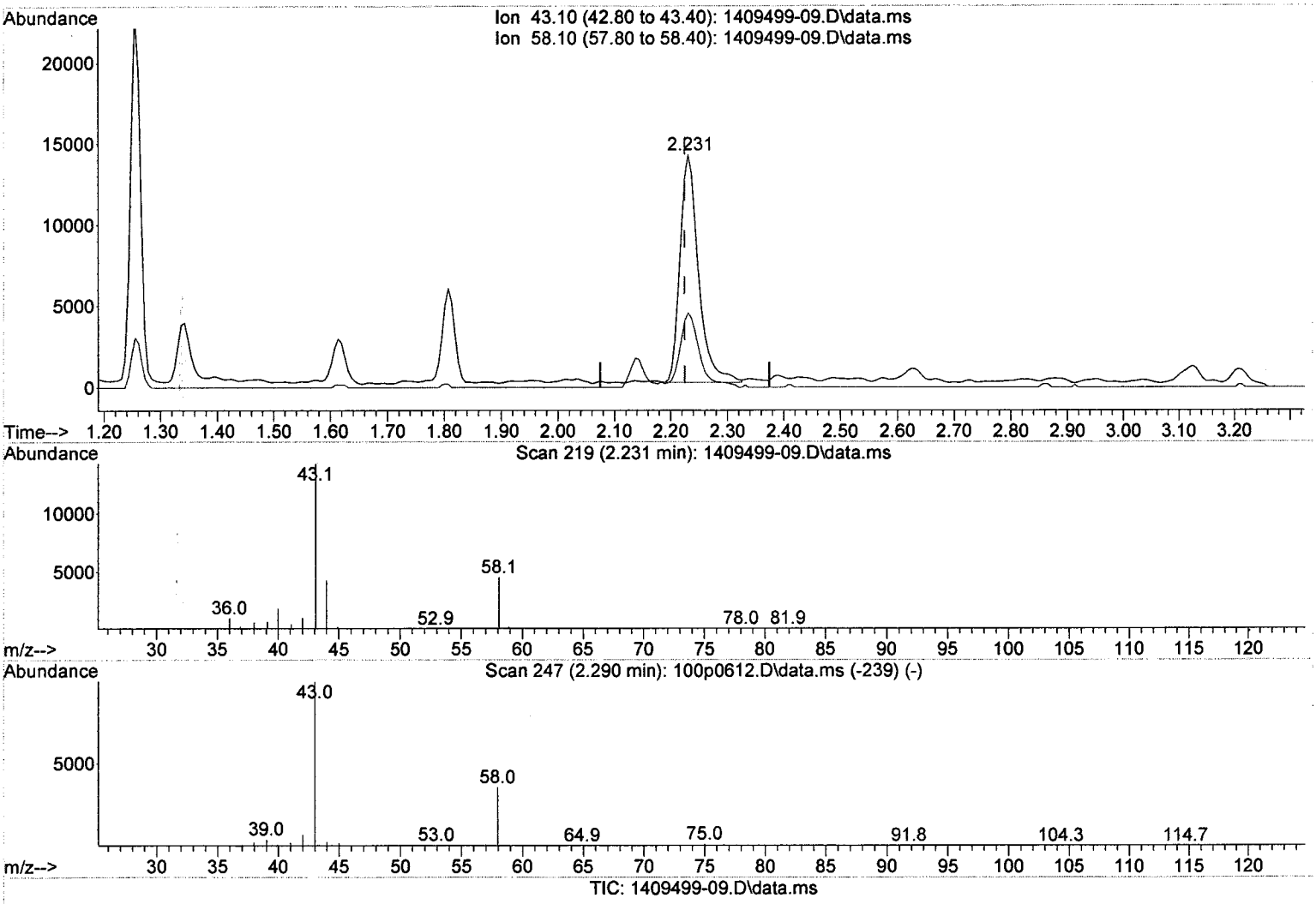
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-09.D
Acq On : 09 Oct 2014 12:13
Operator : DLV
Sample : 1409499-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 09 12:34:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	21800	1.41 ug/L	97
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	9.466	166	3467	0.78 ug/L	86
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.848	43	2233	~~0.92~~ ug/L #	20
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2673	0.65 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	16974	0.93 ug/L	99
60) m+p-xylene	10.930	106	24319	3.63 ug/L	95
61) o-xylene	11.430	106	6182	0.97 ug/L	96
62) styrene	11.460	104	1853	0.17 ug/L #	32
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.130	105	1681	~~0.12~~ ug/L #	31
77) sec-butylbenzene	13.130	105	1681	0.09 ug/L #	58
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-09.D
Acq On : 09 Oct 2014 12:13
Operator : DLV
Sample : 1409499-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 09 12:34:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-09.D\data.ms

(13) acetone

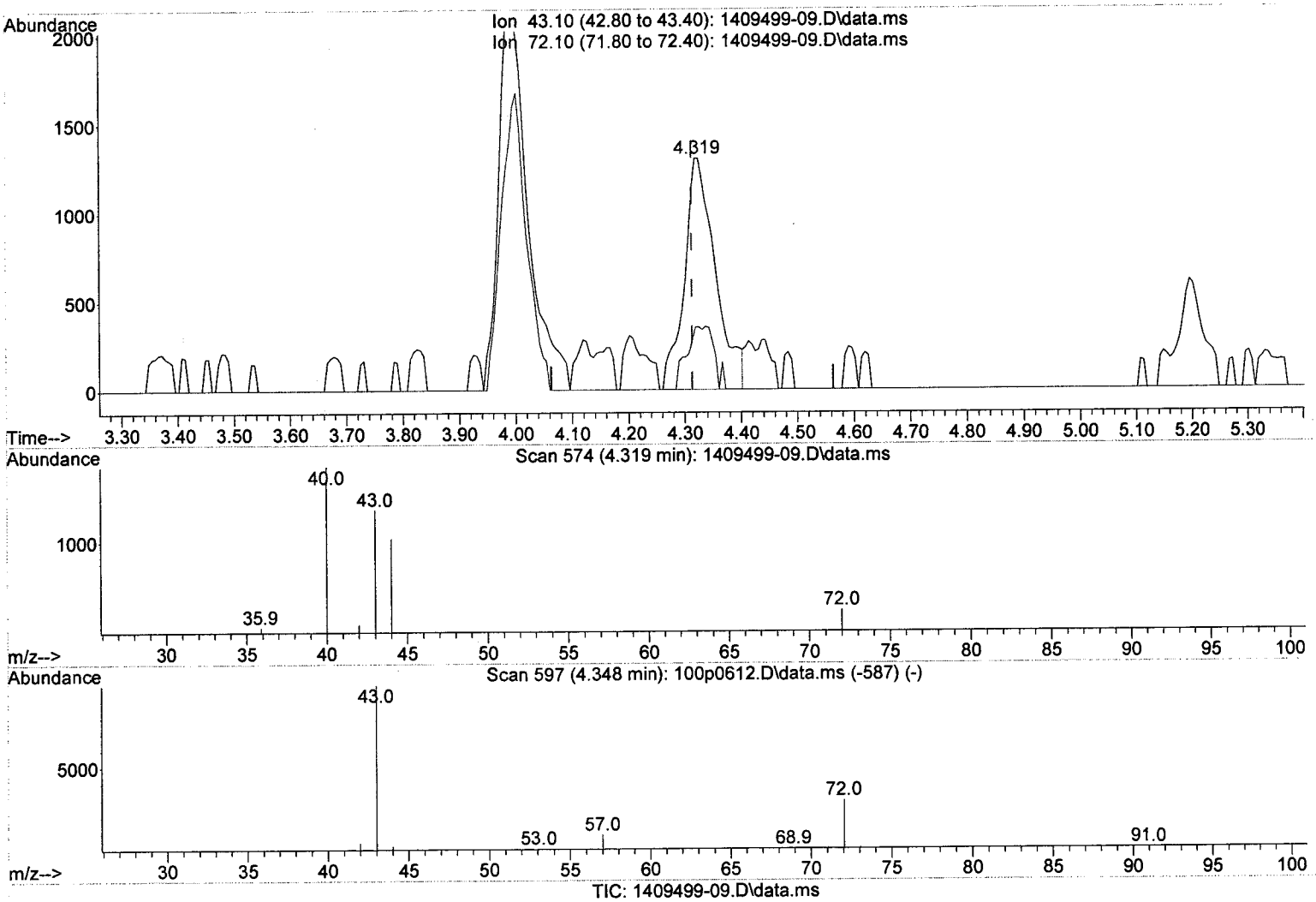
2.231min (+ 0.006) 23.42 ug/L

response 31760

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	34.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-09.D
Acq On : 09 Oct 2014 12:13
Operator : DLV
Sample : 1409499-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 09 12:34:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(25) 2-butanone (MEK)

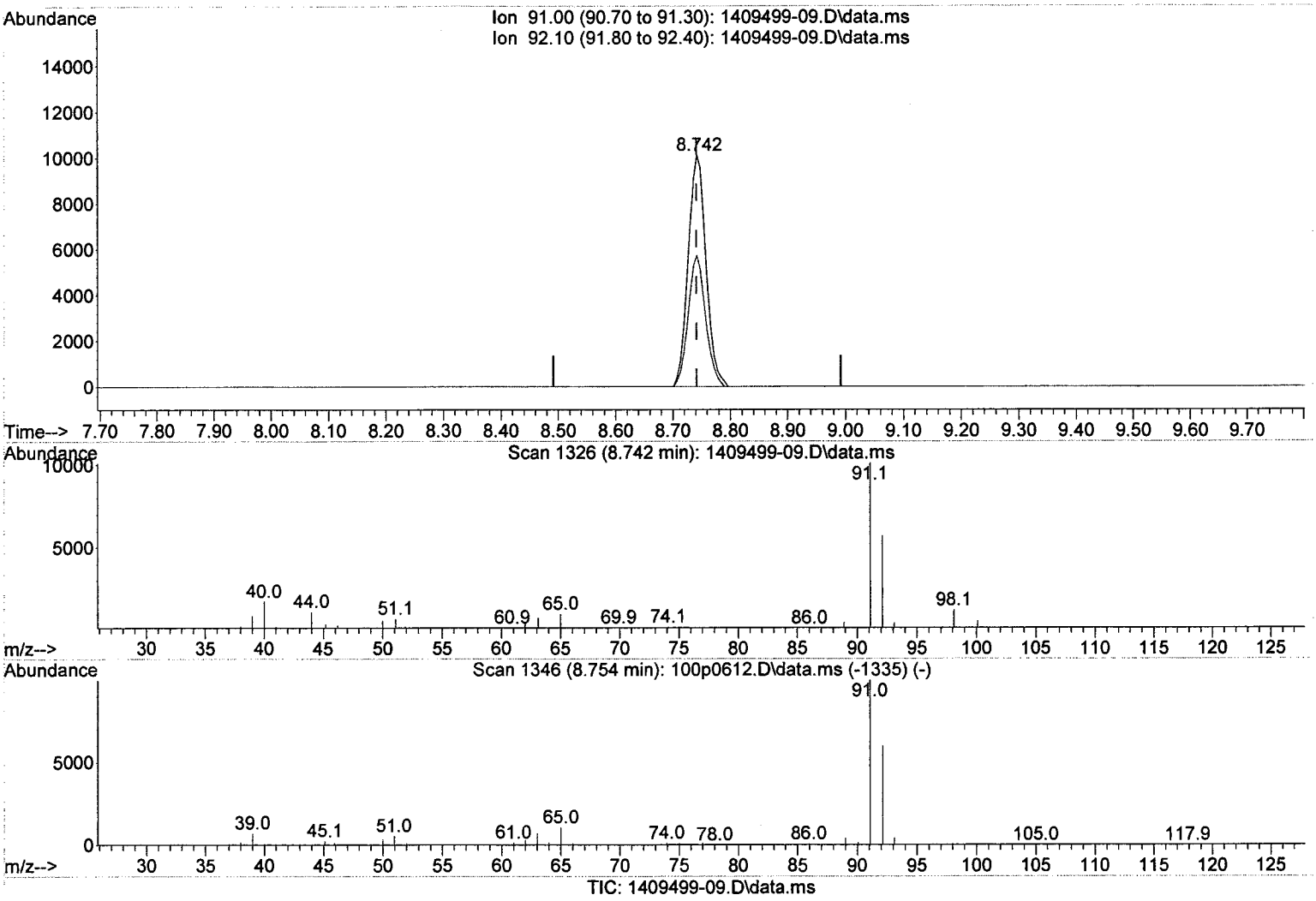
4.319min (+ 0.006) 3.07 ug/L

response 4985

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-09.D
Acq On : 09 Oct 2014 12:13
Operator : DLV
Sample : 1409499-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 09 12:34:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-09.D\data.ms

(47) toluene (C)

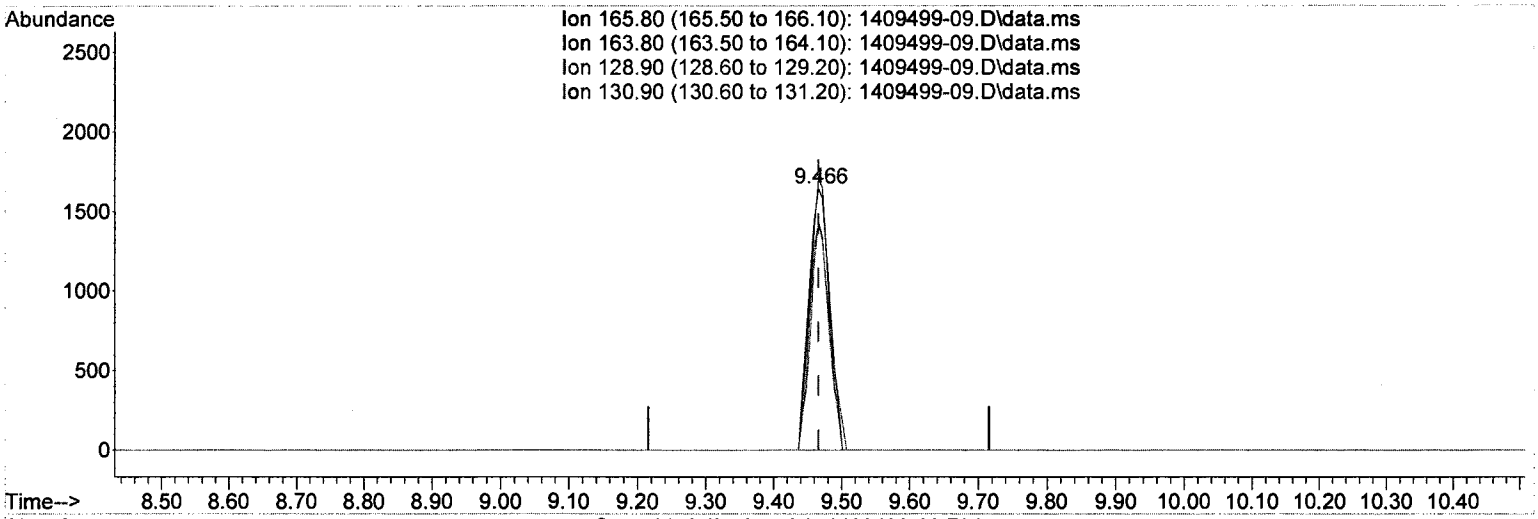
8.742min (+ 0.000) 1.41 ug/L

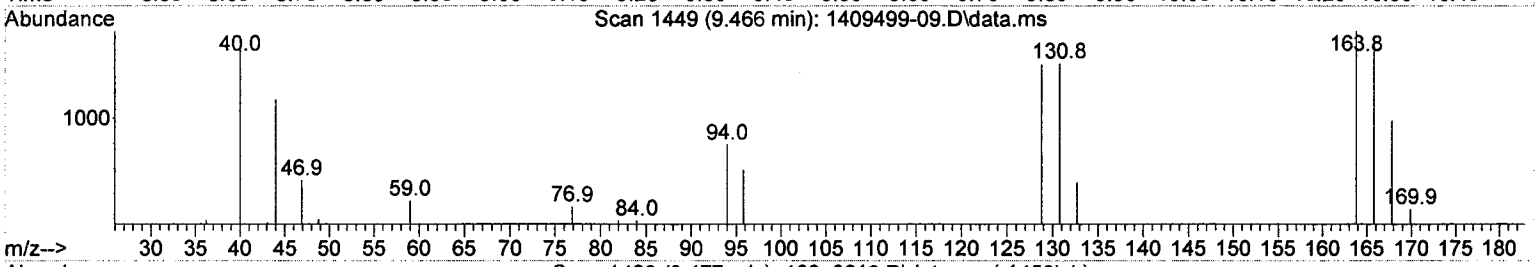
response 21800

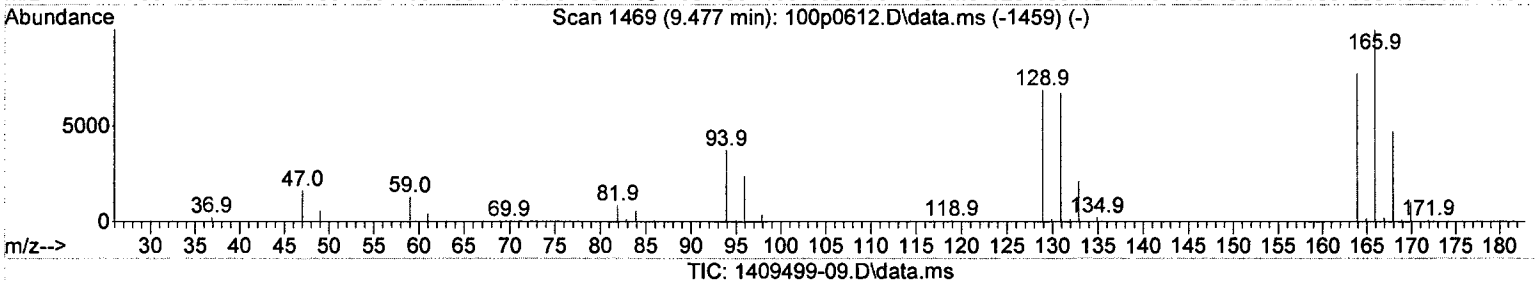
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	55.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-09.D
Acq On : 09 Oct 2014 12:13
Operator : DLV
Sample : 1409499-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 09 12:34:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-09.D\data.ms

(51) tetrachloroethene

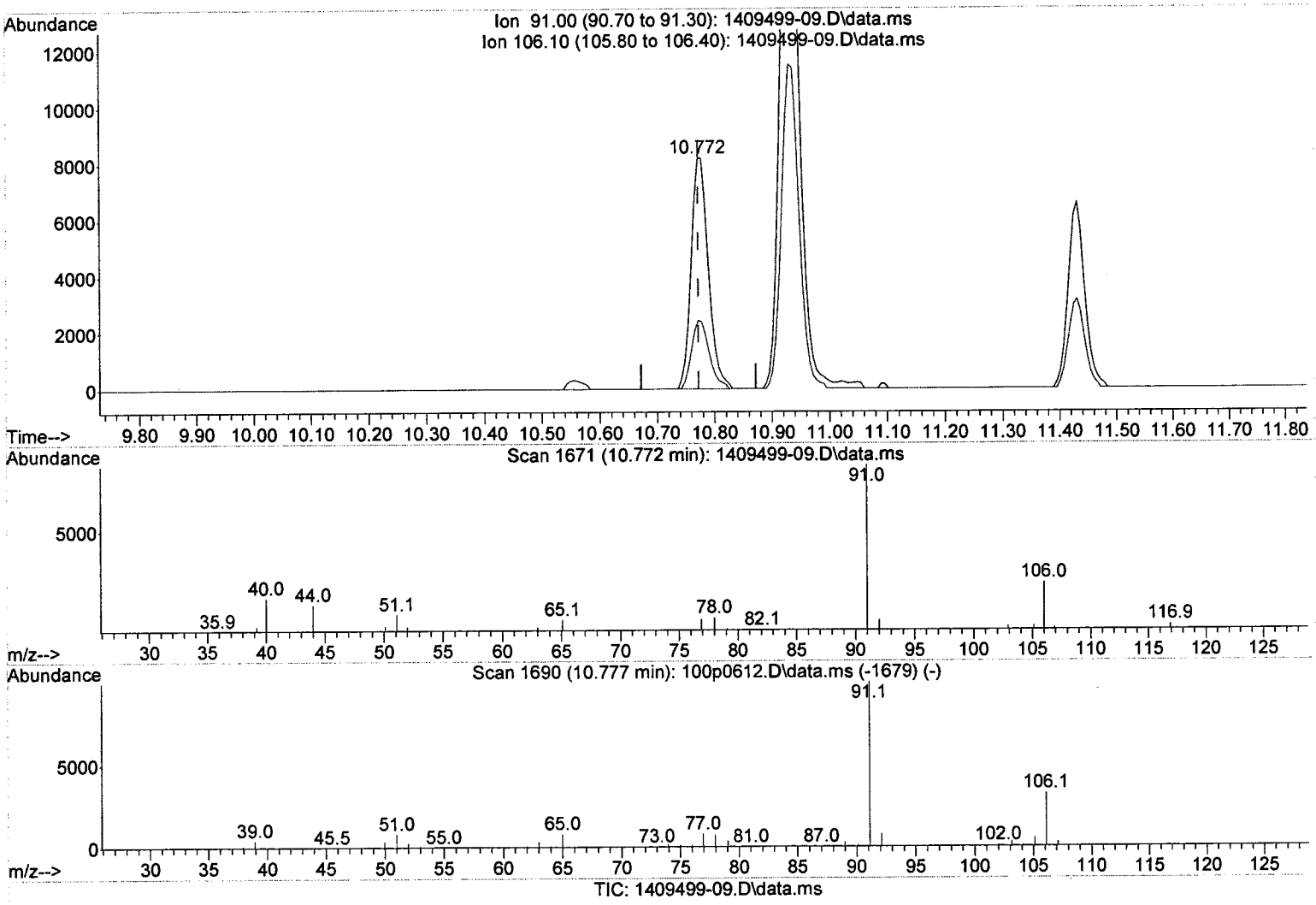
9.466min (-0.000) 0.78 ug/L

response 3467

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	94.23
128.90	74.10	85.43
130.90	70.00	76.52

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-09.D
Acq On : 09 Oct 2014 12:13
Operator : DLV
Sample : 1409499-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 09 12:34:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-09.D\data.ms

(59) ethylbenzene (C)

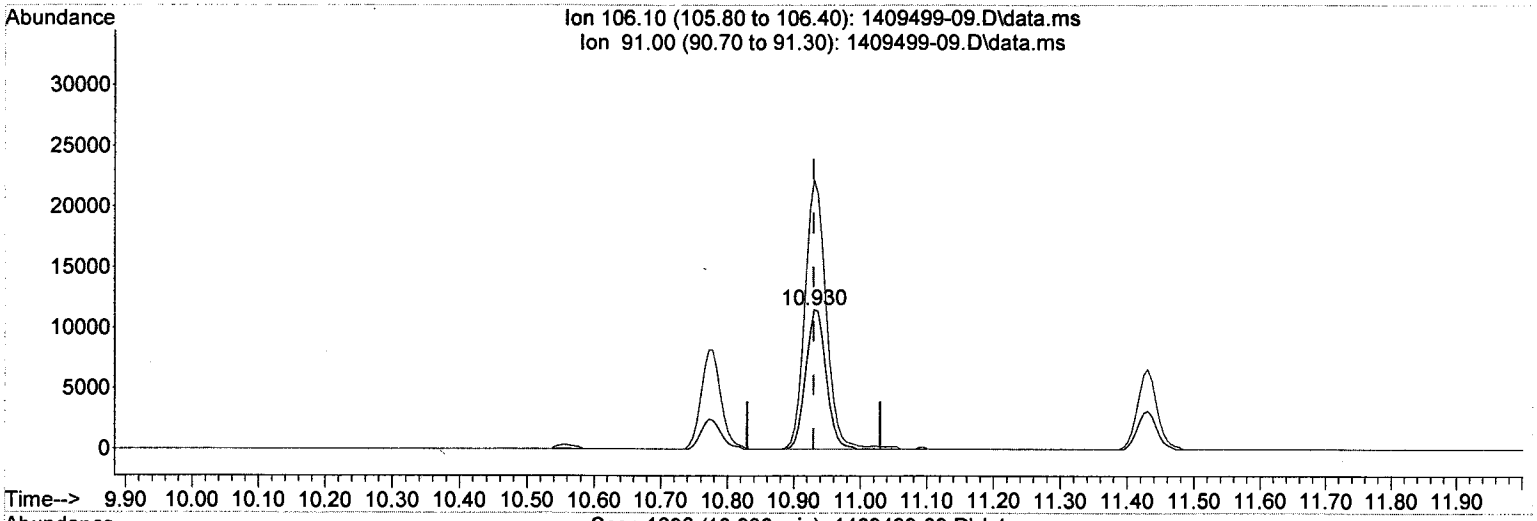
10.772min (-0.000) 0.93 ug/L

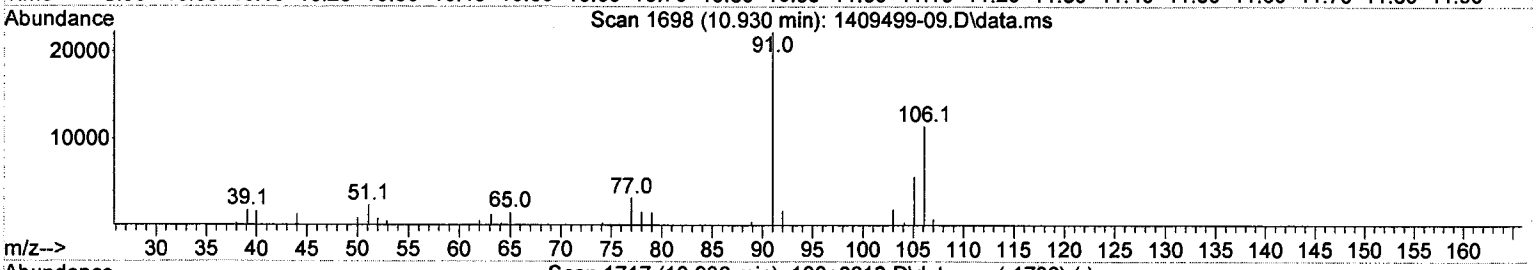
response 16974

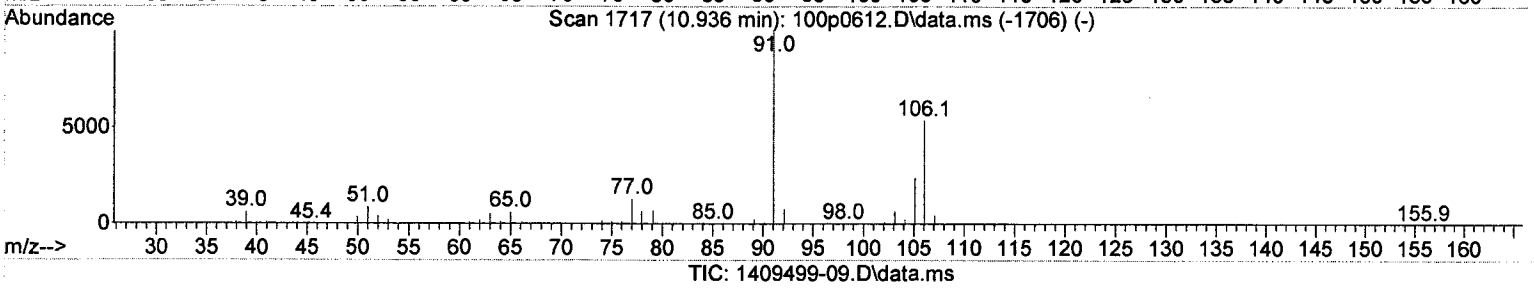
Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	30.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-09.D
Acq On : 09 Oct 2014 12:13
Operator : DLV
Sample : 1409499-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 09 12:34:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1409499-09.D\data.ms

(60) m+p-xylene

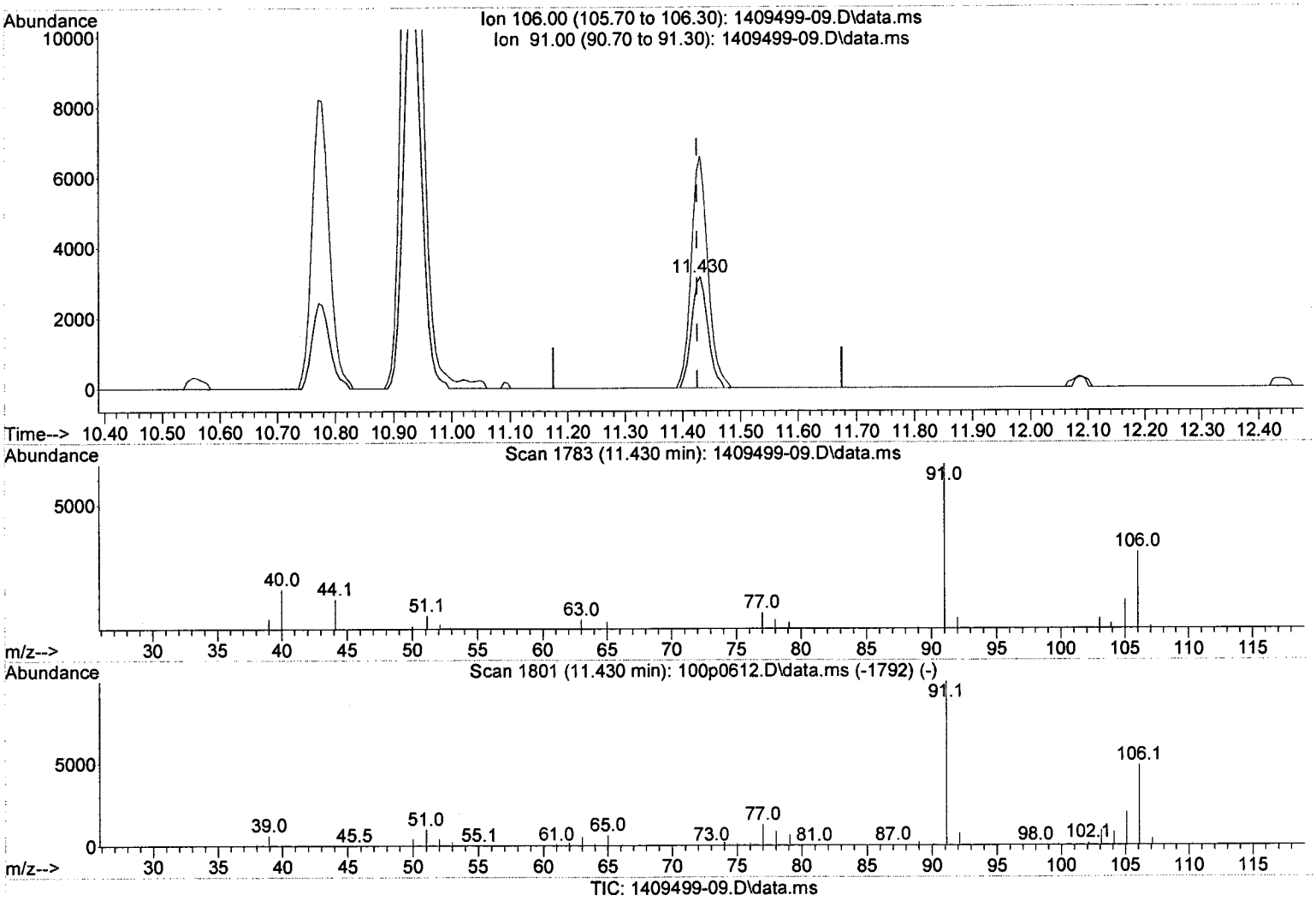
10.930min (+ 0.000) 3.63 ug/L

response 24319

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	200.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-09.D
Acq On : 09 Oct 2014 12:13
Operator : DLV
Sample : 1409499-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 09 12:34:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(61) o-xylene

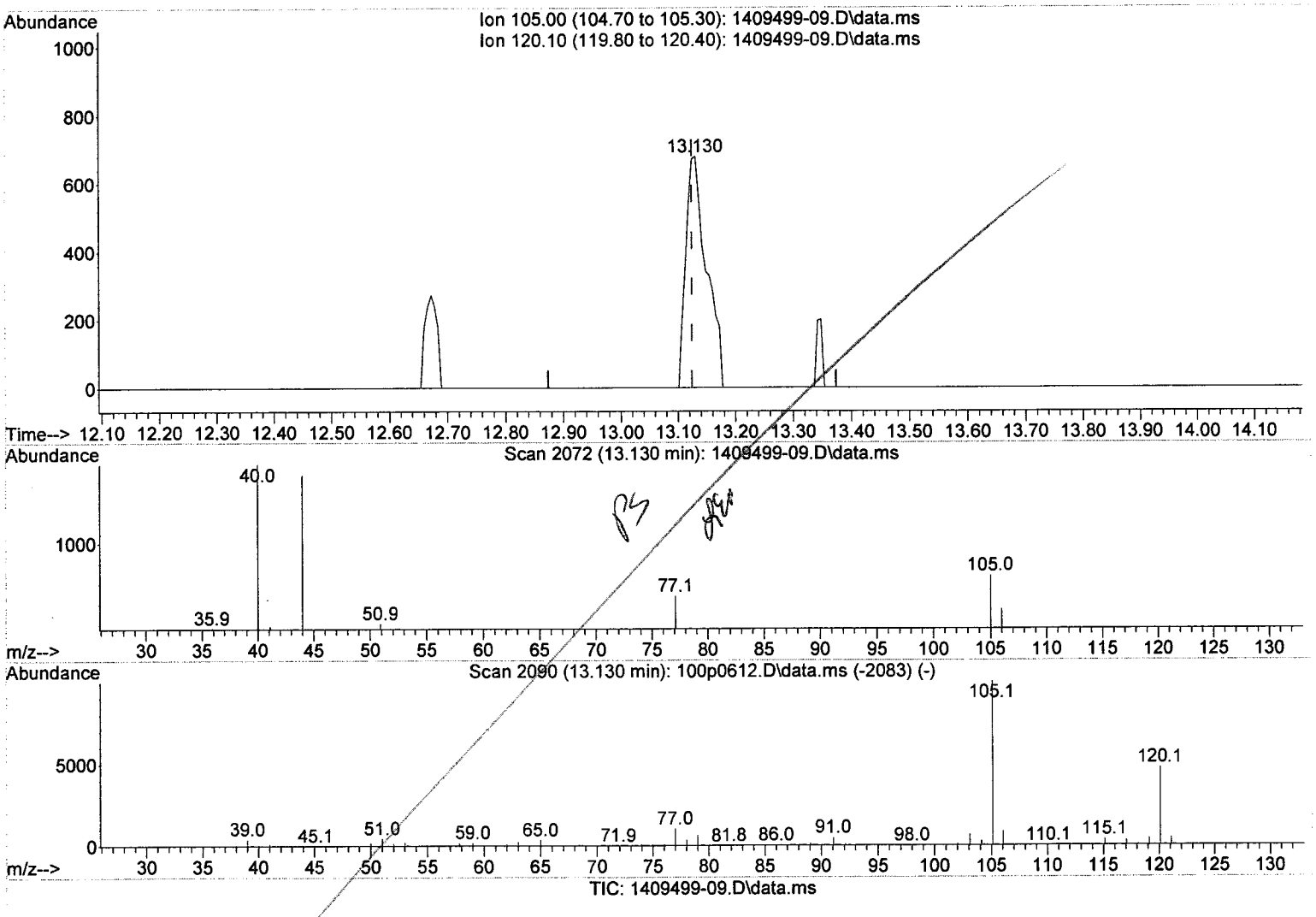
11.430min (+ 0.005) 0.97 ug/L

response 6182

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	213.35
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-09.D
Acq On : 09 Oct 2014 12:13
Operator : DLV
Sample : 1409499-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 09 12:34:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(76) 1,2,4-trimethylbenzene

13.130min (+ 0.006) 0.12 ug/L

response 1681

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	45.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB29-44

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-10 File ID: 1409499-10.D

Sampled: 09/26/14 10:20 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 12:37

Solids: 95.72 Preparation: 5035A Low Concentratio Initial/Final: 4.6 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	11	4.8	5.7	5.7	
71-43-2	Benzene	1	0.57	0.18	0.57	1.1	U
108-86-1	Bromobenzene	1	0.57	0.15	0.57	1.1	U
74-97-5	Bromochloromethane	1	0.57	0.16	0.57	1.1	U
75-27-4	Bromodichloromethane	1	0.57	0.20	0.57	1.1	U
75-25-2	Bromoform	1	0.57	0.41	0.57	1.1	U
74-83-9	Bromomethane	1	0.57	0.37	0.57	1.1	U
104-51-8	n-Butylbenzene	1	0.57	0.29	0.57	1.1	U
135-98-8	sec-Butylbenzene	1	0.57	0.24	0.57	1.1	U
98-06-6	tert-Butylbenzene	1	0.57	0.19	0.57	1.1	U
75-15-0	Carbon Disulfide	1	0.57	0.26	0.57	1.1	U
56-23-5	Carbon Tetrachloride	1	0.57	0.37	0.57	1.1	U
108-90-7	Chlorobenzene	1	0.57	0.17	0.57	1.1	U
75-00-3	Chloroethane	1	1.1	0.57	1.1	1.1	U
67-66-3	Chloroform	1	0.57	0.16	0.57	1.1	U
74-87-3	Chloromethane	1	0.57	0.29	0.57	1.1	U
95-49-8	2-Chlorotoluene	1	0.57	0.33	0.57	1.1	U
106-43-4	4-Chlorotoluene	1	0.23	0.23	0.23	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.67	1.1	5.7	U
124-48-1	Dibromochloromethane	1	0.57	0.21	0.57	1.1	U
106-93-4	1,2-Dibromoethane	1	0.57	0.17	0.57	1.1	U
74-95-3	Dibromomethane	1	0.57	0.26	0.57	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.23	0.11	0.23	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.57	0.16	0.57	1.1	U
75-34-3	1,1-Dichloroethane	1	0.57	0.24	0.57	1.1	U
107-06-2	1,2-Dichloroethane	1	0.57	0.26	0.57	1.1	U
75-35-4	1,1-Dichloroethene	1	0.57	0.35	0.57	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.57	0.26	0.57	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.57	0.31	0.57	1.1	U
78-87-5	1,2-Dichloropropane	1	0.57	0.19	0.57	1.1	U
142-28-9	1,3-Dichloropropane	1	0.57	0.16	0.57	1.1	U
594-20-7	2,2-Dichloropropane	1	0.57	0.26	0.57	1.1	U
563-58-6	1,1-Dichloropropene	1	0.57	0.32	0.57	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.23	0.13	0.23	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.57	0.14	0.57	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB29-44

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-10
File ID: 1409499-10.D
Sampled: 09/26/14 10:20
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 12:37
Solids: 95.72
Preparation: 5035A Low Concentratio
Initial/Final: 4.6 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.1	0.21	0.57	1.1	
87-68-3	Hexachlorobutadiene	1	0.57	0.24	0.57	1.1	U
591-78-6	2-Hexanone	1	0.57	0.55	0.57	5.7	U
98-82-8	Isopropylbenzene	1	0.23	0.13	0.23	1.1	U
99-87-6	4-Isopropyltoluene	1	0.57	0.27	0.57	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.53	1.1	5.7	U
78-93-3	2-Butanone (MEK)	1	2.7	1.3	5.7	5.7	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.57	0.44	0.57	5.7	U
91-20-3	Naphthalene	1	0.57	0.18	0.57	5.7	U
103-65-1	n-Propylbenzene	1	0.57	0.13	0.57	1.1	U
100-42-5	Styrene	1	0.23	0.23	0.23	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.57	0.17	0.57	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.57	0.16	0.57	1.1	U
127-18-4	Tetrachloroethene	1	0.57	0.19	0.57	1.1	U
108-88-3	Toluene	1	1.5	0.11	0.23	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.57	0.32	0.57	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.57	0.19	0.57	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.57	0.16	0.57	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.57	0.24	0.57	1.1	U
79-01-6	Trichloroethene	1	0.57	0.27	0.57	1.1	U
75-69-4	Trichlorofluoromethane	1	0.57	0.20	0.57	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.57	0.26	0.57	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.57	0.13	0.57	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.57	0.22	0.57	1.1	U
75-01-4	Vinyl Chloride	1	0.57	0.23	0.57	1.1	U
179601-23-1	Xylene, Meta + Para	1	4.1	0.16	0.45	2.3	
95-47-6	Xylene, Ortho	1	1.2	0.13	0.23	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.1	103	78 - 119	
1,2-Dichloroethane-d4	40.0	42.3	106	71 - 136	
Toluene-d8	40.0	39.5	99	85 - 116	
4-Bromofluorobenzene	40.0	40.2	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	429900	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB29-44

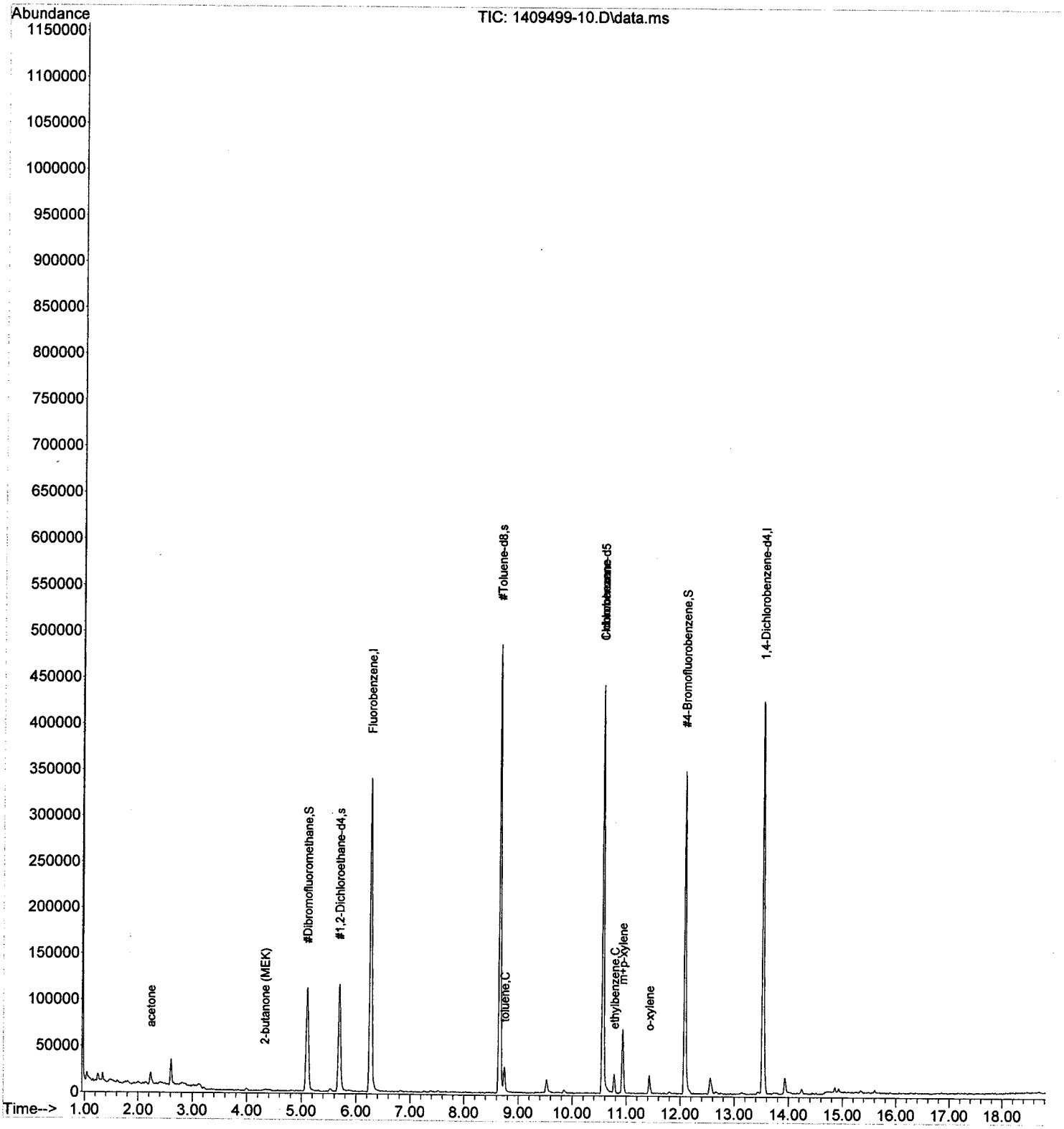
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-10
File ID: 1409499-10.D
Sampled: 09/26/14 10:20
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 12:37
Solids: 95.72
Preparation: 5035A Low Concentratio
Initial/Final: 4.6 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	303094	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	149226	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-10.D
Acq On : 09 Oct 2014 12:37
Operator : DLV
Sample : 1409499-10
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 09 12:59:39 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001065

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-10.D
Acq On : 09 Oct 2014 12:37
Operator : DLV
Sample : 1409499-10
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 09 12:59:39 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	429900	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	303094	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	149226	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	109689	41.10	ug/L		0.00
Spiked Amount 40.000			Recovery =	102.75%			
37) #1,2-Dichloroethane-d4	5.689	67	66240	42.27	ug/L		0.00
Spiked Amount 40.000			Recovery =	105.68%			
46) #Toluene-d8	8.654	98	411079	39.54	ug/L		0.00
Spiked Amount 40.000			Recovery =	98.85%			
64) #4-Bromofluorobenzene	12.083	95	150809	40.21	ug/L		0.00
Spiked Amount 40.000			Recovery =	100.52%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	18193	10.06	ug/L		92
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	16770	Below Cal			97
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	3992	2.36	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

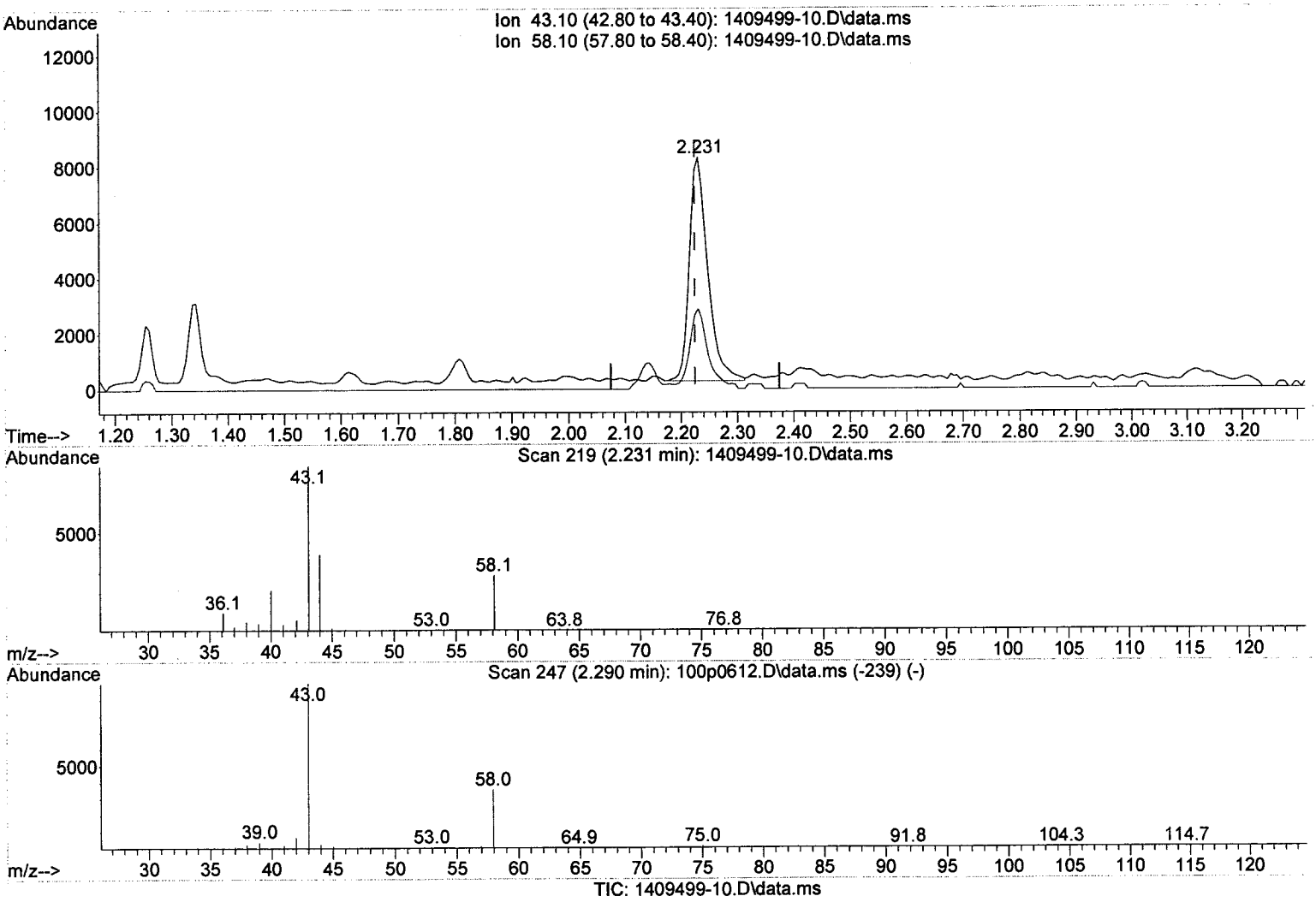
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-10.D
Acq On : 09 Oct 2014 12:37
Operator : DLV
Sample : 1409499-10
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 09 12:59:39 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	8.742	91	21916	1.36	ug/L	100
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.566	55	2902	0.71	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	10.777	91	17642	0.97	ug/L	96
60) m+p-xylene	10.930	106	24360	3.63	ug/L	100
61) o-xylene	11.430	106	6624	1.04	ug/L	98
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	0.000		0	N.D.		
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-10.D
Acq On : 09 Oct 2014 12:37
Operator : DLV
Sample : 1409499-10
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 09 12:59:39 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-10.D\data.ms

(13) acetone

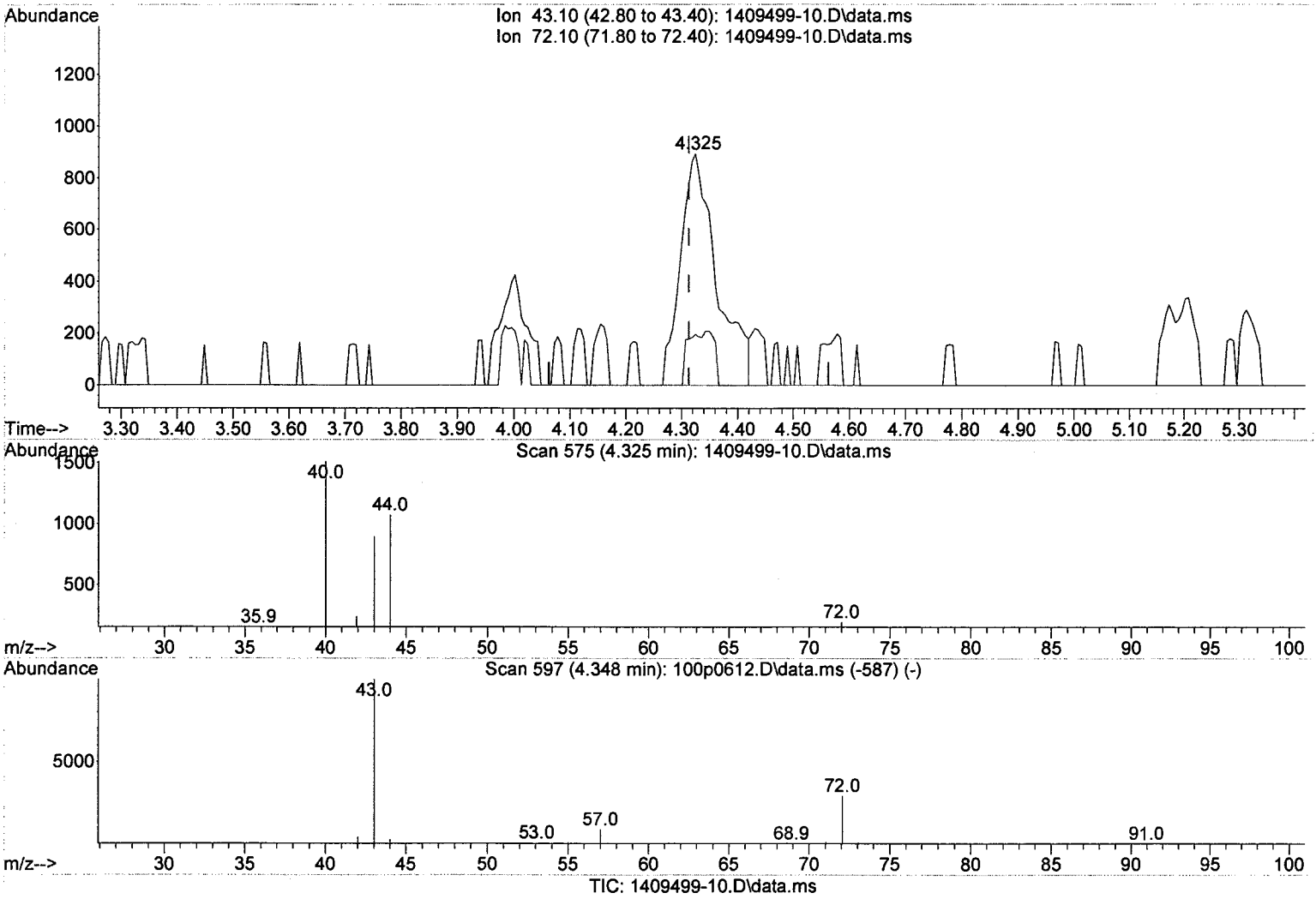
2.231min (+ 0.006) 10.06 ug/L

response 18193

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	35.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-10.D
Acq On : 09 Oct 2014 12:37
Operator : DLV
Sample : 1409499-10
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 09 12:59:39 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-10.D\data.ms

(25) 2-butanone (MEK)

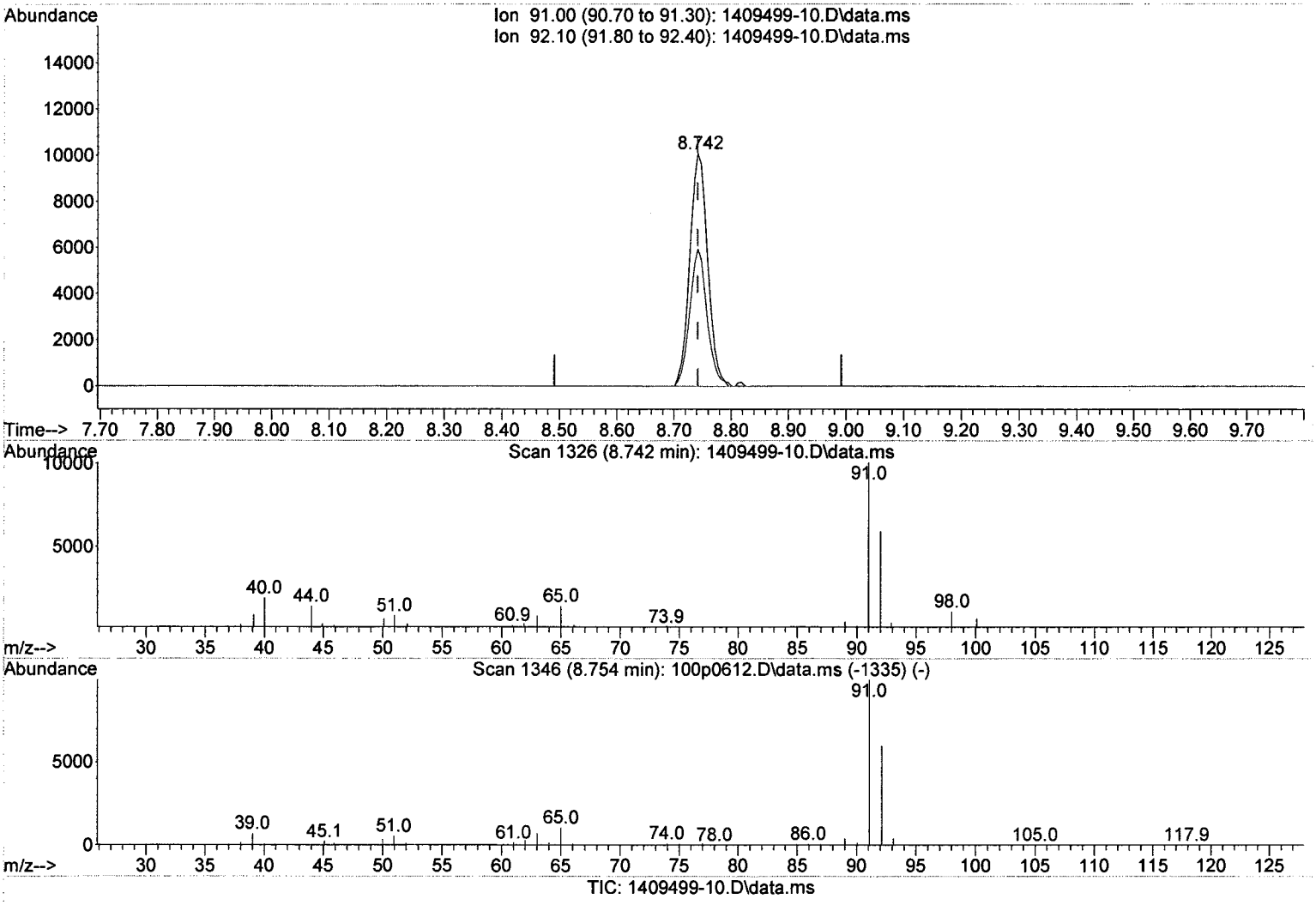
4.325min (+ 0.012) 2.36 ug/L

response 3992

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-10.D
Acq On : 09 Oct 2014 12:37
Operator : DLV
Sample : 1409499-10
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 09 12:59:39 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-10.D\data.ms

(47) toluene (C)

8.742min (+ 0.000) 1.36 ug/L

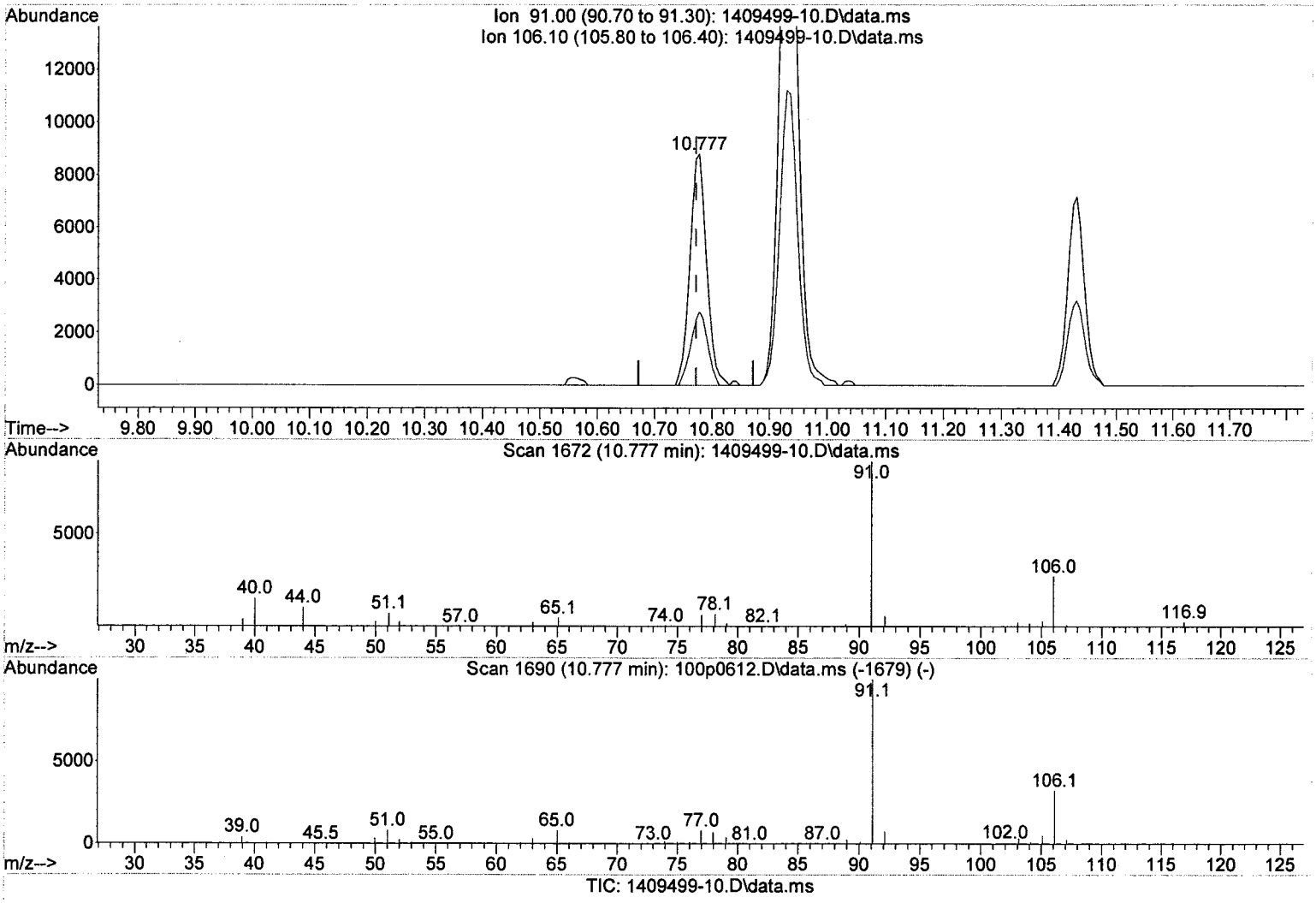
response 21916

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	57.10
0.00	0.00	0.00
0.00	0.00	0.00

001070

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-10.D
Acq On : 09 Oct 2014 12:37
Operator : DLV
Sample : 1409499-10
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 09 12:59:39 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-10.D\data.ms

(59) ethylbenzene (C)

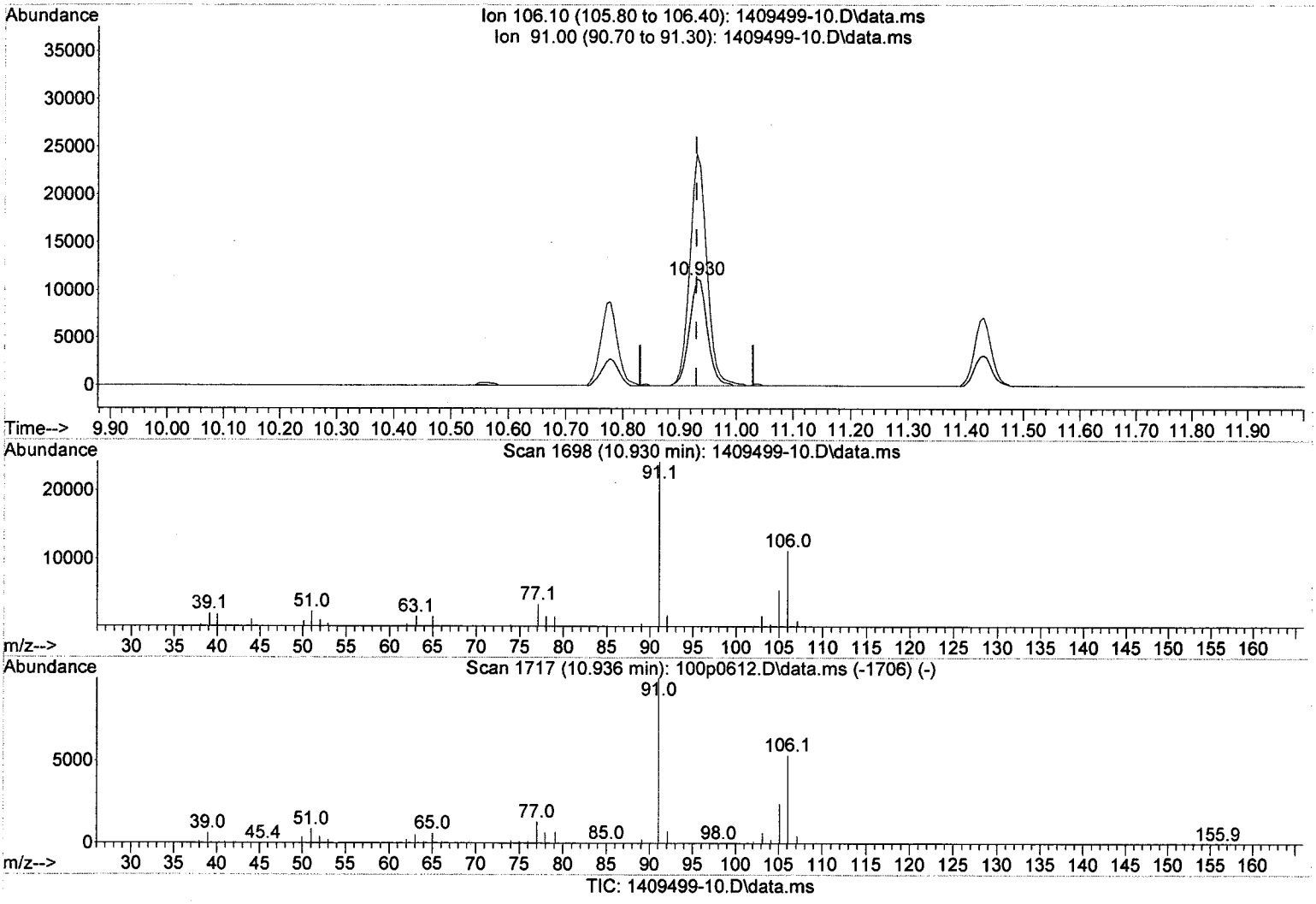
10.777min (+ 0.005) 0.97 ug/L

response 17642

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	31.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-10.D
Acq On : 09 Oct 2014 12:37
Operator : DLV
Sample : 1409499-10
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 09 12:59:39 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-10.D\data.ms

(60) m+p-xylene

10.930min (+ 0.000) 3.63 ug/L

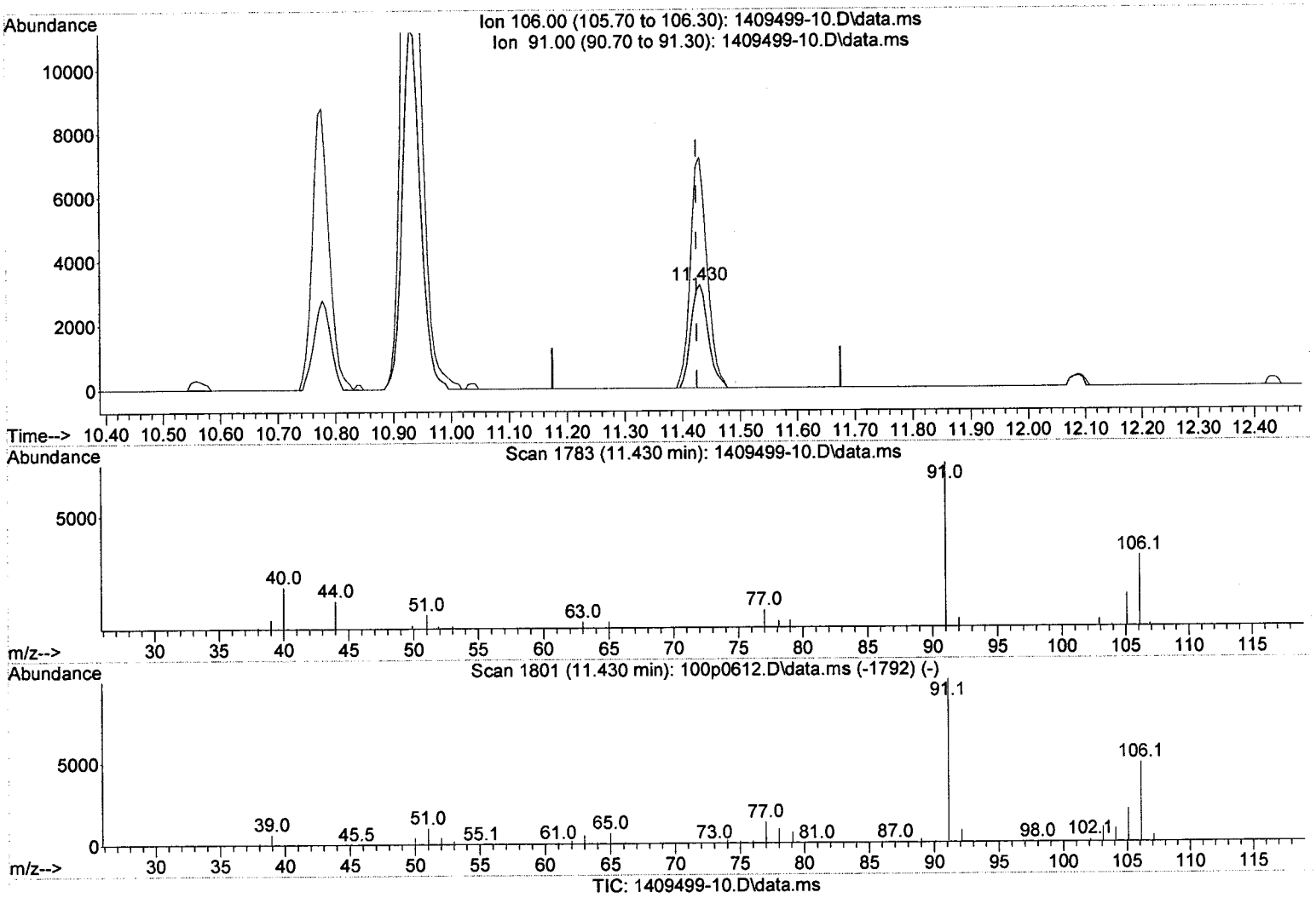
response 24360

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	207.53
0.00	0.00	0.00
0.00	0.00	0.00

001072

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-10.D
Acq On : 09 Oct 2014 12:37
Operator : DLV
Sample : 1409499-10
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 09 12:59:39 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-10.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 1.04 ug/L

response 6624

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	217.72
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB29-44DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-11 File ID: 1409499-11.D

Sampled: 09/26/14 10:20 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 13:00

Solids: 96.98 Preparation: 5035A Low Concentratio Initial/Final: 4.8 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	19	4.3	5.2	5.2	
71-43-2	Benzene	1	0.52	0.16	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.52	0.24	0.52	1.0	U
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.15	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.26	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.096	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.23	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.23	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.12	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB29-44DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-11 File ID: 1409499-11.D

Sampled: 09/26/14 10:20 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 13:00

Solids: 96.98 Preparation: 5035A Low Concentratio Initial/Final: 4.8 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.98	0.19	0.52	1.0	J
87-68-3	Hexachlorobutadiene	1	0.52	0.21	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.49	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.48	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	3.1	1.1	5.2	5.2	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.32	0.21	0.21	1.0	J
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	0.52	0.18	0.52	1.0	U
108-88-3	Toluene	1	1.3	0.10	0.21	1.0	
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.29	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.52	0.12	0.52	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	3.8	0.15	0.41	2.1	
95-47-6	Xylene, Ortho	1	1.1	0.11	0.21	1.0	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.0	105	78 - 119	
1,2-Dichloroethane-d4	40.0	43.7	109	71 - 136	
Toluene-d8	40.0	39.9	100	85 - 116	
4-Bromofluorobenzene	40.0	41.4	103	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	418467	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU16SB29-44DUP

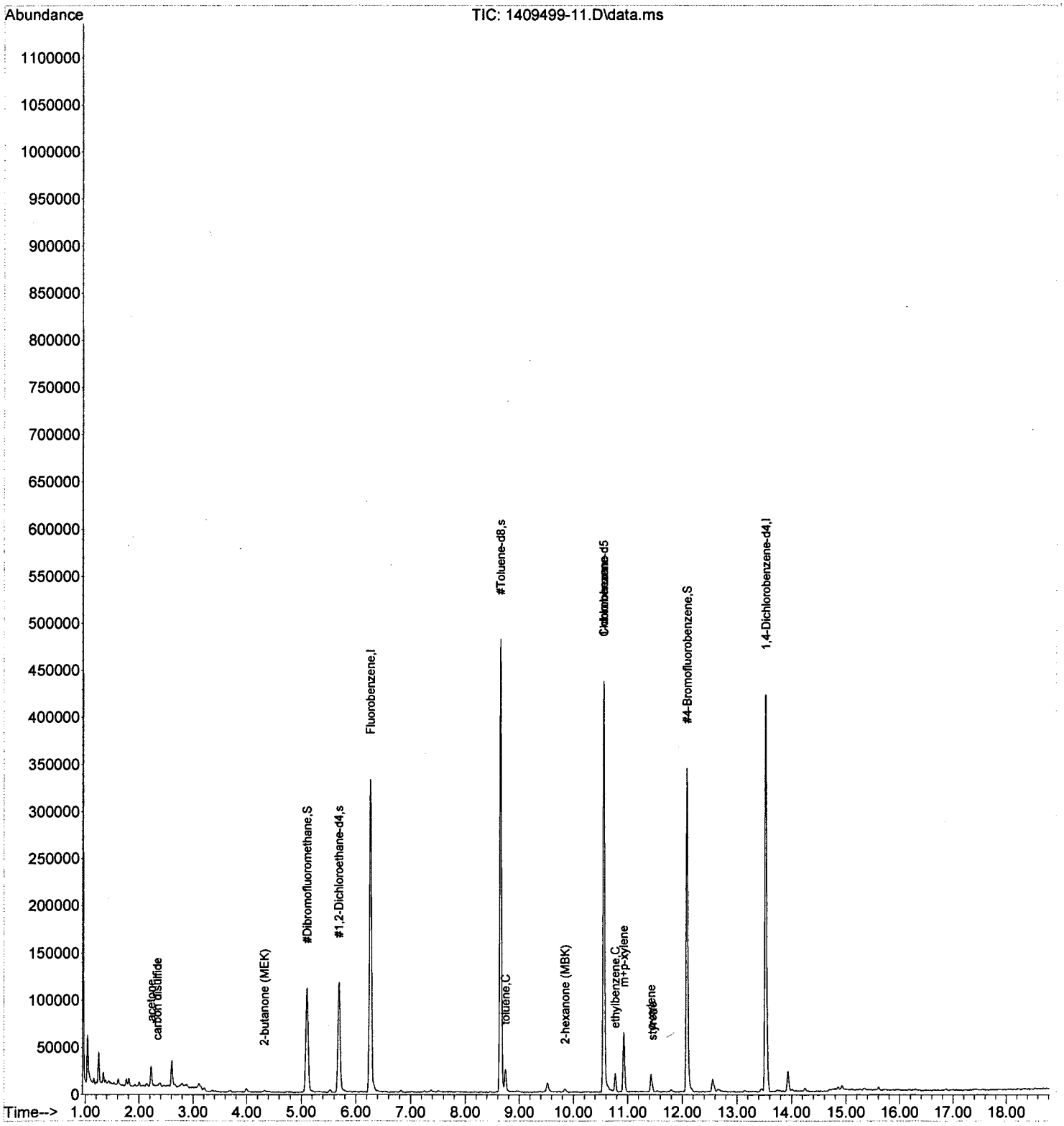
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-11
File ID: 1409499-11.D
Sampled: 09/26/14 10:20
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 13:00
Solids: 96.98
Preparation: 5035A Low Concentratio
Initial/Final: 4.8 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	299469	10.56	274590	10.56	
1,4-Dichlorobenzene-d4	153229	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-11.D
Acq On : 09 Oct 2014 13:00
Operator : DLV
Sample : 1409499-11
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 09 13:21:25 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001077

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-11.D
Acq On : 09 Oct 2014 13:00
Operator : DLV
Sample : 1409499-11
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 09 13:21:25 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.266	96	418467	40.00 ug/L	0.00
50) Chlorobenzene-d5	10.560	117	299469	40.00 ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	153229	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	5.107	111	109225	42.05 ug/L	0.00
Spiked Amount 40.000			Recovery = 105.13%		
37) #1,2-Dichloroethane-d4	5.690	67	66663	43.70 ug/L	0.00
Spiked Amount 40.000			Recovery = 109.25%		
46) #Toluene-d8	8.654	98	404029	39.93 ug/L	0.00
Spiked Amount 40.000			Recovery = 99.83%		
64) #4-Bromofluorobenzene	12.084	95	153301	41.37 ug/L	0.00
Spiked Amount 40.000			Recovery = 103.42%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.	
3) chloromethane	0.000		0	N.D.	
4) vinyl chloride	0.000		0	N.D.	
5) bromomethane	0.000		0	N.D.	
6) chloroethane	0.000		0	N.D.	
7) dichlorofluoromethane	0.000		0	N.D.	
8) trichlorofluoromethane	0.000		0	N.D.	
9) ethyl ether	0.000		0	N.D.	
10) acrolein	0.000		0	N.D.	
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.	
12) 1,1-dichloroethene	0.000		0	N.D.	
13) acetone	2.225	43	25505	✓ 17.25 ug/L #	88
14) iodomethane	0.000		0	N.D.	
15) carbon disulfide	2.337	76	1767	0.21 ug/L #	75
16) methyl acetate	0.000		0	N.D.	
17) methylene chloride	2.608	49	15706	Below Cal	97
18) acrylonitrile	0.000		0	N.D.	
19) trans-1,2-dichloroethene	0.000		0	N.D.	
20) methyl (tert) butyl ether	0.000		0	N.D.	
21) 1,1-dichloroethane	0.000		0	N.D.	
22) vinyl acetate	0.000		0	N.D.	
23) 2,2-dichloropropane	0.000		0	N.D.	
24) cis-1,2-dichloroethene	0.000		0	N.D.	
25) 2-butanone (MEK)	4.325	43	4720	✓ 2.87 ug/L #	48
26) bromochloromethane	0.000		0	N.D.	
27) tetrahydrofuran	0.000		0	N.D.	
28) chloroform	0.000		0	N.D.	
30) 1,1,1-trichloroethane	0.000		0	N.D.	
31) cyclohexane	0.000		0	N.D.	
32) carbon tetrachloride	0.000		0	N.D.	
33) 1,1-dichloropropene	0.000		0	N.D.	
34) benzene	0.000		0	N.D.	
35) 1,2-dichloroethane	0.000		0	N.D.	
36) heptane	0.000		0	N.D.	
38) trichloroethene	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

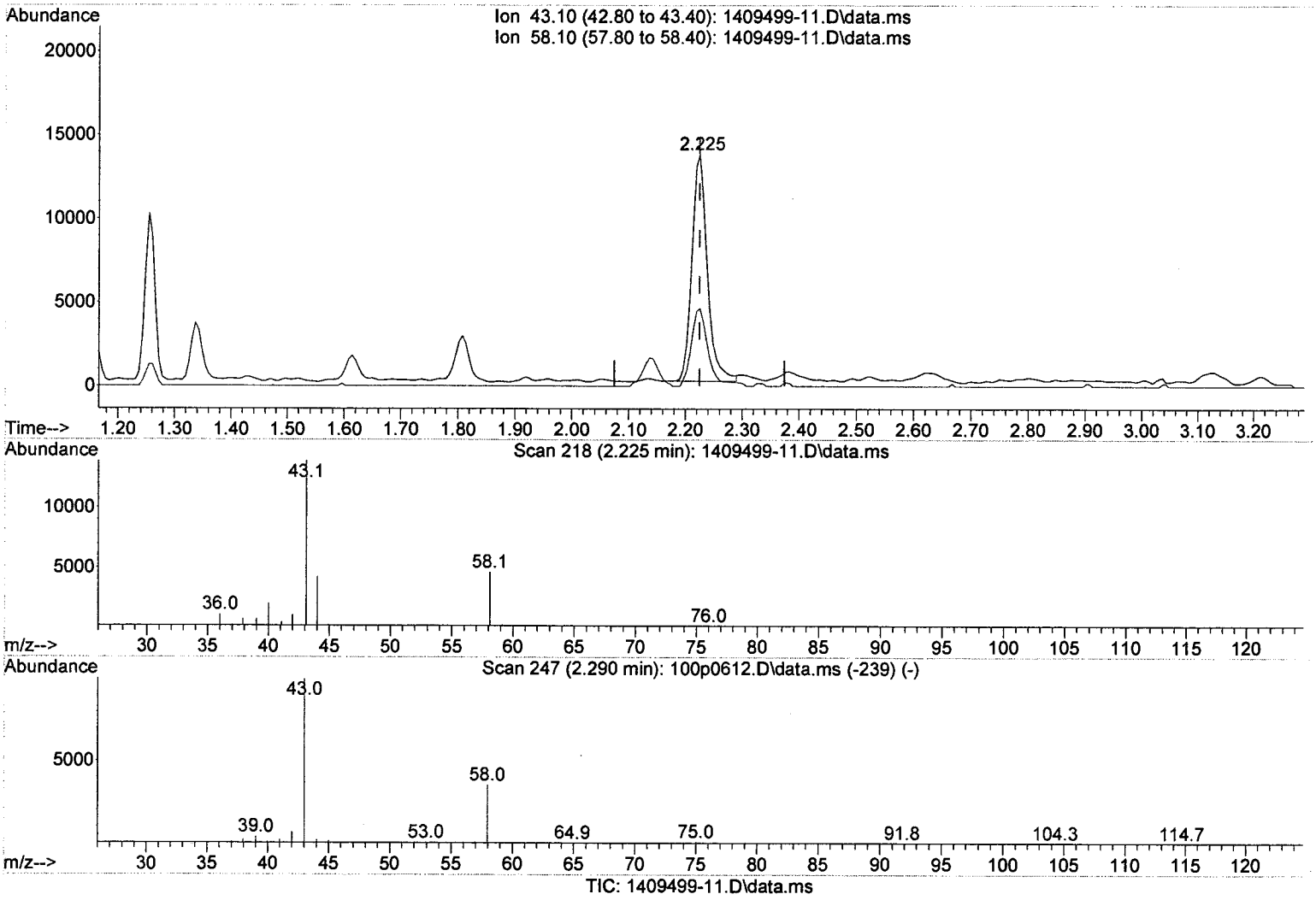
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-11.D
Acq On : 09 Oct 2014 13:00
Operator : DLV
Sample : 1409499-11
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 09 13:21:25 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	19134	√ 1.22 ug/L	96
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.848	43	1680	~~0.70~~ ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2175	0.54 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	16488	√ 0.91 ug/L	95
60) m+p-xylene	10.931	106	23508	√ 3.54 ug/L	94
61) o-xylene	11.431	106	6222	√ 0.99 ug/L	90
62) styrene	11.454	104	3140	√ 0.30 ug/L #	28
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-11.D
Acq On : 09 Oct 2014 13:00
Operator : DLV
Sample : 1409499-11
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 09 13:21:25 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-11.D\data.ms

(13) acetone

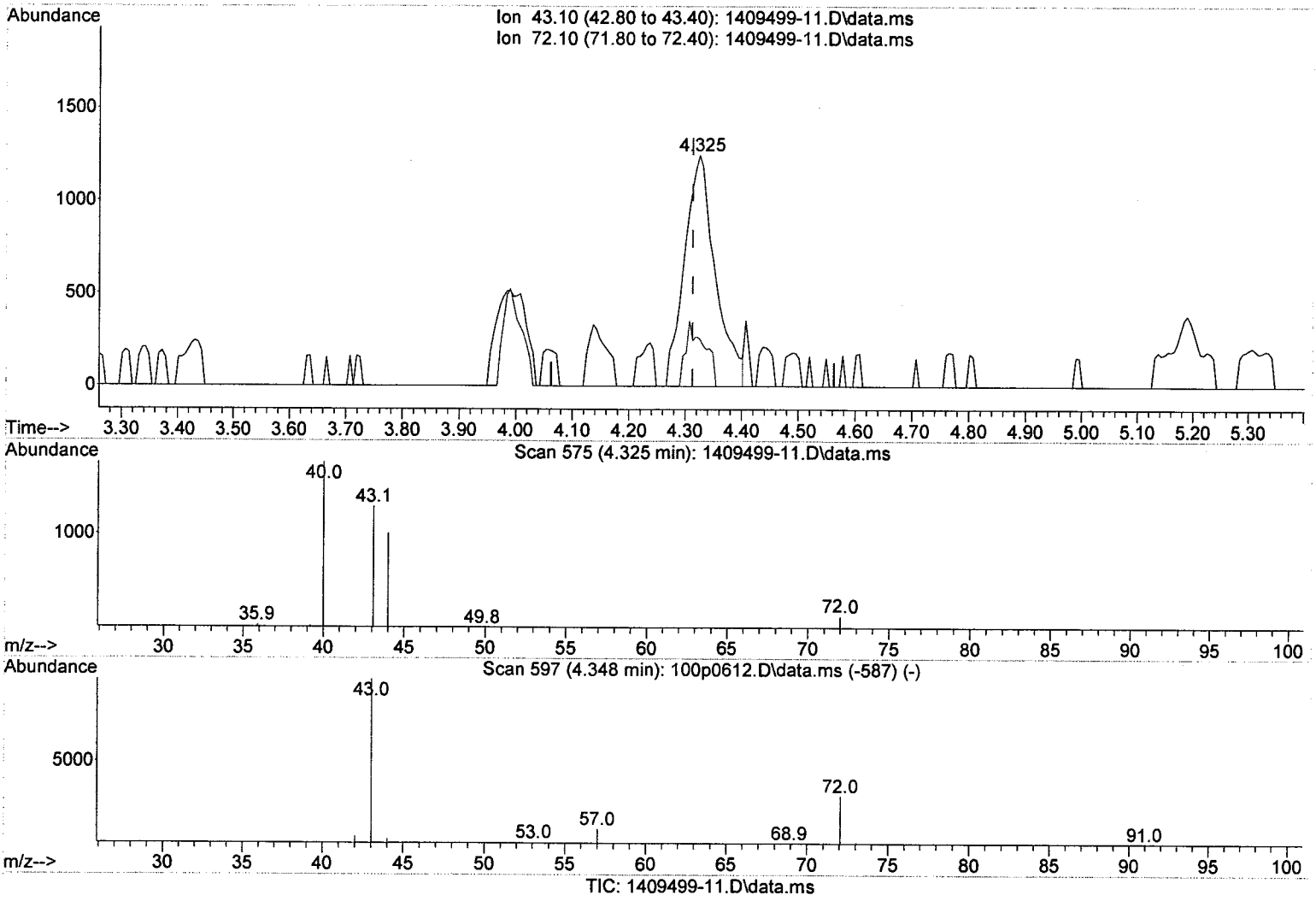
2.225min (+ 0.000) 17.25 ug/L

response 25505

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	37.75#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-11.D
Acq On : 09 Oct 2014 13:00
Operator : DLV
Sample : 1409499-11
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 09 13:21:25 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-11.D\data.ms

(25) 2-butanone (MEK)

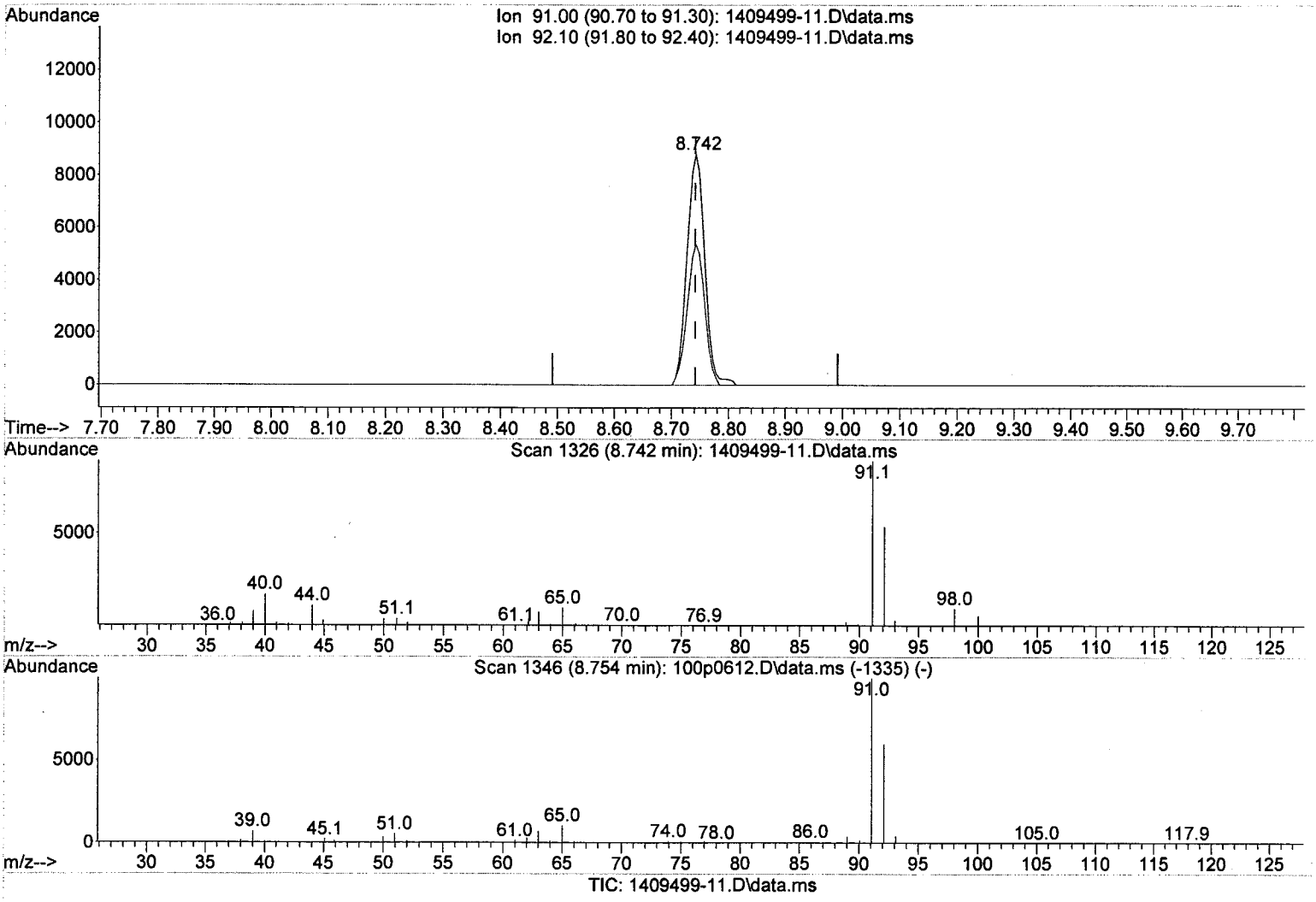
4.325min (+ 0.012) 2.87 ug/L

response 4720

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-11.D
Acq On : 09 Oct 2014 13:00
Operator : DLV
Sample : 1409499-11
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 09 13:21:25 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-11.D\data.ms

(47) toluene (C)

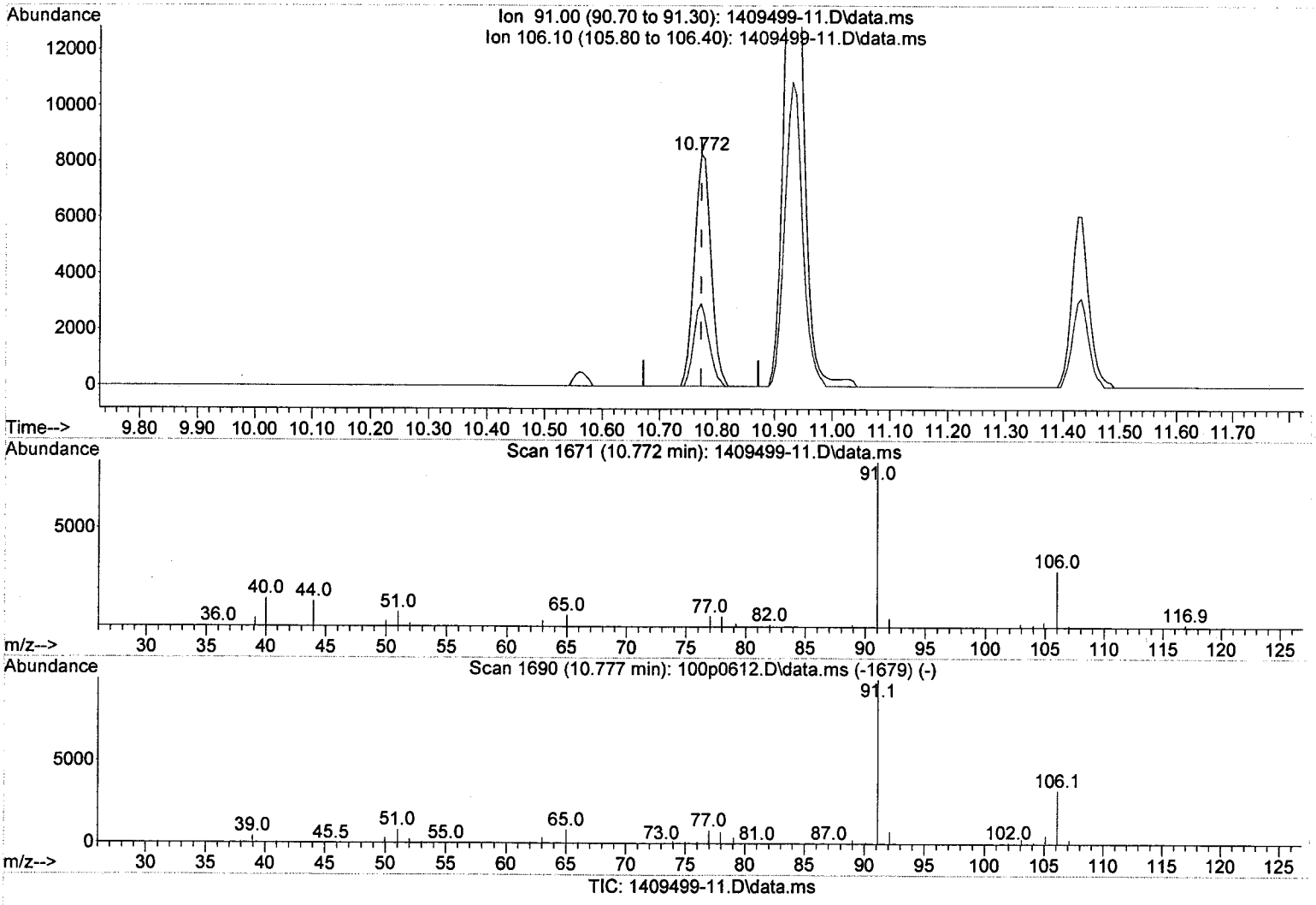
8.742min (+ 0.000) 1.22 ug/L

response 19134

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	59.97
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-11.D
Acq On : 09 Oct 2014 13:00
Operator : DLV
Sample : 1409499-11
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 09 13:21:25 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-11.D\data.ms

(59) ethylbenzene (C)

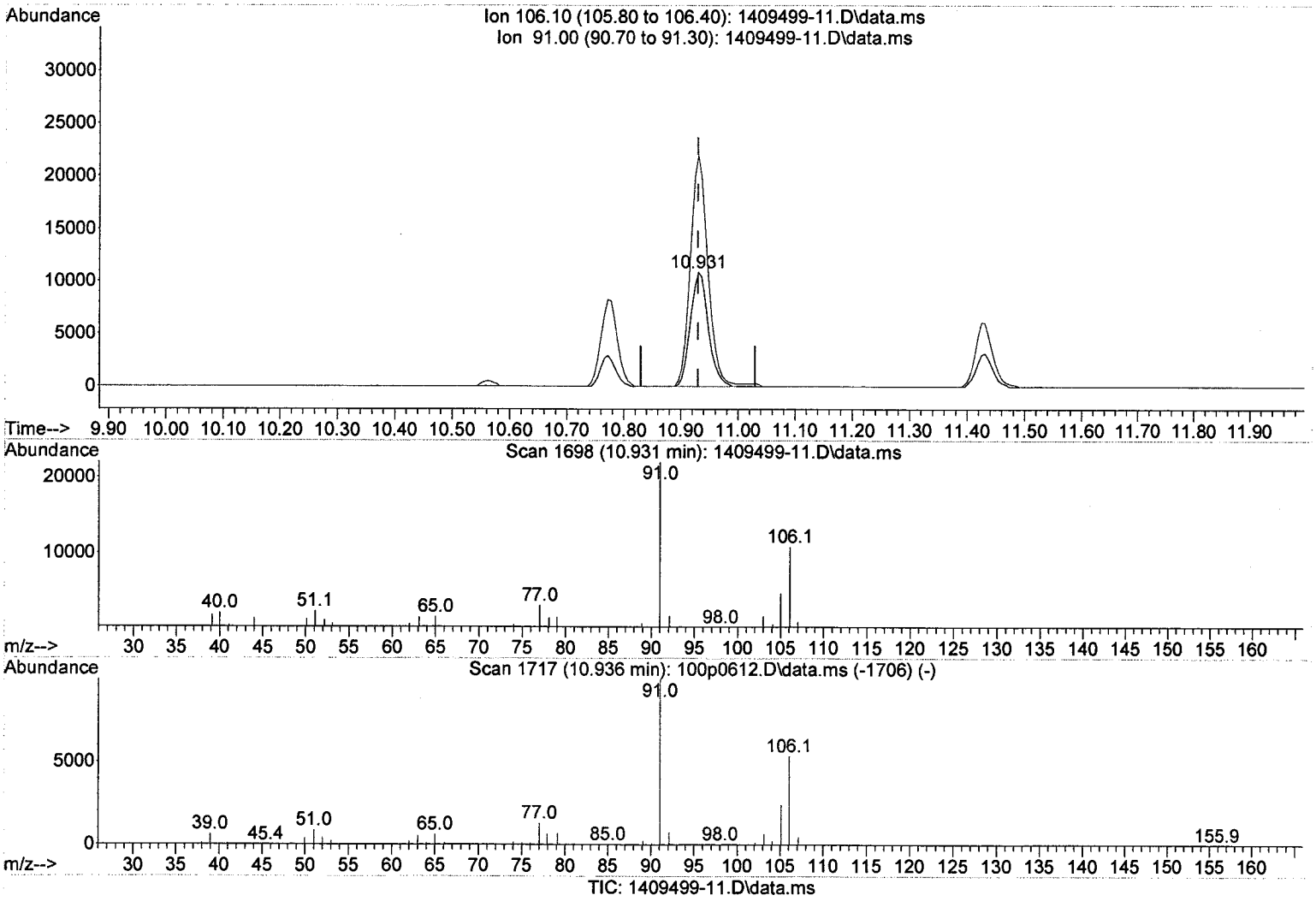
10.772min (-0.000) 0.91 ug/L

response 16488

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	32.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-11.D
Acq On : 09 Oct 2014 13:00
Operator : DLV
Sample : 1409499-11
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 09 13:21:25 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-11.D\data.ms

(60) m+p-xylene

10.931min (+ 0.001) 3.54 ug/L

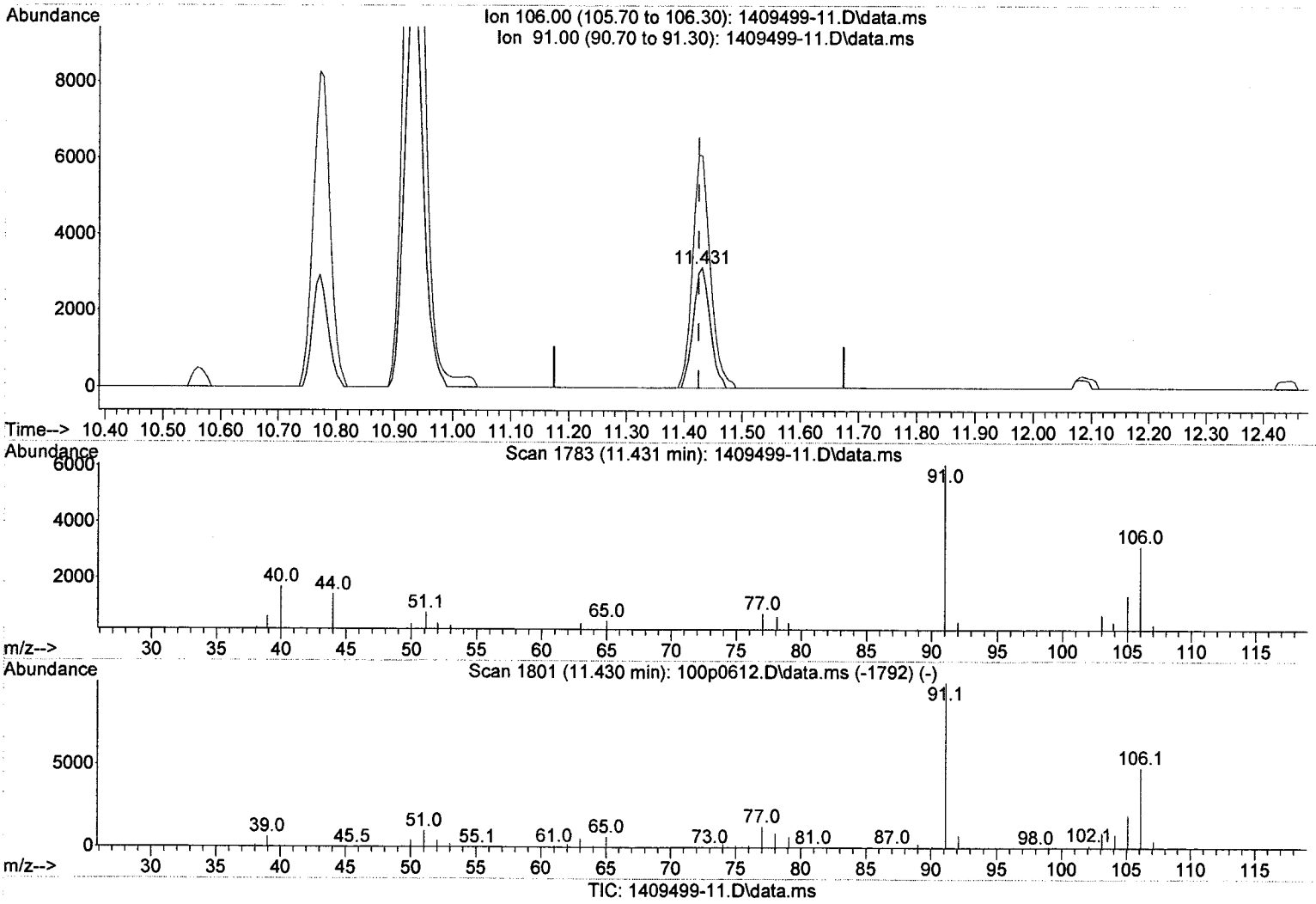
response 23508

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	197.68
0.00	0.00	0.00
0.00	0.00	0.00

001084

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-11.D
Acq On : 09 Oct 2014 13:00
Operator : DLV
Sample : 1409499-11
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 09 13:21:25 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-11.D\data.ms

(61) o-xylene

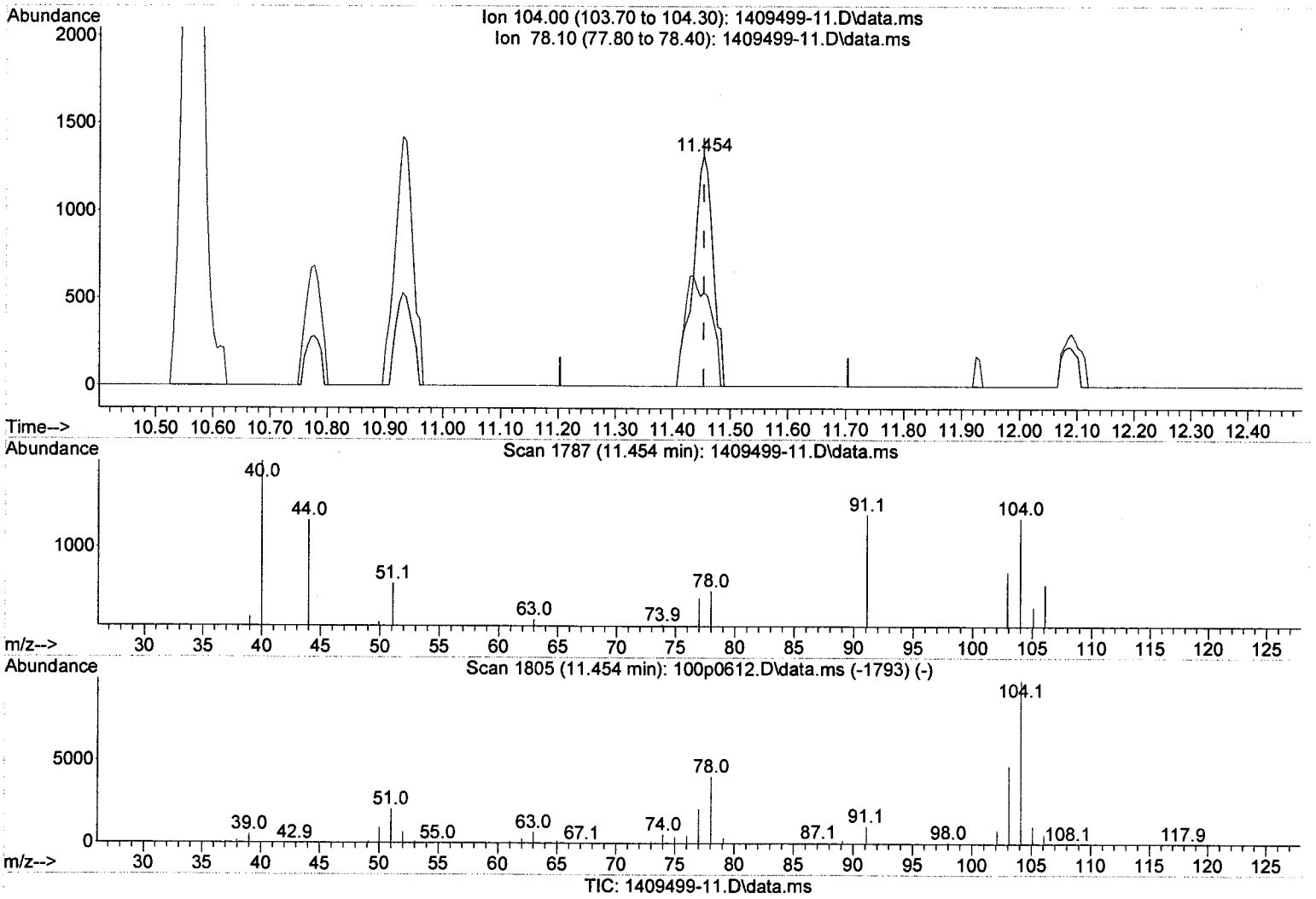
11.431min (+ 0.006) 0.99 ug/L

response 6222

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	204.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-11.D
Acq On : 09 Oct 2014 13:00
Operator : DLV
Sample : 1409499-11
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 09 13:21:25 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1409499-11.D\data.ms

(62) styrene

11.454min (+ 0.000) 0.30 ug/L

response 3140

Ion	Exp%	Act%
104.00	100.00	100.00
78.10	49.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

001086

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB8-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-01
File ID: 1410014-01.D
Sampled: 09/29/14 09:20
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 13:24
Solids: 95.37
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	25	4.4	5.2	5.2	
71-43-2	Benzene	1	0.52	0.17	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.18	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.52	0.24	0.52	1.0	U
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.16	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.53	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.27	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.31	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.62	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.24	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.098	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.24	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.24	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.13	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB8-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-01
File ID: 1410014-01.D
Sampled: 09/29/14 09:20
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 13:24
Solids: 95.37
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.2	0.20	0.52	1.0	
87-68-3	Hexachlorobutadiene	1	0.52	0.22	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.49	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	5.2	1.2	5.2	5.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.41	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.16	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	5.9	0.18	0.52	1.0	
108-88-3	Toluene	1	1.7	0.10	0.21	1.0	
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.52	0.12	0.52	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	4.6	0.15	0.42	2.1	
95-47-6	Xylene, Ortho	1	1.1	0.12	0.21	1.0	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.1	105	78 - 119	
1,2-Dichloroethane-d4	40.0	42.7	107	71 - 136	
Toluene-d8	40.0	39.5	99	85 - 116	
4-Bromofluorobenzene	40.0	38.2	95	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	433646	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB8-15

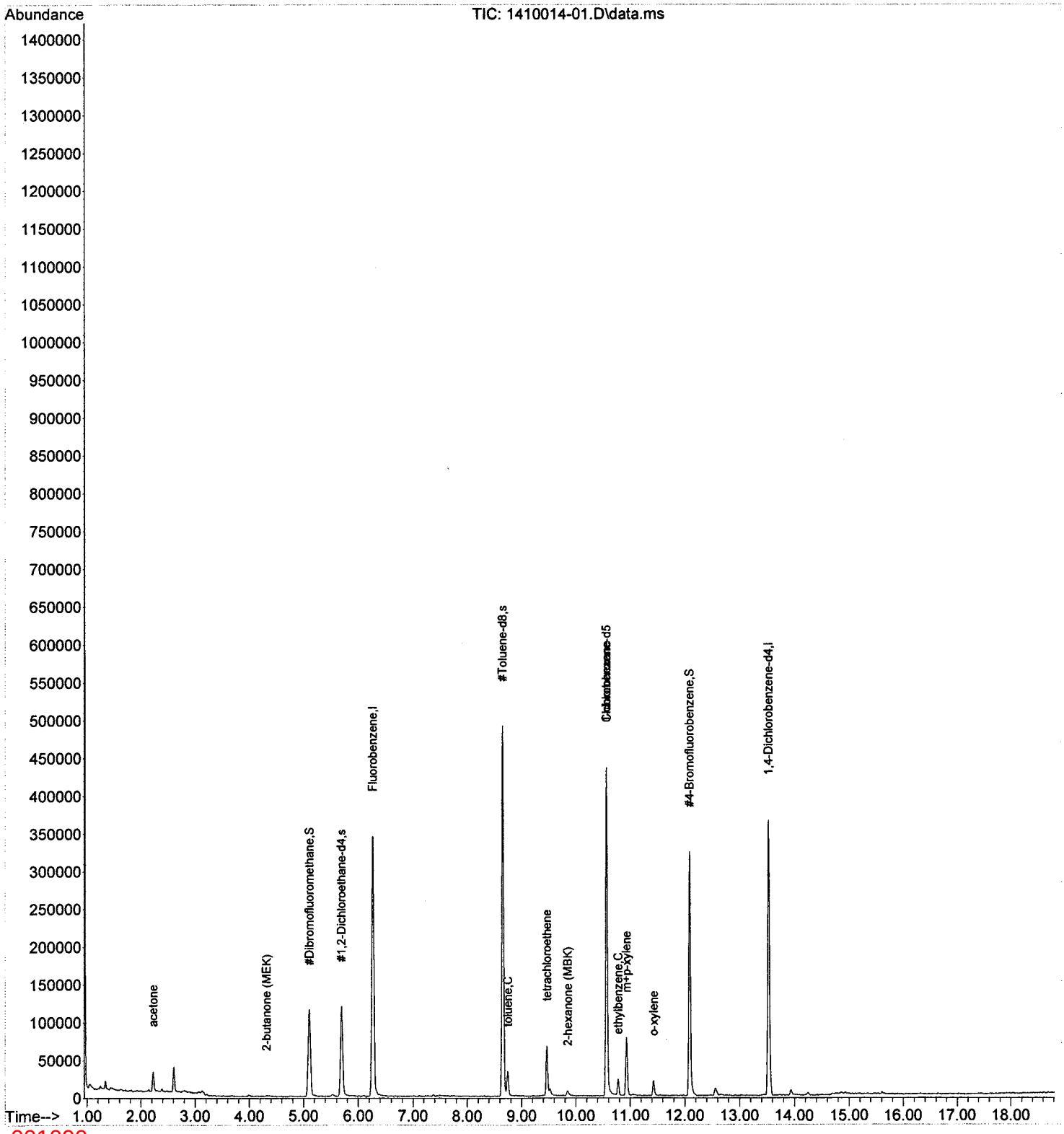
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-01
File ID: 1410014-01.D
Sampled: 09/29/14 09:20
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 13:24
Solids: 95.37
Preparation: 5035A Low Concentratio
Initial/Final: 4.9 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	303029	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	136028	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-01.D
Acq On : 09 Oct 2014 13:24
Operator : DLV
Sample : 1410014-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 09 17:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-01.D
Acq On : 09 Oct 2014 13:24
Operator : DLV
Sample : 1410014-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 09 17:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	433646	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	303029	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	136028	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	113234	42.06	ug/L	0.00
Spiked Amount 40.000			Recovery = 105.15%			
37) #1,2-Dichloroethane-d4	5.690	67	67461	42.68	ug/L	0.00
Spiked Amount 40.000			Recovery = 106.70%			
46) #Toluene-d8	8.654	98	413801	39.46	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.65%			
64) #4-Bromofluorobenzene	12.083	95	143118	38.16	ug/L	0.00
Spiked Amount 40.000			Recovery = 95.40%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.225	43	33615	23.66	ug/L	91
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	18899	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.319	43	2393	~~1.41~~	ug/L #	48
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

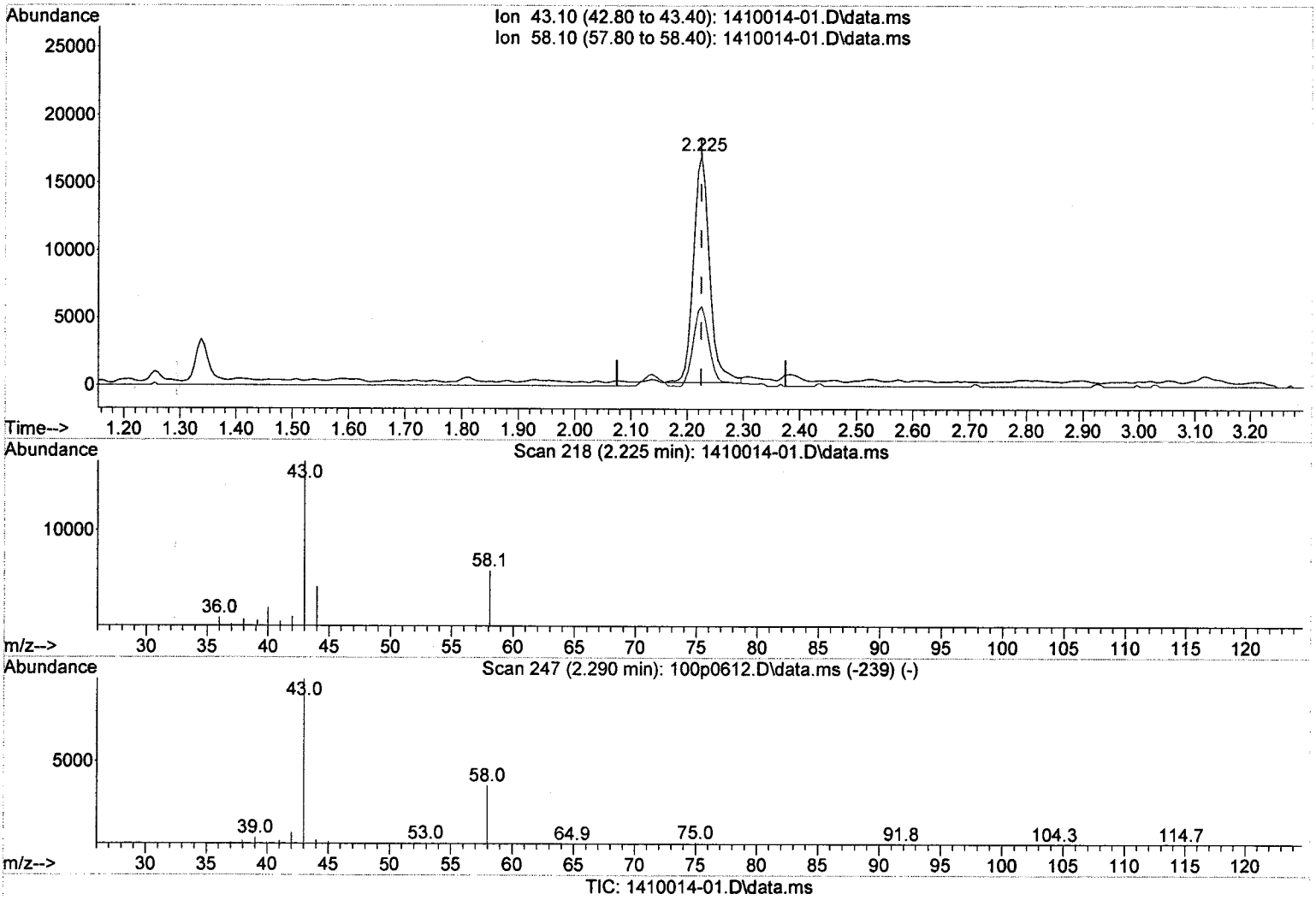
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-01.D
Acq On : 09 Oct 2014 13:24
Operator : DLV
Sample : 1410014-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 09 17:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.742	91	26078	1.61	ug/L		100
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	9.466	166	24286	5.48	ug/L		97
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	9.848	43	2281	0.94	ug/L	#	17
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.566	55	2589	0.63	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.772	91	19749	1.08	ug/L		97
60)	m+p-xylene	10.931	106	28811	4.29	ug/L		95
61)	o-xylene	11.431	106	6671	1.05	ug/L		90
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	0.000		0	N.D.			
77)	sec-butylbenzene	0.000		0	N.D.			
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-01.D
Acq On : 09 Oct 2014 13:24
Operator : DLV
Sample : 1410014-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 09 17:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(13) acetone

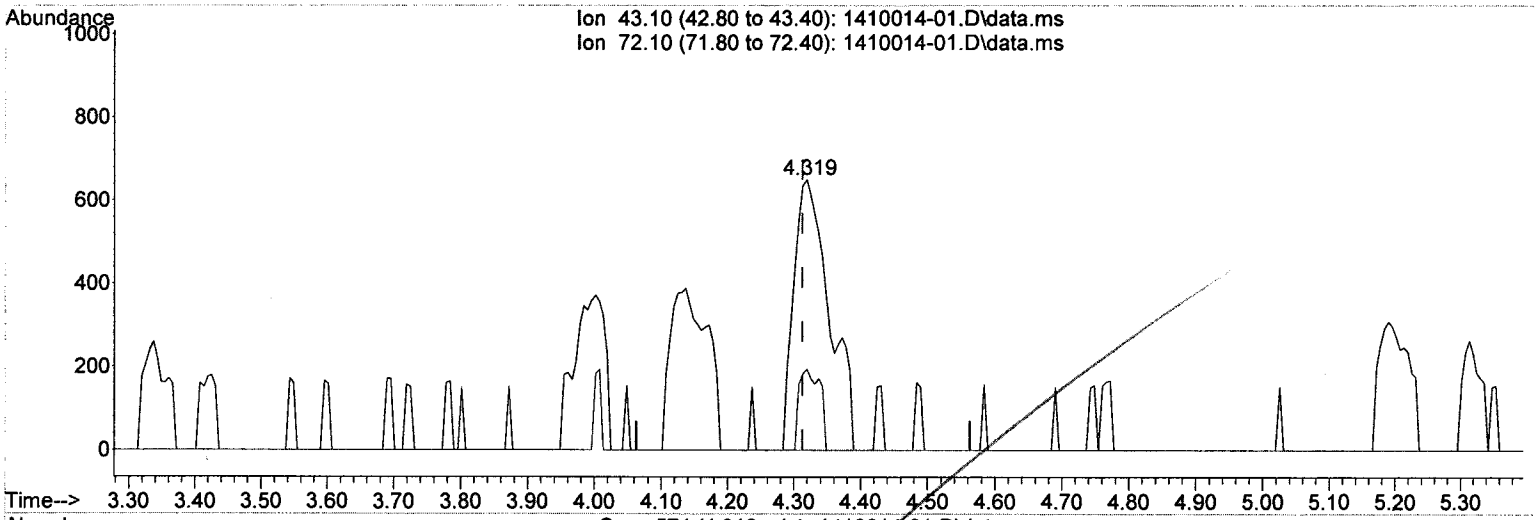
2.225min (+ 0.000) 23.66 ug/L

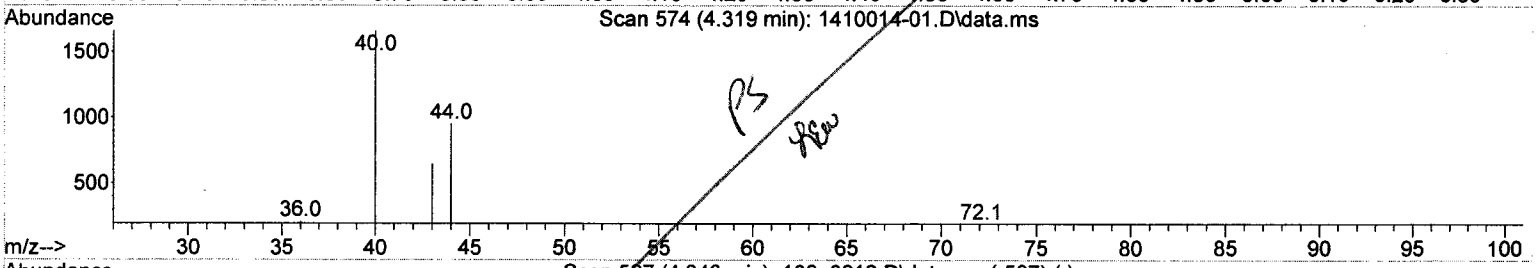
response 33615

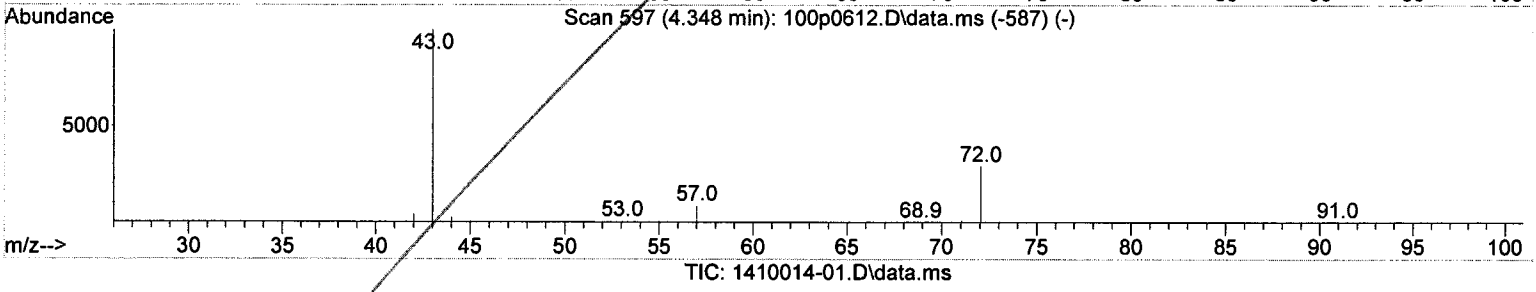
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	36.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-01.D
Acq On : 09 Oct 2014 13:24
Operator : DLV
Sample : 1410014-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 09 17:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410014-01.D\data.ms

(25) 2-butanone (MEK)

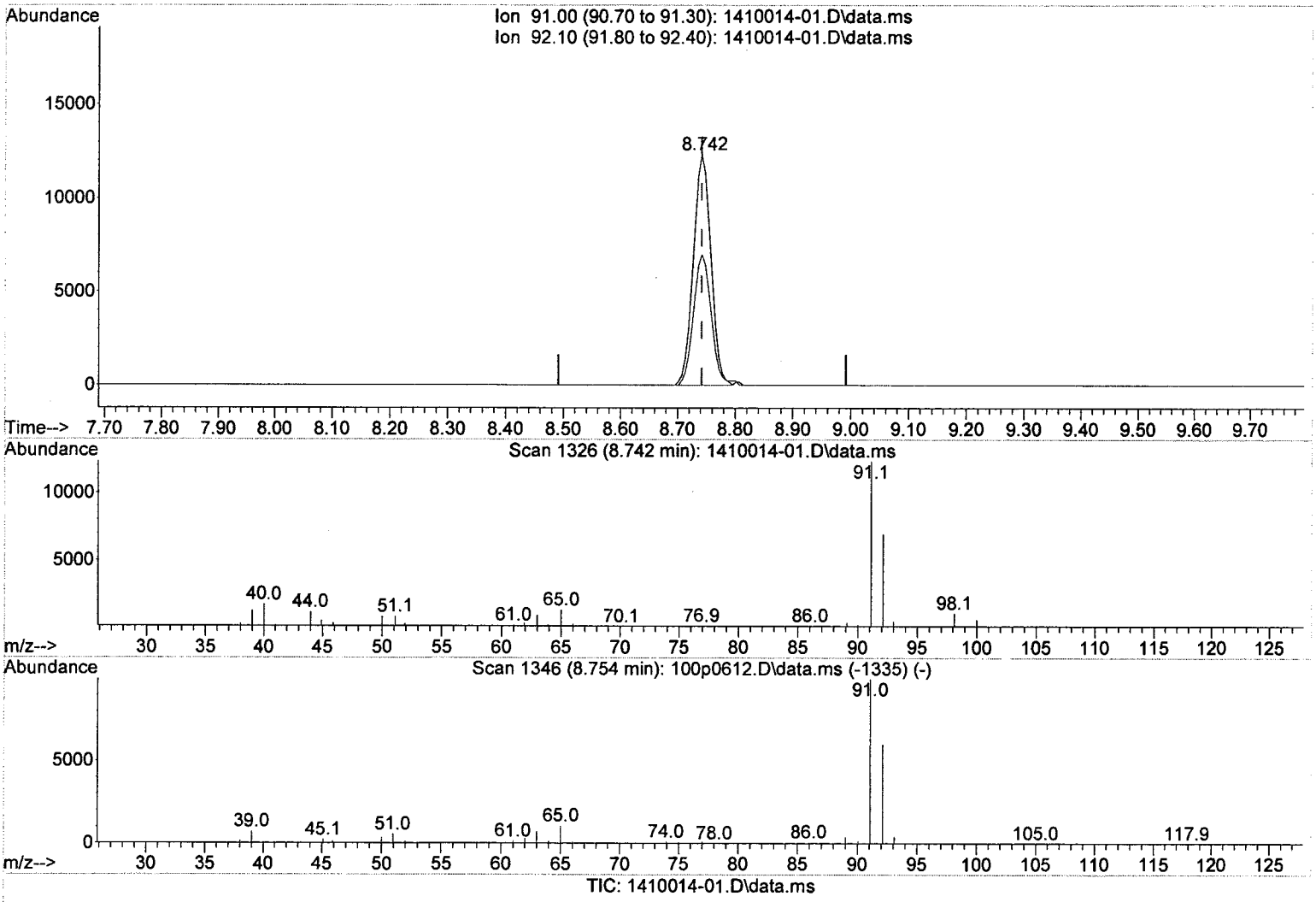
4.319min (+ 0.006) 1.41 ug/L

response 2393

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-01.D
Acq On : 09 Oct 2014 13:24
Operator : DLV
Sample : 1410014-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 09 17:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(47) toluene (C)

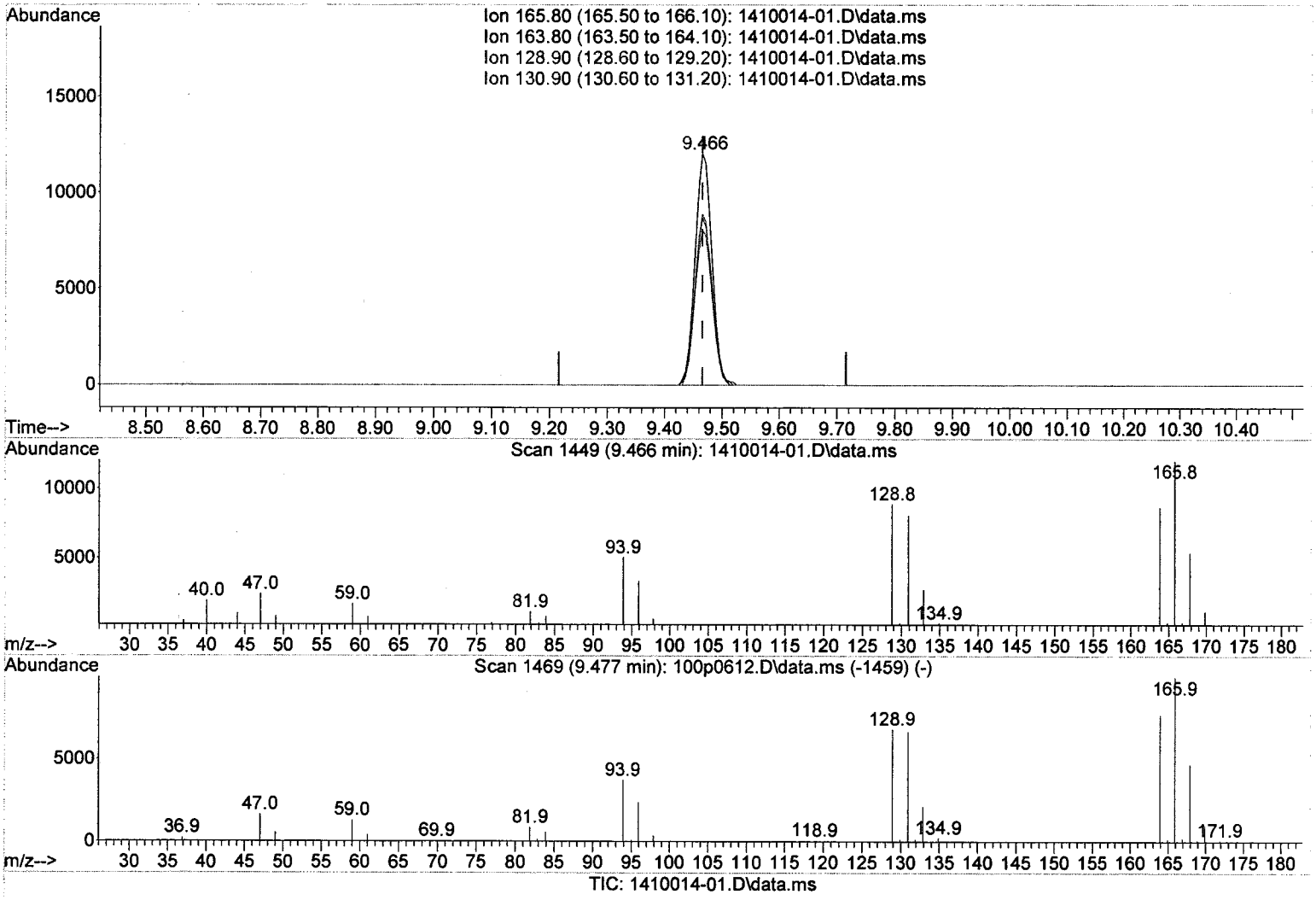
8.742min (+ 0.000) 1.61 ug/L

response 26078

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	57.22
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-01.D
Acq On : 09 Oct 2014 13:24
Operator : DLV
Sample : 1410014-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 09 17:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(51) tetrachloroethene

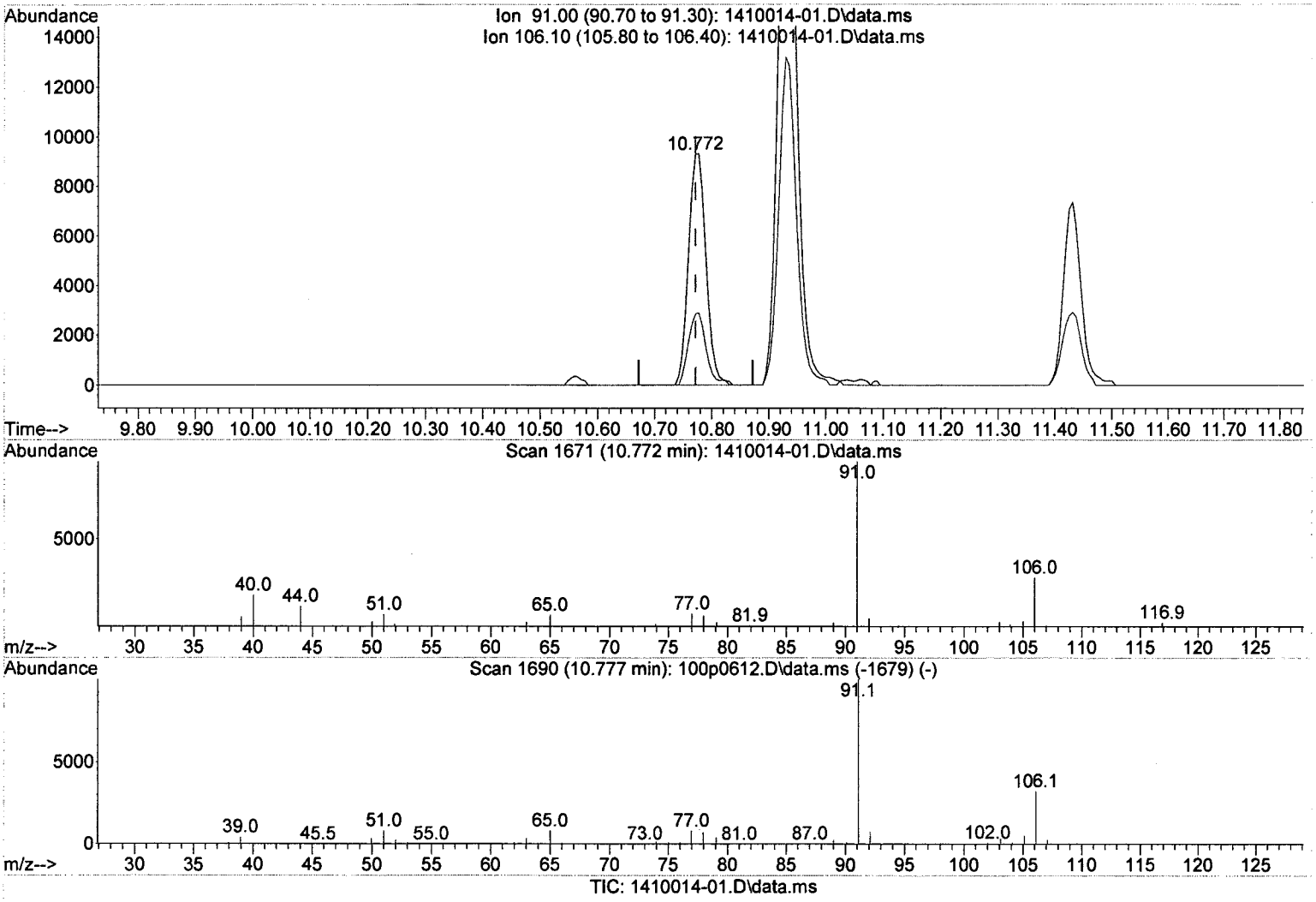
9.466min (-0.000) 5.48 ug/L

response 24286

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	73.70
128.90	74.10	75.30
130.90	70.00	69.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-01.D
Acq On : 09 Oct 2014 13:24
Operator : DLV
Sample : 1410014-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 09 17:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(59) ethylbenzene (C)

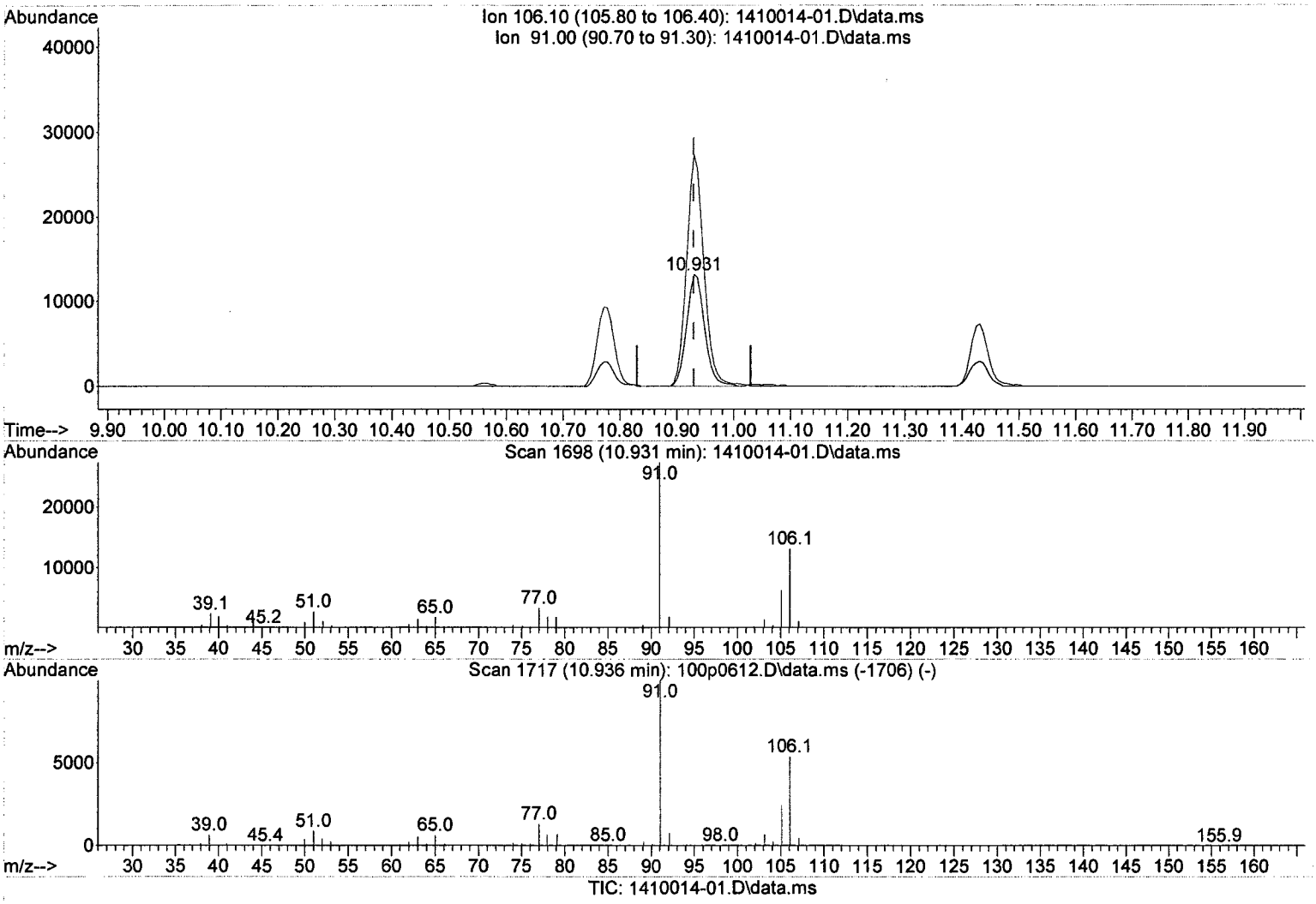
10.772min (-0.000) 1.08 ug/L

response 19749

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	31.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-01.D
Acq On : 09 Oct 2014 13:24
Operator : DLV
Sample : 1410014-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 09 17:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(60) m+p-xylene

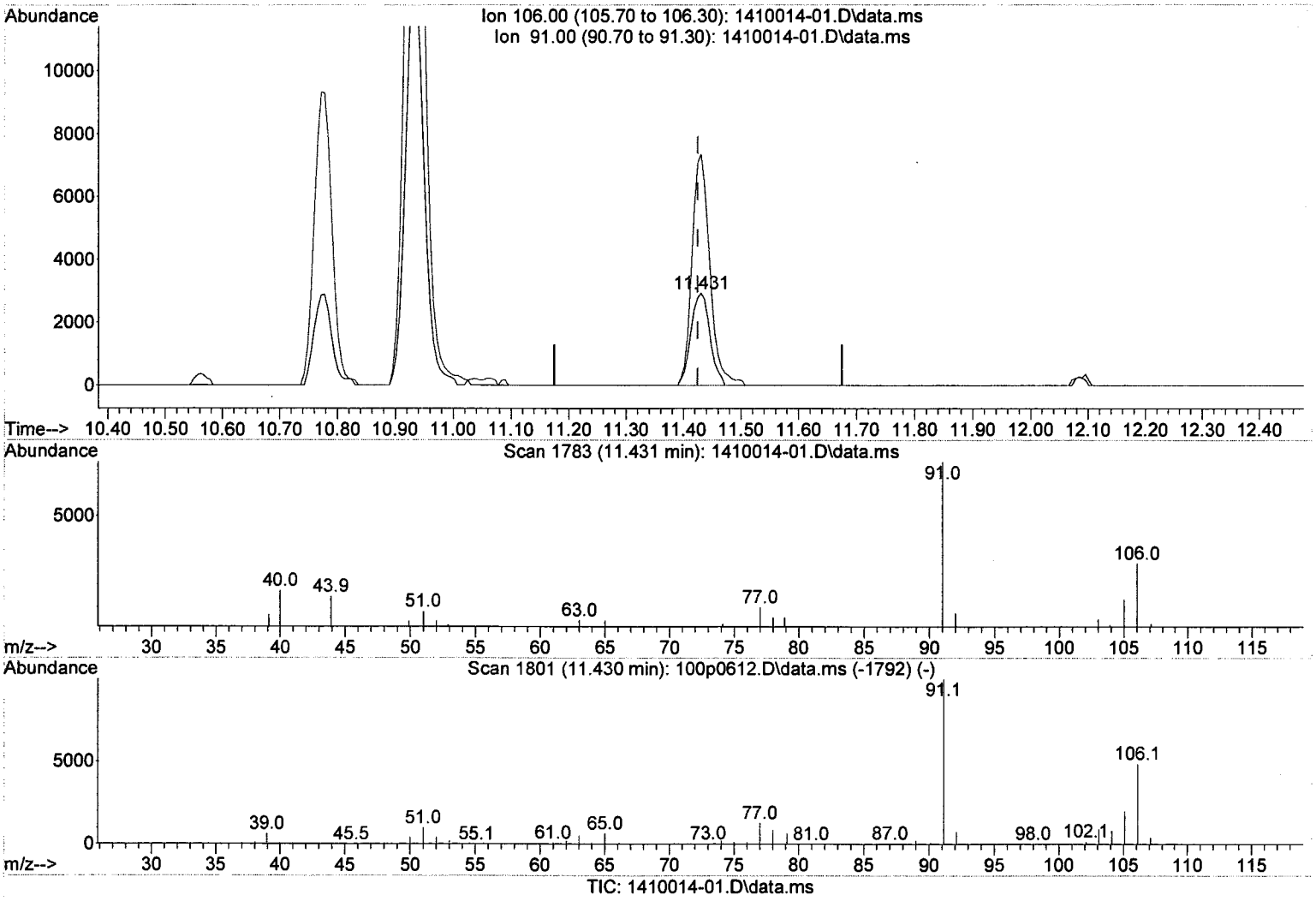
10.931min (+ 0.001) 4.29 ug/L

response 28811

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	199.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-01.D
Acq On : 09 Oct 2014 13:24
Operator : DLV
Sample : 1410014-01
Misc : AECOM
ALS Vial : 16 Sample Multiplier: 1
Quant Time: Oct 09 17:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(61) o-xylene

11.431min (+ 0.005) 1.05 ug/L

response 6671

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	236.61
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB8-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-02 File ID: 1410014-02.D

Sampled: 09/29/14 09:41 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 13:47

Solids: 97.76 Preparation: 5035A Low Concentratio Initial/Final: 4.6 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	27	4.7	5.6	5.6	
71-43-2	Benzene	1	0.56	0.18	0.56	1.1	U
108-86-1	Bromobenzene	1	0.56	0.15	0.56	1.1	U
74-97-5	Bromochloromethane	1	0.56	0.16	0.56	1.1	U
75-27-4	Bromodichloromethane	1	0.56	0.19	0.56	1.1	U
75-25-2	Bromoform	1	0.56	0.40	0.56	1.1	U
74-83-9	Bromomethane	1	0.56	0.36	0.56	1.1	U
104-51-8	n-Butylbenzene	1	0.56	0.29	0.56	1.1	U
135-98-8	sec-Butylbenzene	1	0.56	0.24	0.56	1.1	U
98-06-6	tert-Butylbenzene	1	0.56	0.19	0.56	1.1	U
75-15-0	Carbon Disulfide	1	0.56	0.26	0.56	1.1	U
56-23-5	Carbon Tetrachloride	1	0.56	0.36	0.56	1.1	U
108-90-7	Chlorobenzene	1	0.56	0.17	0.56	1.1	U
75-00-3	Chloroethane	1	1.1	0.56	1.1	1.1	U
67-66-3	Chloroform	1	0.56	0.16	0.56	1.1	U
74-87-3	Chloromethane	1	0.56	0.28	0.56	1.1	U
95-49-8	2-Chlorotoluene	1	0.56	0.32	0.56	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.66	1.1	5.6	U
124-48-1	Dibromochloromethane	1	0.56	0.21	0.56	1.1	U
106-93-4	1,2-Dibromoethane	1	0.56	0.17	0.56	1.1	U
74-95-3	Dibromomethane	1	0.56	0.25	0.56	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.56	0.16	0.56	1.1	U
75-34-3	1,1-Dichloroethane	1	0.56	0.23	0.56	1.1	U
107-06-2	1,2-Dichloroethane	1	0.56	0.25	0.56	1.1	U
75-35-4	1,1-Dichloroethene	1	0.56	0.34	0.56	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.56	0.25	0.56	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.56	0.30	0.56	1.1	U
78-87-5	1,2-Dichloropropane	1	0.56	0.19	0.56	1.1	U
142-28-9	1,3-Dichloropropane	1	0.56	0.16	0.56	1.1	U
594-20-7	2,2-Dichloropropane	1	0.56	0.25	0.56	1.1	U
563-58-6	1,1-Dichloropropene	1	0.56	0.31	0.56	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.13	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.56	0.13	0.56	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB8-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-02 File ID: 1410014-02.D

Sampled: 09/29/14 09:41 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 13:47

Solids: 97.76 Preparation: 5035A Low Concentratio Initial/Final: 4.6 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.4	0.21	0.56	1.1	
87-68-3	Hexachlorobutadiene	1	0.56	0.23	0.56	1.1	U
591-78-6	2-Hexanone	1	0.56	0.53	0.56	5.6	U
98-82-8	Isopropylbenzene	1	0.22	0.12	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.56	0.27	0.56	1.1	U
75-09-2	Methylene Chloride	1	0.93	0.52	1.1	5.6	JB
78-93-3	2-Butanone (MEK)	1	5.6	1.2	5.6	5.6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.56	0.43	0.56	5.6	U
91-20-3	Naphthalene	1	0.56	0.18	0.56	5.6	U
103-65-1	n-Propylbenzene	1	0.56	0.13	0.56	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.56	0.16	0.56	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.56	0.16	0.56	1.1	U
127-18-4	Tetrachloroethene	1	0.56	0.19	0.56	1.1	U
108-88-3	Toluene	1	2.0	0.11	0.22	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.56	0.32	0.56	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.56	0.19	0.56	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.56	0.16	0.56	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.56	0.24	0.56	1.1	U
79-01-6	Trichloroethene	1	0.56	0.27	0.56	1.1	U
75-69-4	Trichlorofluoromethane	1	0.56	0.19	0.56	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.56	0.25	0.56	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.56	0.13	0.56	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.56	0.22	0.56	1.1	U
75-01-4	Vinyl Chloride	1	0.56	0.22	0.56	1.1	U
179601-23-1	Xylene, Meta + Para	1	5.7	0.16	0.44	2.2	
95-47-6	Xylene, Ortho	1	1.7	0.12	0.22	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.7	104	78 - 119	
1,2-Dichloroethane-d4	40.0	43.1	108	71 - 136	
Toluene-d8	40.0	39.4	98	85 - 116	
4-Bromofluorobenzene	40.0	40.5	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	402677	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB8-34

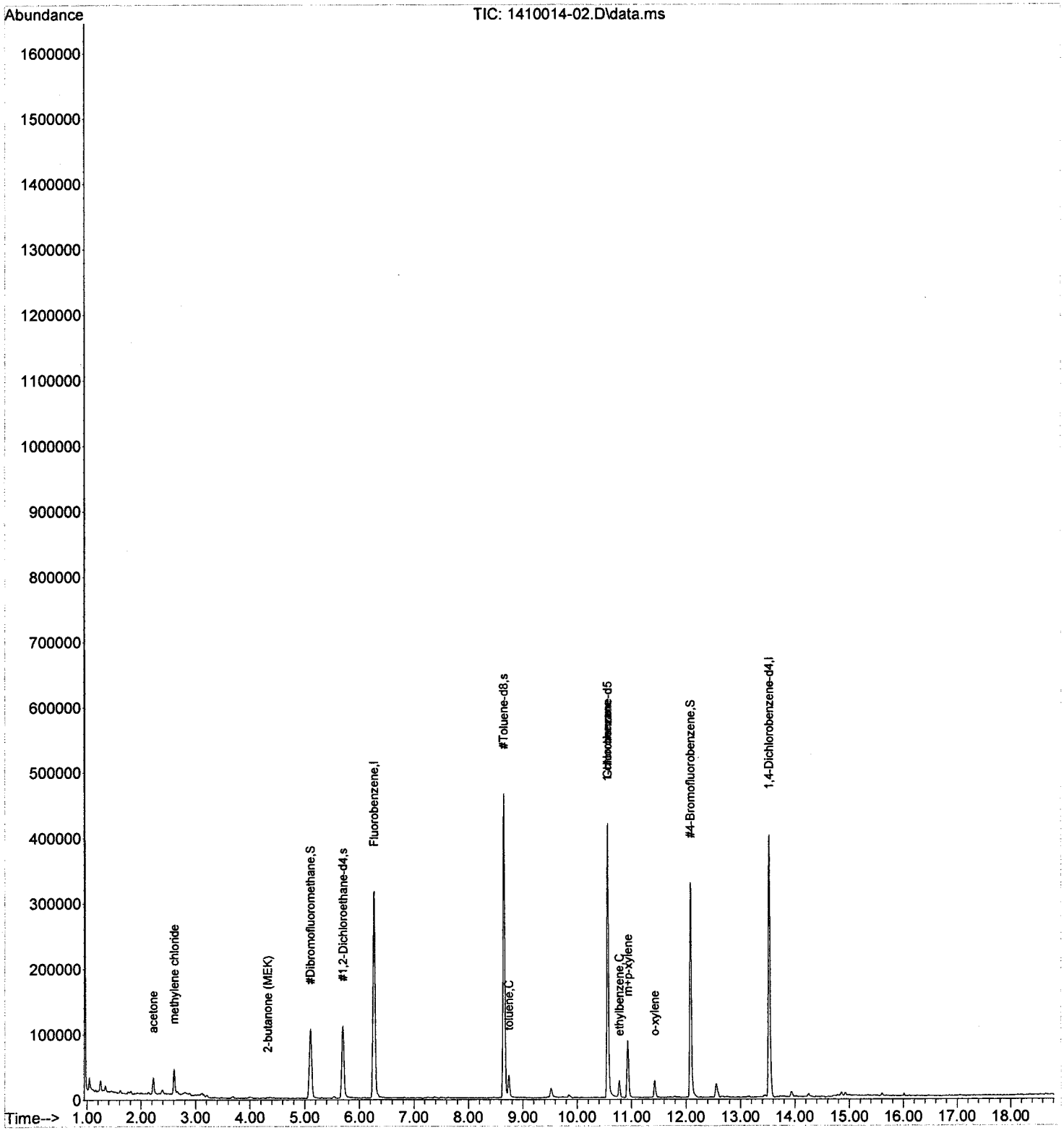
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-02
File ID: 1410014-02.D
Sampled: 09/29/14 09:41
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 13:47
Solids: 97.76
Preparation: 5035A Low Concentratio
Initial/Final: 4.6 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	291256	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	146021	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-02.D
Acq On : 09 Oct 2014 13:47
Operator : DLV
Sample : 1410014-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 09 17:04:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-02.D
Acq On : 09 Oct 2014 13:47
Operator : DLV
Sample : 1410014-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 09 17:04:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	402677	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	291256	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	146021	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	104289	41.72	ug/L		0.00
Spiked Amount 40.000			Recovery = 104.30%				
37) #1,2-Dichloroethane-d4	5.695	67	63222	43.07	ug/L		0.00
Spiked Amount 40.000			Recovery = 107.68%				
46) #Toluene-d8	8.654	98	383650	39.40	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.50%				
64) #4-Bromofluorobenzene	12.083	95	145979	40.50	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.25%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.225	43	31717	24.14	ug/L		95
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	22040	0.84	ug/L		96
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	2388	1.51	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

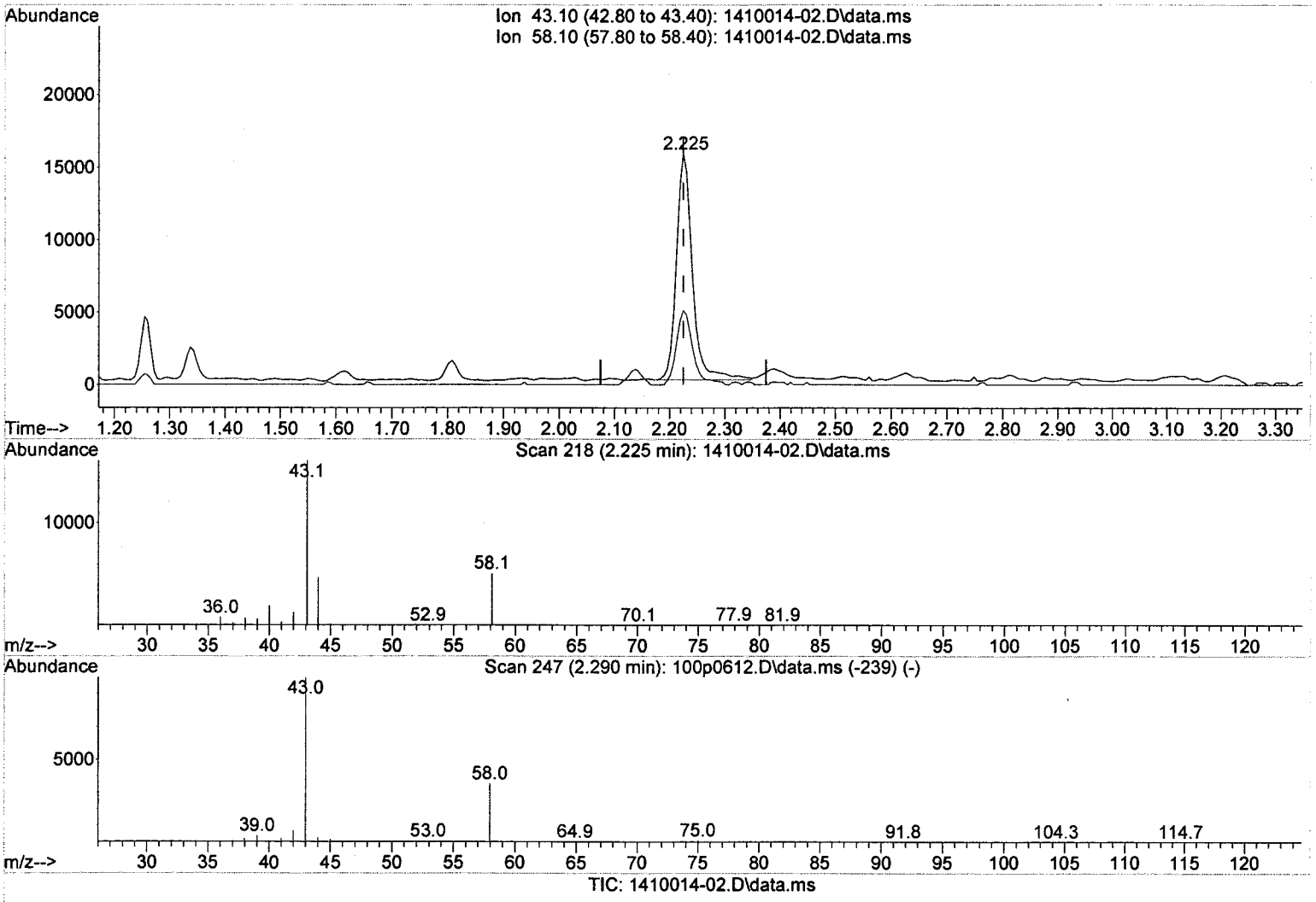
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-02.D
Acq On : 09 Oct 2014 13:47
Operator : DLV
Sample : 1410014-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 09 17:04:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.742	91	27593	1.83	ug/L		97
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	0.000		0	N.D.			
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.560	55	2422	0.61	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.777	91	22344	1.27	ug/L		99
60)	m+p-xylene	10.936	106	33171	5.14	ug/L		99
61)	o-xylene	11.430	106	9316	1.52	ug/L	#	87
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	0.000		0	N.D.			
77)	sec-butylbenzene	0.000		0	N.D.			
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-02.D
Acq On : 09 Oct 2014 13:47
Operator : DLV
Sample : 1410014-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 09 17:04:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-02.D\data.ms

(13) acetone

2.225min (-0.000) 24.14 ug/L

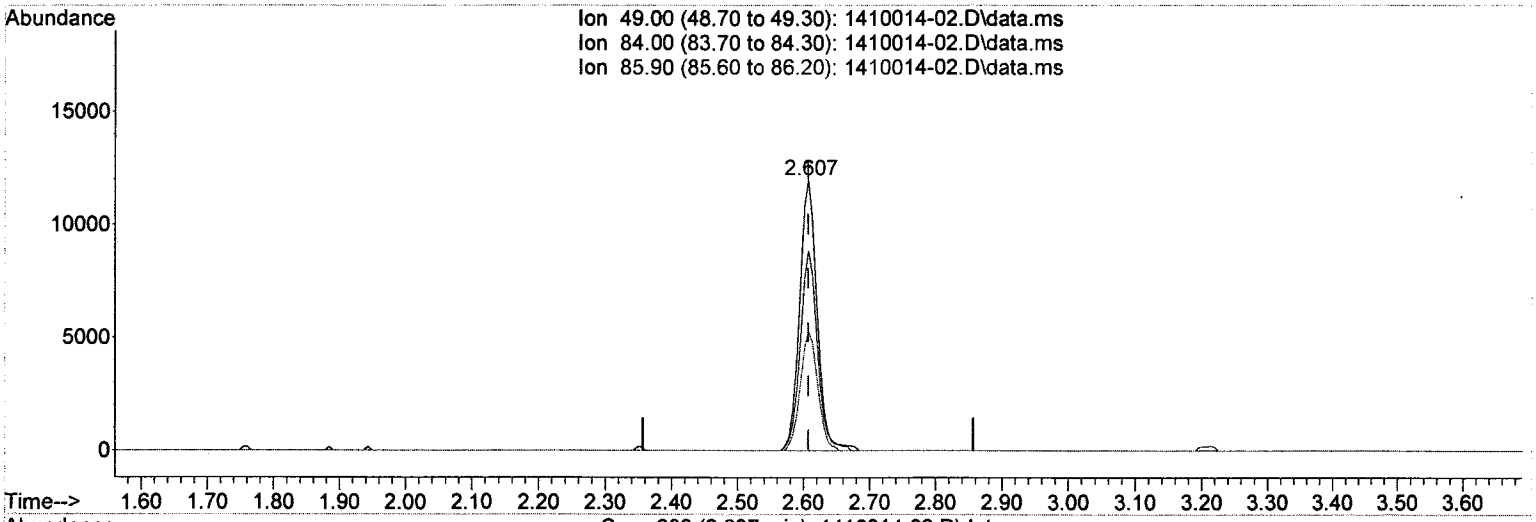
response 31717

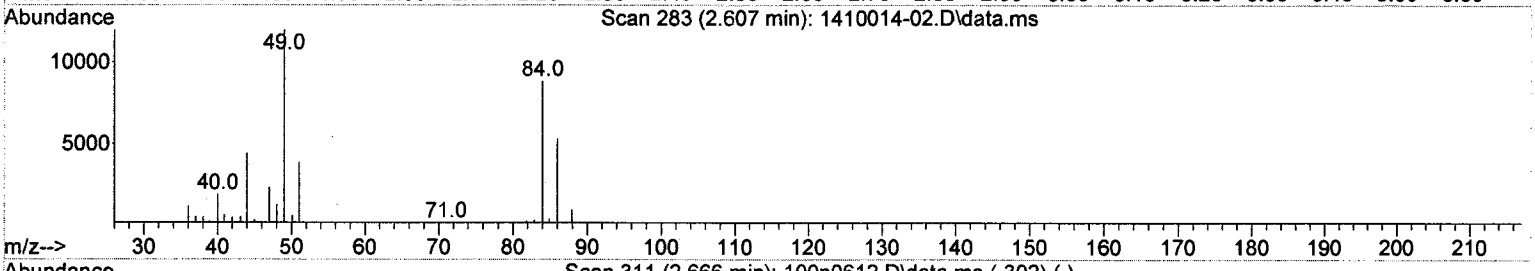
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	33.84
0.00	0.00	0.00
0.00	0.00	0.00

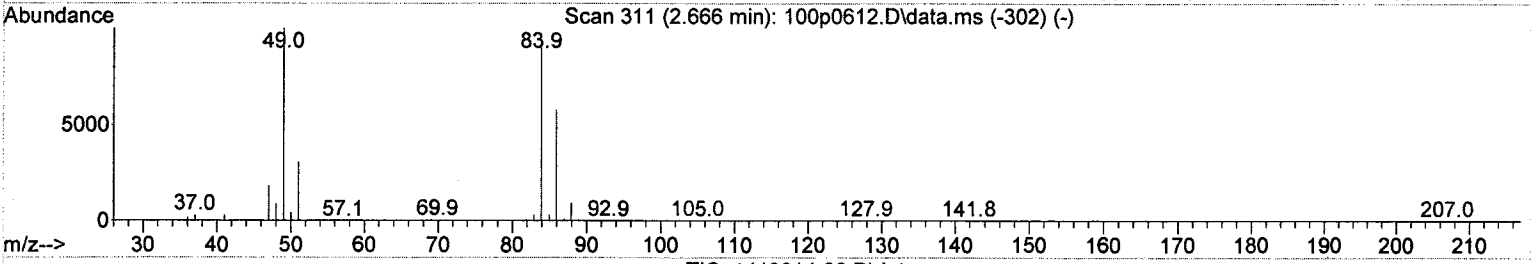
001106

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-02.D
Acq On : 09 Oct 2014 13:47
Operator : DLV
Sample : 1410014-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 09 17:04:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410014-02.D\data.ms

(17) methylene chloride

2.607min (+ 0.000) 0.84 ug/L

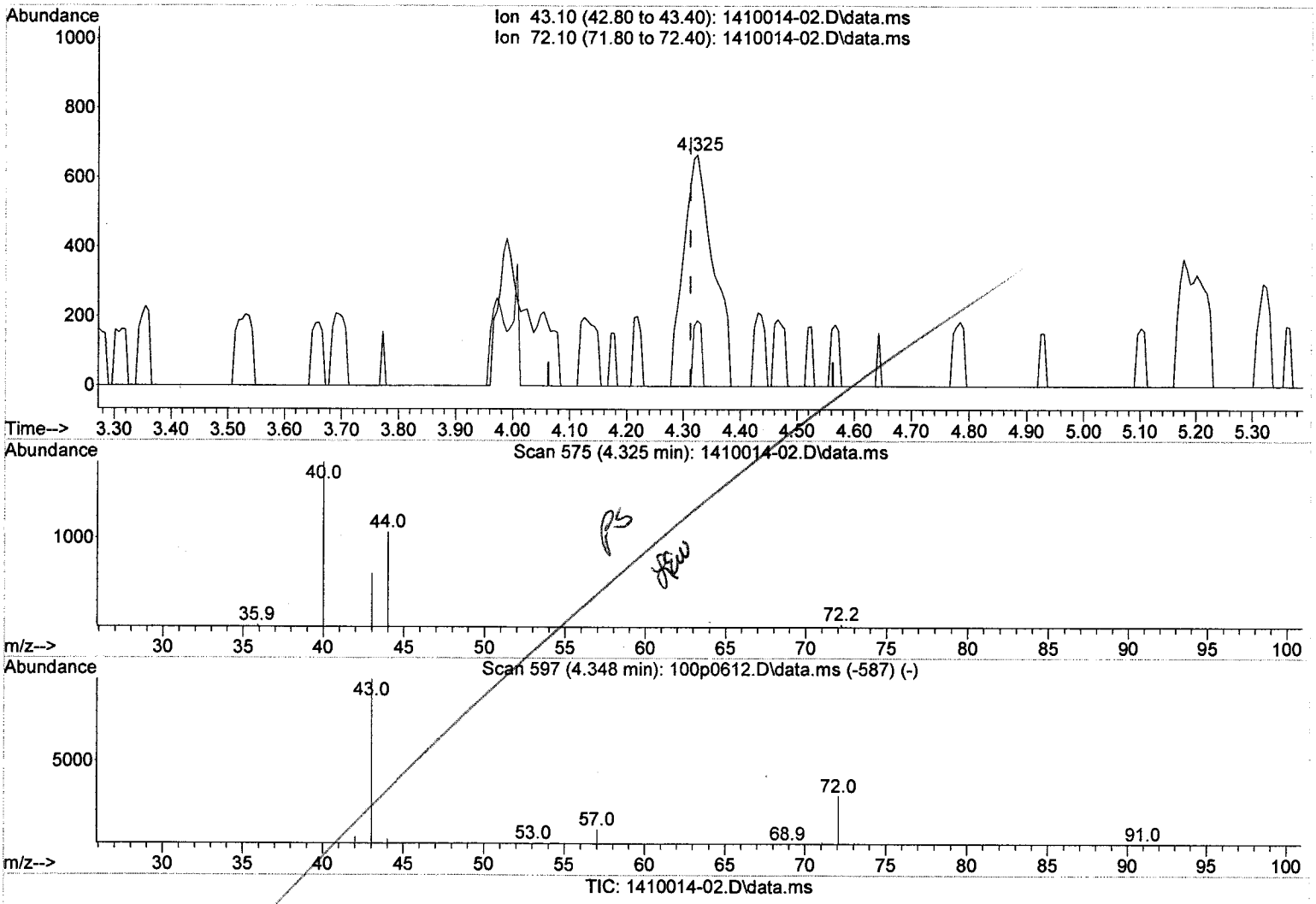
response 22040

Ion	Exp%	Act%
49.00	100.00	100.00
84.00	74.80	72.79
85.90	48.00	43.97
0.00	0.00	0.00

001107

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-02.D
Acq On : 09 Oct 2014 13:47
Operator : DLV
Sample : 1410014-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 09 17:04:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-02.D\data.ms

(25) 2-butanone (MEK)

4.325min (+ 0.012) 1.51 ug/L

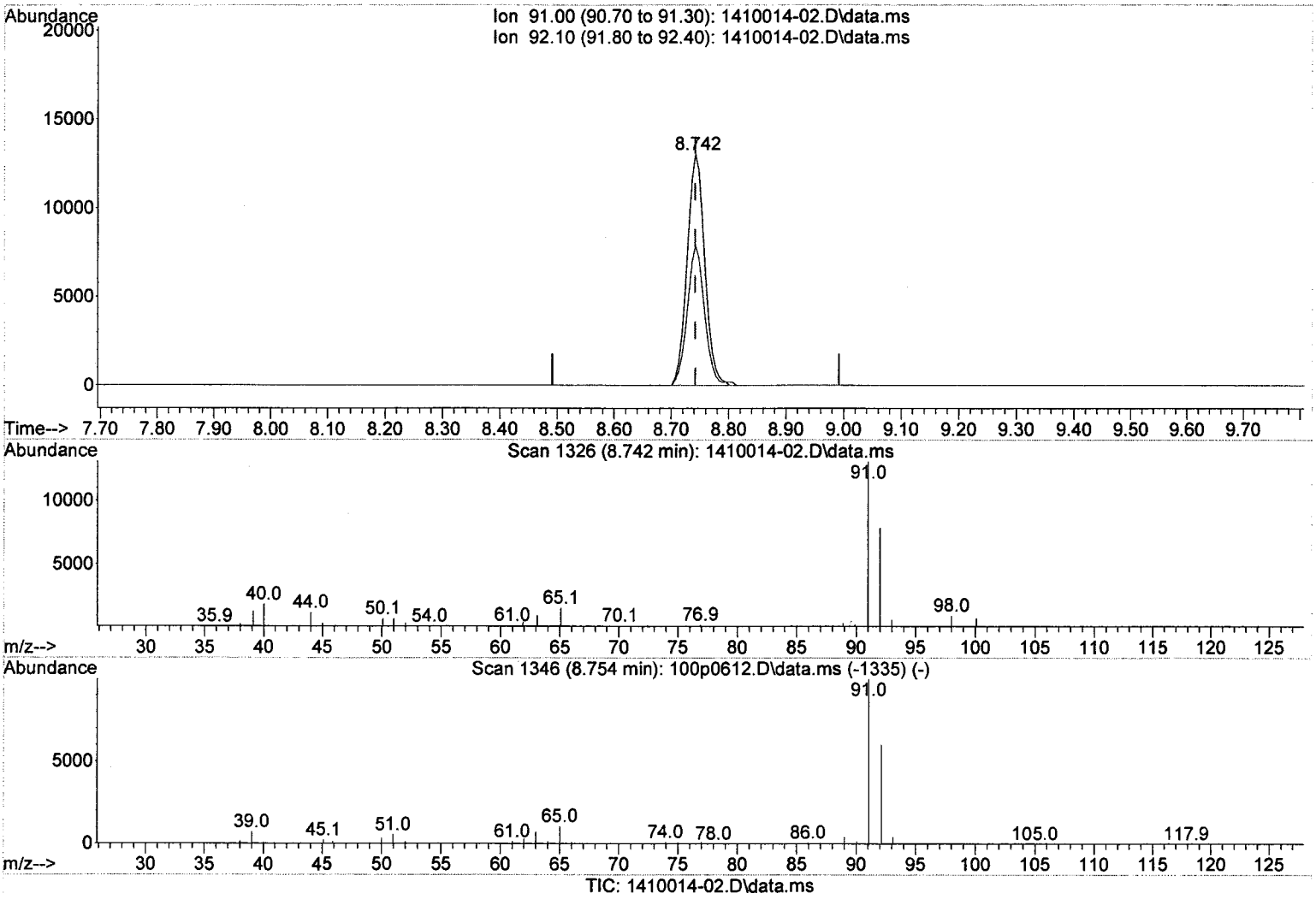
response 2388

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

001108

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-02.D
Acq On : 09 Oct 2014 13:47
Operator : DLV
Sample : 1410014-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 09 17:04:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-02.D\data.ms

(47) toluene (C)

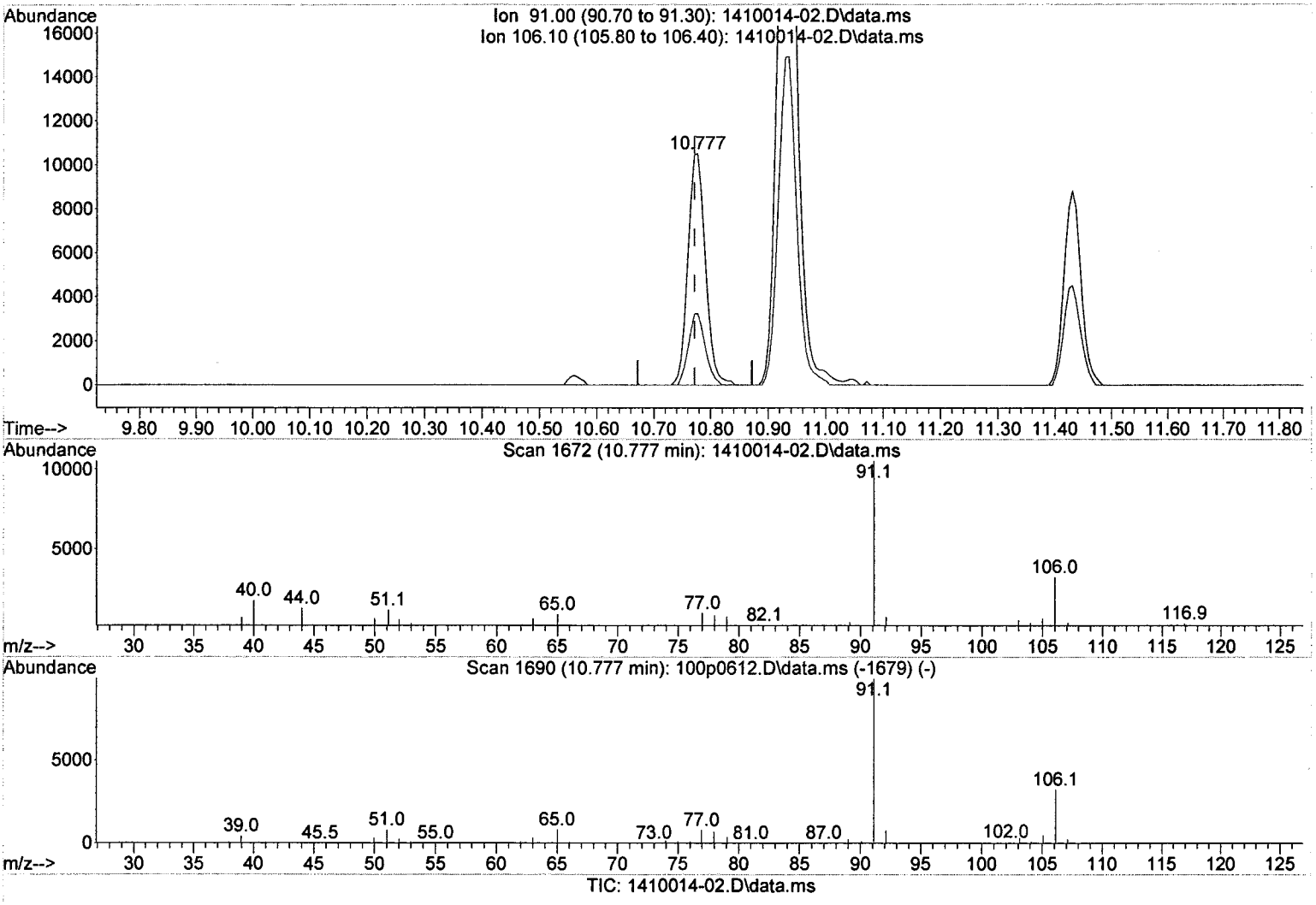
8.742min (+ 0.000) 1.83 ug/L

response 27593

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	59.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-02.D
Acq On : 09 Oct 2014 13:47
Operator : DLV
Sample : 1410014-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 09 17:04:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-02.D\data.ms

(59) ethylbenzene (C)

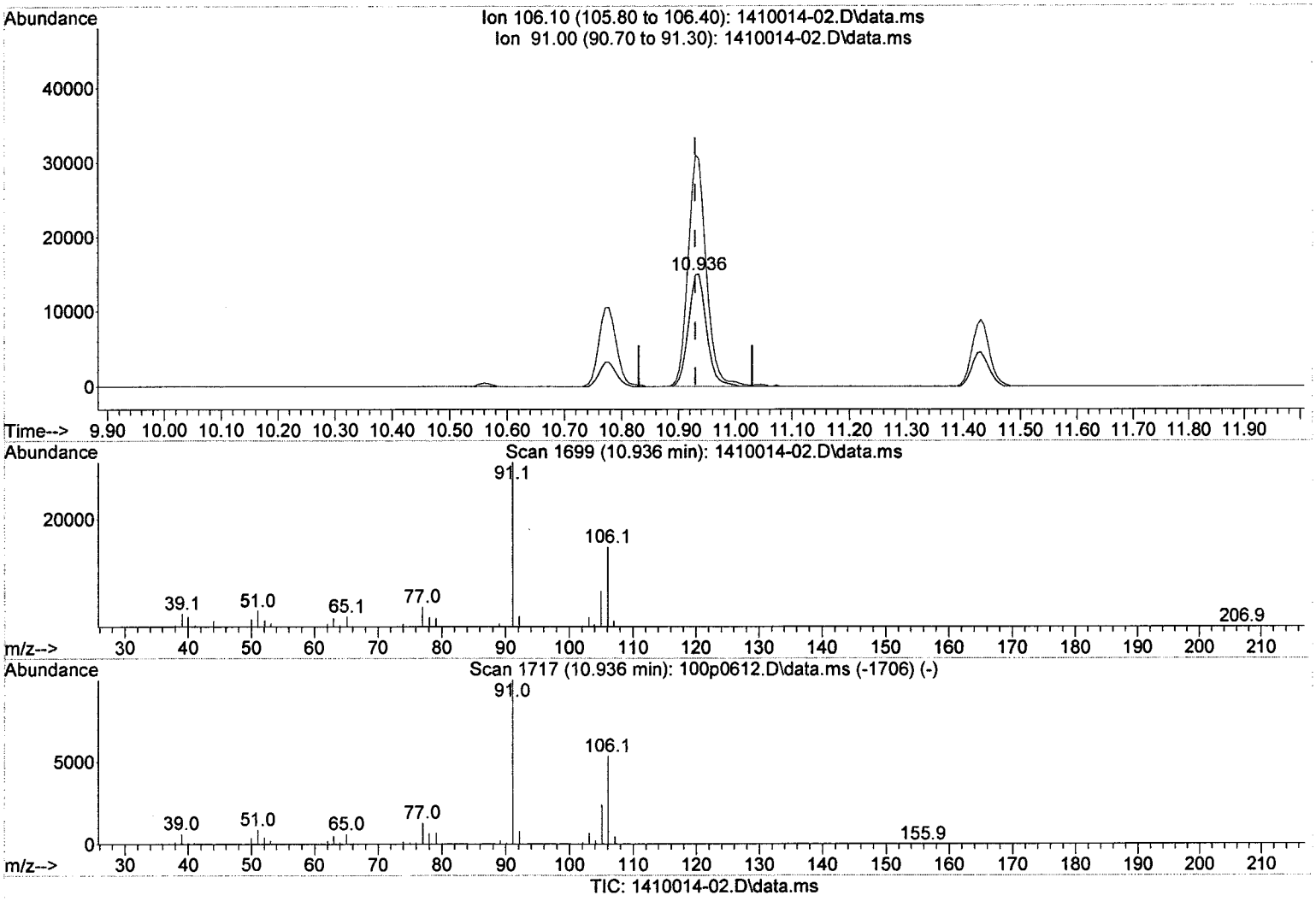
10.777min (+ 0.005) 1.27 ug/L

response 22344

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	29.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-02.D
Acq On : 09 Oct 2014 13:47
Operator : DLV
Sample : 1410014-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 09 17:04:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-02.D\data.ms

(60) m+p-xylene

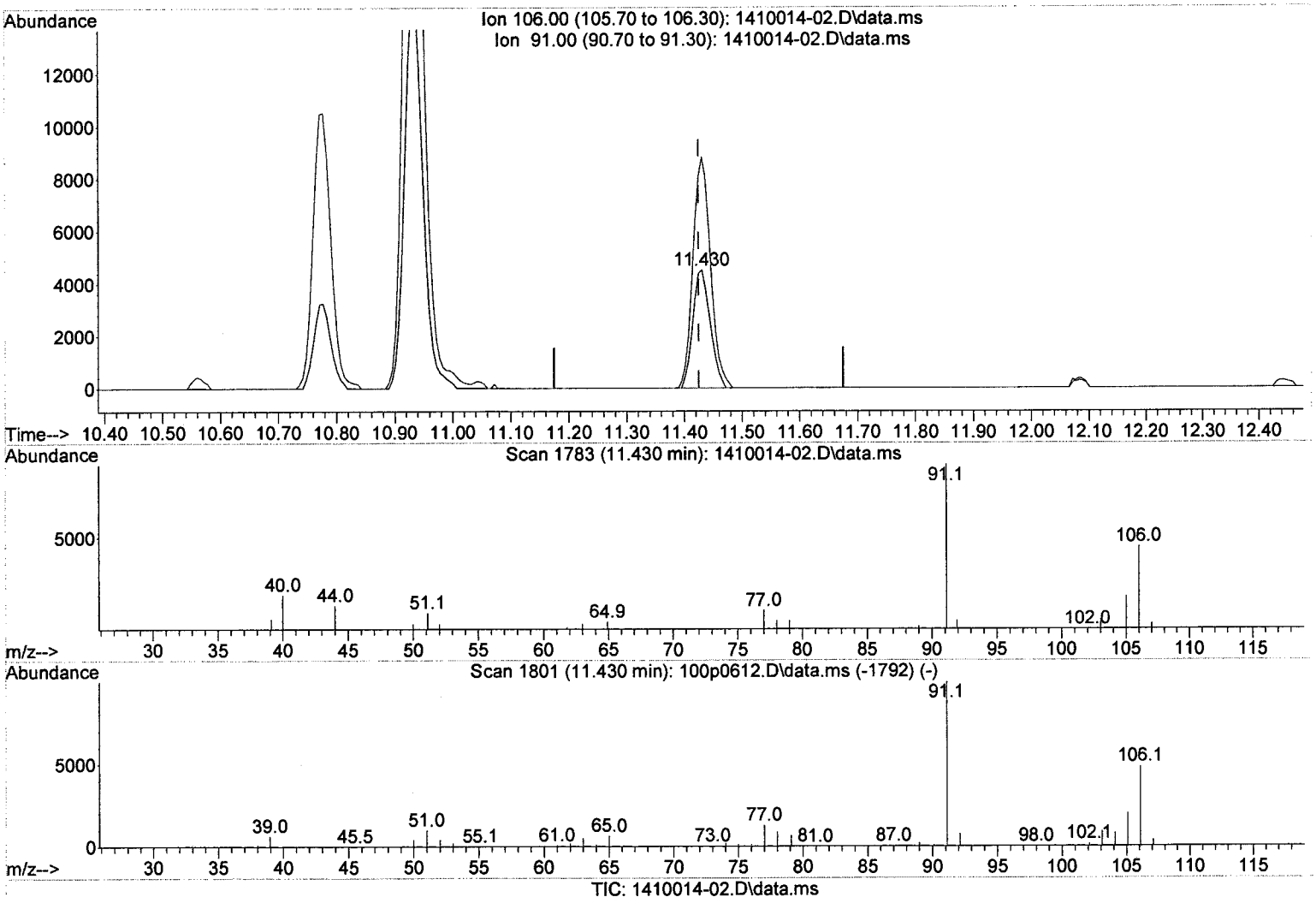
10.936min (+ 0.006) 5.14 ug/L

response 33171

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	208.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-02.D
Acq On : 09 Oct 2014 13:47
Operator : DLV
Sample : 1410014-02
Misc : AECOM
ALS Vial : 17 Sample Multiplier: 1
Quant Time: Oct 09 17:04:02 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-02.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 1.52 ug/L

response 9316

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	198.58#
0.00	0.00	0.00
0.00	0.00	0.00

001112

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB9-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-03 File ID: 1410014-03.D

Sampled: 09/29/14 11:11 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 14:10

Solids: 97.69 Preparation: 5035A Low Concentratio Initial/Final: 4.3 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	23	5.0	6.0	6.0	
71-43-2	Benzene	1	0.60	0.19	0.60	1.2	U
108-86-1	Bromobenzene	1	0.60	0.16	0.60	1.2	U
74-97-5	Bromochloromethane	1	0.60	0.17	0.60	1.2	U
75-27-4	Bromodichloromethane	1	0.60	0.21	0.60	1.2	U
75-25-2	Bromoform	1	0.60	0.42	0.60	1.2	U
74-83-9	Bromomethane	1	0.60	0.39	0.60	1.2	U
104-51-8	n-Butylbenzene	1	0.60	0.31	0.60	1.2	U
135-98-8	sec-Butylbenzene	1	0.60	0.25	0.60	1.2	U
98-06-6	tert-Butylbenzene	1	0.60	0.20	0.60	1.2	U
75-15-0	Carbon Disulfide	1	0.60	0.27	0.60	1.2	U
56-23-5	Carbon Tetrachloride	1	0.60	0.39	0.60	1.2	U
108-90-7	Chlorobenzene	1	0.60	0.18	0.60	1.2	U
75-00-3	Chloroethane	1	1.2	0.60	1.2	1.2	U
67-66-3	Chloroform	1	0.60	0.17	0.60	1.2	U
74-87-3	Chloromethane	1	0.60	0.30	0.60	1.2	U
95-49-8	2-Chlorotoluene	1	0.60	0.35	0.60	1.2	U
106-43-4	4-Chlorotoluene	1	0.24	0.24	0.24	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.2	0.70	1.2	6.0	U
124-48-1	Dibromochloromethane	1	0.60	0.22	0.60	1.2	U
106-93-4	1,2-Dibromoethane	1	0.60	0.18	0.60	1.2	U
74-95-3	Dibromomethane	1	0.60	0.27	0.60	1.2	U
95-50-1	1,2-Dichlorobenzene	1	0.24	0.11	0.24	1.2	U
541-73-1	1,3-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
106-46-7	1,4-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
75-71-8	Dichlorodifluoromethane	1	0.60	0.17	0.60	1.2	U
75-34-3	1,1-Dichloroethane	1	0.60	0.25	0.60	1.2	U
107-06-2	1,2-Dichloroethane	1	0.60	0.27	0.60	1.2	U
75-35-4	1,1-Dichloroethene	1	0.60	0.36	0.60	1.2	U
156-59-2	cis-1,2-Dichloroethene	1	0.60	0.27	0.60	1.2	U
156-60-5	trans-1,2-Dichloroethene	1	0.60	0.32	0.60	1.2	U
78-87-5	1,2-Dichloropropane	1	0.60	0.20	0.60	1.2	U
142-28-9	1,3-Dichloropropane	1	0.60	0.17	0.60	1.2	U
594-20-7	2,2-Dichloropropane	1	0.60	0.27	0.60	1.2	U
563-58-6	1,1-Dichloropropene	1	0.60	0.33	0.60	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1	0.24	0.13	0.24	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1	0.60	0.14	0.60	1.2	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB9-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-03 File ID: 1410014-03.D

Sampled: 09/29/14 11:11 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 14:10

Solids: 97.69 Preparation: 5035A Low Concentratio Initial/Final: 4.3 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.3	0.22	0.60	1.2	
87-68-3	Hexachlorobutadiene	1	0.60	0.25	0.60	1.2	U
591-78-6	2-Hexanone	1	0.60	0.57	0.60	6.0	U
98-82-8	Isopropylbenzene	1	0.24	0.13	0.24	1.2	U
99-87-6	4-Isopropyltoluene	1	0.60	0.29	0.60	1.2	U
75-09-2	Methylene Chloride	1	1.2	0.56	1.2	6.0	U
78-93-3	2-Butanone (MEK)	1	6.0	1.3	6.0	6.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.60	0.46	0.60	6.0	U
91-20-3	Naphthalene	1	0.60	0.19	0.60	6.0	U
103-65-1	n-Propylbenzene	1	0.60	0.14	0.60	1.2	U
100-42-5	Styrene	1	0.24	0.24	0.24	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.60	0.18	0.60	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.60	0.17	0.60	1.2	U
127-18-4	Tetrachloroethene	1	0.60	0.20	0.60	1.2	U
108-88-3	Toluene	1	1.9	0.12	0.24	1.2	
87-61-6	1,2,3-Trichlorobenzene	1	0.60	0.34	0.60	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1	0.60	0.20	0.60	1.2	U
71-55-6	1,1,1-Trichloroethane	1	0.60	0.17	0.60	1.2	U
79-00-5	1,1,2-Trichloroethane	1	0.60	0.25	0.60	1.2	U
79-01-6	Trichloroethene	1	0.60	0.29	0.60	1.2	U
75-69-4	Trichlorofluoromethane	1	0.60	0.20	0.60	1.2	U
96-18-4	1,2,3-Trichloropropane	1	0.60	0.27	0.60	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1	0.60	0.14	0.60	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1	0.60	0.23	0.60	1.2	U
75-01-4	Vinyl Chloride	1	0.60	0.24	0.60	1.2	U
179601-23-1	Xylene, Meta + Para	1	5.4	0.17	0.48	2.4	
95-47-6	Xylene, Ortho	1	1.5	0.13	0.24	1.2	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.7	104	78 - 119	
1,2-Dichloroethane-d4	40.0	44.6	112	71 - 136	
Toluene-d8	40.0	39.8	99	85 - 116	
4-Bromofluorobenzene	40.0	41.0	103	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	420075	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB9-20

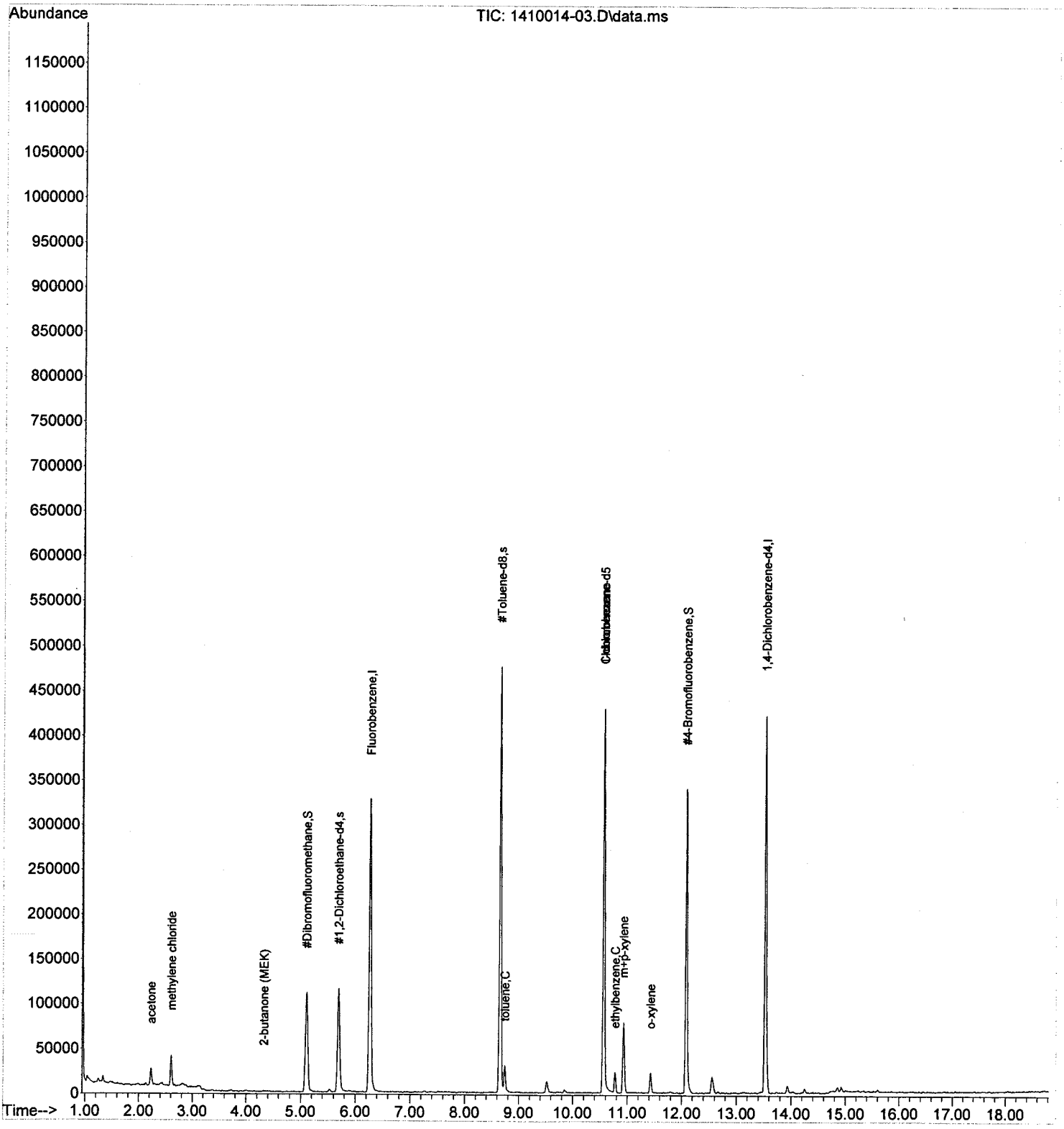
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-03
File ID: 1410014-03.D
Sampled: 09/29/14 11:11
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 14:10
Solids: 97.69
Preparation: 5035A Low Concentratio
Initial/Final: 4.3 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	298609	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	150256	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-03.D
Acq On : 09 Oct 2014 14:10
Operator : DLV
Sample : 1410014-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 09 17:04:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-03.D
Acq On : 09 Oct 2014 14:10
Operator : DLV
Sample : 1410014-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 09 17:04:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	420075	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	298609	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	150256	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	108827	41.73	ug/L		0.00
Spiked Amount 40.000			Recovery = 104.33%				
37) #1,2-Dichloroethane-d4	5.689	67	68348	44.63	ug/L		0.00
Spiked Amount 40.000			Recovery = 111.58%				
46) #Toluene-d8	8.654	98	404154	39.79	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.48%				
64) #4-Bromofluorobenzene	12.083	95	151617	41.03	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.57%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	27806	19.28	ug/L		93
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	20025	0.23	ug/L		97
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	1815	1.10	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

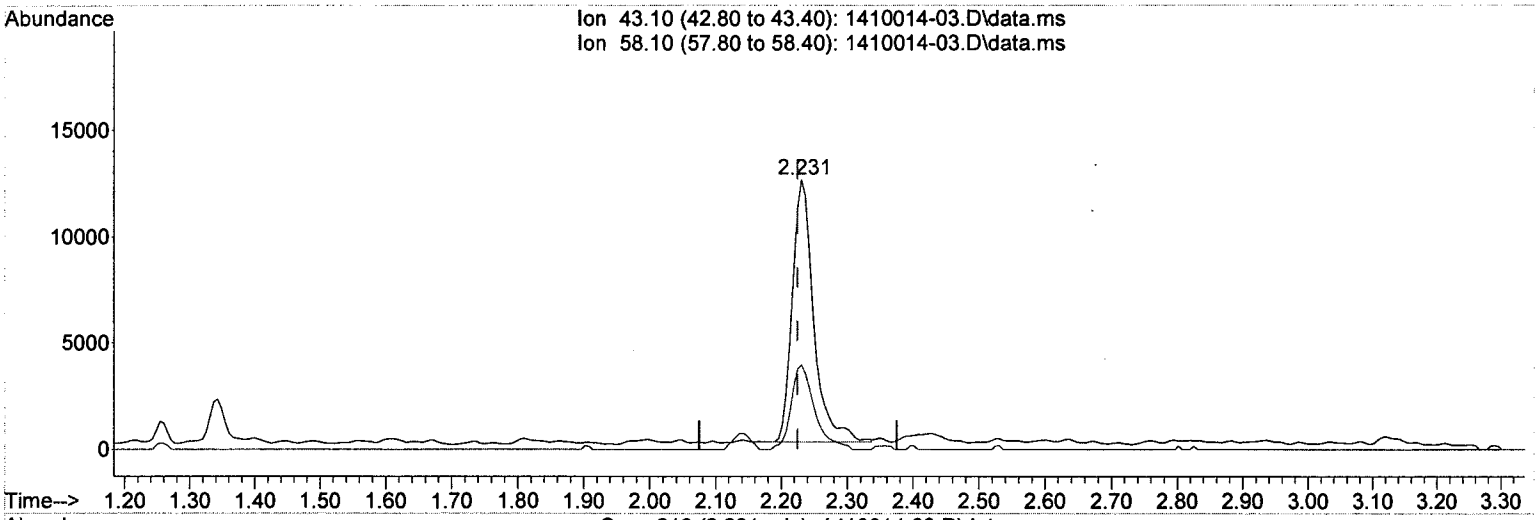
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-03.D
Acq On : 09 Oct 2014 14:10
Operator : DLV
Sample : 1410014-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 09 17:04:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

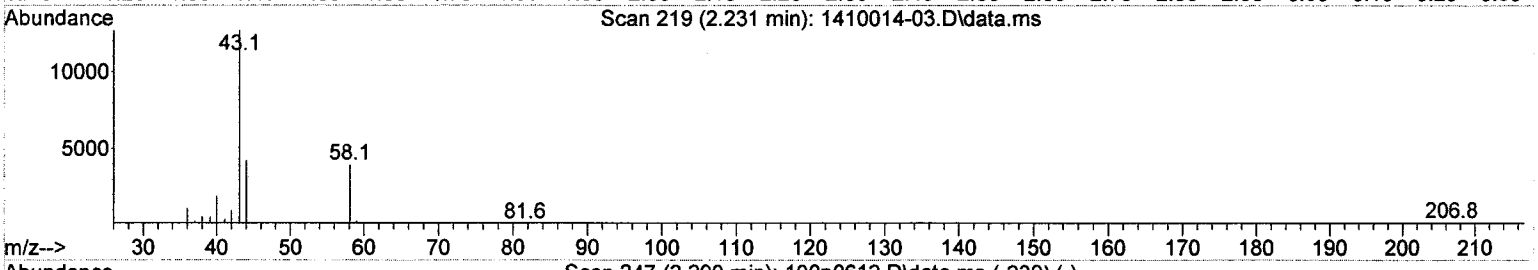
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	8.742	91	24910	1.58	ug/L	96
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.566	55	2914	0.72	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	10.772	91	19466	1.08	ug/L	96
60) m+p-xylene	10.930	106	29896	4.52	ug/L	96
61) o-xylene	11.430	106	7684	1.23	ug/L	95
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	0.000		0	N.D.		
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

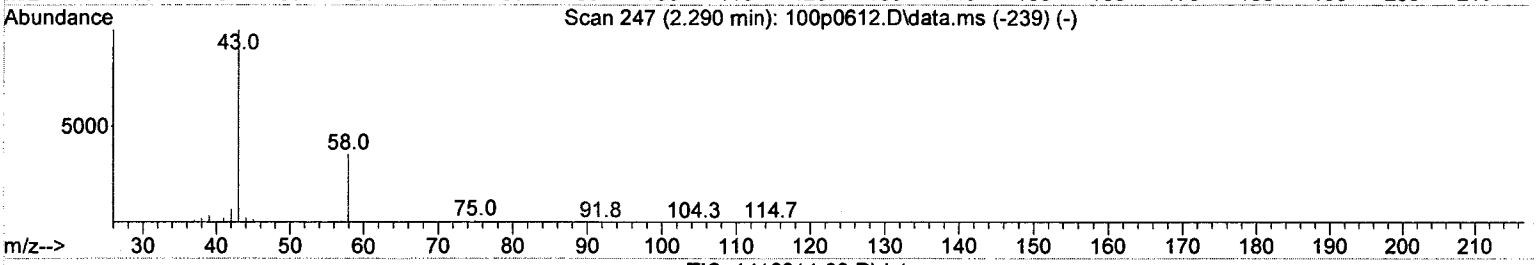
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-03.D
Acq On : 09 Oct 2014 14:10
Operator : DLV
Sample : 1410014-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 09 17:04:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410014-03.D\data.ms

(13) acetone

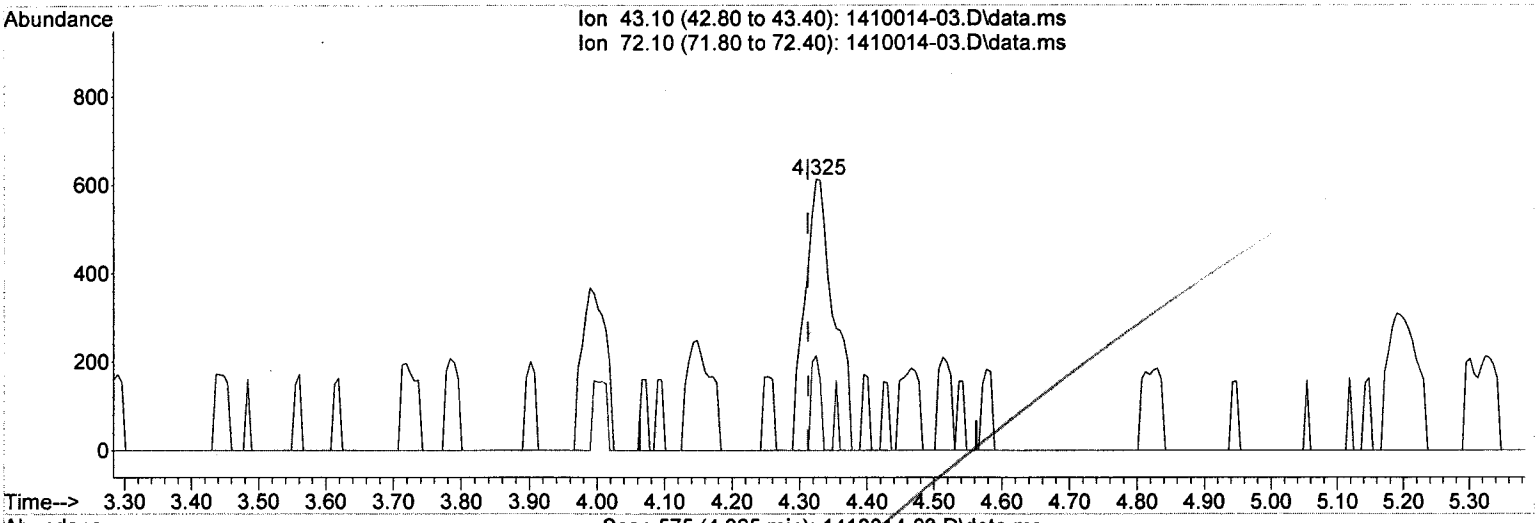
2.231min (+ 0.006) 19.28 ug/L

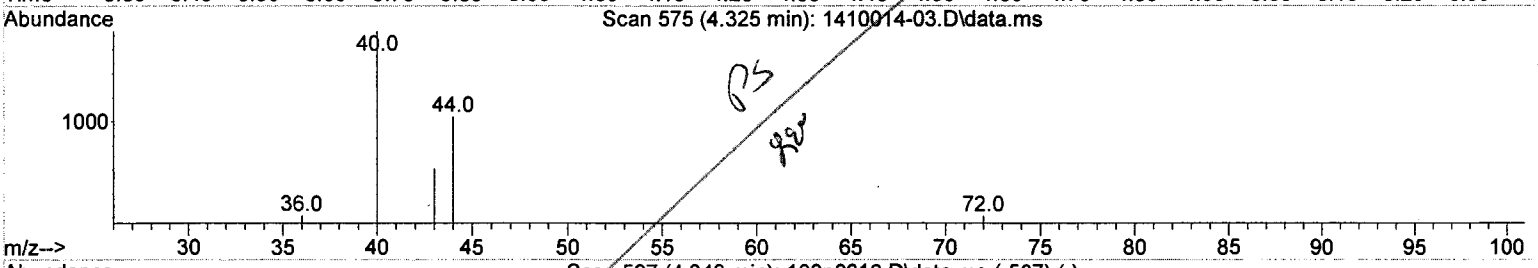
response 27806

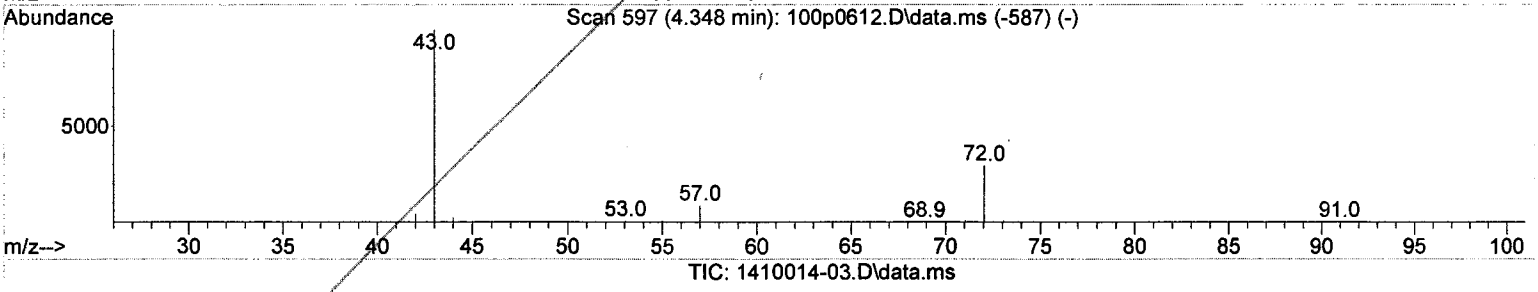
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	34.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-03.D
Acq On : 09 Oct 2014 14:10
Operator : DLV
Sample : 1410014-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 09 17:04:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410014-03.D\data.ms

(25) 2-butanone (MEK)

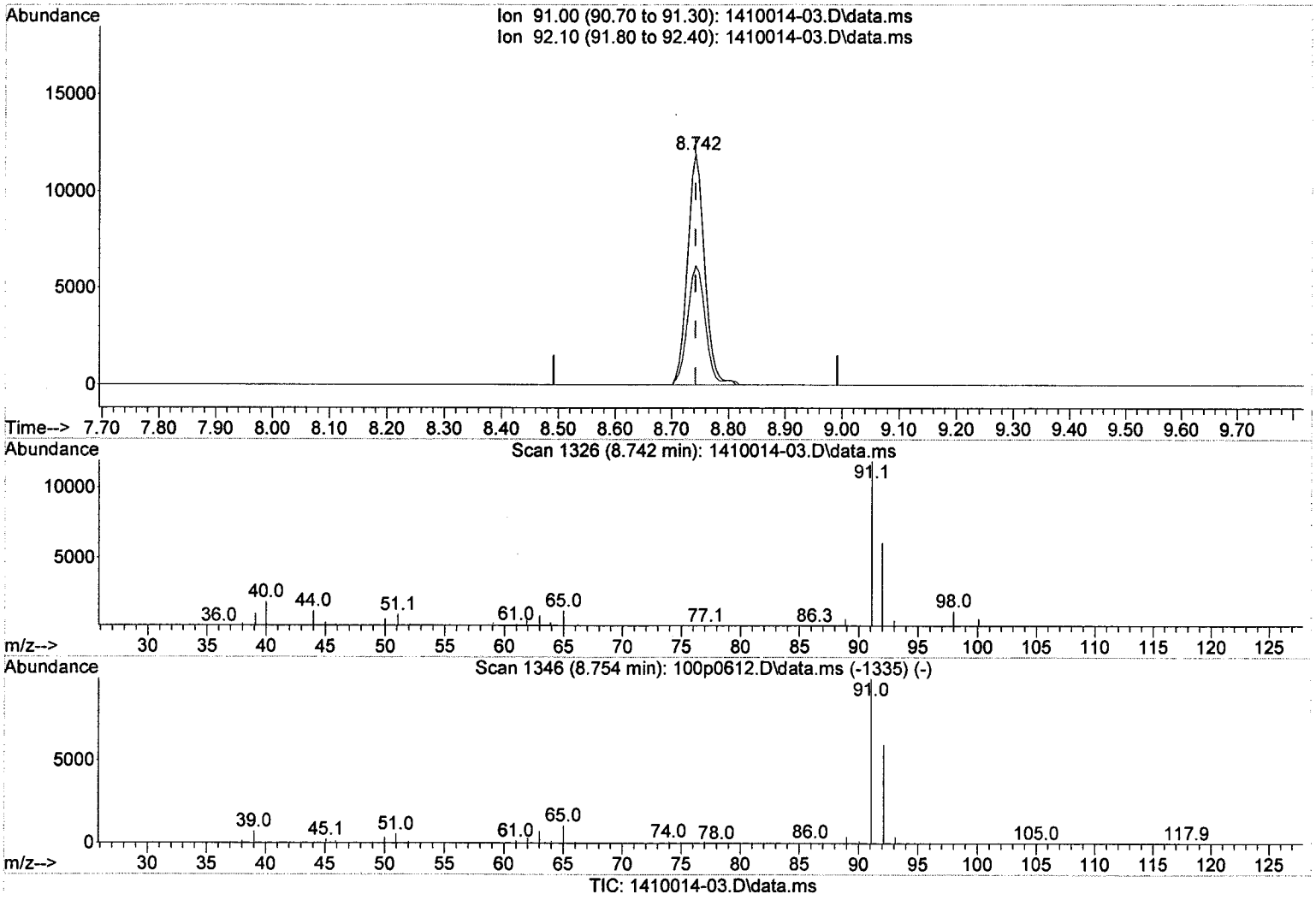
4.325min (+ 0.012) 1.10 ug/L

response 1815

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-03.D
Acq On : 09 Oct 2014 14:10
Operator : DLV
Sample : 1410014-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 09 17:04:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-03.D\data.ms

(47) toluene (C)

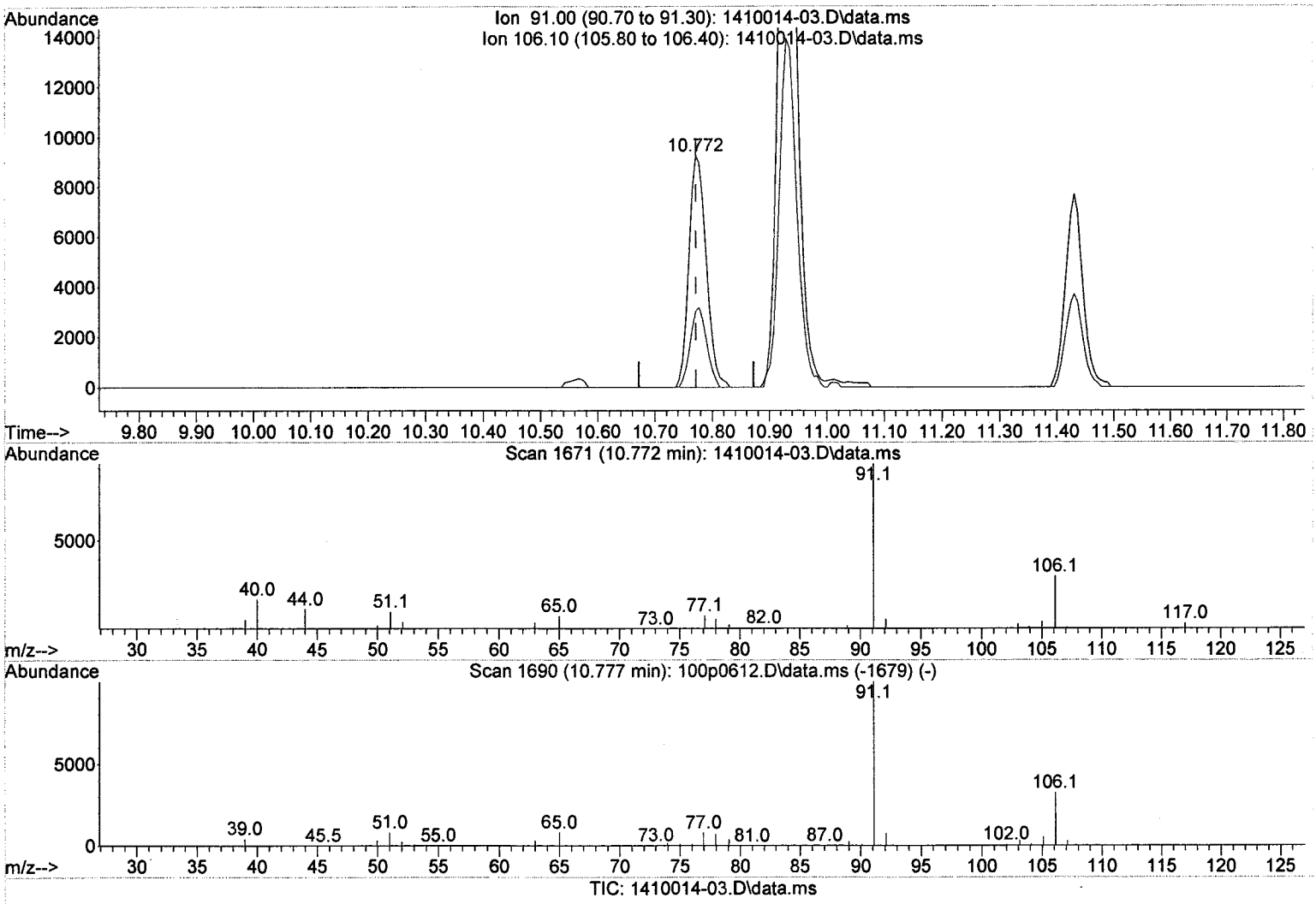
8.742min (+ 0.000) 1.58 ug/L

response 24910

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	53.97
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-03.D
Acq On : 09 Oct 2014 14:10
Operator : DLV
Sample : 1410014-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 09 17:04:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-03.D\data.ms

(59) ethylbenzene (C)

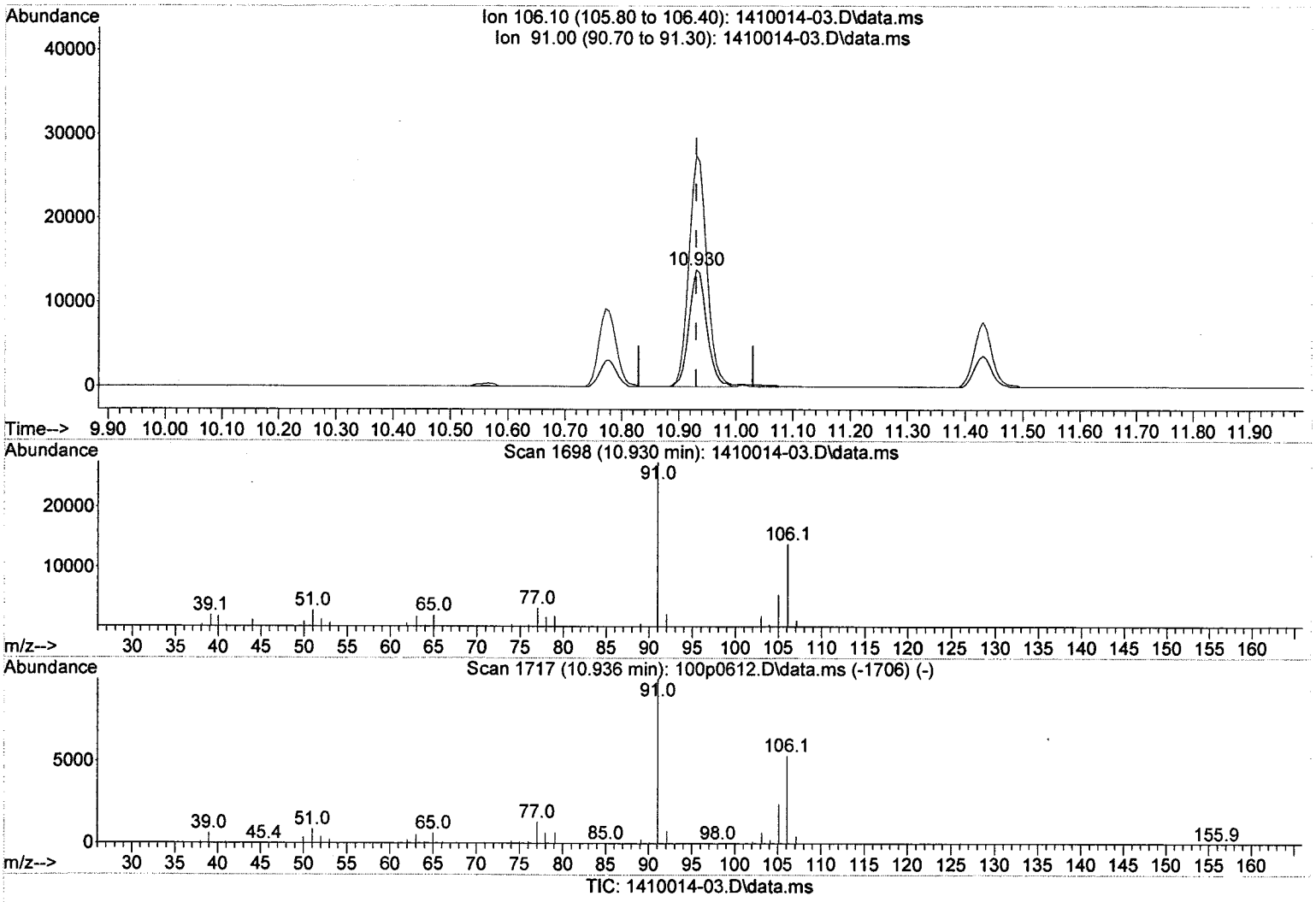
10.772min (-0.000) 1.08 ug/L

response 19466

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	32.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-03.D
Acq On : 09 Oct 2014 14:10
Operator : DLV
Sample : 1410014-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 09 17:04:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-03.D\data.ms

(60) m+p-xylene

10.930min (+ 0.000) 4.52 ug/L

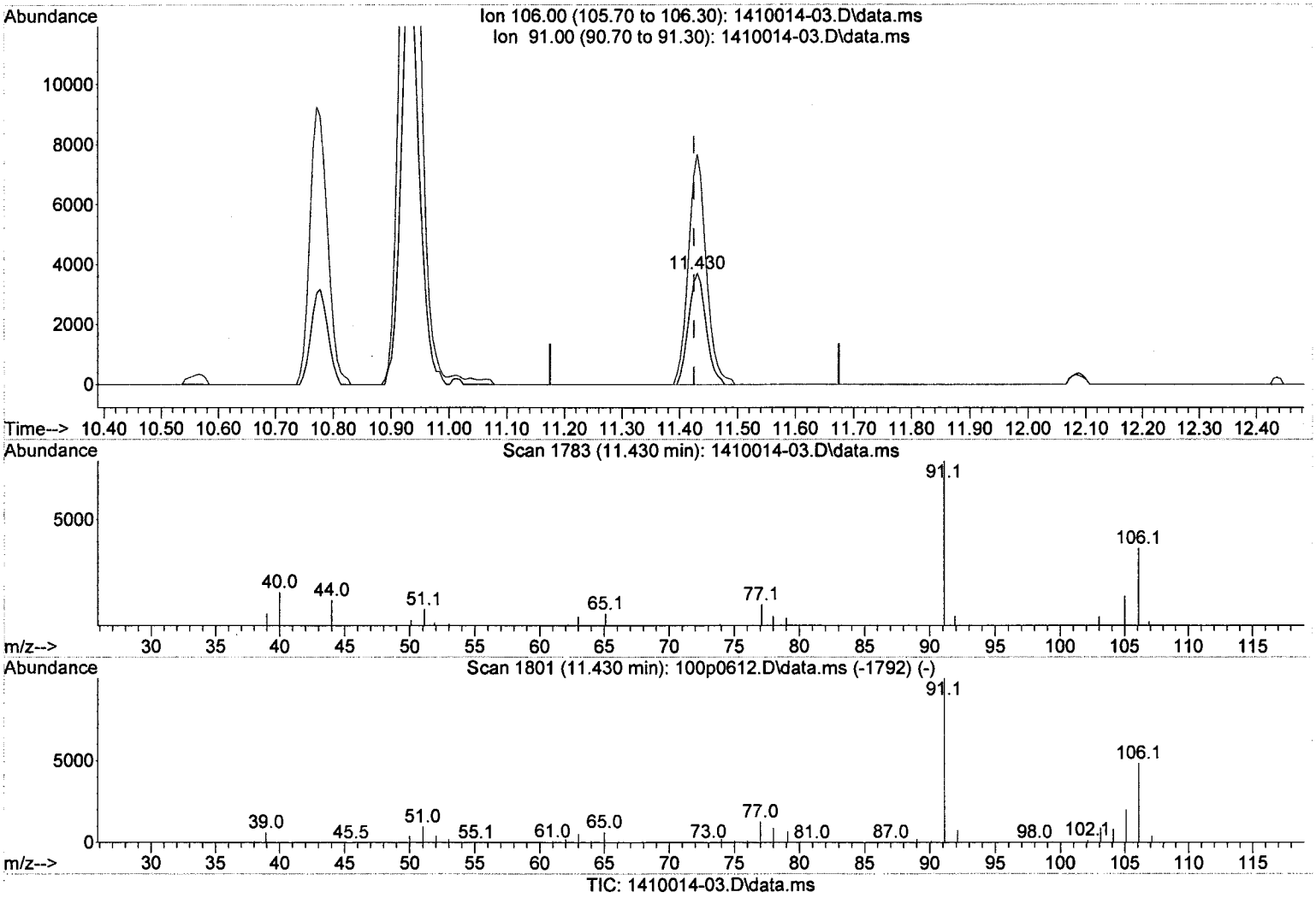
response 29896

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	200.84
0.00	0.00	0.00
0.00	0.00	0.00

001123

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-03.D
Acq On : 09 Oct 2014 14:10
Operator : DLV
Sample : 1410014-03
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 09 17:04:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-03.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 1.23 ug/L

response 7684

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	212.66
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB9-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-04 File ID: 1410014-04.D

Sampled: 09/29/14 11:26 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 14:34

Solids: 97.48 Preparation: 5035A Low Concentratio Initial/Final: 4.3 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	17	5.0	6.0	6.0	
71-43-2	Benzene	1	0.60	0.19	0.60	1.2	U
108-86-1	Bromobenzene	1	0.60	0.16	0.60	1.2	U
74-97-5	Bromochloromethane	1	0.60	0.17	0.60	1.2	U
75-27-4	Bromodichloromethane	1	0.60	0.21	0.60	1.2	U
75-25-2	Bromoform	1	0.60	0.43	0.60	1.2	U
74-83-9	Bromomethane	1	0.60	0.39	0.60	1.2	U
104-51-8	n-Butylbenzene	1	0.60	0.31	0.60	1.2	U
135-98-8	sec-Butylbenzene	1	0.60	0.25	0.60	1.2	U
98-06-6	tert-Butylbenzene	1	0.60	0.20	0.60	1.2	U
75-15-0	Carbon Disulfide	1	0.60	0.28	0.60	1.2	U
56-23-5	Carbon Tetrachloride	1	0.60	0.39	0.60	1.2	U
108-90-7	Chlorobenzene	1	0.60	0.18	0.60	1.2	U
75-00-3	Chloroethane	1	1.2	0.60	1.2	1.2	U
67-66-3	Chloroform	1	0.60	0.17	0.60	1.2	U
74-87-3	Chloromethane	1	0.60	0.30	0.60	1.2	U
95-49-8	2-Chlorotoluene	1	0.60	0.35	0.60	1.2	U
106-43-4	4-Chlorotoluene	1	0.24	0.24	0.24	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.2	0.70	1.2	6.0	U
124-48-1	Dibromochloromethane	1	0.60	0.22	0.60	1.2	U
106-93-4	1,2-Dibromoethane	1	0.60	0.18	0.60	1.2	U
74-95-3	Dibromomethane	1	0.60	0.27	0.60	1.2	U
95-50-1	1,2-Dichlorobenzene	1	0.24	0.11	0.24	1.2	U
541-73-1	1,3-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
106-46-7	1,4-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
75-71-8	Dichlorodifluoromethane	1	0.60	0.17	0.60	1.2	U
75-34-3	1,1-Dichloroethane	1	0.60	0.25	0.60	1.2	U
107-06-2	1,2-Dichloroethane	1	0.60	0.27	0.60	1.2	U
75-35-4	1,1-Dichloroethene	1	0.60	0.37	0.60	1.2	U
156-59-2	cis-1,2-Dichloroethene	1	0.60	0.27	0.60	1.2	U
156-60-5	trans-1,2-Dichloroethene	1	0.60	0.32	0.60	1.2	U
78-87-5	1,2-Dichloropropane	1	0.60	0.20	0.60	1.2	U
142-28-9	1,3-Dichloropropane	1	0.60	0.17	0.60	1.2	U
594-20-7	2,2-Dichloropropane	1	0.60	0.27	0.60	1.2	U
563-58-6	1,1-Dichloropropene	1	0.60	0.33	0.60	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1	0.24	0.13	0.24	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1	0.60	0.14	0.60	1.2	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB9-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-04
File ID: 1410014-04.D
Sampled: 09/29/14 11:26
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 14:34
Solids: 97.48
Preparation: 5035A Low Concentratio
Initial/Final: 4.3 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.6	0.22	0.60	1.2	
87-68-3	Hexachlorobutadiene	1	0.60	0.25	0.60	1.2	U
591-78-6	2-Hexanone	1	0.60	0.57	0.60	6.0	U
98-82-8	Isopropylbenzene	1	0.24	0.13	0.24	1.2	U
99-87-6	4-Isopropyltoluene	1	0.60	0.29	0.60	1.2	U
75-09-2	Methylene Chloride	1	1.2	0.56	1.2	6.0	U
78-93-3	2-Butanone (MEK)	1	6.0	1.3	6.0	6.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.60	0.46	0.60	6.0	U
91-20-3	Naphthalene	1	0.60	0.19	0.60	6.0	U
103-65-1	n-Propylbenzene	1	0.60	0.14	0.60	1.2	U
100-42-5	Styrene	1	0.24	0.24	0.24	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.60	0.18	0.60	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.60	0.17	0.60	1.2	U
127-18-4	Tetrachloroethene	1	0.60	0.20	0.60	1.2	U
108-88-3	Toluene	1	2.4	0.12	0.24	1.2	
87-61-6	1,2,3-Trichlorobenzene	1	0.60	0.34	0.60	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1	0.60	0.20	0.60	1.2	U
71-55-6	1,1,1-Trichloroethane	1	0.60	0.17	0.60	1.2	U
79-00-5	1,1,2-Trichloroethane	1	0.60	0.26	0.60	1.2	U
79-01-6	Trichloroethene	1	0.60	0.29	0.60	1.2	U
75-69-4	Trichlorofluoromethane	1	0.60	0.21	0.60	1.2	U
96-18-4	1,2,3-Trichloropropane	1	0.60	0.27	0.60	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1	0.60	0.14	0.60	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1	0.60	0.23	0.60	1.2	U
75-01-4	Vinyl Chloride	1	0.60	0.24	0.60	1.2	U
179601-23-1	Xylene, Meta + Para	1	6.4	0.17	0.48	2.4	
95-47-6	Xylene, Ortho	1	1.8	0.13	0.24	1.2	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.1	105	78 - 119	
1,2-Dichloroethane-d4	40.0	44.1	110	71 - 136	
Toluene-d8	40.0	40.0	100	85 - 116	
4-Bromofluorobenzene	40.0	40.2	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	414515	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB9-34

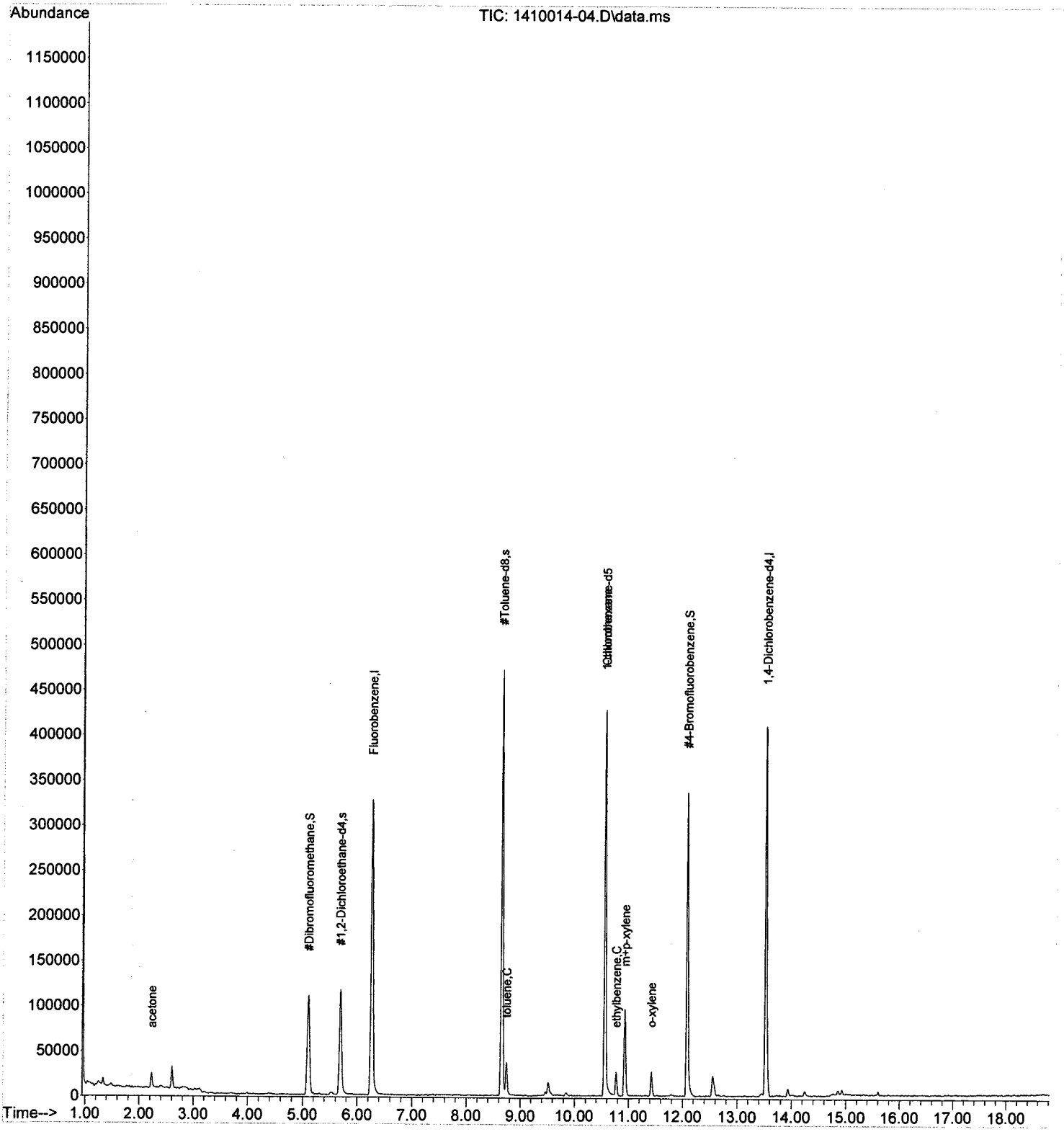
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-04
File ID: 1410014-04.D
Sampled: 09/29/14 11:26
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 14:34
Solids: 97.48
Preparation: 5035A Low Concentratio
Initial/Final: 4.3 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	295723	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	147042	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-04.D
Acq On : 09 Oct 2014 14:34
Operator : DLV
Sample : 1410014-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 09 17:04:09 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-04.D
Acq On : 09 Oct 2014 14:34
Operator : DLV
Sample : 1410014-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 09 17:04:09 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	414515	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	295723	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	147042	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	108394	42.12	ug/L	0.00
Spiked Amount 40.000			Recovery = 105.30%			
37) #1,2-Dichloroethane-d4	5.690	67	66601	44.08	ug/L	0.00
Spiked Amount 40.000			Recovery = 110.20%			
46) #Toluene-d8	8.654	98	400837	39.99	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.98%			
64) #4-Bromofluorobenzene	12.083	95	146975	40.16	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.40%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	21688	13.92	ug/L	91
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	14336	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

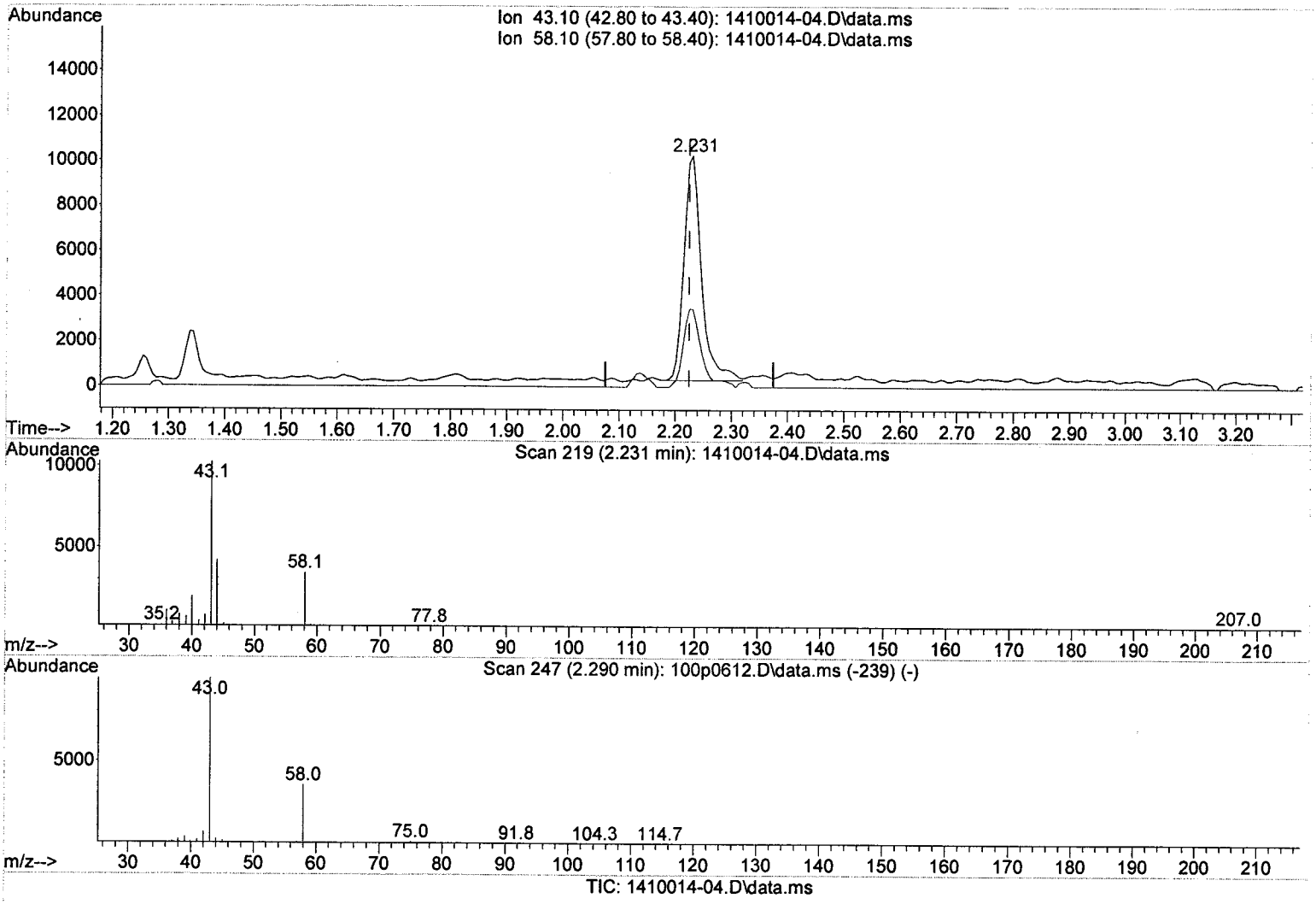
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-04.D
Acq On : 09 Oct 2014 14:34
Operator : DLV
Sample : 1410014-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 09 17:04:09 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	8.742	91	30878	1.99	ug/L	99
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.560	55	2343	0.58	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	10.772	91	24287	1.36	ug/L	98
60) m+p-xylene	10.936	106	35222	5.38	ug/L	98
61) o-xylene	11.431	106	9433	1.52	ug/L	92
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	0.000		0	N.D.		
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-04.D
Acq On : 09 Oct 2014 14:34
Operator : DLV
Sample : 1410014-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 09 17:04:09 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-04.D\data.ms

(13) acetone

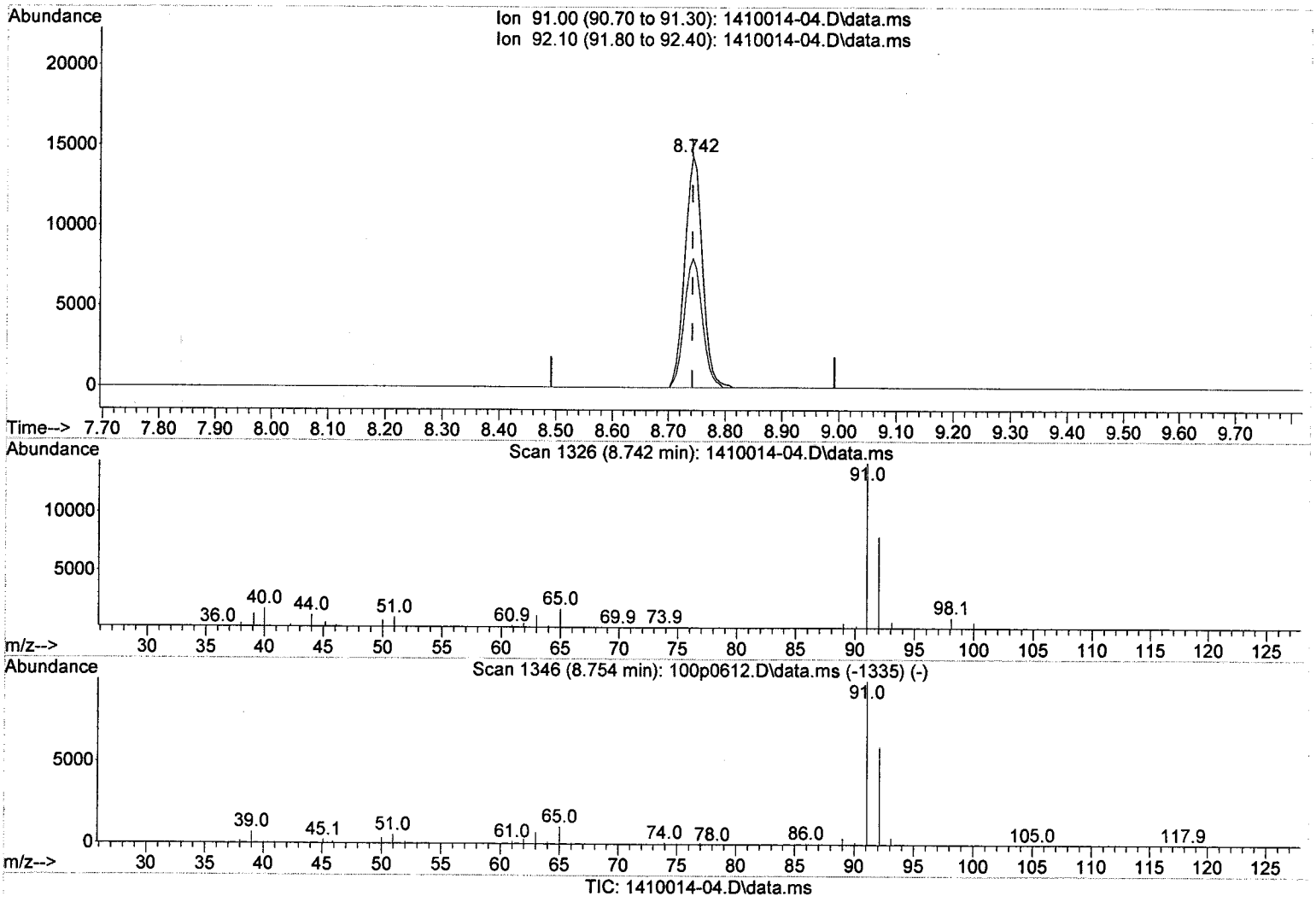
2.231min (+ 0.006) 13.92 ug/L

response 21688

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	36.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-04.D
Acq On : 09 Oct 2014 14:34
Operator : DLV
Sample : 1410014-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 09 17:04:09 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-04.D\data.ms

(47) toluene (C)

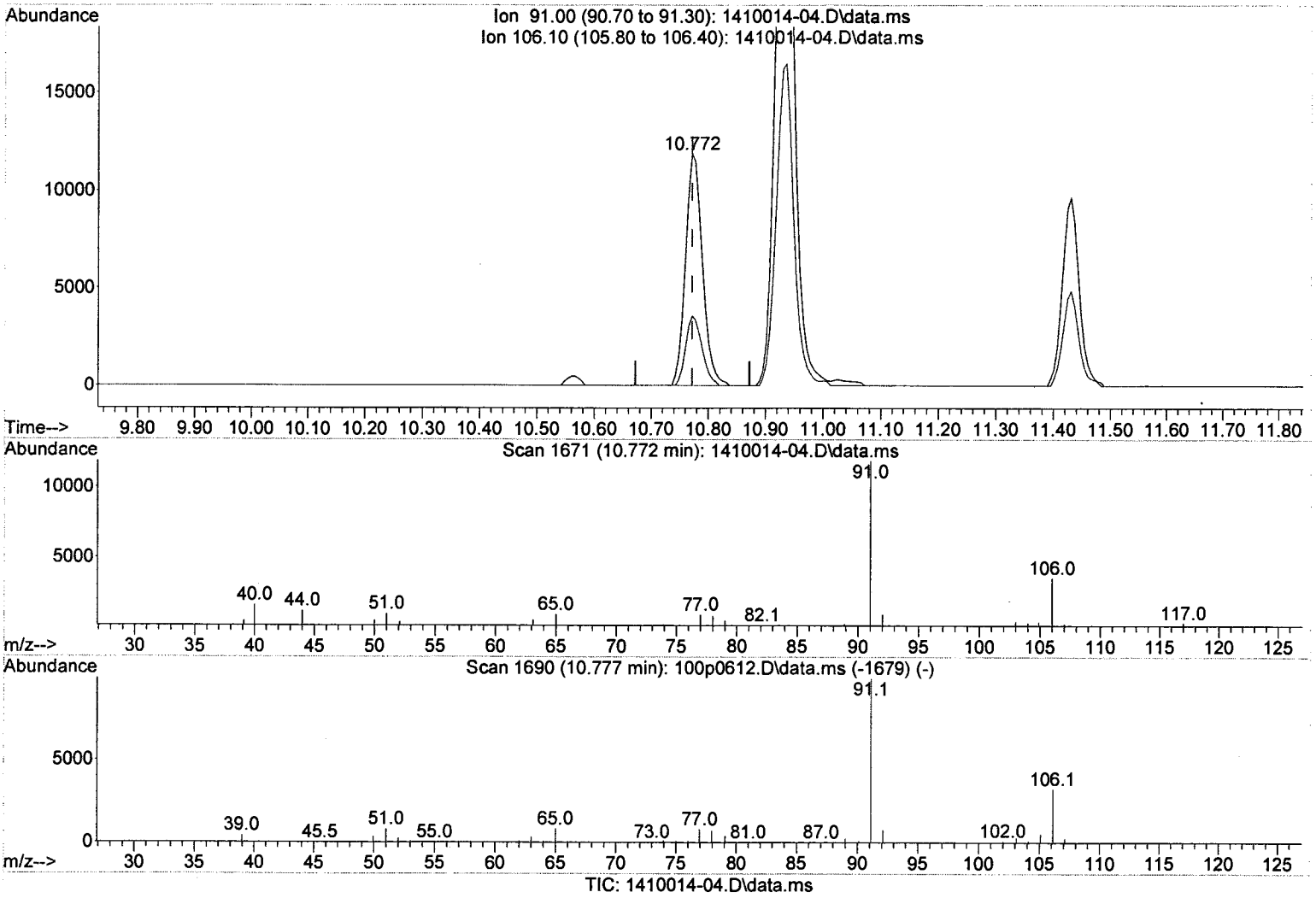
8.742min (+ 0.000) 1.99 ug/L

response 30878

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	56.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-04.D
Acq On : 09 Oct 2014 14:34
Operator : DLV
Sample : 1410014-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 09 17:04:09 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-04.D\data.ms

(59) ethylbenzene (C)

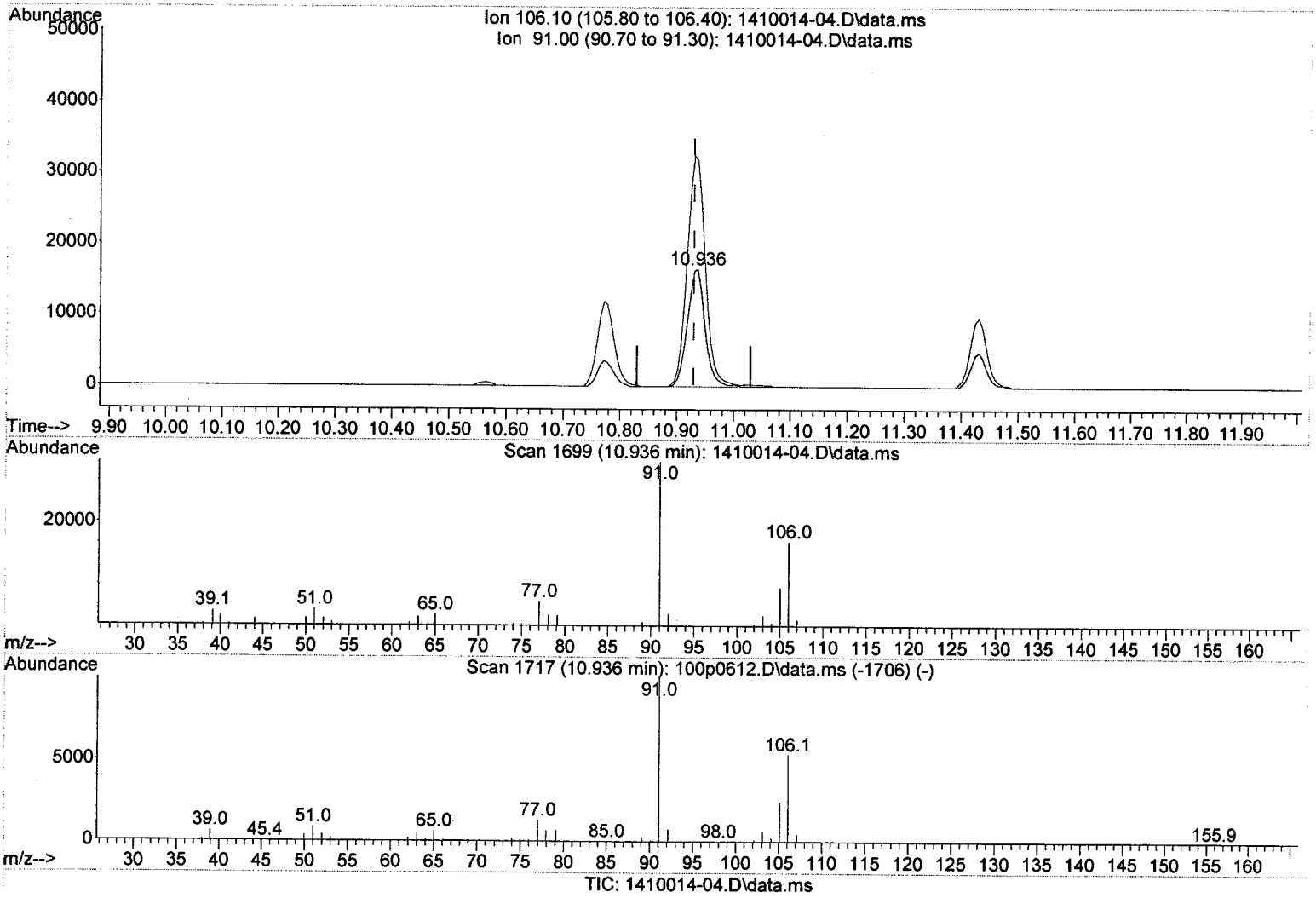
10.772min (-0.000) 1.36 ug/L

response 24287

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	28.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-04.D
Acq On : 09 Oct 2014 14:34
Operator : DLV
Sample : 1410014-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 09 17:04:09 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-04.D\data.ms

(60) m+p-xylene

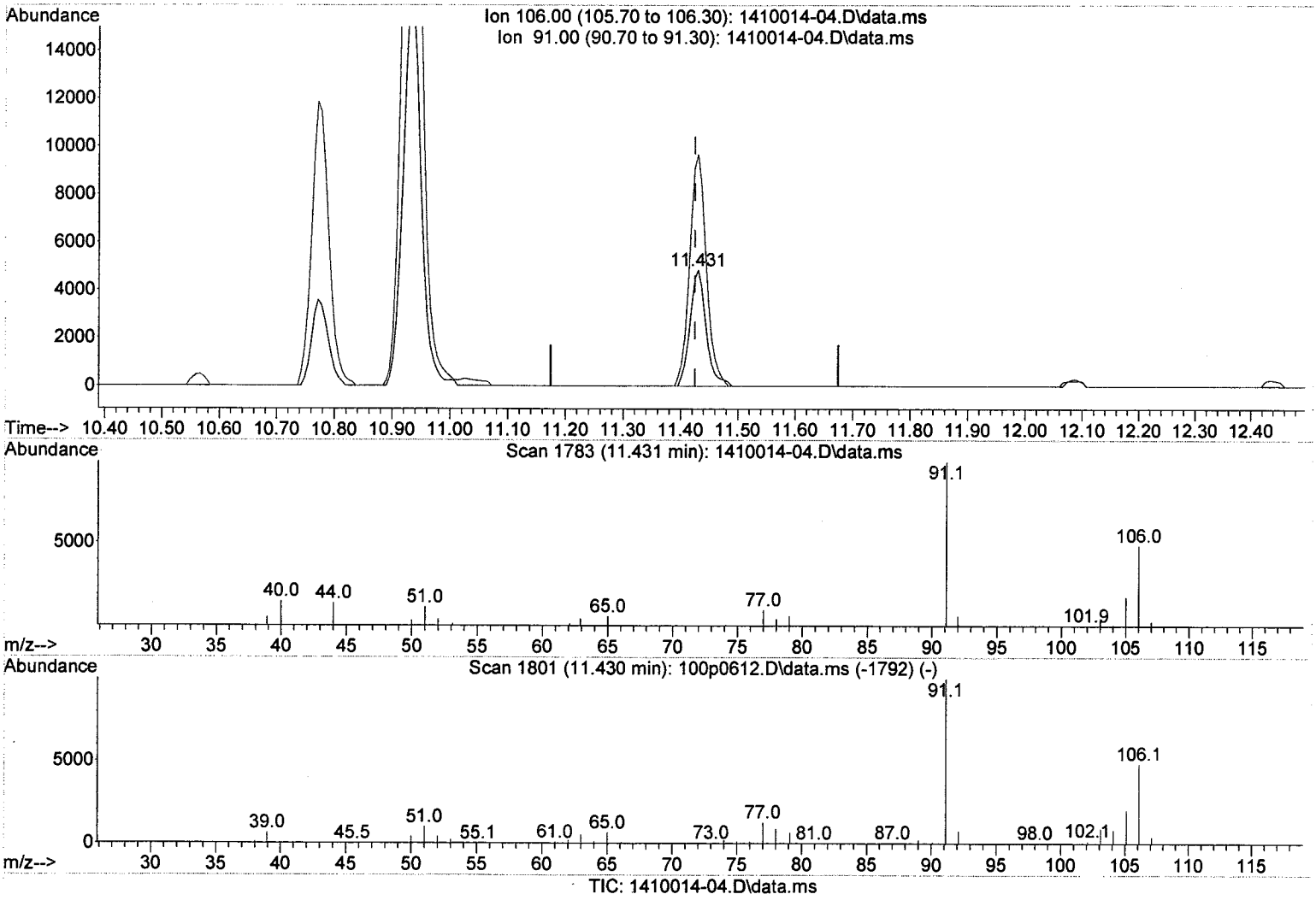
10.936min (+ 0.006) 5.38 ug/L

response 35222

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	203.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-04.D
Acq On : 09 Oct 2014 14:34
Operator : DLV
Sample : 1410014-04
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 09 17:04:09 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(61) o-xylene

11.431min (+ 0.005) 1.52 ug/L

response 9433

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	207.33
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB10-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-05 File ID: 1410014-05.D

Sampled: 09/29/14 13:13 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 14:57

Solids: 93.27 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	32	4.8	5.7	5.7	
71-43-2	Benzene	1	0.57	0.18	0.57	1.1	U
108-86-1	Bromobenzene	1	0.57	0.15	0.57	1.1	U
74-97-5	Bromochloromethane	1	0.57	0.16	0.57	1.1	U
75-27-4	Bromodichloromethane	1	0.57	0.20	0.57	1.1	U
75-25-2	Bromoform	1	0.57	0.41	0.57	1.1	U
74-83-9	Bromomethane	1	0.57	0.37	0.57	1.1	U
104-51-8	n-Butylbenzene	1	0.57	0.30	0.57	1.1	U
135-98-8	sec-Butylbenzene	1	0.57	0.24	0.57	1.1	U
98-06-6	tert-Butylbenzene	1	0.57	0.19	0.57	1.1	U
75-15-0	Carbon Disulfide	1	0.57	0.26	0.57	1.1	U
56-23-5	Carbon Tetrachloride	1	0.57	0.37	0.57	1.1	U
108-90-7	Chlorobenzene	1	0.57	0.17	0.57	1.1	U
75-00-3	Chloroethane	1	1.1	0.57	1.1	1.1	U
67-66-3	Chloroform	1	0.57	0.16	0.57	1.1	U
74-87-3	Chloromethane	1	0.57	0.29	0.57	1.1	U
95-49-8	2-Chlorotoluene	1	0.57	0.33	0.57	1.1	U
106-43-4	4-Chlorotoluene	1	0.23	0.23	0.23	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.67	1.1	5.7	U
124-48-1	Dibromochloromethane	1	0.57	0.21	0.57	1.1	U
106-93-4	1,2-Dibromoethane	1	0.57	0.17	0.57	1.1	U
74-95-3	Dibromomethane	1	0.57	0.26	0.57	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.23	0.11	0.23	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.57	0.16	0.57	1.1	U
75-34-3	1,1-Dichloroethane	1	0.57	0.24	0.57	1.1	U
107-06-2	1,2-Dichloroethane	1	0.57	0.26	0.57	1.1	U
75-35-4	1,1-Dichloroethene	1	0.57	0.35	0.57	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.57	0.26	0.57	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.57	0.31	0.57	1.1	U
78-87-5	1,2-Dichloropropane	1	0.57	0.19	0.57	1.1	U
142-28-9	1,3-Dichloropropane	1	0.57	0.16	0.57	1.1	U
594-20-7	2,2-Dichloropropane	1	0.57	0.26	0.57	1.1	U
563-58-6	1,1-Dichloropropene	1	0.57	0.32	0.57	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.23	0.13	0.23	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.57	0.14	0.57	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB10-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-05
File ID: 1410014-05.D
Sampled: 09/29/14 13:13
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 14:57
Solids: 93.27
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.3	0.21	0.57	1.1	
87-68-3	Hexachlorobutadiene	1	0.57	0.24	0.57	1.1	U
591-78-6	2-Hexanone	1	0.57	0.55	0.57	5.7	U
98-82-8	Isopropylbenzene	1	0.23	0.13	0.23	1.1	U
99-87-6	4-Isopropyltoluene	1	0.57	0.27	0.57	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.53	1.1	5.7	U
78-93-3	2-Butanone (MEK)	1	3.1	1.3	5.7	5.7	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.57	0.44	0.57	5.7	U
91-20-3	Naphthalene	1	0.57	0.18	0.57	5.7	U
103-65-1	n-Propylbenzene	1	0.57	0.13	0.57	1.1	U
100-42-5	Styrene	1	0.23	0.23	0.23	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.57	0.17	0.57	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.57	0.16	0.57	1.1	U
127-18-4	Tetrachloroethene	1	29	0.20	0.57	1.1	
108-88-3	Toluene	1	2.3	0.11	0.23	1.1	
87-61-6	1,2,3-Trichlorobenzene	1	0.57	0.33	0.57	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.57	0.19	0.57	1.1	U
71-55-6	1,1,1-Trichloroethane	1	2.7	0.16	0.57	1.1	
79-00-5	1,1,2-Trichloroethane	1	0.57	0.24	0.57	1.1	U
79-01-6	Trichloroethene	1	0.57	0.28	0.57	1.1	U
75-69-4	Trichlorofluoromethane	1	0.57	0.20	0.57	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.57	0.26	0.57	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.57	0.13	0.57	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.57	0.22	0.57	1.1	U
75-01-4	Vinyl Chloride	1	0.57	0.23	0.57	1.1	U
179601-23-1	Xylene, Meta + Para	1	5.1	0.16	0.46	2.3	
95-47-6	Xylene, Ortho	1	1.5	0.13	0.23	1.1	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.9	107	78 - 119	
1,2-Dichloroethane-d4	40.0	45.3	113	71 - 136	
Toluene-d8	40.0	39.2	98	85 - 116	
4-Bromofluorobenzene	40.0	37.2	93	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	445208	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB10-15

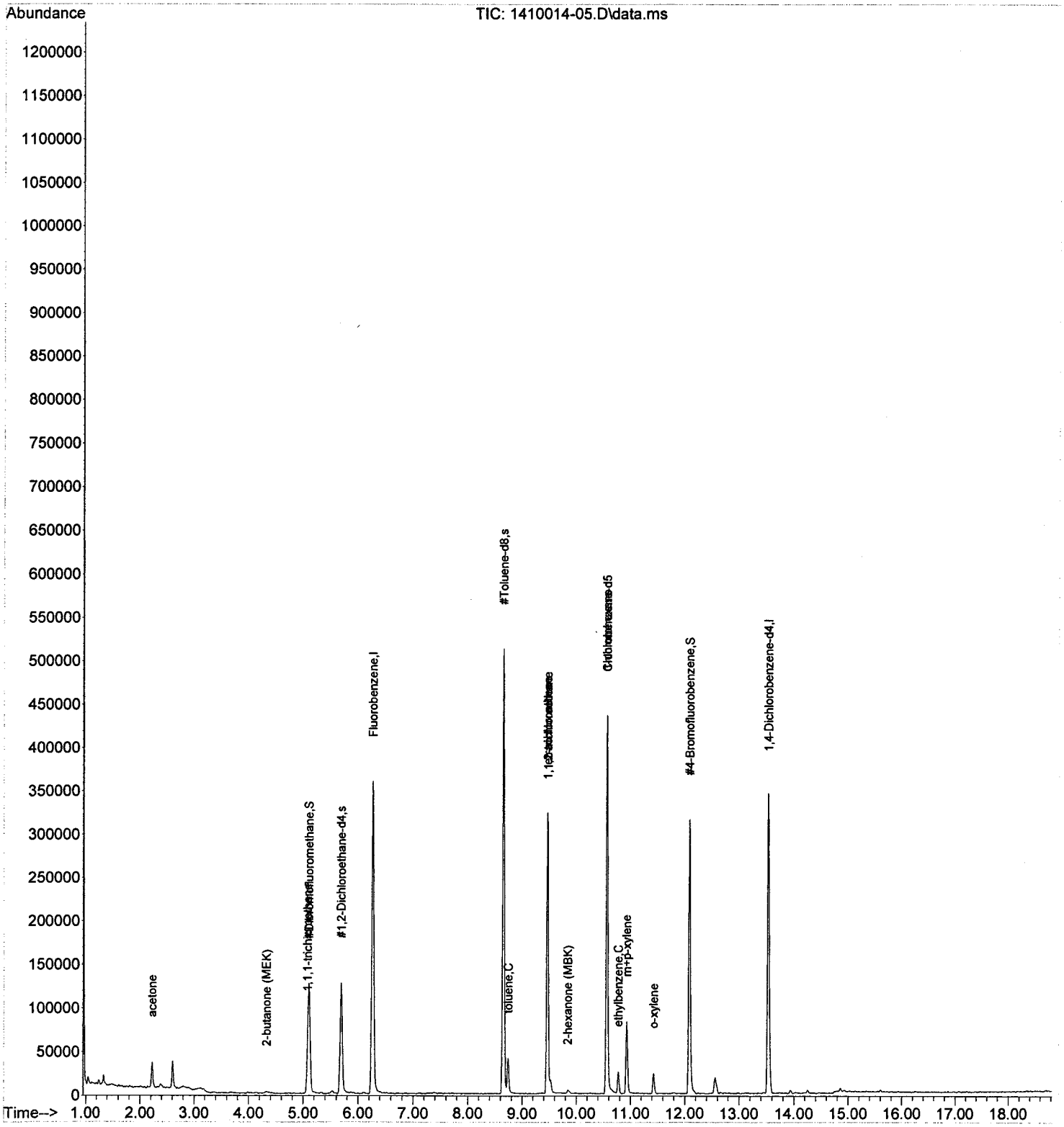
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-05
File ID: 1410014-05.D
Sampled: 09/29/14 13:13
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 14:57
Solids: 93.27
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	305410	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	127102	13.531	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-05.D
Acq On : 09 Oct 2014 14:57
Operator : DLV
Sample : 1410014-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 09 17:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-05.D
Acq On : 09 Oct 2014 14:57
Operator : DLV
Sample : 1410014-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 09 17:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	445208	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	305410	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.531	152	127102	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.102	111	118641	42.93	ug/L		0.00
Spiked Amount 40.000			Recovery = 107.33%				
37) #1,2-Dichloroethane-d4	5.690	67	73587	45.34	ug/L		0.00
Spiked Amount 40.000			Recovery = 113.35%				
46) #Toluene-d8	8.654	98	422023	39.20	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.00%				
64) #4-Bromofluorobenzene	12.084	95	140718	37.23	ug/L		0.00
Spiked Amount 40.000			Recovery = 93.08%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.225	43	39088	27.63	ug/L		99
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.602	49	18884	Below Cal			96
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	4721	2.70	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	5.078	97	12379	2.38	ug/L		98
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

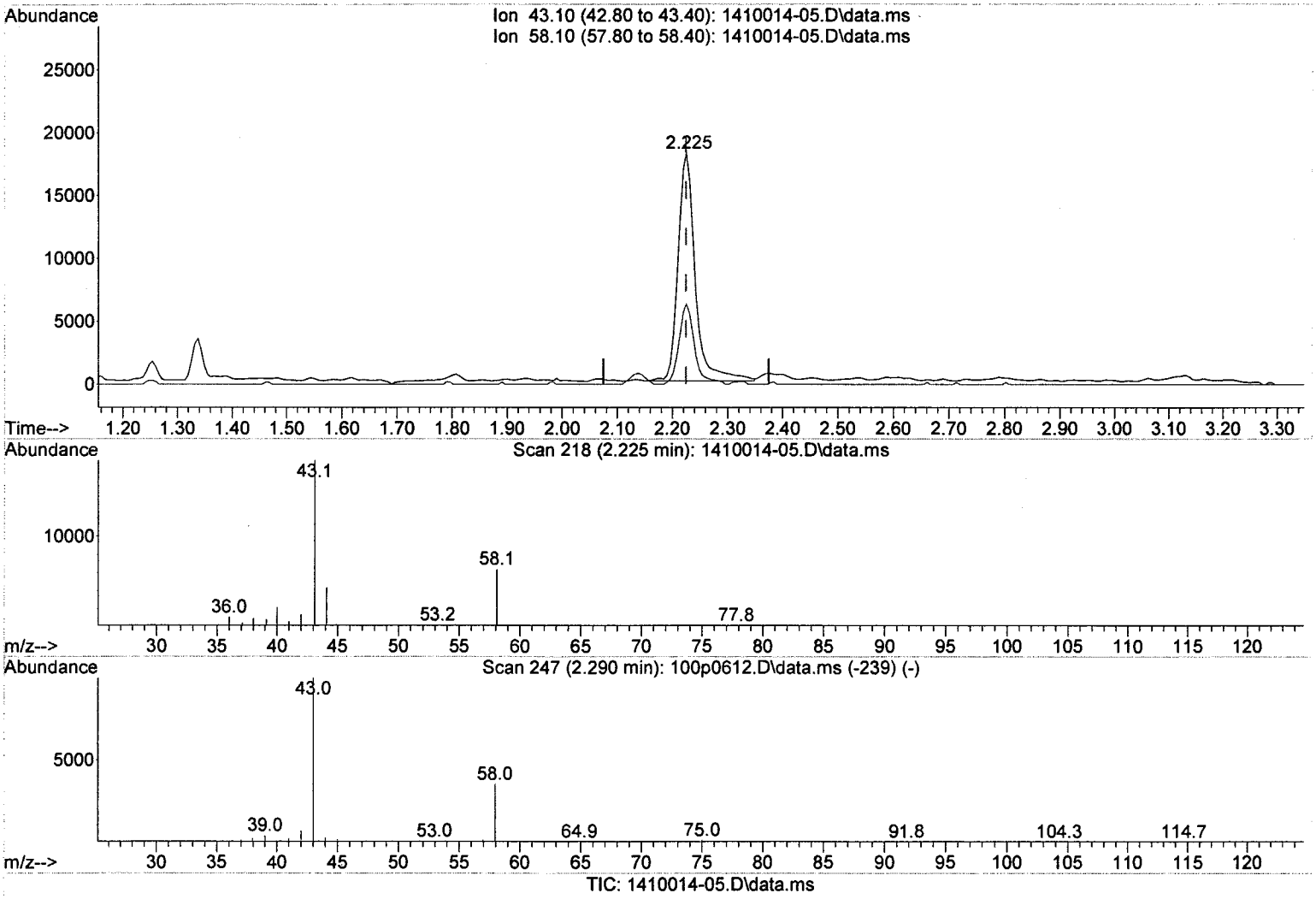
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-05.D
Acq On : 09 Oct 2014 14:57
Operator : DLV
Sample : 1410014-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 09 17:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.743	91	33310	2.00 ug/L	97
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	9.472	83	2264	0.79 ug/L #	4
51) tetrachloroethene	9.466	166	114310	25.61 ug/L	99
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.842	43	1612	0.66 ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2301	0.56 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	20934	1.14 ug/L	96
60) m+p-xylene	10.931	106	30061	4.44 ug/L	99
61) o-xylene	11.431	106	8538	1.33 ug/L #	82
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-05.D
Acq On : 09 Oct 2014 14:57
Operator : DLV
Sample : 1410014-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 09 17:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(13) acetone

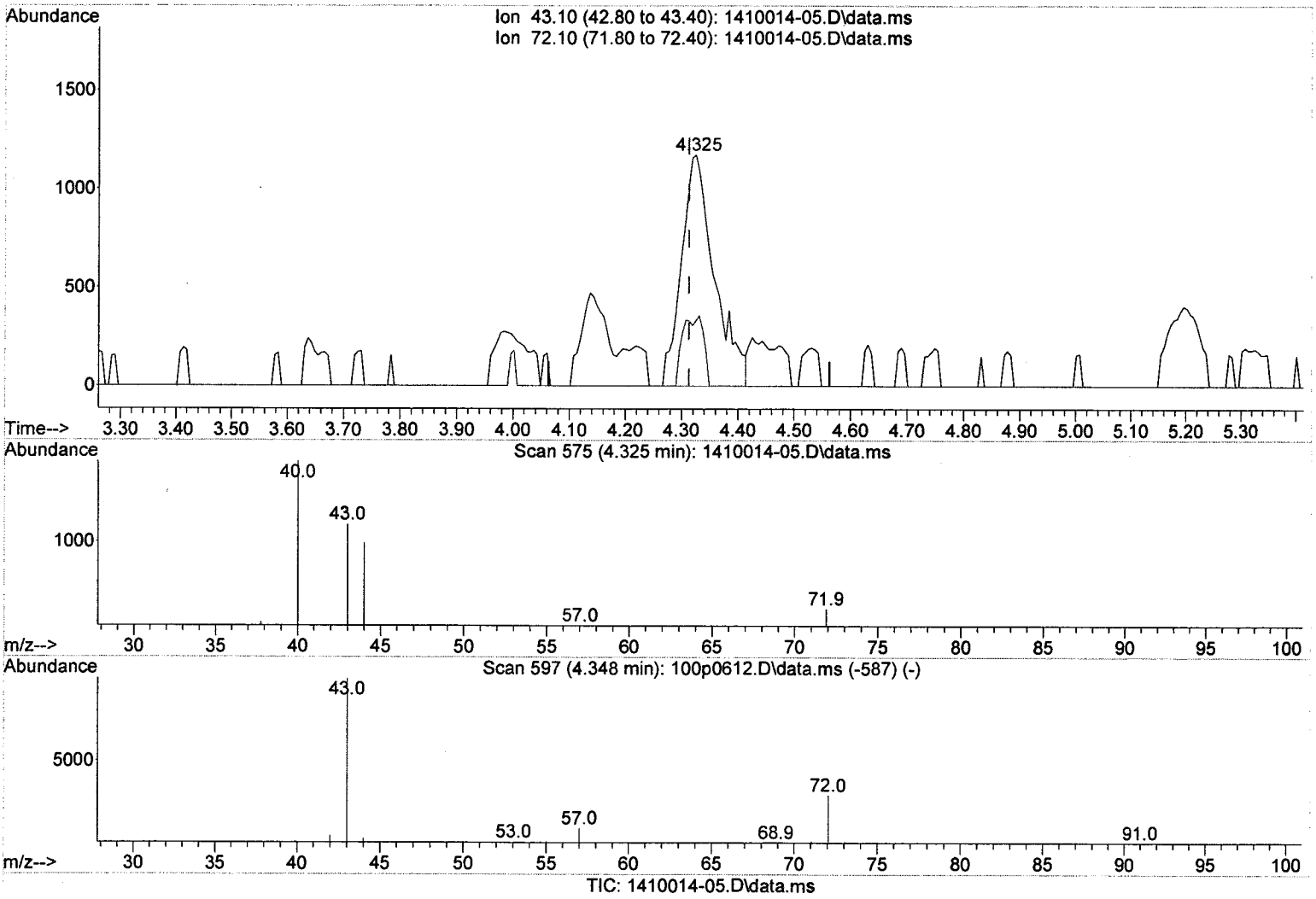
2.225min (+ 0.000) 27.63 ug/L

response 39088

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	31.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-05.D
Acq On : 09 Oct 2014 14:57
Operator : DLV
Sample : 1410014-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 09 17:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(25) 2-butanone (MEK)

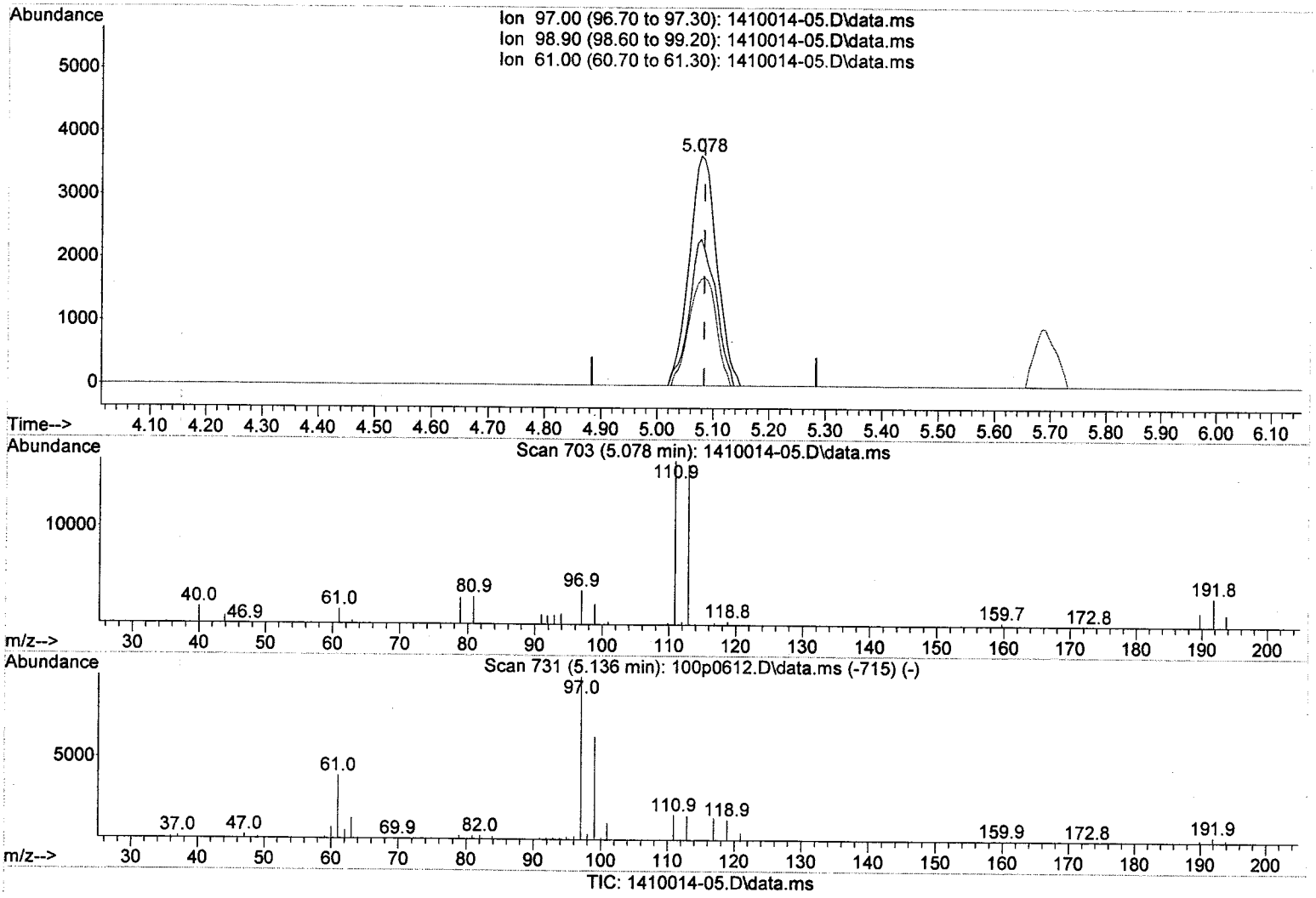
4.325min (+ 0.012) 2.70 ug/L

response 4721

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-05.D
Acq On : 09 Oct 2014 14:57
Operator : DLV
Sample : 1410014-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 09 17:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(30) 1,1,1-trichloroethane

5.078min (-0.006) 2.38 ug/L

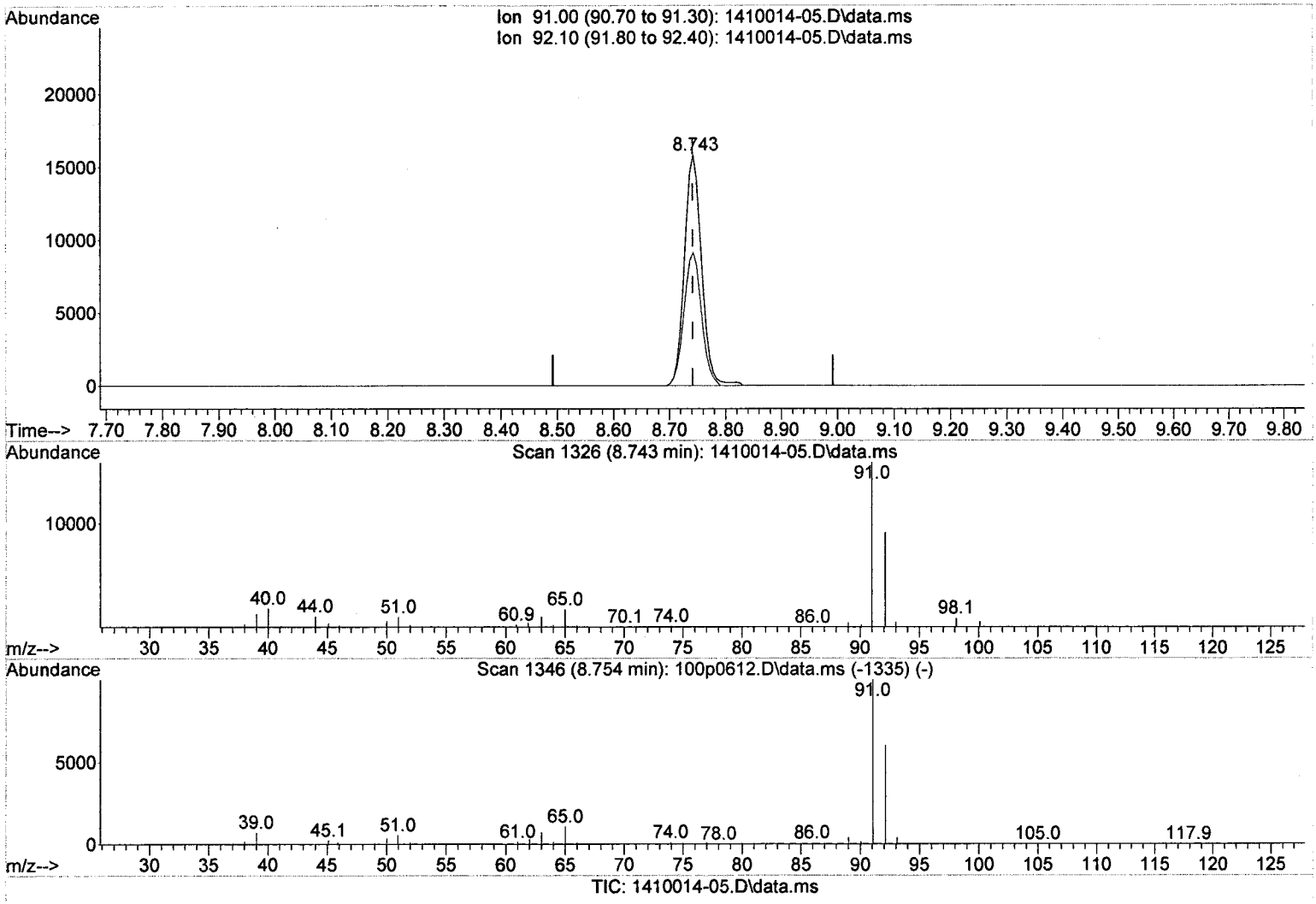
response 12379

Ion	Exp%	Act%
97.00	100.00	100.00
98.90	62.60	61.39
61.00	48.30	46.30
0.00	0.00	0.00

001144

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-05.D
Acq On : 09 Oct 2014 14:57
Operator : DLV
Sample : 1410014-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 09 17:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(47) toluene (C)

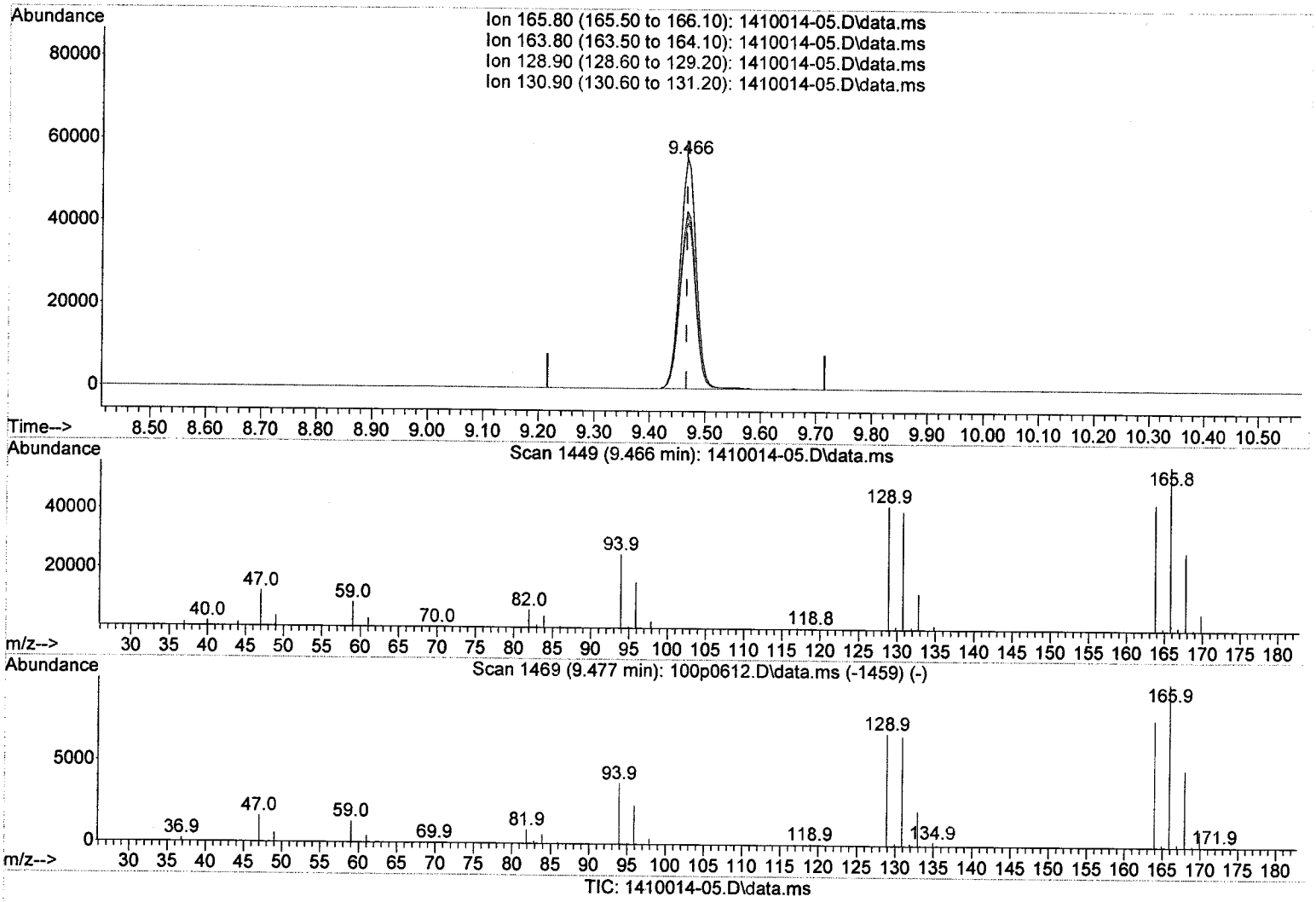
8.743min (+ 0.001) 2.00 ug/L

response 33310

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	59.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-05.D
Acq On : 09 Oct 2014 14:57
Operator : DLV
Sample : 1410014-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 09 17:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(51) tetrachloroethene

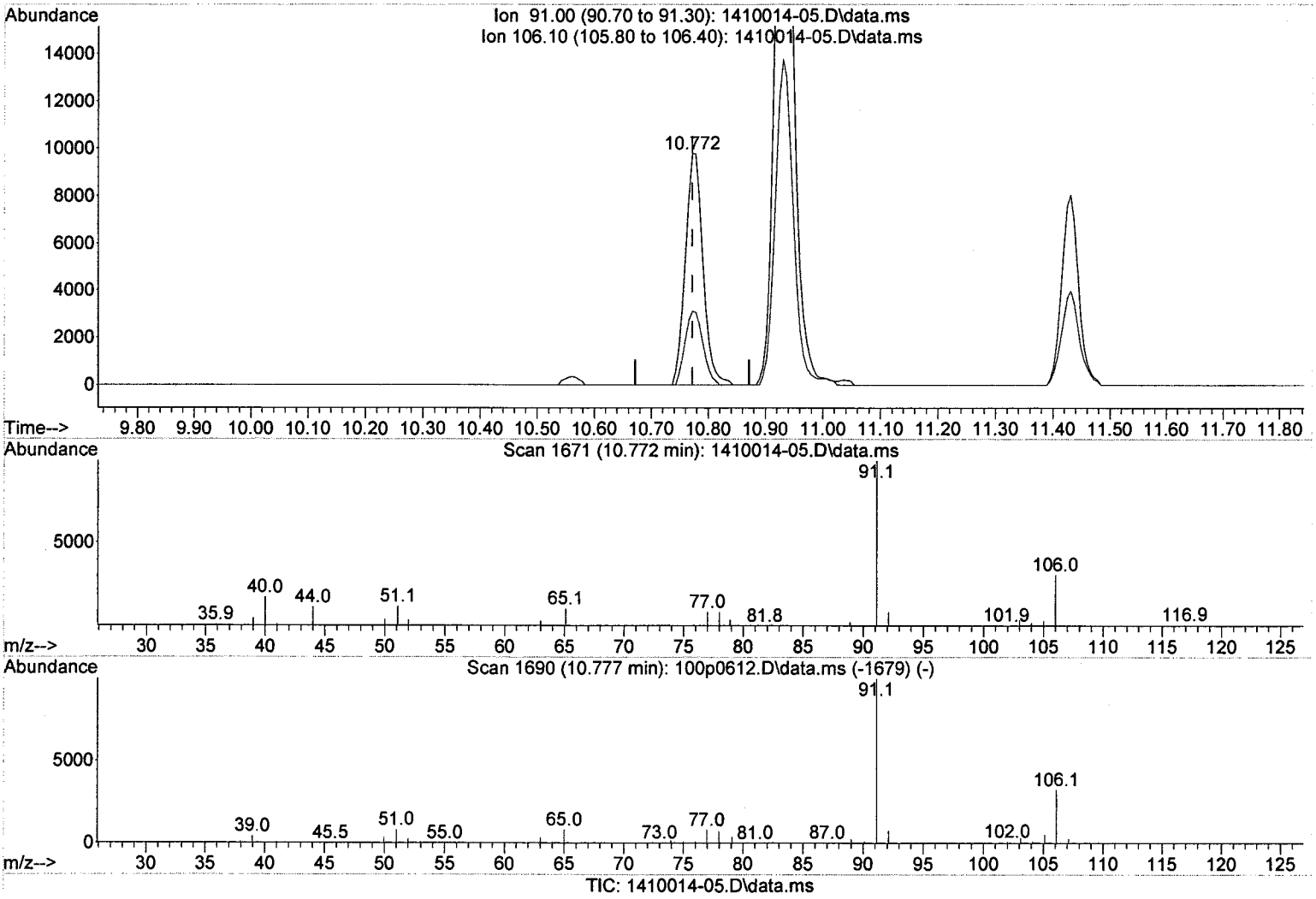
9.466min (+ 0.000) 25.61 ug/L

response 114310

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	76.89
128.90	74.10	74.55
130.90	70.00	71.77

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-05.D
Acq On : 09 Oct 2014 14:57
Operator : DLV
Sample : 1410014-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 09 17:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(59) ethylbenzene (C)

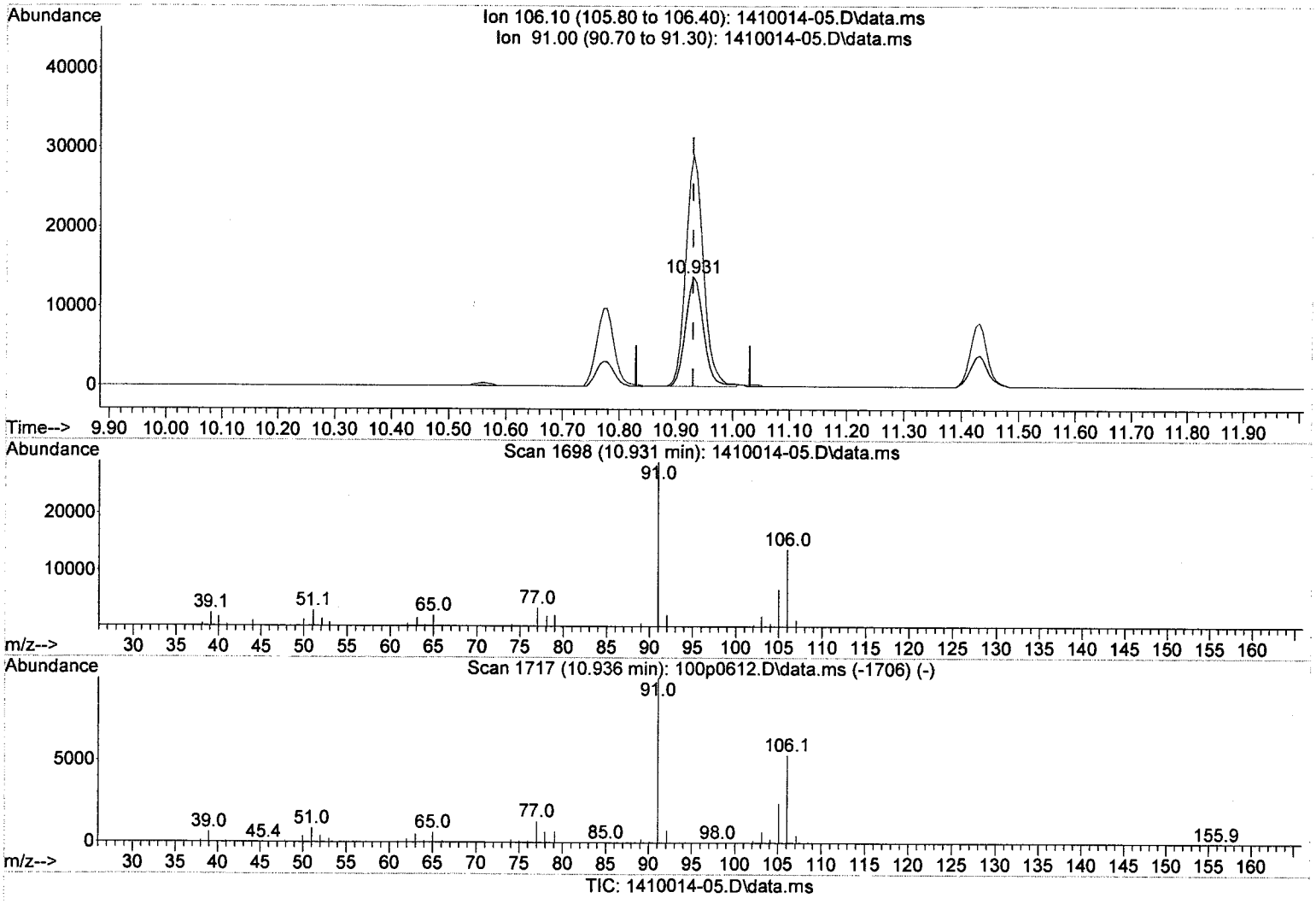
10.772min (-0.000) 1.14 ug/L

response 20934

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	32.02
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-05.D
Acq On : 09 Oct 2014 14:57
Operator : DLV
Sample : 1410014-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 09 17:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(60) m+p-xylene

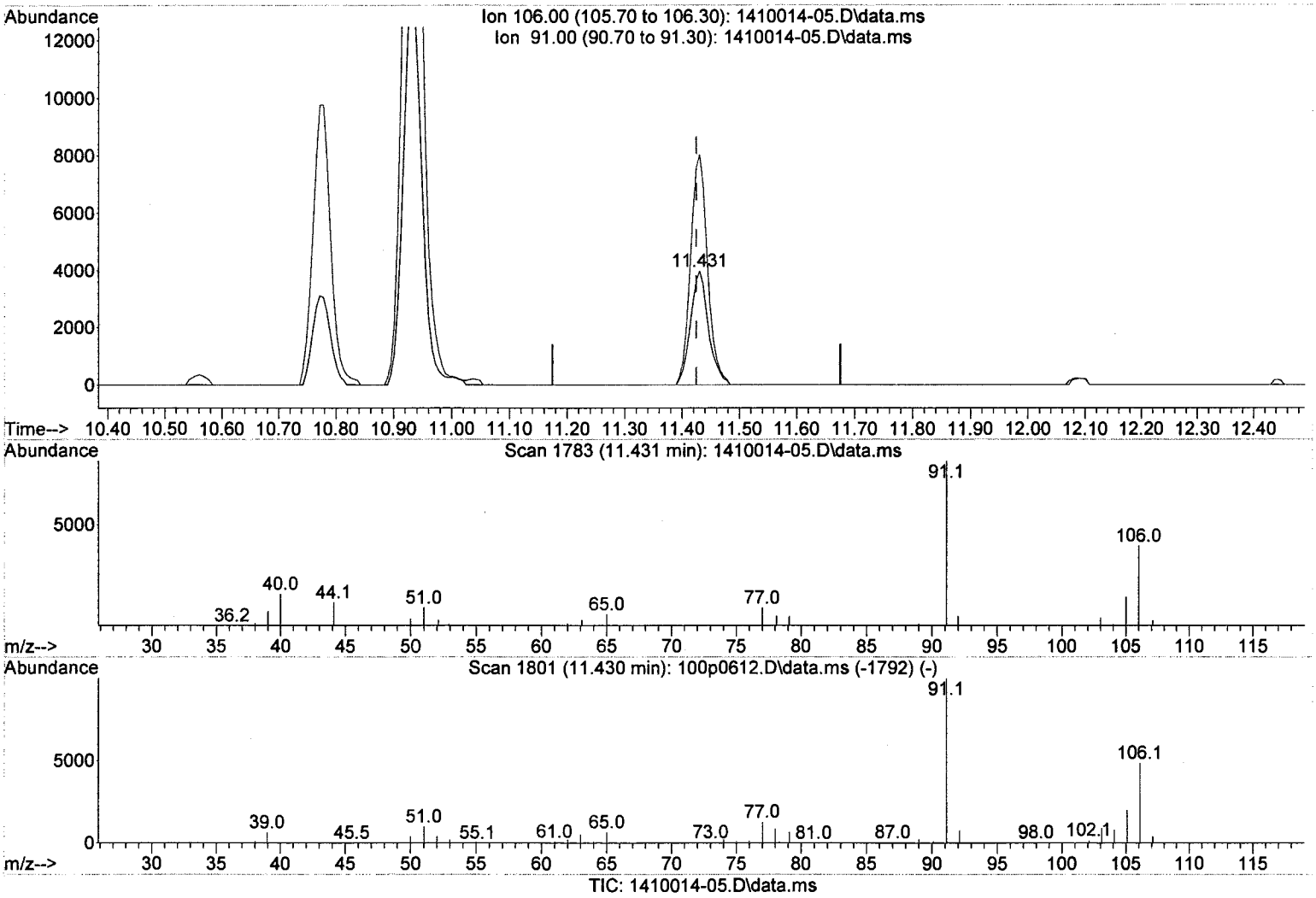
10.931min (+ 0.001) 4.44 ug/L

response 30061

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	208.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-05.D
Acq On : 09 Oct 2014 14:57
Operator : DLV
Sample : 1410014-05
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 09 17:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(61) o-xylene

11.431min (+ 0.006) 1.33 ug/L

response 8538

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	191.92#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB10-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-06 File ID: 1410014-06.D

Sampled: 09/29/14 13:37 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 15:21

Solids: 98.08 Preparation: 5035A Low Concentratio Initial/Final: 4.1 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	19	5.2	6.2	6.2	
71-43-2	Benzene	1	0.62	0.20	0.62	1.2	U
108-86-1	Bromobenzene	1	0.62	0.17	0.62	1.2	U
74-97-5	Bromochloromethane	1	0.62	0.18	0.62	1.2	U
75-27-4	Bromodichloromethane	1	0.62	0.22	0.62	1.2	U
75-25-2	Bromoform	1	0.62	0.44	0.62	1.2	U
74-83-9	Bromomethane	1	0.62	0.41	0.62	1.2	U
104-51-8	n-Butylbenzene	1	0.62	0.32	0.62	1.2	U
135-98-8	sec-Butylbenzene	1	0.62	0.26	0.62	1.2	U
98-06-6	tert-Butylbenzene	1	0.62	0.21	0.62	1.2	U
75-15-0	Carbon Disulfide	1	0.62	0.29	0.62	1.2	U
56-23-5	Carbon Tetrachloride	1	0.62	0.41	0.62	1.2	U
108-90-7	Chlorobenzene	1	0.62	0.19	0.62	1.2	U
75-00-3	Chloroethane	1	1.2	0.63	1.2	1.2	U
67-66-3	Chloroform	1	0.62	0.18	0.62	1.2	U
74-87-3	Chloromethane	1	0.62	0.32	0.62	1.2	U
95-49-8	2-Chlorotoluene	1	0.62	0.36	0.62	1.2	U
106-43-4	4-Chlorotoluene	1	0.25	0.25	0.25	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.2	0.73	1.2	6.2	U
124-48-1	Dibromochloromethane	1	0.62	0.23	0.62	1.2	U
106-93-4	1,2-Dibromoethane	1	0.62	0.19	0.62	1.2	U
74-95-3	Dibromomethane	1	0.62	0.28	0.62	1.2	U
95-50-1	1,2-Dichlorobenzene	1	0.25	0.12	0.25	1.2	U
541-73-1	1,3-Dichlorobenzene	1	0.25	0.13	0.25	1.2	U
106-46-7	1,4-Dichlorobenzene	1	0.25	0.13	0.25	1.2	U
75-71-8	Dichlorodifluoromethane	1	0.62	0.18	0.62	1.2	U
75-34-3	1,1-Dichloroethane	1	0.62	0.26	0.62	1.2	U
107-06-2	1,2-Dichloroethane	1	0.62	0.28	0.62	1.2	U
75-35-4	1,1-Dichloroethene	1	0.62	0.38	0.62	1.2	U
156-59-2	cis-1,2-Dichloroethene	1	0.62	0.28	0.62	1.2	U
156-60-5	trans-1,2-Dichloroethene	1	0.62	0.34	0.62	1.2	U
78-87-5	1,2-Dichloropropane	1	0.62	0.21	0.62	1.2	U
142-28-9	1,3-Dichloropropane	1	0.62	0.18	0.62	1.2	U
594-20-7	2,2-Dichloropropane	1	0.62	0.28	0.62	1.2	U
563-58-6	1,1-Dichloropropene	1	0.62	0.35	0.62	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1	0.25	0.14	0.25	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1	0.62	0.15	0.62	1.2	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB10-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-06 File ID: 1410014-06.D

Sampled: 09/29/14 13:37 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 15:21

Solids: 98.08 Preparation: 5035A Low Concentratio Initial/Final: 4.1 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.7	0.23	0.62	1.2	
87-68-3	Hexachlorobutadiene	1	0.62	0.26	0.62	1.2	U
591-78-6	2-Hexanone	1	0.62	0.60	0.62	6.2	U
98-82-8	Isopropylbenzene	1	0.25	0.14	0.25	1.2	U
99-87-6	4-Isopropyltoluene	1	0.62	0.30	0.62	1.2	U
75-09-2	Methylene Chloride	1	1.2	0.58	1.2	6.2	U
78-93-3	2-Butanone (MEK)	1	3.4	1.4	6.2	6.2	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.62	0.48	0.62	6.2	U
91-20-3	Naphthalene	1	0.62	0.20	0.62	6.2	U
103-65-1	n-Propylbenzene	1	0.62	0.14	0.62	1.2	U
100-42-5	Styrene	1	0.25	0.25	0.25	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.62	0.18	0.62	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.62	0.18	0.62	1.2	U
127-18-4	Tetrachloroethene	1	0.62	0.21	0.62	1.2	U
108-88-3	Toluene	1	2.4	0.12	0.25	1.2	
87-61-6	1,2,3-Trichlorobenzene	1	0.62	0.36	0.62	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1	0.62	0.21	0.62	1.2	U
71-55-6	1,1,1-Trichloroethane	1	0.62	0.18	0.62	1.2	U
79-00-5	1,1,2-Trichloroethane	1	0.62	0.27	0.62	1.2	U
79-01-6	Trichloroethene	1	0.62	0.30	0.62	1.2	U
75-69-4	Trichlorofluoromethane	1	0.62	0.21	0.62	1.2	U
96-18-4	1,2,3-Trichloropropane	1	0.62	0.28	0.62	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1	0.62	0.14	0.62	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1	0.62	0.24	0.62	1.2	U
75-01-4	Vinyl Chloride	1	0.62	0.25	0.62	1.2	U
179601-23-1	Xylene, Meta + Para	1	6.9	0.18	0.50	2.5	
95-47-6	Xylene, Ortho	1	1.9	0.14	0.25	1.2	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.6	104	78 - 119	
1,2-Dichloroethane-d4	40.0	45.1	113	71 - 136	
Toluene-d8	40.0	39.9	100	85 - 116	
4-Bromofluorobenzene	40.0	40.7	102	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	413330	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB10-34

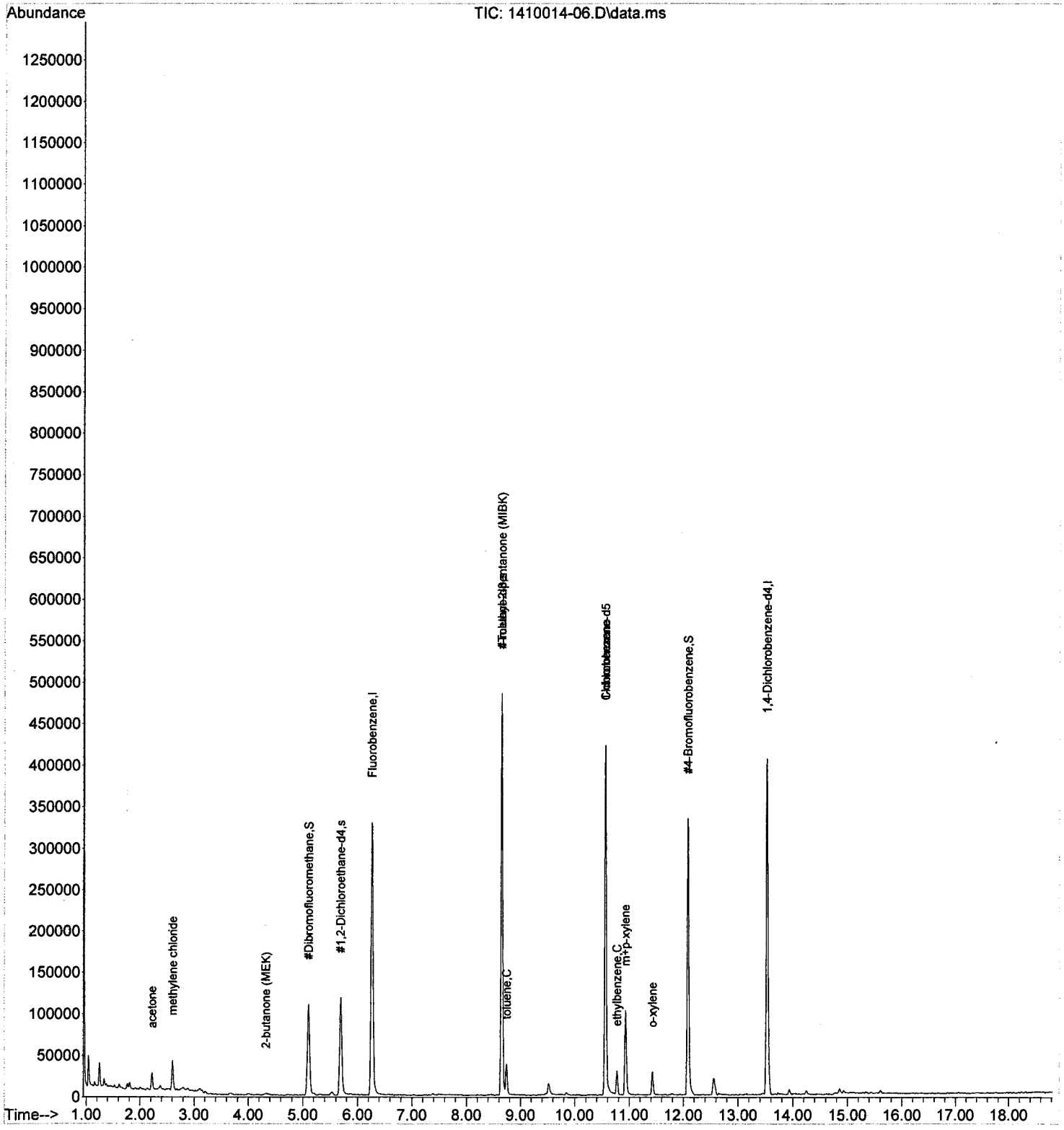
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-06
File ID: 1410014-06.D
Sampled: 09/29/14 13:37
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 15:21
Solids: 98.08
Preparation: 5035A Low Concentratio
Initial/Final: 4.1 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	296584	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	148666	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-06.D
Acq On : 09 Oct 2014 15:21
Operator : DLV
Sample : 1410014-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 09 17:04:15 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001153

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-06.D
Acq On : 09 Oct 2014 15:21
Operator : DLV
Sample : 1410014-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 09 17:04:15 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	413330	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	296584	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	148666	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	106716	41.59	ug/L	0.00
Spiked Amount 40.000			Recovery = 103.98%			
37) #1,2-Dichloroethane-d4	5.690	67	67905	45.07	ug/L	0.00
Spiked Amount 40.000			Recovery = 112.68%			
46) #Toluene-d8	8.654	98	399039	39.92	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.80%			
64) #4-Bromofluorobenzene	12.083	95	149523	40.74	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.85%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.225	43	23183	15.38	ug/L	89
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	20439	< 0.38	ug/L	97
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	4469	2.75	ug/L #	48
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

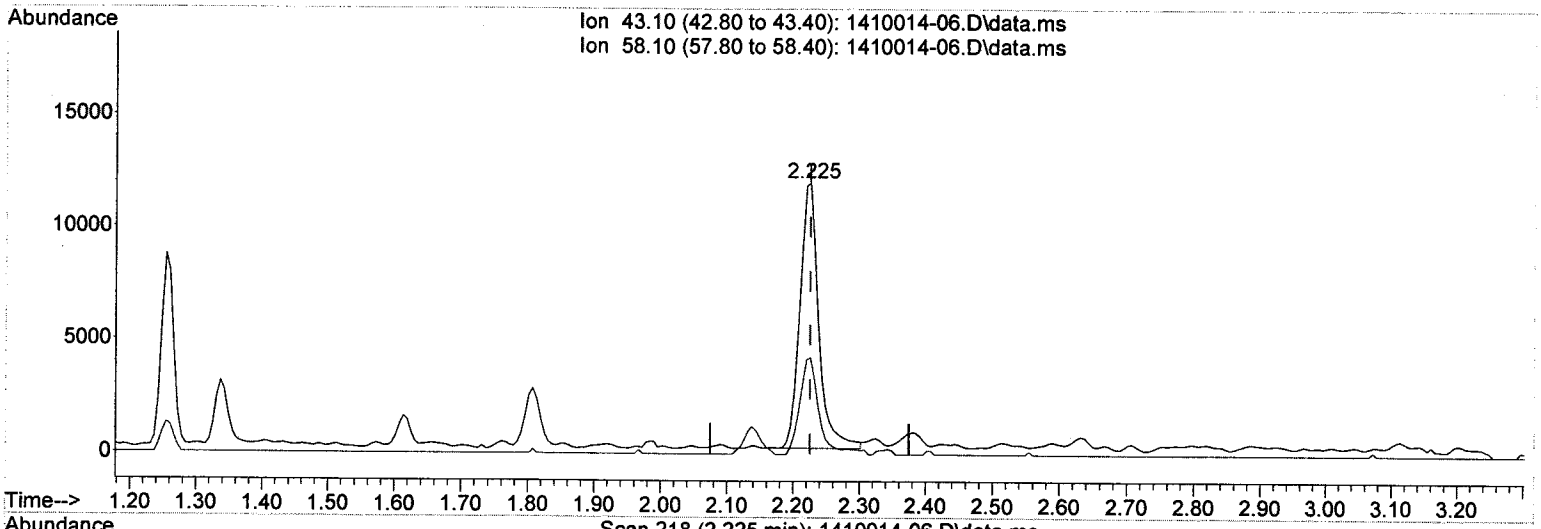
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-06.D
Acq On : 09 Oct 2014 15:21
Operator : DLV
Sample : 1410014-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 09 17:04:15 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

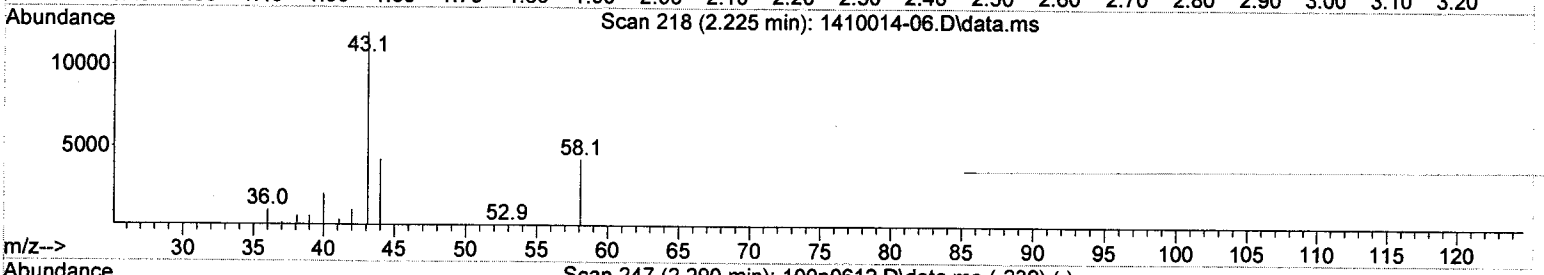
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	8.654	43	1652	0.52 ug/L #	1
47) toluene	8.742	91	29373	1.90 ug/L	100
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.566	55	2403	0.60 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	24476	1.37 ug/L	100
60) m+p-xylene	10.931	106	36388	5.54 ug/L	95
61) o-xylene	11.431	106	9615	1.54 ug/L	97
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

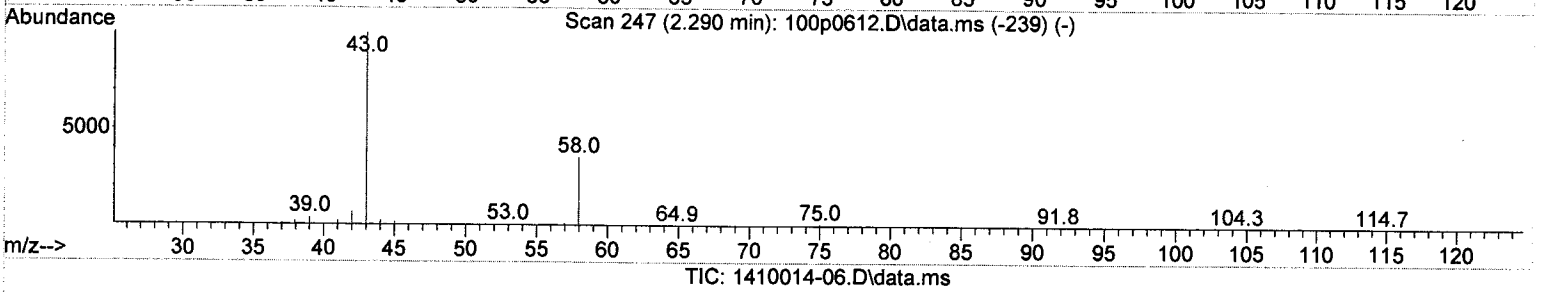
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-06.D
Acq On : 09 Oct 2014 15:21
Operator : DLV
Sample : 1410014-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 09 17:04:15 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410014-06.D\data.ms

(13) acetone

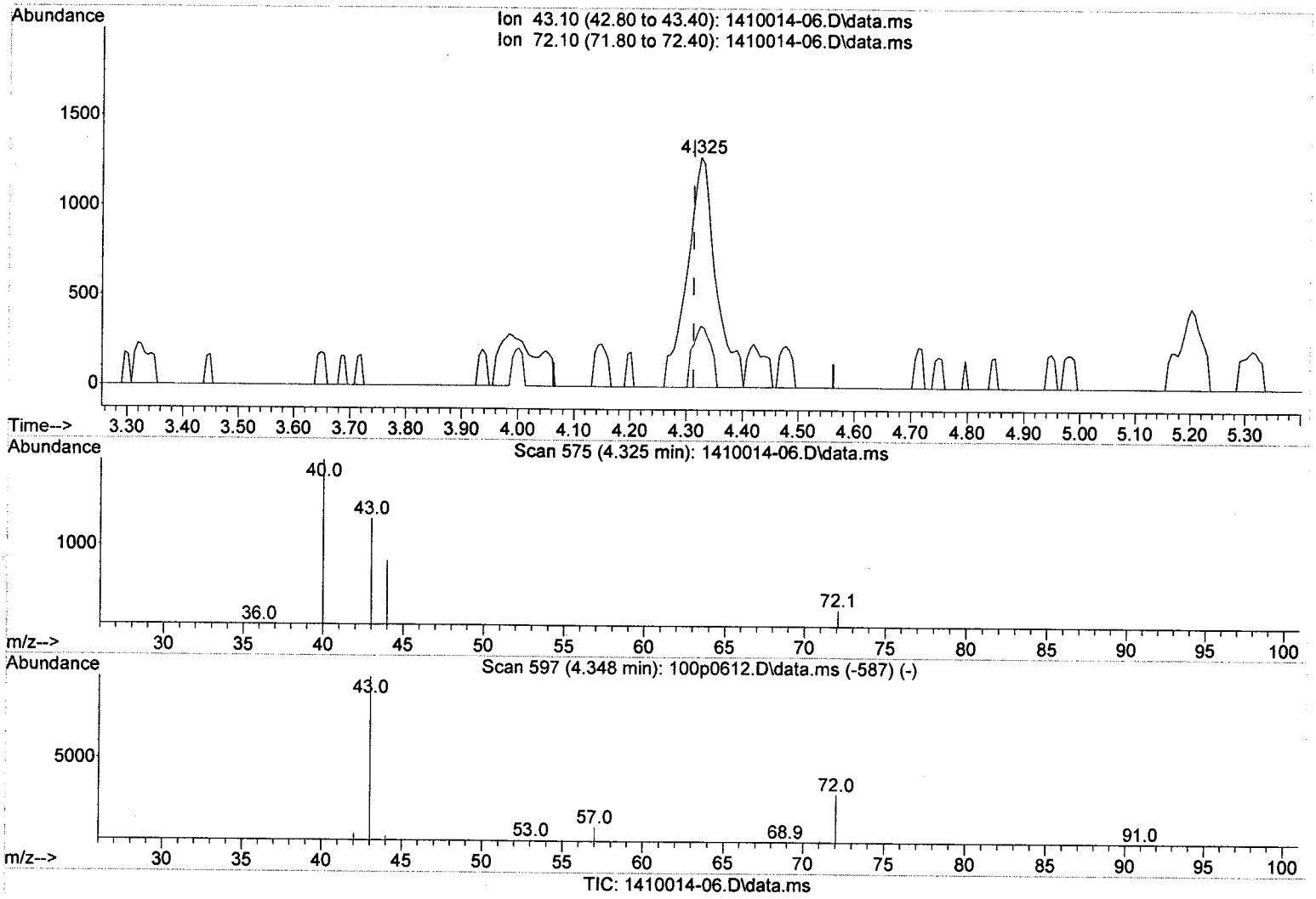
2.225min (+ 0.000) 15.38 ug/L

response 23183

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	37.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-06.D
Acq On : 09 Oct 2014 15:21
Operator : DLV
Sample : 1410014-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 09 17:04:15 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-06.D\data.ms

(25) 2-butanone (MEK)

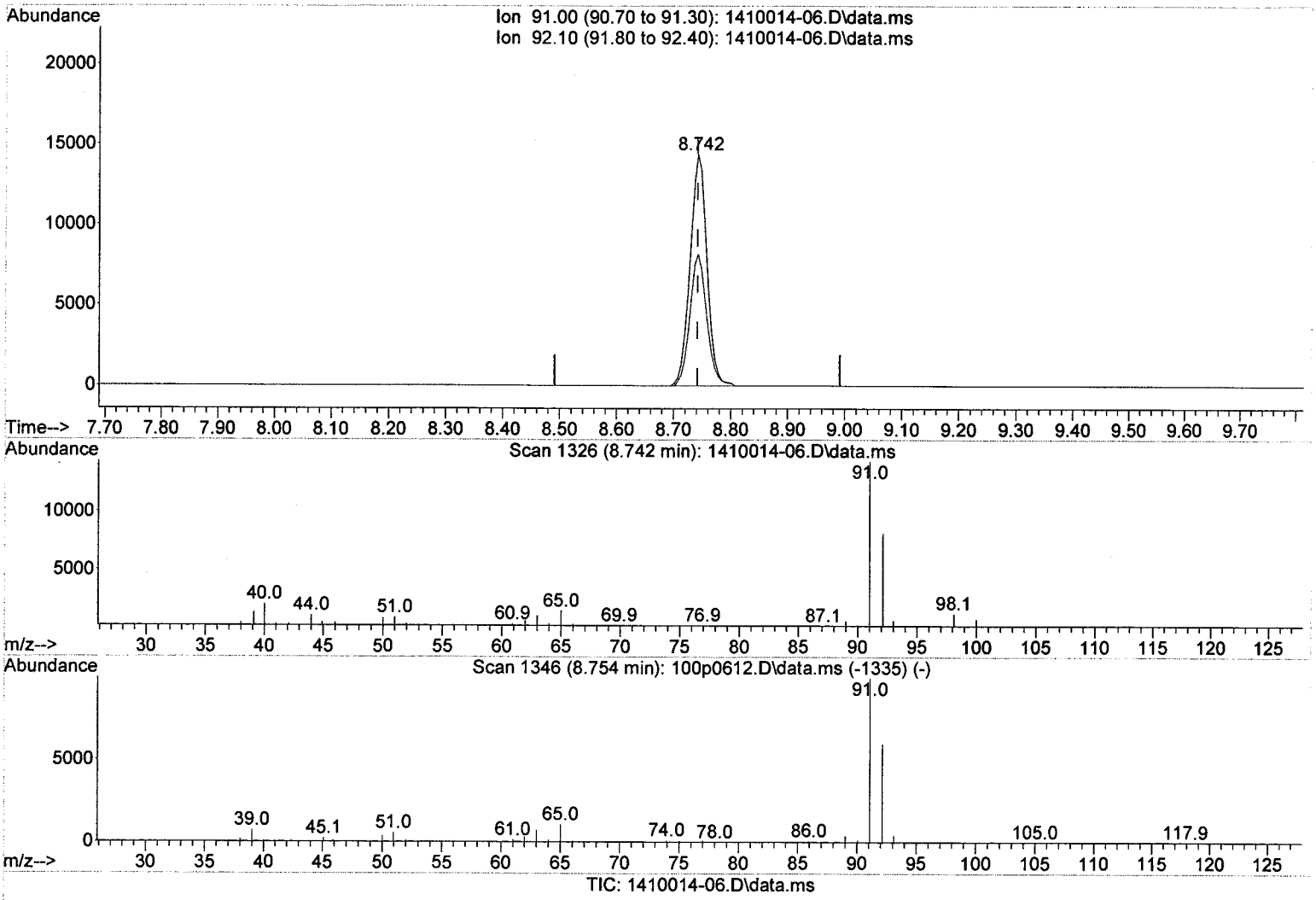
4.325min (+ 0.012) 2.75 ug/L

response 4469

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-06.D
Acq On : 09 Oct 2014 15:21
Operator : DLV
Sample : 1410014-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 09 17:04:15 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-06.D\data.ms

(47) toluene (C)

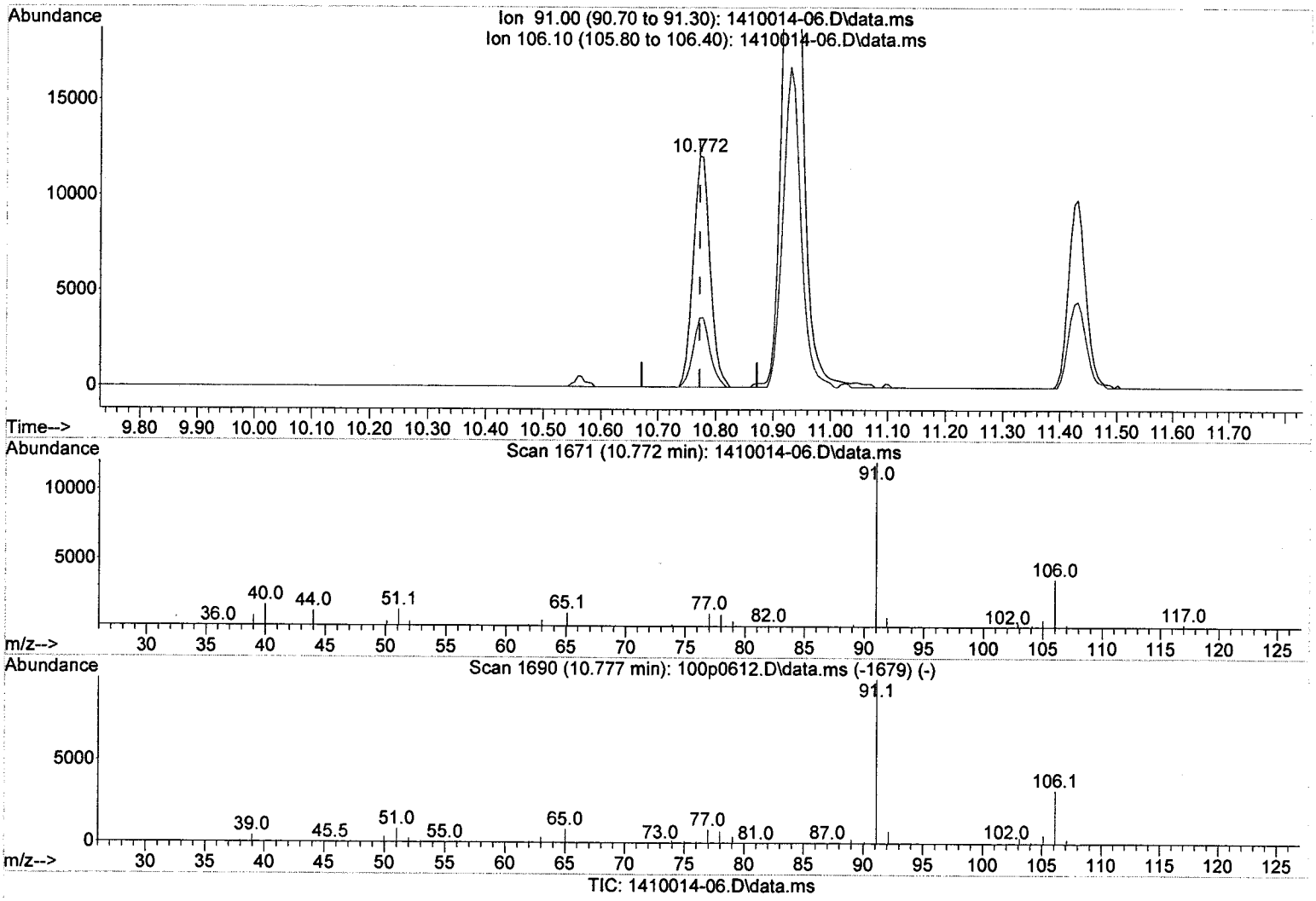
8.742min (+ 0.000) 1.90 ug/L

response 29373

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	57.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-06.D
Acq On : 09 Oct 2014 15:21
Operator : DLV
Sample : 1410014-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 09 17:04:15 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-06.D\data.ms

(59) ethylbenzene (C)

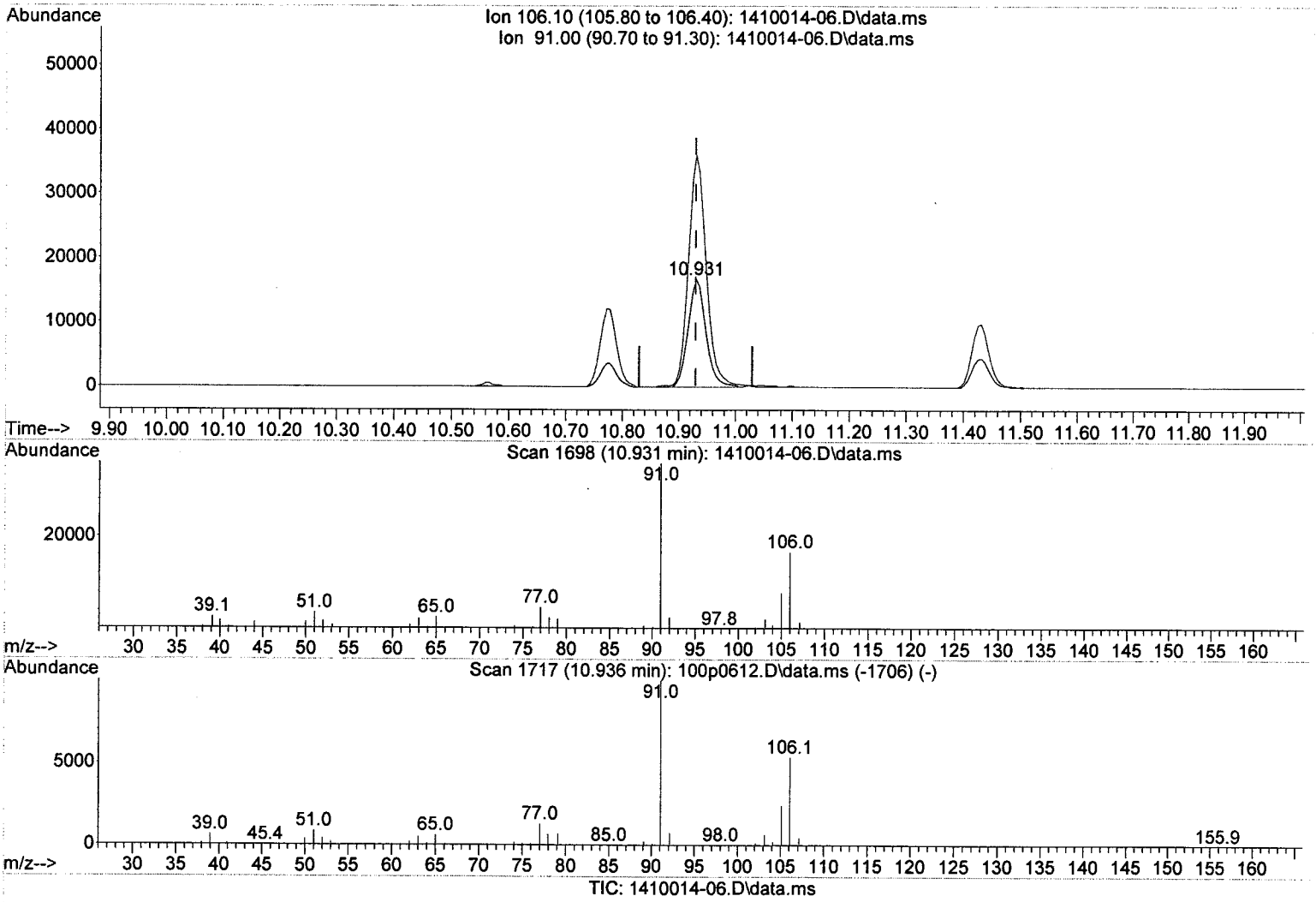
10.772min (-0.000) 1.37 ug/L

response 24476

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	29.98
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-06.D
Acq On : 09 Oct 2014 15:21
Operator : DLV
Sample : 1410014-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 09 17:04:15 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(60) m+p-xylene

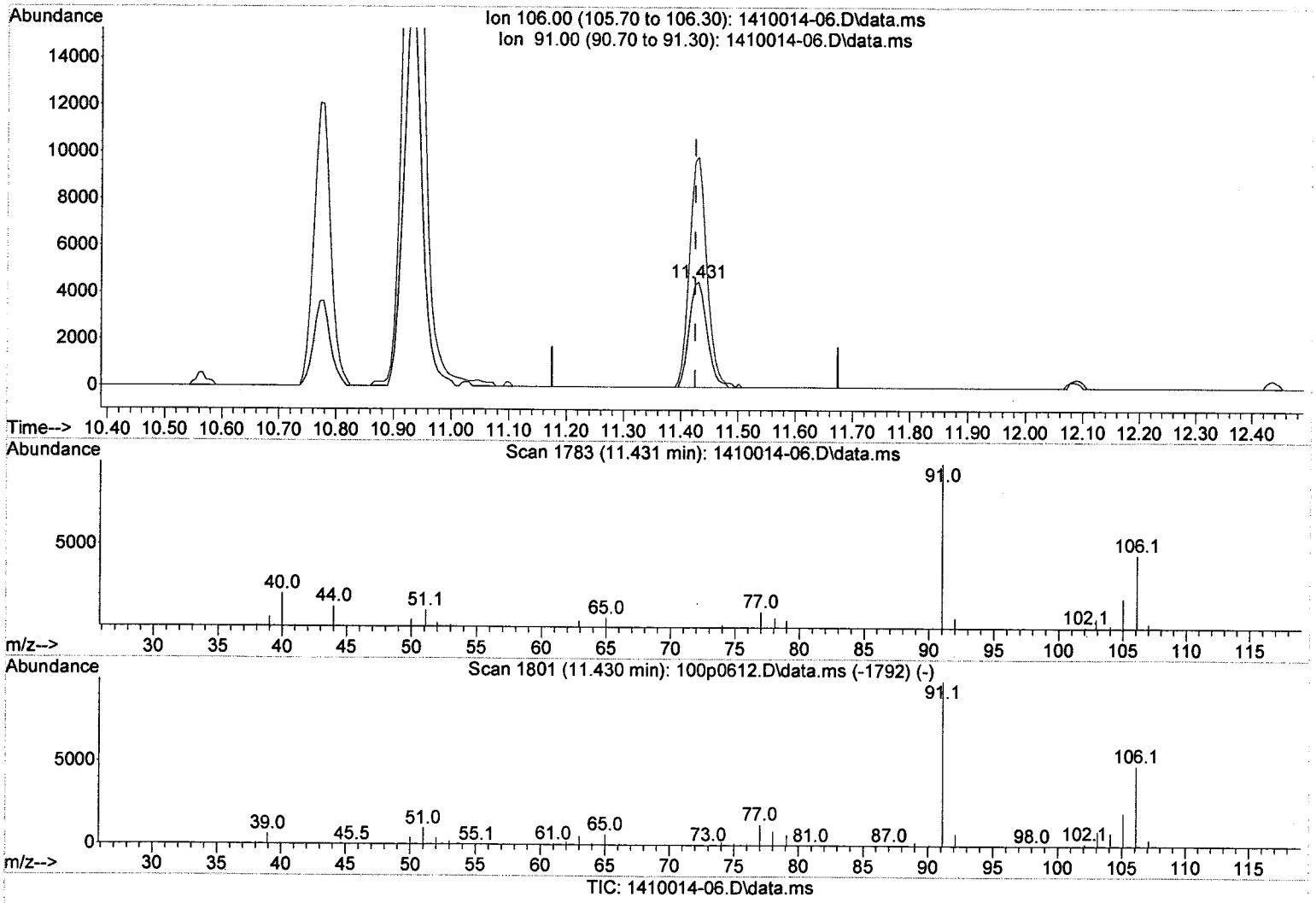
10.931min (+ 0.001) 5.54 ug/L

response 36388

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	215.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-06.D
Acq On : 09 Oct 2014 15:21
Operator : DLV
Sample : 1410014-06
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 09 17:04:15 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-06.D\data.ms

(61) o-xylene

11.431min (+ 0.006) 1.54 ug/L

response 9615

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	215.18
0.00	0.00	0.00
0.00	0.00	0.00

001161

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB11-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-07 File ID: 1410014-07.D

Sampled: 09/29/14 14:19 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 15:44

Solids: 97.59 Preparation: 5035A Low Concentratio Initial/Final: 4.2 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	9.3	5.1	6.1	6.1	
71-43-2	Benzene	1	0.61	0.20	0.61	1.2	U
108-86-1	Bromobenzene	1	0.61	0.16	0.61	1.2	U
74-97-5	Bromochloromethane	1	0.61	0.18	0.61	1.2	U
75-27-4	Bromodichloromethane	1	0.61	0.21	0.61	1.2	U
75-25-2	Bromoform	1	0.61	0.44	0.61	1.2	U
74-83-9	Bromomethane	1	0.61	0.40	0.61	1.2	U
104-51-8	n-Butylbenzene	1	0.61	0.32	0.61	1.2	U
135-98-8	sec-Butylbenzene	1	0.61	0.26	0.61	1.2	U
98-06-6	tert-Butylbenzene	1	0.61	0.20	0.61	1.2	U
75-15-0	Carbon Disulfide	1	0.61	0.28	0.61	1.2	U
56-23-5	Carbon Tetrachloride	1	0.61	0.40	0.61	1.2	U
108-90-7	Chlorobenzene	1	0.61	0.18	0.61	1.2	U
75-00-3	Chloroethane	1	1.2	0.61	1.2	1.2	U
67-66-3	Chloroform	1	0.61	0.17	0.61	1.2	U
74-87-3	Chloromethane	1	0.61	0.31	0.61	1.2	U
95-49-8	2-Chlorotoluene	1	0.61	0.36	0.61	1.2	U
106-43-4	4-Chlorotoluene	1	0.24	0.24	0.24	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.2	0.72	1.2	6.1	U
124-48-1	Dibromochloromethane	1	0.61	0.23	0.61	1.2	U
106-93-4	1,2-Dibromoethane	1	0.61	0.19	0.61	1.2	U
74-95-3	Dibromomethane	1	0.61	0.27	0.61	1.2	U
95-50-1	1,2-Dichlorobenzene	1	0.24	0.11	0.24	1.2	U
541-73-1	1,3-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
106-46-7	1,4-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
75-71-8	Dichlorodifluoromethane	1	0.61	0.18	0.61	1.2	U
75-34-3	1,1-Dichloroethane	1	0.61	0.26	0.61	1.2	U
107-06-2	1,2-Dichloroethane	1	0.61	0.28	0.61	1.2	U
75-35-4	1,1-Dichloroethene	1	0.61	0.37	0.61	1.2	U
156-59-2	cis-1,2-Dichloroethene	1	0.61	0.28	0.61	1.2	U
156-60-5	trans-1,2-Dichloroethene	1	0.61	0.33	0.61	1.2	U
78-87-5	1,2-Dichloropropane	1	0.61	0.21	0.61	1.2	U
142-28-9	1,3-Dichloropropane	1	0.61	0.17	0.61	1.2	U
594-20-7	2,2-Dichloropropane	1	0.61	0.28	0.61	1.2	U
563-58-6	1,1-Dichloropropene	1	0.61	0.34	0.61	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1	0.24	0.14	0.24	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1	0.61	0.15	0.61	1.2	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB11-20

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-07
File ID: 1410014-07.D
Sampled: 09/29/14 14:19
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 15:44
Solids: 97.59
Preparation: 5035A Low Concentratio
Initial/Final: 4.2 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.5	0.23	0.61	1.2	
87-68-3	Hexachlorobutadiene	1	0.61	0.25	0.61	1.2	U
591-78-6	2-Hexanone	1	0.61	0.59	0.61	6.1	U
98-82-8	Isopropylbenzene	1	0.24	0.14	0.24	1.2	U
99-87-6	4-Isopropyltoluene	1	0.61	0.29	0.61	1.2	U
75-09-2	Methylene Chloride	1	1.2	0.57	1.2	6.1	U
78-93-3	2-Butanone (MEK)	1	6.1	1.4	6.1	6.1	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.61	0.47	0.61	6.1	U
91-20-3	Naphthalene	1	0.61	0.20	0.61	6.1	U
103-65-1	n-Propylbenzene	1	0.61	0.14	0.61	1.2	U
100-42-5	Styrene	1	0.24	0.24	0.24	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.61	0.18	0.61	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.61	0.18	0.61	1.2	U
127-18-4	Tetrachloroethene	1	0.61	0.21	0.61	1.2	U
108-88-3	Toluene	1	2.2	0.12	0.24	1.2	
87-61-6	1,2,3-Trichlorobenzene	1	0.61	0.35	0.61	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1	0.61	0.21	0.61	1.2	U
71-55-6	1,1,1-Trichloroethane	1	0.61	0.17	0.61	1.2	U
79-00-5	1,1,2-Trichloroethane	1	0.61	0.26	0.61	1.2	U
79-01-6	Trichloroethene	1	0.61	0.30	0.61	1.2	U
75-69-4	Trichlorofluoromethane	1	0.61	0.21	0.61	1.2	U
96-18-4	1,2,3-Trichloropropane	1	0.61	0.28	0.61	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1	0.61	0.14	0.61	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1	0.61	0.24	0.61	1.2	U
75-01-4	Vinyl Chloride	1	0.61	0.24	0.61	1.2	U
179601-23-1	Xylene, Meta + Para	1	6.4	0.17	0.49	2.4	
95-47-6	Xylene, Ortho	1	1.6	0.14	0.24	1.2	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.2	105	78 - 119	
1,2-Dichloroethane-d4	40.0	43.8	110	71 - 136	
Toluene-d8	40.0	40.4	101	85 - 116	
4-Bromofluorobenzene	40.0	40.2	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	418570	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB11-20

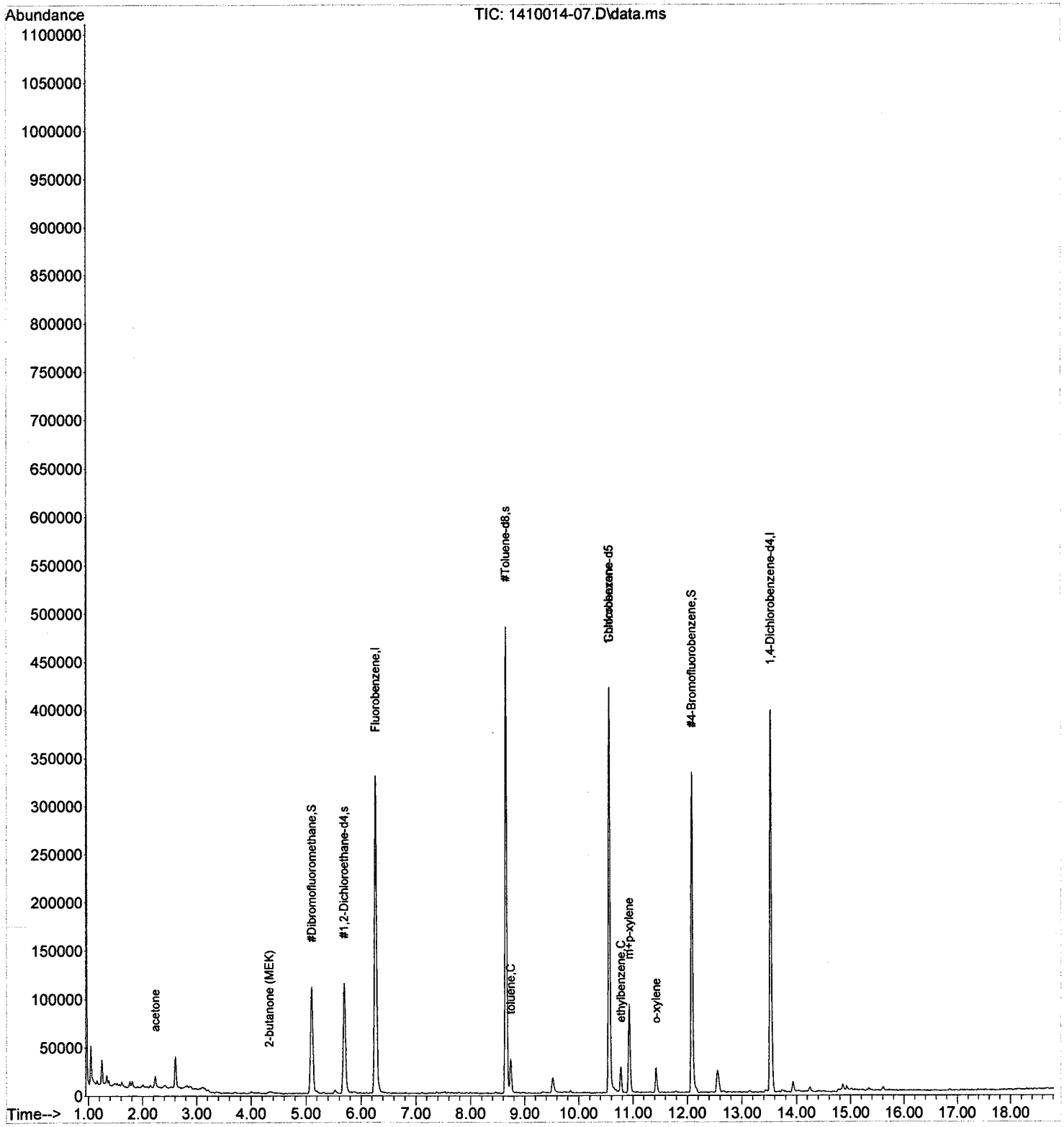
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-07
File ID: 1410014-07.D
Sampled: 09/29/14 14:19
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 15:44
Solids: 97.59
Preparation: 5035A Low Concentratio
Initial/Final: 4.2 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	296575	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	143388	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-07.D
Acq On : 09 Oct 2014 15:44
Operator : DLV
Sample : 1410014-07
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 09 17:04:18 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-07.D
Acq On : 09 Oct 2014 15:44
Operator : DLV
Sample : 1410014-07
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 09 17:04:18 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	418570	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	296575	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	143388	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	109631	42.19	ug/L	0.00
Spiked Amount 40.000			Recovery = 105.47%			
37) #1,2-Dichloroethane-d4	5.690	67	66894	43.84	ug/L	0.00
Spiked Amount 40.000			Recovery = 109.60%			
46) #Toluene-d8	8.654	98	409134	40.42	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.05%			
64) #4-Bromofluorobenzene	12.083	95	147485	40.18	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.45%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	15104	7.65	ug/L #	87
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	19702	N.D.		
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.331	43	3516	2.14	ug/L #	48
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

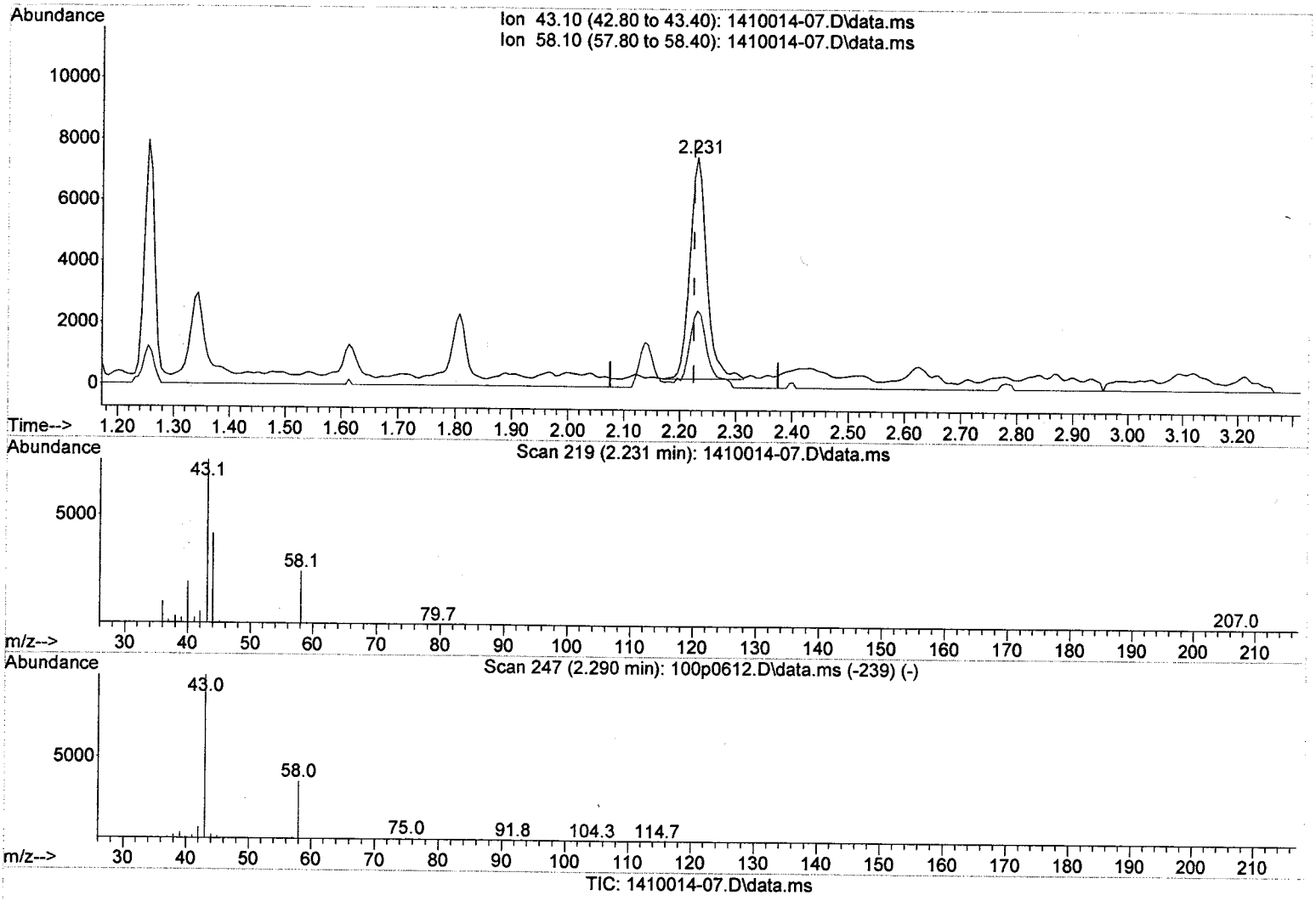
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-07.D
Acq On : 09 Oct 2014 15:44
Operator : DLV
Sample : 1410014-07
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 09 17:04:18 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.742	91	27895	1.78	ug/L		99
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	0.000		0	N.D.			
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.560	55	2248	0.56	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.778	91	22272	1.25	ug/L		95
60)	m+p-xylene	10.931	106	34312	5.22	ug/L		97
61)	o-xylene	11.431	106	8257	1.33	ug/L		97
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	0.000		0	N.D.			
77)	sec-butylbenzene	0.000		0	N.D.			
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-07.D
Acq On : 09 Oct 2014 15:44
Operator : DLV
Sample : 1410014-07
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 09 17:04:18 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-07.D\data.ms

(13) acetone

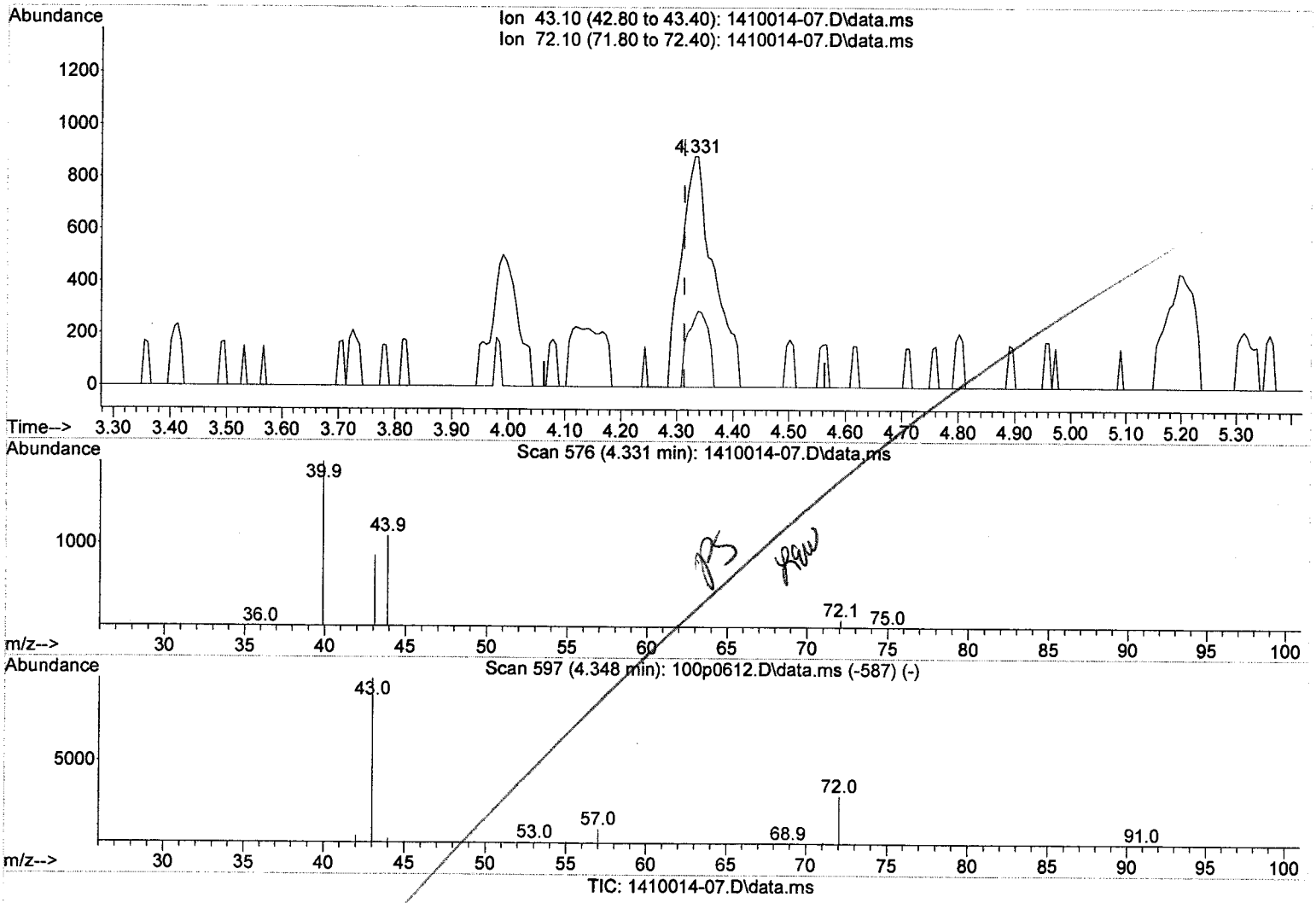
2.231min (+ 0.006) 7.65 ug/L

response 15104

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	38.57#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-07.D
Acq On : 09 Oct 2014 15:44
Operator : DLV
Sample : 1410014-07
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 09 17:04:18 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-07.D\data.ms

(25) 2-butanone (MEK)

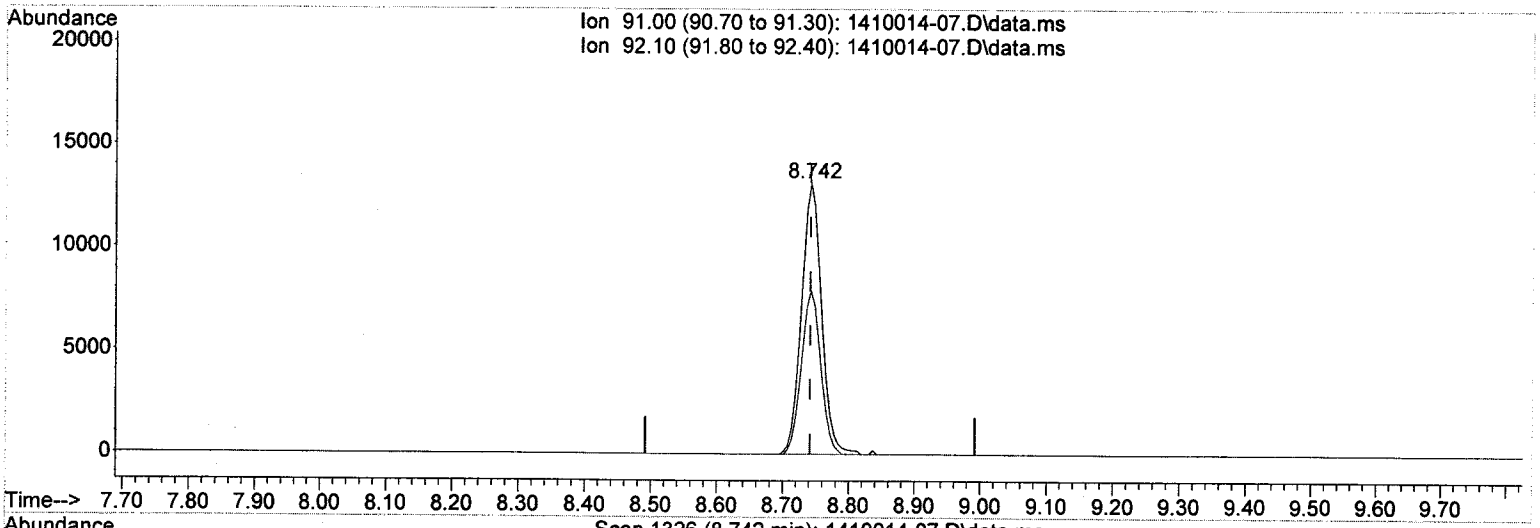
4.331min (+ 0.018) 2.14 ug/L

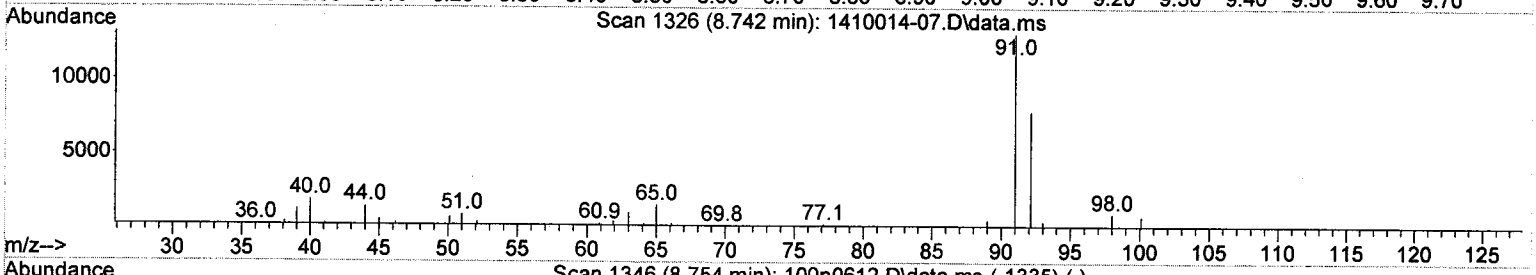
response 3516

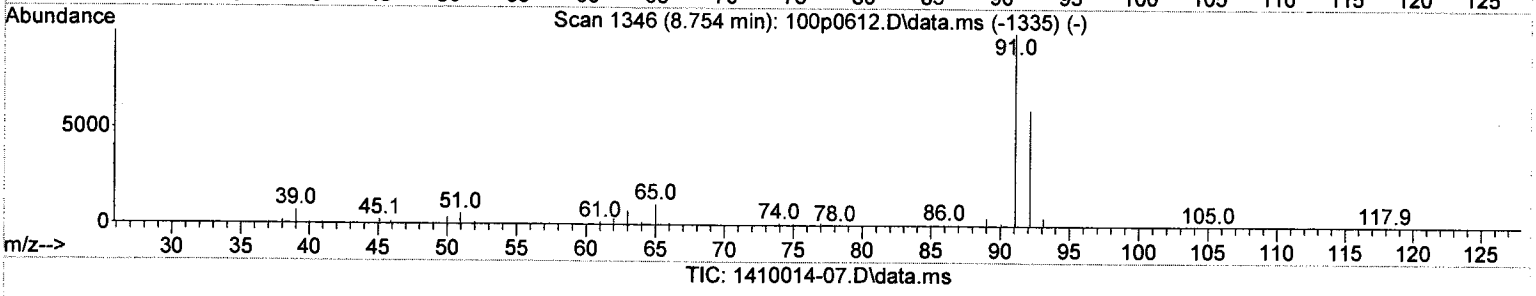
Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-07.D
Acq On : 09 Oct 2014 15:44
Operator : DLV
Sample : 1410014-07
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 09 17:04:18 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410014-07.D\data.ms

(47) toluene (C)

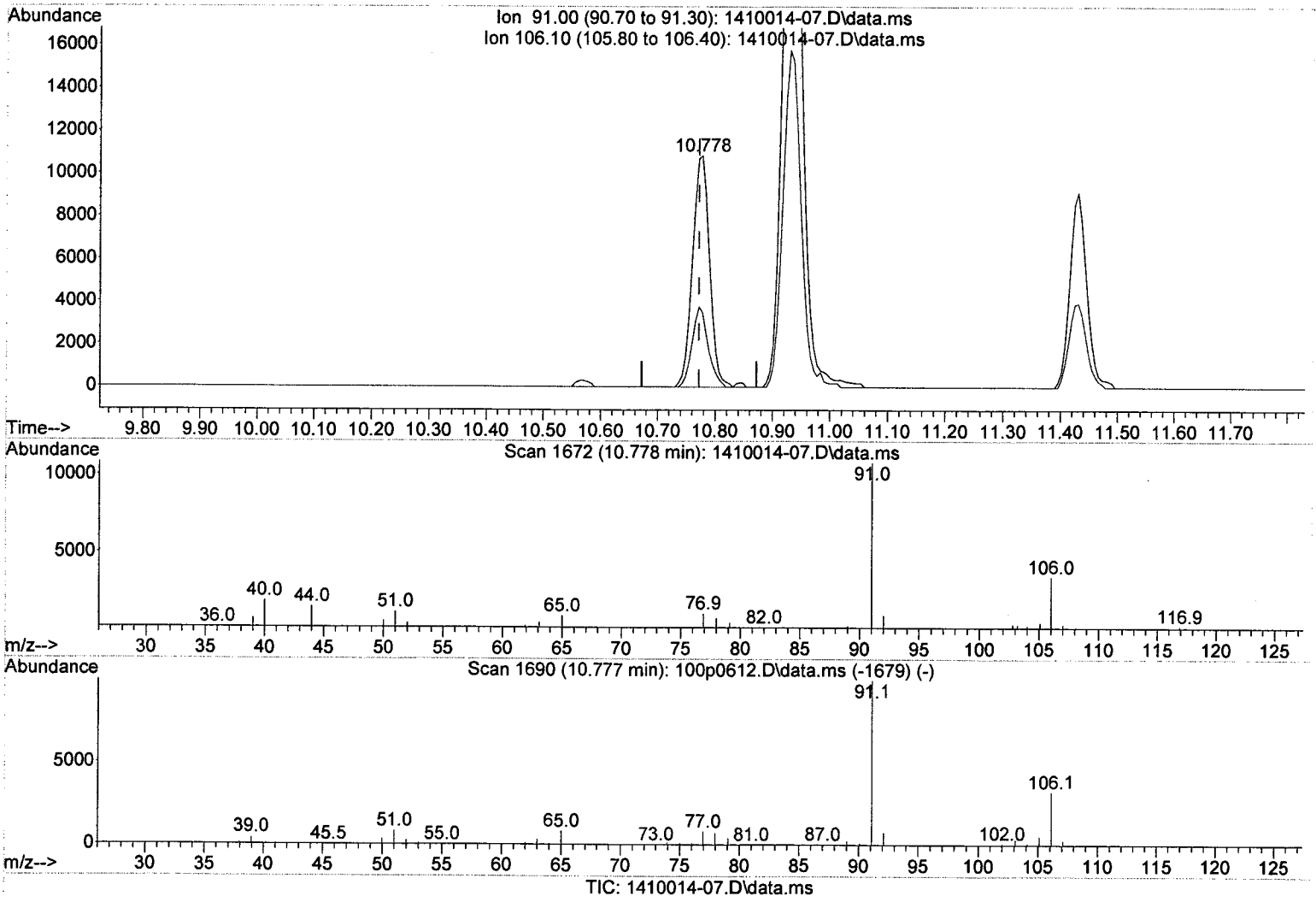
8.742min (+ 0.000) 1.78 ug/L

response 27895

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	57.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-07.D
Acq On : 09 Oct 2014 15:44
Operator : DLV
Sample : 1410014-07
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 09 17:04:18 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-07.D\data.ms

(59) ethylbenzene (C)

10.778min (+ 0.006) 1.25 ug/L

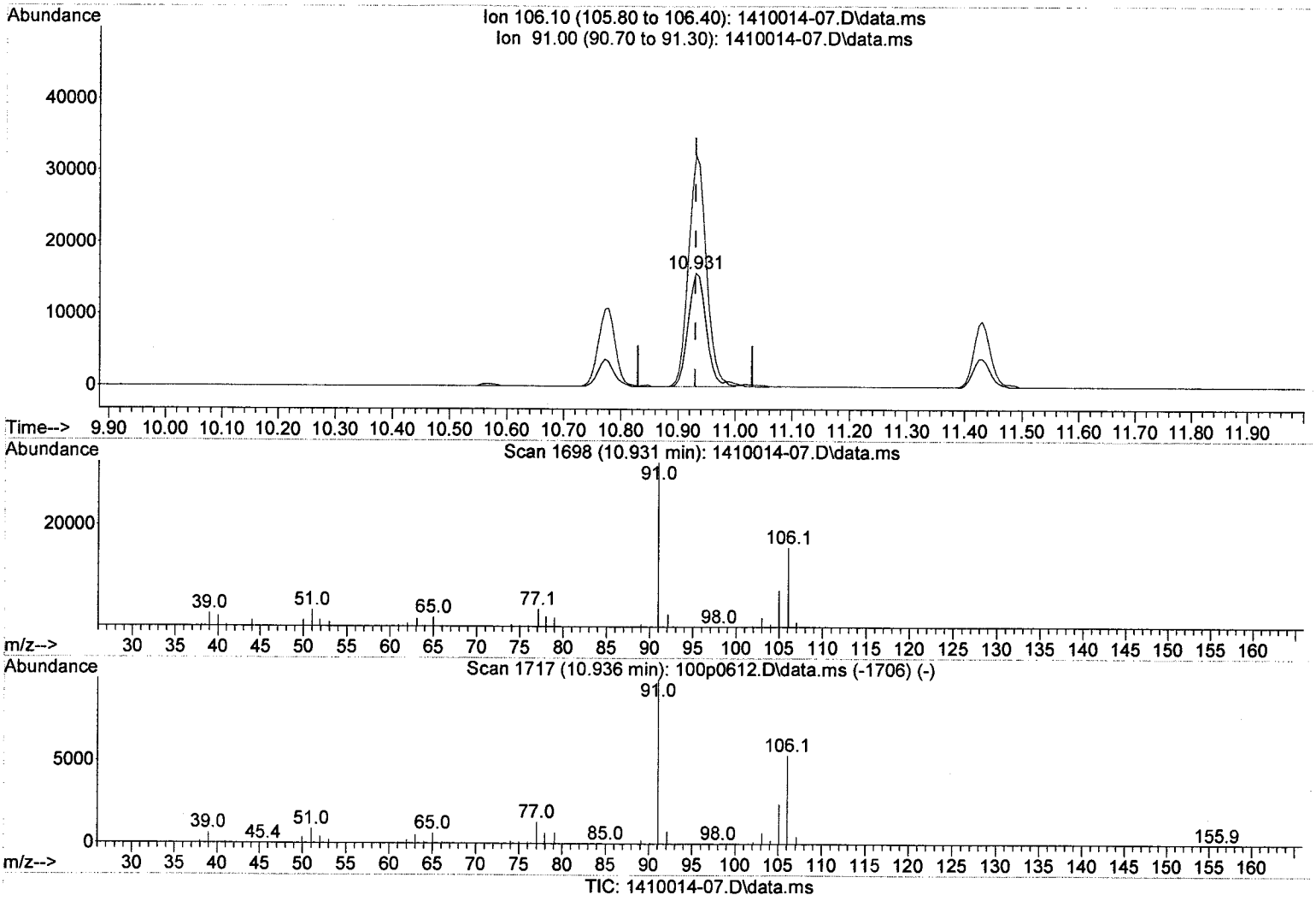
response 22272

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	32.57
0.00	0.00	0.00
0.00	0.00	0.00

001171

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-07.D
Acq On : 09 Oct 2014 15:44
Operator : DLV
Sample : 1410014-07
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 09 17:04:18 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(60) m+p-xylene

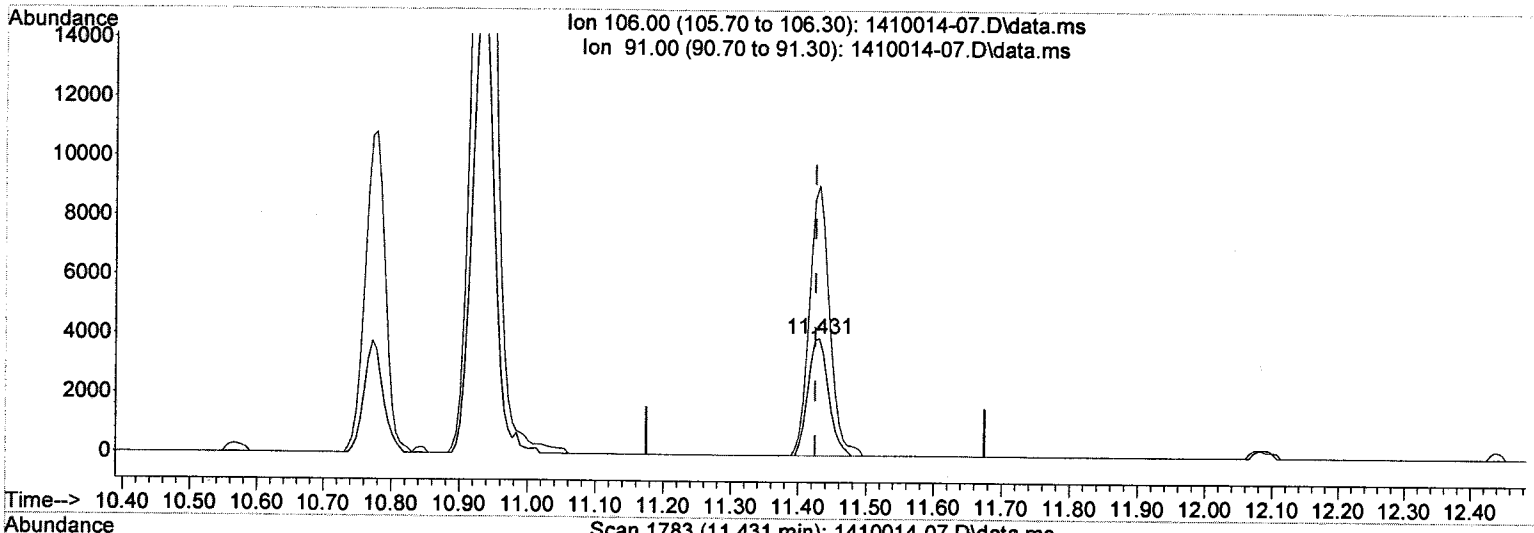
10.931min (+ 0.001) 5.22 ug/L

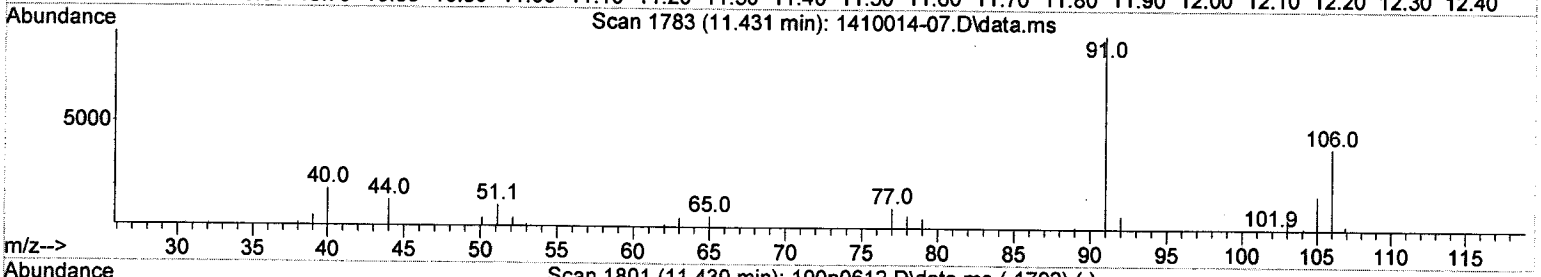
response 34312

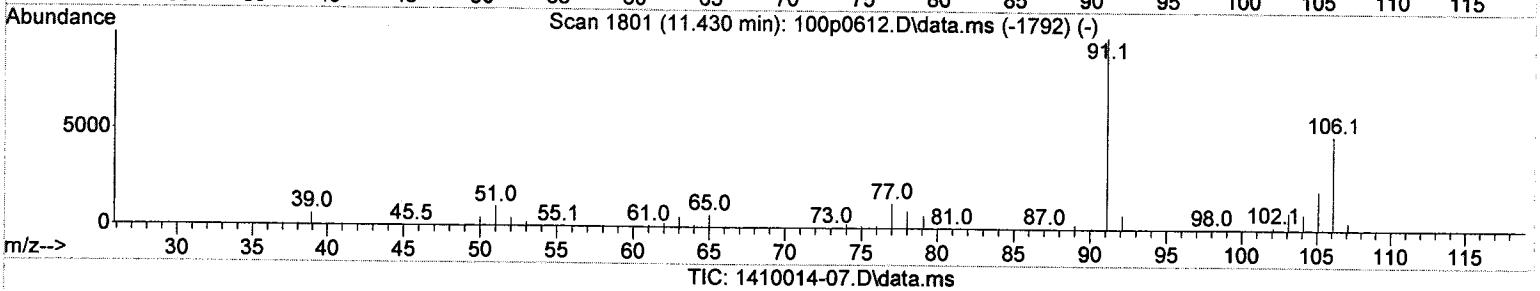
Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	203.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-07.D
Acq On : 09 Oct 2014 15:44
Operator : DLV
Sample : 1410014-07
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 09 17:04:18 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410014-07.D\data.ms

(61) o-xylene

11.431min (+ 0.006) 1.33 ug/L

response 8257

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	225.60
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-08 File ID: 1410014-08.D

Sampled: 09/29/14 14:36 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 16:08

Solids: 97.02 Preparation: 5035A Low Concentratio Initial/Final: 3.9 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	43	5.6	6.6	6.6	
71-43-2	Benzene	1	0.66	0.21	0.66	1.3	U
108-86-1	Bromobenzene	1	0.66	0.18	0.66	1.3	U
74-97-5	Bromochloromethane	1	0.66	0.19	0.66	1.3	U
75-27-4	Bromodichloromethane	1	0.66	0.23	0.66	1.3	U
75-25-2	Bromoform	1	0.66	0.47	0.66	1.3	U
74-83-9	Bromomethane	1	0.66	0.43	0.66	1.3	U
104-51-8	n-Butylbenzene	1	0.66	0.34	0.66	1.3	U
135-98-8	sec-Butylbenzene	1	0.66	0.28	0.66	1.3	U
98-06-6	tert-Butylbenzene	1	0.66	0.22	0.66	1.3	U
75-15-0	Carbon Disulfide	1	3.2	0.31	0.66	1.3	
56-23-5	Carbon Tetrachloride	1	0.66	0.43	0.66	1.3	U
108-90-7	Chlorobenzene	1	0.66	0.20	0.66	1.3	U
75-00-3	Chloroethane	1	1.3	0.66	1.3	1.3	U
67-66-3	Chloroform	1	0.66	0.19	0.66	1.3	U
74-87-3	Chloromethane	1	0.66	0.34	0.66	1.3	U
95-49-8	2-Chlorotoluene	1	0.66	0.39	0.66	1.3	U
106-43-4	4-Chlorotoluene	1	0.26	0.26	0.26	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.3	0.78	1.3	6.6	U
124-48-1	Dibromochloromethane	1	0.66	0.24	0.66	1.3	U
106-93-4	1,2-Dibromoethane	1	0.66	0.20	0.66	1.3	U
74-95-3	Dibromomethane	1	0.66	0.30	0.66	1.3	U
95-50-1	1,2-Dichlorobenzene	1	0.26	0.12	0.26	1.3	U
541-73-1	1,3-Dichlorobenzene	1	0.26	0.14	0.26	1.3	U
106-46-7	1,4-Dichlorobenzene	1	0.26	0.14	0.26	1.3	U
75-71-8	Dichlorodifluoromethane	1	0.66	0.19	0.66	1.3	U
75-34-3	1,1-Dichloroethane	1	0.66	0.28	0.66	1.3	U
107-06-2	1,2-Dichloroethane	1	0.66	0.30	0.66	1.3	U
75-35-4	1,1-Dichloroethene	1	0.66	0.40	0.66	1.3	U
156-59-2	cis-1,2-Dichloroethene	1	0.66	0.30	0.66	1.3	U
156-60-5	trans-1,2-Dichloroethene	1	0.66	0.36	0.66	1.3	U
78-87-5	1,2-Dichloropropane	1	0.66	0.22	0.66	1.3	U
142-28-9	1,3-Dichloropropane	1	0.66	0.19	0.66	1.3	U
594-20-7	2,2-Dichloropropane	1	0.66	0.30	0.66	1.3	U
563-58-6	1,1-Dichloropropene	1	0.66	0.37	0.66	1.3	U
10061-01-5	cis-1,3-Dichloropropene	1	0.26	0.15	0.26	1.3	U
10061-02-6	trans-1,3-Dichloropropene	1	0.66	0.16	0.66	1.3	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-08 File ID: 1410014-08.D

Sampled: 09/29/14 14:36 Prepared: 10/08/14 07:00 Analyzed: 10/09/14 16:08

Solids: 97.02 Preparation: 5035A Low Concentratio Initial/Final: 3.9 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	2.0	0.25	0.66	1.3	
87-68-3	Hexachlorobutadiene	1	0.66	0.27	0.66	1.3	U
591-78-6	2-Hexanone	1	0.66	0.63	0.66	6.6	U
98-82-8	Isopropylbenzene	1	0.25	0.15	0.26	1.3	J
99-87-6	4-Isopropyltoluene	1	0.66	0.32	0.66	1.3	U
75-09-2	Methylene Chloride	1	1.3	0.62	1.3	6.6	U
78-93-3	2-Butanone (MEK)	1	6.0	1.5	6.6	6.6	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.66	0.51	0.66	6.6	U
91-20-3	Naphthalene	1	0.66	0.21	0.66	6.6	U
103-65-1	n-Propylbenzene	1	0.66	0.15	0.66	1.3	U
100-42-5	Styrene	1	0.26	0.26	0.26	1.3	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.66	0.20	0.66	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.66	0.19	0.66	1.3	U
127-18-4	Tetrachloroethene	1	1.1	0.23	0.66	1.3	J
108-88-3	Toluene	1	2.9	0.13	0.26	1.3	
87-61-6	1,2,3-Trichlorobenzene	1	0.66	0.38	0.66	1.3	U
120-82-1	1,2,4-Trichlorobenzene	1	0.66	0.22	0.66	1.3	U
71-55-6	1,1,1-Trichloroethane	1	0.71	0.19	0.66	1.3	J
79-00-5	1,1,2-Trichloroethane	1	0.66	0.28	0.66	1.3	U
79-01-6	Trichloroethene	1	0.66	0.32	0.66	1.3	U
75-69-4	Trichlorofluoromethane	1	0.66	0.23	0.66	1.3	U
96-18-4	1,2,3-Trichloropropane	1	0.66	0.30	0.66	1.3	U
95-63-6	1,2,4-Trimethylbenzene	1	0.19	0.15	0.66	1.3	J
108-67-8	1,3,5-Trimethylbenzene	1	0.66	0.26	0.66	1.3	U
75-01-4	Vinyl Chloride	1	0.66	0.26	0.66	1.3	U
179601-23-1	Xylene, Meta + Para	1	7.8	0.19	0.53	2.6	
95-47-6	Xylene, Ortho	1	2.2	0.15	0.26	1.3	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.7	102	78 - 119	
1,2-Dichloroethane-d4	40.0	43.4	108	71 - 136	
Toluene-d8	40.0	39.8	100	85 - 116	
4-Bromofluorobenzene	40.0	39.6	99	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	398739	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB11-34

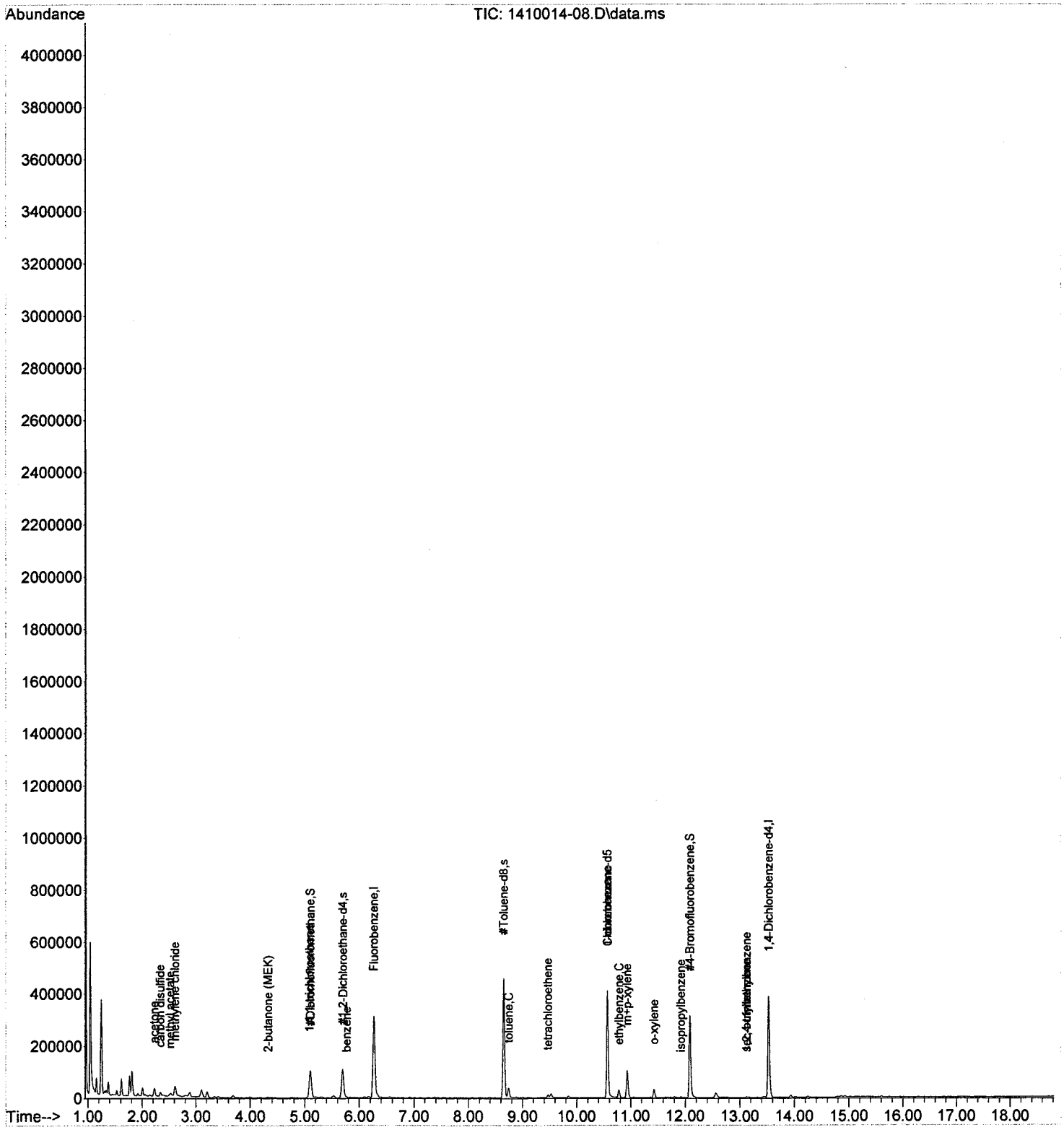
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-08
File ID: 1410014-08.D
Sampled: 09/29/14 14:36
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 16:08
Solids: 97.02
Preparation: 5035A Low Concentratio
Initial/Final: 3.9 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	287615	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	139282	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	398739	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	287615	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	139282	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	100753	40.70	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.75%			
37) #1,2-Dichloroethane-d4	5.696	67	63083	43.40	ug/L	0.00
Spiked Amount 40.000			Recovery = 108.50%			
46) #Toluene-d8	8.654	98	384275	39.85	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.63%			
64) #4-Bromofluorobenzene	12.083	95	141027	39.62	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.05%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.225	43	40226	32.69	ug/L	94
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.337	76	19416	2.43	ug/L #	85
16) methyl acetate	2.519	43	3467	1.26	ug/L #	60
17) methylene chloride	2.607	49	19846	0.41	ug/L	98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	7125	4.55	ug/L	93
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	5.090	97	2527	0.54	ug/L #	62
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	5.766	78	1928	0.14	ug/L #	63
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

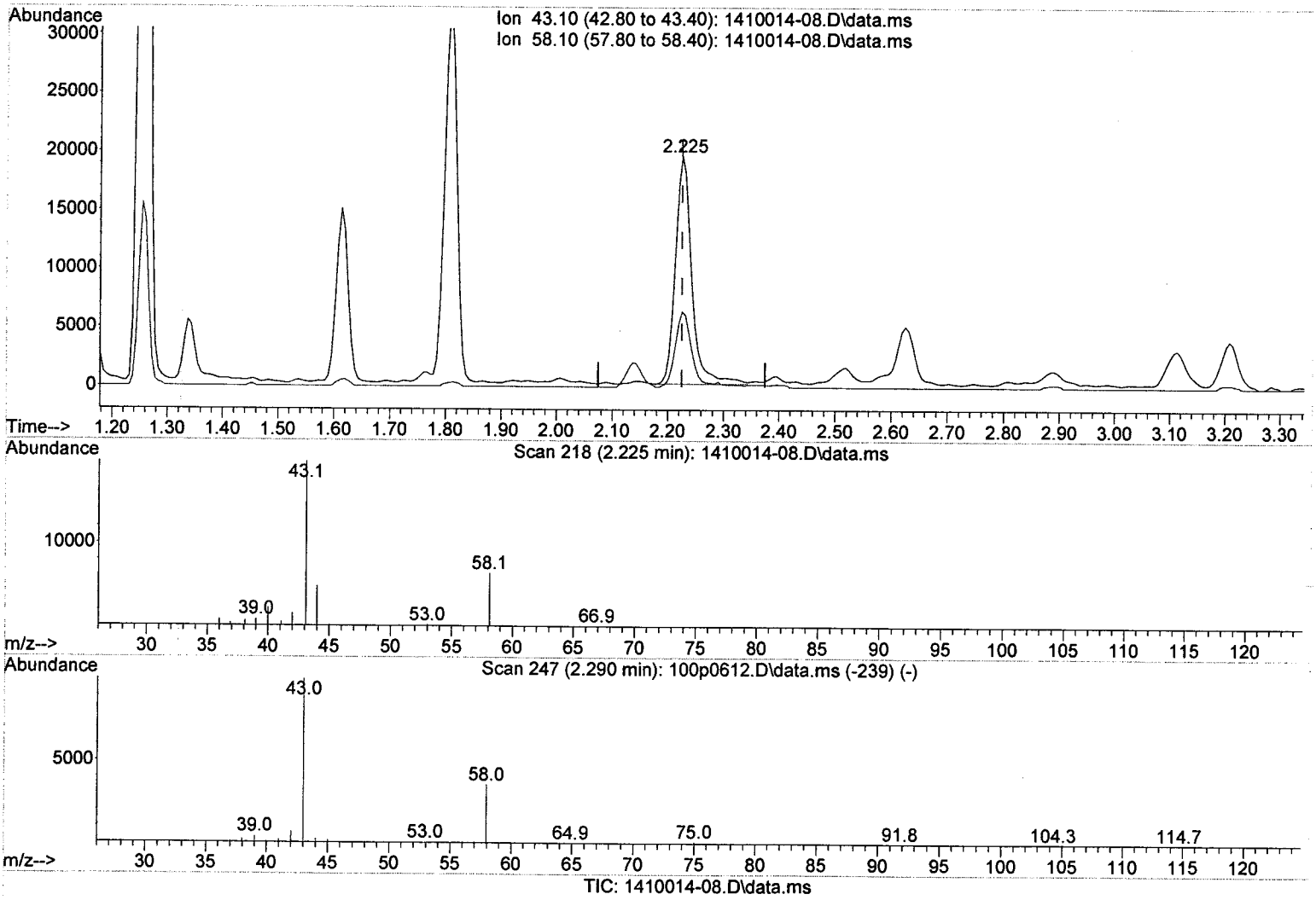
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	0.000		0	N.D.			
40) 1,2-dichloropropane	0.000		0	N.D.			
41) dibromomethane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	0.000		0	N.D.			
45) 4-methyl-2-pentanone (...	0.000		0	N.D.			
47) toluene	8.742	91	33197	2.22	ug/L		100
48) trans-1,3-dichloropropene	0.000		0	N.D.			
49) 1,1,2-trichloroethane	0.000		0	N.D.			
51) tetrachloroethene	9.466	166	3636	0.86	ug/L		93
52) 1,3-dichloropropane	0.000		0	N.D.			
53) 2-hexanone (MBK)	0.000		0	N.D.			
54) dibromochloromethane	0.000		0	N.D.			
55) 1,2-dibromoethane	0.000		0	N.D.			
56) chlorobenzene	0.000		0	N.D.			
57) 1-chlorohexane	10.566	55	2300	0.59	ug/L	#	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59) ethylbenzene	10.778	91	26109	1.51	ug/L		99
60) m+p-xylene	10.931	106	37746	5.92	ug/L		98
61) o-xylene	11.431	106	9887	1.64	ug/L		99
62) styrene	0.000		0	N.D.			
63) bromoform	0.000		0	N.D.			
66) isopropylbenzene	11.919	105	3020	0.19	ug/L	#	49
67) bromobenzene	0.000		0	N.D.			
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69) 1,2,3-trichloropropane	0.000		0	N.D.			
70) 1,4-dichloro-2-butene	0.000		0	N.D.			
71) n-propylbenzene	0.000		0	N.D.			
72) 2-chlorotoluene	0.000		0	N.D.			
73) 1,3,5-trimethylbenzene	0.000		0	N.D.			
74) 4-chlorotoluene	0.000		0	N.D.			
75) tert-butylbenzene	0.000		0	N.D.			
76) 1,2,4-trimethylbenzene	13.125	105	1821	0.14	ug/L	#	31
77) sec-butylbenzene	13.125	105	1821	0.10	ug/L	#	58
78) 1,3-dichlorobenzene	0.000		0	N.D.			
79) 4-isopropyltoluene	0.000		0	N.D.			
80) 1,4-dichlorobenzene	0.000		0	N.D.			
81) 1,2-dichlorobenzene	0.000		0	N.D.			
82) n-butylbenzene	0.000		0	N.D.			
83) hexachloroethane	0.000		0	N.D.			
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85) 1,2,4-trichlorobenzene	0.000		0	N.D.			
86) hexachlorobutadiene	0.000		0	N.D.			
87) naphthalene	0.000		0	N.D.			
88) 1,2,3-trichlorobenzene	0.000		0	N.D.			
89) 2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(13) acetone

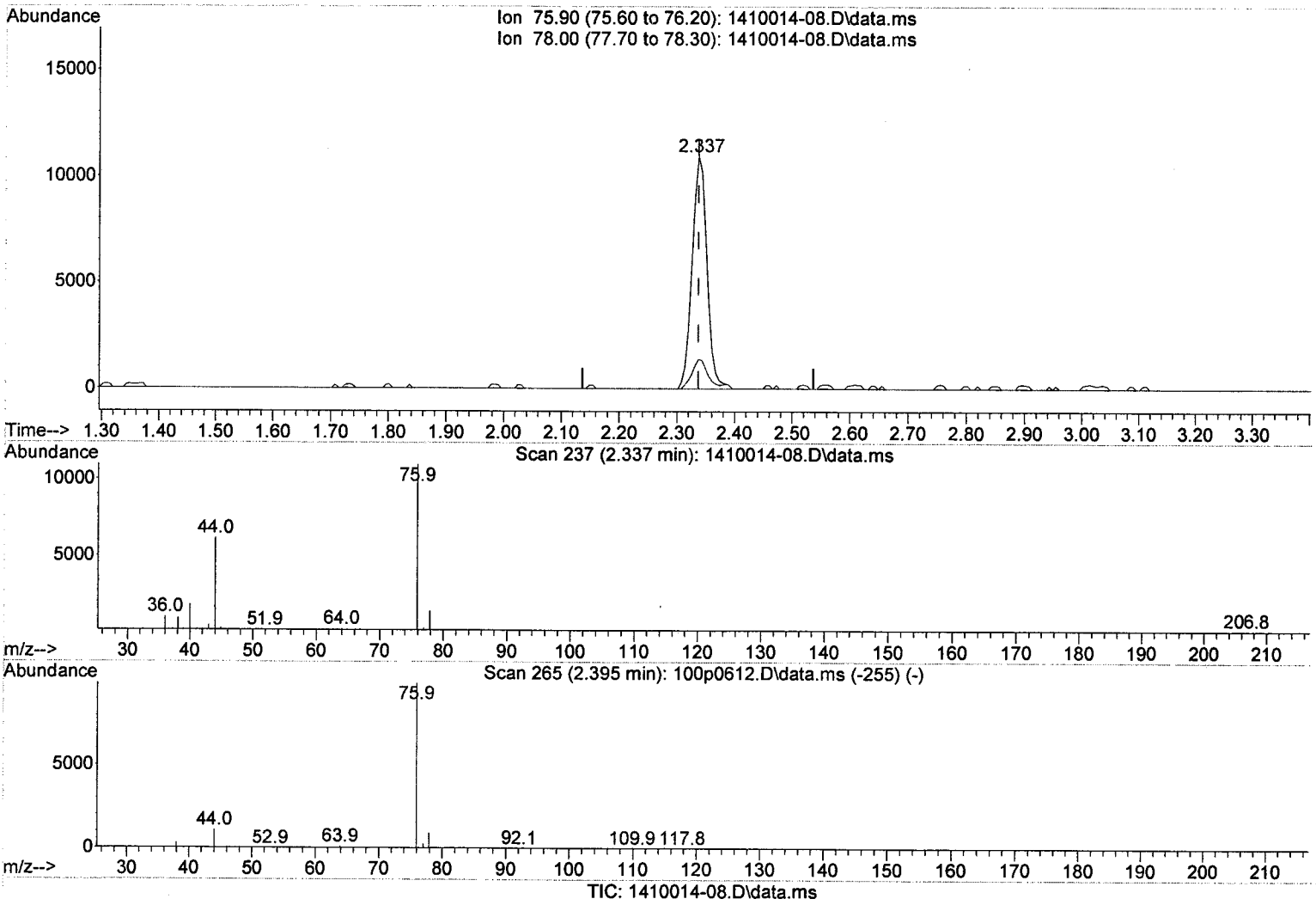
2.225min (+ 0.000) 32.69 ug/L

response 40226

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	34.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(15) carbon disulfide

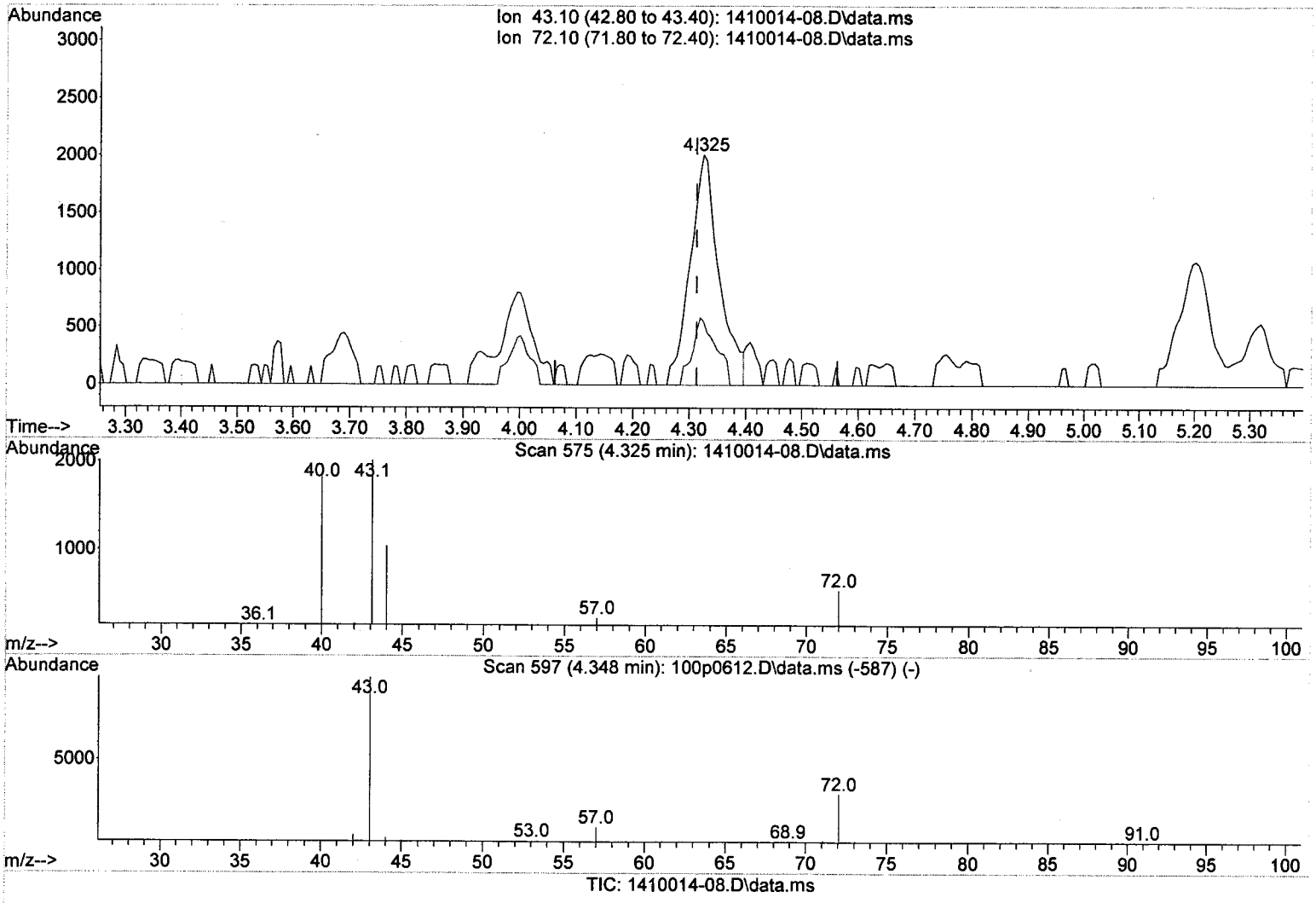
2.337min (-0.000) 2.43 ug/L

response 19416

Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	14.47#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(25) 2-butanone (MEK)

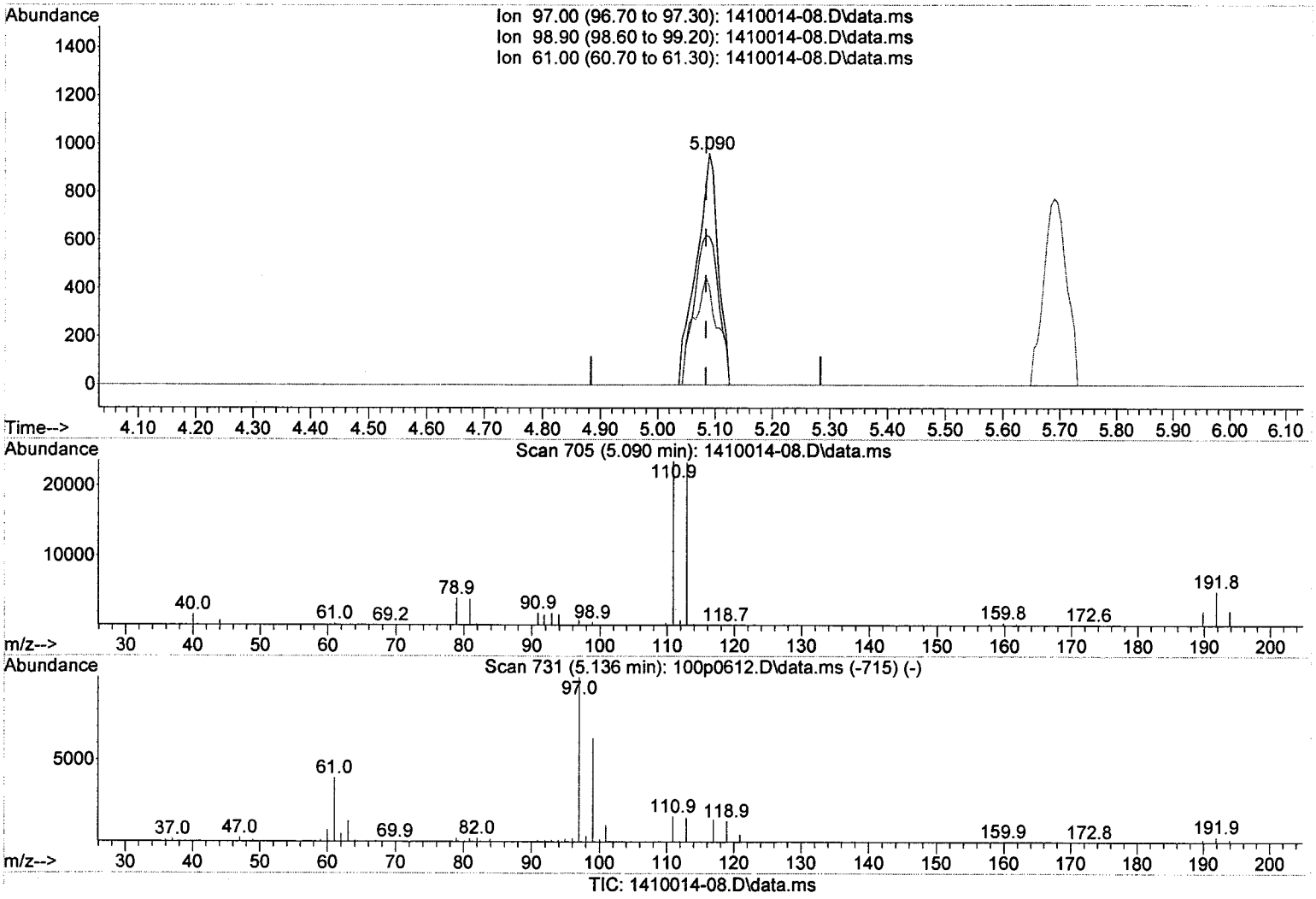
4.325min (+ 0.012) 4.55 ug/L

response 7125

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	23.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(30) 1,1,1-trichloroethane

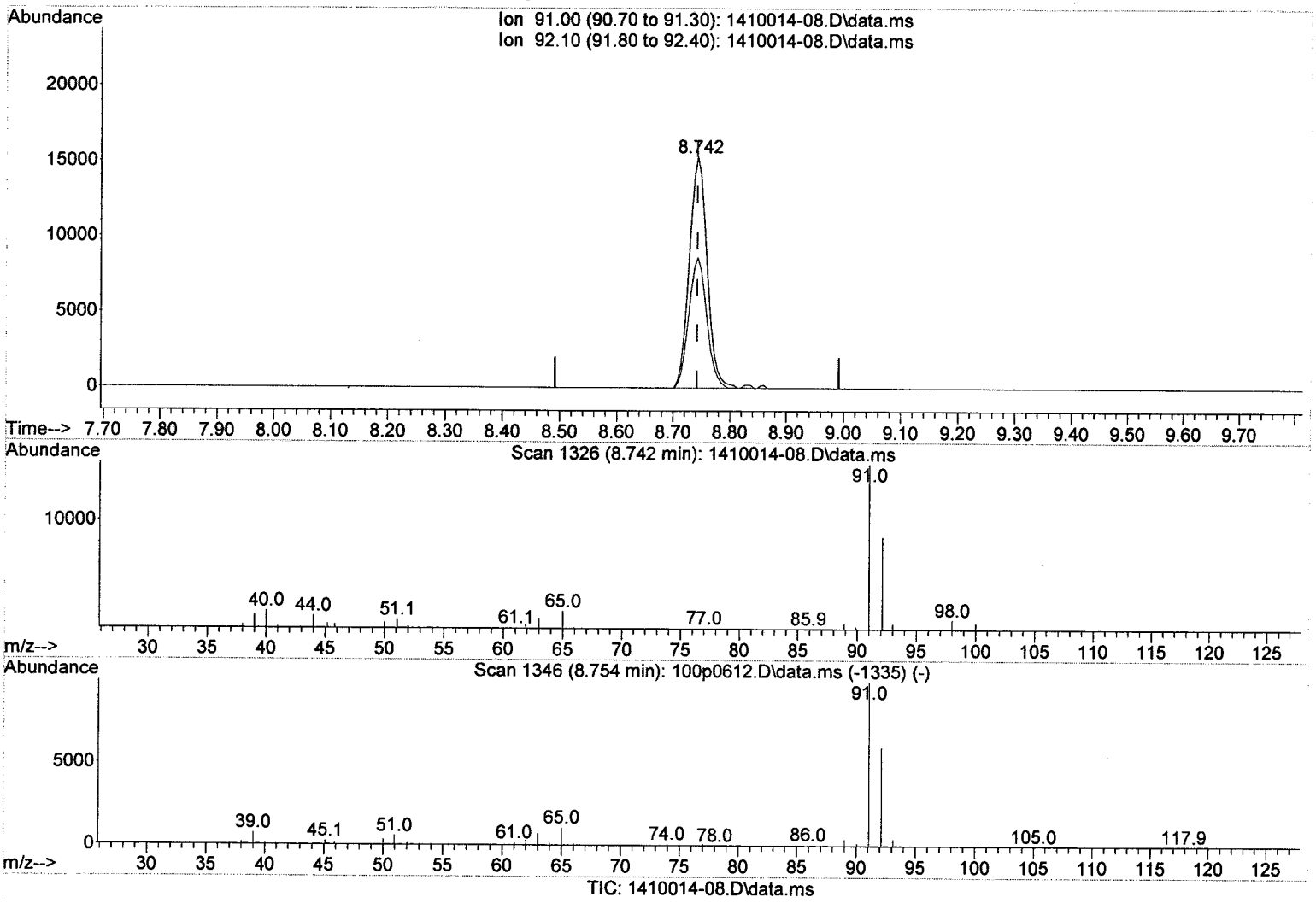
5.090min (+ 0.006) 0.54 ug/L

response 2527

Ion	Exp%	Act%
97.00	100.00	100.00
98.90	62.60	72.42
61.00	48.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(47) toluene (C)

8.742min (+ 0.000) 2.22 ug/L

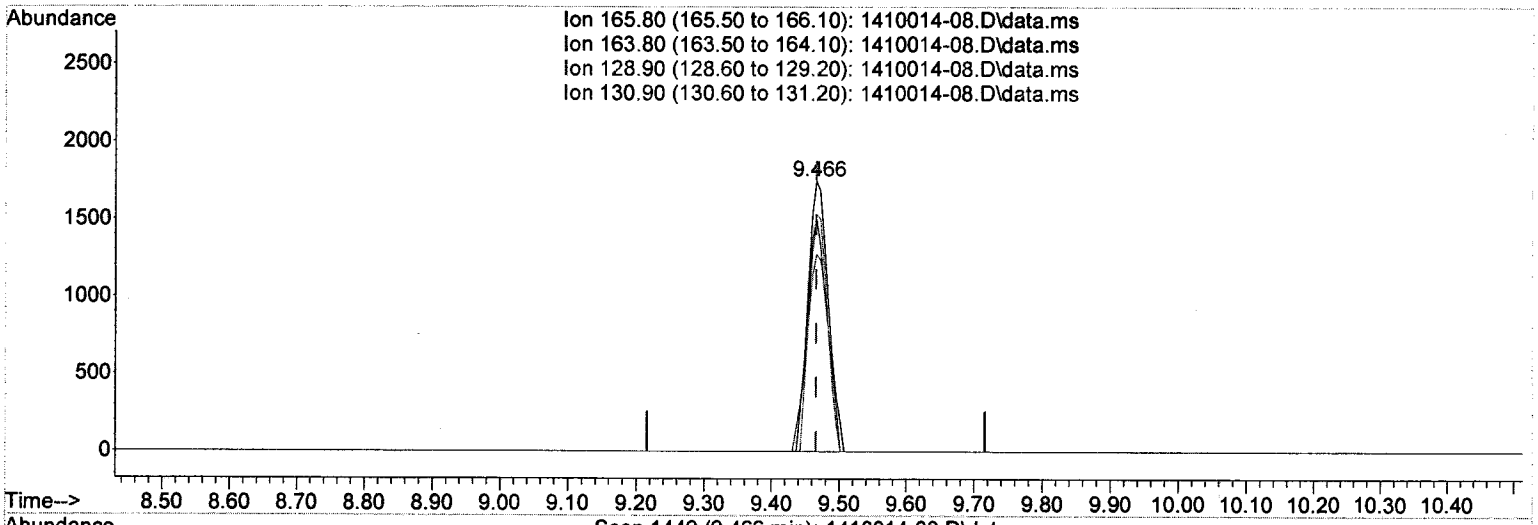
response 33197

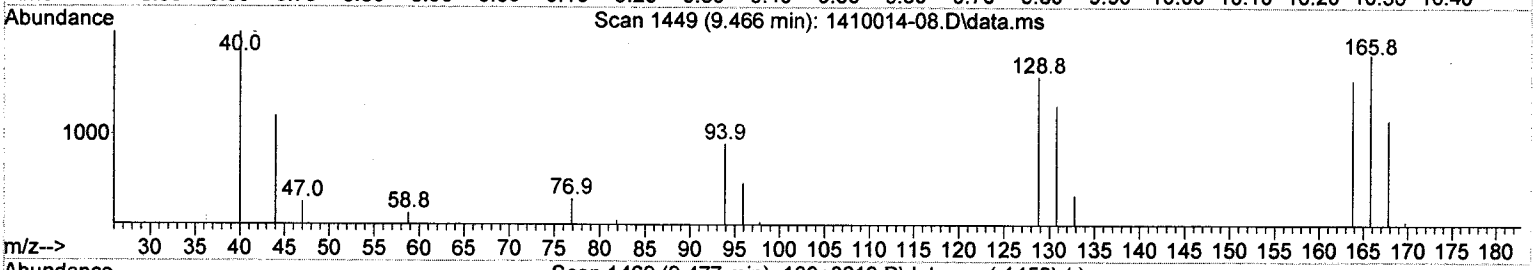
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	56.96
0.00	0.00	0.00
0.00	0.00	0.00

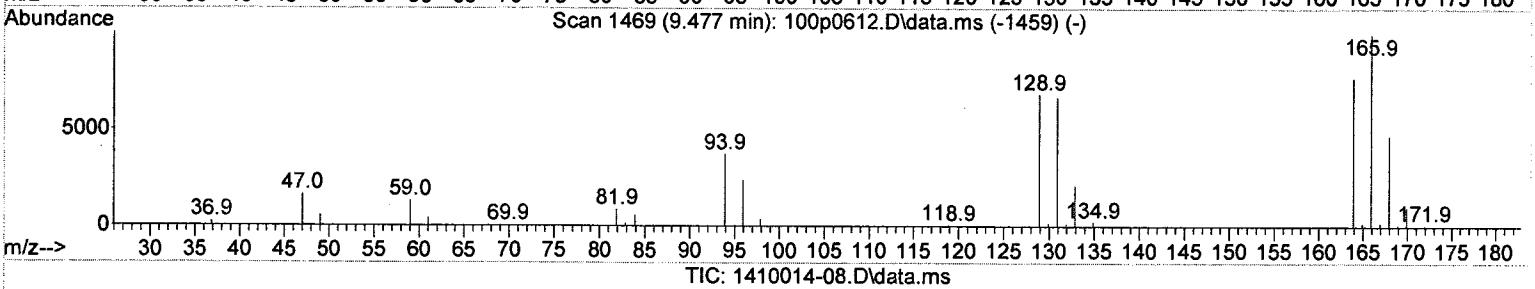
001184

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410014-08.D\data.ms

(51) tetrachloroethene

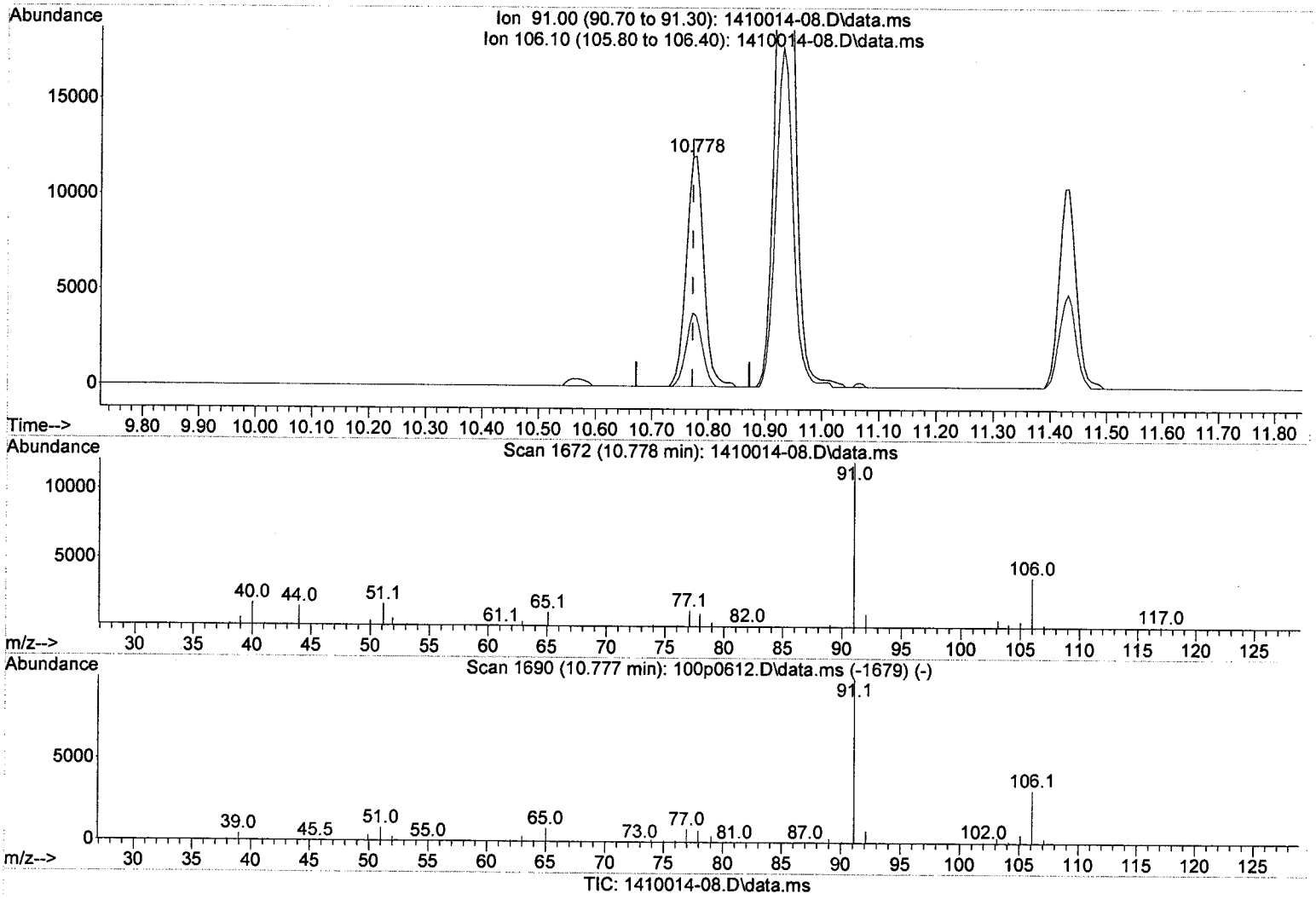
9.466min (-0.000) 0.86 ug/L

response 3636

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	85.34
128.90	74.10	78.58
130.90	70.00	75.96

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(59) ethylbenzene (C)

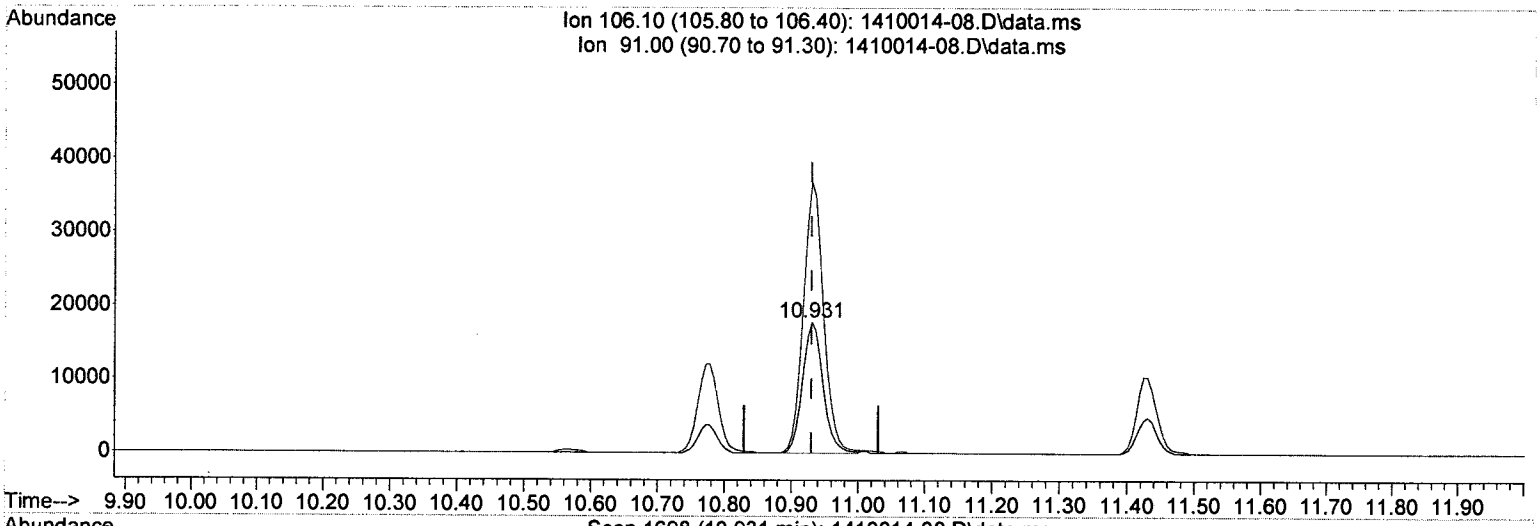
10.778min (+ 0.006) 1.51 ug/L

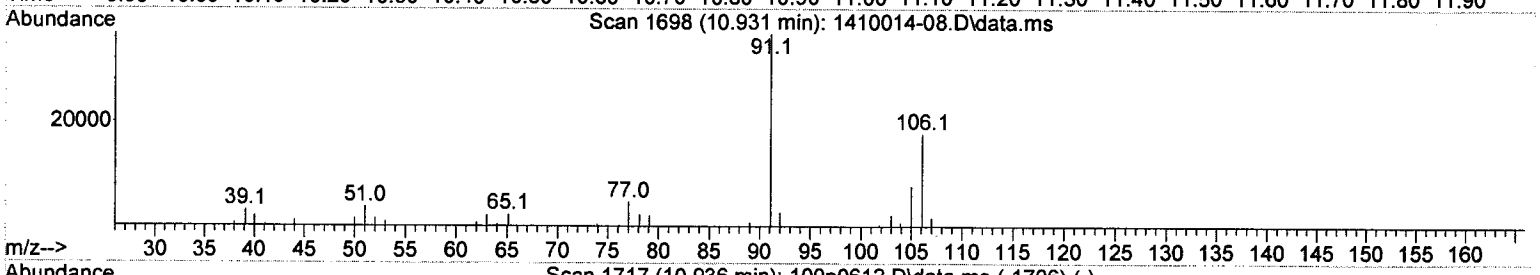
response 26109

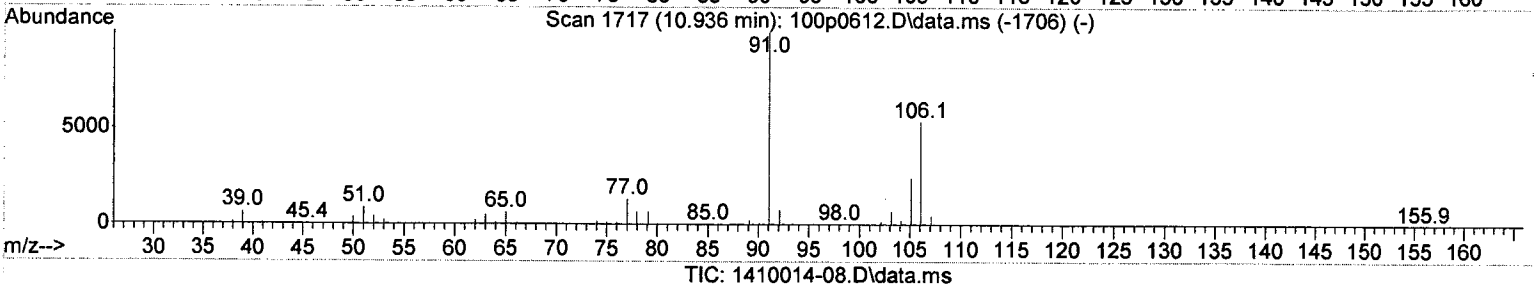
Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	29.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410014-08.D\data.ms

(60) m+p-xylene

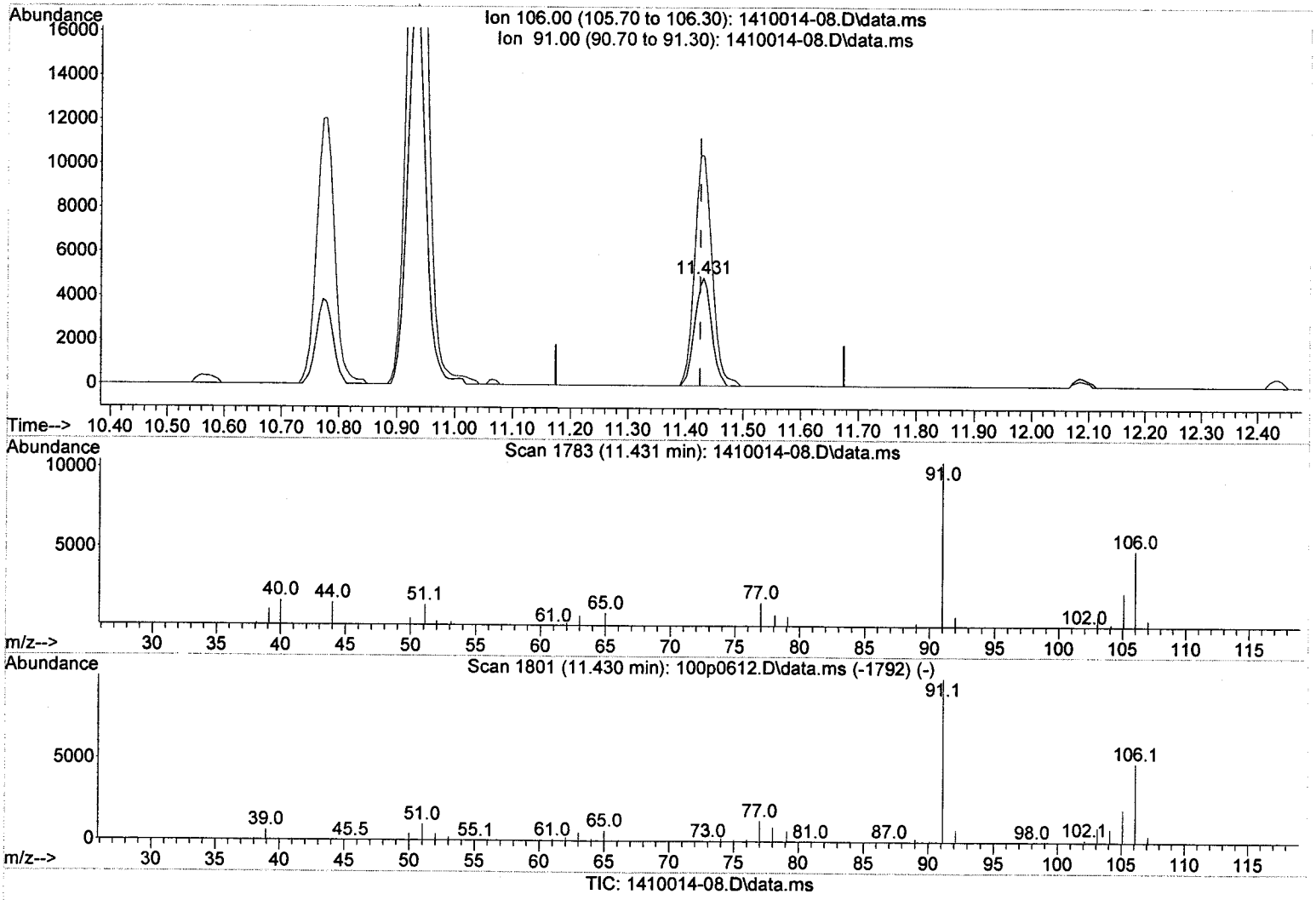
10.931min (+ 0.001) 5.92 ug/L

response 37746

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	204.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(61) o-xylene

11.431min (+ 0.006) 1.64 ug/L

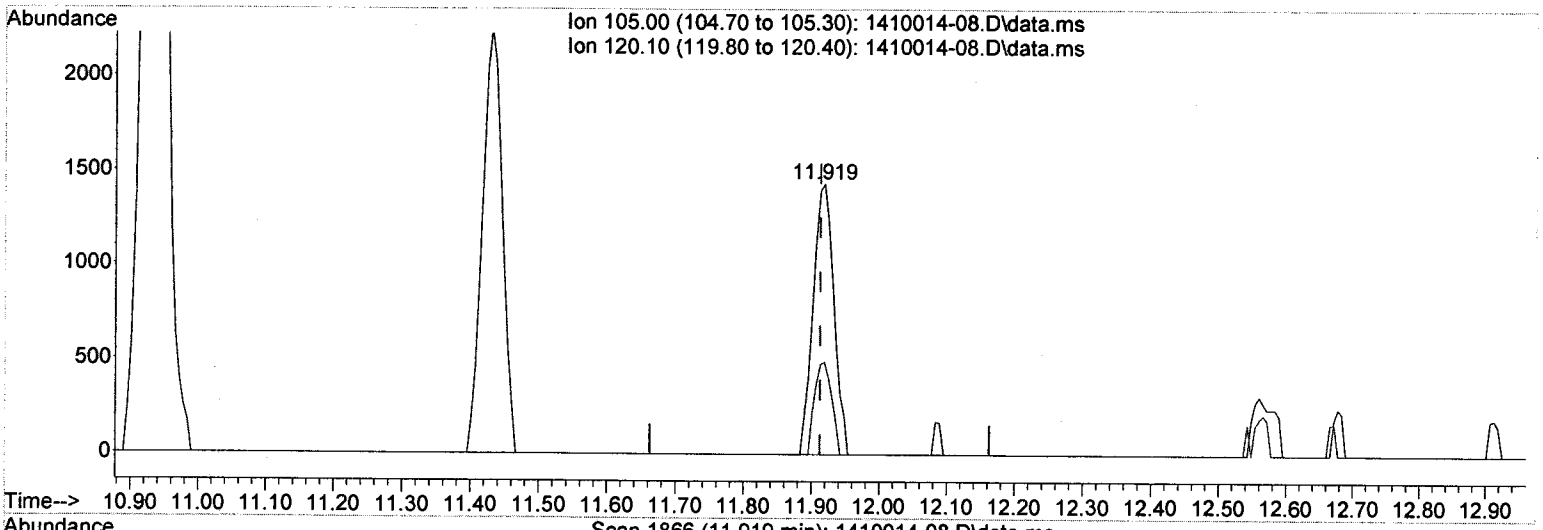
response 9887

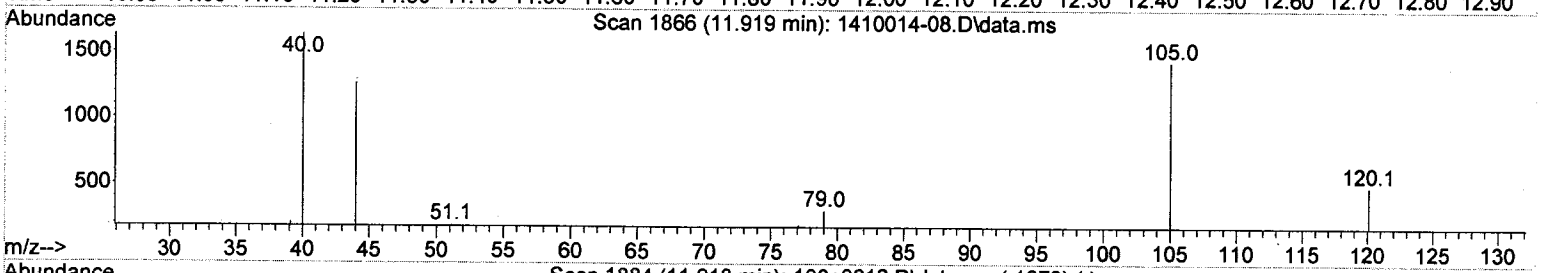
Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	222.13
0.00	0.00	0.00
0.00	0.00	0.00

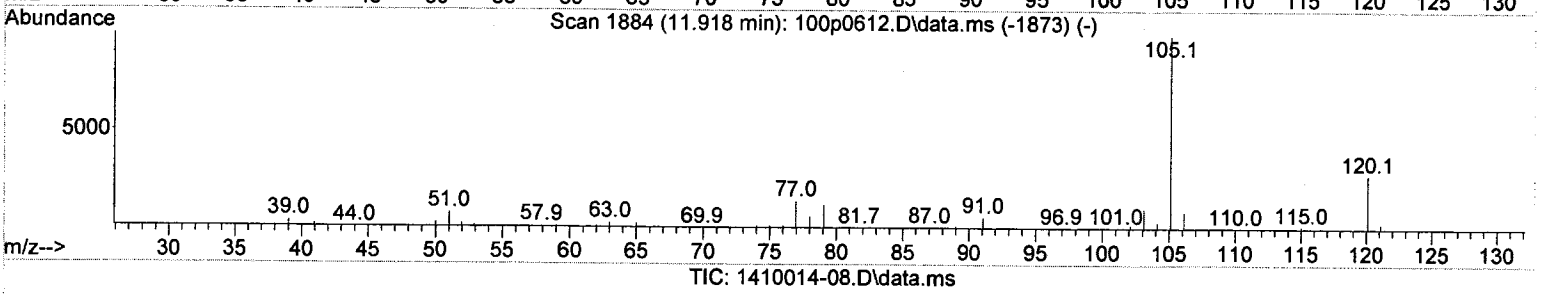
001188

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410014-08.D\data.ms

(66) isopropylbenzene

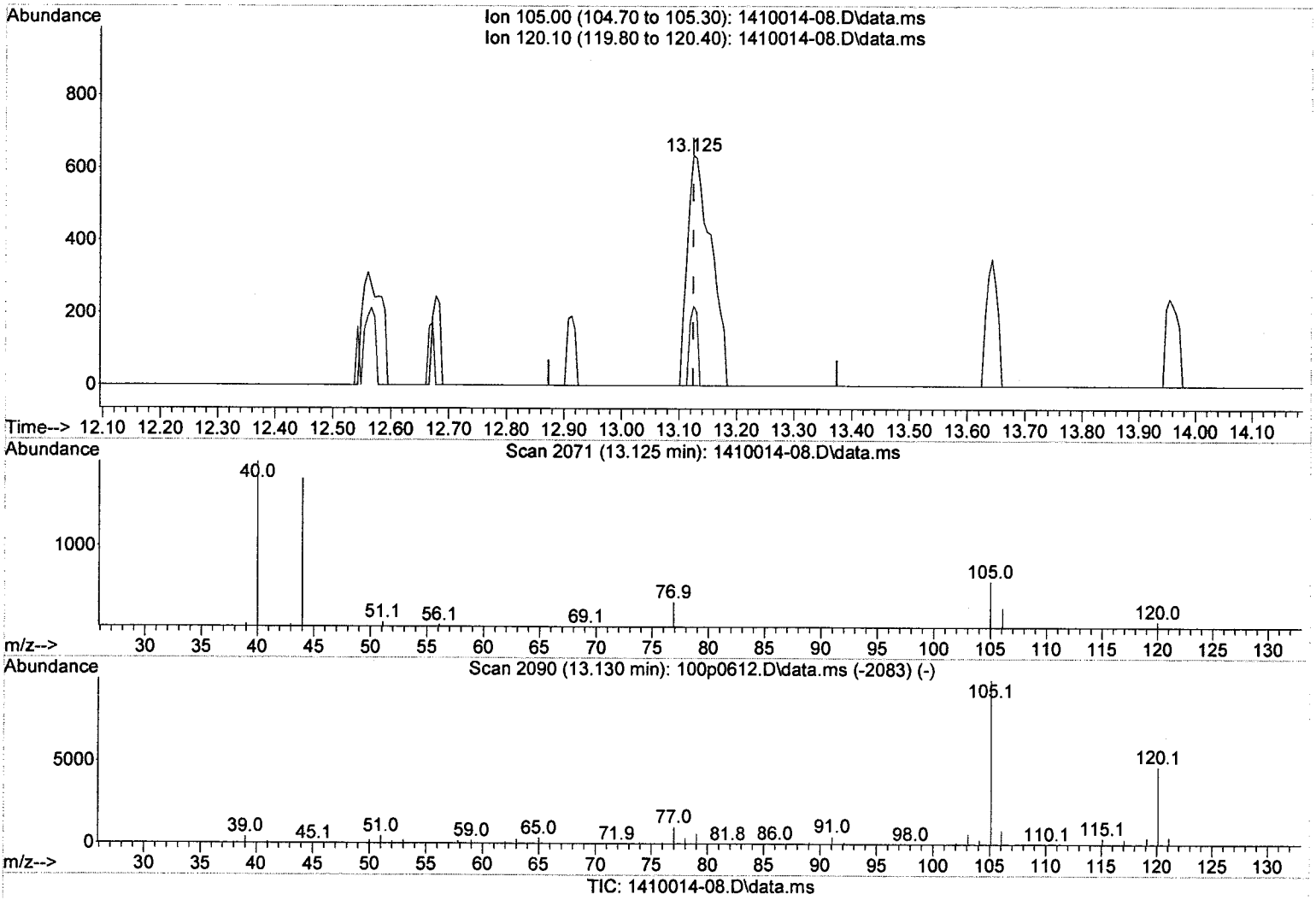
11.919min (+ 0.006) 0.19 ug/L

response 3020

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	25.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1410014-08.D
Acq On : 09 Oct 2014 16:08
Operator : DLV
Sample : 1410014-08
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 09 17:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(76) 1,2,4-trimethylbenzene

13.125min (+ 0.001) 0.14 ug/L

response 1821

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	45.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW08-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410014-09 File ID: 1410014-09.D

Sampled: 09/29/14 10:35 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 03:42

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	2.0	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.33	0.20	0.20	1.0	J
541-73-1	1,3-Dichlorobenzene	1	1.1	0.10	0.20	1.0	
106-46-7	1,4-Dichlorobenzene	1	1.0	0.20	0.20	1.0	
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW08-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410014-09 File ID: 1410014-09.D

Sampled: 09/29/14 10:35 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 03:42

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.2	103	80 - 119	
1,2-Dichloroethane-d4	40.0	41.0	103	81 - 118	
Toluene-d8	40.0	39.3	98	89 - 112	
4-Bromofluorobenzene	40.0	37.5	94	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW08-01

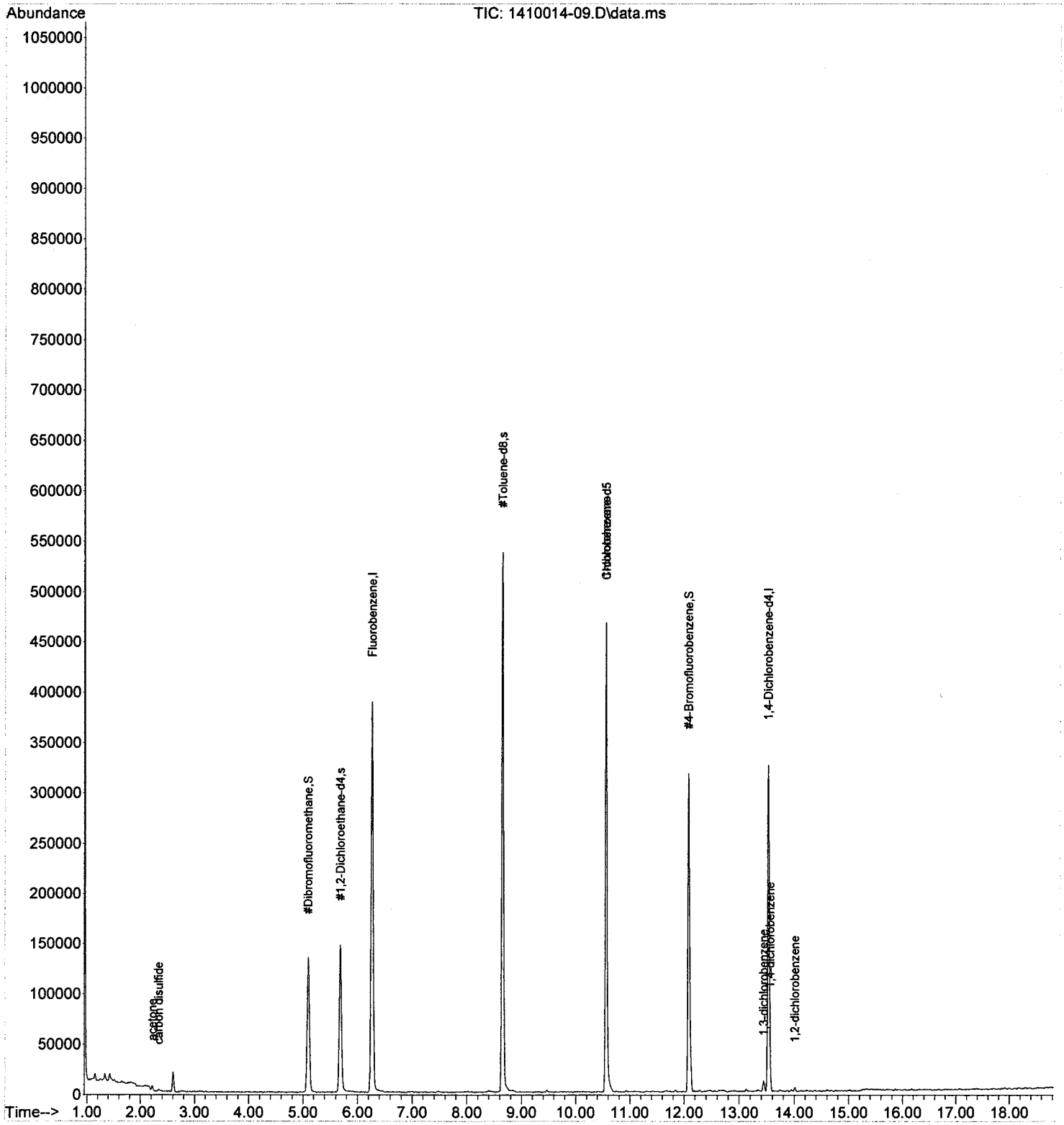
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1410014-09
File ID: 1410014-09.D
Sampled: 09/29/14 10:35
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 03:42
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	487452	6.266	523953	6.266	
Chlorobenzene-d5	334506	10.566	369199	10.56	
1,4-Dichlorobenzene-d4	113439	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-09.D
Acq On : 03 Oct 2014 03:42
Operator : DLV
Sample : 1410014-09
Misc : AECOM
ALS Vial : 46 Sample Multiplier: 1
Quant Time: Oct 04 11:43:18 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-09.D
Acq On : 03 Oct 2014 03:42
Operator : DLV
Sample : 1410014-09
Misc : AECOM
ALS Vial : 46 Sample Multiplier: 1
Quant Time: Oct 04 11:43:18 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.266	96	487452	40.00 ug/L	0.00
50) Chlorobenzene-d5	10.566	117	334506	40.00 ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	113439	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	5.095	111	133094	41.25 ug/L	0.00
Spiked Amount 40.000			Recovery = 103.13%		
37) #1,2-Dichloroethane-d4	5.684	67	82167	41.02 ug/L	0.00
Spiked Amount 40.000			Recovery = 102.55%		
46) #Toluene-d8	8.654	98	466824	39.30 ug/L	0.00
Spiked Amount 40.000			Recovery = 98.25%		
64) #4-Bromofluorobenzene	12.083	95	156192	37.47 ug/L	0.00
Spiked Amount 40.000			Recovery = 93.67%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.	
3) chloromethane	0.000		0	N.D.	
4) vinyl chloride	0.000		0	N.D.	
5) bromomethane	0.000		0	N.D.	
6) chloroethane	0.000		0	N.D.	
7) dichlorofluoromethane	0.000		0	N.D.	
8) trichlorofluoromethane	0.000		0	N.D.	
9) ethyl ether	0.000		0	N.D.	
10) acrolein	0.000		0	N.D.	
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.	
12) 1,1-dichloroethene	0.000		0	N.D.	
13) acetone	2.219	43	5049	1.96 ug/L	96
14) iodomethane	0.000		0	N.D.	
15) carbon disulfide	2.337	76	2320	-0.28 ug/L #	74
16) methyl acetate	0.000		0	N.D.	
17) methylene chloride	2.601	49	11075	Below Cal	98
18) acrylonitrile	0.000		0	N.D.	
19) trans-1,2-dichloroethene	0.000		0	N.D.	
20) methyl (tert) butyl ether	0.000		0	N.D.	
21) 1,1-dichloroethane	0.000		0	N.D.	
22) vinyl acetate	0.000		0	N.D.	
23) 2,2-dichloropropane	0.000		0	N.D.	
24) cis-1,2-dichloroethene	0.000		0	N.D.	
25) 2-butanone (MEK)	0.000		0	N.D.	
26) bromochloromethane	0.000		0	N.D.	
27) tetrahydrofuran	0.000		0	N.D.	
28) chloroform	0.000		0	N.D.	
30) 1,1,1-trichloroethane	0.000		0	N.D.	
31) cyclohexane	0.000		0	N.D.	
32) carbon tetrachloride	0.000		0	N.D.	
33) 1,1-dichloropropene	0.000		0	N.D.	
34) benzene	0.000		0	N.D.	
35) 1,2-dichloroethane	0.000		0	N.D.	
36) heptane	6.266	57	18447	No Calib	
38) trichloroethene	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

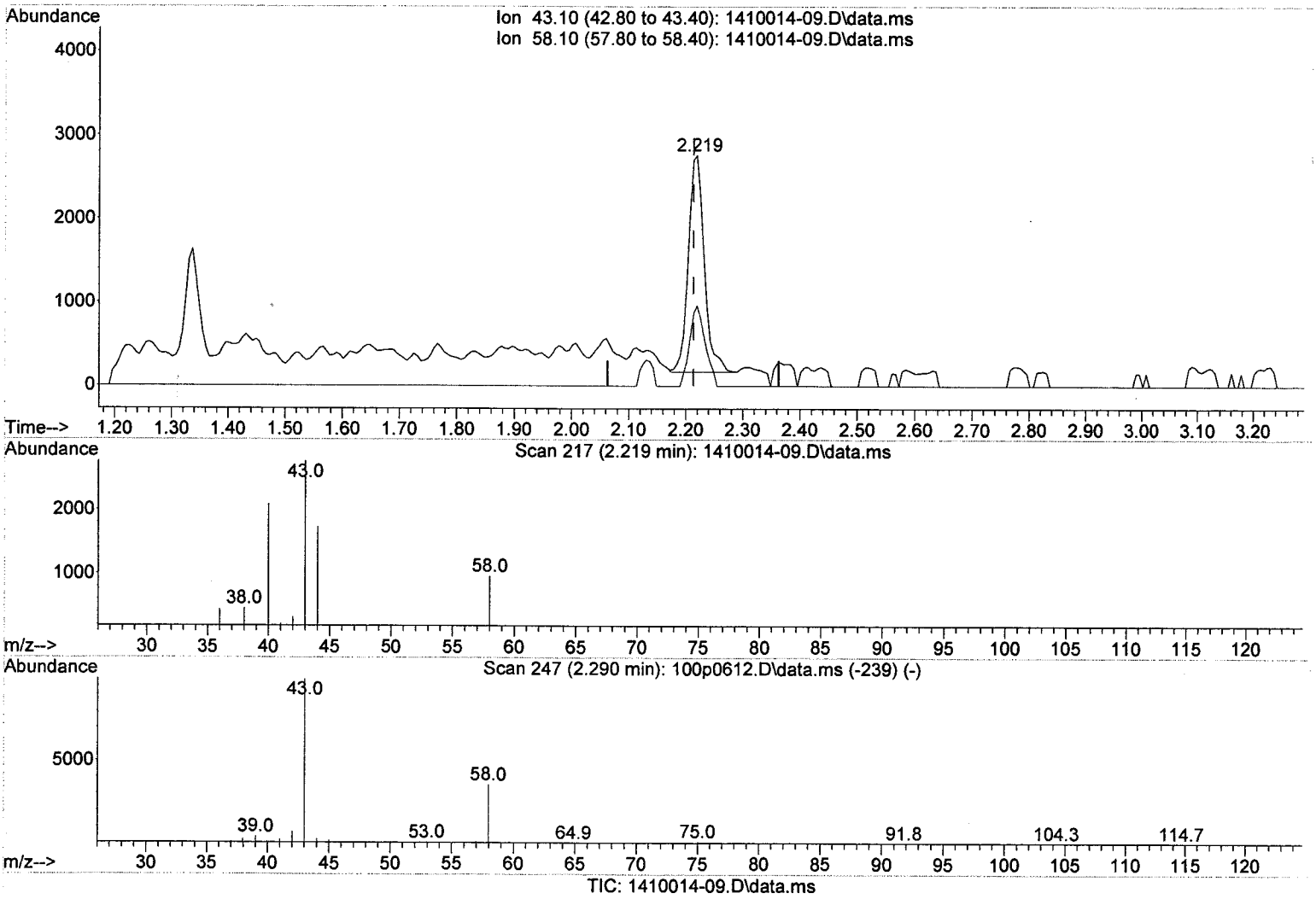
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-09.D
Acq On : 03 Oct 2014 03:42
Operator : DLV
Sample : 1410014-09
Misc : AECOM
ALS Vial : 46 Sample Multiplier: 1
Quant Time: Oct 04 11:43:18 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	0.000		0	N.D.		
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.560	55	2962	0.88	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	0.000		0	N.D.		
60) m+p-xylene	0.000		0	N.D.		
61) o-xylene	0.000		0	N.D.		
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	0.000		0	N.D.		
78) 1,3-dichlorobenzene	13.442	146	5594	1.07	ug/L	95
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	13.560	146	5435	1.03	ug/L #	72
81) 1,2-dichlorobenzene	14.012	146	1648	0.33	ug/L #	25
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-09.D
Acq On : 03 Oct 2014 03:42
Operator : DLV
Sample : 1410014-09
Misc : AECOM
ALS Vial : 46 Sample Multiplier: 1
Quant Time: Oct 03 06:48:28 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(13) acetone

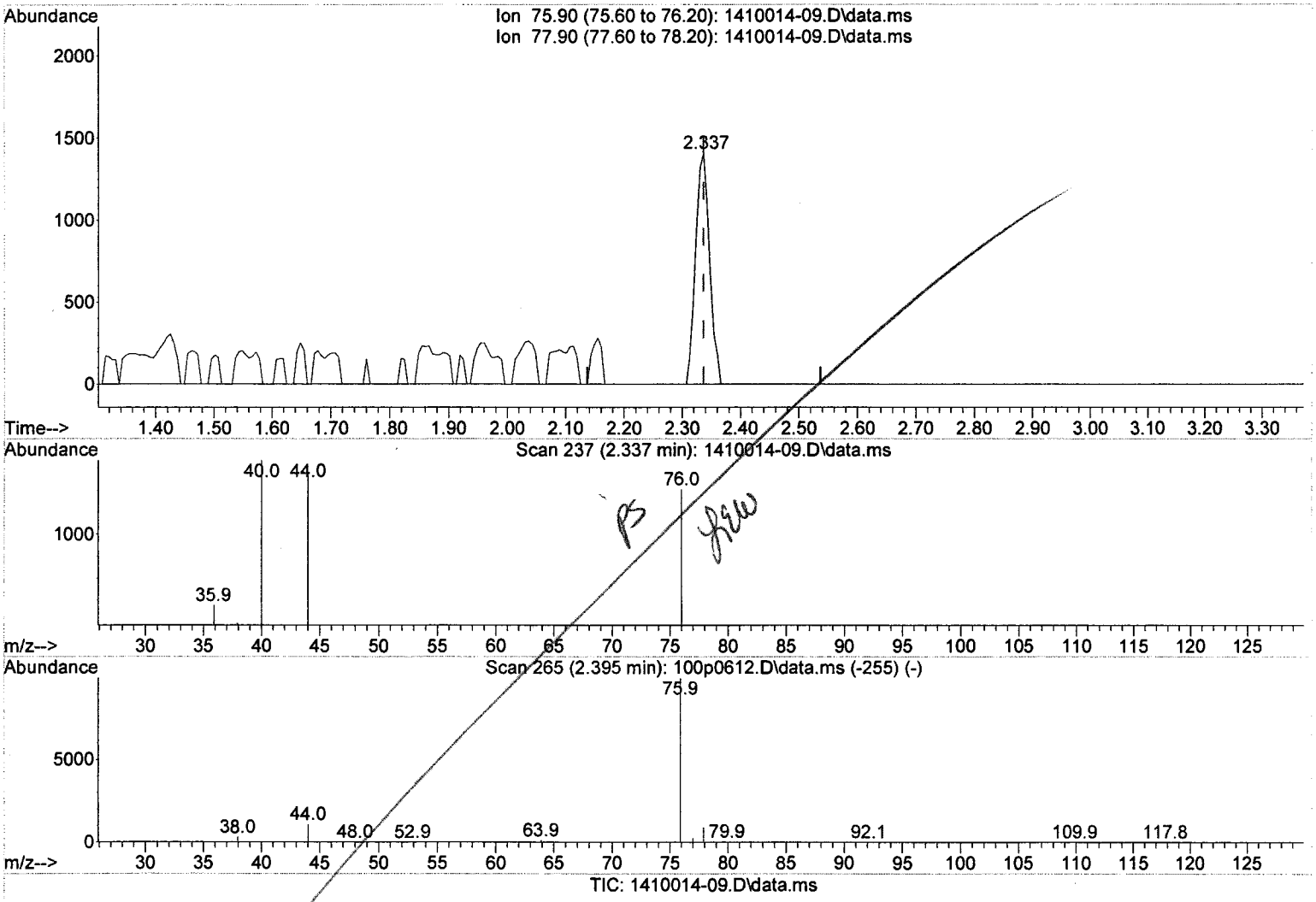
2.219min (+ 0.006) 1.96 ug/L

response 5049

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	36.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-09.D
Acq On : 03 Oct 2014 03:42
Operator : DLV
Sample : 1410014-09
Misc : AECOM
ALS Vial : 46 Sample Multiplier: 1
Quant Time: Oct 03 06:48:28 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(15) carbon disulfide

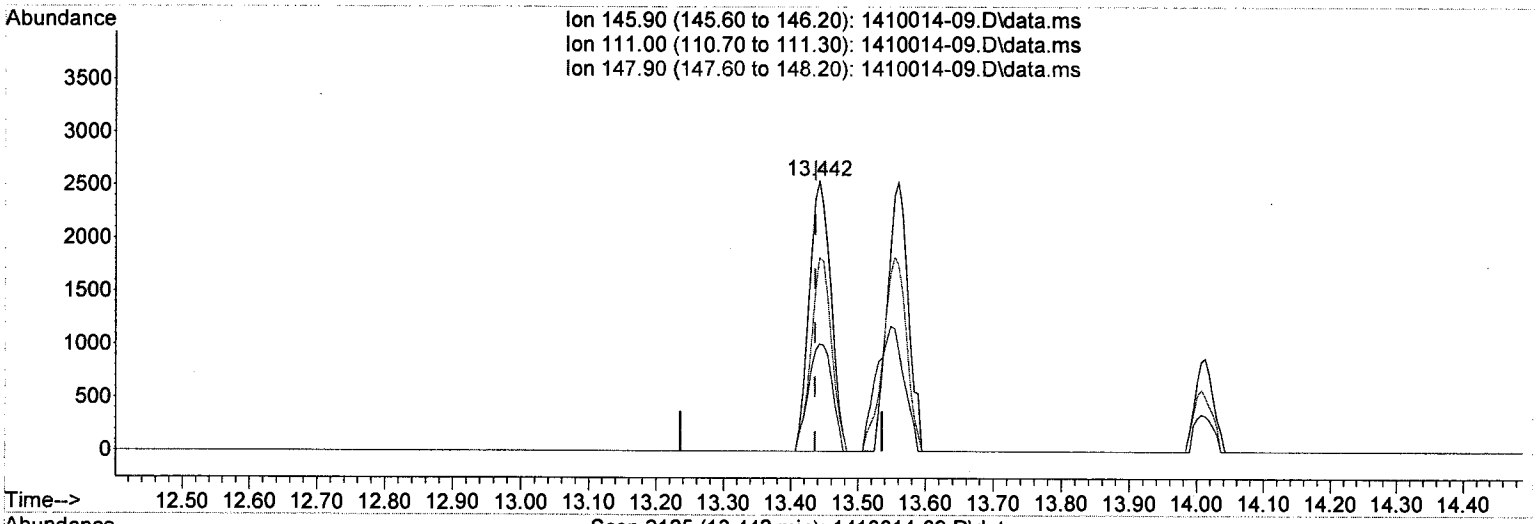
2.337min (-0.000) 0.28 ug/L

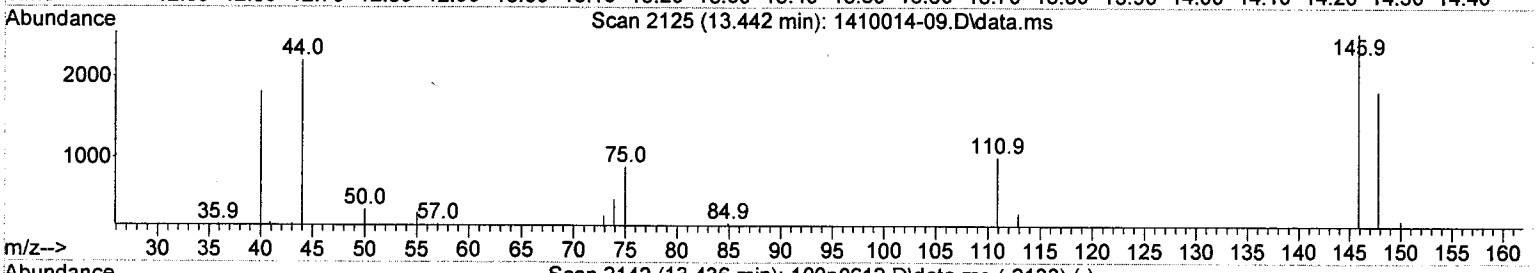
response 2320

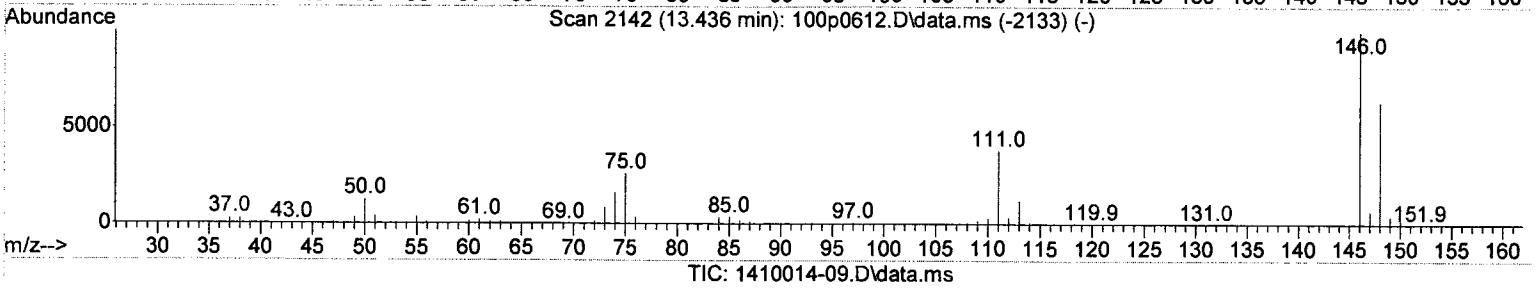
Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-09.D
Acq On : 03 Oct 2014 03:42
Operator : DLV
Sample : 1410014-09
Misc : AECOM
ALS Vial : 46 Sample Multiplier: 1
Quant Time: Oct 03 06:48:28 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1410014-09.D\data.ms

(78) 1,3-dichlorobenzene

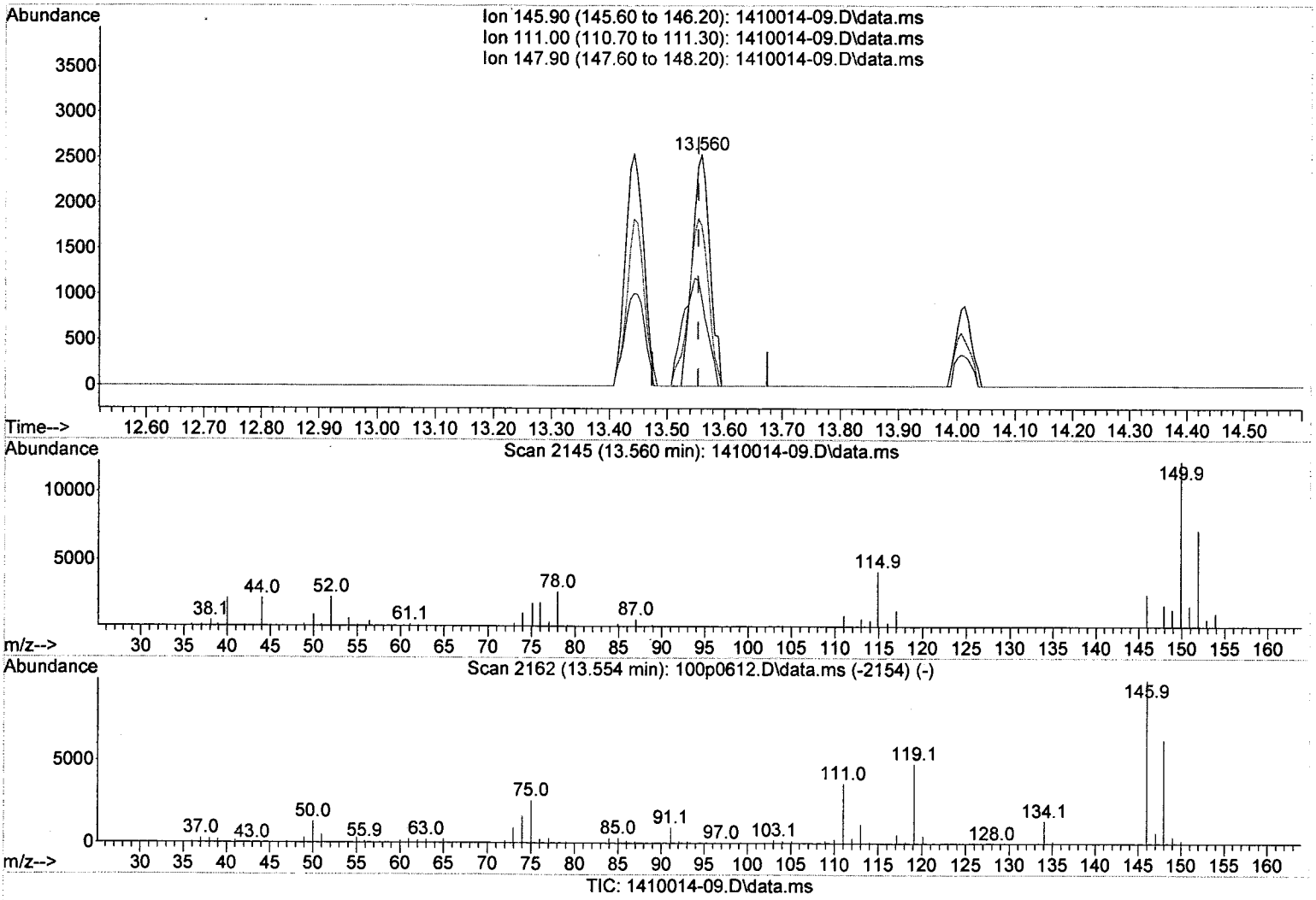
13.442min (+ 0.006) 1.07 ug/L

response 5594

Ion	Exp%	Act%
145.90	100.00	100.00
111.00	39.80	43.83
147.90	65.10	67.97
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-09.D
Acq On : 03 Oct 2014 03:42
Operator : DLV
Sample : 1410014-09
Misc : AECOM
ALS Vial : 46 Sample Multiplier: 1
Quant Time: Oct 03 06:48:28 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(80) 1,4-dichlorobenzene

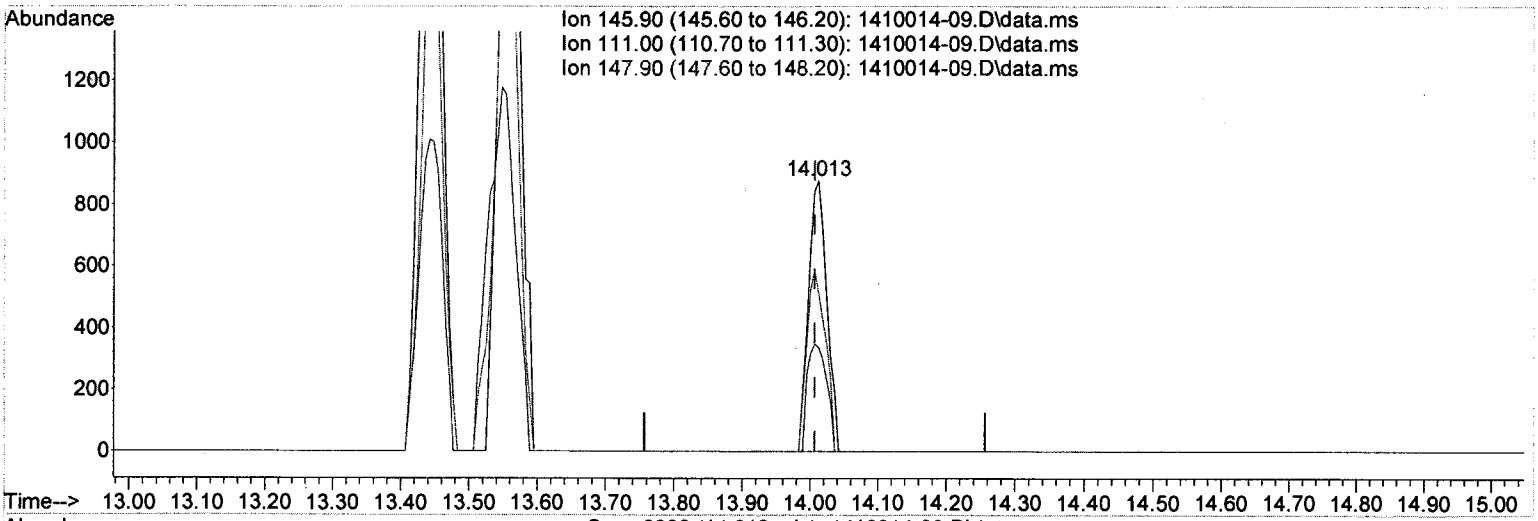
13.560min (+ 0.006) 1.03 ug/L

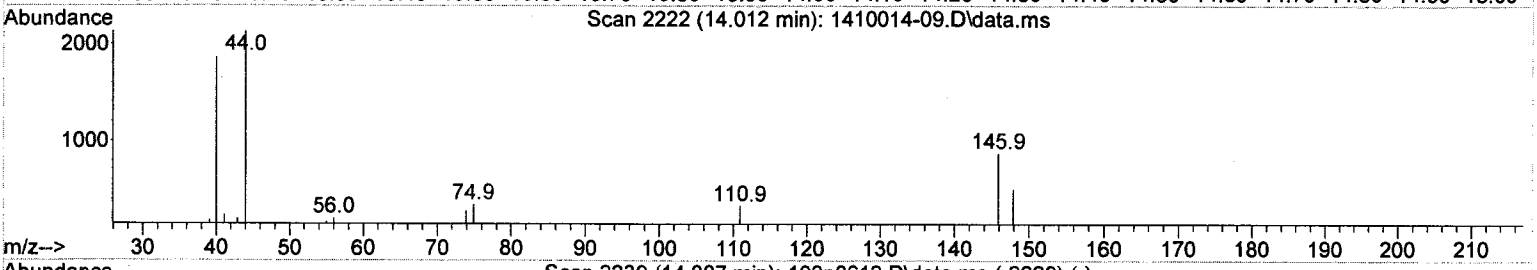
response 5435

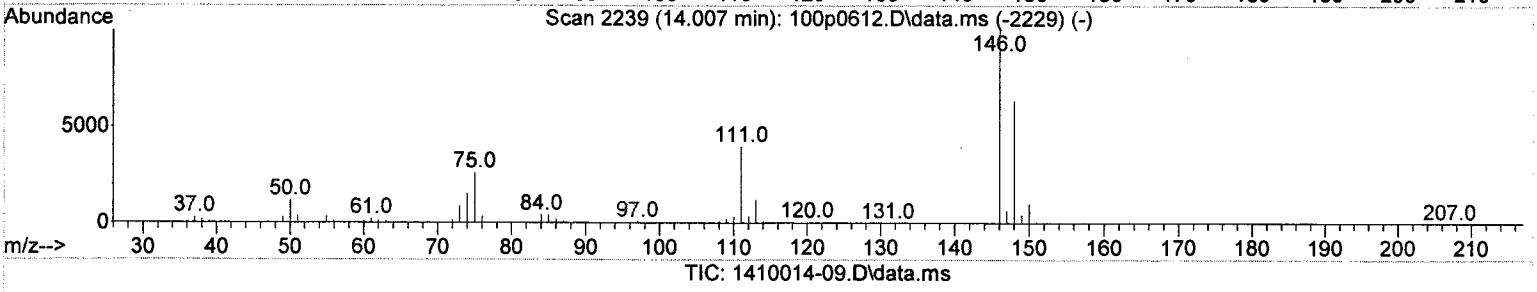
Ion	Exp%	Act%
145.90	100.00	100.00
111.00	38.80	60.99#
147.90	63.10	80.63
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-09.D
Acq On : 03 Oct 2014 03:42
Operator : DLV
Sample : 1410014-09
Misc : AECOM
ALS Vial : 46 Sample Multiplier: 1
Quant Time: Oct 03 06:48:28 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1410014-09.D\data.ms

(81) 1,2-dichlorobenzene

14.012min (+ 0.005) 0.33 ug/L

response 1648

Ion	Exp%	Act%
145.90	100.00	100.00
111.00	41.40	0.00#
147.90	63.60	0.00#
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW09-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410014-10 File ID: 1410014-10.D

Sampled: 09/29/14 11:50 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 04:08

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	2.9	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW09-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410014-10 File ID: 1410014-10.D

Sampled: 09/29/14 11:50 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 04:08

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.92	0.13	0.50	1.0	J
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.3	101	80 - 119	
1,2-Dichloroethane-d4	40.0	41.4	104	81 - 118	
Toluene-d8	40.0	39.4	99	89 - 112	
4-Bromofluorobenzene	40.0	36.8	92	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW09-01

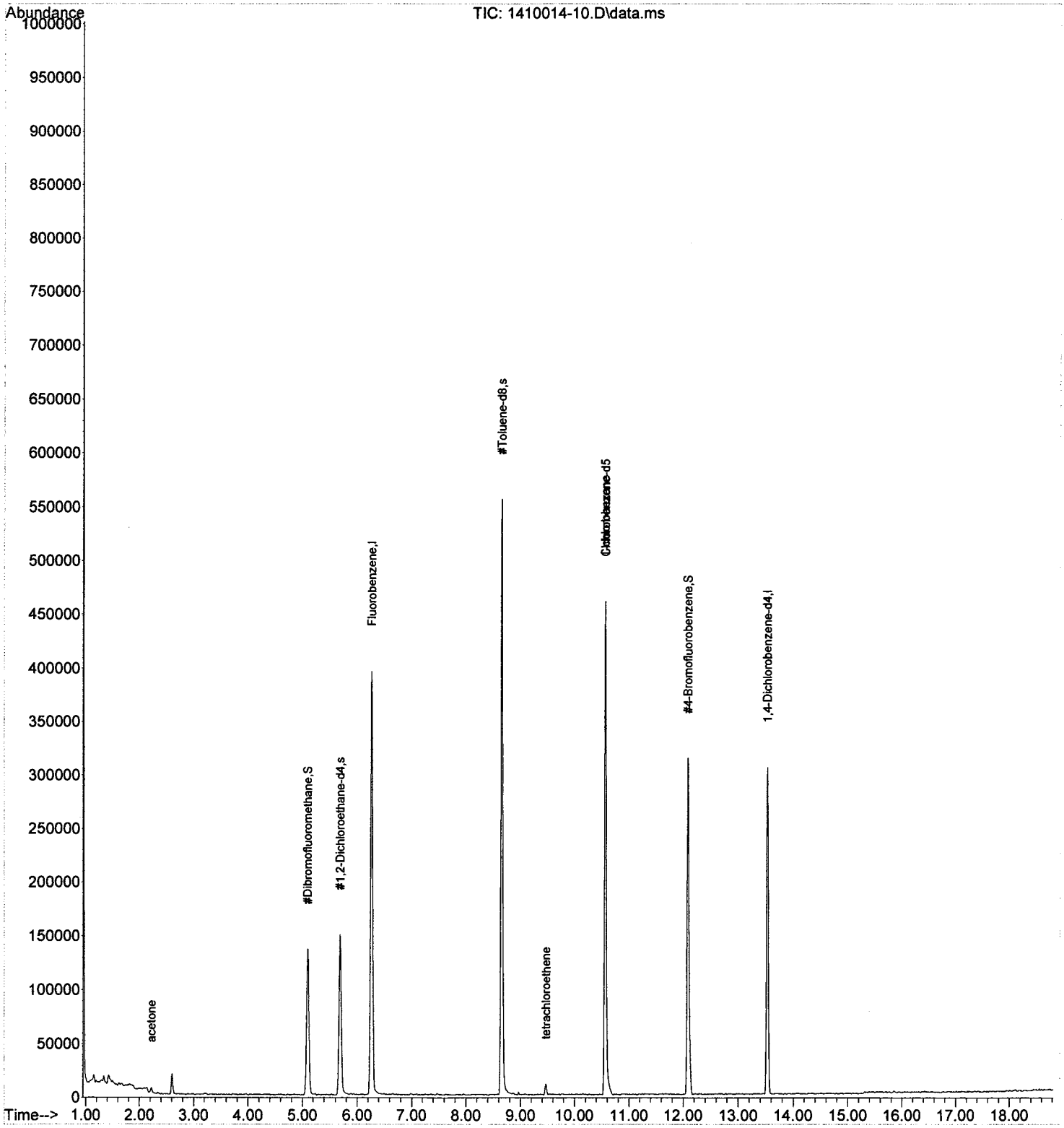
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1410014-10
File ID: 1410014-10.D
Sampled: 09/29/14 11:50
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 04:08
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	499051	6.266	523953	6.266	
Chlorobenzene-d5	335094	10.566	369199	10.56	
1,4-Dichlorobenzene-d4	105573	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-10.D
Acq On : 03 Oct 2014 04:08
Operator : DLV
Sample : 1410014-10
Misc : AECOM
ALS Vial : 47 Sample Multiplier: 1
Quant Time: Oct 04 11:43:21 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-10.D
Acq On : 03 Oct 2014 04:08
Operator : DLV
Sample : 1410014-10
Misc : AECOM
ALS Vial : 47 Sample Multiplier: 1
Quant Time: Oct 04 11:43:21 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	499051	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	335094	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	105573	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.095	111	133015	40.27	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.68%				
37) #1,2-Dichloroethane-d4	5.684	67	84925	41.42	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.55%				
46) #Toluene-d8	8.654	98	479245	39.41	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.52%				
64) #4-Bromofluorobenzene	12.083	95	153891	36.85	ug/L		0.00
Spiked Amount 40.000			Recovery = 92.13%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.219	43	6728	2.94	ug/L	#	87
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.601	49	10854	Below Cal			98
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	0.000		0	N.D.			
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	6.266	57	17583	No Calib		#	
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

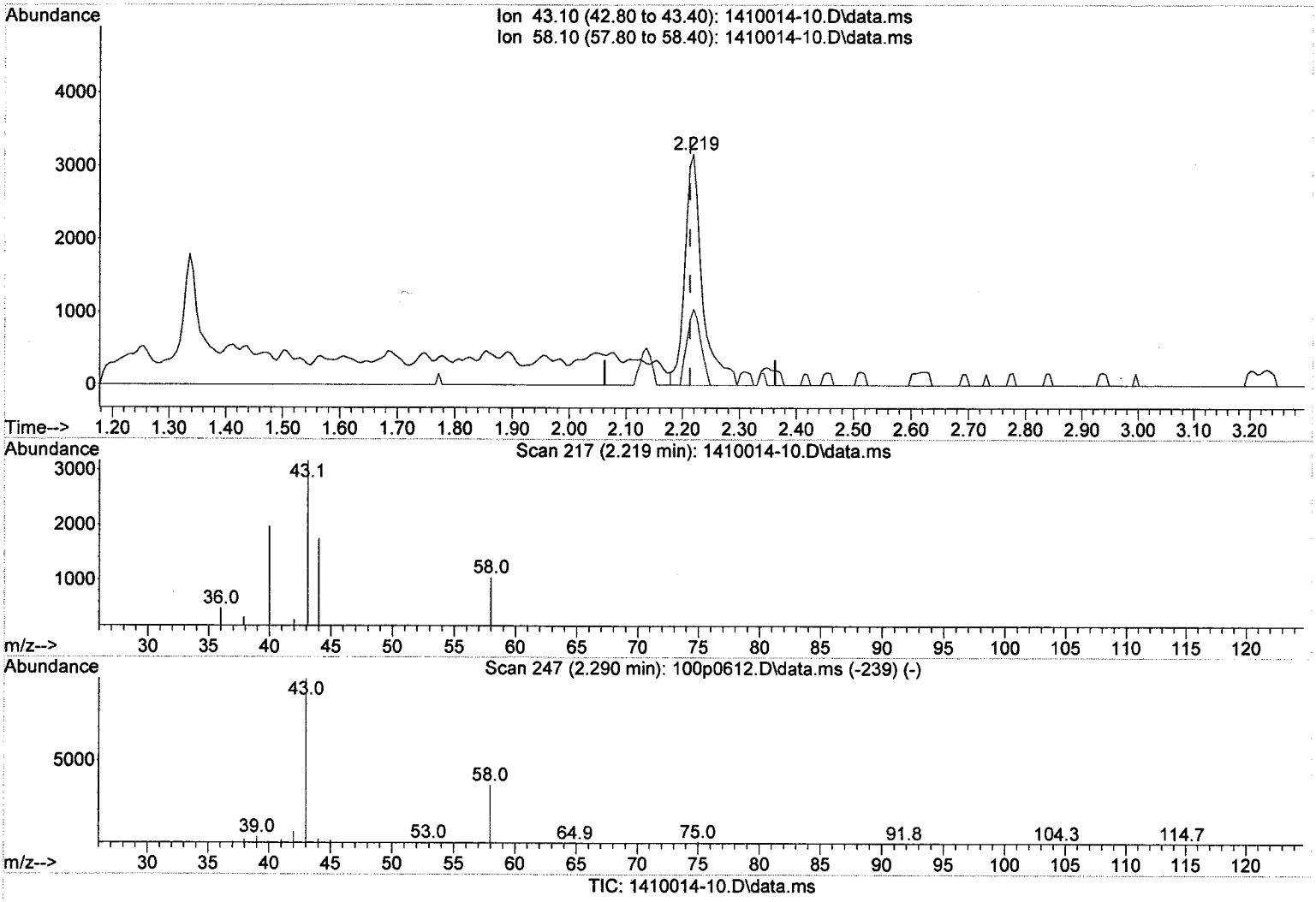
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-10.D
Acq On : 03 Oct 2014 04:08
Operator : DLV
Sample : 1410014-10
Misc : AECOM
ALS Vial : 47 Sample Multiplier: 1
Quant Time: Oct 04 11:43:21 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	0.000		0	N.D.		
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	9.472	166	3616	0.92	ug/L	93
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.560	55	2523	0.75	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	0.000		0	N.D.		
60) m+p-xylene	0.000		0	N.D.		
61) o-xylene	0.000		0	N.D.		
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	0.000		0	N.D.		
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-10.D
Acq On : 03 Oct 2014 04:08
Operator : DLV
Sample : 1410014-10
Misc : AECOM
ALS Vial : 47 Sample Multiplier: 1
Quant Time: Oct 03 06:48:31 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1410014-10.D\data.ms

(13) acetone

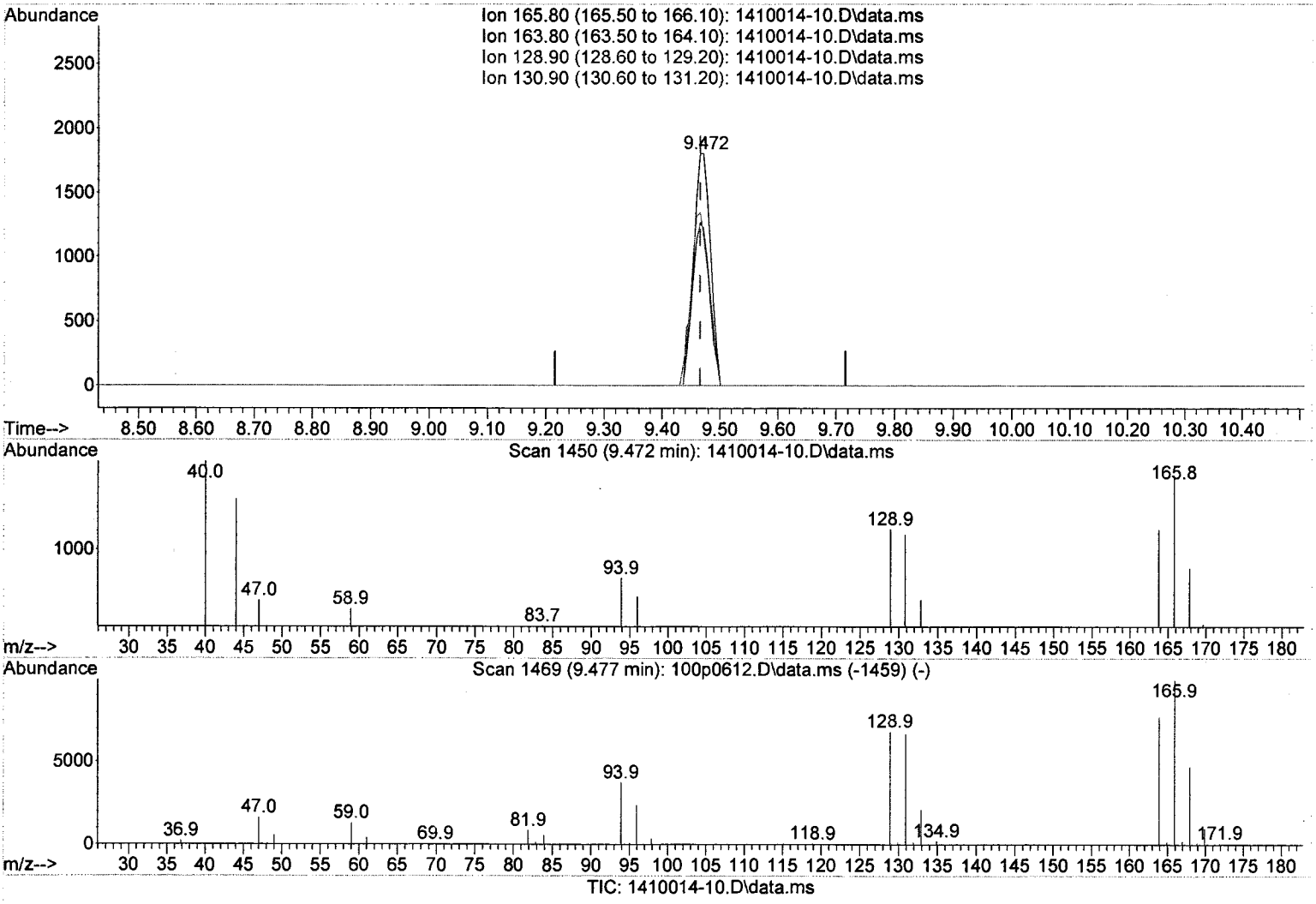
2.219min (+ 0.006) 2.94 ug/L

response 6728

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	26.20#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-10.D
Acq On : 03 Oct 2014 04:08
Operator : DLV
Sample : 1410014-10
Misc : AECOM
ALS Vial : 47 Sample Multiplier: 1
Quant Time: Oct 03 06:48:31 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



(51) tetrachloroethene

9.472min (+ 0.006) 0.92 ug/L

response 3616

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	80.80	73.67
128.90	76.40	73.29
130.90	72.60	80.12

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092914JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410014-11 File ID: 1410014-11.D

Sampled: 09/29/14 10:02 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 04:34

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	3.0	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092914JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410014-11 File ID: 1410014-11.D

Sampled: 09/29/14 10:02 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 04:34

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.1	103	80 - 119	
1,2-Dichloroethane-d4	40.0	41.5	104	81 - 118	
Toluene-d8	40.0	39.0	97	89 - 112	
4-Bromofluorobenzene	40.0	36.4	91	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB092914JC-001

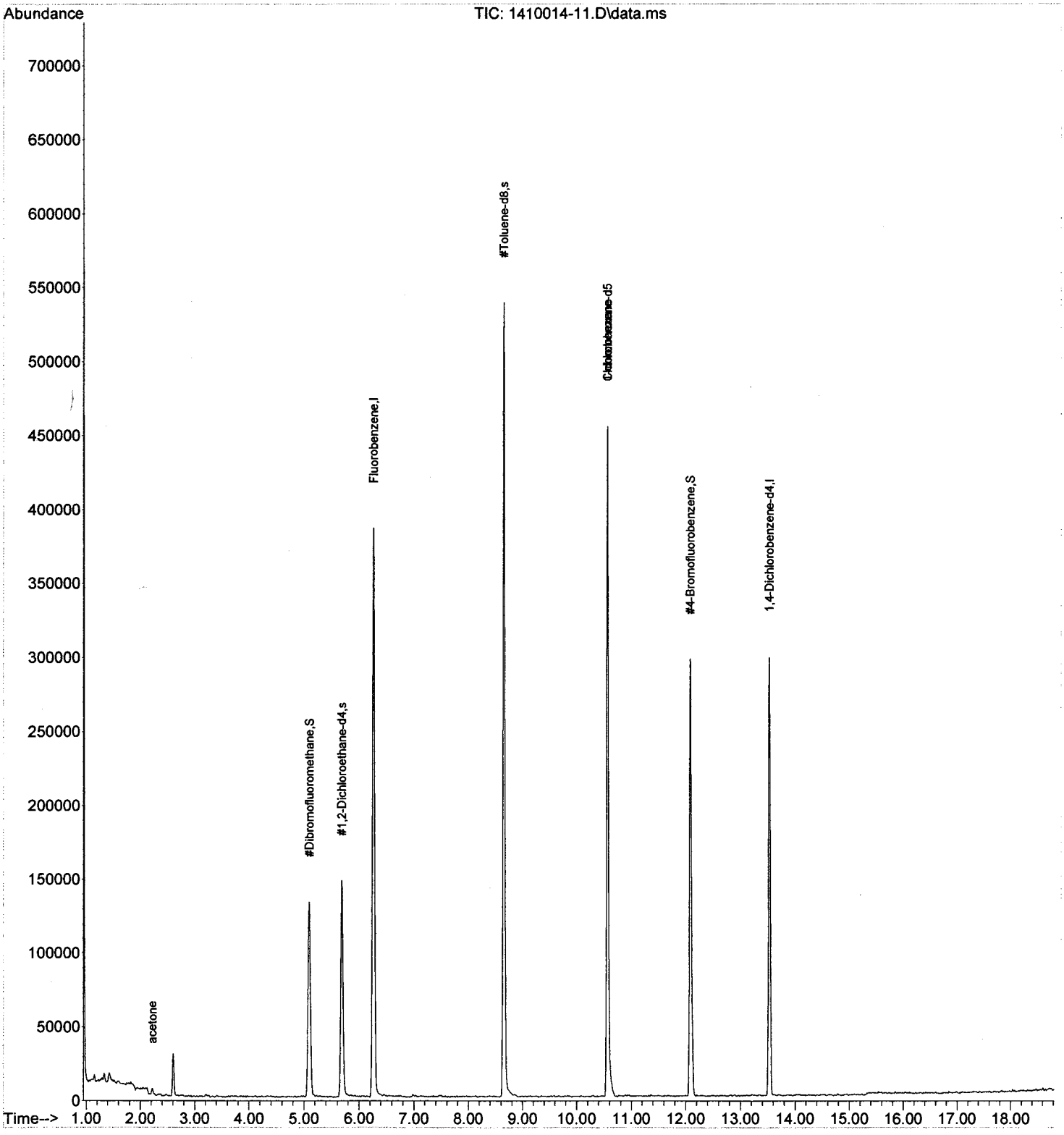
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410014-11
File ID: 1410014-11.D
Sampled: 09/29/14 10:02
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 04:34
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	487852	6.266	523953	6.266	
Chlorobenzene-d5	328659	10.566	369199	10.56	
1,4-Dichlorobenzene-d4	104646	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-11.D
Acq On : 03 Oct 2014 04:34
Operator : DLV
Sample : 1410014-11
Misc : AECOM
ALS Vial : 48 Sample Multiplier: 1
Quant Time: Oct 04 11:43:24 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



001213

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-11.D
Acq On : 03 Oct 2014 04:34
Operator : DLV
Sample : 1410014-11
Misc : AECOM
ALS Vial : 48 Sample Multiplier: 1
Quant Time: Oct 04 11:43:24 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	487852	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	328659	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	104646	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	132564	41.06	ug/L	0.00
Spiked Amount 40.000			Recovery = 102.65%			
37) #1,2-Dichloroethane-d4	5.684	67	83272	41.54	ug/L	0.00
Spiked Amount 40.000			Recovery = 103.85%			
46) #Toluene-d8	8.654	98	463123	38.95	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.38%			
64) #4-Bromofluorobenzene	12.083	95	148960	36.37	ug/L	0.00
Spiked Amount 40.000			Recovery = 90.92%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	6603	2.96	ug/L	94
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.602	49	17073	Below Cal		97
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	16532	No Calib		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

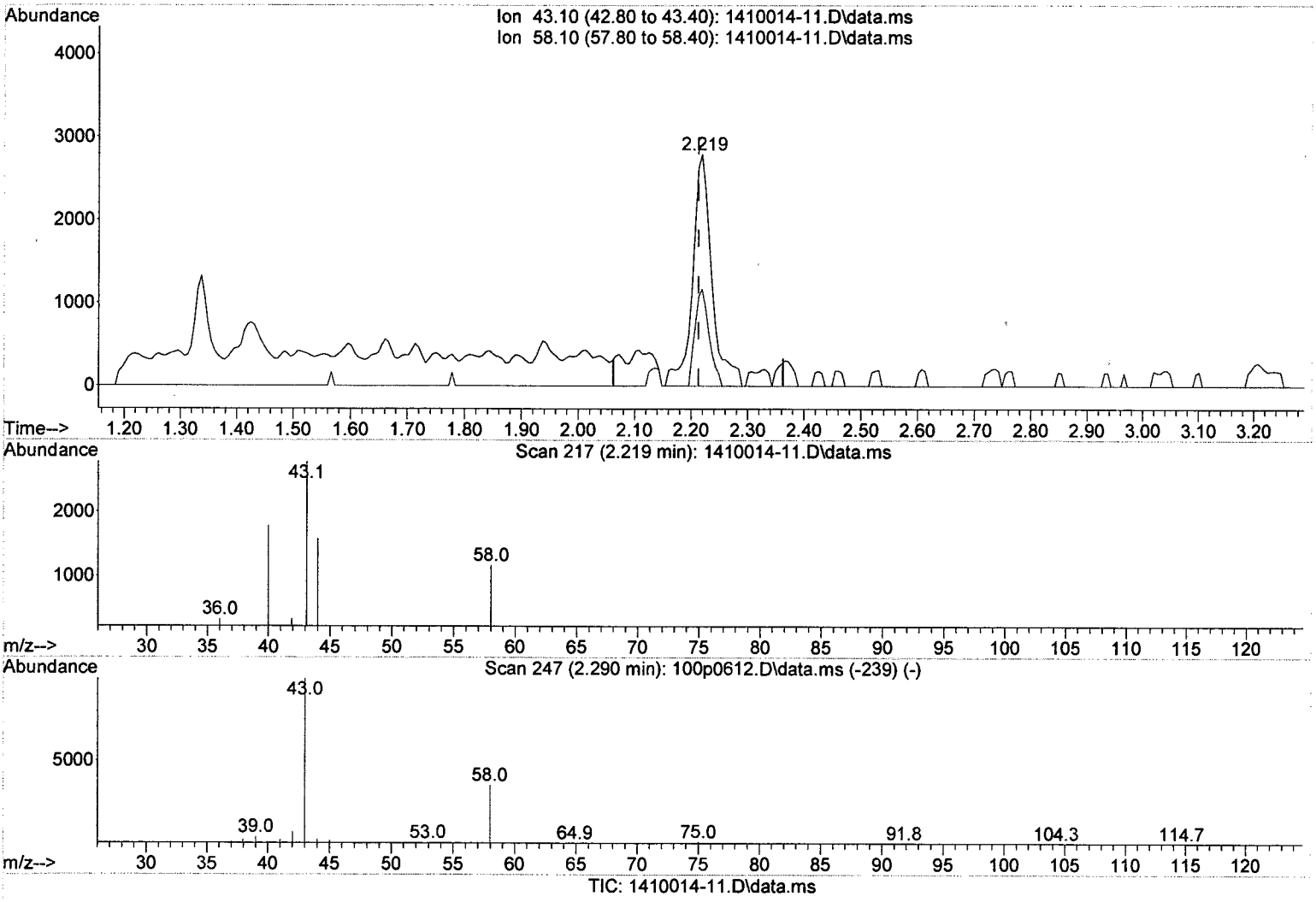
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-11.D
Acq On : 03 Oct 2014 04:34
Operator : DLV
Sample : 1410014-11
Misc : AECOM
ALS Vial : 48 Sample Multiplier: 1
Quant Time: Oct 04 11:43:24 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.566	55	2755	0.83 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410014-11.D
Acq On : 03 Oct 2014 04:34
Operator : DLV
Sample : 1410014-11
Misc : AECOM
ALS Vial : 48 Sample Multiplier: 1
Quant Time: Oct 03 06:48:34 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1410014-11.D\data.ms

(13) acetone

2.219min (+ 0.006) 2.96 ug/L

response 6603

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	30.52
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB12-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-01 File ID: 1410025-01.D

Sampled: 09/30/14 09:14 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 09:53

Solids: 96.14 Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	25	4.4	5.2	5.2	B
71-43-2	Benzene	1	0.52	0.17	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.52	0.24	0.52	1.0	U
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.16	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.27	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.61	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.097	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.24	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.24	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.13	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB12-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-01 File ID: 1410025-01.D

Sampled: 09/30/14 09:14 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 09:53

Solids: 96.14 Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.4	0.19	0.52	1.0	
87-68-3	Hexachlorobutadiene	1	0.52	0.22	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.49	1.0	5.2	U
78-93-3	2-Butanone (MEK)	1	5.2	1.2	5.2	5.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	0.52	0.17	0.52	5.2	U
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	2.0	0.18	0.52	1.0	
108-88-3	Toluene	1	1.9	0.10	0.21	1.0	
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	1.6	0.15	0.52	1.0	
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.52	0.12	0.52	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	5.9	0.15	0.42	2.1	
95-47-6	Xylene, Ortho	1	1.6	0.12	0.21	1.0	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.8	104	78 - 119	
1,2-Dichloroethane-d4	40.0	43.8	109	71 - 136	
Toluene-d8	40.0	39.1	98	85 - 116	
4-Bromofluorobenzene	40.0	39.8	99	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	466352	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB12-15

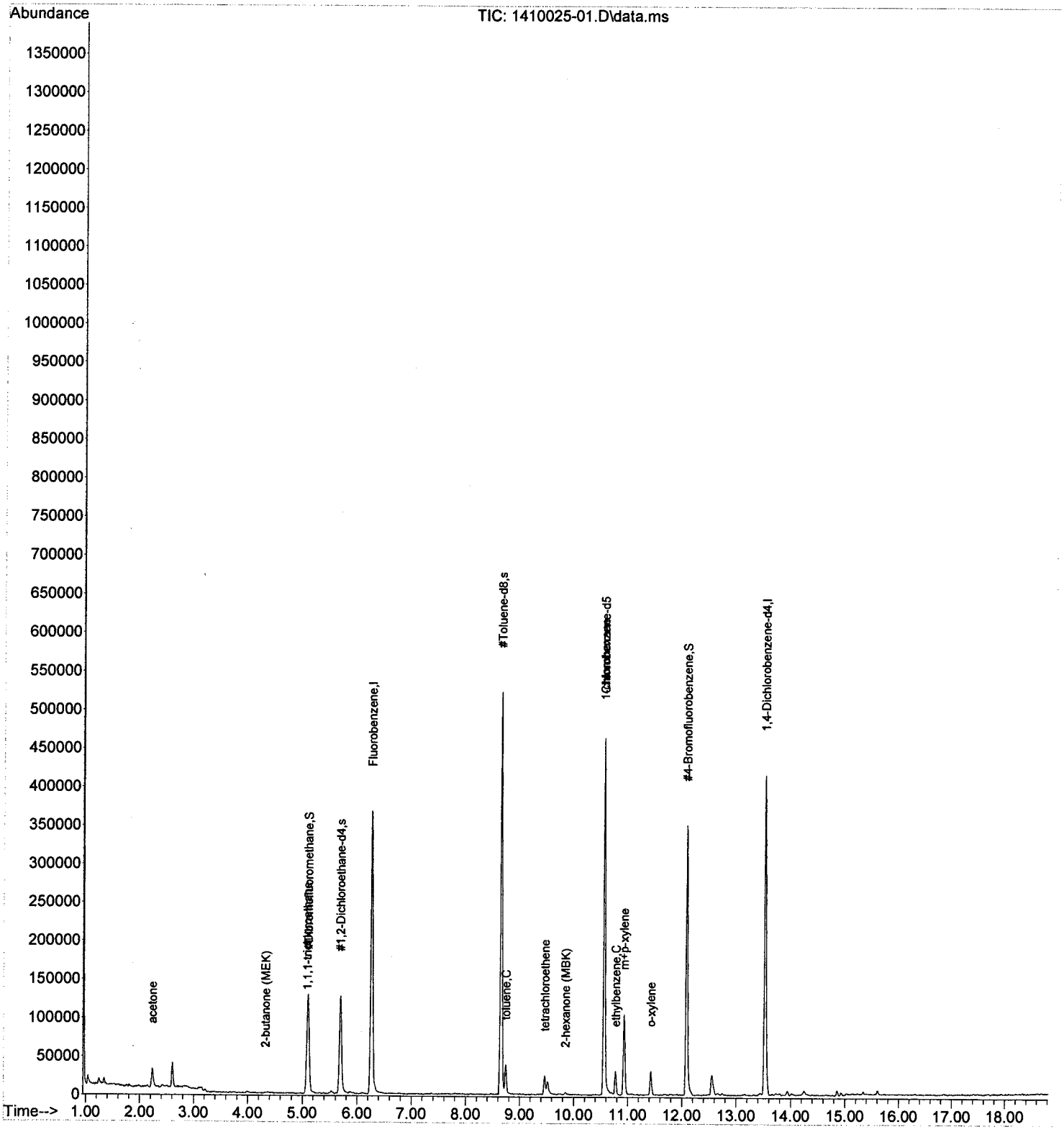
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-01
File ID: 1410025-01.D
Sampled: 09/30/14 09:14
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 09:53
Solids: 96.14
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	322881	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	148581	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-01.D
Acq On : 10 Oct 2014 09:53
Operator : DLV
Sample : 1410025-01
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 10 10:16:37 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



8260S_172.M Fri Oct 10 10:16:39 2014

091220

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-01.D
Acq On : 10 Oct 2014 09:53
Operator : DLV
Sample : 1410025-01
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 10 10:16:37 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	466352	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	322881	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	148581	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	120944	41.78	ug/L	0.00
Spiked Amount 40.000			Recovery = 104.45%			
37) #1,2-Dichloroethane-d4	5.690	67	74375	43.75	ug/L	0.00
Spiked Amount 40.000			Recovery = 109.38%			
46) #Toluene-d8	8.654	98	440897	39.10	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.75%			
64) #4-Bromofluorobenzene	12.083	95	158887	39.76	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.40%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	36127	23.64	ug/L	90
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	18812	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	2892	~~1.58~~	ug/L #	48
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	5.084	97	8620	1.58	ug/L	93
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-01.D
Acq On : 10 Oct 2014 09:53
Operator : DLV
Sample : 1410025-01
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 10 10:16:37 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

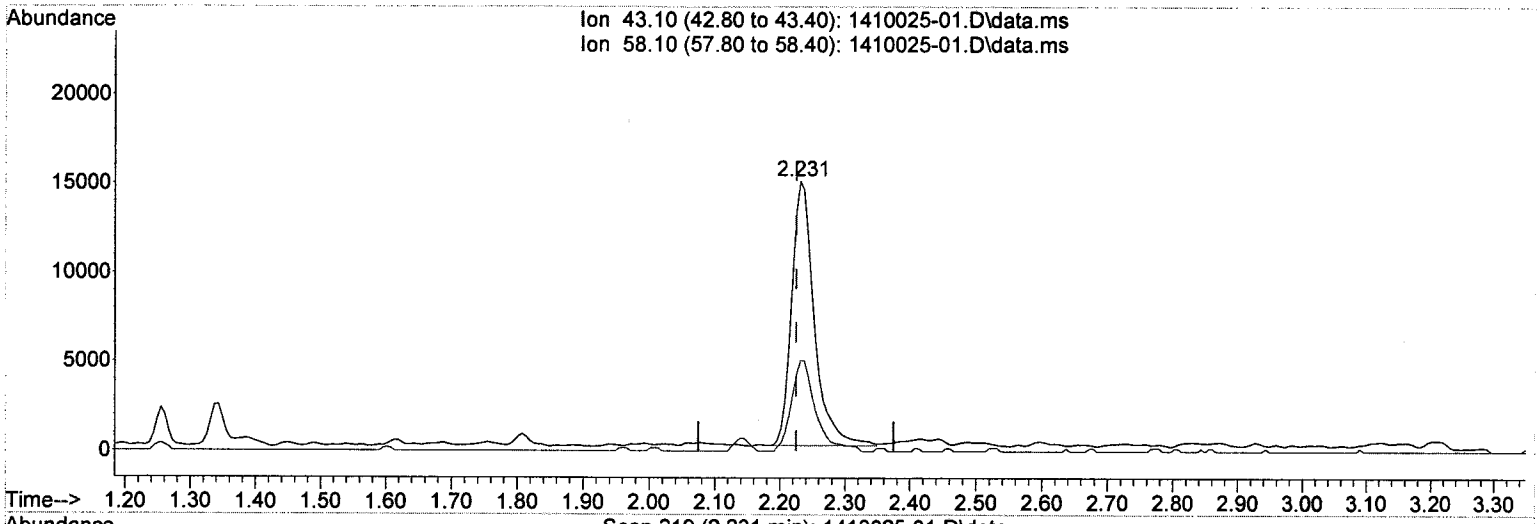
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	31269	1.79 ug/L	98
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	9.472	166	8888	1.88 ug/L	100
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.848	43	1873	0.72 ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2695	0.62 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.778	91	26206	1.35 ug/L	99
60) m+p-xylene	10.931	106	40533	5.67 ug/L	92
61) o-xylene	11.431	106	10310	1.52 ug/L	98
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

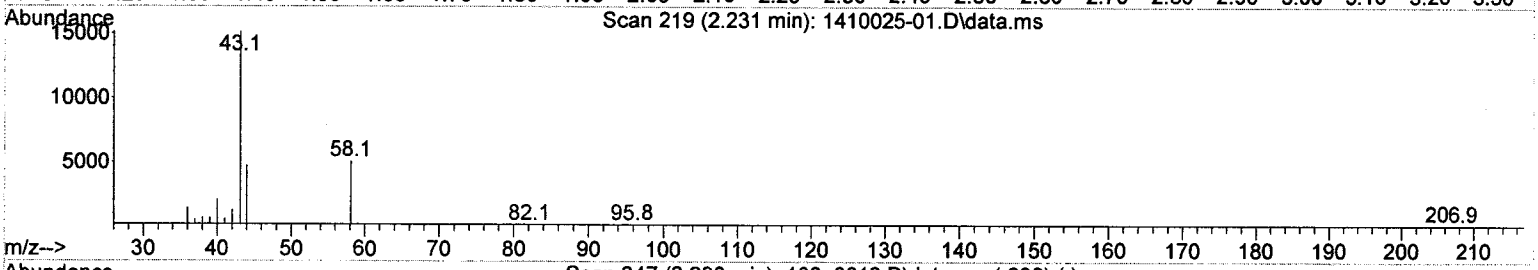
(#) = qualifier out of range (m) = manual integration (+) = signals summed

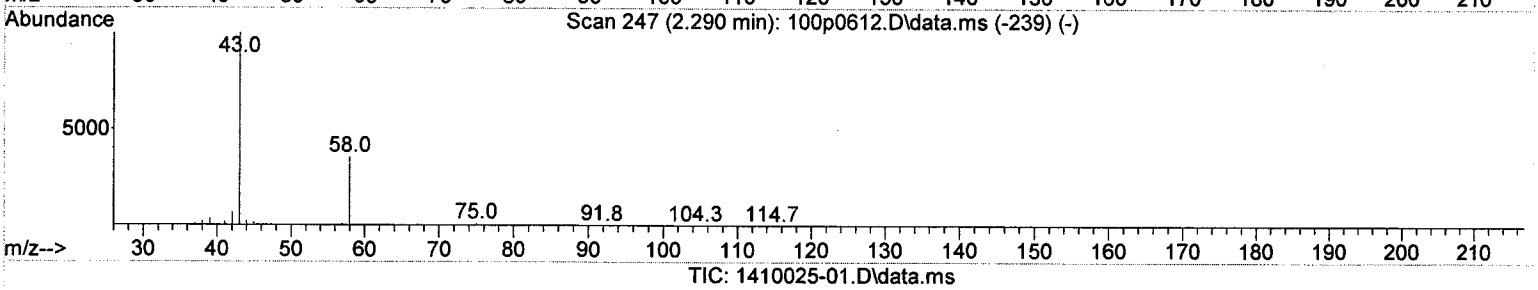
001222

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-01.D
Acq On : 10 Oct 2014 09:53
Operator : DLV
Sample : 1410025-01
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 10 10:16:37 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410025-01.D\data.ms

(13) acetone

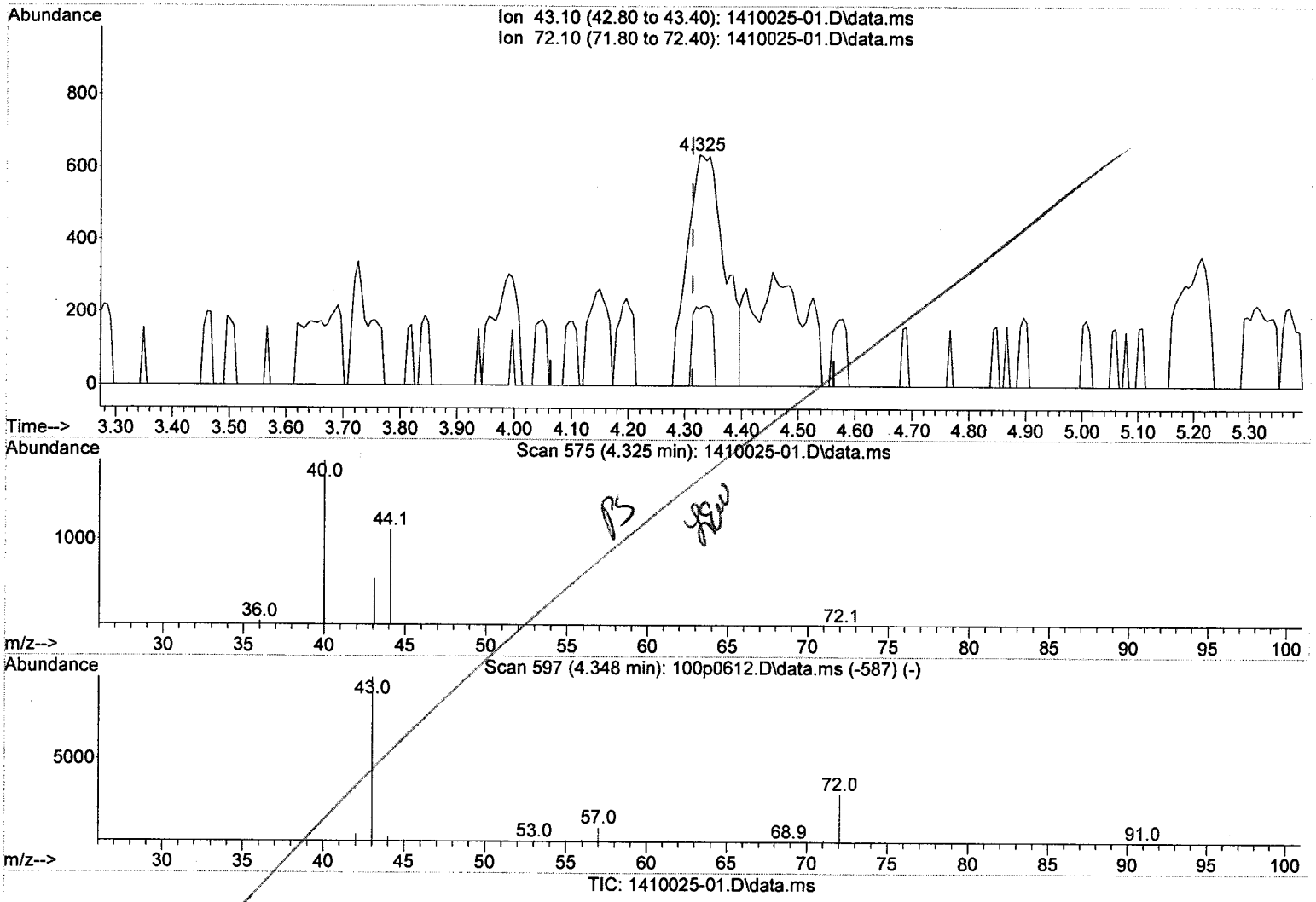
2.231min (+ 0.006) 23.64 ug/L

response 36127

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	36.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-01.D
Acq On : 10 Oct 2014 09:53
Operator : DLV
Sample : 1410025-01
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 10 10:16:37 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(25) 2-butanone (MEK)

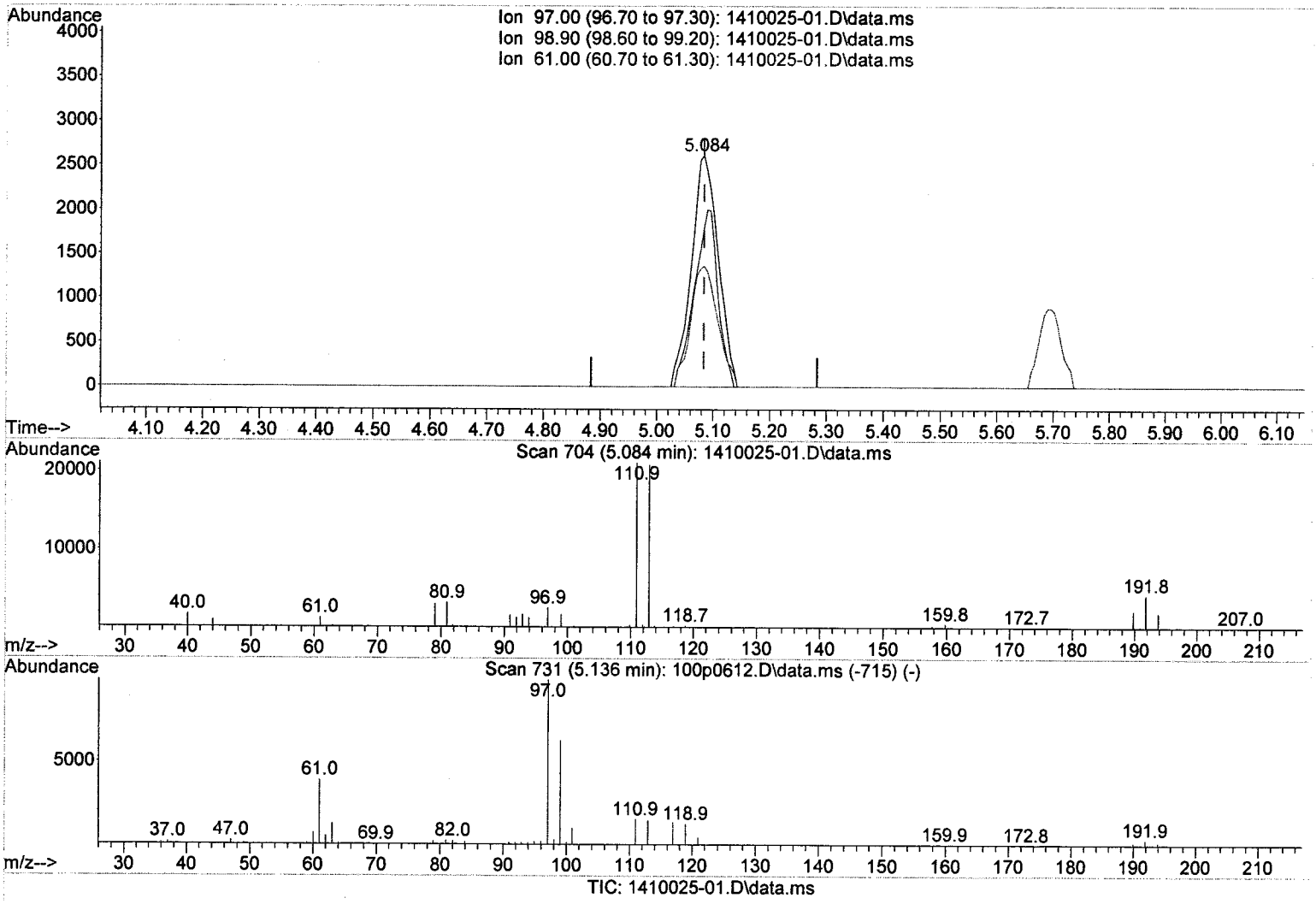
4.325min (+ 0.012) 1.58 ug/L

response 2892

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-01.D
Acq On : 10 Oct 2014 09:53
Operator : DLV
Sample : 1410025-01
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 10 10:16:37 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(30) 1,1,1-trichloroethane

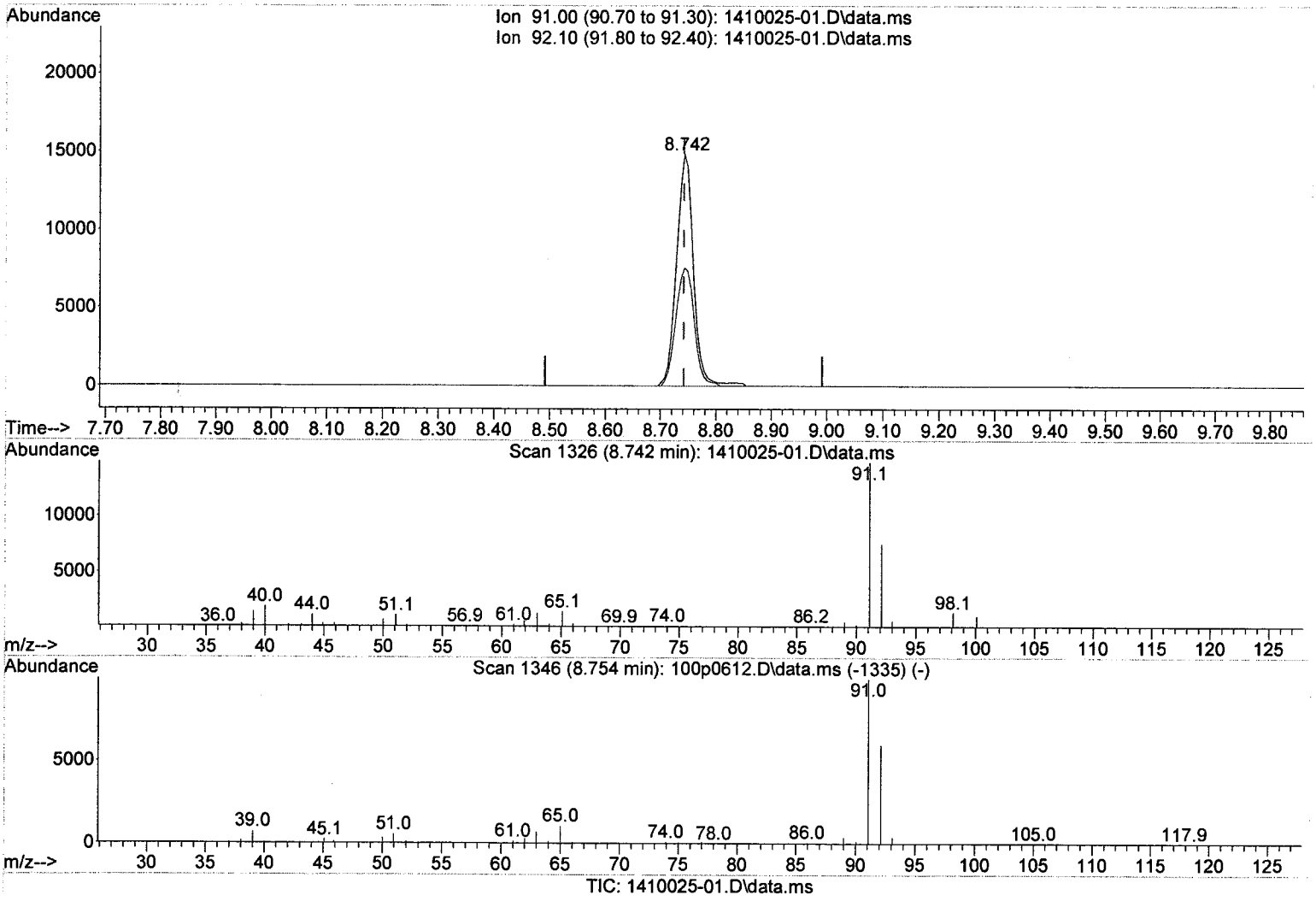
5.084min (-0.000) 1.58 ug/L

response 8620

Ion	Exp%	Act%
97.00	100.00	100.00
98.90	62.60	67.47
61.00	48.30	52.91
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-01.D
Acq On : 10 Oct 2014 09:53
Operator : DLV
Sample : 1410025-01
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 10 10:16:37 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(47) toluene (C)

8.742min (+ 0.000) 1.79 ug/L

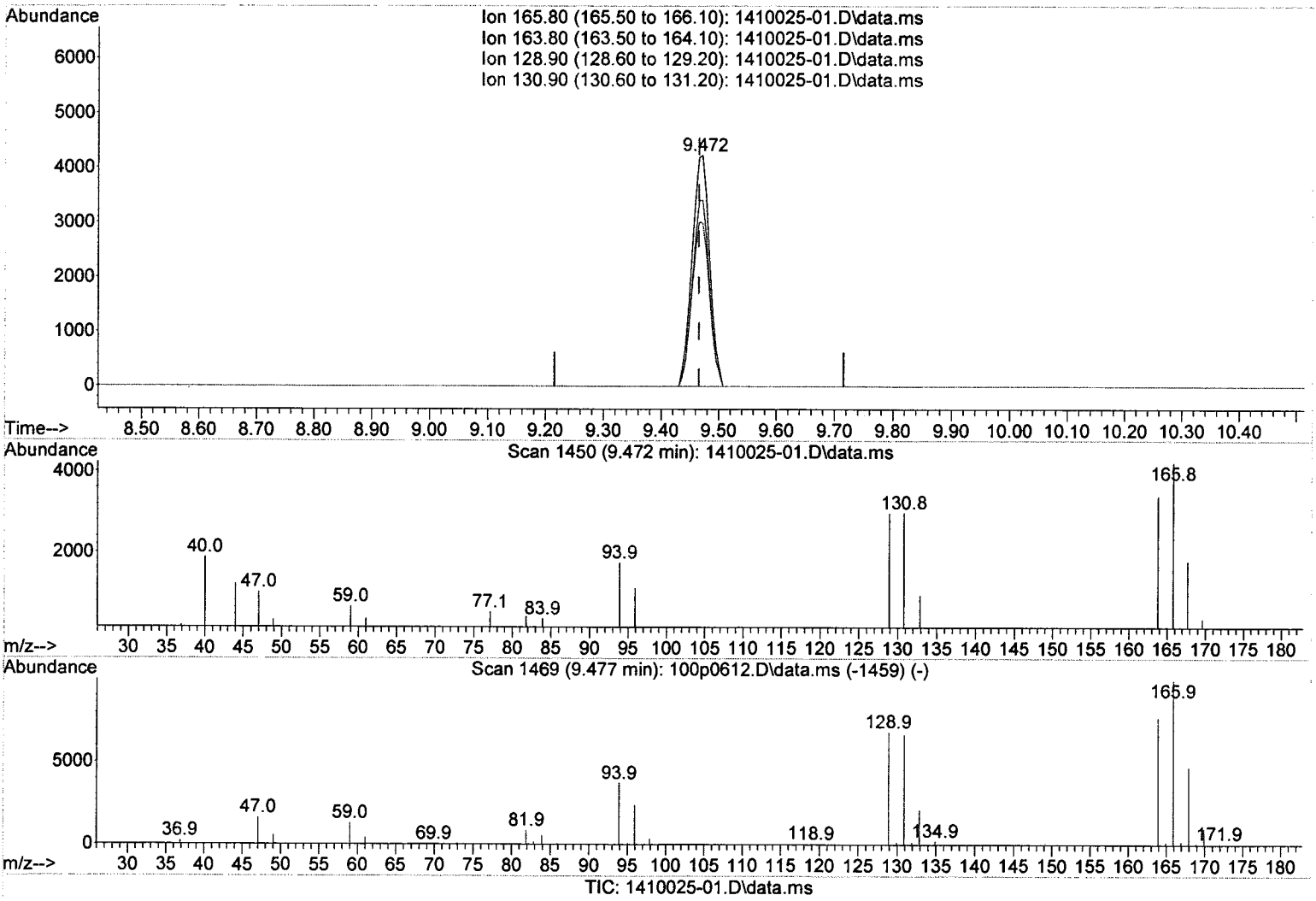
response 31269

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	55.81
0.00	0.00	0.00
0.00	0.00	0.00

001226

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-01.D
Acq On : 10 Oct 2014 09:53
Operator : DLV
Sample : 1410025-01
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 10 10:16:37 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(51) tetrachloroethene

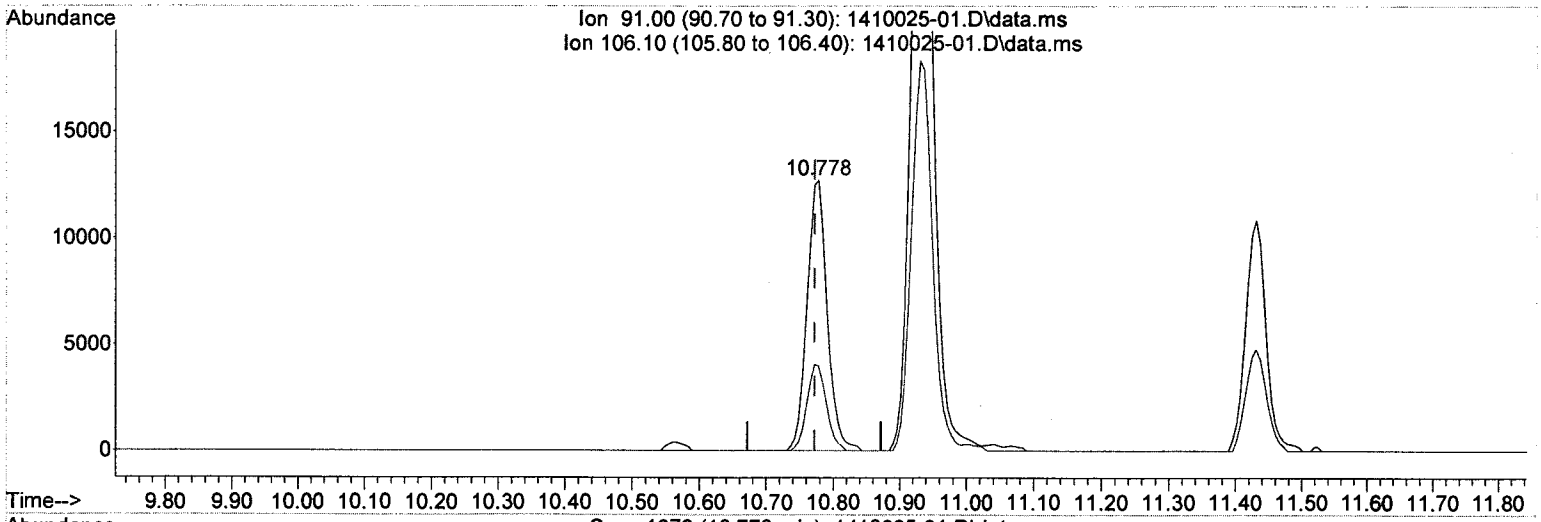
9.472min (+ 0.006) 1.88 ug/L

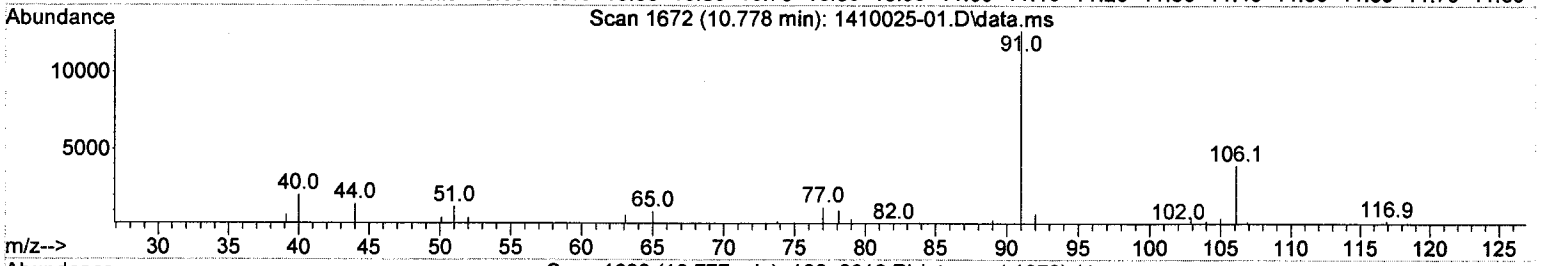
response 8888

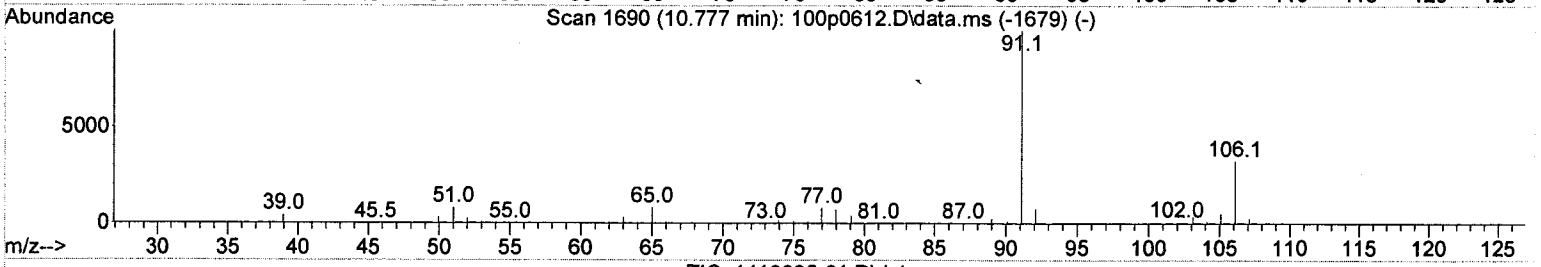
Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	77.93
128.90	74.10	73.82
130.90	70.00	70.63

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-01.D
Acq On : 10 Oct 2014 09:53
Operator : DLV
Sample : 1410025-01
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 10 10:16:37 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410025-01.D\data.ms

(59) ethylbenzene (C)

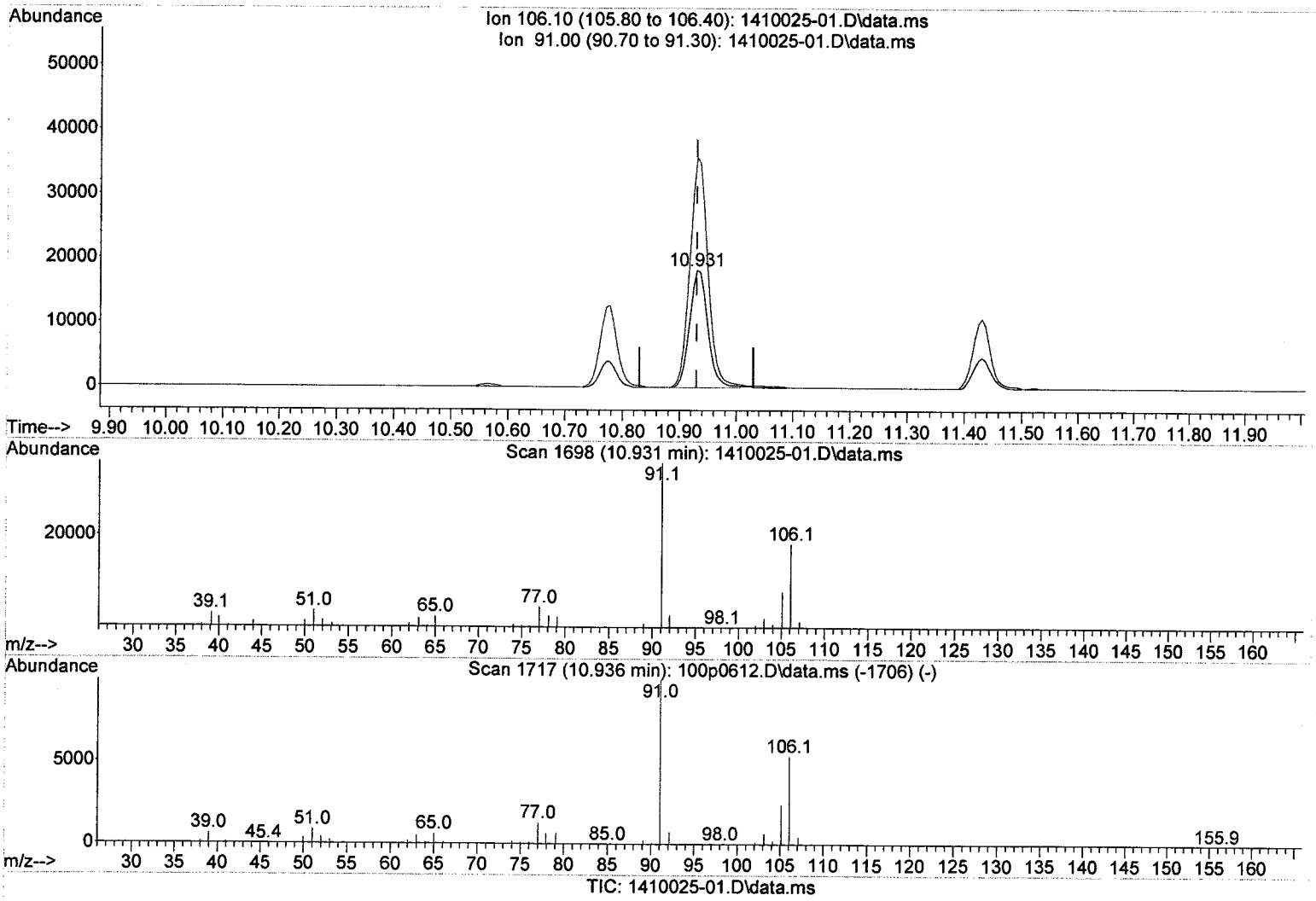
10.778min (+ 0.006) 1.35 ug/L

response 26206

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	30.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-01.D
Acq On : 10 Oct 2014 09:53
Operator : DLV
Sample : 1410025-01
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 10 10:16:37 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(60) m+p-xylene

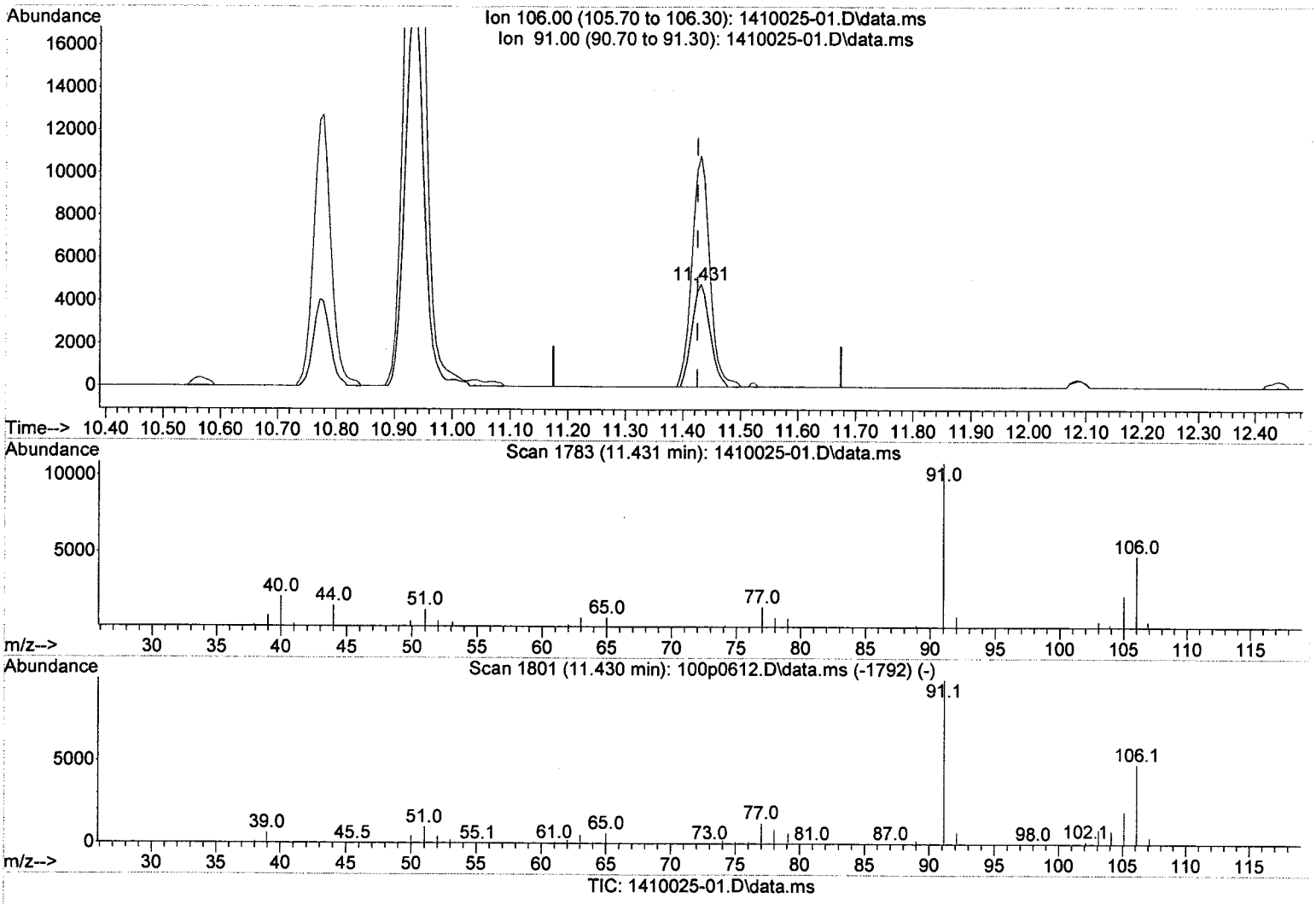
10.931min (+ 0.001) 5.67 ug/L

response 40533

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	195.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-01.D
Acq On : 10 Oct 2014 09:53
Operator : DLV
Sample : 1410025-01
Misc : AECOM
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 10 10:16:37 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(61) o-xylene

11.431min (+ 0.006) 1.52 ug/L

response 10310

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	223.47
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB12-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-02 File ID: 1410025-02.D

Sampled: 09/30/14 09:41 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 10:16

Solids: 96.61 Preparation: 5035A Low Concentratio Initial/Final: 3.9 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	52	5.6	6.6	6.6	B
71-43-2	Benzene	1	0.66	0.21	0.66	1.3	U
108-86-1	Bromobenzene	1	0.66	0.18	0.66	1.3	U
74-97-5	Bromochloromethane	1	0.66	0.19	0.66	1.3	U
75-27-4	Bromodichloromethane	1	0.66	0.23	0.66	1.3	U
75-25-2	Bromoform	1	0.66	0.47	0.66	1.3	U
74-83-9	Bromomethane	1	0.66	0.44	0.66	1.3	U
104-51-8	n-Butylbenzene	1	0.66	0.34	0.66	1.3	U
135-98-8	sec-Butylbenzene	1	0.66	0.28	0.66	1.3	U
98-06-6	tert-Butylbenzene	1	0.66	0.22	0.66	1.3	U
75-15-0	Carbon Disulfide	1	0.50	0.31	0.66	1.3	J
56-23-5	Carbon Tetrachloride	1	0.66	0.43	0.66	1.3	U
108-90-7	Chlorobenzene	1	0.66	0.20	0.66	1.3	U
75-00-3	Chloroethane	1	1.3	0.67	1.3	1.3	U
67-66-3	Chloroform	1	0.66	0.19	0.66	1.3	U
74-87-3	Chloromethane	1	0.66	0.34	0.66	1.3	U
95-49-8	2-Chlorotoluene	1	0.66	0.39	0.66	1.3	U
106-43-4	4-Chlorotoluene	1	0.27	0.27	0.27	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.3	0.78	1.3	6.6	U
124-48-1	Dibromochloromethane	1	0.66	0.25	0.66	1.3	U
106-93-4	1,2-Dibromoethane	1	0.66	0.20	0.66	1.3	U
74-95-3	Dibromomethane	1	0.66	0.30	0.66	1.3	U
95-50-1	1,2-Dichlorobenzene	1	0.27	0.12	0.27	1.3	U
541-73-1	1,3-Dichlorobenzene	1	0.27	0.14	0.27	1.3	U
106-46-7	1,4-Dichlorobenzene	1	0.27	0.14	0.27	1.3	U
75-71-8	Dichlorodifluoromethane	1	0.66	0.19	0.66	1.3	U
75-34-3	1,1-Dichloroethane	1	1.4	0.28	0.66	1.3	
107-06-2	1,2-Dichloroethane	1	0.66	0.30	0.66	1.3	U
75-35-4	1,1-Dichloroethene	1	0.66	0.41	0.66	1.3	U
156-59-2	cis-1,2-Dichloroethene	1	0.66	0.30	0.66	1.3	U
156-60-5	trans-1,2-Dichloroethene	1	0.66	0.36	0.66	1.3	U
78-87-5	1,2-Dichloropropane	1	0.66	0.23	0.66	1.3	U
142-28-9	1,3-Dichloropropane	1	0.66	0.19	0.66	1.3	U
594-20-7	2,2-Dichloropropane	1	0.66	0.30	0.66	1.3	U
563-58-6	1,1-Dichloropropene	1	0.66	0.37	0.66	1.3	U
10061-01-5	cis-1,3-Dichloropropene	1	0.27	0.15	0.27	1.3	U
10061-02-6	trans-1,3-Dichloropropene	1	0.66	0.16	0.66	1.3	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB12-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-02 File ID: 1410025-02.D

Sampled: 09/30/14 09:41 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 10:16

Solids: 96.61 Preparation: 5035A Low Concentratio Initial/Final: 3.9 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.98	0.25	0.66	1.3	J
87-68-3	Hexachlorobutadiene	1	0.66	0.27	0.66	1.3	U
591-78-6	2-Hexanone	1	0.66	0.64	0.66	6.6	U
98-82-8	Isopropylbenzene	1	0.27	0.15	0.27	1.3	U
99-87-6	4-Isopropyltoluene	1	0.66	0.32	0.66	1.3	U
75-09-2	Methylene Chloride	1	1.3	0.62	1.3	6.6	U
78-93-3	2-Butanone (MEK)	1	4.4	1.5	6.6	6.6	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.66	0.51	0.66	6.6	U
91-20-3	Naphthalene	1	0.66	0.21	0.66	6.6	U
103-65-1	n-Propylbenzene	1	0.66	0.15	0.66	1.3	U
100-42-5	Styrene	1	0.27	0.27	0.27	1.3	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.66	0.20	0.66	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.66	0.19	0.66	1.3	U
127-18-4	Tetrachloroethene	1	1.1	0.23	0.66	1.3	J
108-88-3	Toluene	1	1.3	0.13	0.27	1.3	
87-61-6	1,2,3-Trichlorobenzene	1	0.66	0.38	0.66	1.3	U
120-82-1	1,2,4-Trichlorobenzene	1	0.66	0.23	0.66	1.3	U
71-55-6	1,1,1-Trichloroethane	1	1.7	0.19	0.66	1.3	
79-00-5	1,1,2-Trichloroethane	1	0.66	0.28	0.66	1.3	U
79-01-6	Trichloroethene	1	0.66	0.32	0.66	1.3	U
75-69-4	Trichlorofluoromethane	1	0.66	0.23	0.66	1.3	U
96-18-4	1,2,3-Trichloropropane	1	0.66	0.30	0.66	1.3	U
95-63-6	1,2,4-Trimethylbenzene	1	0.66	0.15	0.66	1.3	U
108-67-8	1,3,5-Trimethylbenzene	1	0.66	0.26	0.66	1.3	U
75-01-4	Vinyl Chloride	1	0.66	0.27	0.66	1.3	U
179601-23-1	Xylene, Meta + Para	1	4.0	0.19	0.53	2.7	
95-47-6	Xylene, Ortho	1	1.0	0.15	0.27	1.3	J

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.4	104	78 - 119	
1,2-Dichloroethane-d4	40.0	44.1	110	71 - 136	
Toluene-d8	40.0	39.7	99	85 - 116	
4-Bromofluorobenzene	40.0	39.6	99	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	478232	6.266	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB12-34

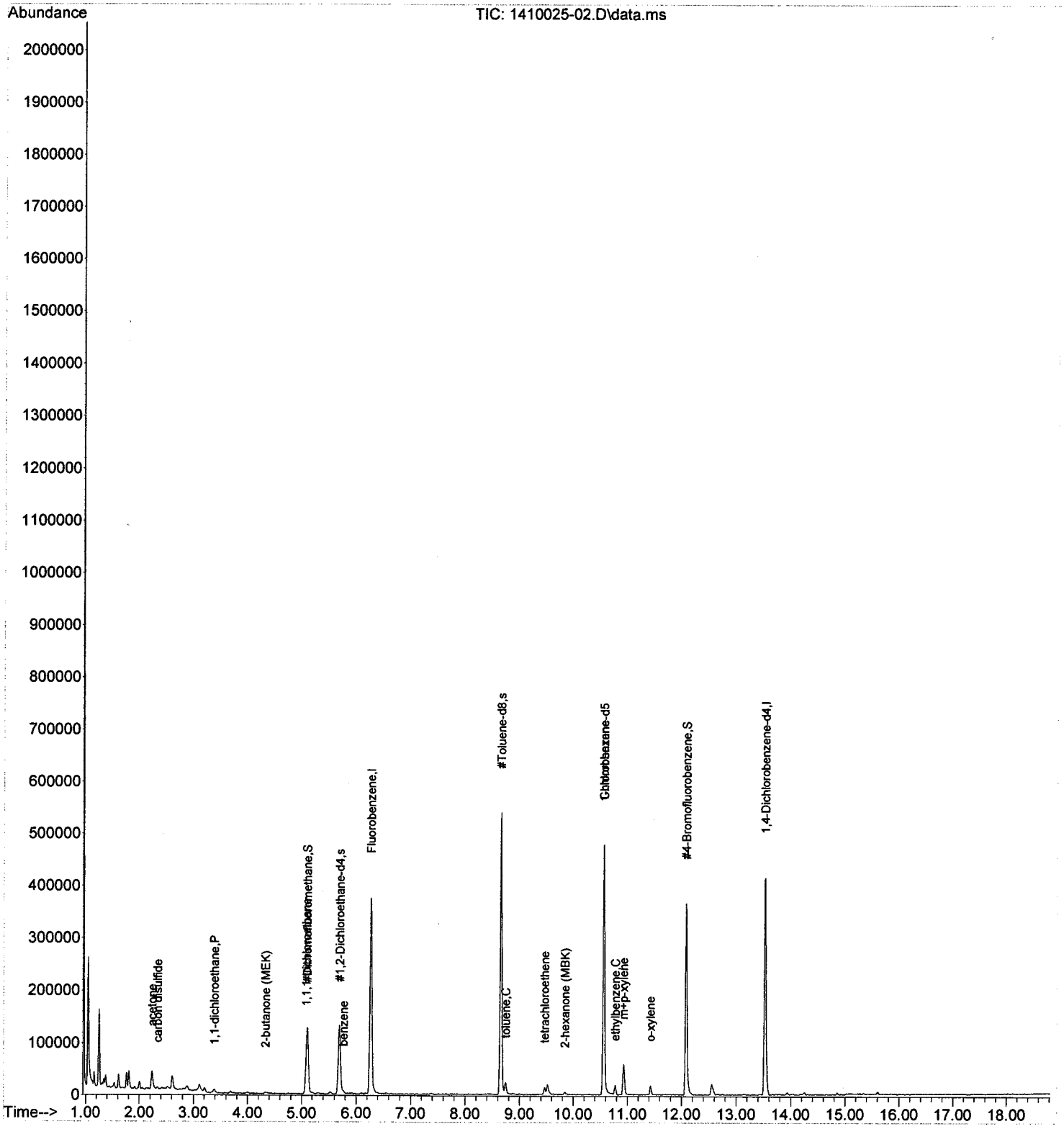
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-02
File ID: 1410025-02.D
Sampled: 09/30/14 09:41
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 10:16
Solids: 96.61
Preparation: 5035A Low Concentratio
Initial/Final: 3.9 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	337377	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	154611	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



8260S-12C.M Fri Oct 10 10:43:29 2014 001284 Page: 3

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.266	96	478232	40.00 ug/L	0.00
50) Chlorobenzene-d5	10.566	117	337377	40.00 ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	154611	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	5.101	111	122953	41.42 ug/L	0.00
Spiked Amount 40.000			Recovery = 103.55%		
37) #1,2-Dichloroethane-d4	5.695	67	76940	44.14 ug/L	0.00
Spiked Amount 40.000			Recovery = 110.35%		
46) #Toluene-d8	8.654	98	458865	39.68 ug/L	0.00
Spiked Amount 40.000			Recovery = 99.20%		
64) #4-Bromofluorobenzene	12.083	95	165379	39.61 ug/L	0.00
Spiked Amount 40.000			Recovery = 99.02%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.	
3) chloromethane	0.000		0	N.D.	
4) vinyl chloride	0.000		0	N.D.	
5) bromomethane	0.000		0	N.D.	
6) chloroethane	0.000		0	N.D.	
7) dichlorofluoromethane	0.000		0	N.D.	
8) trichlorofluoromethane	0.000		0	N.D.	
9) ethyl ether	0.000		0	N.D.	
10) acrolein	0.000		0	N.D.	
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.	
12) 1,1-dichloroethene	0.000		0	N.D.	
13) acetone	2.231	43	55992	✓ 38.95 ug/L	98
14) iodomethane	0.000		0	N.D.	
15) carbon disulfide	2.337	76	3674	✓ 0.38 ug/L #	75
16) methyl acetate	0.000		0	N.D.	
17) methylene chloride	2.607	49	15392	Below Cal	93
18) acrylonitrile	0.000		0	N.D.	
19) trans-1,2-dichloroethene	0.000		0	N.D.	
20) methyl (tert) butyl ether	0.000		0	N.D.	
21) 1,1-dichloroethane	3.384	63	7746	✓ 1.04 ug/L #	89
22) vinyl acetate	0.000		0	N.D.	
23) 2,2-dichloropropane	0.000		0	N.D.	
24) cis-1,2-dichloroethene	0.000		0	N.D.	
25) 2-butanone (MEK)	4.331	43	6260	✓ 3.33 ug/L #	48
26) bromochloromethane	0.000		0	N.D.	
27) tetrahydrofuran	0.000		0	N.D.	
28) chloroform	0.000		0	N.D.	
30) 1,1,1-trichloroethane	5.084	97	7009	✓ 1.26 ug/L #	84
31) cyclohexane	0.000		0	N.D.	
32) carbon tetrachloride	0.000		0	N.D.	
33) 1,1-dichloropropene	0.000		0	N.D.	
34) benzene	5.766	78	2116	0.13 ug/L #	63
35) 1,2-dichloroethane	0.000		0	N.D.	
36) heptane	0.000		0	N.D.	
38) trichloroethene	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

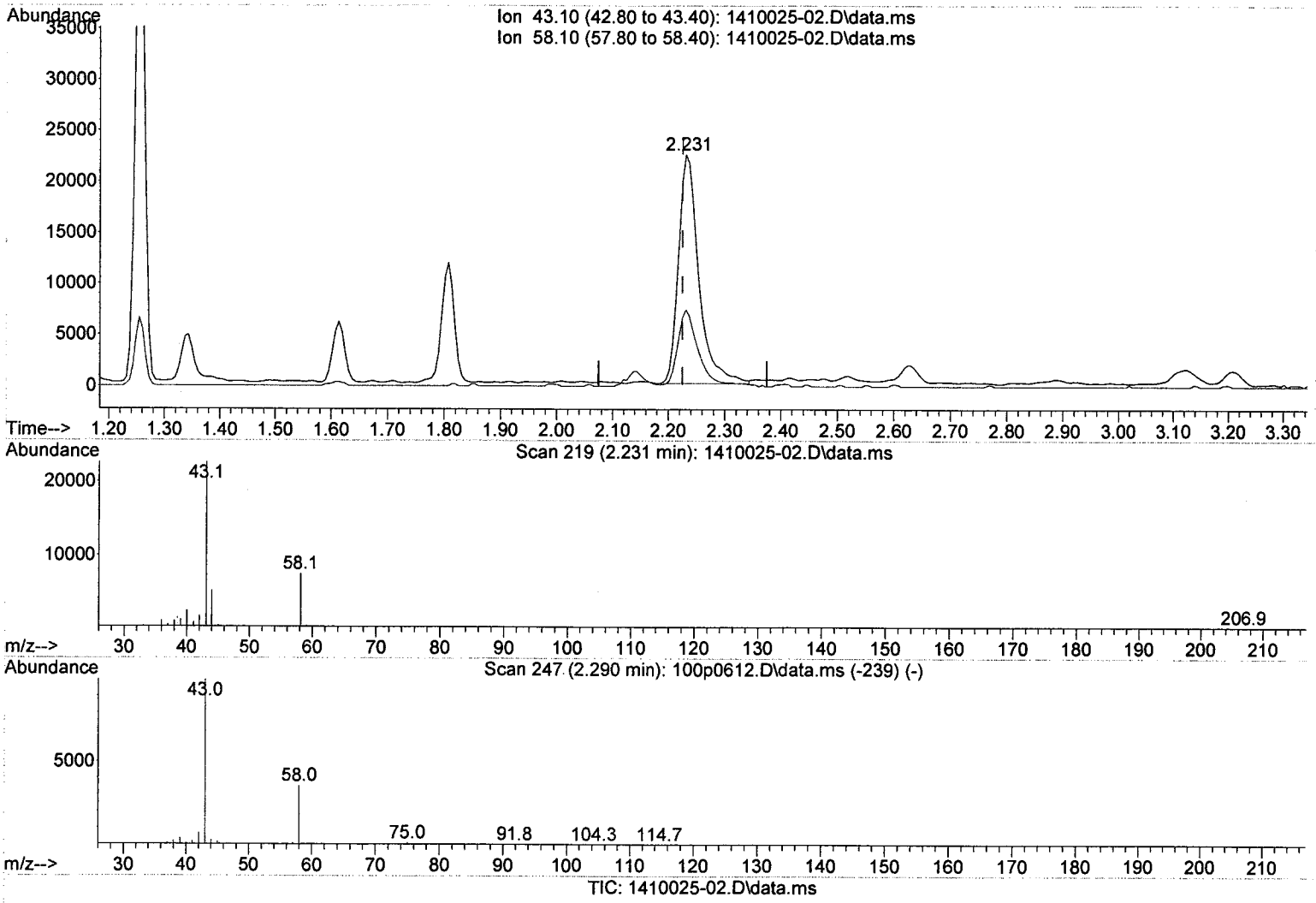
InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	17581	✓ 0.98 ug/L	96
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	9.466	166	4161	✓ 0.84 ug/L	87
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.848	43	1662	n+ ~~0.62~~ ug/L #	39
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2869	0.63 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.778	91	15066	✓ 0.74 ug/L	97
60) m+p-xylene	10.930	106	22293	✓ 2.98 ug/L	96
61) o-xylene	11.430	106	5437	✓ 0.77 ug/L #	85
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(13) acetone

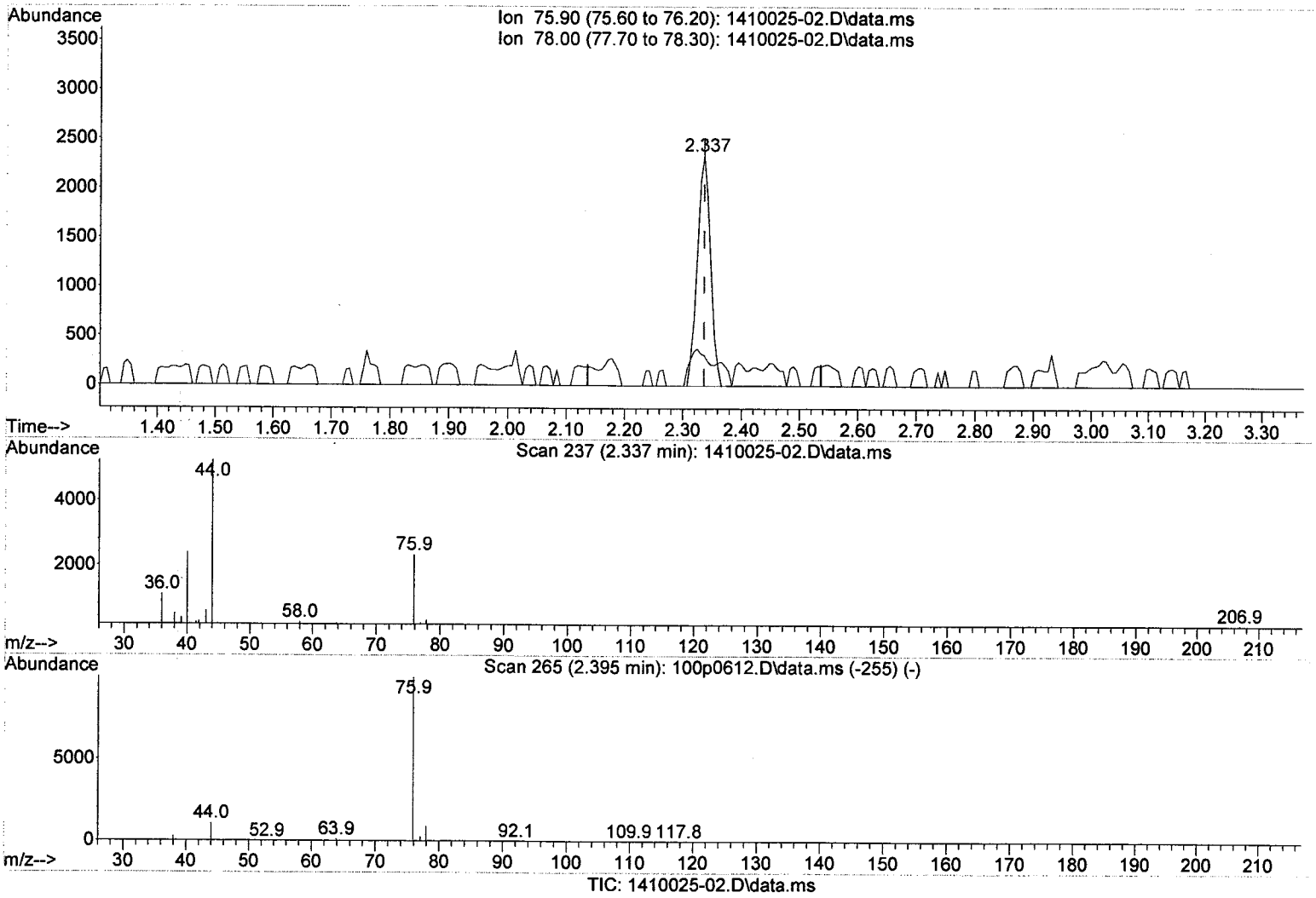
2.231min (+ 0.006) 38.95 ug/L

response 55992

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	32.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(15) carbon disulfide

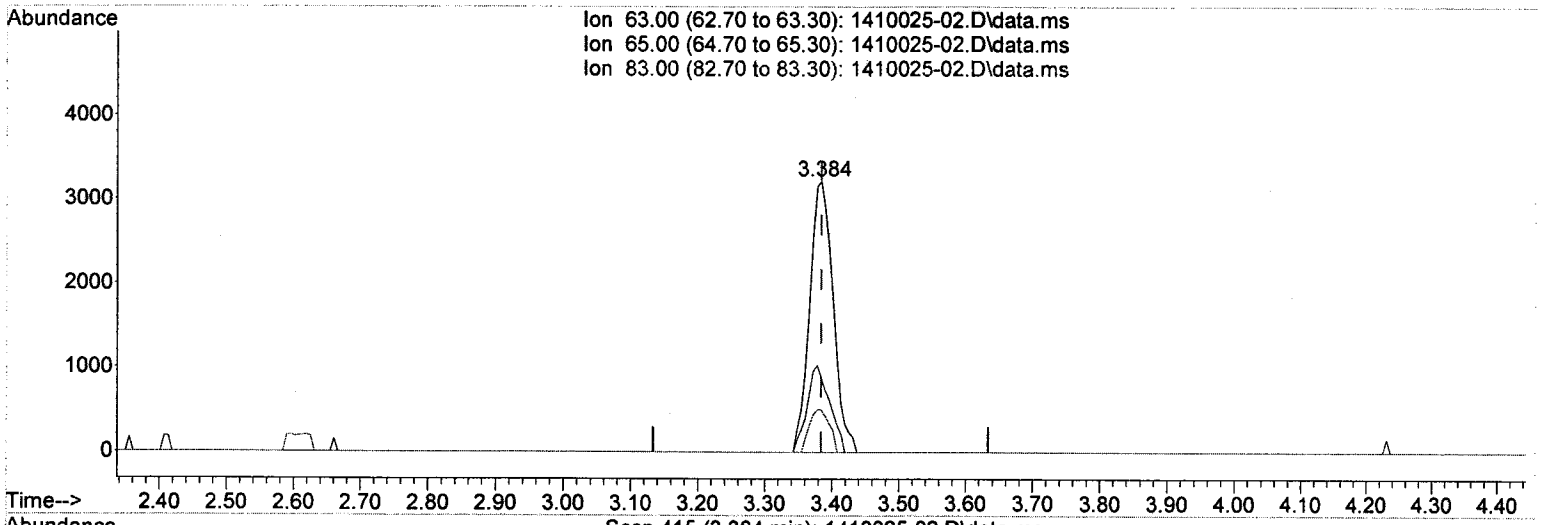
2.337min (-0.000) 0.38 ug/L

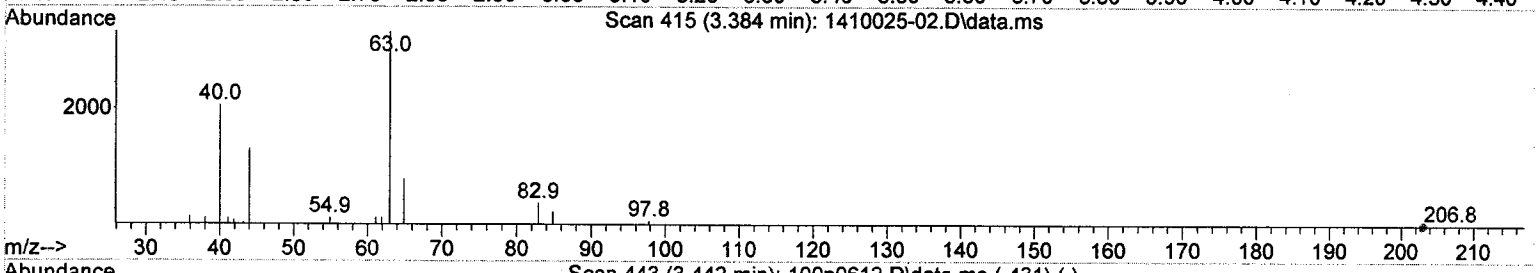
response 3674

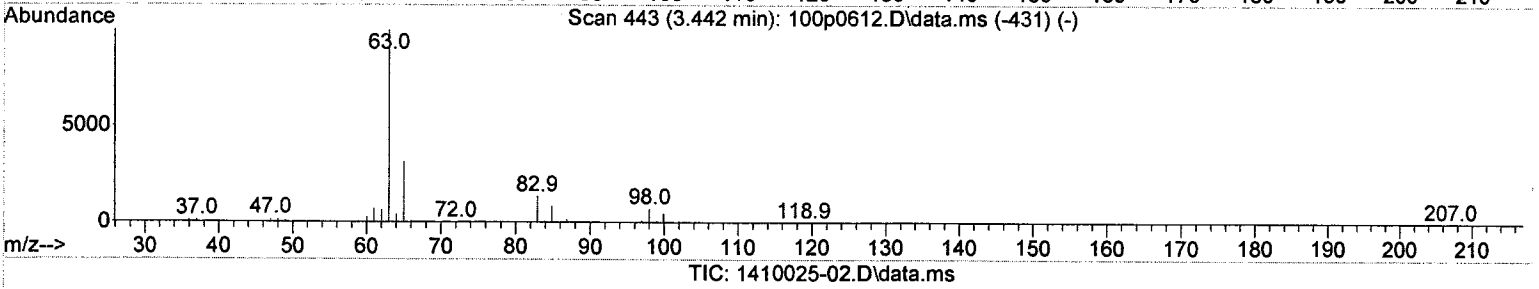
Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410025-02.D\data.ms

(21) 1,1-dichloroethane (P)

3.384min (-0.000) 1.04 ug/L

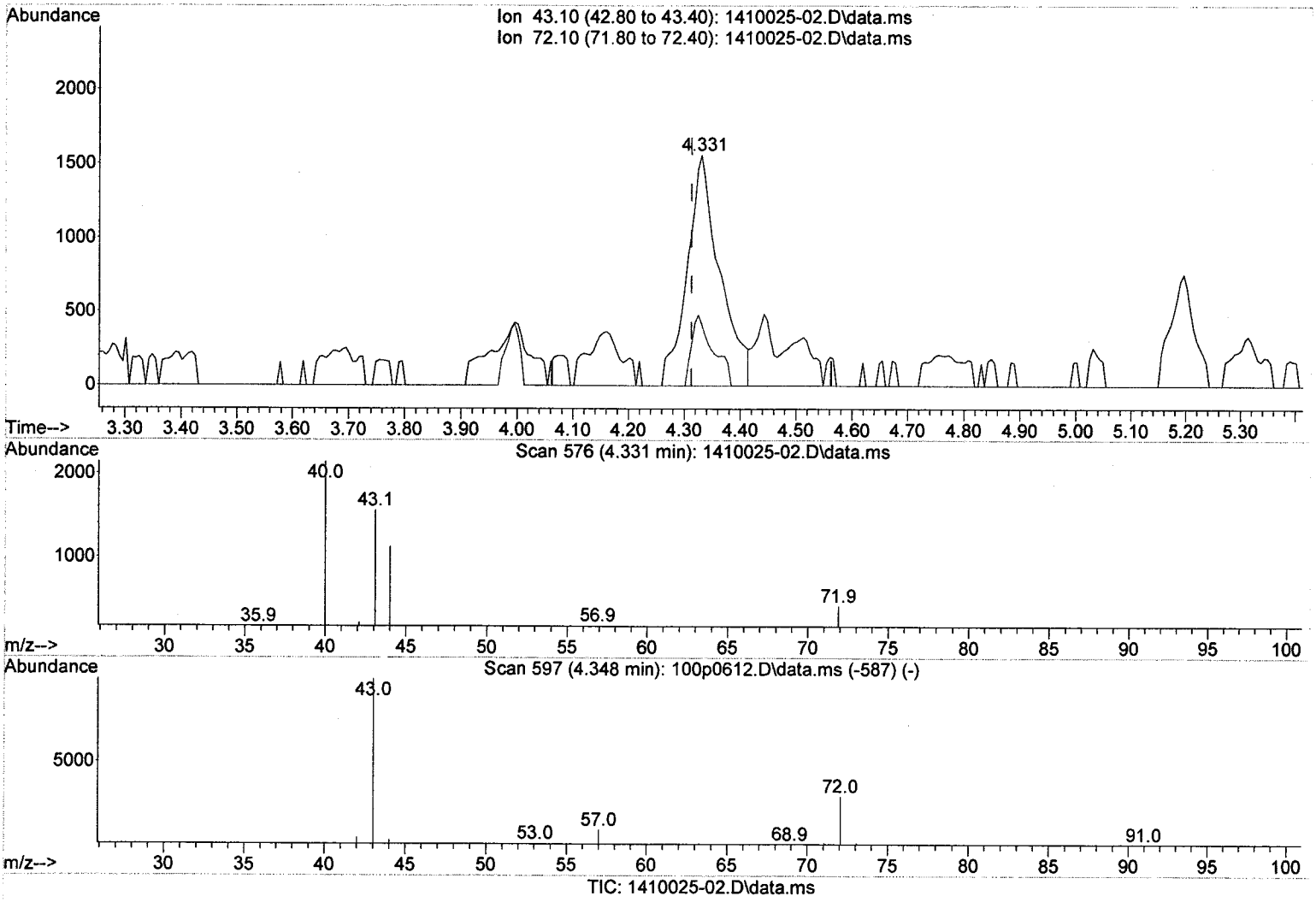
response 7746

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	31.80	30.57
83.00	13.00	0.00
0.00	0.00	0.00

001239

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(25) 2-butanone (MEK)

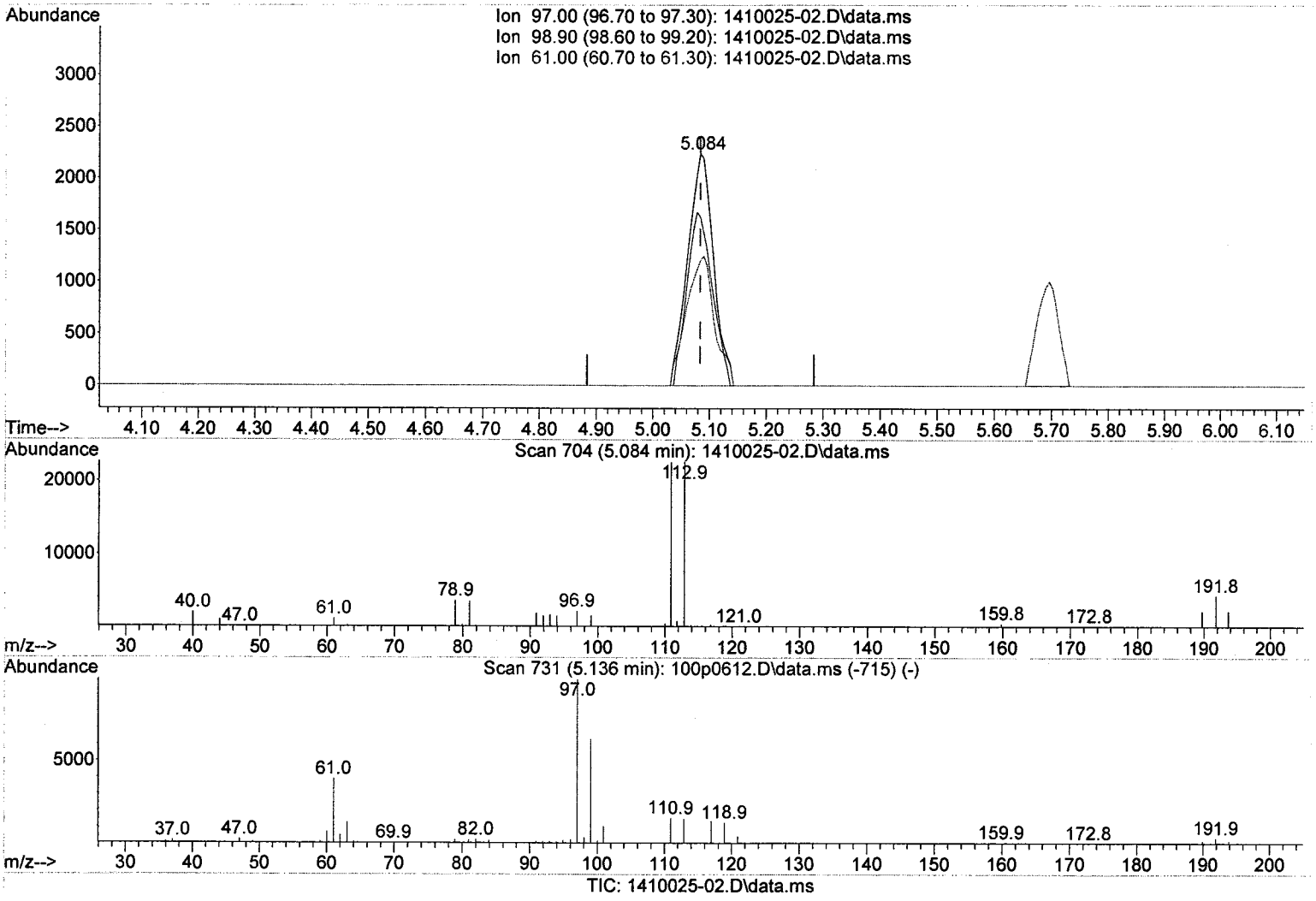
4.331min (+ 0.018) 3.33 ug/L

response 6260

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(30) 1,1,1-trichloroethane

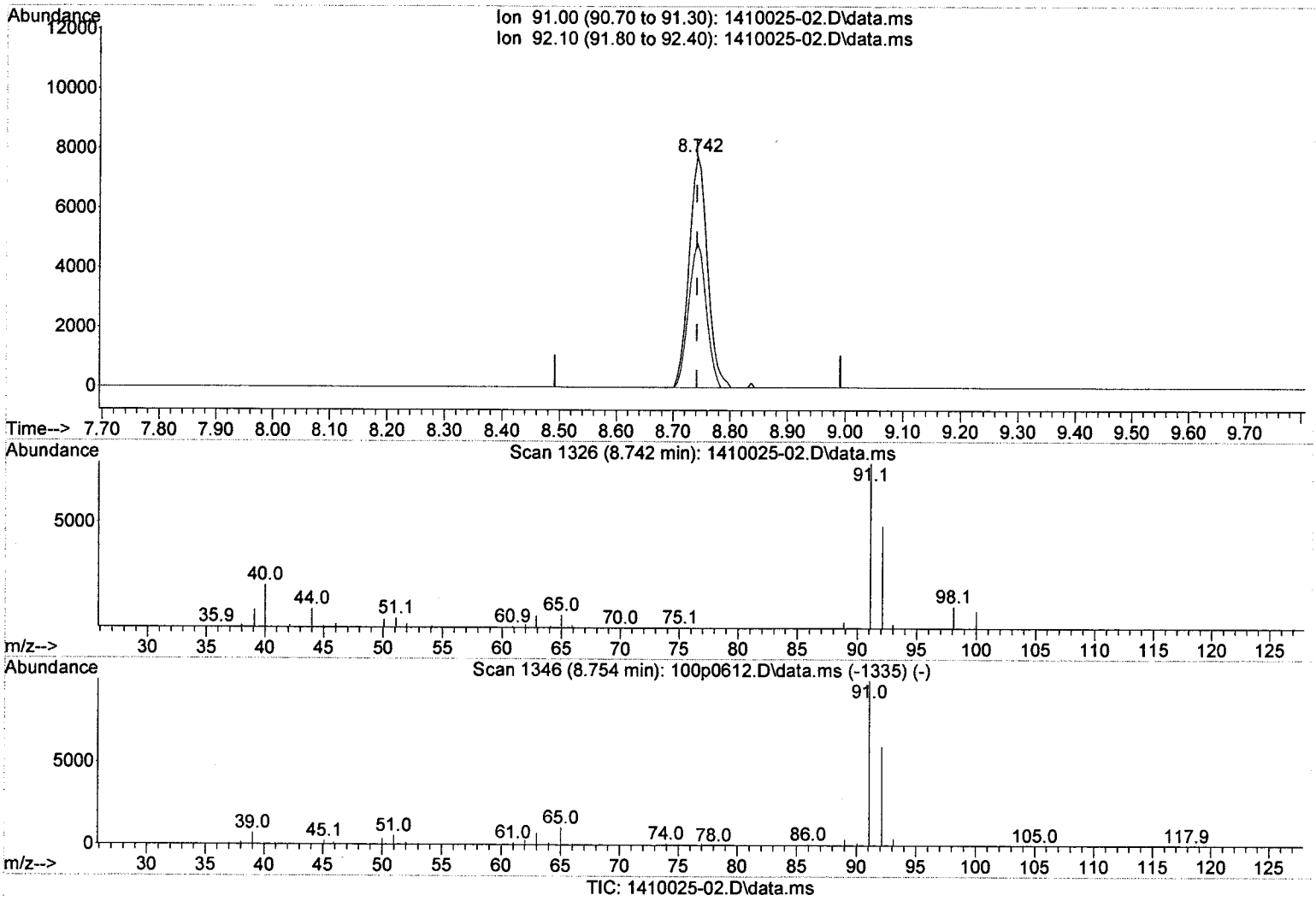
5.084min (-0.000) 1.26 ug/L

response 7009

Ion	Exp%	Act%
97.00	100.00	100.00
98.90	62.60	73.62
61.00	48.30	60.47#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(47) toluene (C)

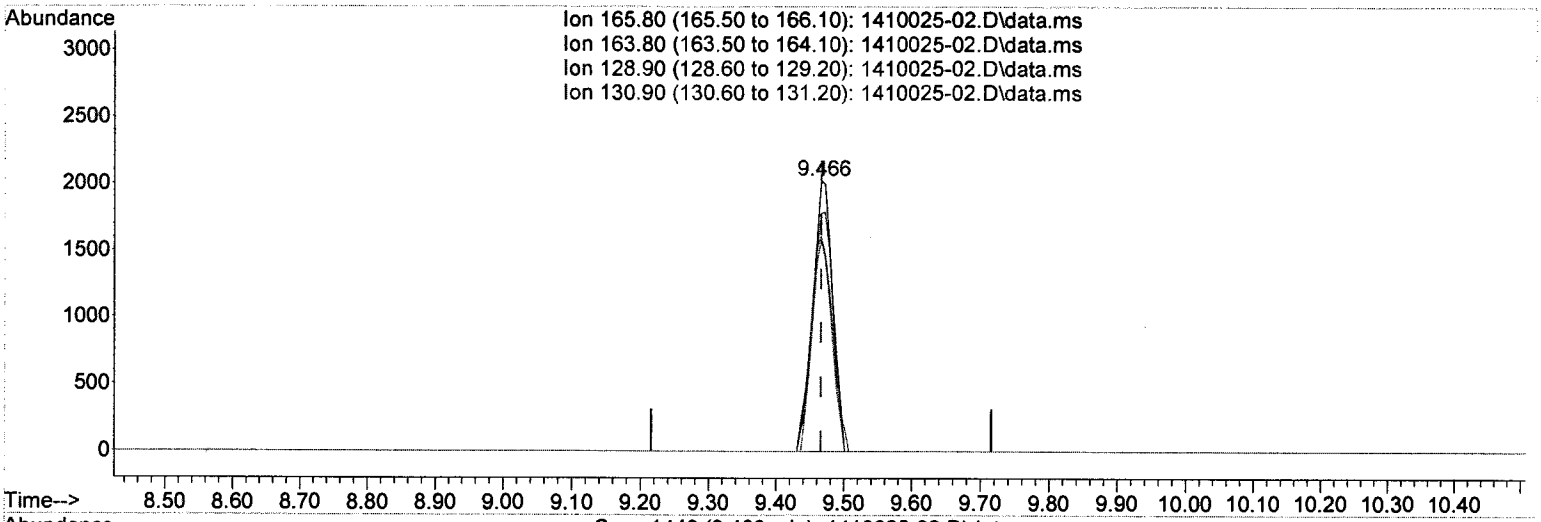
8.742min (+ 0.000) 0.98 ug/L

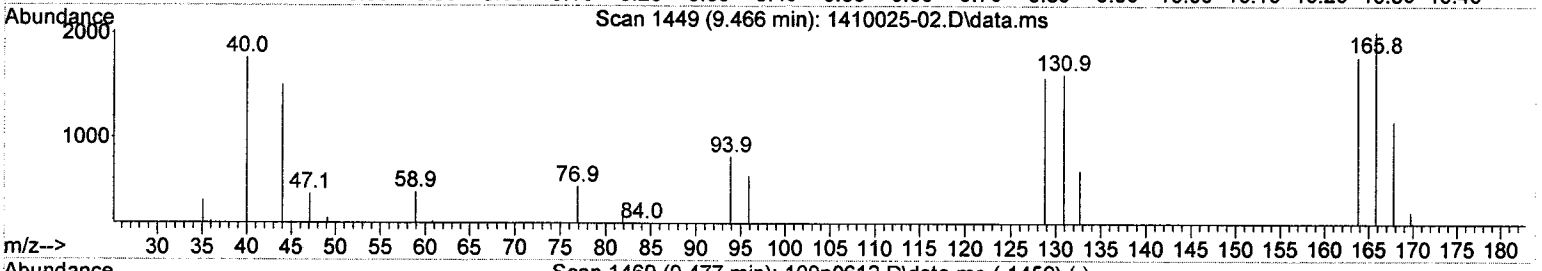
response 17581

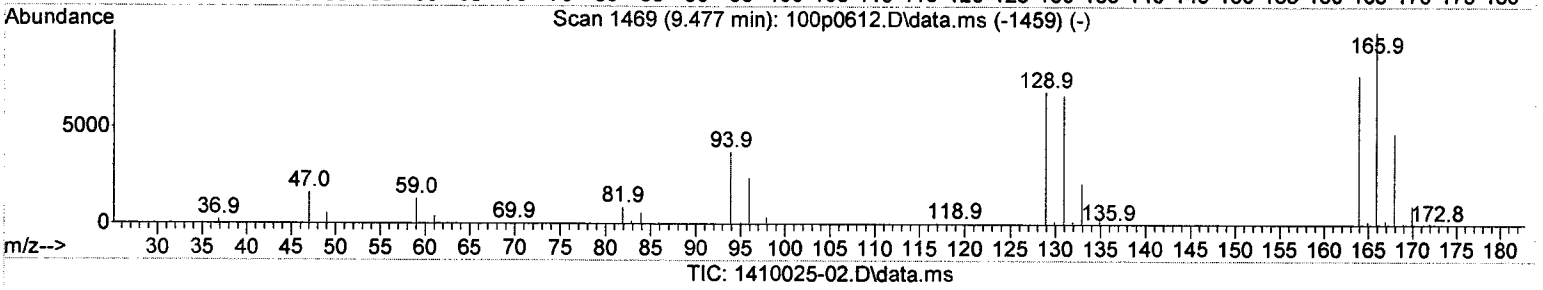
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	59.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410025-02.D\data.ms

(51) tetrachloroethene

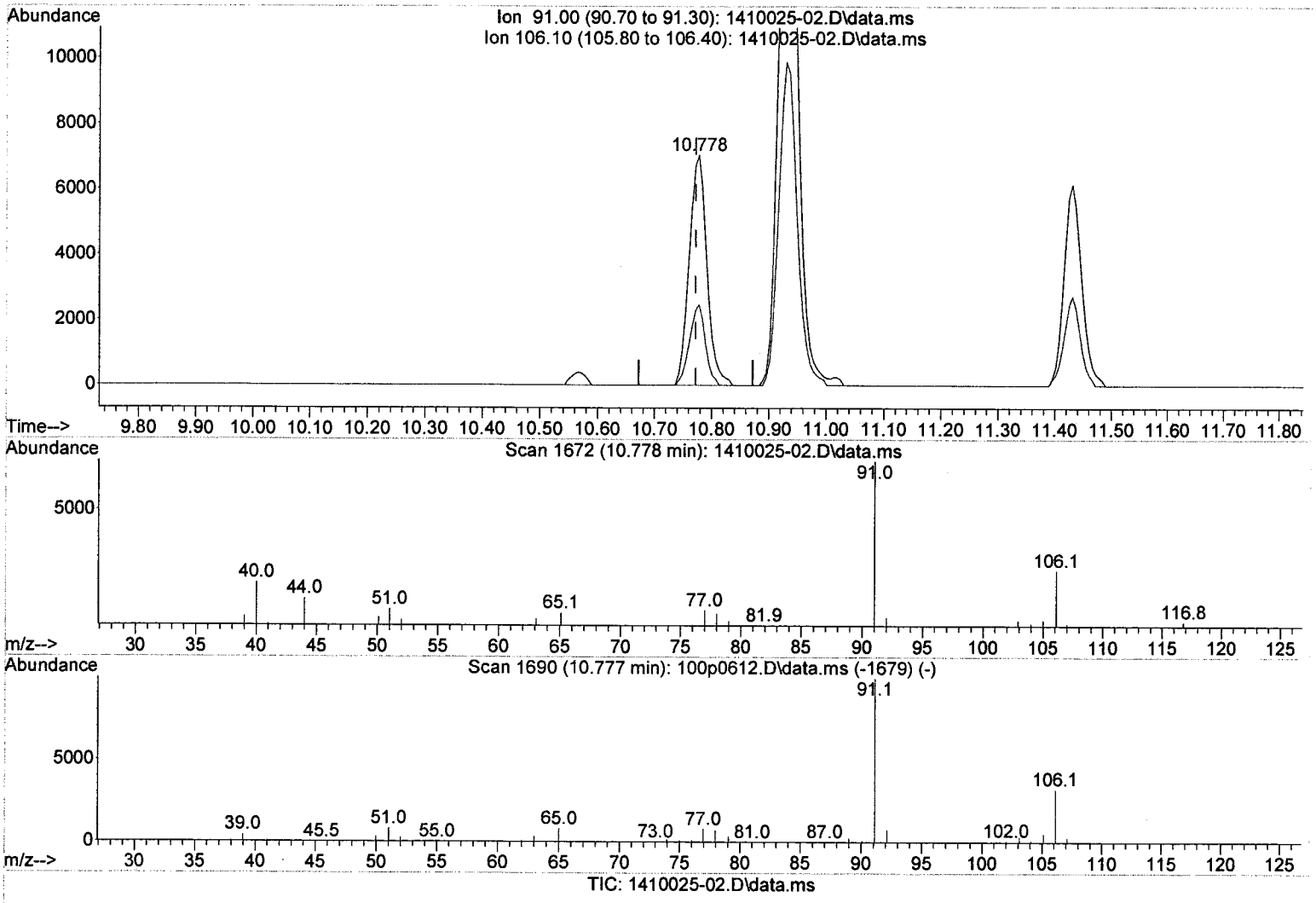
9.466min (-0.000) 0.84 ug/L

response 4161

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	94.69
128.90	74.10	77.07
130.90	70.00	83.59

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(59) ethylbenzene (C)

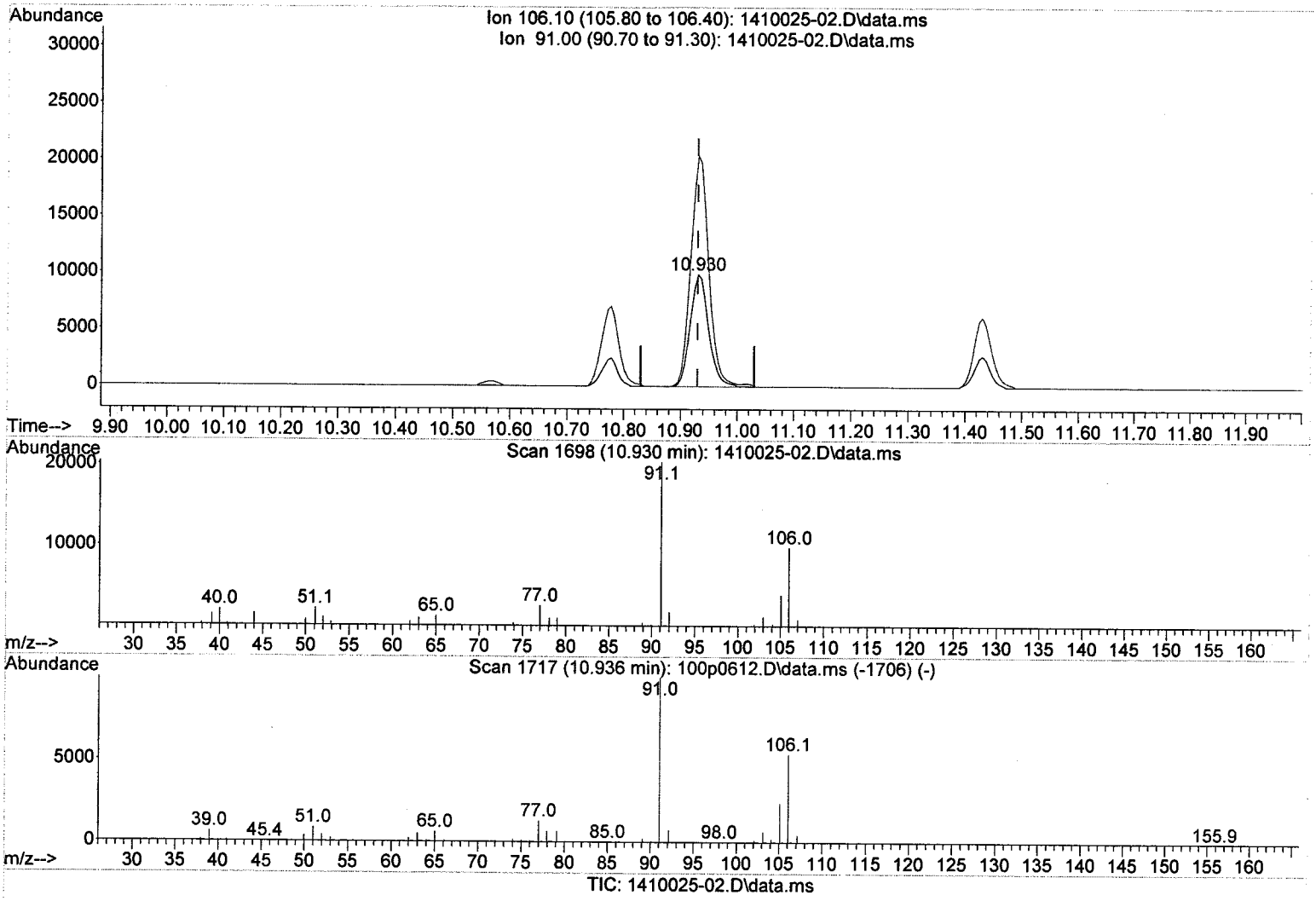
10.778min (+ 0.006) 0.74 ug/L

response 15066

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	31.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(60) m+p-xylene

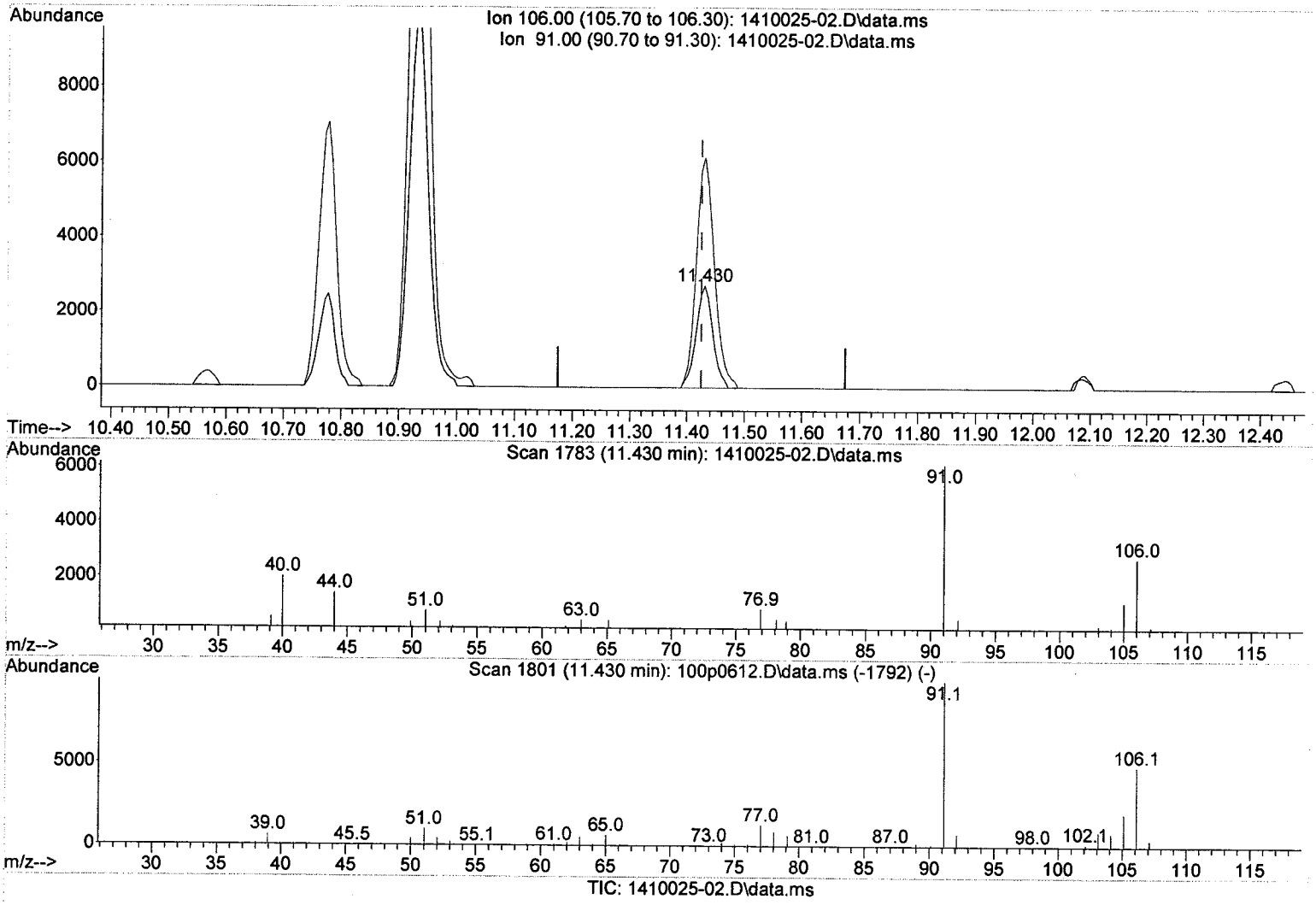
10.930min (+ 0.000) 2.98 ug/L

response 22293

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	201.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-02.D
Acq On : 10 Oct 2014 10:16
Operator : DLV
Sample : 1410025-02
Misc : AECOM
ALS Vial : 9 Sample Multiplier: 1
Quant Time: Oct 10 10:43:27 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 0.77 ug/L

response 5437

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	244.12#
0.00	0.00	0.00
0.00	0.00	0.00

001248

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB13-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-03 File ID: 1410025-03.D

Sampled: 09/30/14 10:34 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 10:39

Solids: 98.00 Preparation: 5035A Low Concentratio Initial/Final: 3.1 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	12	6.9	8.2	8.2	B
71-43-2	Benzene	1	0.82	0.26	0.82	1.6	U
108-86-1	Bromobenzene	1	0.82	0.22	0.82	1.6	U
74-97-5	Bromochloromethane	1	0.82	0.24	0.82	1.6	U
75-27-4	Bromodichloromethane	1	0.82	0.29	0.82	1.6	U
75-25-2	Bromoform	1	0.82	0.59	0.82	1.6	U
74-83-9	Bromomethane	1	0.82	0.54	0.82	1.6	U
104-51-8	n-Butylbenzene	1	0.82	0.43	0.82	1.6	U
135-98-8	sec-Butylbenzene	1	0.82	0.35	0.82	1.6	U
98-06-6	tert-Butylbenzene	1	0.82	0.27	0.82	1.6	U
75-15-0	Carbon Disulfide	1	0.82	0.38	0.82	1.6	U
56-23-5	Carbon Tetrachloride	1	0.82	0.54	0.82	1.6	U
108-90-7	Chlorobenzene	1	0.82	0.25	0.82	1.6	U
75-00-3	Chloroethane	1	1.6	0.83	1.6	1.6	U
67-66-3	Chloroform	1	0.82	0.23	0.82	1.6	U
74-87-3	Chloromethane	1	0.82	0.42	0.82	1.6	U
95-49-8	2-Chlorotoluene	1	0.82	0.48	0.82	1.6	U
106-43-4	4-Chlorotoluene	1	0.33	0.33	0.33	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.6	0.97	1.6	8.2	U
124-48-1	Dibromochloromethane	1	0.82	0.30	0.82	1.6	U
106-93-4	1,2-Dibromoethane	1	0.82	0.25	0.82	1.6	U
74-95-3	Dibromomethane	1	0.82	0.37	0.82	1.6	U
95-50-1	1,2-Dichlorobenzene	1	0.33	0.15	0.33	1.6	U
541-73-1	1,3-Dichlorobenzene	1	0.33	0.18	0.33	1.6	U
106-46-7	1,4-Dichlorobenzene	1	0.33	0.17	0.33	1.6	U
75-71-8	Dichlorodifluoromethane	1	0.82	0.24	0.82	1.6	U
75-34-3	1,1-Dichloroethane	1	0.82	0.35	0.82	1.6	U
107-06-2	1,2-Dichloroethane	1	0.82	0.37	0.82	1.6	U
75-35-4	1,1-Dichloroethene	1	0.82	0.50	0.82	1.6	U
156-59-2	cis-1,2-Dichloroethene	1	0.82	0.37	0.82	1.6	U
156-60-5	trans-1,2-Dichloroethene	1	0.82	0.45	0.82	1.6	U
78-87-5	1,2-Dichloropropane	1	0.82	0.28	0.82	1.6	U
142-28-9	1,3-Dichloropropane	1	0.82	0.23	0.82	1.6	U
594-20-7	2,2-Dichloropropane	1	0.82	0.38	0.82	1.6	U
563-58-6	1,1-Dichloropropene	1	0.82	0.46	0.82	1.6	U
10061-01-5	cis-1,3-Dichloropropene	1	0.33	0.19	0.33	1.6	U
10061-02-6	trans-1,3-Dichloropropene	1	0.82	0.20	0.82	1.6	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB13-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-03 File ID: 1410025-03.D

Sampled: 09/30/14 10:34 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 10:39

Solids: 98.00 Preparation: 5035A Low Concentratio Initial/Final: 3.1 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	1.2	0.31	0.82	1.6	J
87-68-3	Hexachlorobutadiene	1	0.82	0.34	0.82	1.6	U
591-78-6	2-Hexanone	1	0.82	0.79	0.82	8.2	U
98-82-8	Isopropylbenzene	1	0.33	0.18	0.33	1.6	U
99-87-6	4-Isopropyltoluene	1	0.82	0.39	0.82	1.6	U
75-09-2	Methylene Chloride	1	1.6	0.77	1.6	8.2	U
78-93-3	2-Butanone (MEK)	1	8.2	1.8	8.2	8.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.82	0.64	0.82	8.2	U
91-20-3	Naphthalene	1	0.82	0.26	0.82	8.2	U
103-65-1	n-Propylbenzene	1	0.82	0.19	0.82	1.6	U
100-42-5	Styrene	1	0.33	0.33	0.33	1.6	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.82	0.24	0.82	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.82	0.24	0.82	1.6	U
127-18-4	Tetrachloroethene	1	0.82	0.28	0.82	1.6	U
108-88-3	Toluene	1	1.5	0.16	0.33	1.6	J
87-61-6	1,2,3-Trichlorobenzene	1	0.82	0.47	0.82	1.6	U
120-82-1	1,2,4-Trichlorobenzene	1	0.82	0.28	0.82	1.6	U
71-55-6	1,1,1-Trichloroethane	1	0.82	0.24	0.82	1.6	U
79-00-5	1,1,2-Trichloroethane	1	0.82	0.35	0.82	1.6	U
79-01-6	Trichloroethene	1	0.82	0.40	0.82	1.6	U
75-69-4	Trichlorofluoromethane	1	0.82	0.28	0.82	1.6	U
96-18-4	1,2,3-Trichloropropane	1	0.82	0.38	0.82	1.6	U
95-63-6	1,2,4-Trimethylbenzene	1	0.82	0.19	0.82	1.6	U
108-67-8	1,3,5-Trimethylbenzene	1	0.82	0.32	0.82	1.6	U
75-01-4	Vinyl Chloride	1	0.82	0.33	0.82	1.6	U
179601-23-1	Xylene, Meta + Para	1	4.7	0.24	0.66	3.3	
95-47-6	Xylene, Ortho	1	1.5	0.18	0.33	1.6	J

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.5	106	78 - 119	
1,2-Dichloroethane-d4	40.0	43.2	108	71 - 136	
Toluene-d8	40.0	39.7	99	85 - 116	
4-Bromofluorobenzene	40.0	39.2	98	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	494270	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB13-20

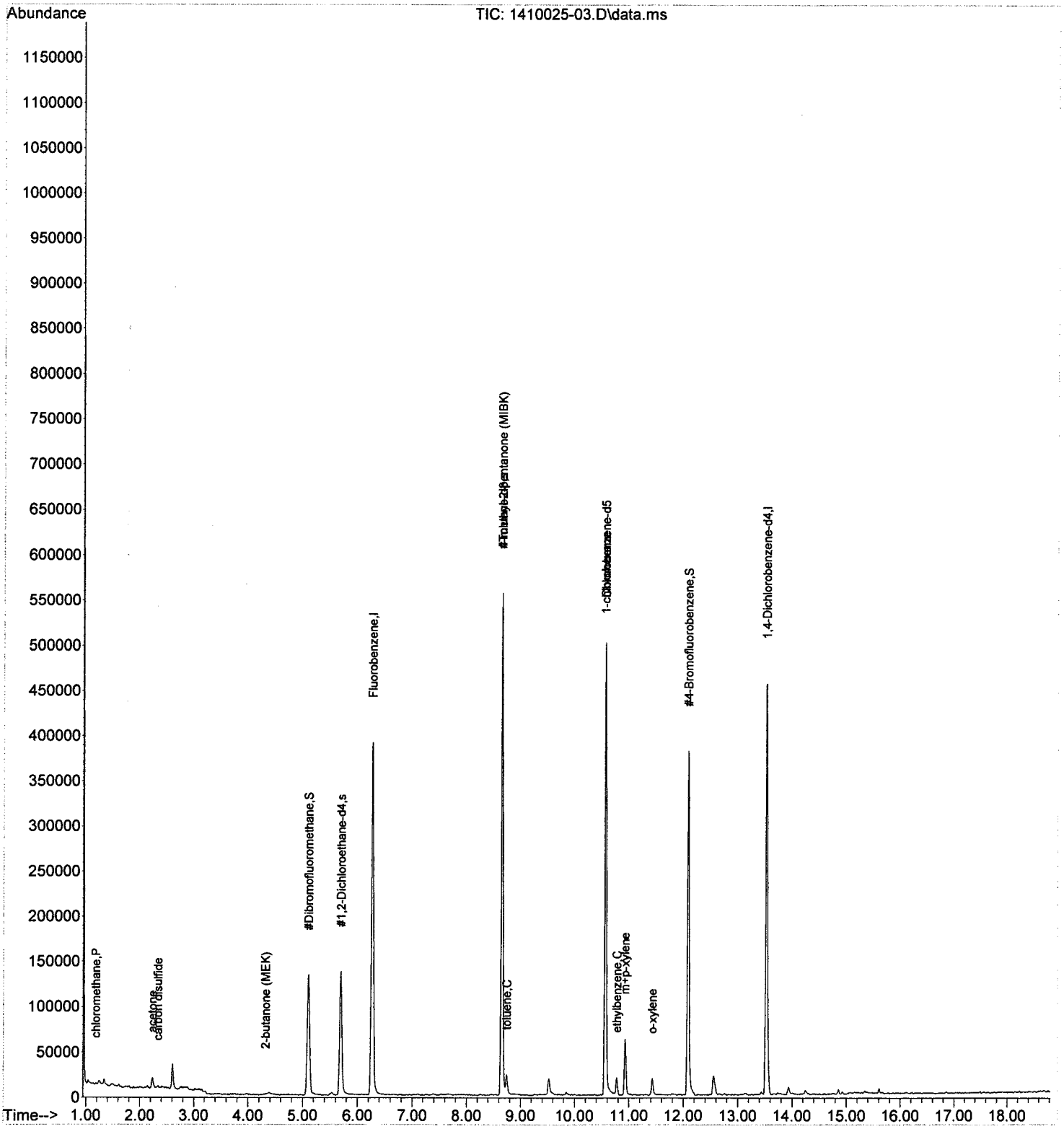
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-03
File ID: 1410025-03.D
Sampled: 09/30/14 10:34
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 10:39
Solids: 98.00
Preparation: 5035A Low Concentratio
Initial/Final: 3.1 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	351971	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	166781	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-03.D
Acq On : 10 Oct 2014 10:39
Operator : DLV
Sample : 1410025-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 10 11:20:54 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001250

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-03.D
Acq On : 10 Oct 2014 10:39
Operator : DLV
Sample : 1410025-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 10 11:20:54 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.272	96	494270	40.00 ug/L	0.00
50) Chlorobenzene-d5	10.566	117	351971	40.00 ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	166781	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	5.107	111	130461	42.52 ug/L	0.00
Spiked Amount 40.000			Recovery = 106.30%		
37) #1,2-Dichloroethane-d4	5.695	67	77791	43.18 ug/L	0.00
Spiked Amount 40.000			Recovery = 107.95%		
46) #Toluene-d8	8.654	98	474568	39.71 ug/L	0.00
Spiked Amount 40.000			Recovery = 99.28%		
64) #4-Bromofluorobenzene	12.083	95	170900	39.24 ug/L	0.00
Spiked Amount 40.000			Recovery = 98.10%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.	
3) chloromethane	1.184	50	1678	~~0.26~~ ug/L #	42
4) vinyl chloride	0.000		0	N.D.	
5) bromomethane	0.000		0	N.D.	
6) chloroethane	0.000		0	N.D.	
7) dichlorofluoromethane	0.000		0	N.D.	
8) trichlorofluoromethane	0.000		0	N.D.	
9) ethyl ether	0.000		0	N.D.	
10) acrolein	0.000		0	N.D.	
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.	
12) 1,1-dichloroethene	0.000		0	N.D.	
13) acetone	2.231	43	17290	7.22 ug/L	90
14) iodomethane	0.000		0	N.D.	
15) carbon disulfide	2.337	76	2266	~~0.23~~ ug/L #	75
16) methyl acetate	0.000		0	N.D.	
17) methylene chloride	2.607	49	15561	Below Cal	98
18) acrylonitrile	0.000		0	N.D.	
19) trans-1,2-dichloroethene	0.000		0	N.D.	
20) methyl (tert) butyl ether	0.000		0	N.D.	
21) 1,1-dichloroethane	0.000		0	N.D.	
22) vinyl acetate	0.000		0	N.D.	
23) 2,2-dichloropropane	0.000		0	N.D.	
24) cis-1,2-dichloroethene	0.000		0	N.D.	
25) 2-butanone (MEK)	4.319	43	2504	~~1.29~~ ug/L #	48
26) bromochloromethane	0.000		0	N.D.	
27) tetrahydrofuran	0.000		0	N.D.	
28) chloroform	0.000		0	N.D.	
30) 1,1,1-trichloroethane	0.000		0	N.D.	
31) cyclohexane	0.000		0	N.D.	
32) carbon tetrachloride	0.000		0	N.D.	
33) 1,1-dichloropropene	0.000		0	N.D.	
34) benzene	0.000		0	N.D.	
35) 1,2-dichloroethane	0.000		0	N.D.	
36) heptane	0.000		0	N.D.	
38) trichloroethene	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

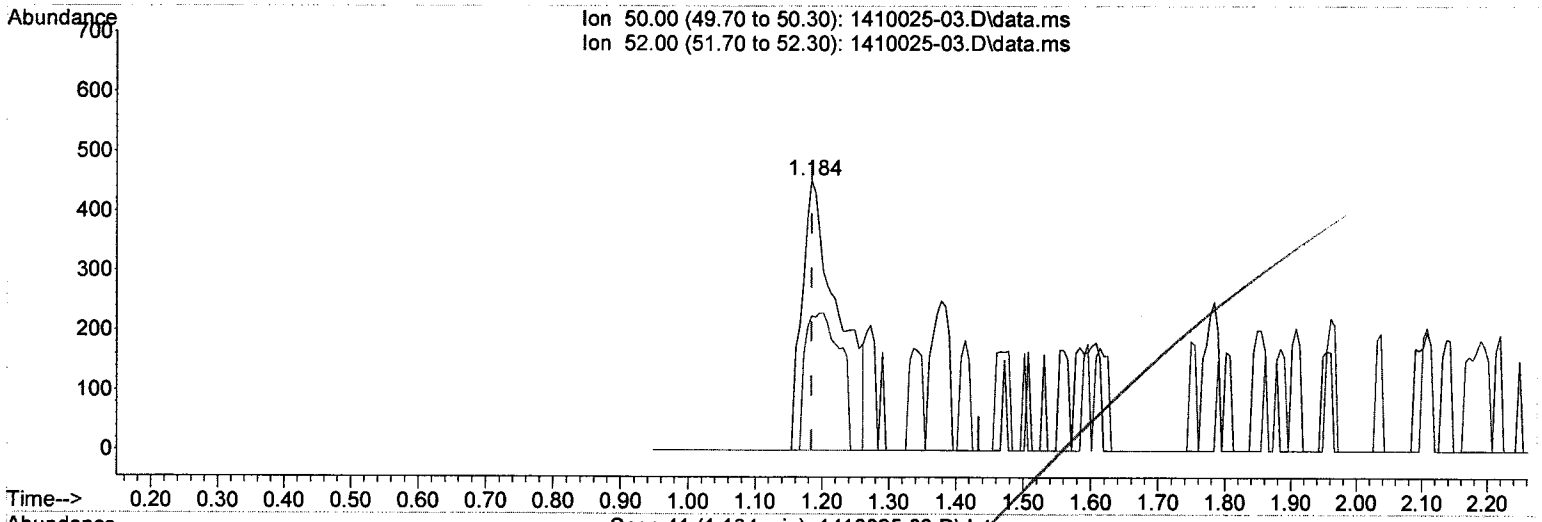
InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-03.D
Acq On : 10 Oct 2014 10:39
Operator : DLV
Sample : 1410025-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 10 11:20:54 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

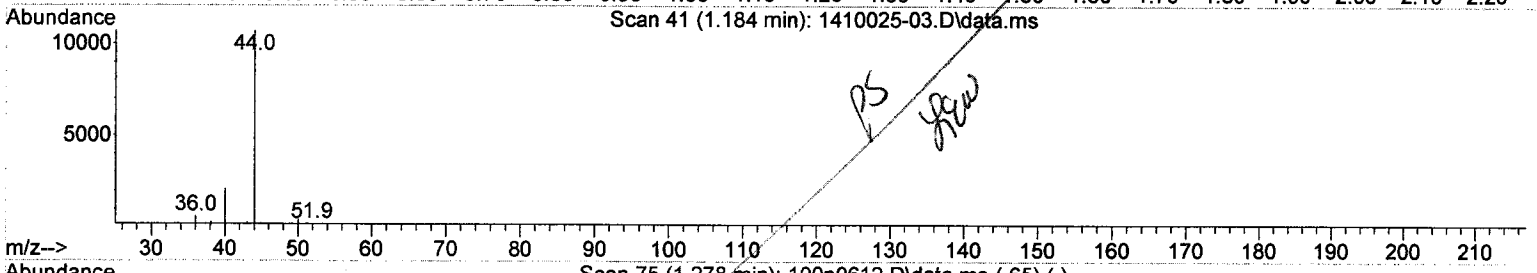
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	8.654	43	1894	0.50 ug/L #	1
47) toluene	8.742	91	17196	0.93 ug/L	94
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	3154	0.66 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.777	91	15853	0.75 ug/L	99
60) m+p-xylene	10.930	106	22211	2.85 ug/L	96
61) o-xylene	11.430	106	6752	0.91 ug/L	92
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

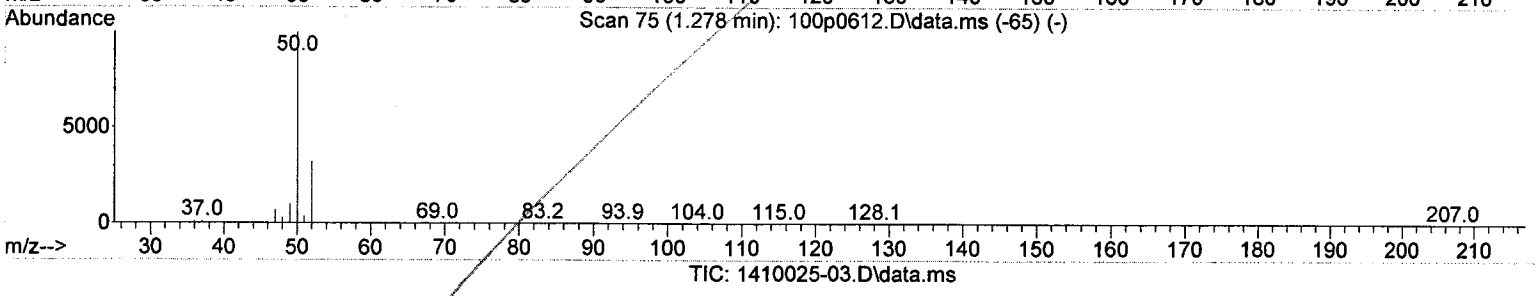
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-03.D
Acq On : 10 Oct 2014 10:39
Operator : DLV
Sample : 1410025-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 10 11:20:54 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410025-03.D\data.ms

(3) chloromethane (P)

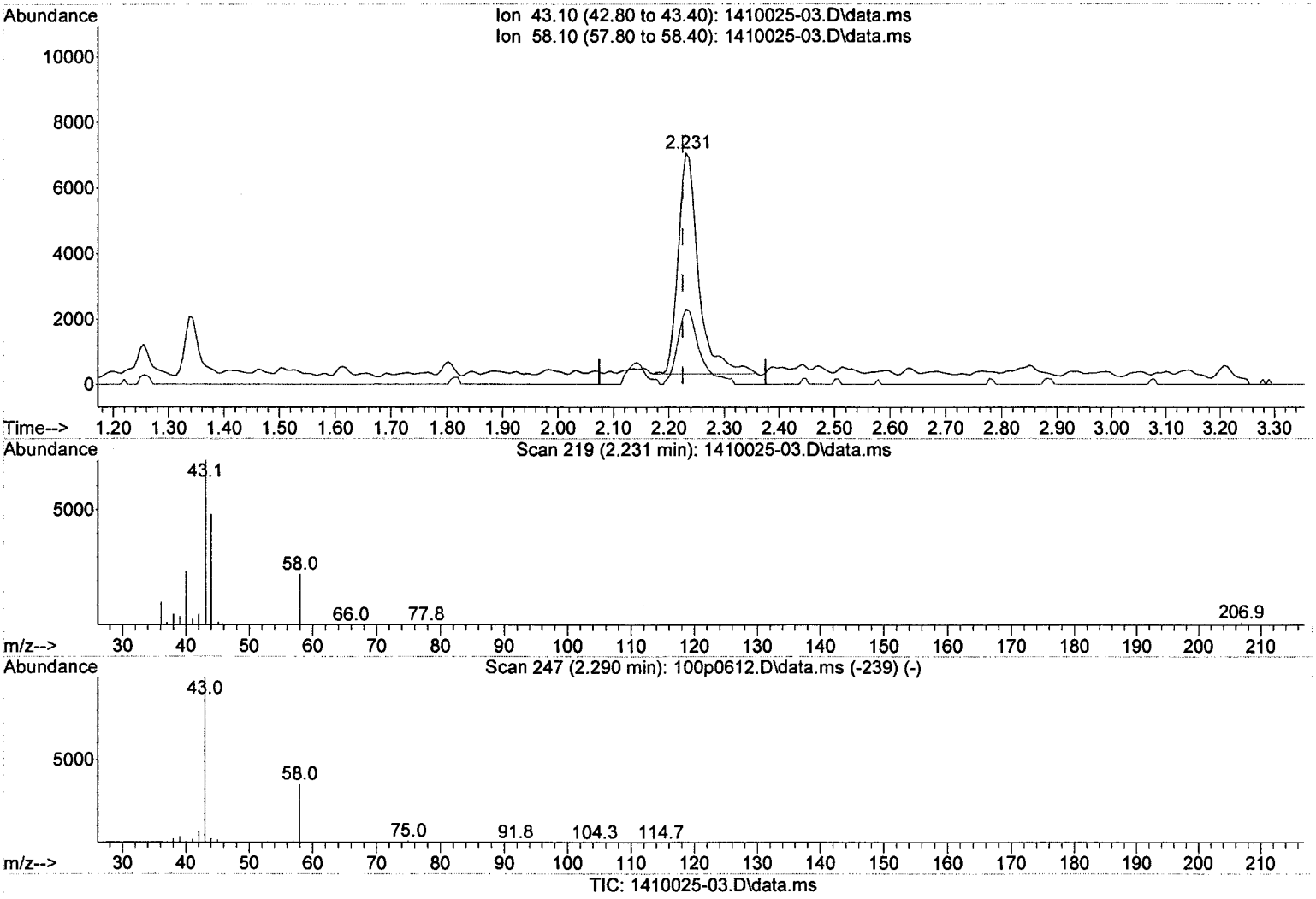
1.184min (-0.000) 0.26 ug/L

response 1678

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-03.D
Acq On : 10 Oct 2014 10:39
Operator : DLV
Sample : 1410025-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 10 11:20:54 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-03.D\data.ms

(13) acetone

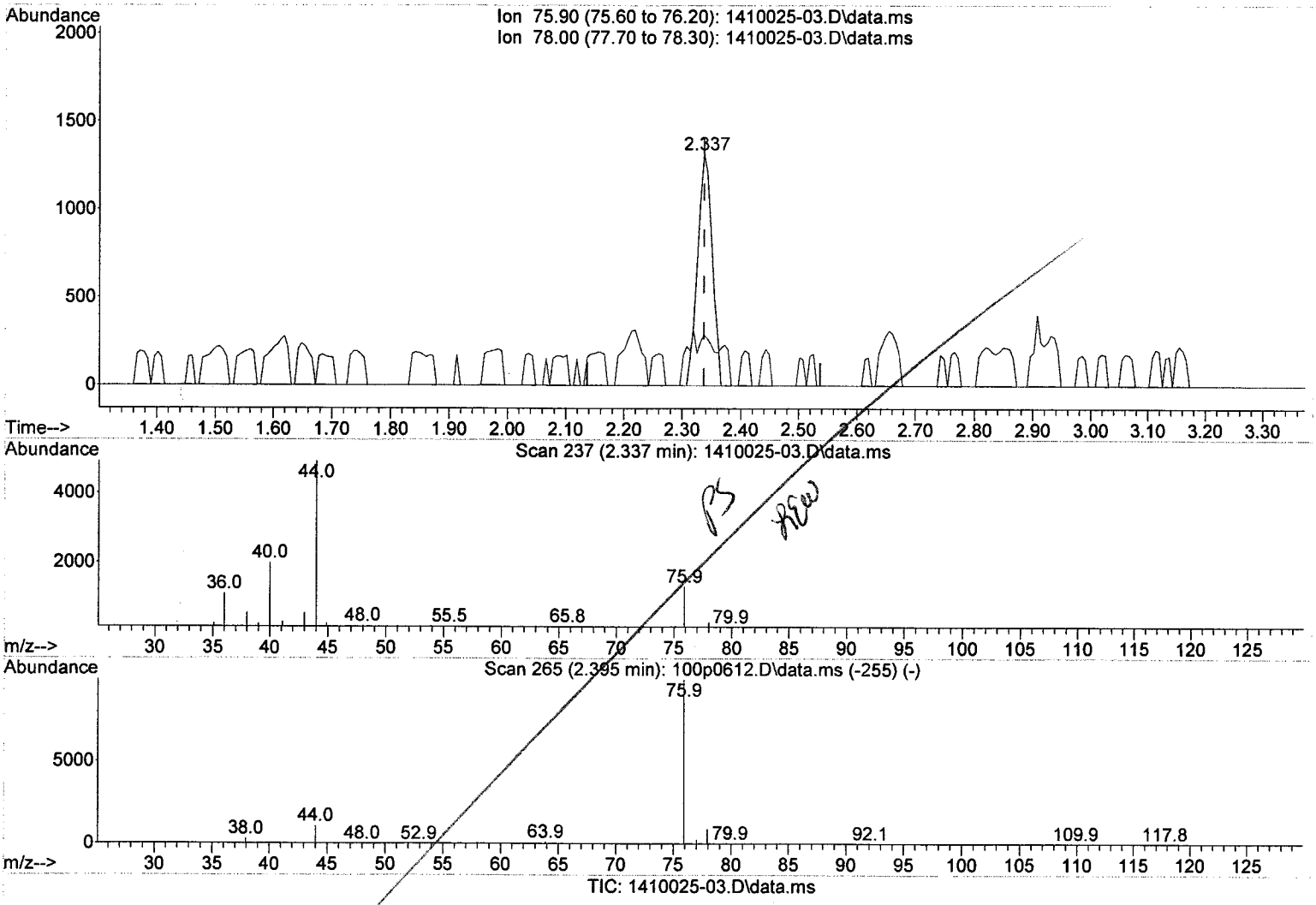
2.231min (+ 0.006) 7.22 ug/L

response 17290

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	36.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-03.D
Acq On : 10 Oct 2014 10:39
Operator : DLV
Sample : 1410025-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 10 11:20:54 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(15) carbon disulfide

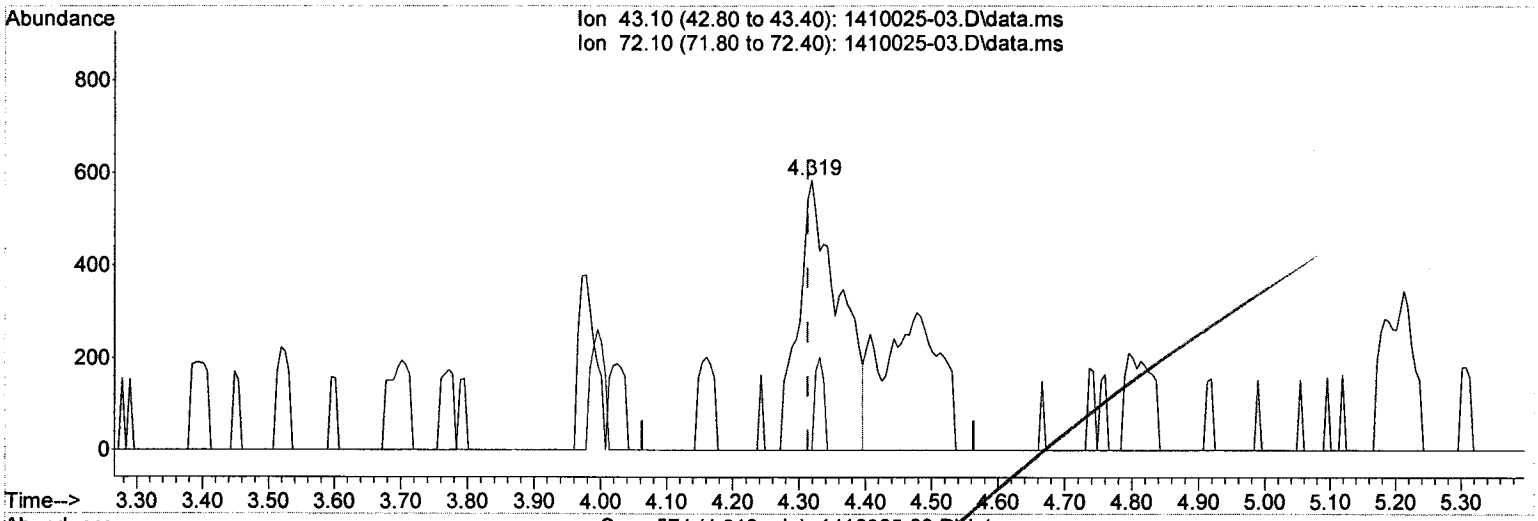
2.337min (-0.000) 0.23 ug/L

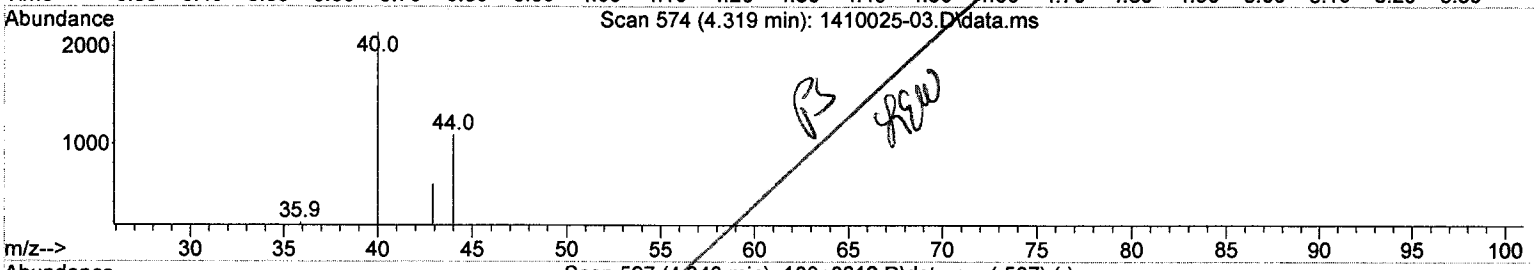
response 2266

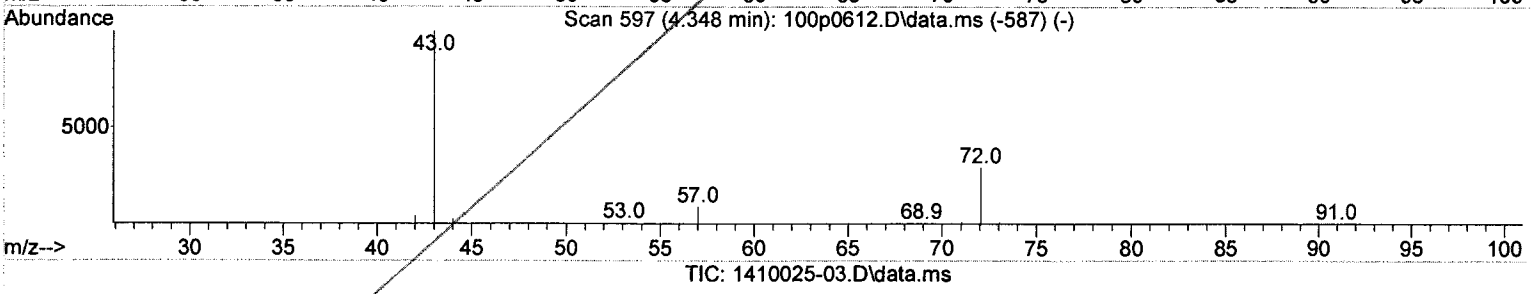
Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-03.D
Acq On : 10 Oct 2014 10:39
Operator : DLV
Sample : 1410025-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 10 11:20:54 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







(25) 2-butanone (MEK)

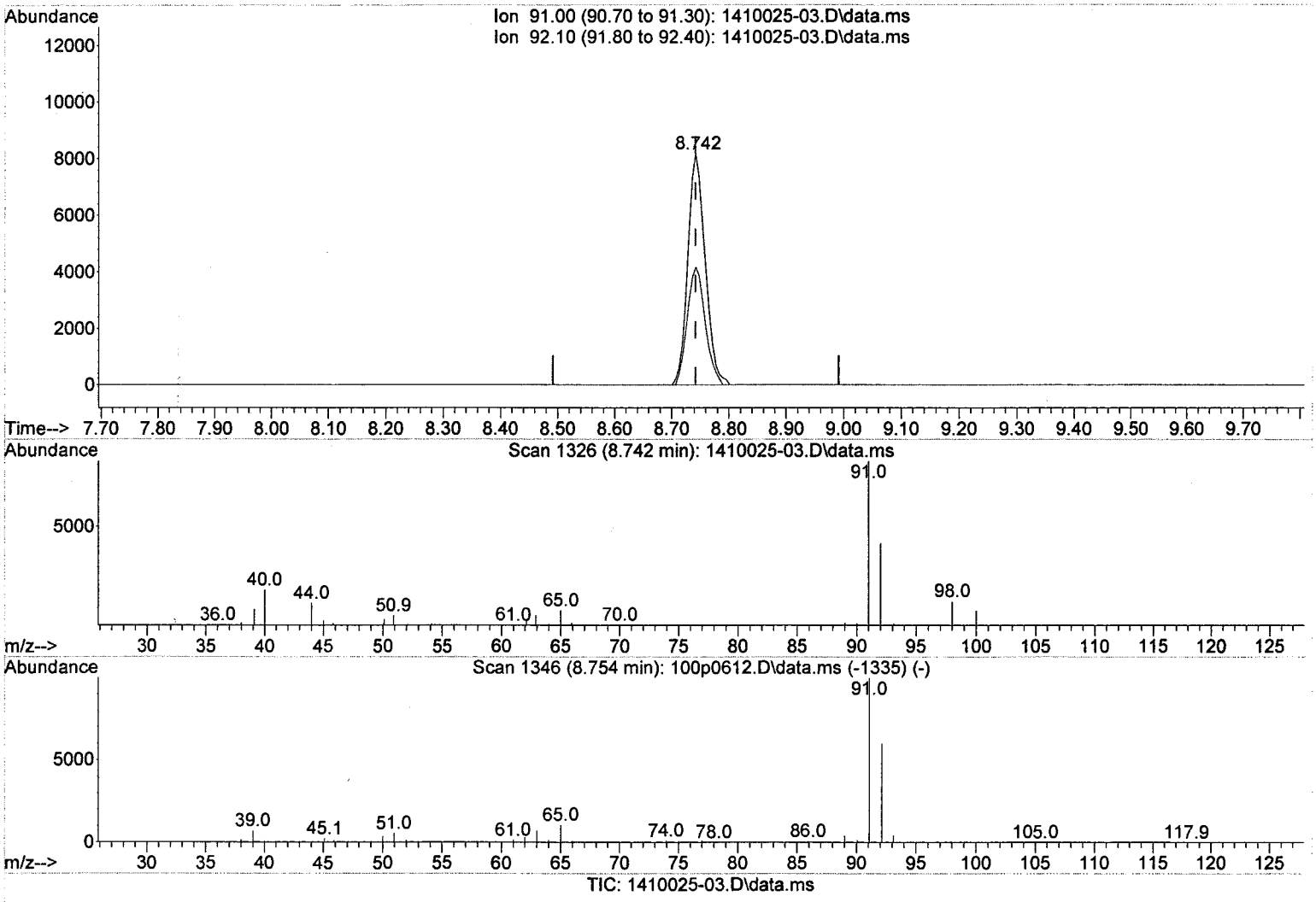
4.319min (+ 0.006) 1.29 ug/L

response 2504

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-03.D
Acq On : 10 Oct 2014 10:39
Operator : DLV
Sample : 1410025-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 10 11:20:54 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(47) toluene (C)

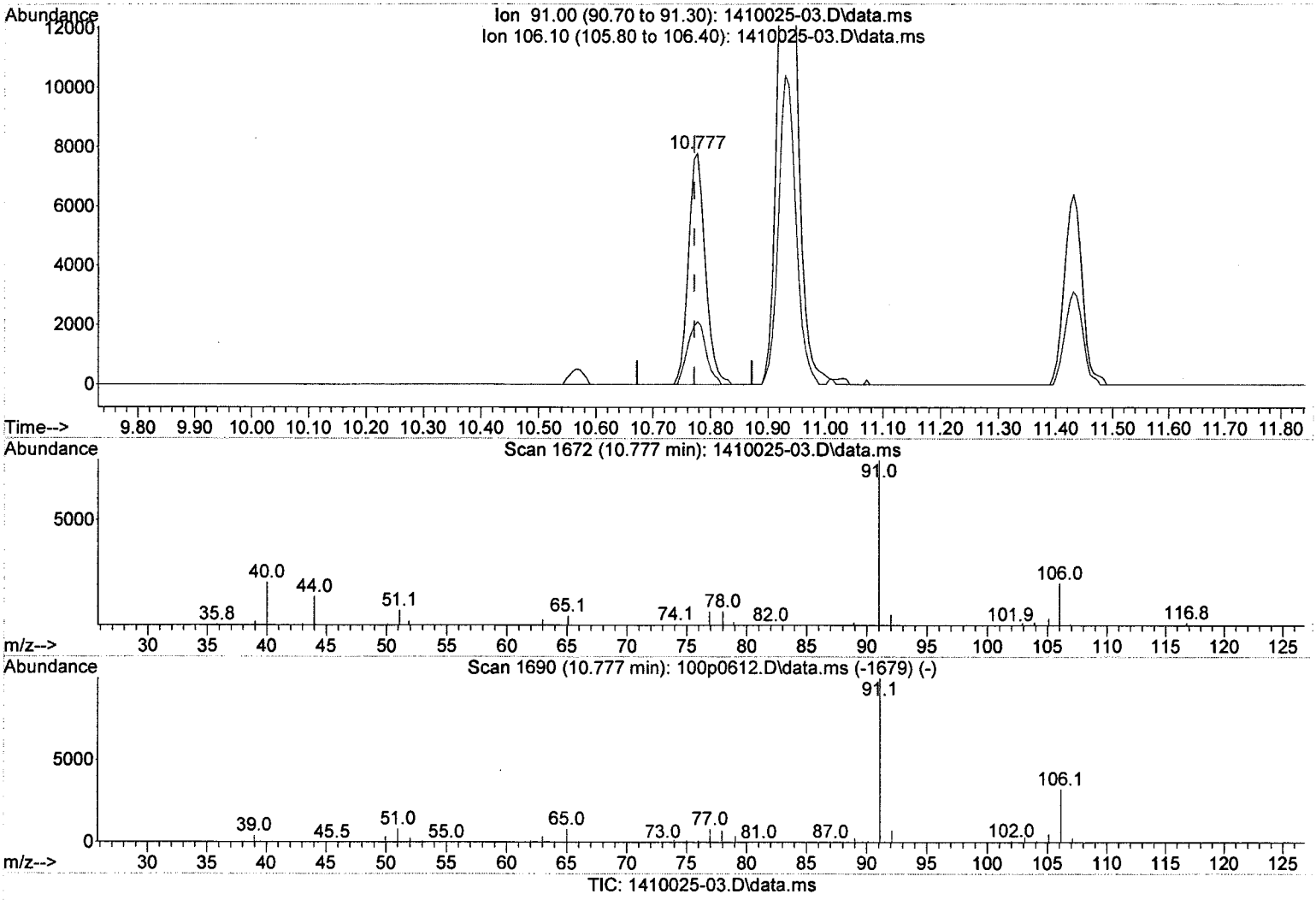
8.742min (+ 0.000) 0.93 ug/L

response 17196

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	52.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-03.D
Acq On : 10 Oct 2014 10:39
Operator : DLV
Sample : 1410025-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 10 11:20:54 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-03.D\data.ms

(59) ethylbenzene (C)

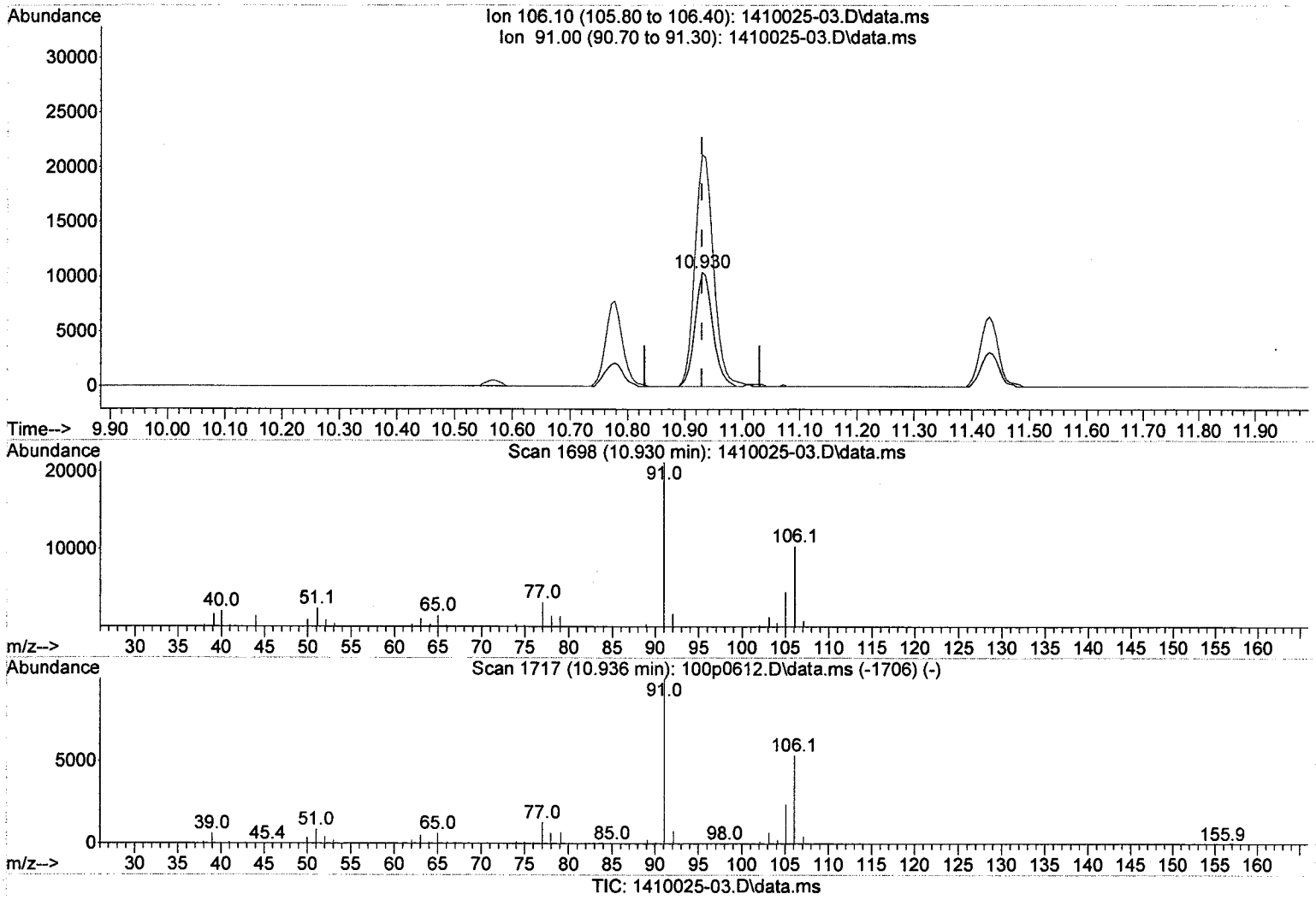
10.777min (+ 0.005) 0.75 ug/L

response 15853

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	29.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-03.D
Acq On : 10 Oct 2014 10:39
Operator : DLV
Sample : 1410025-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 10 11:20:54 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-03.D\data.ms

(60) m+p-xylene

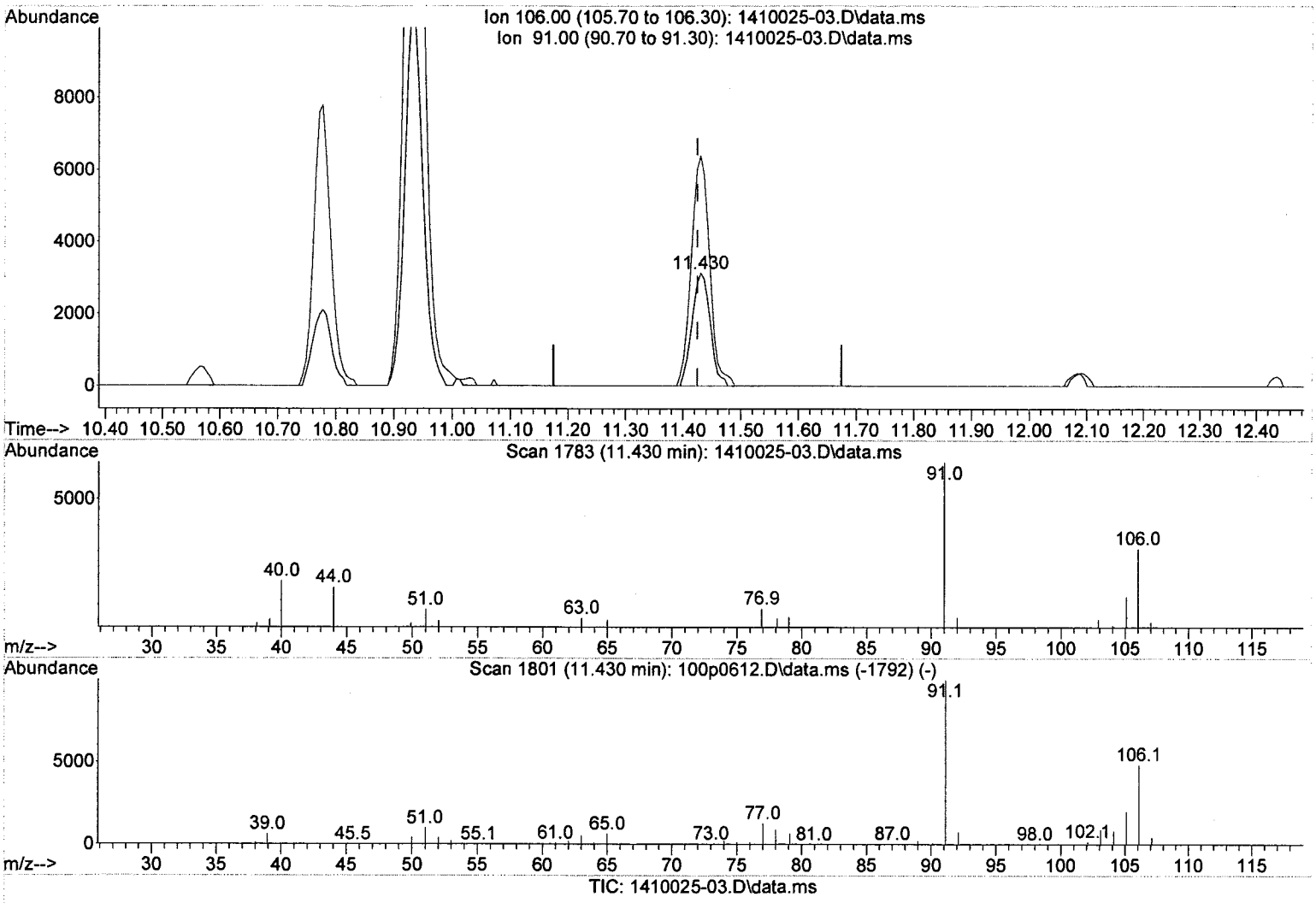
10.930min (+ 0.000) 2.85 ug/L

response 22211

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	213.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-03.D
Acq On : 10 Oct 2014 10:39
Operator : DLV
Sample : 1410025-03
Misc : AECOM
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 10 11:20:54 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-03.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 0.91 ug/L

response 6752

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	206.95
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB13-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-04 File ID: 1410025-04.D

Sampled: 09/30/14 10:57 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 11:01

Solids: 97.63 Preparation: 5035A Low Concentratio Initial/Final: 4.1 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	11	5.2	6.2	6.2	B
71-43-2	Benzene	1	0.62	0.20	0.62	1.2	U
108-86-1	Bromobenzene	1	0.62	0.17	0.62	1.2	U
74-97-5	Bromochloromethane	1	0.62	0.18	0.62	1.2	U
75-27-4	Bromodichloromethane	1	0.62	0.22	0.62	1.2	U
75-25-2	Bromoform	1	0.62	0.45	0.62	1.2	U
74-83-9	Bromomethane	1	0.62	0.41	0.62	1.2	U
104-51-8	n-Butylbenzene	1	0.62	0.32	0.62	1.2	U
135-98-8	sec-Butylbenzene	1	0.62	0.27	0.62	1.2	U
98-06-6	tert-Butylbenzene	1	0.62	0.21	0.62	1.2	U
75-15-0	Carbon Disulfide	1	0.62	0.29	0.62	1.2	U
56-23-5	Carbon Tetrachloride	1	0.62	0.41	0.62	1.2	U
108-90-7	Chlorobenzene	1	0.62	0.19	0.62	1.2	U
75-00-3	Chloroethane	1	1.2	0.63	1.2	1.2	U
67-66-3	Chloroform	1	0.62	0.18	0.62	1.2	U
74-87-3	Chloromethane	1	0.62	0.32	0.62	1.2	U
95-49-8	2-Chlorotoluene	1	0.62	0.36	0.62	1.2	U
106-43-4	4-Chlorotoluene	1	0.25	0.25	0.25	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.2	0.74	1.2	6.2	U
124-48-1	Dibromochloromethane	1	0.62	0.23	0.62	1.2	U
106-93-4	1,2-Dibromoethane	1	0.62	0.19	0.62	1.2	U
74-95-3	Dibromomethane	1	0.62	0.28	0.62	1.2	U
95-50-1	1,2-Dichlorobenzene	1	0.25	0.12	0.25	1.2	U
541-73-1	1,3-Dichlorobenzene	1	0.25	0.13	0.25	1.2	U
106-46-7	1,4-Dichlorobenzene	1	0.25	0.13	0.25	1.2	U
75-71-8	Dichlorodifluoromethane	1	0.62	0.18	0.62	1.2	U
75-34-3	1,1-Dichloroethane	1	0.62	0.26	0.62	1.2	U
107-06-2	1,2-Dichloroethane	1	0.62	0.28	0.62	1.2	U
75-35-4	1,1-Dichloroethene	1	0.62	0.38	0.62	1.2	U
156-59-2	cis-1,2-Dichloroethene	1	0.62	0.28	0.62	1.2	U
156-60-5	trans-1,2-Dichloroethene	1	0.62	0.34	0.62	1.2	U
78-87-5	1,2-Dichloropropane	1	0.62	0.21	0.62	1.2	U
142-28-9	1,3-Dichloropropane	1	0.62	0.18	0.62	1.2	U
594-20-7	2,2-Dichloropropane	1	0.62	0.29	0.62	1.2	U
563-58-6	1,1-Dichloropropene	1	0.62	0.35	0.62	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1	0.25	0.14	0.25	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1	0.62	0.15	0.62	1.2	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB13-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-04 File ID: 1410025-04.D

Sampled: 09/30/14 10:57 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 11:01

Solids: 97.63 Preparation: 5035A Low Concentratio Initial/Final: 4.1 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.90	0.23	0.62	1.2	**J**
87-68-3	Hexachlorobutadiene	1	0.62	0.26	0.62	1.2	U
591-78-6	2-Hexanone	1	0.62	0.60	0.62	6.2	U
98-82-8	Isopropylbenzene	1	0.25	0.14	0.25	1.2	U
99-87-6	4-Isopropyltoluene	1	0.62	0.30	0.62	1.2	U
75-09-2	Methylene Chloride	1	1.2	0.58	1.2	6.2	U
78-93-3	2-Butanone (MEK)	1	6.2	1.4	6.2	6.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.62	0.48	0.62	6.2	U
91-20-3	Naphthalene	1	0.62	0.20	0.62	6.2	U
103-65-1	n-Propylbenzene	1	0.62	0.14	0.62	1.2	U
100-42-5	Styrene	1	0.25	0.25	0.25	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.62	0.18	0.62	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.62	0.18	0.62	1.2	U
127-18-4	Tetrachloroethene	1	0.62	0.21	0.62	1.2	U
108-88-3	Toluene	1	0.94	0.12	0.25	1.2	**J**
87-61-6	1,2,3-Trichlorobenzene	1	0.62	0.36	0.62	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1	0.62	0.21	0.62	1.2	U
71-55-6	1,1,1-Trichloroethane	1	0.62	0.18	0.62	1.2	U
79-00-5	1,1,2-Trichloroethane	1	0.62	0.27	0.62	1.2	U
79-01-6	Trichloroethene	1	0.62	0.30	0.62	1.2	U
75-69-4	Trichlorofluoromethane	1	0.62	0.21	0.62	1.2	U
96-18-4	1,2,3-Trichloropropane	1	0.62	0.28	0.62	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1	0.62	0.14	0.62	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1	0.62	0.24	0.62	1.2	U
75-01-4	Vinyl Chloride	1	0.62	0.25	0.62	1.2	U
179601-23-1	Xylene, Meta + Para	1	3.6	0.18	0.50	2.5	
95-47-6	Xylene, Ortho	1	1.1	0.14	0.25	1.2	**J**

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.4	106	78 - 119	
1,2-Dichloroethane-d4	40.0	42.8	107	71 - 136	
Toluene-d8	40.0	40.0	100	85 - 116	
4-Bromofluorobenzene	40.0	39.0	97	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	455721	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB13-34

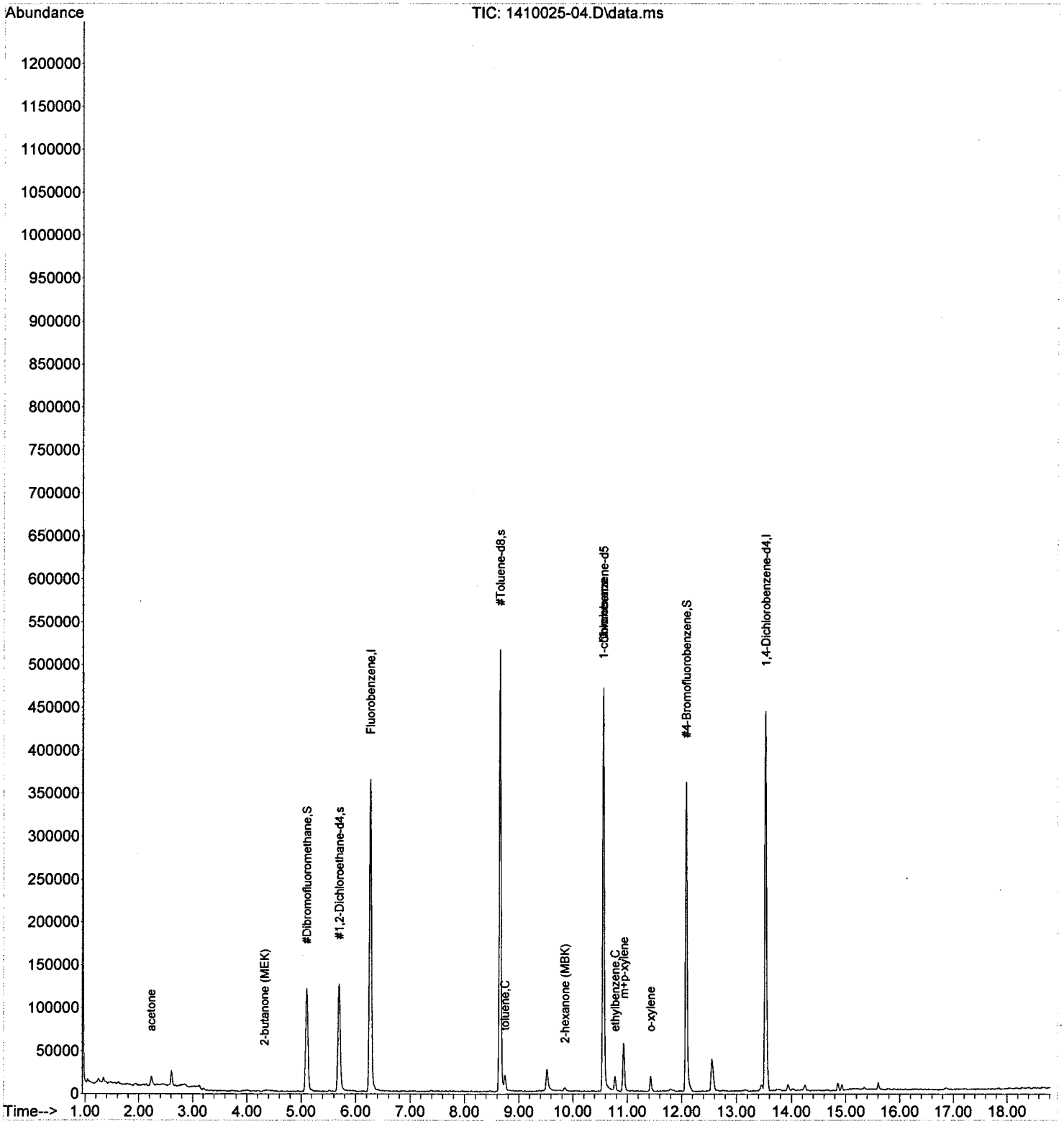
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-04
File ID: 1410025-04.D
Sampled: 09/30/14 10:57
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 11:01
Solids: 97.63
Preparation: 5035A Low Concentratio
Initial/Final: 4.1 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	333325	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	158187	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-04.D
Acq On : 10 Oct 2014 11:01
Operator : DLV
Sample : 1410025-04
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 10 11:21:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001264

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-04.D
Acq On : 10 Oct 2014 11:01
Operator : DLV
Sample : 1410025-04
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 10 11:21:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	455721	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	333325	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	158187	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	119832	42.36	ug/L	0.00
Spiked Amount 40.000			Recovery =	105.90%		
37) #1,2-Dichloroethane-d4	5.695	67	71184	42.85	ug/L	0.00
Spiked Amount 40.000			Recovery =	107.13%		
46) #Toluene-d8	8.654	98	440583	39.98	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.95%		
64) #4-Bromofluorobenzene	12.083	95	160810	38.98	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.45%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	17461	8.51	ug/L	97
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	10160	Below Cal		96
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	1747	0.98	ug/L #	48
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

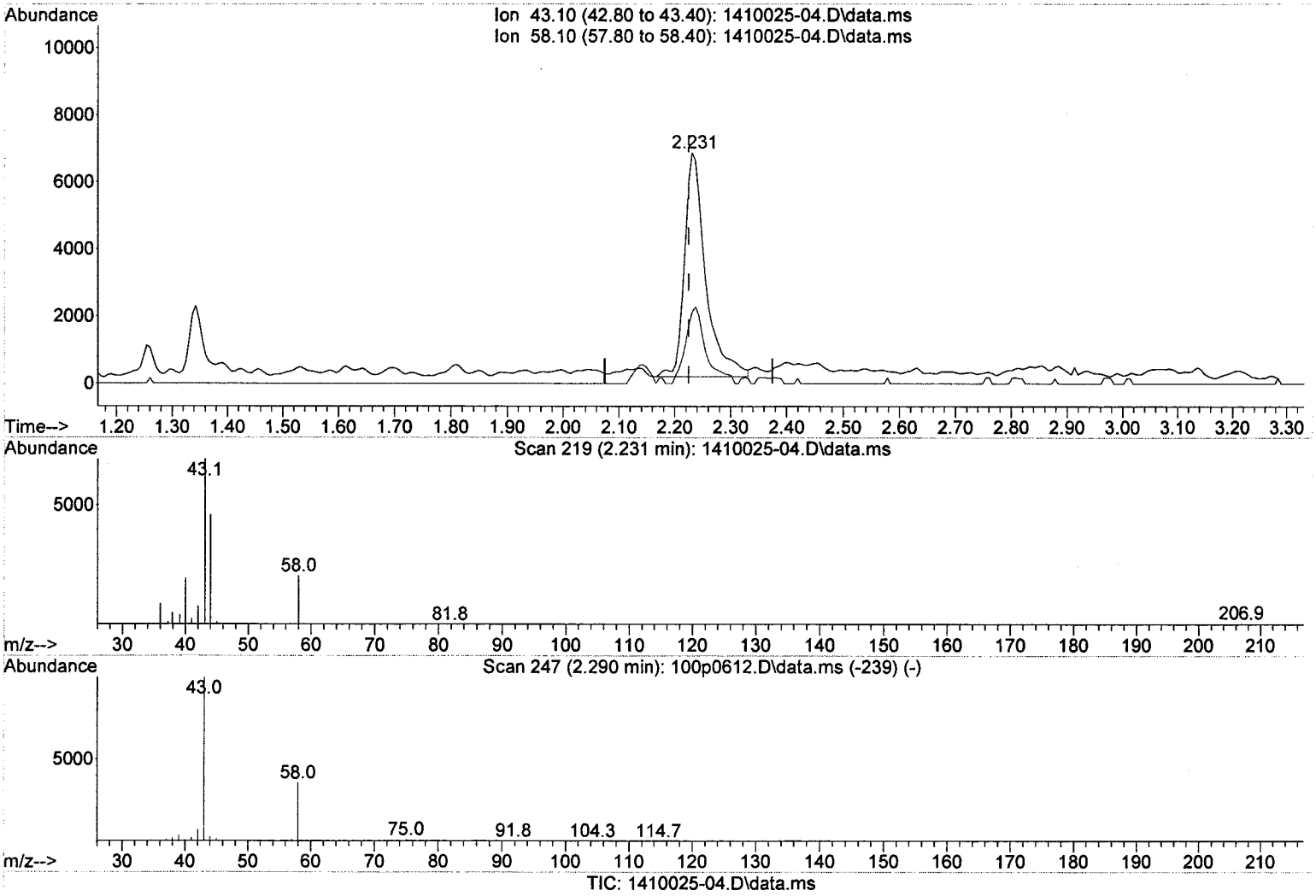
InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-04.D
Acq On : 10 Oct 2014 11:01
Operator : DLV
Sample : 1410025-04
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 10 11:21:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	0.000		0	N.D.			
40) 1,2-dichloropropane	0.000		0	N.D.			
41) dibromomethane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	0.000		0	N.D.			
45) 4-methyl-2-pentanone (...	0.000		0	N.D.			
47) toluene	8.742	91	12763	0.75	ug/L		96
48) trans-1,3-dichloropropene	0.000		0	N.D.			
49) 1,1,2-trichloroethane	0.000		0	N.D.			
51) tetrachloroethene	0.000		0	N.D.			
52) 1,3-dichloropropane	0.000		0	N.D.			
53) 2-hexanone (MBK)	9.854	43	1692	~~0.63~~	ug/L	#	12
54) dibromochloromethane	0.000		0	N.D.			
55) 1,2-dibromoethane	0.000		0	N.D.			
56) chlorobenzene	0.000		0	N.D.			
57) 1-chlorohexane	10.560	55	2418	0.53	ug/L	#	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59) ethylbenzene	10.777	91	14431	0.72	ug/L		95
60) m+p-xylene	10.936	106	21047	2.85	ug/L		97
61) o-xylene	11.430	106	6339	0.91	ug/L	#	87
62) styrene	0.000		0	N.D.			
63) bromoform	0.000		0	N.D.			
66) isopropylbenzene	0.000		0	N.D.			
67) bromobenzene	0.000		0	N.D.			
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69) 1,2,3-trichloropropane	0.000		0	N.D.			
70) 1,4-dichloro-2-butene	0.000		0	N.D.			
71) n-propylbenzene	0.000		0	N.D.			
72) 2-chlorotoluene	0.000		0	N.D.			
73) 1,3,5-trimethylbenzene	0.000		0	N.D.			
74) 4-chlorotoluene	0.000		0	N.D.			
75) tert-butylbenzene	0.000		0	N.D.			
76) 1,2,4-trimethylbenzene	0.000		0	N.D.			
77) sec-butylbenzene	0.000		0	N.D.			
78) 1,3-dichlorobenzene	0.000		0	N.D.			
79) 4-isopropyltoluene	0.000		0	N.D.			
80) 1,4-dichlorobenzene	0.000		0	N.D.			
81) 1,2-dichlorobenzene	0.000		0	N.D.			
82) n-butylbenzene	0.000		0	N.D.			
83) hexachloroethane	0.000		0	N.D.			
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85) 1,2,4-trichlorobenzene	0.000		0	N.D.			
86) hexachlorobutadiene	0.000		0	N.D.			
87) naphthalene	0.000		0	N.D.			
88) 1,2,3-trichlorobenzene	0.000		0	N.D.			
89) 2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-04.D
Acq On : 10 Oct 2014 11:01
Operator : DLV
Sample : 1410025-04
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 10 11:21:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-04.D\data.ms

(13) acetone

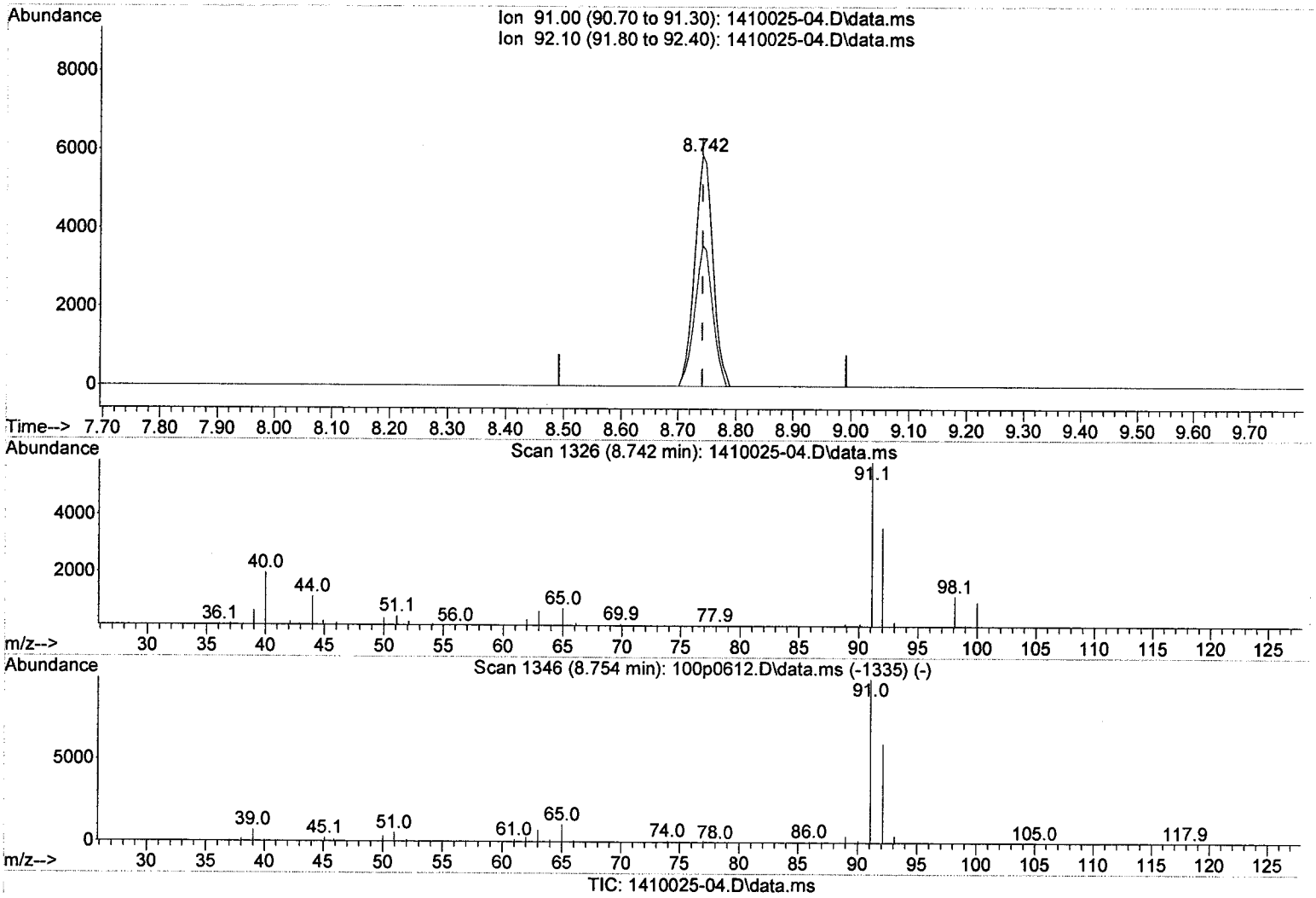
2.231min (+ 0.006) 8.51 ug/L

response 17461

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	33.01
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-04.D
Acq On : 10 Oct 2014 11:01
Operator : DLV
Sample : 1410025-04
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 10 11:21:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-04.D\data.ms

(47) toluene (C)

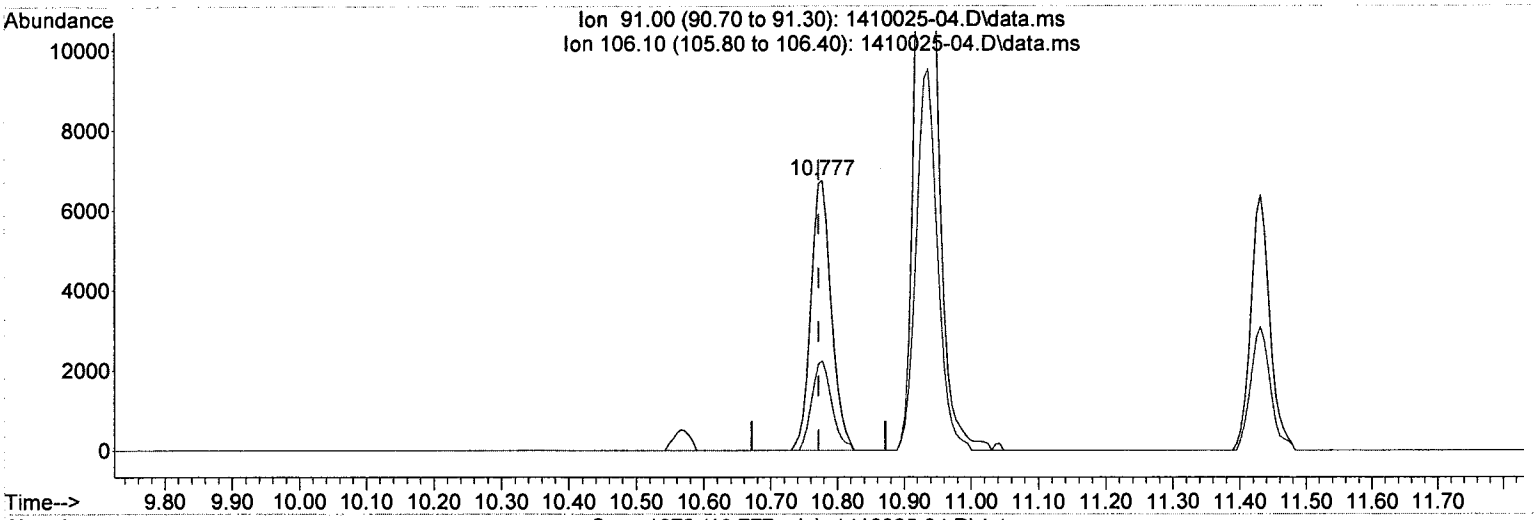
8.742min (+ 0.000) 0.75 ug/L

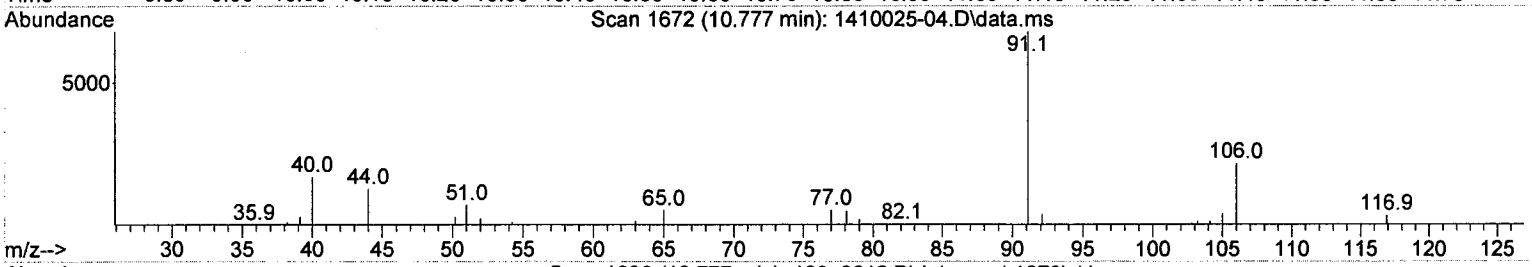
response 12763

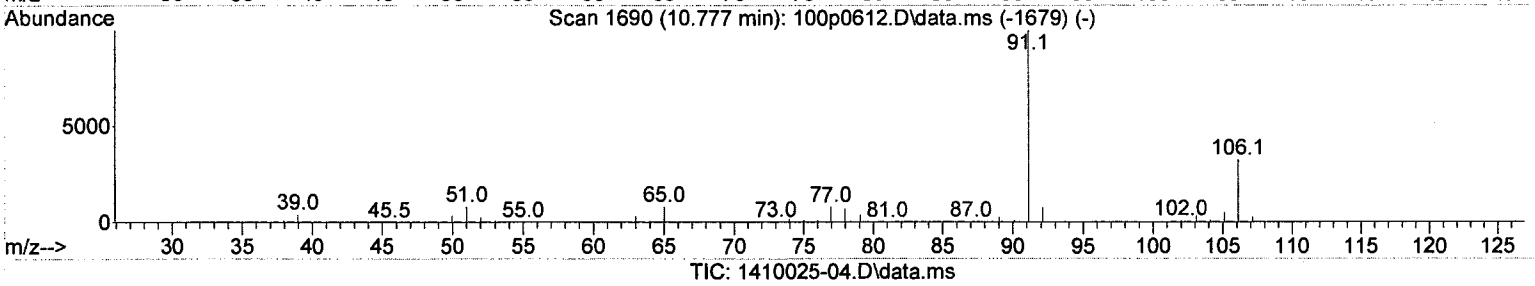
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	60.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-04.D
Acq On : 10 Oct 2014 11:01
Operator : DLV
Sample : 1410025-04
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 10 11:21:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410025-04.D\data.ms

(59) ethylbenzene (C)

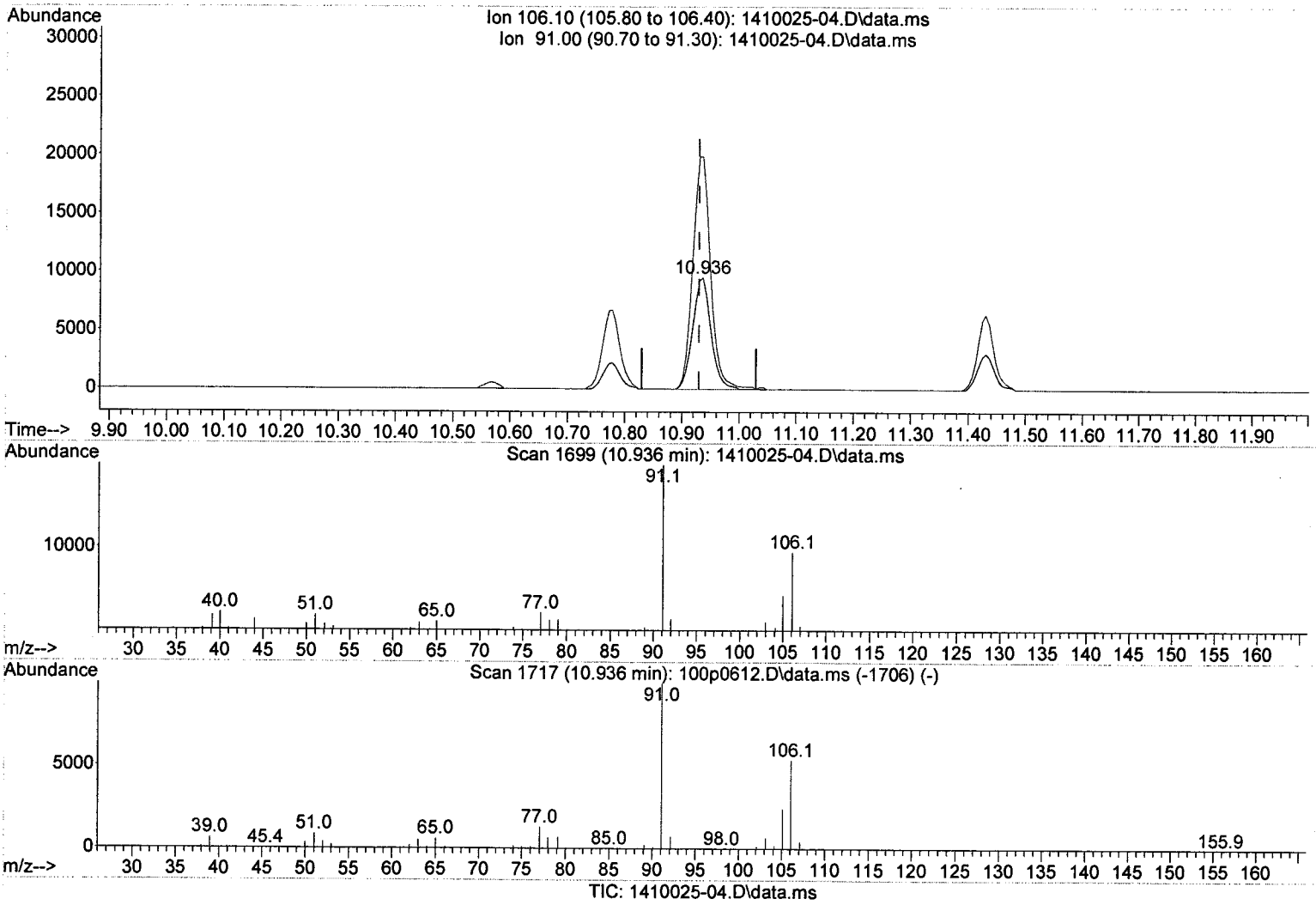
10.777min (+ 0.005) 0.72 ug/L

response 14431

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	32.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-04.D
Acq On : 10 Oct 2014 11:01
Operator : DLV
Sample : 1410025-04
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 10 11:21:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-04.D\data.ms

(60) m+p-xylene

10.936min (+ 0.006) 2.85 ug/L

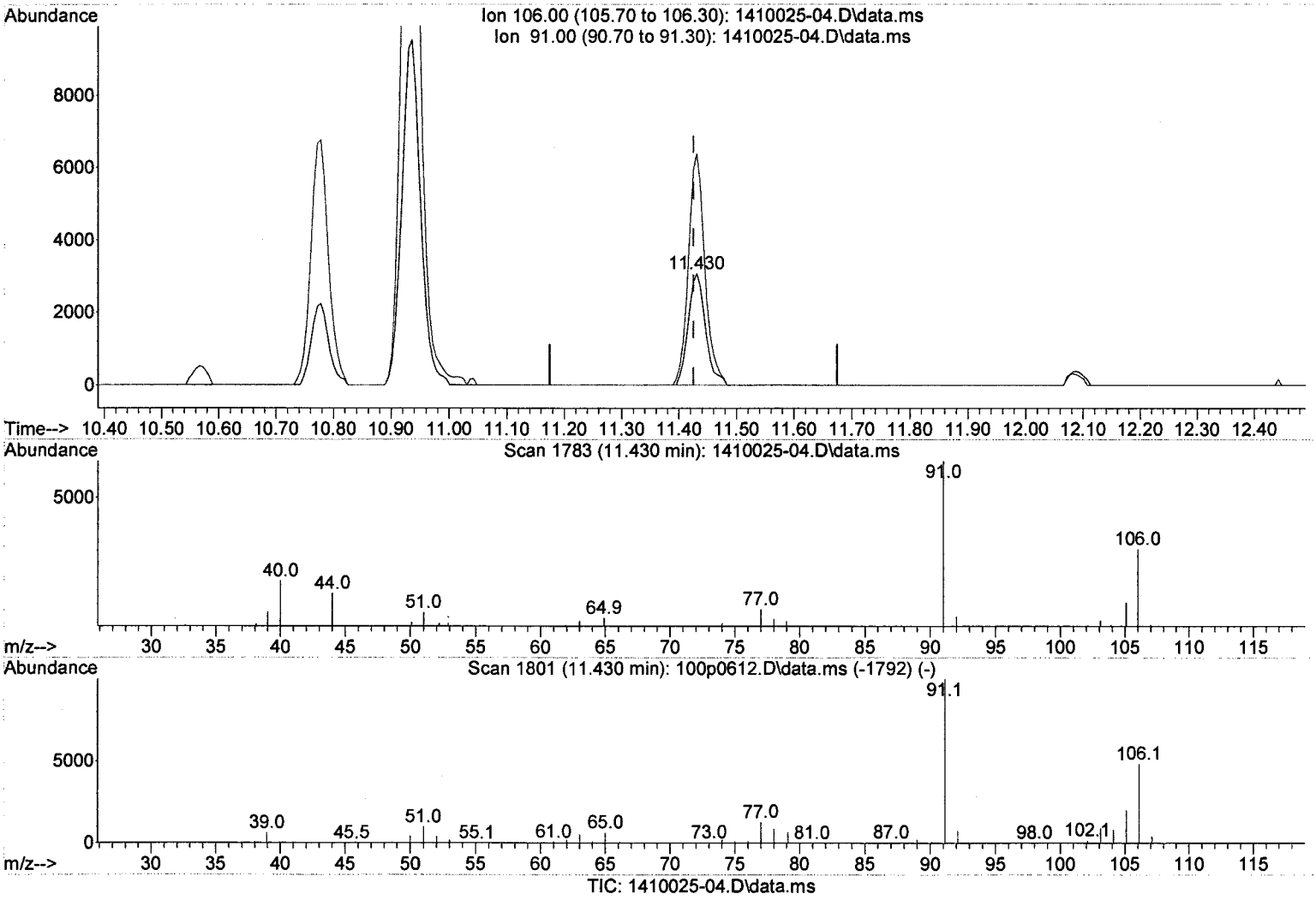
response 21047

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	202.53
0.00	0.00	0.00
0.00	0.00	0.00

001270

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-04.D
Acq On : 10 Oct 2014 11:01
Operator : DLV
Sample : 1410025-04
Misc : AECOM
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Oct 10 11:21:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-04.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 0.91 ug/L

response 6339

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	199.34#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB14-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-05 File ID: 1410025-05.D

Sampled: 09/30/14 12:59 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 11:24

Solids: 96.42 Preparation: 5035A Low Concentratio Initial/Final: 4.1 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	14	5.3	6.3	6.3	B
71-43-2	Benzene	1	0.63	0.20	0.63	1.3	U
108-86-1	Bromobenzene	1	0.63	0.17	0.63	1.3	U
74-97-5	Bromochloromethane	1	0.63	0.18	0.63	1.3	U
75-27-4	Bromodichloromethane	1	0.63	0.22	0.63	1.3	U
75-25-2	Bromoform	1	0.63	0.45	0.63	1.3	U
74-83-9	Bromomethane	1	0.63	0.41	0.63	1.3	U
104-51-8	n-Butylbenzene	1	0.63	0.33	0.63	1.3	U
135-98-8	sec-Butylbenzene	1	0.63	0.27	0.63	1.3	U
98-06-6	tert-Butylbenzene	1	0.63	0.21	0.63	1.3	U
75-15-0	Carbon Disulfide	1	0.63	0.29	0.63	1.3	U
56-23-5	Carbon Tetrachloride	1	0.63	0.41	0.63	1.3	U
108-90-7	Chlorobenzene	1	0.63	0.19	0.63	1.3	U
75-00-3	Chloroethane	1	1.3	0.64	1.3	1.3	U
67-66-3	Chloroform	1	0.63	0.18	0.63	1.3	U
74-87-3	Chloromethane	1	0.63	0.32	0.63	1.3	U
95-49-8	2-Chlorotoluene	1	0.63	0.37	0.63	1.3	U
106-43-4	4-Chlorotoluene	1	0.25	0.25	0.25	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.3	0.75	1.3	6.3	U
124-48-1	Dibromochloromethane	1	0.63	0.23	0.63	1.3	U
106-93-4	1,2-Dibromoethane	1	0.63	0.19	0.63	1.3	U
74-95-3	Dibromomethane	1	0.63	0.28	0.63	1.3	U
95-50-1	1,2-Dichlorobenzene	1	0.25	0.12	0.25	1.3	U
541-73-1	1,3-Dichlorobenzene	1	0.25	0.14	0.25	1.3	U
106-46-7	1,4-Dichlorobenzene	1	0.25	0.13	0.25	1.3	U
75-71-8	Dichlorodifluoromethane	1	0.63	0.18	0.63	1.3	U
75-34-3	1,1-Dichloroethane	1	0.63	0.27	0.63	1.3	U
107-06-2	1,2-Dichloroethane	1	0.63	0.29	0.63	1.3	U
75-35-4	1,1-Dichloroethene	1	0.63	0.39	0.63	1.3	U
156-59-2	cis-1,2-Dichloroethene	1	0.63	0.29	0.63	1.3	U
156-60-5	trans-1,2-Dichloroethene	1	0.63	0.34	0.63	1.3	U
78-87-5	1,2-Dichloropropane	1	0.63	0.22	0.63	1.3	U
142-28-9	1,3-Dichloropropane	1	0.63	0.18	0.63	1.3	U
594-20-7	2,2-Dichloropropane	1	0.63	0.29	0.63	1.3	U
563-58-6	1,1-Dichloropropene	1	0.63	0.35	0.63	1.3	U
10061-01-5	cis-1,3-Dichloropropene	1	0.25	0.14	0.25	1.3	U
10061-02-6	trans-1,3-Dichloropropene	1	0.63	0.15	0.63	1.3	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB14-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-05 File ID: 1410025-05.D

Sampled: 09/30/14 12:59 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 11:24

Solids: 96.42 Preparation: 5035A Low Concentratio Initial/Final: 4.1 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.96	0.24	0.63	1.3	J
87-68-3	Hexachlorobutadiene	1	0.63	0.26	0.63	1.3	U
591-78-6	2-Hexanone	1	0.63	0.61	0.63	6.3	U
98-82-8	Isopropylbenzene	1	0.25	0.14	0.25	1.3	U
99-87-6	4-Isopropyltoluene	1	0.63	0.30	0.63	1.3	U
75-09-2	Methylene Chloride	1	1.3	0.59	1.3	6.3	U
78-93-3	2-Butanone (MEK)	1	6.3	1.4	6.3	6.3	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.63	0.49	0.63	6.3	U
91-20-3	Naphthalene	1	0.63	0.20	0.63	6.3	U
103-65-1	n-Propylbenzene	1	0.63	0.15	0.63	1.3	U
100-42-5	Styrene	1	0.25	0.25	0.25	1.3	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.63	0.19	0.63	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.63	0.18	0.63	1.3	U
127-18-4	Tetrachloroethene	1	0.63	0.22	0.63	1.3	U
108-88-3	Toluene	1	1.1	0.13	0.25	1.3	J
87-61-6	1,2,3-Trichlorobenzene	1	0.63	0.36	0.63	1.3	U
120-82-1	1,2,4-Trichlorobenzene	1	0.63	0.22	0.63	1.3	U
71-55-6	1,1,1-Trichloroethane	1	5.4	0.18	0.63	1.3	
79-00-5	1,1,2-Trichloroethane	1	0.63	0.27	0.63	1.3	U
79-01-6	Trichloroethene	1	0.63	0.31	0.63	1.3	U
75-69-4	Trichlorofluoromethane	1	0.63	0.22	0.63	1.3	U
96-18-4	1,2,3-Trichloropropane	1	0.63	0.29	0.63	1.3	U
95-63-6	1,2,4-Trimethylbenzene	1	0.63	0.14	0.63	1.3	U
108-67-8	1,3,5-Trimethylbenzene	1	0.63	0.25	0.63	1.3	U
75-01-4	Vinyl Chloride	1	0.63	0.25	0.63	1.3	U
179601-23-1	Xylene, Meta + Para	1	3.7	0.18	0.51	2.5	
95-47-6	Xylene, Ortho	1	1.1	0.14	0.25	1.3	J

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	43.3	108	78 - 119	
1,2-Dichloroethane-d4	40.0	44.4	111	71 - 136	
Toluene-d8	40.0	39.7	99	85 - 116	
4-Bromofluorobenzene	40.0	38.4	96	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	454203	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB14-15

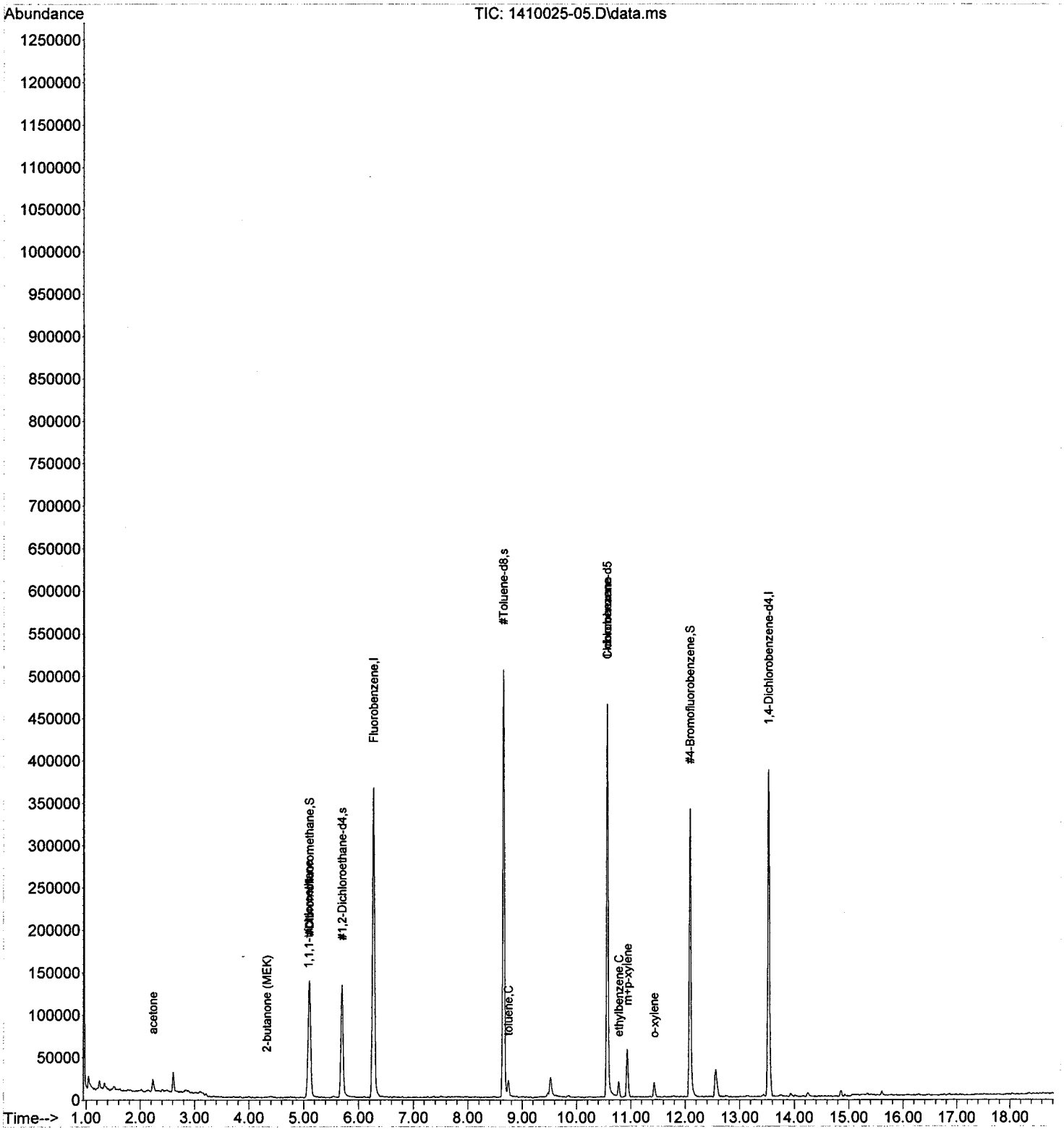
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-05
File ID: 1410025-05.D
Sampled: 09/30/14 12:59
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 11:24
Solids: 96.42
Preparation: 5035A Low Concentratio
Initial/Final: 4.1 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	320565	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	139296	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-05.D
Acq On : 10 Oct 2014 11:24
Operator : DLV
Sample : 1410025-05
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 10 11:43:29 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001275

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-05.D
Acq On : 10 Oct 2014 11:24
Operator : DLV
Sample : 1410025-05
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 10 11:43:29 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	454203	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	320565	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	139296	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	122089	43.30	ug/L	0.00
Spiked Amount 40.000			Recovery =	108.25%		
37) #1,2-Dichloroethane-d4	5.695	67	73584	44.44	ug/L	0.00
Spiked Amount 40.000			Recovery =	111.10%		
46) #Toluene-d8	8.654	98	435664	39.67	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.17%		
64) #4-Bromofluorobenzene	12.083	95	152263	38.38	ug/L	0.00
Spiked Amount 40.000			Recovery =	95.95%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	20308	10.98	ug/L	94
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	13763	Below Cal		96
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	2871	~~4.61~~	ug/L #	48
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	5.090	97	22581	4.26	ug/L	94
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-05.D
Acq On : 10 Oct 2014 11:24
Operator : DLV
Sample : 1410025-05
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 10 11:43:29 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

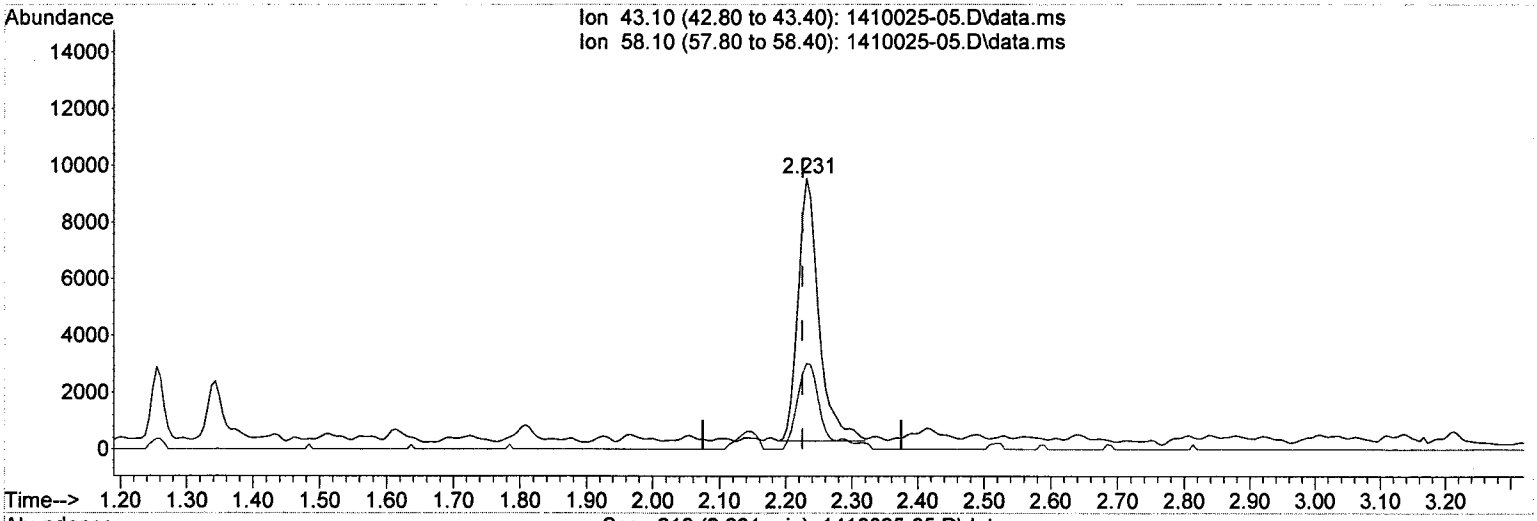
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	8.742	91	15065	0.89	ug/L	96
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	0.000		0	N.D.		
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.566	55	2950	0.68	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	10.778	91	14668	0.76	ug/L	100
60) m+p-xylene	10.936	106	20664	2.91	ug/L	97
61) o-xylene	11.430	106	5739	0.85	ug/L	90
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	0.000		0	N.D.		
78) 1,3-dichlorobenzene	0.000		0	N.D.		
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	0.000		0	N.D.		
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

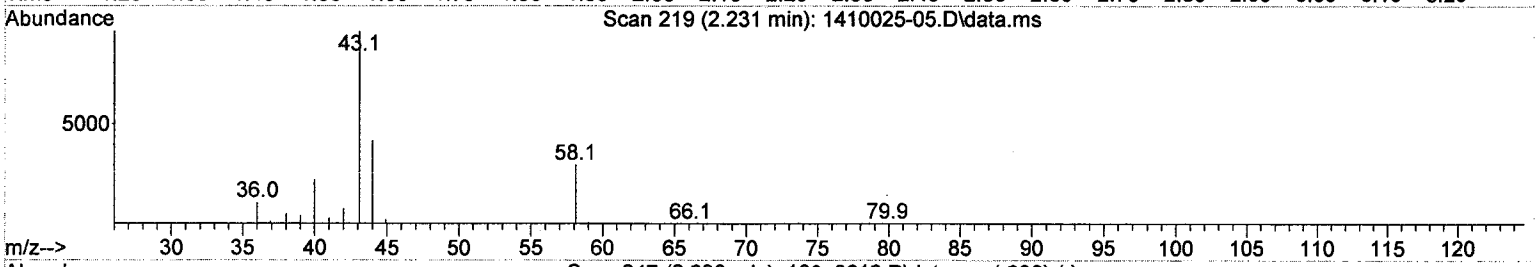
(#) = qualifier out of range (m) = manual integration (+) = signals summed

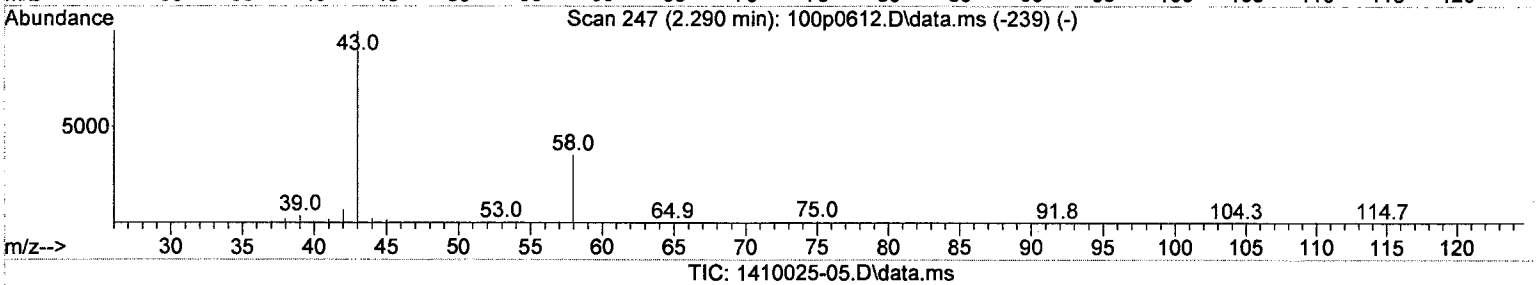
001277

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-05.D
Acq On : 10 Oct 2014 11:24
Operator : DLV
Sample : 1410025-05
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 10 11:43:29 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410025-05.D\data.ms

(13) acetone

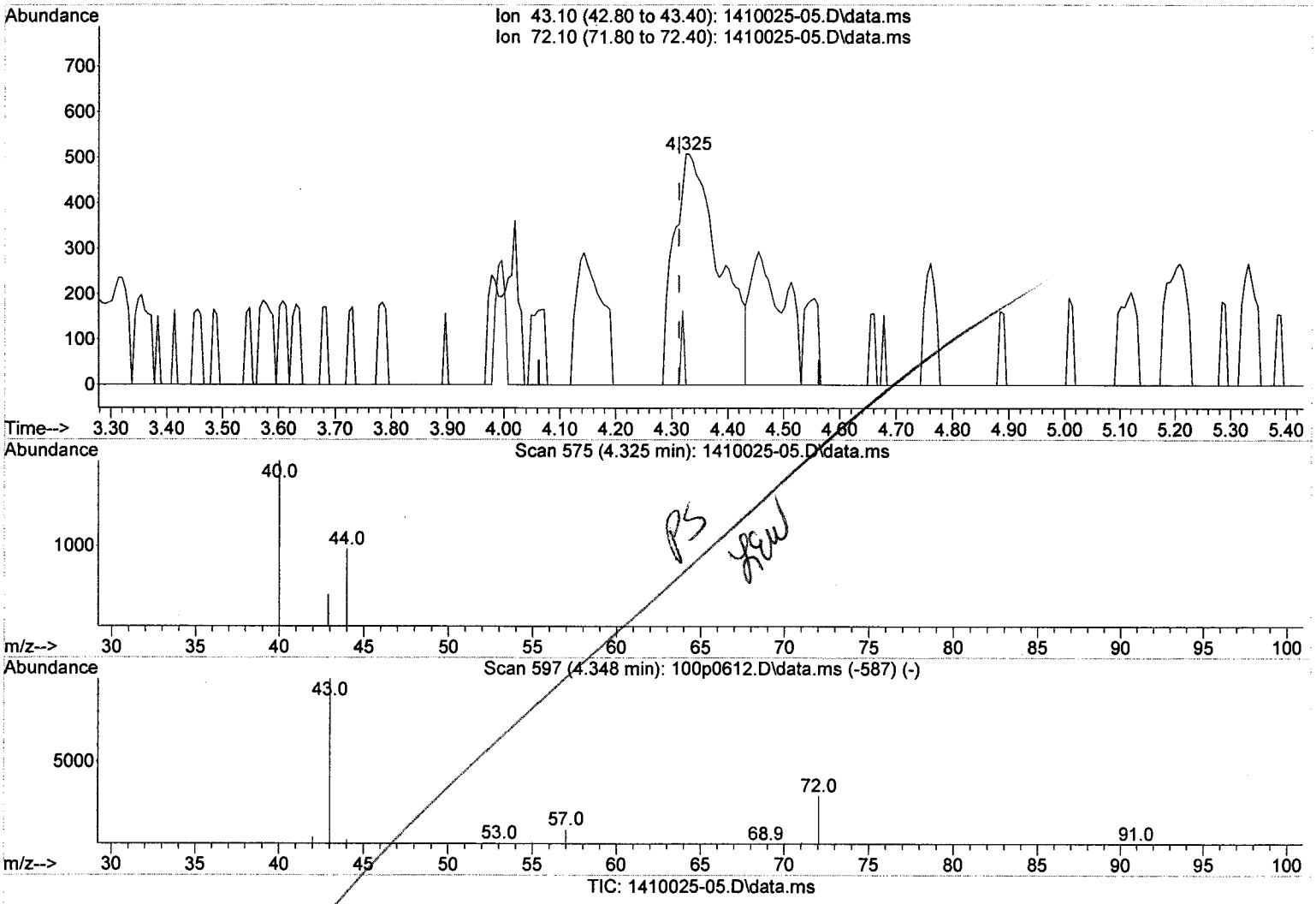
2.231min (+ 0.006) 10.98 ug/L

response 20308

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	34.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-05.D
Acq On : 10 Oct 2014 11:24
Operator : DLV
Sample : 1410025-05
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 10 11:43:29 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(25) 2-butanone (MEK)

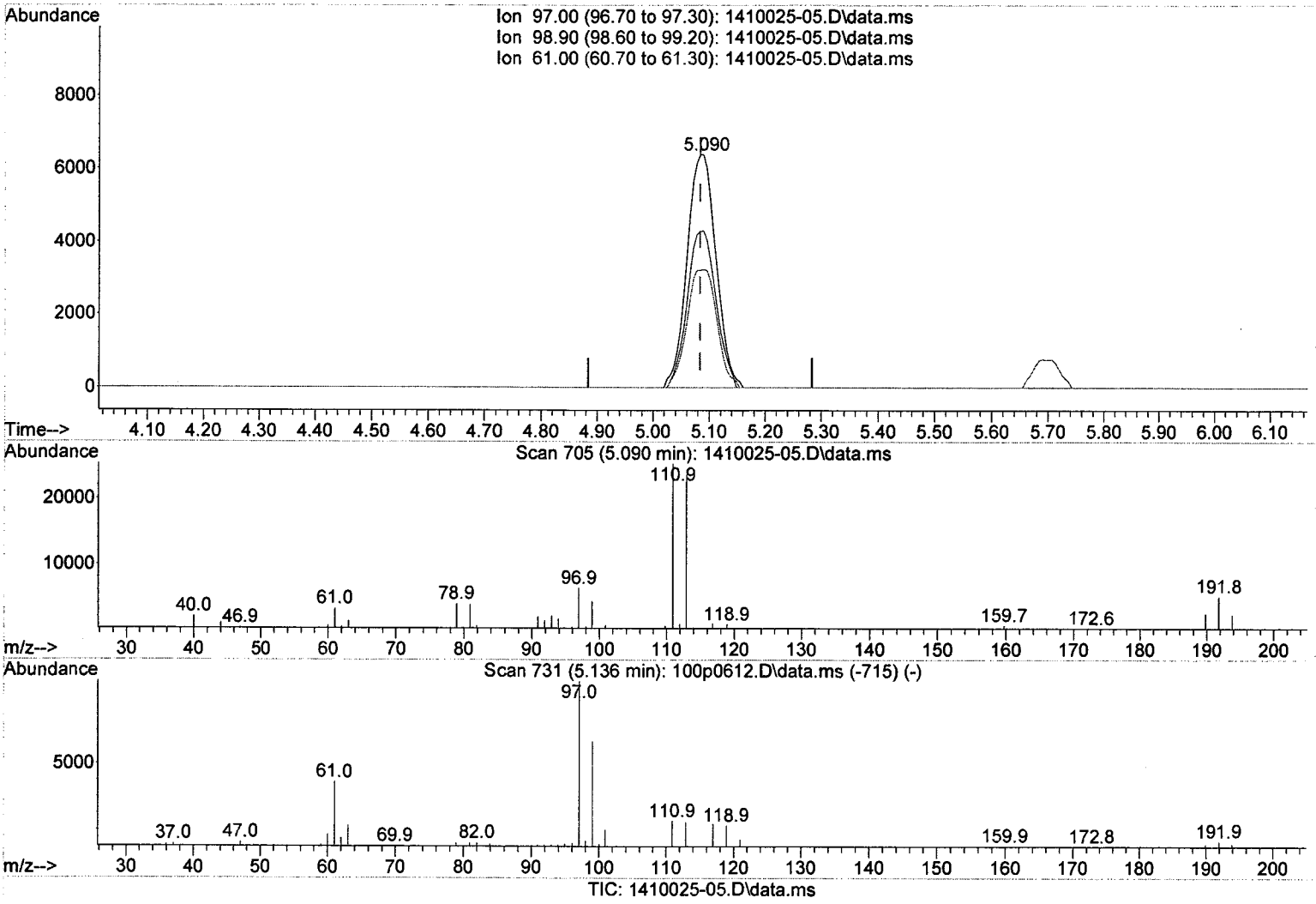
4.325min (+ 0.012) 1.61 ug/L

response 2871

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-05.D
Acq On : 10 Oct 2014 11:24
Operator : DLV
Sample : 1410025-05
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 10 11:43:29 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(30) 1,1,1-trichloroethane

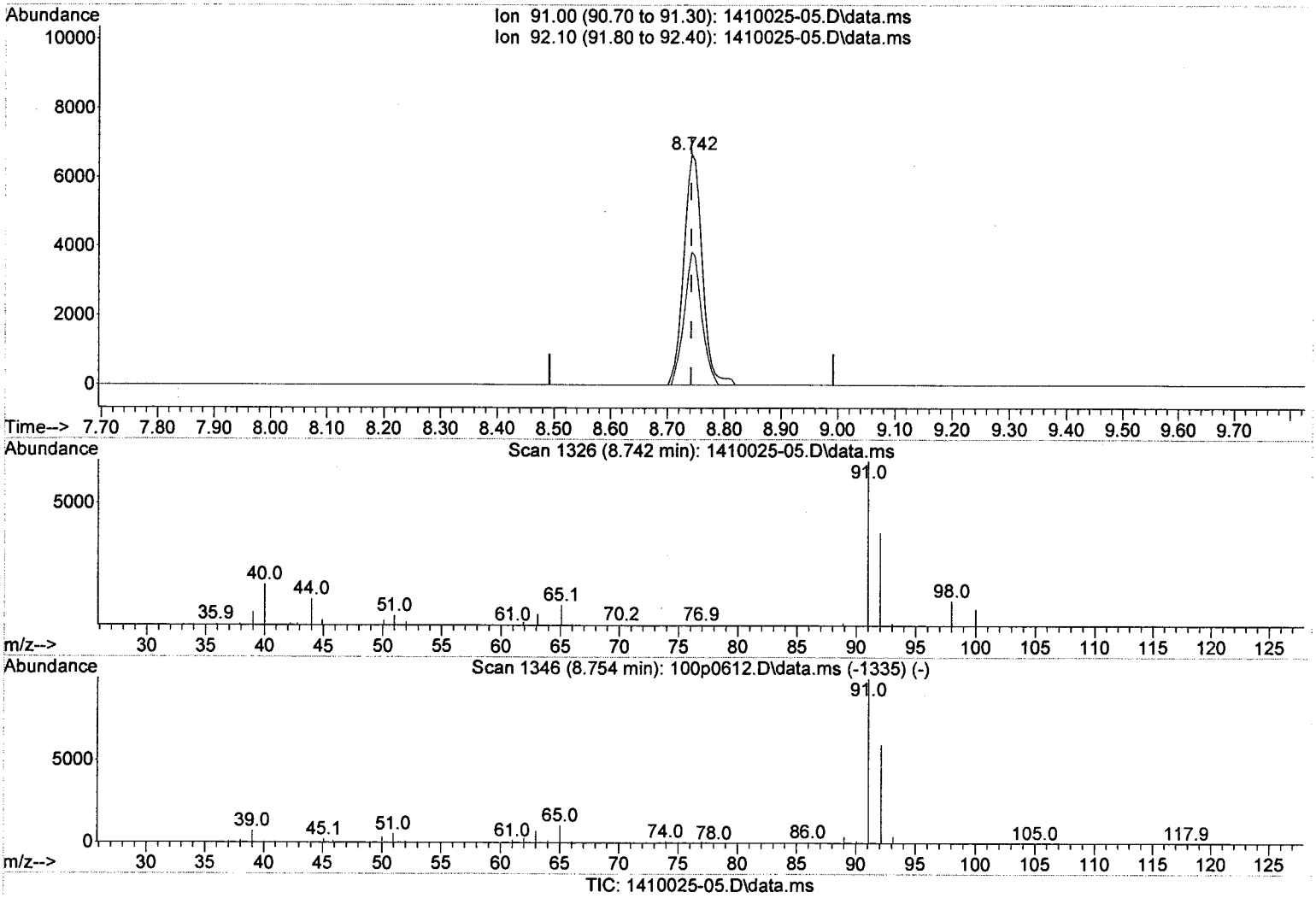
5.090min (+ 0.006) 4.26 ug/L

response 22581

Ion	Exp%	Act%
97.00	100.00	100.00
98.90	62.60	67.09
61.00	48.30	52.25
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-05.D
Acq On : 10 Oct 2014 11:24
Operator : DLV
Sample : 1410025-05
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 10 11:43:29 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(47) toluene (C)

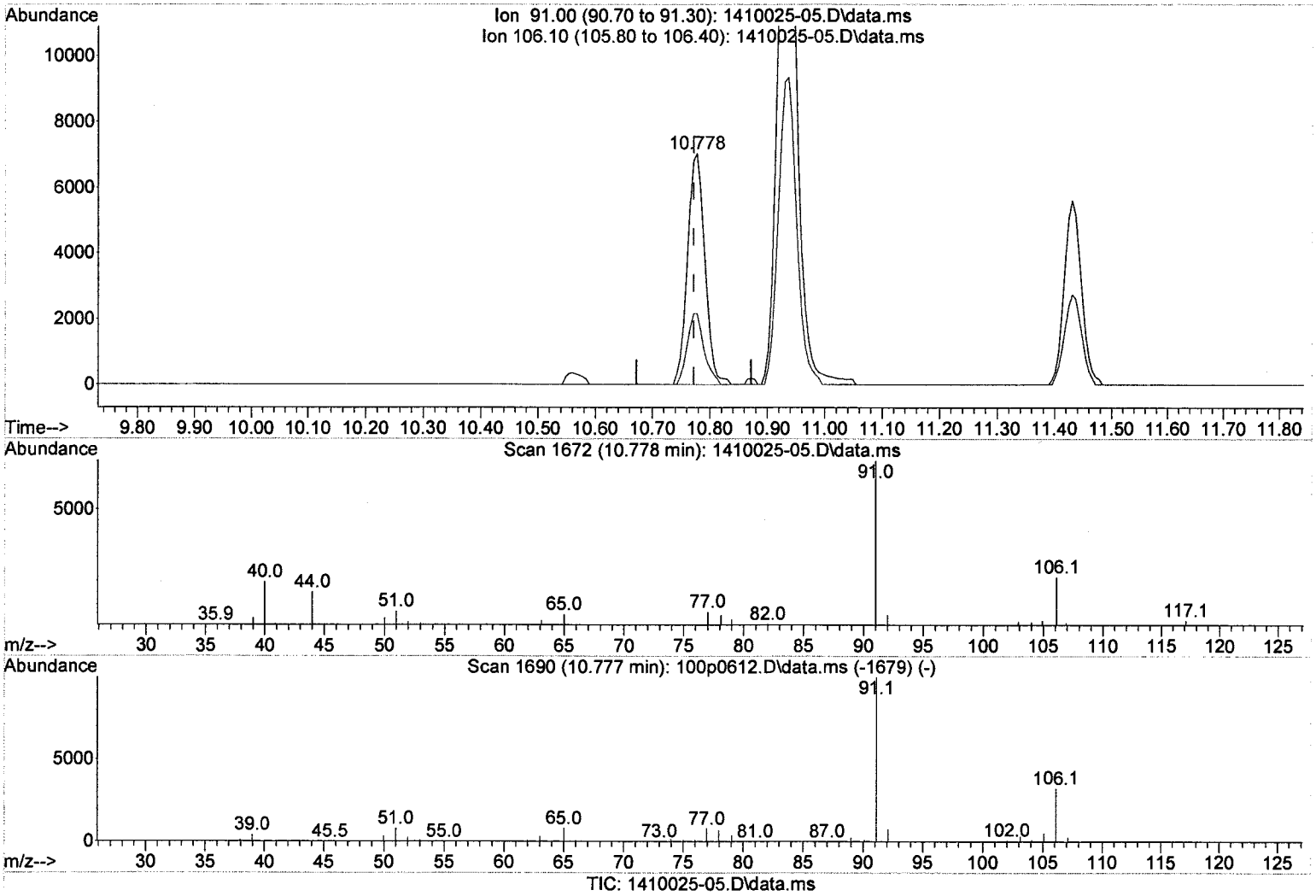
8.742min (+ 0.000) 0.89 ug/L

response 15065

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	54.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-05.D
Acq On : 10 Oct 2014 11:24
Operator : DLV
Sample : 1410025-05
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 10 11:43:29 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(59) ethylbenzene (C)

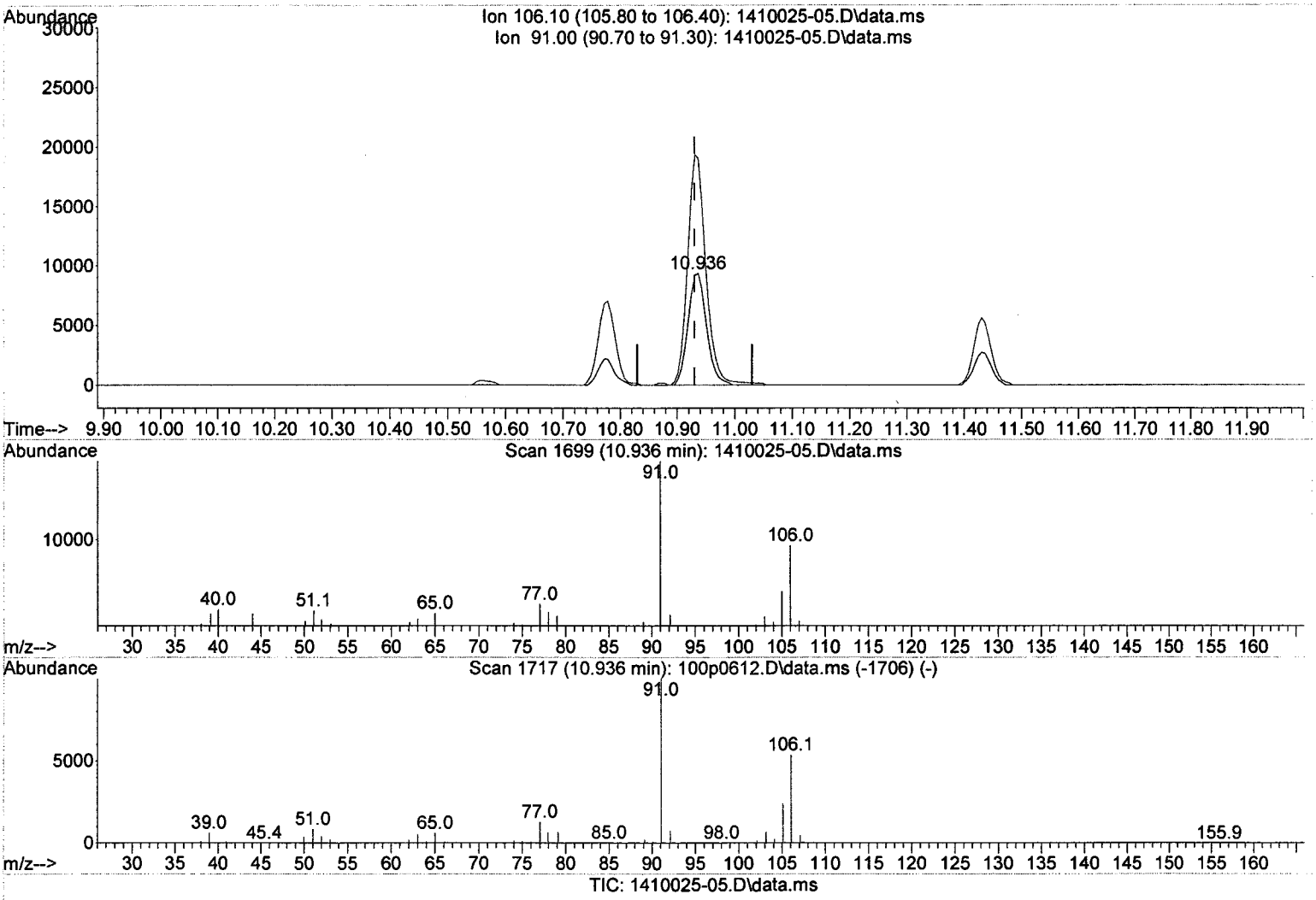
10.778min (+ 0.006) 0.76 ug/L

response 14668

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	29.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-05.D
Acq On : 10 Oct 2014 11:24
Operator : DLV
Sample : 1410025-05
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 10 11:43:29 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(60) m+p-xylene

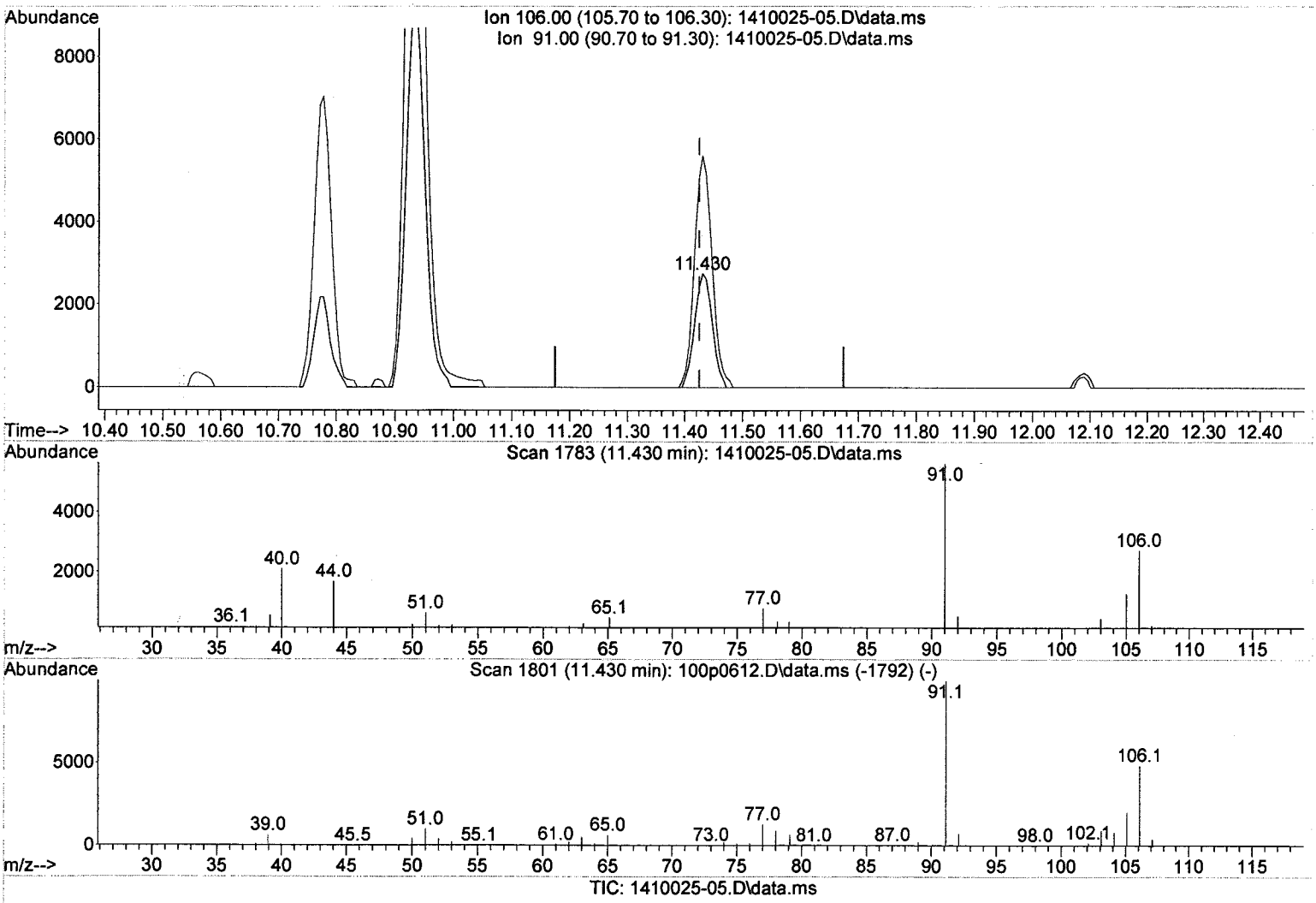
10.936min (+ 0.006) 2.91 ug/L

response 20664

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	203.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-05.D
Acq On : 10 Oct 2014 11:24
Operator : DLV
Sample : 1410025-05
Misc : AECOM
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 10 11:43:29 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 0.85 ug/L

response 5739

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	204.23
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-06 File ID: 1410025-06.D

Sampled: 09/30/14 13:21 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 11:46

Solids: 97.76 Preparation: 5035A Low Concentratio Initial/Final: 4.3 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	38	5.0	5.9	5.9	B
71-43-2	Benzene	1	0.59	0.19	0.59	1.2	U
108-86-1	Bromobenzene	1	0.59	0.16	0.59	1.2	U
74-97-5	Bromochloromethane	1	0.59	0.17	0.59	1.2	U
75-27-4	Bromodichloromethane	1	0.59	0.21	0.59	1.2	U
75-25-2	Bromoform	1	0.59	0.42	0.59	1.2	U
74-83-9	Bromomethane	1	0.59	0.39	0.59	1.2	U
104-51-8	n-Butylbenzene	1	0.59	0.31	0.59	1.2	U
135-98-8	sec-Butylbenzene	1	0.59	0.25	0.59	1.2	U
98-06-6	tert-Butylbenzene	1	0.59	0.20	0.59	1.2	U
75-15-0	Carbon Disulfide	1	1.2	0.27	0.59	1.2	
56-23-5	Carbon Tetrachloride	1	0.59	0.39	0.59	1.2	U
108-90-7	Chlorobenzene	1	0.59	0.18	0.59	1.2	U
75-00-3	Chloroethane	1	1.2	0.60	1.2	1.2	U
67-66-3	Chloroform	1	0.59	0.17	0.59	1.2	U
74-87-3	Chloromethane	1	0.59	0.30	0.59	1.2	U
95-49-8	2-Chlorotoluene	1	0.59	0.35	0.59	1.2	U
106-43-4	4-Chlorotoluene	1	0.24	0.24	0.24	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.2	0.70	1.2	5.9	U
124-48-1	Dibromochloromethane	1	0.59	0.22	0.59	1.2	U
106-93-4	1,2-Dibromoethane	1	0.59	0.18	0.59	1.2	U
74-95-3	Dibromomethane	1	0.59	0.27	0.59	1.2	U
95-50-1	1,2-Dichlorobenzene	1	0.24	0.11	0.24	1.2	U
541-73-1	1,3-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
106-46-7	1,4-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
75-71-8	Dichlorodifluoromethane	1	0.59	0.17	0.59	1.2	U
75-34-3	1,1-Dichloroethane	1	0.59	0.25	0.59	1.2	U
107-06-2	1,2-Dichloroethane	1	0.59	0.27	0.59	1.2	U
75-35-4	1,1-Dichloroethene	1	0.59	0.36	0.59	1.2	U
156-59-2	cis-1,2-Dichloroethene	1	0.59	0.27	0.59	1.2	U
156-60-5	trans-1,2-Dichloroethene	1	0.59	0.32	0.59	1.2	U
78-87-5	1,2-Dichloropropane	1	0.59	0.20	0.59	1.2	U
142-28-9	1,3-Dichloropropane	1	0.59	0.17	0.59	1.2	U
594-20-7	2,2-Dichloropropane	1	0.59	0.27	0.59	1.2	U
563-58-6	1,1-Dichloropropene	1	0.59	0.33	0.59	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1	0.24	0.13	0.24	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1	0.59	0.14	0.59	1.2	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-06 File ID: 1410025-06.D

Sampled: 09/30/14 13:21 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 11:46

Solids: 97.76 Preparation: 5035A Low Concentratio Initial/Final: 4.3 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.50	0.22	0.59	1.2	**J**
87-68-3	Hexachlorobutadiene	1	0.59	0.25	0.59	1.2	U
591-78-6	2-Hexanone	1	0.59	0.57	0.59	5.9	U
98-82-8	Isopropylbenzene	1	0.24	0.13	0.24	1.2	U
99-87-6	4-Isopropyltoluene	1	0.59	0.29	0.59	1.2	U
75-09-2	Methylene Chloride	1	1.2	0.56	1.2	5.9	U
78-93-3	2-Butanone (MEK)	1	3.9	1.3	5.9	5.9	**J**
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.59	0.46	0.59	5.9	U
91-20-3	Naphthalene	1	0.59	0.19	0.59	5.9	U
103-65-1	n-Propylbenzene	1	0.59	0.14	0.59	1.2	U
100-42-5	Styrene	1	0.24	0.24	0.24	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.59	0.18	0.59	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.59	0.17	0.59	1.2	U
127-18-4	Tetrachloroethene	1	0.59	0.20	0.59	1.2	U
108-88-3	Toluene	1	0.68	0.12	0.24	1.2	**J**
87-61-6	1,2,3-Trichlorobenzene	1	0.59	0.34	0.59	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1	0.59	0.20	0.59	1.2	U
71-55-6	1,1,1-Trichloroethane	1	1.4	0.17	0.59	1.2	
79-00-5	1,1,2-Trichloroethane	1	0.59	0.25	0.59	1.2	U
79-01-6	Trichloroethene	1	0.59	0.29	0.59	1.2	U
75-69-4	Trichlorofluoromethane	1	0.59	0.20	0.59	1.2	U
96-18-4	1,2,3-Trichloropropane	1	0.59	0.27	0.59	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1	0.19	0.14	0.59	1.2	**J**
108-67-8	1,3,5-Trimethylbenzene	1	0.59	0.23	0.59	1.2	U
75-01-4	Vinyl Chloride	1	0.59	0.24	0.59	1.2	U
179601-23-1	Xylene, Meta + Para	1	1.9	0.17	0.48	2.4	**J**
95-47-6	Xylene, Ortho	1	0.62	0.13	0.24	1.2	**J**

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.8	104	78 - 119	
1,2-Dichloroethane-d4	40.0	44.2	110	71 - 136	
Toluene-d8	40.0	39.6	99	85 - 116	
4-Bromofluorobenzene	40.0	39.0	98	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	486685	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB14-34

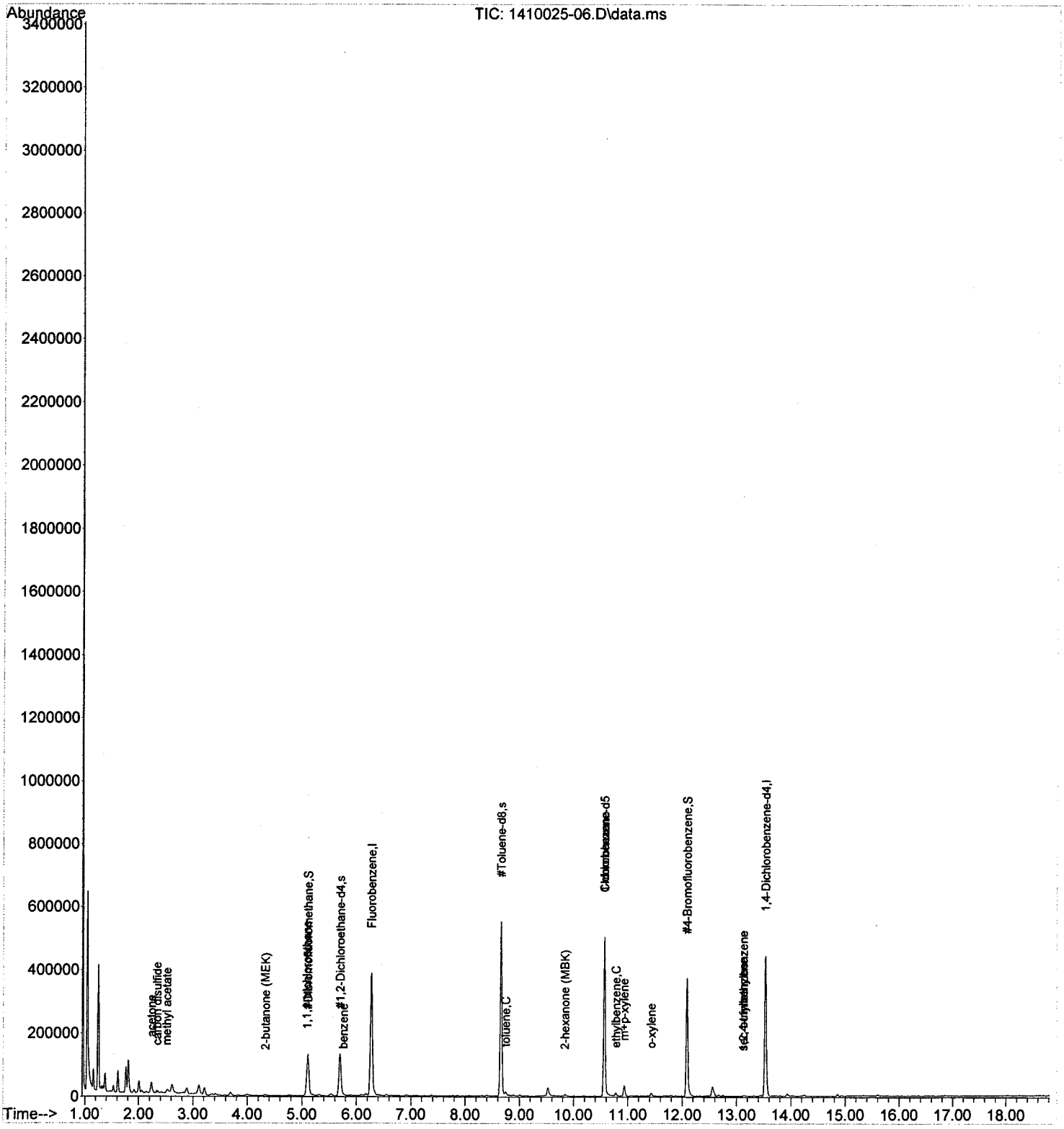
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-06
File ID: 1410025-06.D
Sampled: 09/30/14 13:21
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 11:46
Solids: 97.76
Preparation: 5035A Low Concentratio
Initial/Final: 4.3 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	343822	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	160675	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-06.D
Acq On : 10 Oct 2014 11:46
Operator : DLV
Sample : 1410025-06
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 10 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-06.D
Acq On : 10 Oct 2014 11:46
Operator : DLV
Sample : 1410025-06
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 10 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	486685	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	343822	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	160675	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	126139	41.75	ug/L		0.00
Spiked Amount 40.000			Recovery = 104.38%				
37) #1,2-Dichloroethane-d4	5.695	67	78406	44.20	ug/L		0.00
Spiked Amount 40.000			Recovery = 110.50%				
46) #Toluene-d8	8.654	98	465770	39.58	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.95%				
64) #4-Bromofluorobenzene	12.083	95	166140	39.05	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.63%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	48275	32.03	ug/L		96
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	10127	1.04	ug/L	#	75
16) methyl acetate	2.513	43	3546	1.06	ug/L	#	60
17) methylene chloride	2.607	49	11875	Below Cal			98
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.331	43	6342	3.32	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	5.084	97	6564	1.16	ug/L		93
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.760	78	2213	0.13	ug/L	#	63
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

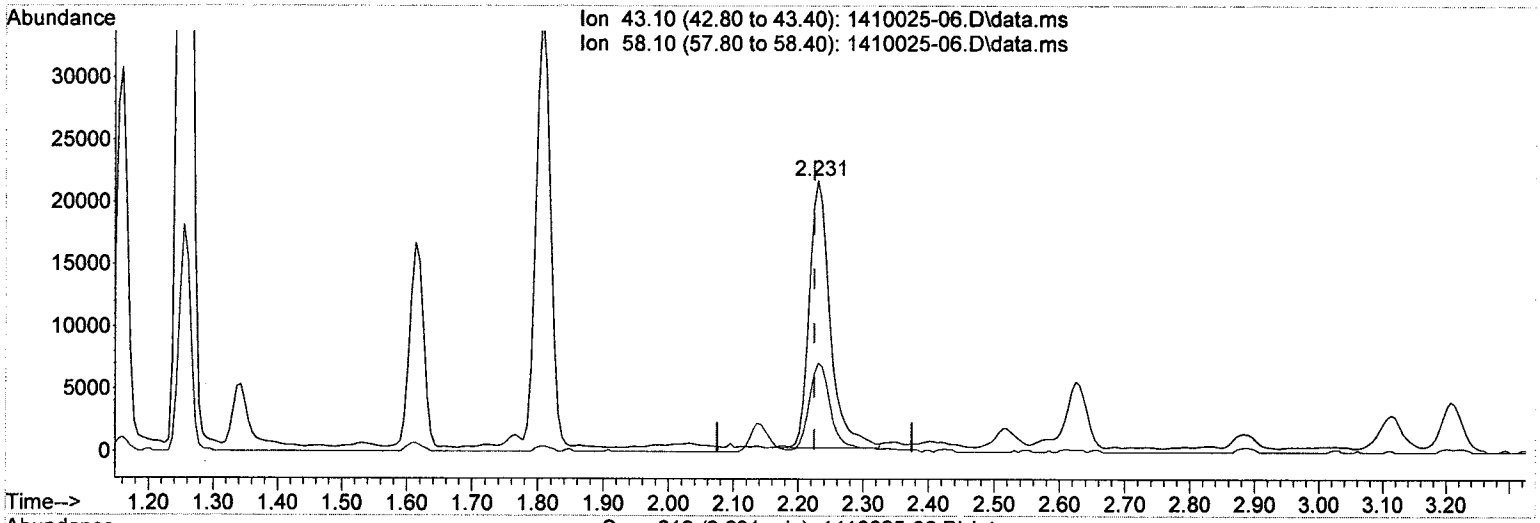
InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-06.D
Acq On : 10 Oct 2014 11:46
Operator : DLV
Sample : 1410025-06
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 10 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

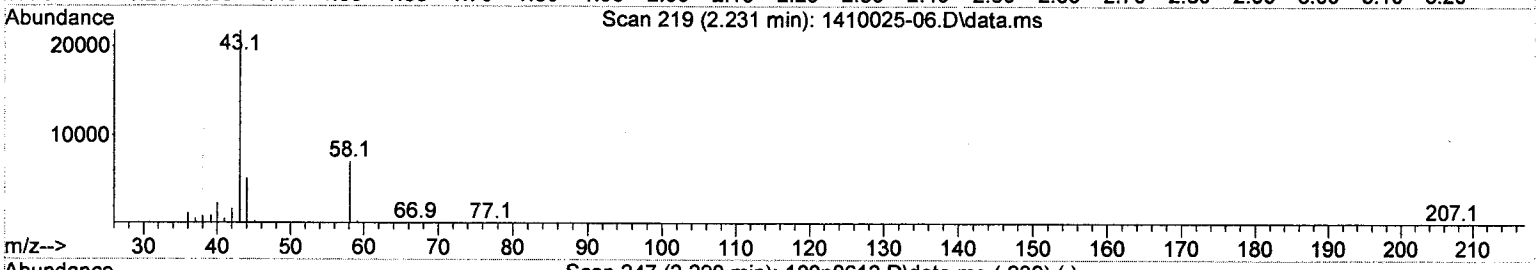
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	0.000		0	N.D.			
40) 1,2-dichloropropane	0.000		0	N.D.			
41) dibromomethane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	0.000		0	N.D.			
45) 4-methyl-2-pentanone (...	0.000		0	N.D.			
47) toluene	8.742	91	10459	0.57	ug/L		96
48) trans-1,3-dichloropropene	0.000		0	N.D.			
49) 1,1,2-trichloroethane	0.000		0	N.D.			
51) tetrachloroethene	0.000		0	N.D.			
52) 1,3-dichloropropane	0.000		0	N.D.			
53) 2-hexanone (MBK)	9.842	43	2677	~~0.97~~	ug/L	#	18
54) dibromochloromethane	0.000		0	N.D.			
55) 1,2-dibromoethane	0.000		0	N.D.			
56) chlorobenzene	0.000		0	N.D.			
57) 1-chlorohexane	10.566	55	2456	0.53	ug/L	#	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59) ethylbenzene	10.777	91	8707	0.42	ug/L		98
60) m+p-xylene	10.930	106	12202	1.60	ug/L		100
61) o-xylene	11.430	106	3749	0.52	ug/L		88
62) styrene	0.000		0	N.D.			
63) bromoform	0.000		0	N.D.			
66) isopropylbenzene	0.000		0	N.D.			
67) bromobenzene	0.000		0	N.D.			
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69) 1,2,3-trichloropropane	0.000		0	N.D.			
70) 1,4-dichloro-2-butene	0.000		0	N.D.			
71) n-propylbenzene	0.000		0	N.D.			
72) 2-chlorotoluene	0.000		0	N.D.			
73) 1,3,5-trimethylbenzene	0.000		0	N.D.			
74) 4-chlorotoluene	0.000		0	N.D.			
75) tert-butylbenzene	0.000		0	N.D.			
76) 1,2,4-trimethylbenzene	13.124	105	2434	0.16	ug/L	#	31
77) sec-butylbenzene	13.124	105	2268	0.11	ug/L	#	58
78) 1,3-dichlorobenzene	0.000		0	N.D.			
79) 4-isopropyltoluene	0.000		0	N.D.			
80) 1,4-dichlorobenzene	0.000		0	N.D.			
81) 1,2-dichlorobenzene	0.000		0	N.D.			
82) n-butylbenzene	0.000		0	N.D.			
83) hexachloroethane	0.000		0	N.D.			
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85) 1,2,4-trichlorobenzene	0.000		0	N.D.			
86) hexachlorobutadiene	0.000		0	N.D.			
87) naphthalene	0.000		0	N.D.			
88) 1,2,3-trichlorobenzene	0.000		0	N.D.			
89) 2-methylnaphthalene	0.000		0	N.D.			

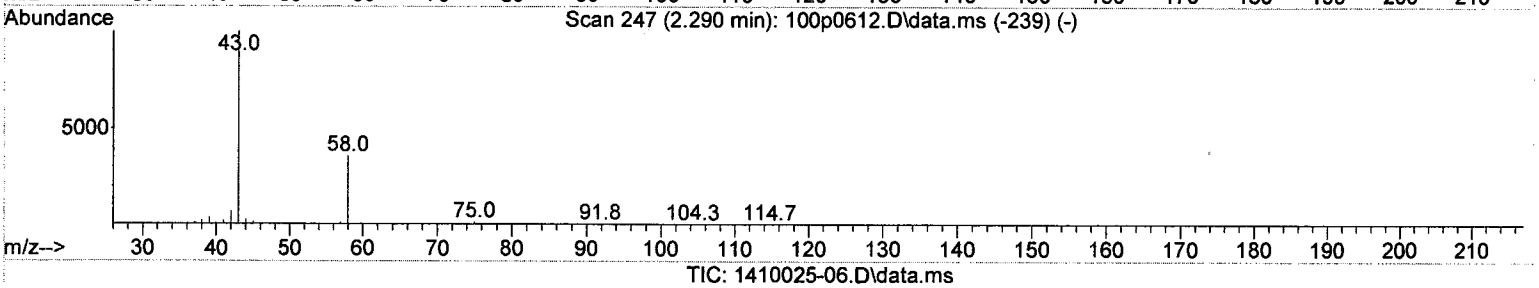
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-06.D
Acq On : 10 Oct 2014 11:46
Operator : DLV
Sample : 1410025-06
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 10 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410025-06.D\data.ms

(13) acetone

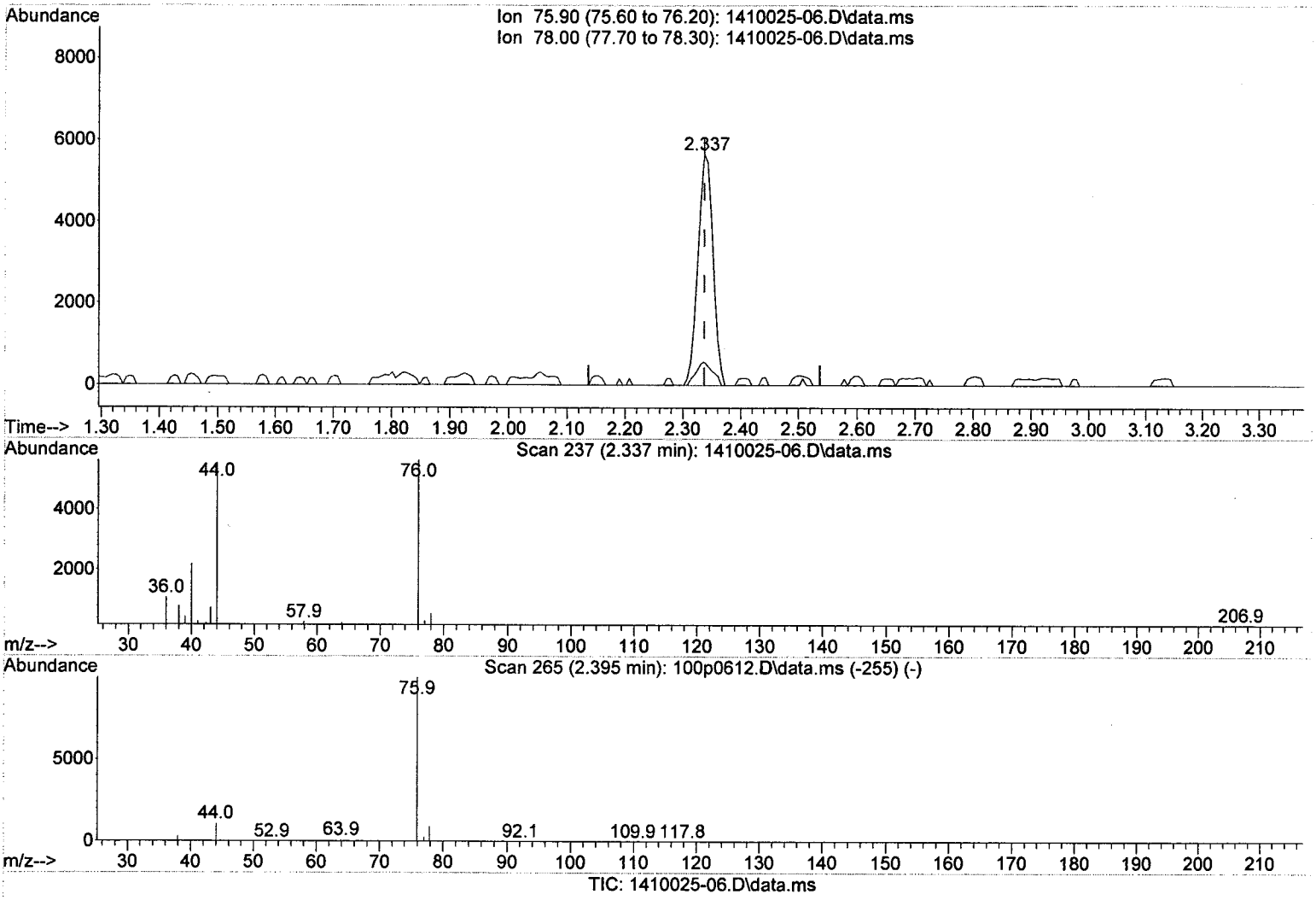
2.231min (+ 0.006) 32.03 ug/L

response 48275

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	33.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-06.D
Acq On : 10 Oct 2014 11:46
Operator : DLV
Sample : 1410025-06
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 10 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(15) carbon disulfide

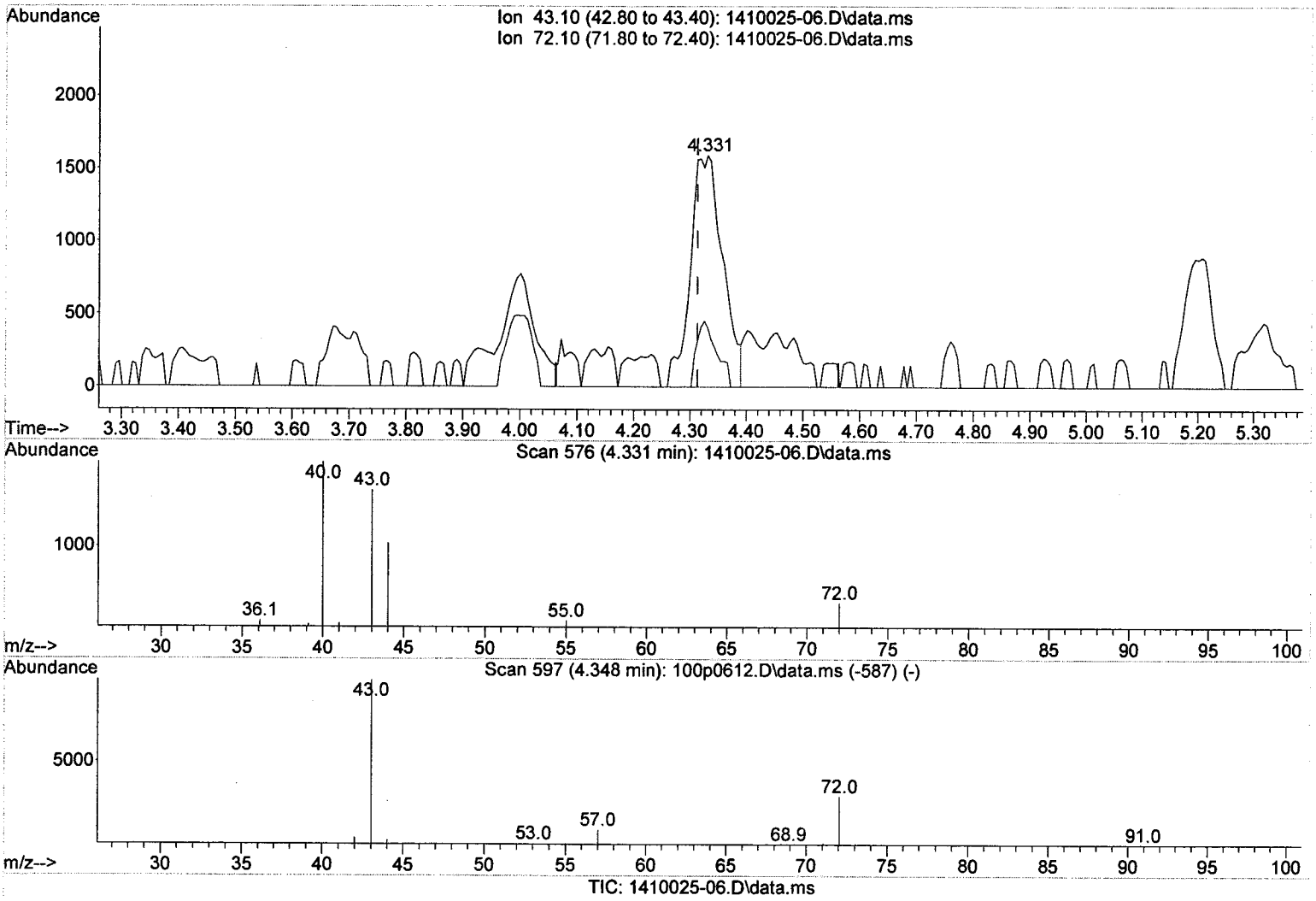
2.337min (-0.000) 1.04 ug/L

response 10127

Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-06.D
Acq On : 10 Oct 2014 11:46
Operator : DLV
Sample : 1410025-06
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 10 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(25) 2-butanone (MEK)

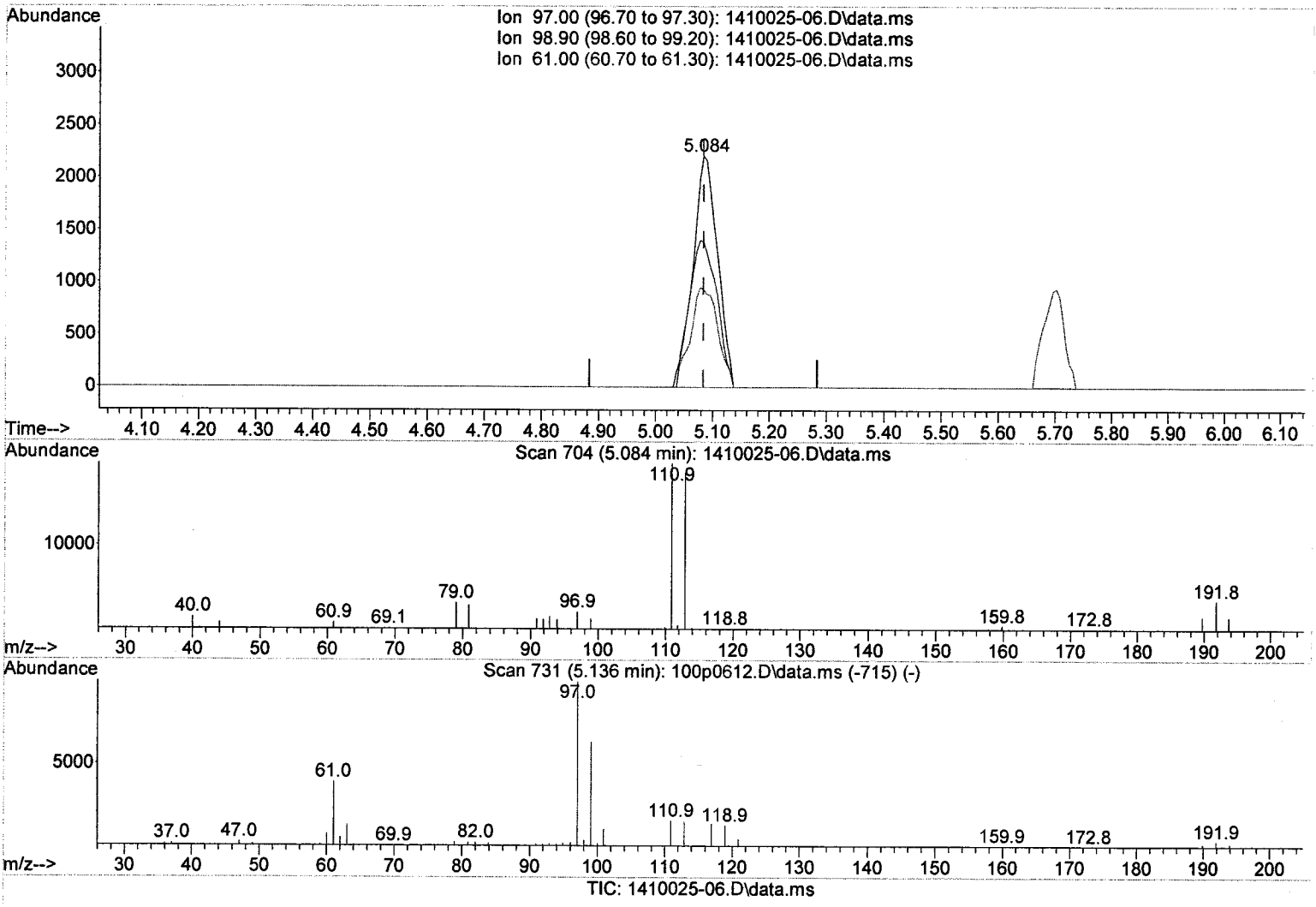
4.331min (+ 0.018) 3.32 ug/L

response 6342

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-06.D
Acq On : 10 Oct 2014 11:46
Operator : DLV
Sample : 1410025-06
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 10 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(30) 1,1,1-trichloroethane

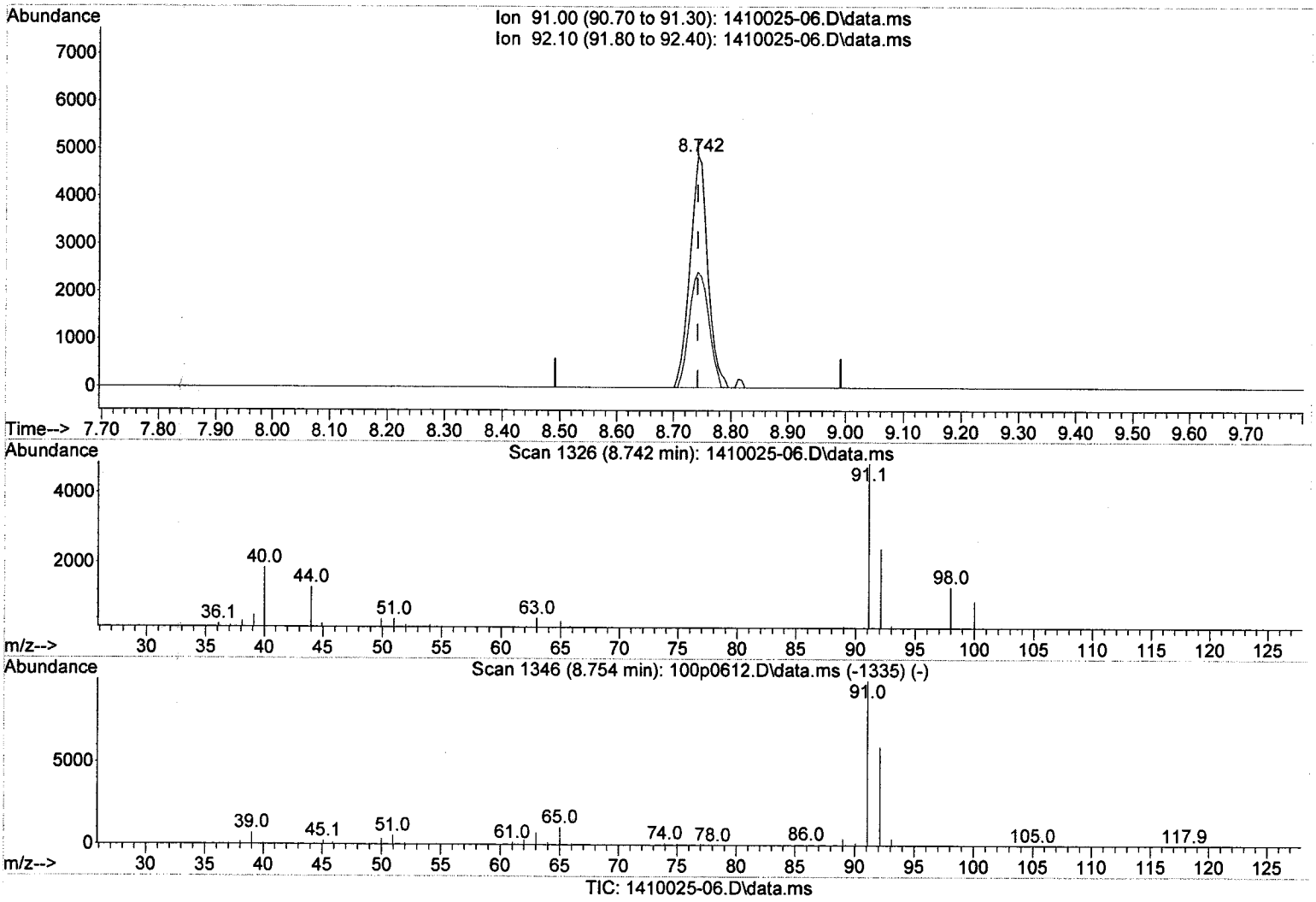
5.084min (-0.000) 1.16 ug/L

response 6564

Ion	Exp%	Act%
97.00	100.00	100.00
98.90	62.60	71.24
61.00	48.30	47.53
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-06.D
Acq On : 10 Oct 2014 11:46
Operator : DLV
Sample : 1410025-06
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 10 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(47) toluene (C)

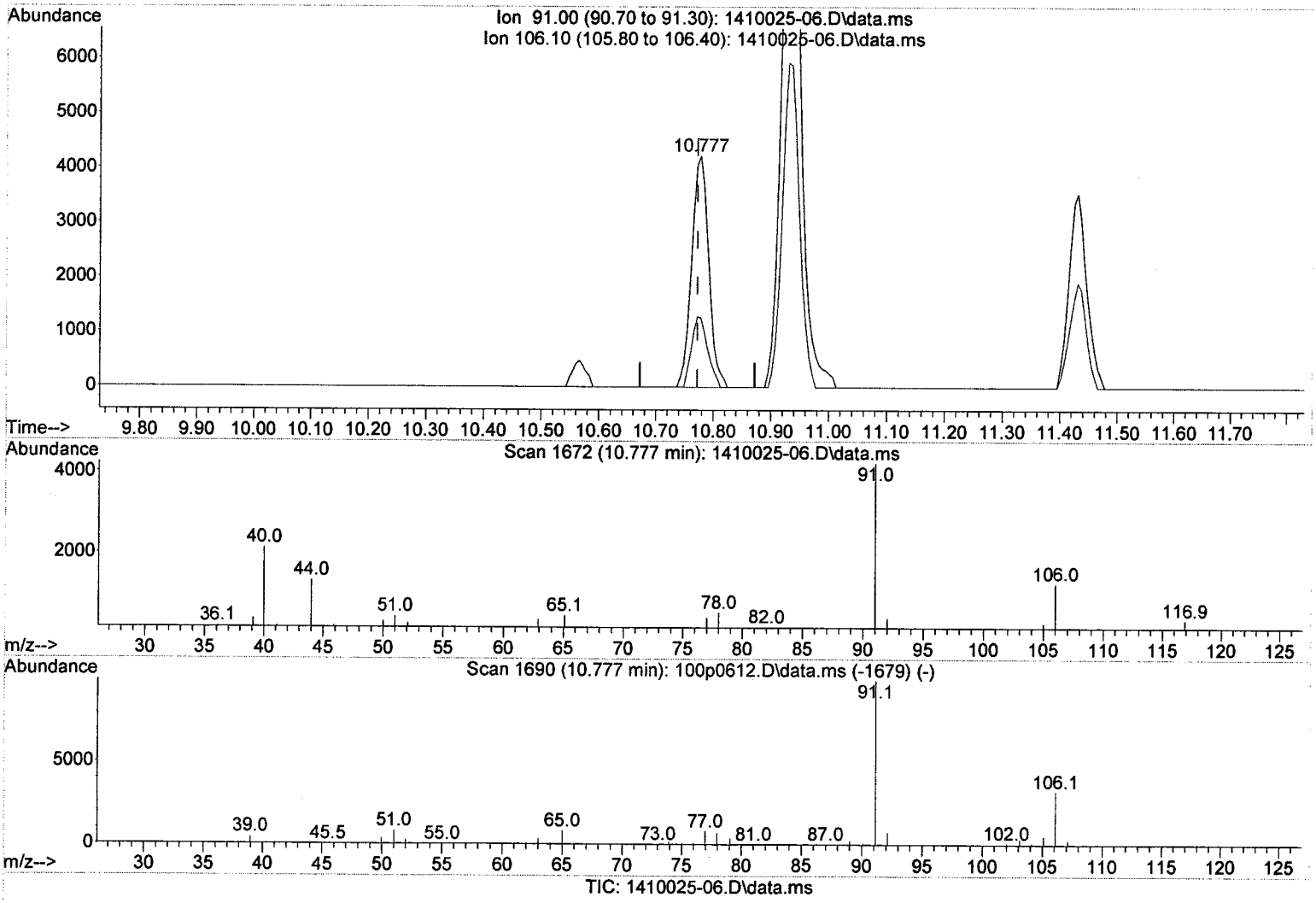
8.742min (+ 0.000) 0.57 ug/L

response 10459

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	54.41
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-06.D
Acq On : 10 Oct 2014 11:46
Operator : DLV
Sample : 1410025-06
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 10 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(59) ethylbenzene (C)

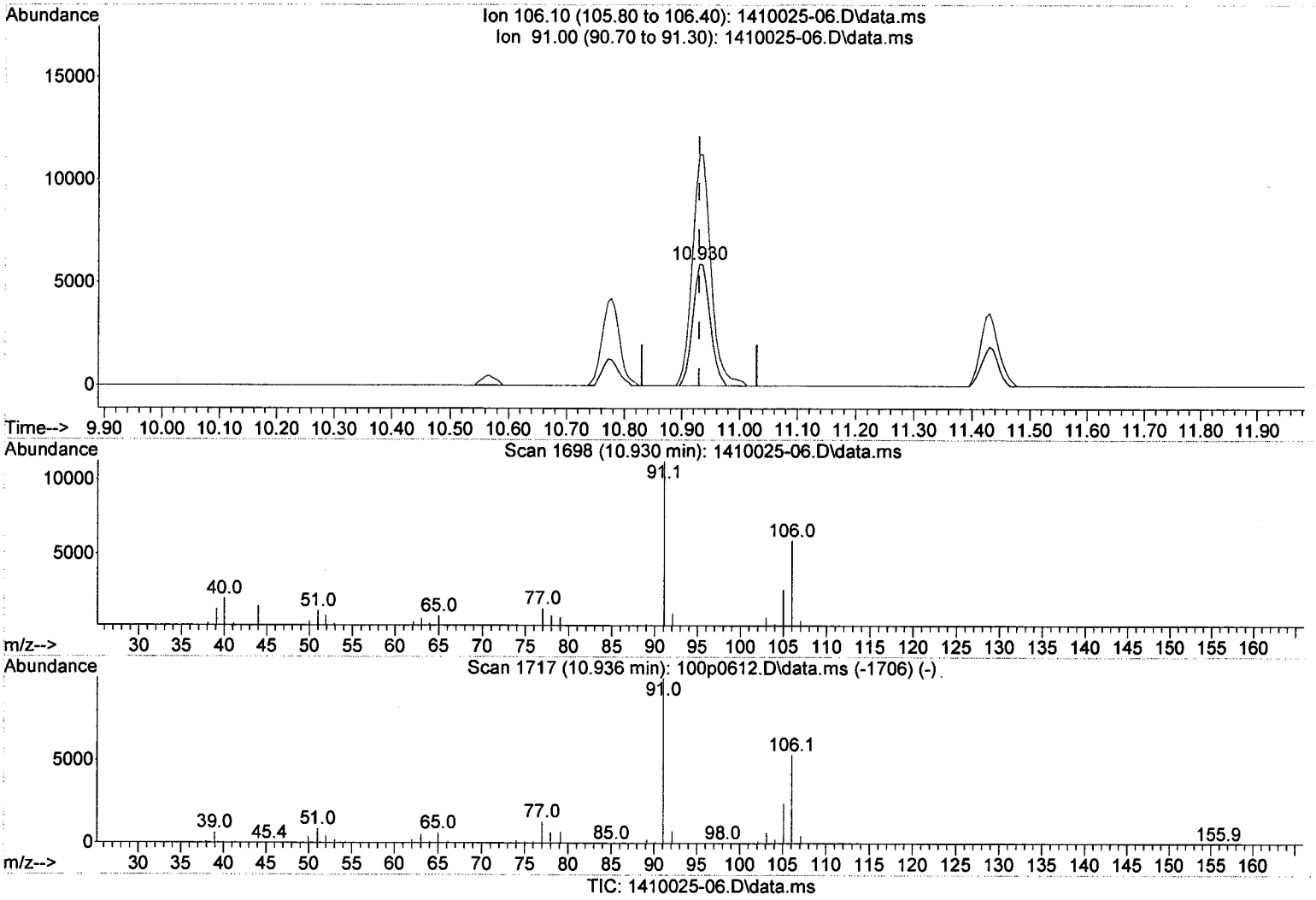
10.777min (+ 0.005) 0.42 ug/L

response 8707

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	28.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-06.D
Acq On : 10 Oct 2014 11:46
Operator : DLV
Sample : 1410025-06
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 10 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(60) m+p-xylene

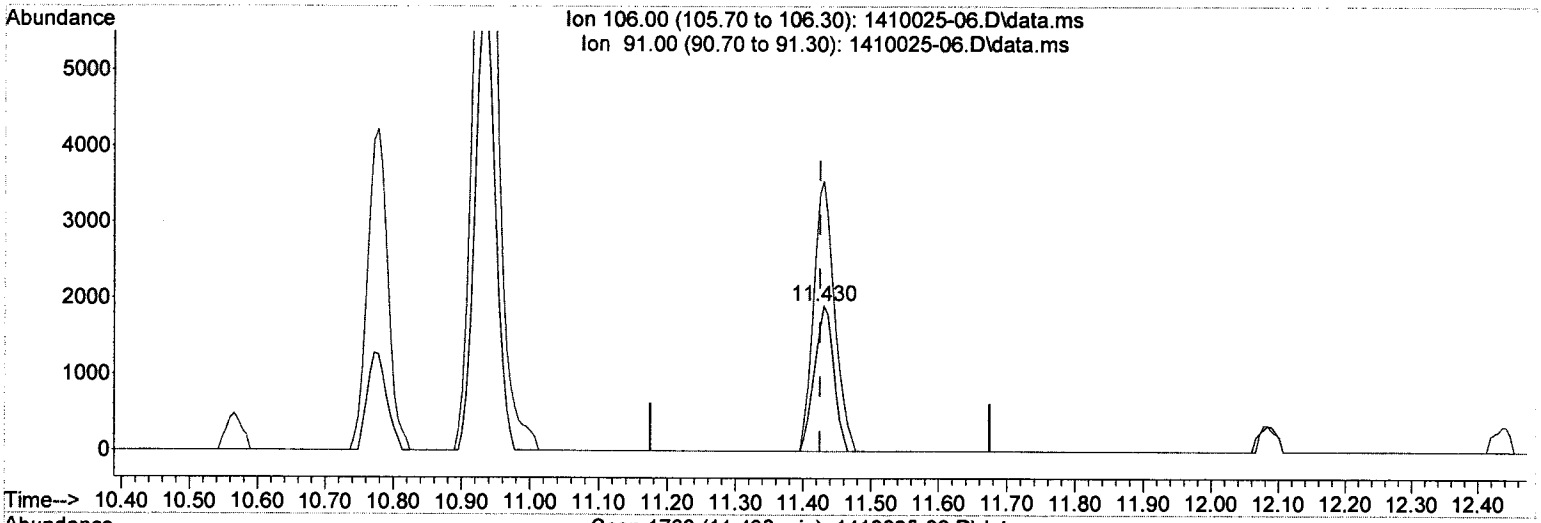
10.930min (+ 0.000) 1.60 ug/L

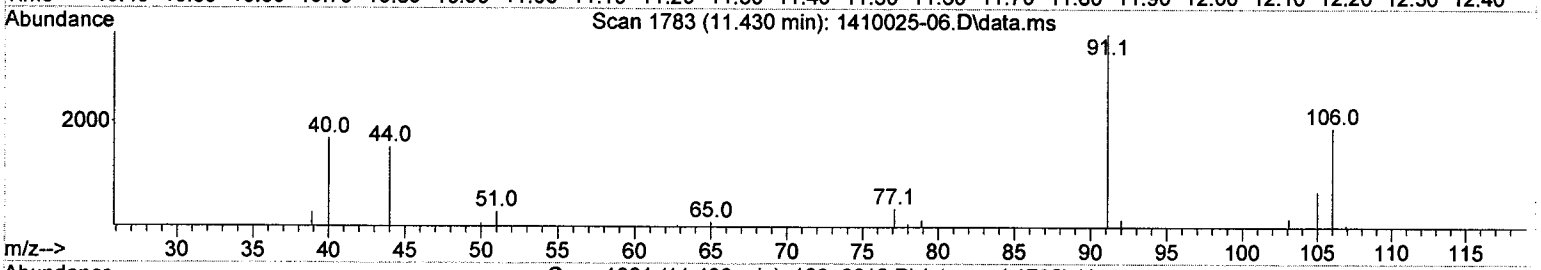
response 12202

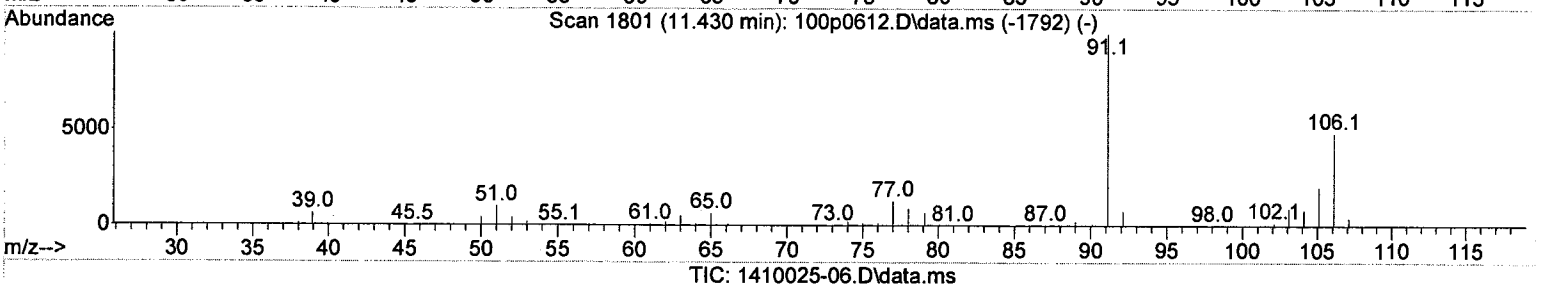
Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	206.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-06.D
Acq On : 10 Oct 2014 11:46
Operator : DLV
Sample : 1410025-06
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 10 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410025-06.D\data.ms

(61) o-xylene

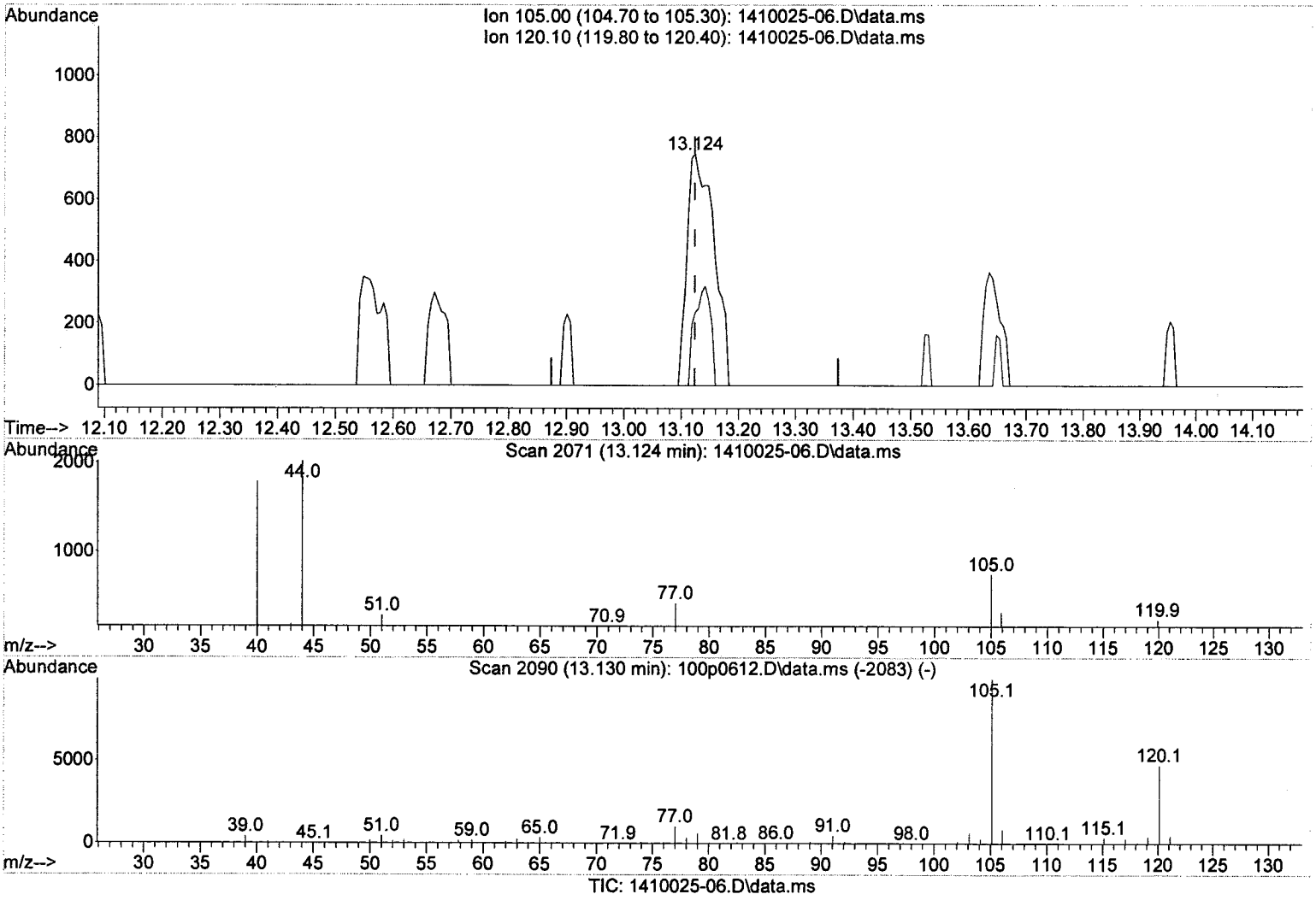
11.430min (+ 0.005) 0.52 ug/L

response 3749

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	201.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-06.D
Acq On : 10 Oct 2014 11:46
Operator : DLV
Sample : 1410025-06
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 10 12:09:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(76) 1,2,4-trimethylbenzene

13.124min (+ 0.000) 0.16 ug/L

response 2434

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	45.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB14-34DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-07
File ID: 1410025-07.D
Sampled: 09/30/14 00:00
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 12:09
Solids: 96.13
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	13	4.6	5.5	5.5	B
71-43-2	Benzene	1	0.55	0.18	0.55	1.1	U
108-86-1	Bromobenzene	1	0.55	0.15	0.55	1.1	U
74-97-5	Bromochloromethane	1	0.55	0.16	0.55	1.1	U
75-27-4	Bromodichloromethane	1	0.55	0.19	0.55	1.1	U
75-25-2	Bromoform	1	0.55	0.40	0.55	1.1	U
74-83-9	Bromomethane	1	0.55	0.36	0.55	1.1	U
104-51-8	n-Butylbenzene	1	0.55	0.29	0.55	1.1	U
135-98-8	sec-Butylbenzene	1	0.55	0.24	0.55	1.1	U
98-06-6	tert-Butylbenzene	1	0.55	0.18	0.55	1.1	U
75-15-0	Carbon Disulfide	1	0.55	0.26	0.55	1.1	U
56-23-5	Carbon Tetrachloride	1	0.55	0.36	0.55	1.1	U
108-90-7	Chlorobenzene	1	0.55	0.17	0.55	1.1	U
75-00-3	Chloroethane	1	1.1	0.56	1.1	1.1	U
67-66-3	Chloroform	1	0.55	0.16	0.55	1.1	U
74-87-3	Chloromethane	1	0.55	0.28	0.55	1.1	U
95-49-8	2-Chlorotoluene	1	0.55	0.32	0.55	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.65	1.1	5.5	U
124-48-1	Dibromochloromethane	1	0.55	0.20	0.55	1.1	U
106-93-4	1,2-Dibromoethane	1	0.55	0.17	0.55	1.1	U
74-95-3	Dibromomethane	1	0.55	0.25	0.55	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.55	0.16	0.55	1.1	U
75-34-3	1,1-Dichloroethane	1	0.55	0.23	0.55	1.1	U
107-06-2	1,2-Dichloroethane	1	0.55	0.25	0.55	1.1	U
75-35-4	1,1-Dichloroethene	1	0.55	0.34	0.55	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.55	0.25	0.55	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.55	0.30	0.55	1.1	U
78-87-5	1,2-Dichloropropane	1	0.55	0.19	0.55	1.1	U
142-28-9	1,3-Dichloropropane	1	0.55	0.16	0.55	1.1	U
594-20-7	2,2-Dichloropropane	1	0.55	0.25	0.55	1.1	U
563-58-6	1,1-Dichloropropene	1	0.55	0.31	0.55	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.13	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.55	0.13	0.55	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB14-34DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-07 File ID: 1410025-07.D

Sampled: 09/30/14 00:00 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 12:09

Solids: 96.13 Preparation: 5035A Low Concentratio Initial/Final: 4.7 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.82	0.21	0.55	1.1	J
87-68-3	Hexachlorobutadiene	1	0.55	0.23	0.55	1.1	U
591-78-6	2-Hexanone	1	0.55	0.53	0.55	5.5	U
98-82-8	Isopropylbenzene	1	0.22	0.12	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.55	0.27	0.55	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.52	1.1	5.5	U
78-93-3	2-Butanone (MEK)	1	5.5	1.2	5.5	5.5	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.55	0.43	0.55	5.5	U
91-20-3	Naphthalene	1	0.55	0.18	0.55	5.5	U
103-65-1	n-Propylbenzene	1	0.55	0.13	0.55	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.55	0.16	0.55	1.1	U
127-18-4	Tetrachloroethene	1	0.34	0.19	0.55	1.1	J
108-88-3	Toluene	1	0.83	0.11	0.22	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.55	0.32	0.55	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.55	0.19	0.55	1.1	U
71-55-6	1,1,1-Trichloroethane	1	5.1	0.16	0.55	1.1	
79-00-5	1,1,2-Trichloroethane	1	0.55	0.24	0.55	1.1	U
79-01-6	Trichloroethene	1	0.55	0.27	0.55	1.1	U
75-69-4	Trichlorofluoromethane	1	0.55	0.19	0.55	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.55	0.25	0.55	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.55	0.13	0.55	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.55	0.21	0.55	1.1	U
75-01-4	Vinyl Chloride	1	0.55	0.22	0.55	1.1	U
179601-23-1	Xylene, Meta + Para	1	3.2	0.16	0.44	2.2	
95-47-6	Xylene, Ortho	1	1.0	0.12	0.22	1.1	J

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.7	104	78 - 119	
1,2-Dichloroethane-d4	40.0	44.3	111	71 - 136	
Toluene-d8	40.0	39.7	99	85 - 116	
4-Bromofluorobenzene	40.0	37.6	94	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	496291	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13SB14-34DUP

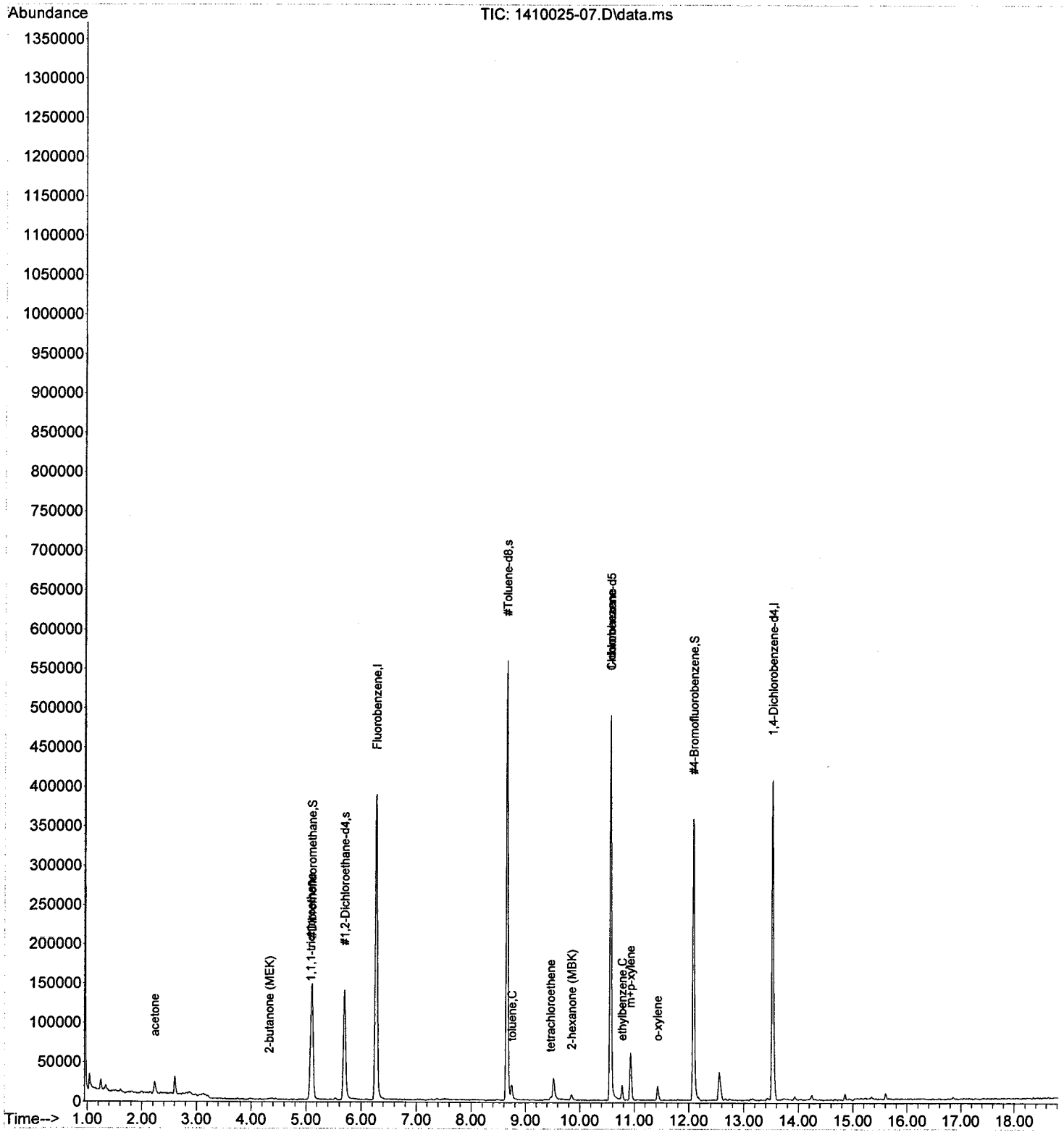
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-07
File ID: 1410025-07.D
Sampled: 09/30/14 00:00
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 12:09
Solids: 96.13
Preparation: 5035A Low Concentratio
Initial/Final: 4.7 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	339049	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	146315	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-07.D
Acq On : 10 Oct 2014 12:09
Operator : DLV
Sample : 1410025-07
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 10 12:30:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001303

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-07.D
Acq On : 10 Oct 2014 12:09
Operator : DLV
Sample : 1410025-07
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 10 12:30:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	496291	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	339049	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	146315	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	128454	41.69	ug/L		0.00
Spiked Amount 40.000			Recovery = 104.22%				
37) #1,2-Dichloroethane-d4	5.695	67	80100	44.28	ug/L		0.00
Spiked Amount 40.000			Recovery = 110.70%				
46) #Toluene-d8	8.654	98	476400	39.70	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.25%				
64) #4-Bromofluorobenzene	12.083	95	157673	37.58	ug/L		0.00
Spiked Amount 40.000			Recovery = 93.95%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	22841	11.49	ug/L		96
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	12259	Below Cal			96
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.331	43	2677	1.37	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	5.084	97	26509	4.58	ug/L		96
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

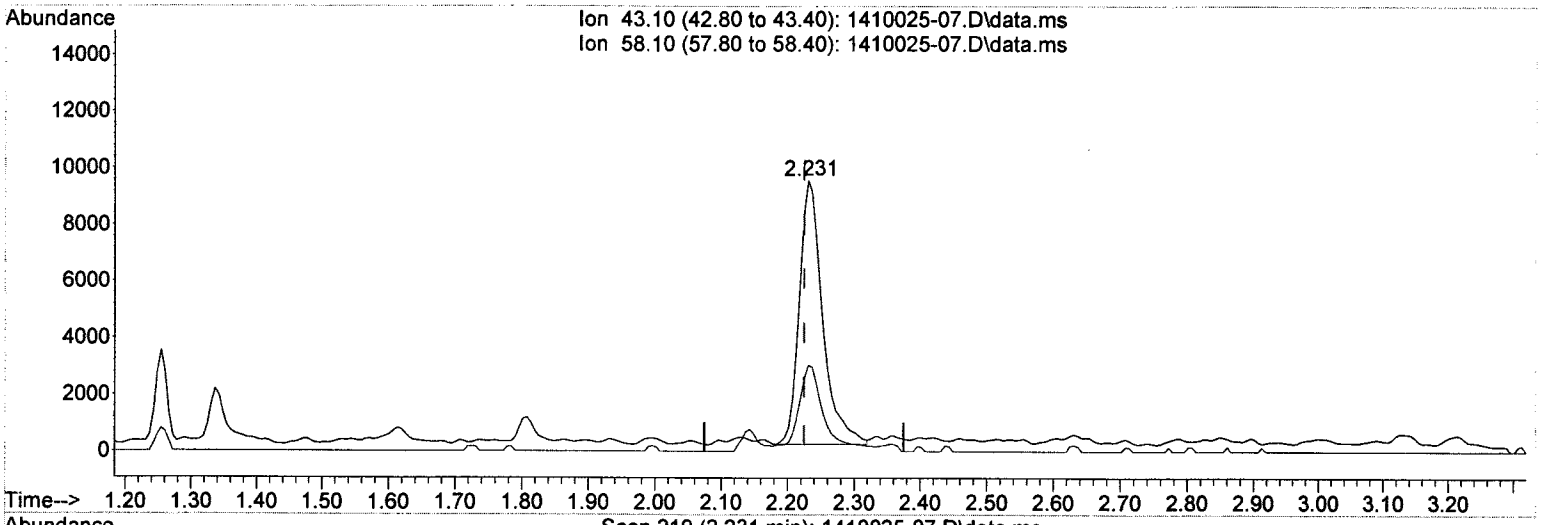
InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-07.D
Acq On : 10 Oct 2014 12:09
Operator : DLV
Sample : 1410025-07
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 10 12:30:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

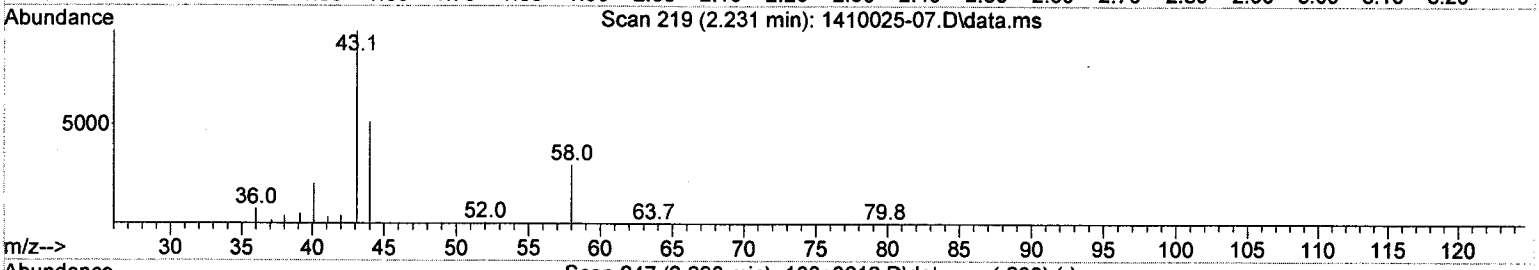
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	0.000		0	N.D.			
40) 1,2-dichloropropane	0.000		0	N.D.			
41) dibromomethane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	0.000		0	N.D.			
45) 4-methyl-2-pentanone (...	0.000		0	N.D.			
47) toluene	8.748	91	13936	✓ 0.75	ug/L		93
48) trans-1,3-dichloropropene	0.000		0	N.D.			
49) 1,1,2-trichloroethane	0.000		0	N.D.			
51) tetrachloroethene	9.466	166	1533	✓ 0.31	ug/L	#	12
52) 1,3-dichloropropane	0.000		0	N.D.			
53) 2-hexanone (MBK)	9.854	43	2291	~~0.84~~	ug/L	#	4
54) dibromochloromethane	0.000		0	N.D.			
55) 1,2-dibromoethane	0.000		0	N.D.			
56) chlorobenzene	0.000		0	N.D.			
57) 1-chlorohexane	10.566	55	2818	0.61	ug/L	#	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59) ethylbenzene	10.777	91	15075	✓ 0.74	ug/L		99
60) m+p-xylene	10.930	106	21979	✓ 2.93	ug/L		99
61) o-xylene	11.430	106	6424	✓ 0.90	ug/L		92
62) styrene	0.000		0	N.D.			
63) bromoform	0.000		0	N.D.			
66) isopropylbenzene	0.000		0	N.D.			
67) bromobenzene	0.000		0	N.D.			
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69) 1,2,3-trichloropropane	0.000		0	N.D.			
70) 1,4-dichloro-2-butene	0.000		0	N.D.			
71) n-propylbenzene	0.000		0	N.D.			
72) 2-chlorotoluene	0.000		0	N.D.			
73) 1,3,5-trimethylbenzene	0.000		0	N.D.			
74) 4-chlorotoluene	0.000		0	N.D.			
75) tert-butylbenzene	0.000		0	N.D.			
76) 1,2,4-trimethylbenzene	0.000		0	N.D.			
77) sec-butylbenzene	0.000		0	N.D.			
78) 1,3-dichlorobenzene	0.000		0	N.D.			
79) 4-isopropyltoluene	0.000		0	N.D.			
80) 1,4-dichlorobenzene	0.000		0	N.D.			
81) 1,2-dichlorobenzene	0.000		0	N.D.			
82) n-butylbenzene	0.000		0	N.D.			
83) hexachloroethane	0.000		0	N.D.			
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85) 1,2,4-trichlorobenzene	0.000		0	N.D.			
86) hexachlorobutadiene	0.000		0	N.D.			
87) naphthalene	0.000		0	N.D.			
88) 1,2,3-trichlorobenzene	0.000		0	N.D.			
89) 2-methylnaphthalene	0.000		0	N.D.			

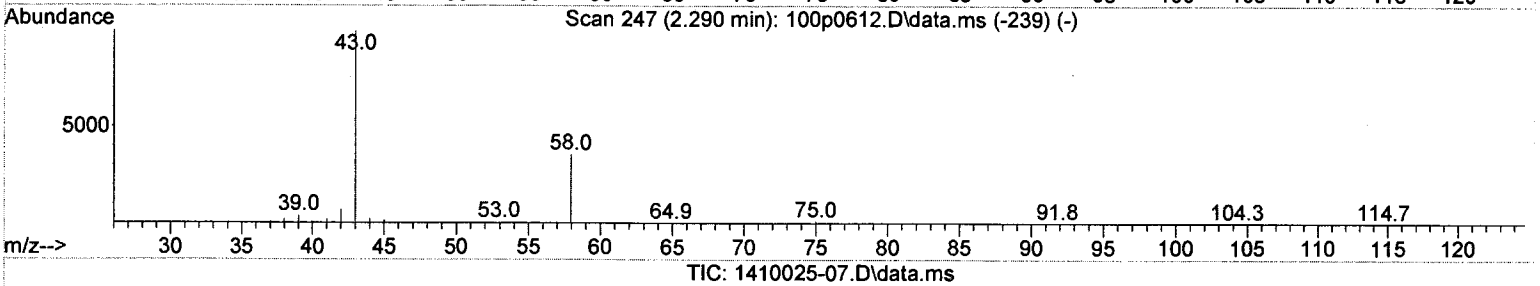
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-07.D
Acq On : 10 Oct 2014 12:09
Operator : DLV
Sample : 1410025-07
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 10 12:30:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410025-07.D\data.ms

(13) acetone

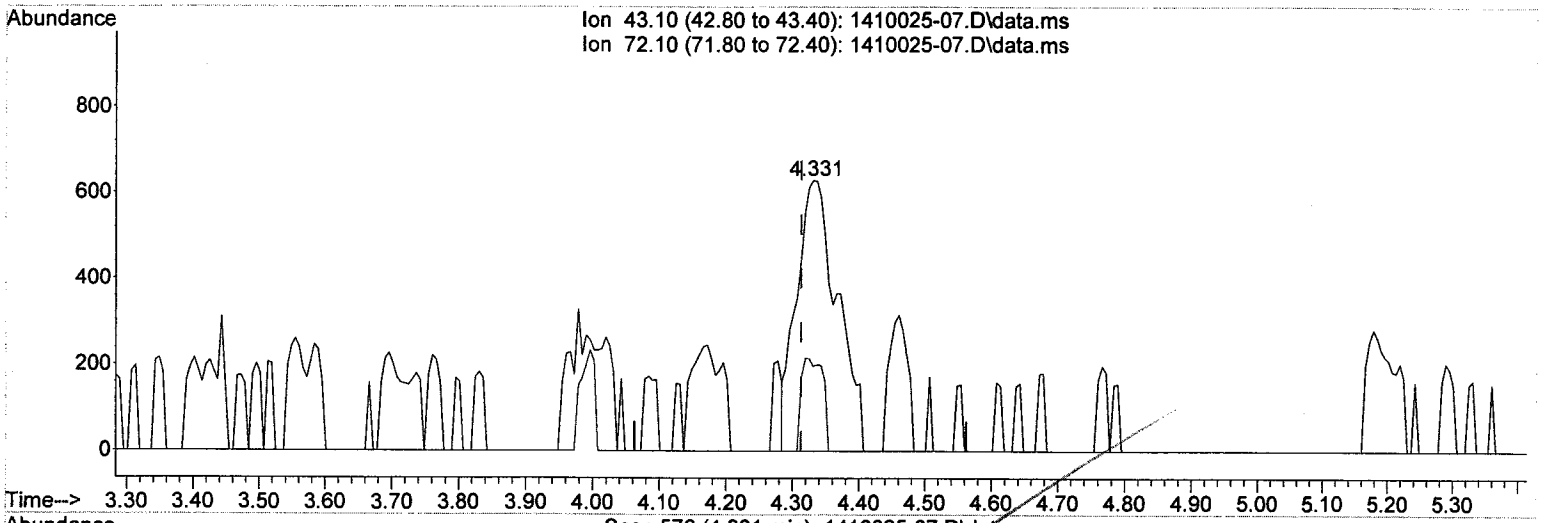
2.231min (+ 0.006) 11.49 ug/L

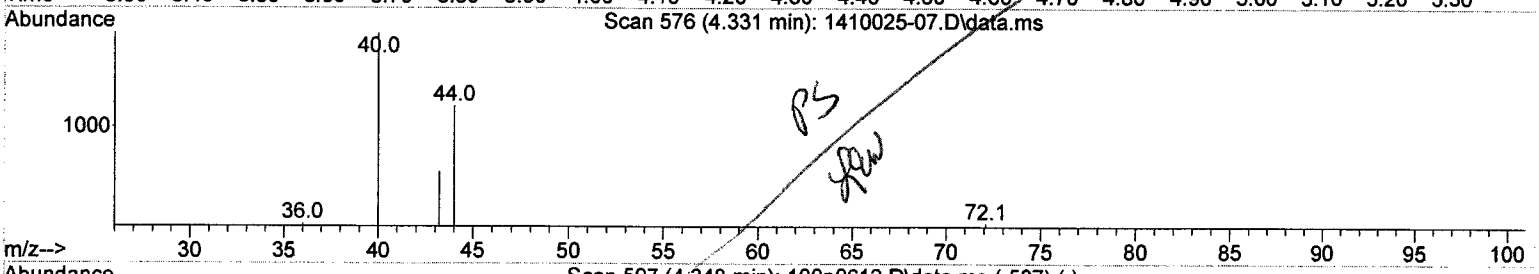
response 22841

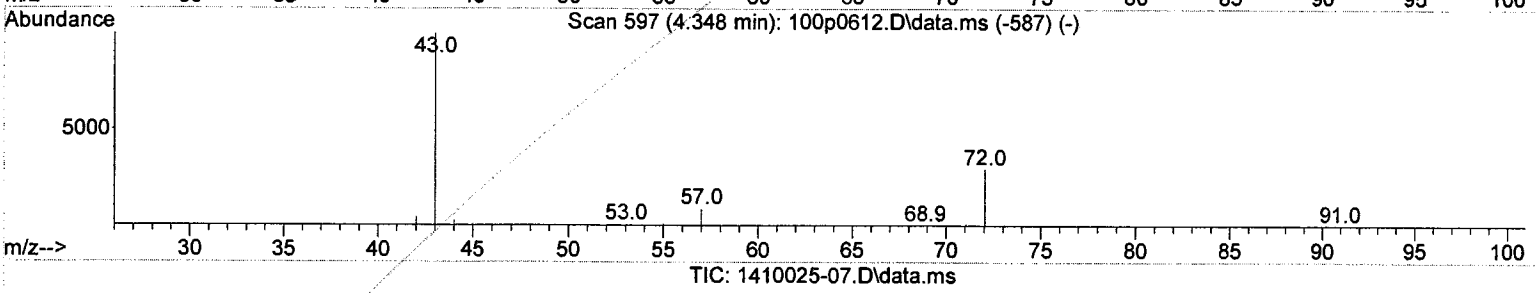
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	29.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-07.D
Acq On : 10 Oct 2014 12:09
Operator : DLV
Sample : 1410025-07
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 10 12:30:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410025-07.D\data.ms

(25) 2-butanone (MEK)

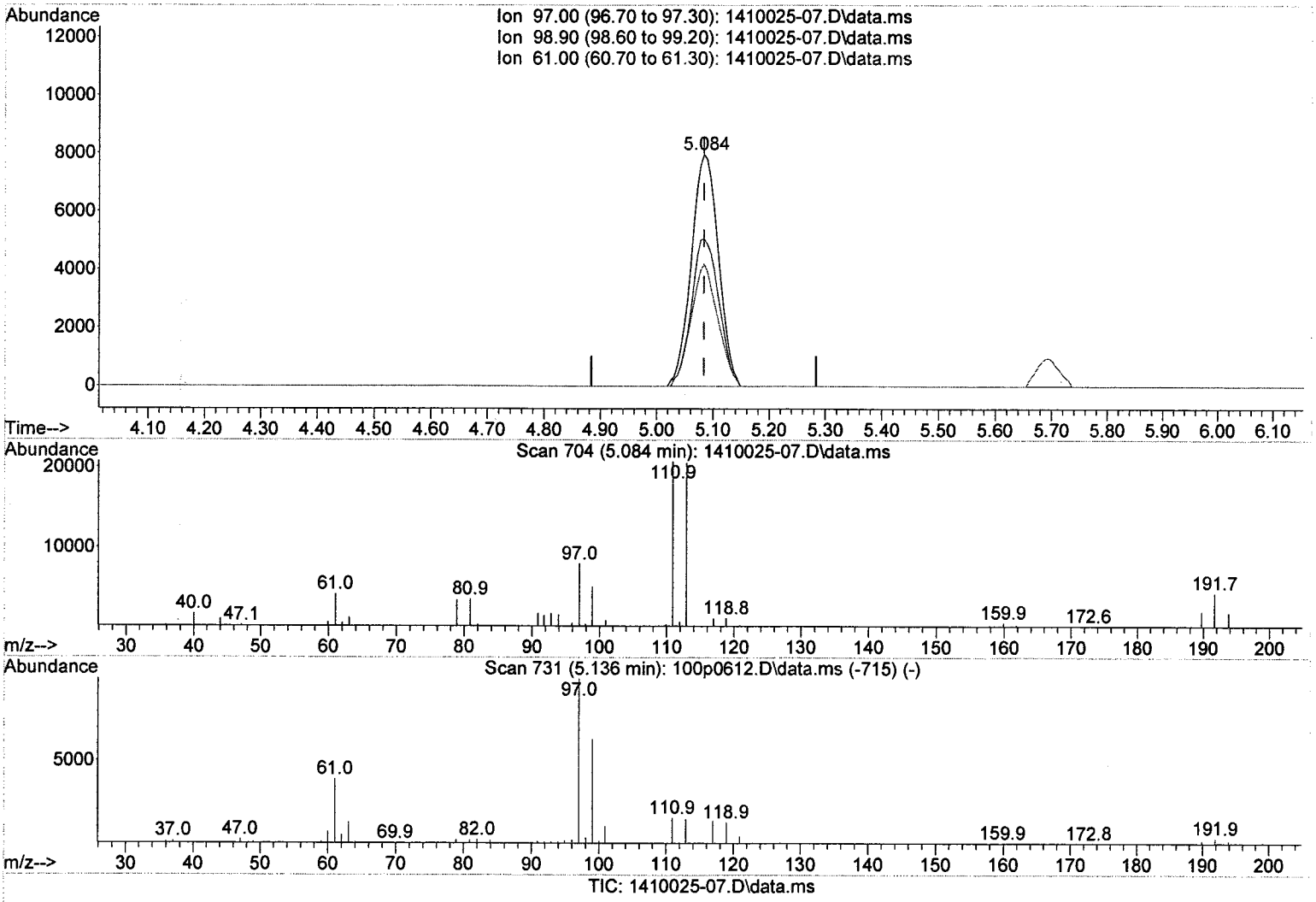
4.331min (+ 0.018) 1.37 ug/L

response 2677

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-07.D
Acq On : 10 Oct 2014 12:09
Operator : DLV
Sample : 1410025-07
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 10 12:30:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-07.D\data.ms

(30) 1,1,1-trichloroethane

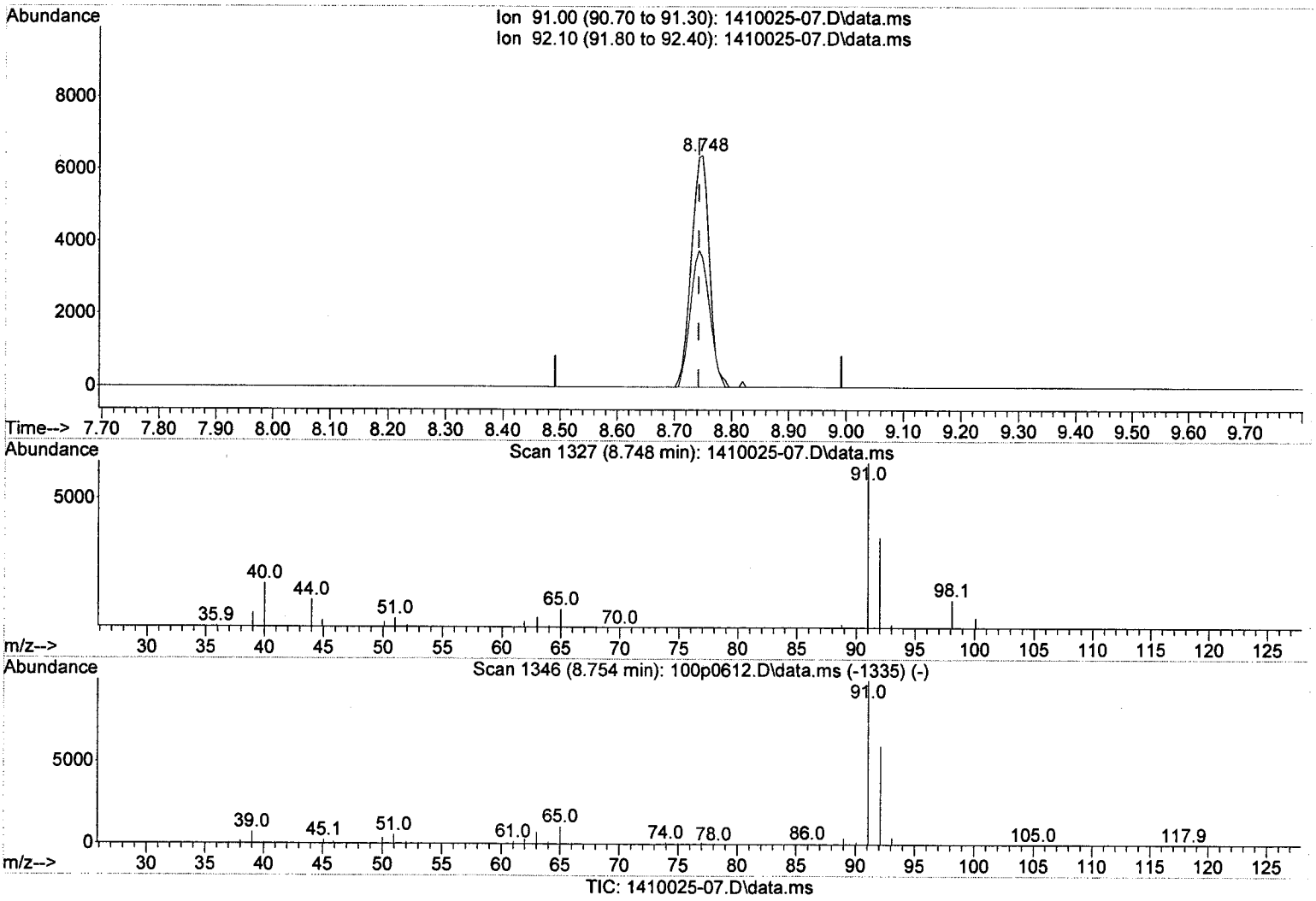
5.084min (-0.000) 4.58 ug/L

response 26509

Ion	Exp%	Act%
97.00	100.00	100.00
98.90	62.60	64.95
61.00	48.30	51.82
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-07.D
Acq On : 10 Oct 2014 12:09
Operator : DLV
Sample : 1410025-07
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 10 12:30:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-07.D\data.ms

(47) toluene (C)

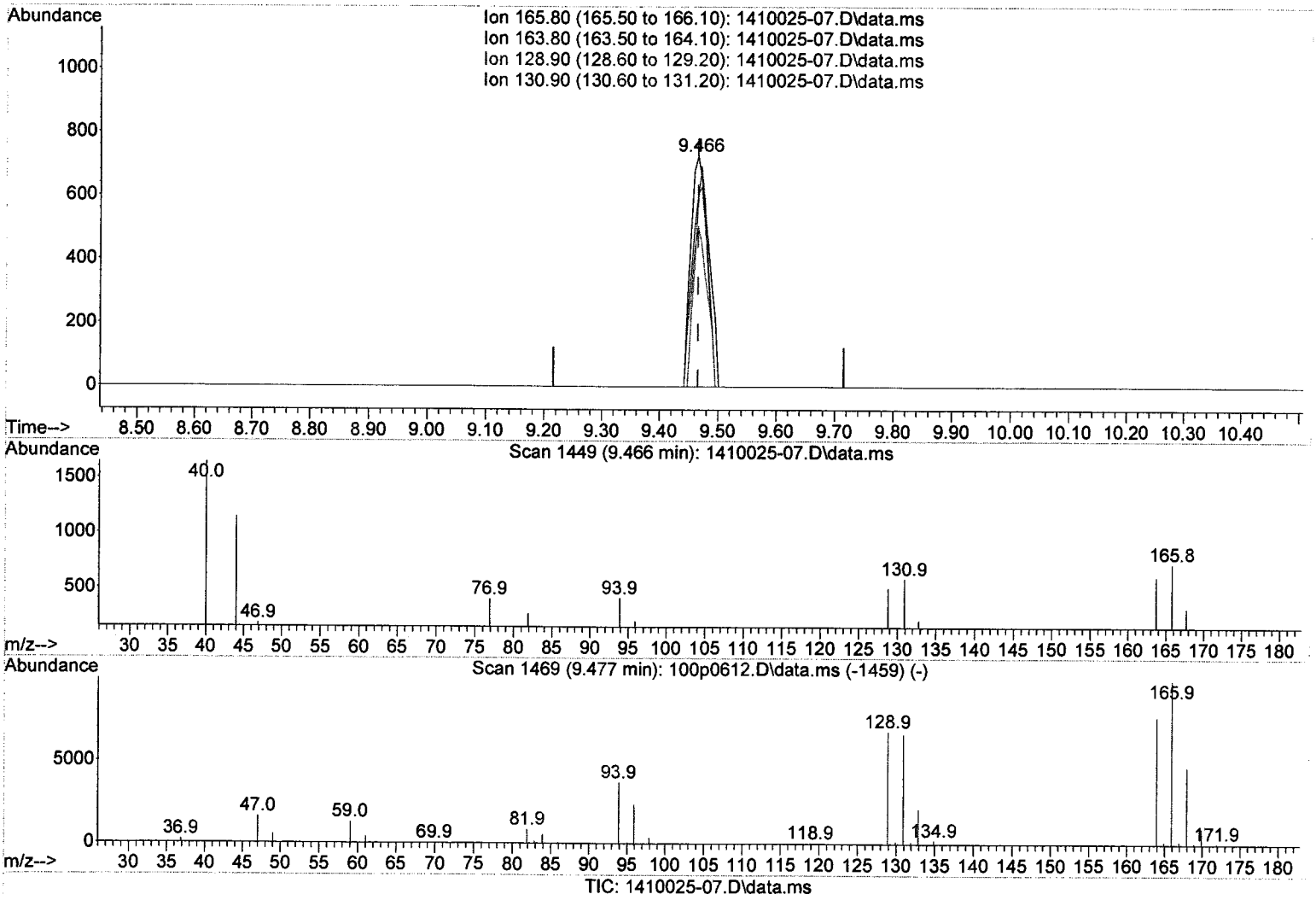
8.748min (+ 0.006) 0.75 ug/L

response 13936

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	62.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-07.D
Acq On : 10 Oct 2014 12:09
Operator : DLV
Sample : 1410025-07
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 10 12:30:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-07.D\data.ms

(51) tetrachloroethene

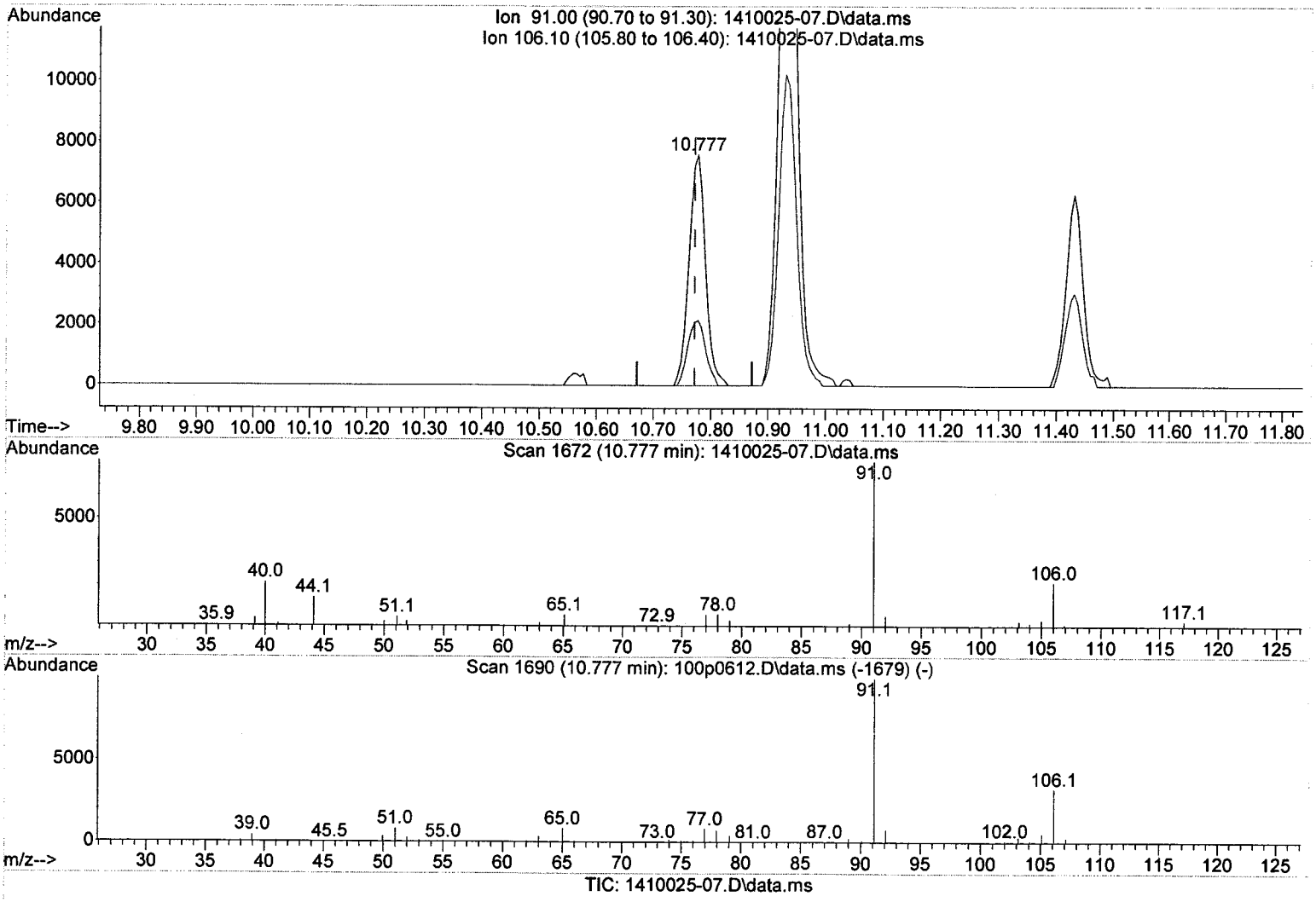
9.466min (-0.000) 0.31 ug/L

response 1533

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	78.00	0.00#
128.90	74.10	0.00#
130.90	70.00	0.00#

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-07.D
Acq On : 10 Oct 2014 12:09
Operator : DLV
Sample : 1410025-07
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 10 12:30:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-07.D\data.ms

(59) ethylbenzene (C)

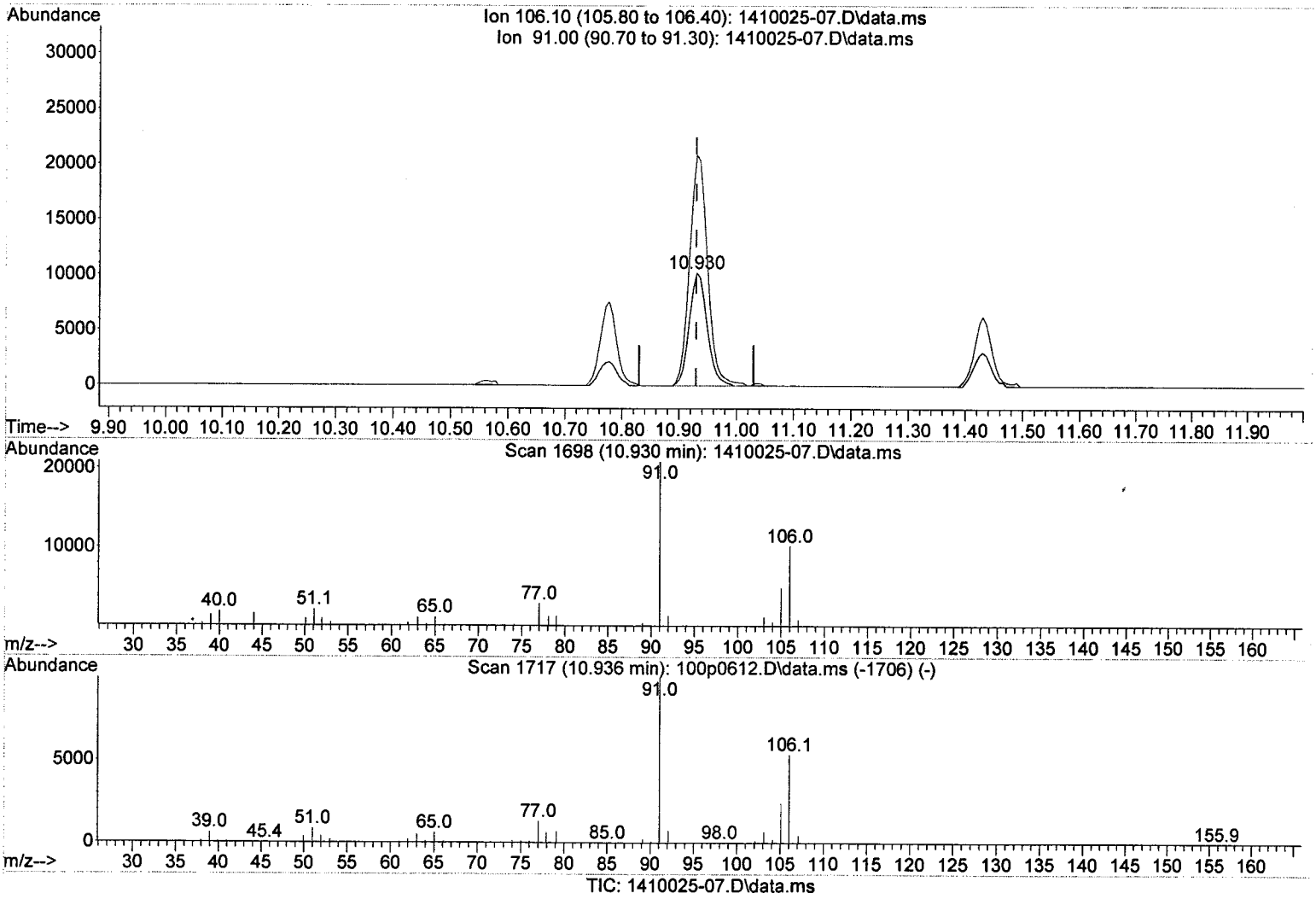
10.777min (+ 0.005) 0.74 ug/L

response 15075

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	30.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-07.D
Acq On : 10 Oct 2014 12:09
Operator : DLV
Sample : 1410025-07
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 10 12:30:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410025-07.D\data.ms

(60) m+p-xylene

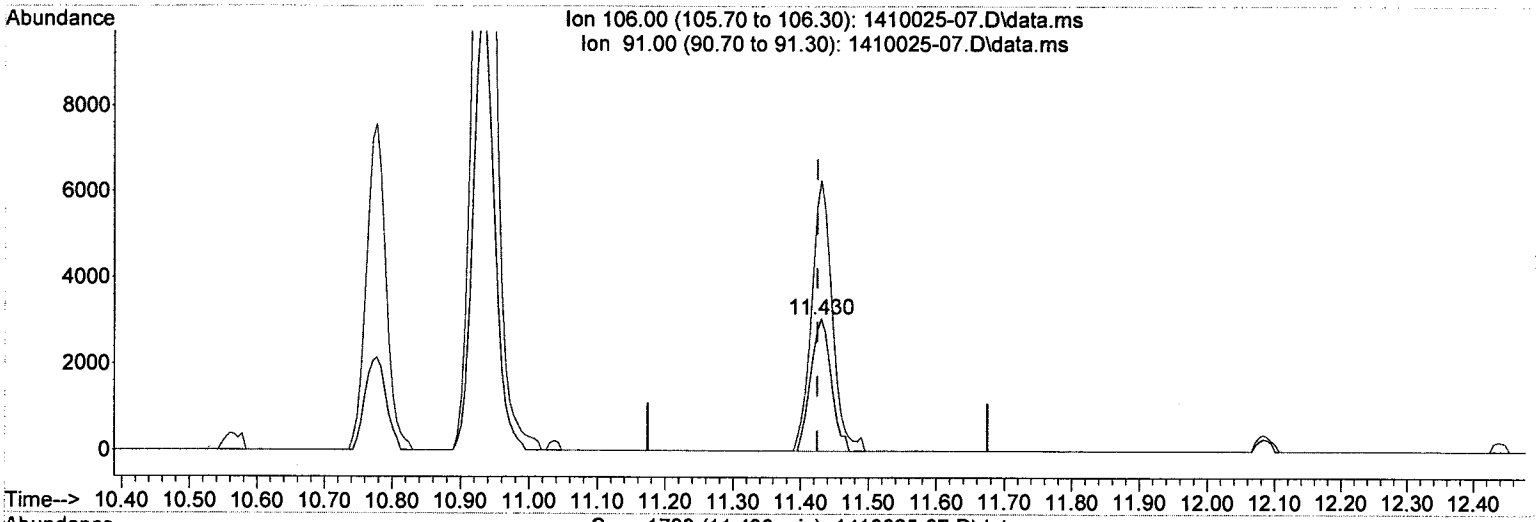
10.930min (+ 0.000) 2.93 ug/L

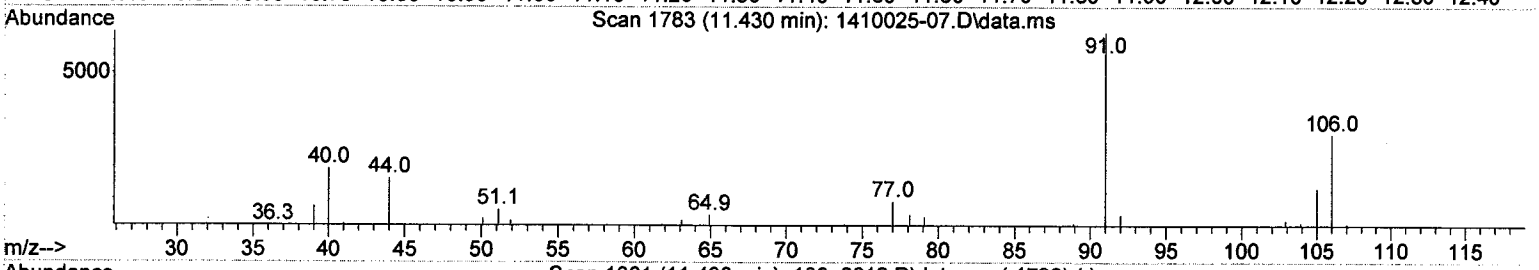
response 21979

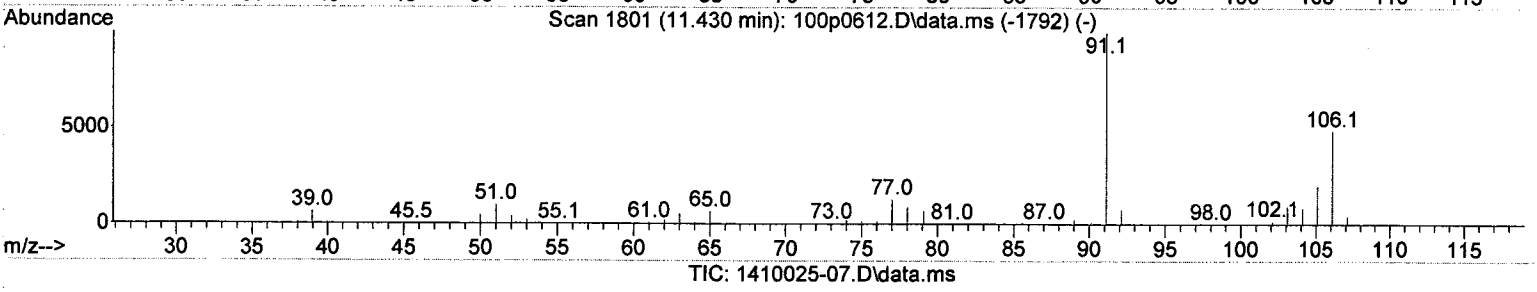
Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	205.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410025-07.D
Acq On : 10 Oct 2014 12:09
Operator : DLV
Sample : 1410025-07
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 10 12:30:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410025-07.D\data.ms

(61) o-xylene

11.430min (+ 0.005) 0.90 ug/L

response 6424

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	206.74
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW12-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410025-08 File ID: 1410025-08.D

Sampled: 09/30/14 09:54 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 05:00

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	3.6	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.37	0.10	0.20	1.0	J
106-46-7	1,4-Dichlorobenzene	1	0.44	0.20	0.20	1.0	J
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW12-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410025-08 File ID: 1410025-08.D

Sampled: 09/30/14 09:54 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 05:00

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.63	0.13	0.50	1.0	J
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.6	102	80 - 119	
1,2-Dichloroethane-d4	40.0	41.6	104	81 - 118	
Toluene-d8	40.0	38.5	96	89 - 112	
4-Bromofluorobenzene	40.0	35.8	90	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW12-01

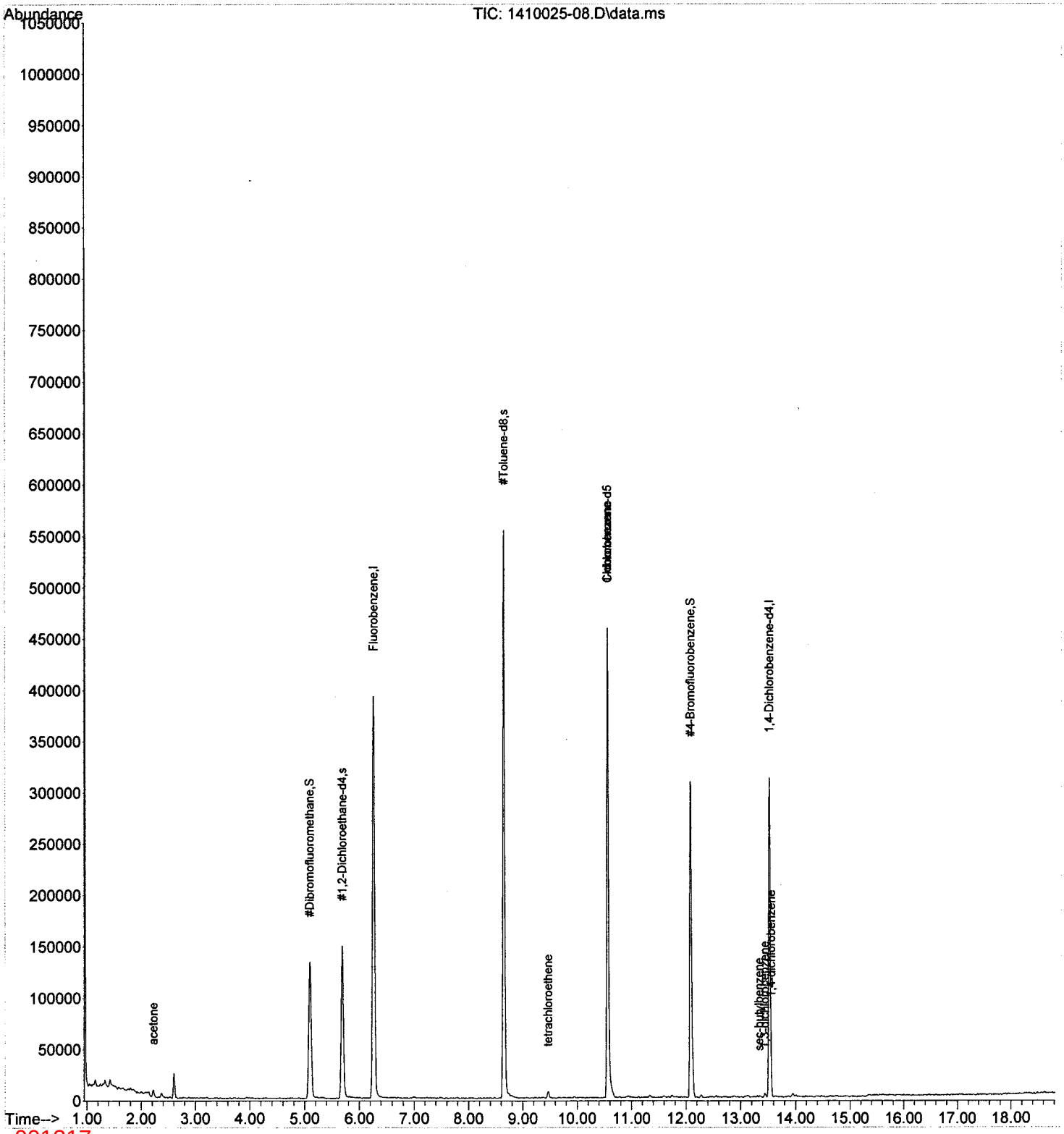
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1410025-08
File ID: 1410025-08.D
Sampled: 09/30/14 09:54
Prepared: 10/02/14 15:00
Analyzed: 10/03/14 05:00
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	498539	6.266	523953	6.266	
Chlorobenzene-d5	335286	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	109182	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-08.D
Acq On : 03 Oct 2014 05:00
Operator : DLV
Sample : 1410025-08
Misc : AECOM
ALS Vial : 49 Sample Multiplier: 1
Quant Time: Oct 04 11:43:27 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-08.D
Acq On : 03 Oct 2014 05:00
Operator : DLV
Sample : 1410025-08
Misc : AECOM
ALS Vial : 49 Sample Multiplier: 1
Quant Time: Oct 04 11:43:27 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	498539	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	335286	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	109182	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.095	111	134103	40.64	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.60%			
37) #1,2-Dichloroethane-d4	5.684	67	85307	41.64	ug/L	0.00
Spiked Amount 40.000			Recovery = 104.10%			
46) #Toluene-d8	8.654	98	467597	38.49	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.23%			
64) #4-Bromofluorobenzene	12.083	95	149641	35.82	ug/L	0.00
Spiked Amount 40.000			Recovery = 89.55%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	7803	3.63	ug/L	97
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.601	49	13935	Below Cal		96
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	17334	No Calib		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

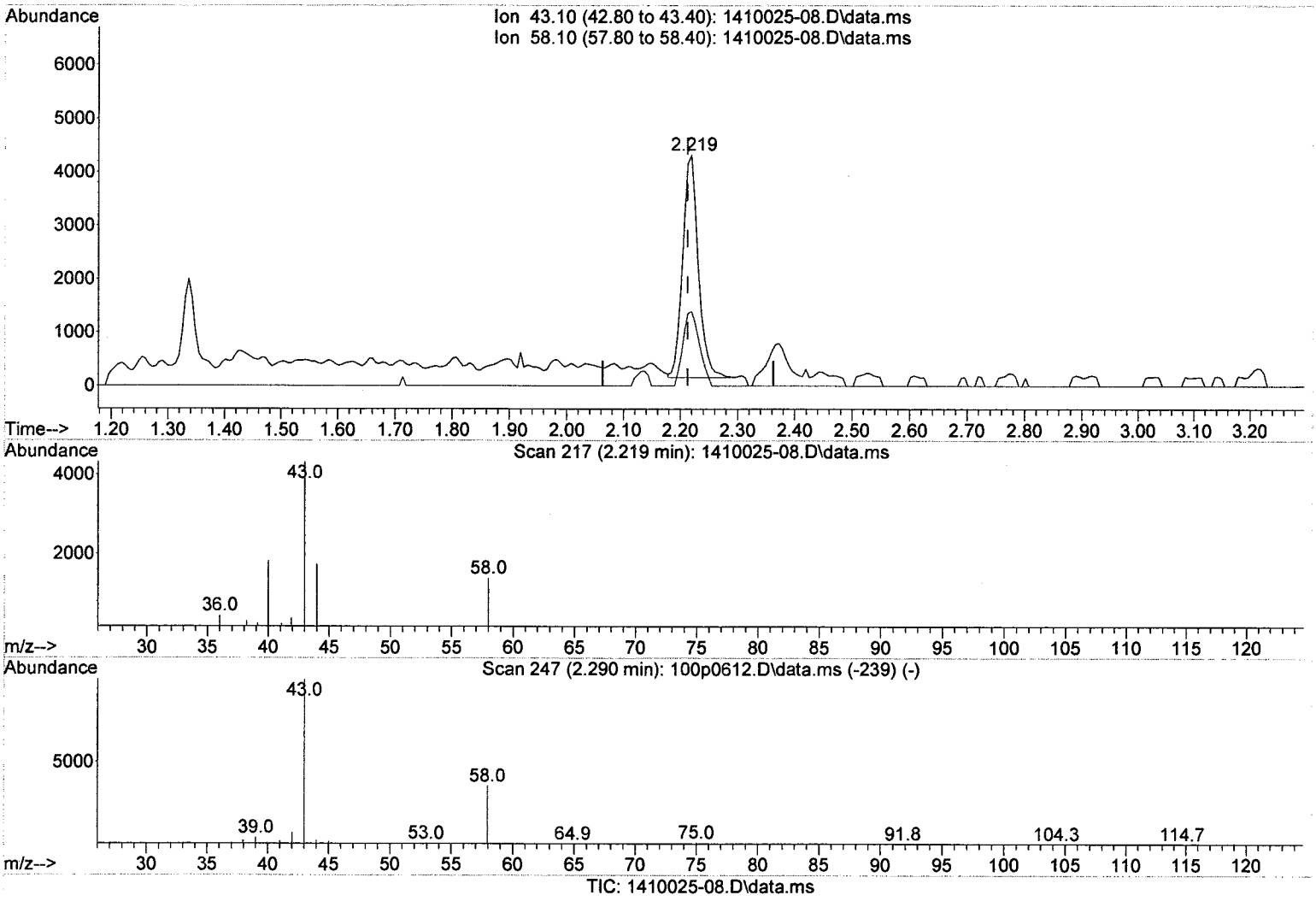
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-08.D
Acq On : 03 Oct 2014 05:00
Operator : DLV
Sample : 1410025-08
Misc : AECOM
ALS Vial : 49 Sample Multiplier: 1
Quant Time: Oct 04 11:43:27 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.		
40) 1,2-dichloropropane	0.000		0	N.D.		
41) dibromomethane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 2-chloroethyl vinyl ether	0.000		0	N.D.		
44) cis-1,3-dichloropropene	0.000		0	N.D.		
45) 4-methyl-2-pentanone (...	0.000		0	N.D.		
47) toluene	0.000		0	N.D.		
48) trans-1,3-dichloropropene	0.000		0	N.D.		
49) 1,1,2-trichloroethane	0.000		0	N.D.		
51) tetrachloroethene	9.466	166	2499	0.63	ug/L	91
52) 1,3-dichloropropane	0.000		0	N.D.		
53) 2-hexanone (MBK)	0.000		0	N.D.		
54) dibromochloromethane	0.000		0	N.D.		
55) 1,2-dibromoethane	0.000		0	N.D.		
56) chlorobenzene	0.000		0	N.D.		
57) 1-chlorohexane	10.560	55	2965	0.88	ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59) ethylbenzene	0.000		0	N.D.		
60) m+p-xylene	0.000		0	N.D.		
61) o-xylene	0.000		0	N.D.		
62) styrene	0.000		0	N.D.		
63) bromoform	0.000		0	N.D.		
66) isopropylbenzene	0.000		0	N.D.		
67) bromobenzene	0.000		0	N.D.		
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69) 1,2,3-trichloropropane	0.000		0	N.D.		
70) 1,4-dichloro-2-butene	0.000		0	N.D.		
71) n-propylbenzene	0.000		0	N.D.		
72) 2-chlorotoluene	0.000		0	N.D.		
73) 1,3,5-trimethylbenzene	0.000		0	N.D.		
74) 4-chlorotoluene	0.000		0	N.D.		
75) tert-butylbenzene	0.000		0	N.D.		
76) 1,2,4-trimethylbenzene	0.000		0	N.D.		
77) sec-butylbenzene	13.342	105	1212	0.11	ug/L #	57
78) 1,3-dichlorobenzene	13.442	146	1879	0.37	ug/L #	24
79) 4-isopropyltoluene	0.000		0	N.D.		
80) 1,4-dichlorobenzene	13.560	146	2250	0.44	ug/L #	47
81) 1,2-dichlorobenzene	0.000		0	N.D.		
82) n-butylbenzene	0.000		0	N.D.		
83) hexachloroethane	0.000		0	N.D.		
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85) 1,2,4-trichlorobenzene	0.000		0	N.D.		
86) hexachlorobutadiene	0.000		0	N.D.		
87) naphthalene	0.000		0	N.D.		
88) 1,2,3-trichlorobenzene	0.000		0	N.D.		
89) 2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-08.D
Acq On : 03 Oct 2014 05:00
Operator : DLV
Sample : 1410025-08
Misc : AECOM
ALS Vial : 49 Sample Multiplier: 1
Quant Time: Oct 03 06:48:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1410025-08.D\data.ms

(13) acetone

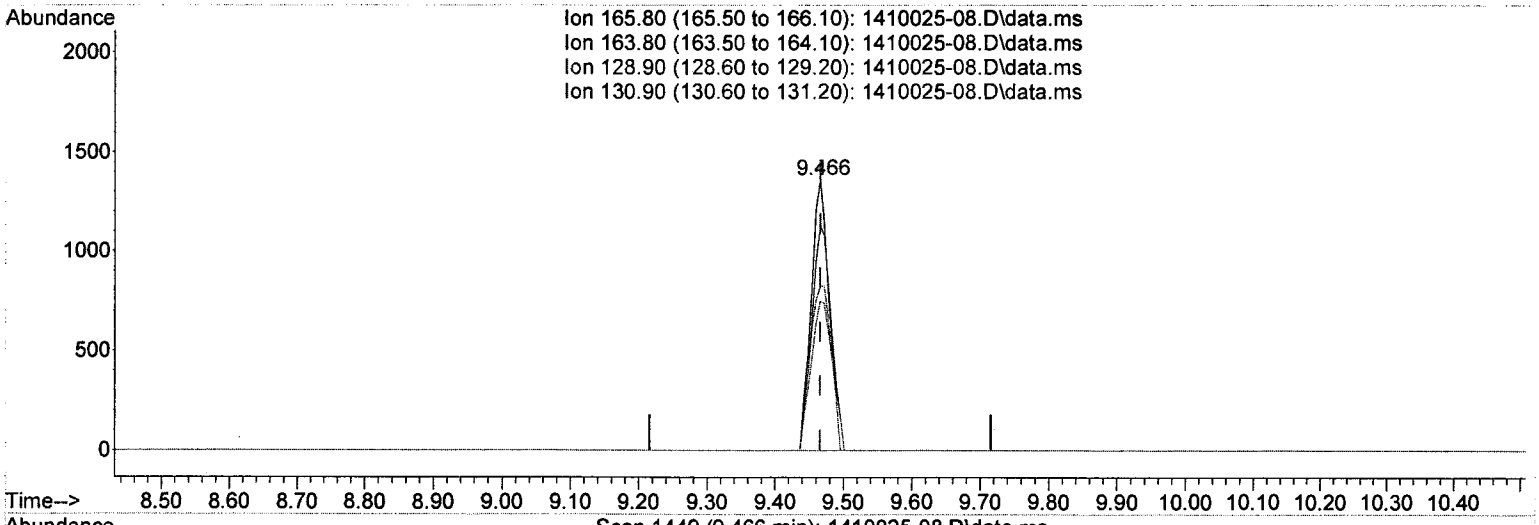
2.219min (+ 0.006) 3.63 ug/L

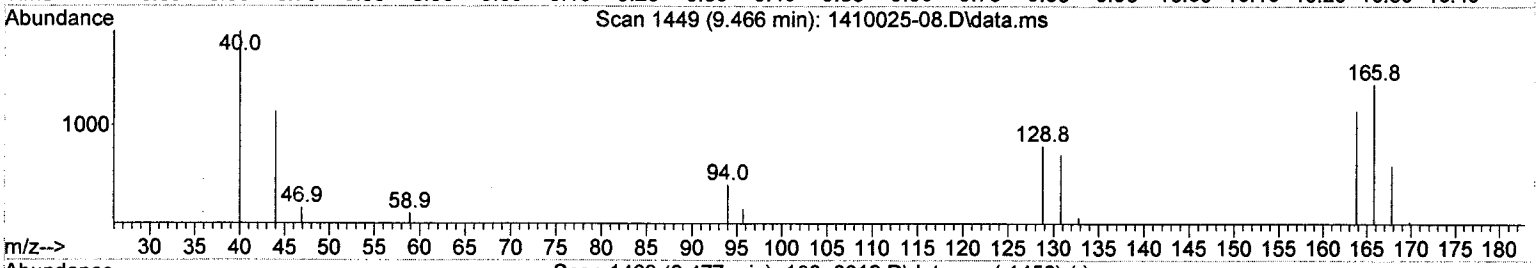
response 7803

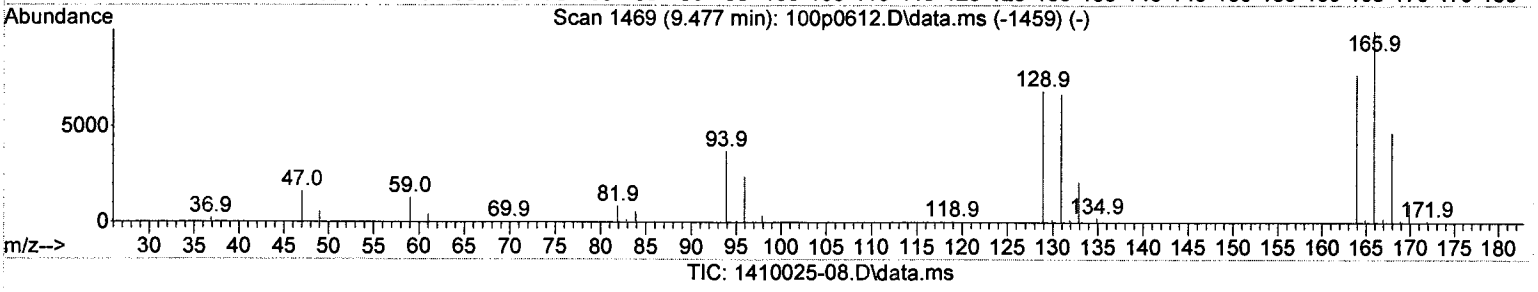
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	35.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-08.D
Acq On : 03 Oct 2014 05:00
Operator : DLV
Sample : 1410025-08
Misc : AECOM
ALS Vial : 49 Sample Multiplier: 1
Quant Time: Oct 03 06:48:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: 1410025-08.D\data.ms

(51) tetrachloroethene

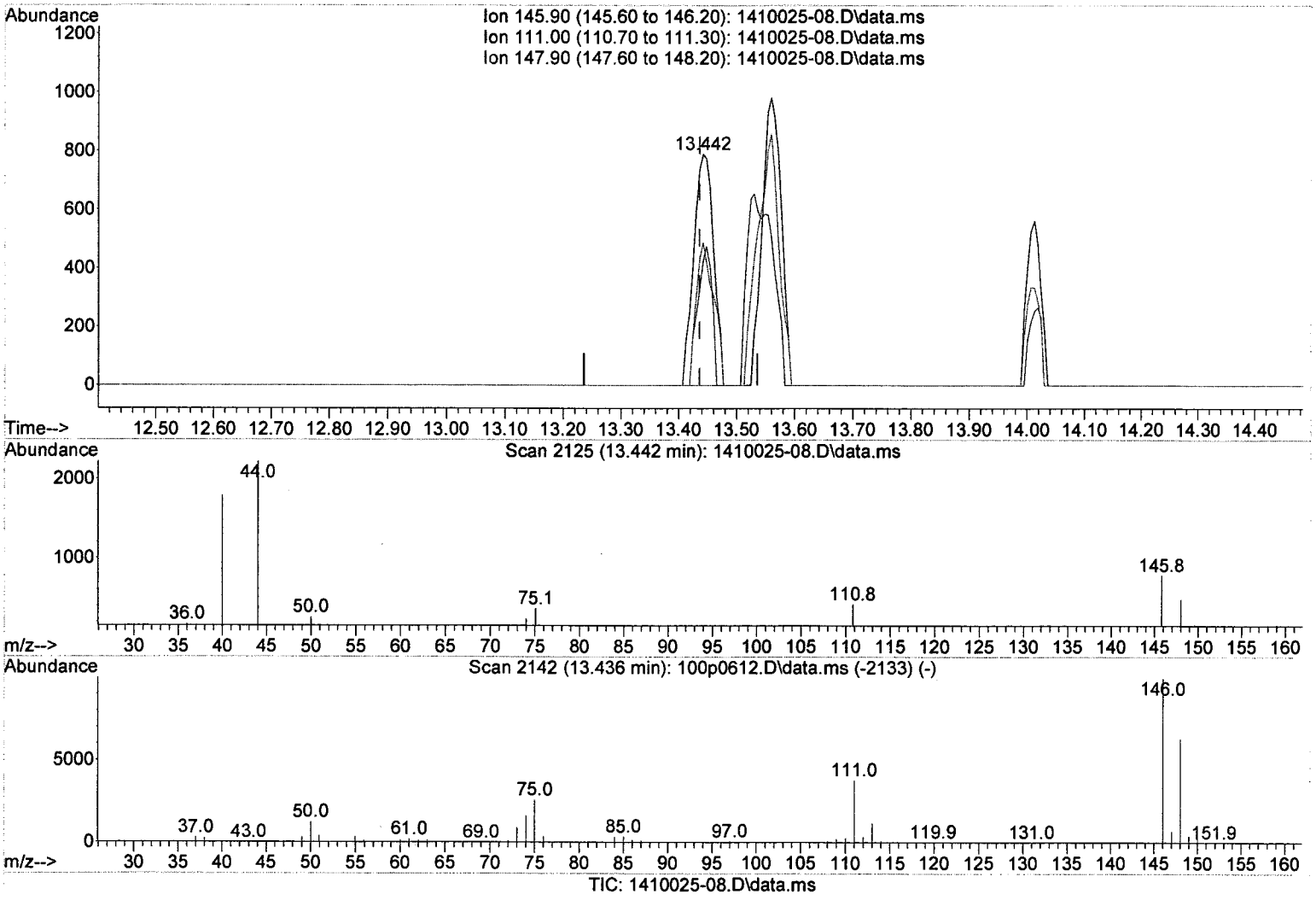
9.466min (-0.000) 0.63 ug/L

response 2499

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	80.80	89.84
128.90	76.40	70.15
130.90	72.60	64.51

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-08.D
Acq On : 03 Oct 2014 05:00
Operator : DLV
Sample : 1410025-08
Misc : AECOM
ALS Vial : 49 Sample Multiplier: 1
Quant Time: Oct 03 06:48:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1410025-08.D\data.ms

(78) 1,3-dichlorobenzene

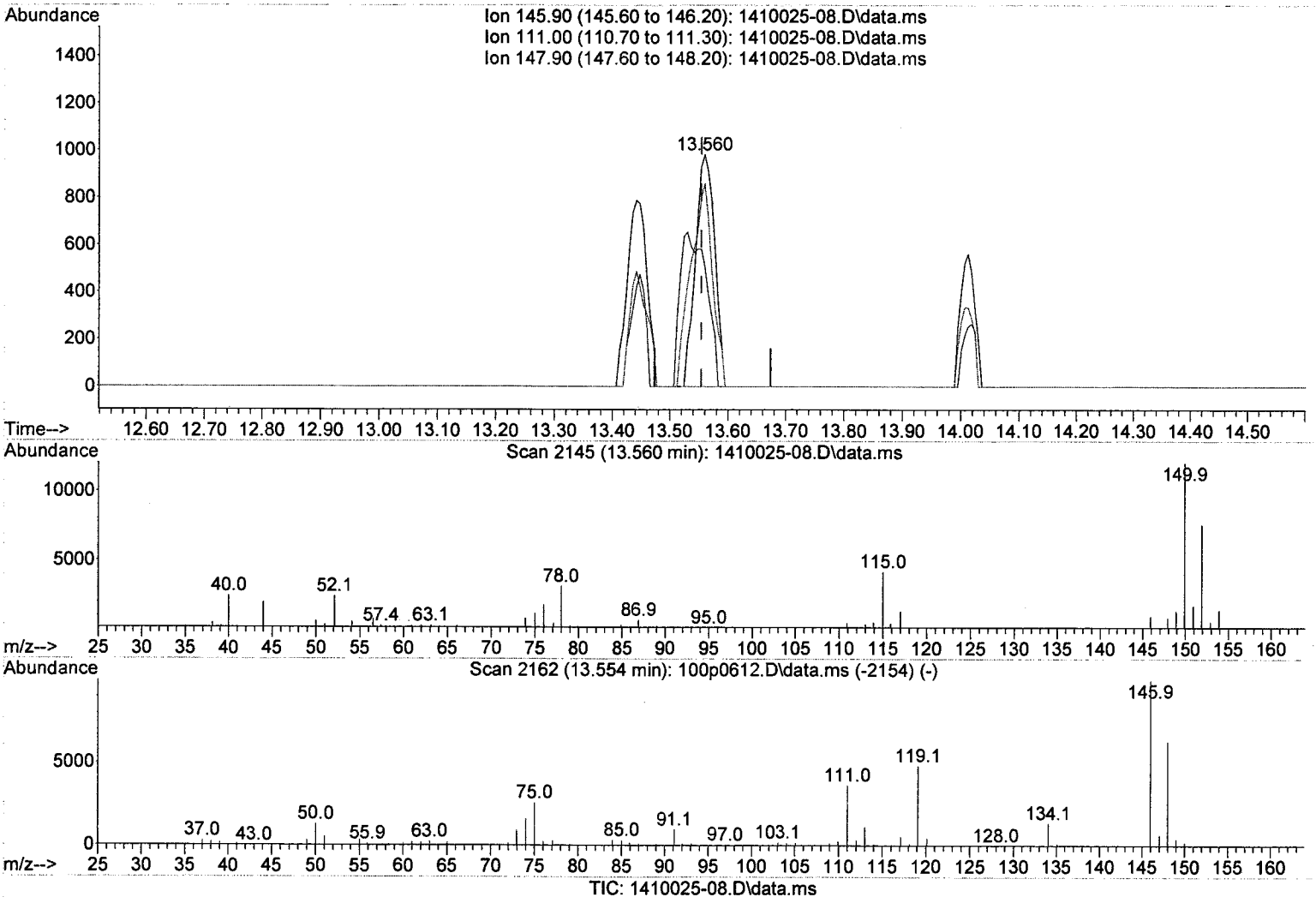
13.442min (+ 0.006) 0.37 ug/L

response 1879

Ion	Exp%	Act%
145.90	100.00	100.00
111.00	39.80	0.00#
147.90	65.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-08.D
Acq On : 03 Oct 2014 05:00
Operator : DLV
Sample : 1410025-08
Misc : AECOM
ALS Vial : 49 Sample Multiplier: 1
Quant Time: Oct 03 06:48:37 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1410025-08.D\data.ms

(80) 1,4-dichlorobenzene

13.560min (+ 0.006) 0.44 ug/L

response 2250

Ion	Exp%	Act%
145.90	100.00	100.00
111.00	38.80	0.00#
147.90	63.10	98.80#
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW13-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410025-09 File ID: 1410025-09.D

Sampled: 09/30/14 11:15 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 05:26

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	2.8	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW13-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410025-09 File ID: 1410025-09.D

Sampled: 09/30/14 11:15 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 05:26

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.62	0.13	0.50	1.0	J
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	40.7	102	80 - 119	
1,2-Dichloroethane-d4	40.0	40.4	101	81 - 118	
Toluene-d8	40.0	38.9	97	89 - 112	
4-Bromofluorobenzene	40.0	36.2	90	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU13GW13-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410025-09 File ID: 1410025-09.D

Sampled: 09/30/14 11:15 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 05:26

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

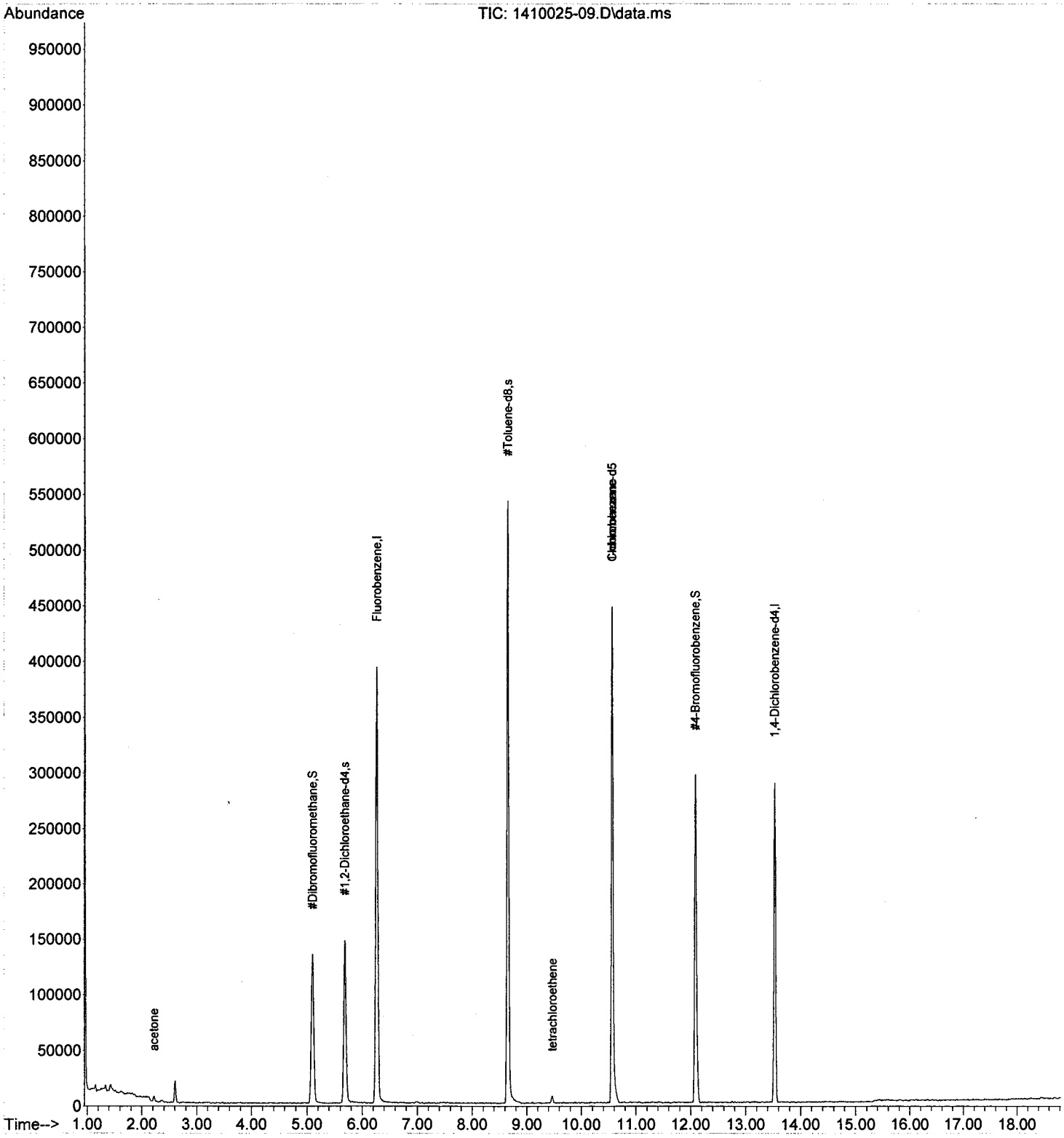
QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	497082	6.266	523953	6.266	
Chlorobenzene-d5	332918	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	102863	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-09.D
Acq On : 03 Oct 2014 05:26
Operator : DLV
Sample : 1410025-09
Misc : AECOM
ALS Vial : 50 Sample Multiplier: 1
Quant Time: Oct 04 11:43:30 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-09.D
Acq On : 03 Oct 2014 05:26
Operator : DLV
Sample : 1410025-09
Misc : AECOM
ALS Vial : 50 Sample Multiplier: 1
Quant Time: Oct 04 11:43:30 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	497082	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	332918	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	102863	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	133971	40.72	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.80%			
37) #1,2-Dichloroethane-d4	5.684	67	82502	40.39	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.97%			
46) #Toluene-d8	8.654	98	470828	38.87	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.17%			
64) #4-Bromofluorobenzene	12.083	95	149986	36.15	ug/L	0.00
Spiked Amount 40.000			Recovery = 90.38%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	6466	2.79	ug/L	89
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.601	49	11311	Below Cal		97
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	17445	No Calib	#	
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

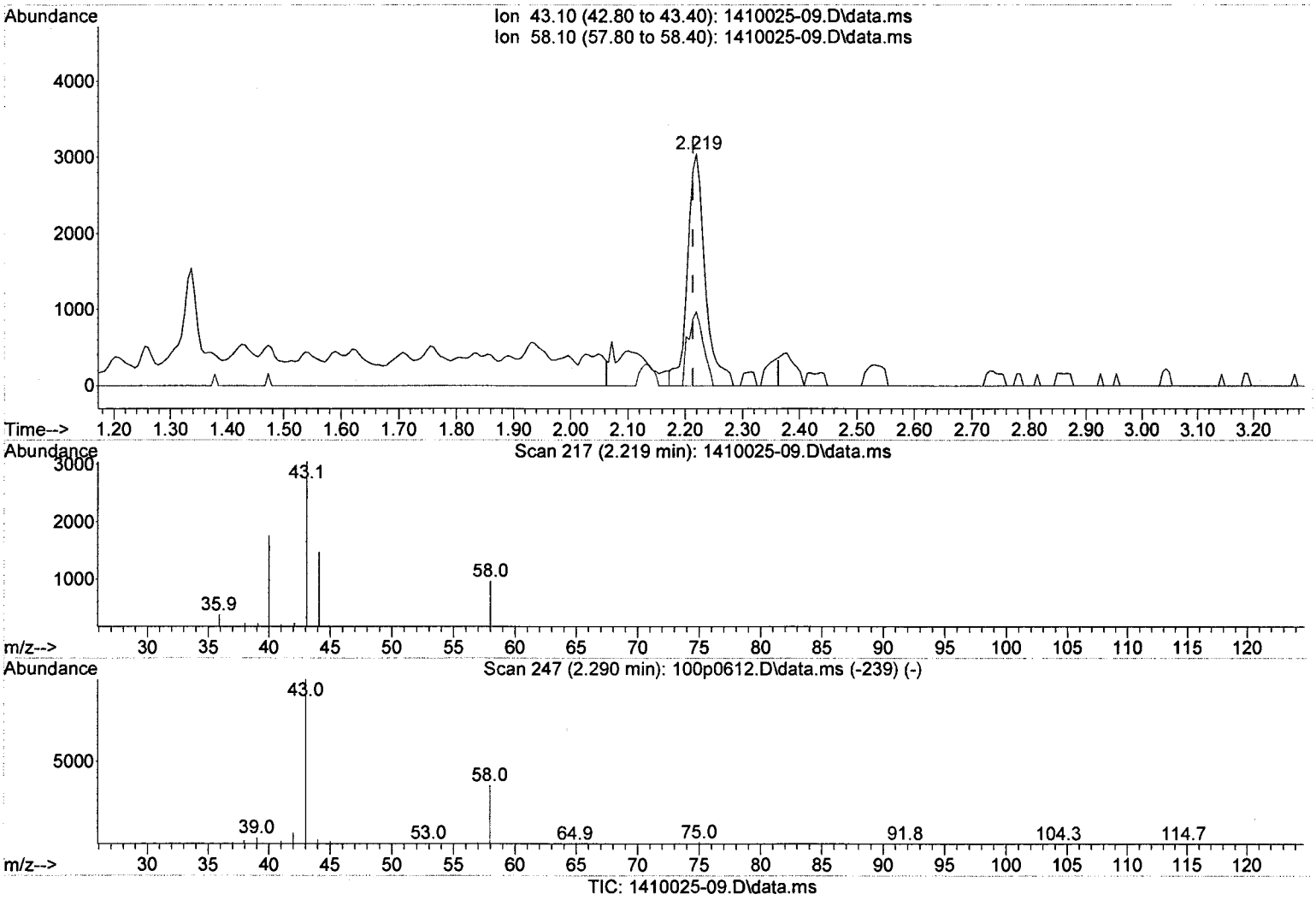
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-09.D
Acq On : 03 Oct 2014 05:26
Operator : DLV
Sample : 1410025-09
Misc : AECOM
ALS Vial : 50 Sample Multiplier: 1
Quant Time: Oct 04 11:43:30 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	9.472	166	2438	0.62 ug/L	94
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2936	0.88 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-09.D
Acq On : 03 Oct 2014 05:26
Operator : DLV
Sample : 1410025-09
Misc : AECOM
ALS Vial : 50 Sample Multiplier: 1
Quant Time: Oct 03 06:48:40 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1410025-09.D\data.ms

(13) acetone

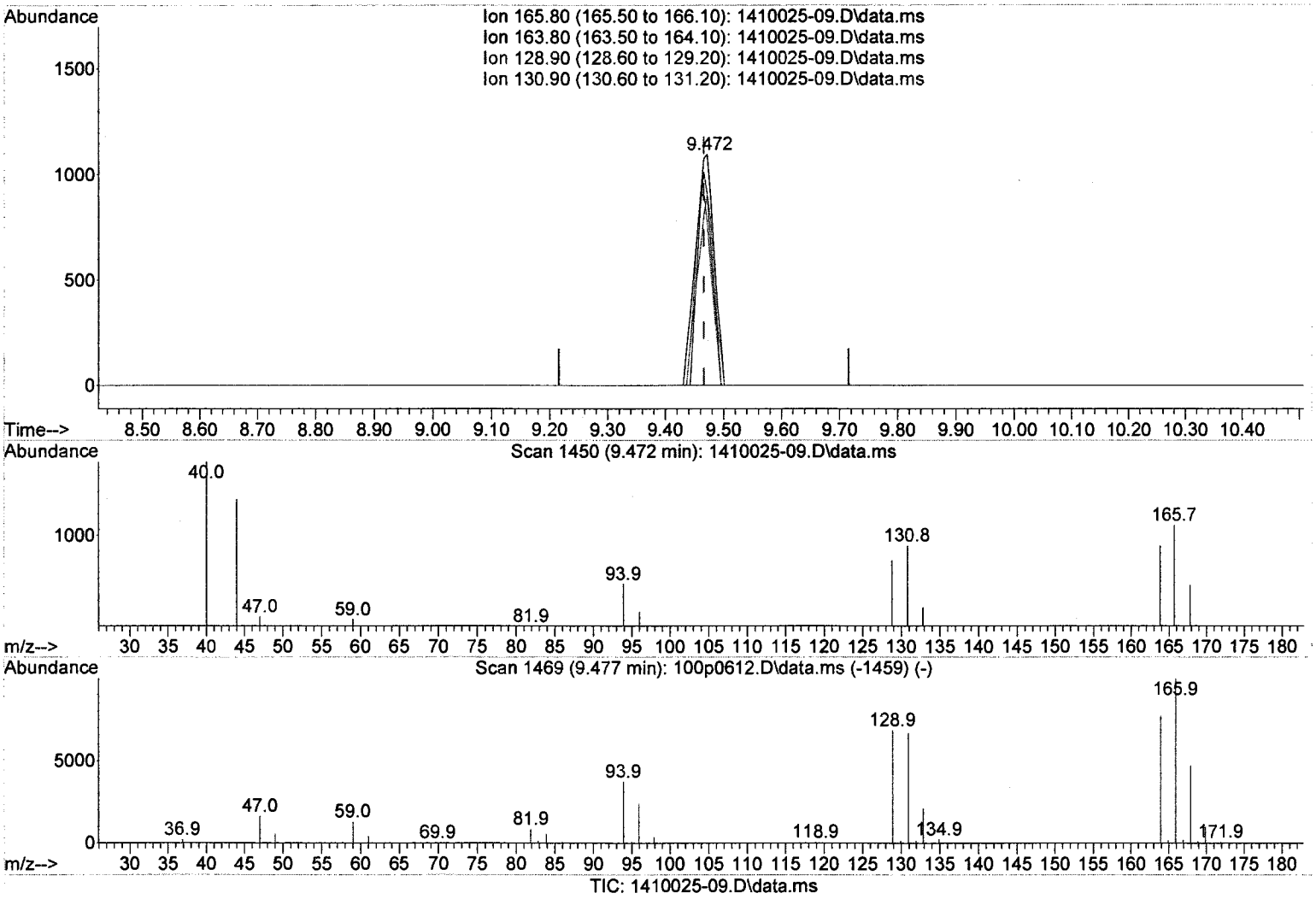
2.219min (+ 0.006) 2.79 ug/L

response 6466

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	27.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-09.D
Acq On : 03 Oct 2014 05:26
Operator : DLV
Sample : 1410025-09
Misc : AECOM
ALS Vial : 50 Sample Multiplier: 1
Quant Time: Oct 03 06:48:40 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



(51) tetrachloroethene

9.472min (+ 0.006) 0.62 ug/L

response 2438

Ion	Exp%	Act%
165.80	100.00	100.00
163.80	80.80	71.33
128.90	76.40	71.94
130.90	72.60	74.45

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB093014JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410025-10 File ID: 1410025-10.D

Sampled: 09/30/14 12:20 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 05:53

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	2.8	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB093014JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410025-10 File ID: 1410025-10.D

Sampled: 09/30/14 12:20 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 05:53

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	39.8	100	80 - 119	
1,2-Dichloroethane-d4	40.0	41.6	104	81 - 118	
Toluene-d8	40.0	39.1	98	89 - 112	
4-Bromofluorobenzene	40.0	35.4	88	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB093014JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410025-10 File ID: 1410025-10.D

Sampled: 09/30/14 12:20 Prepared: 10/02/14 15:00 Analyzed: 10/03/14 05:53

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

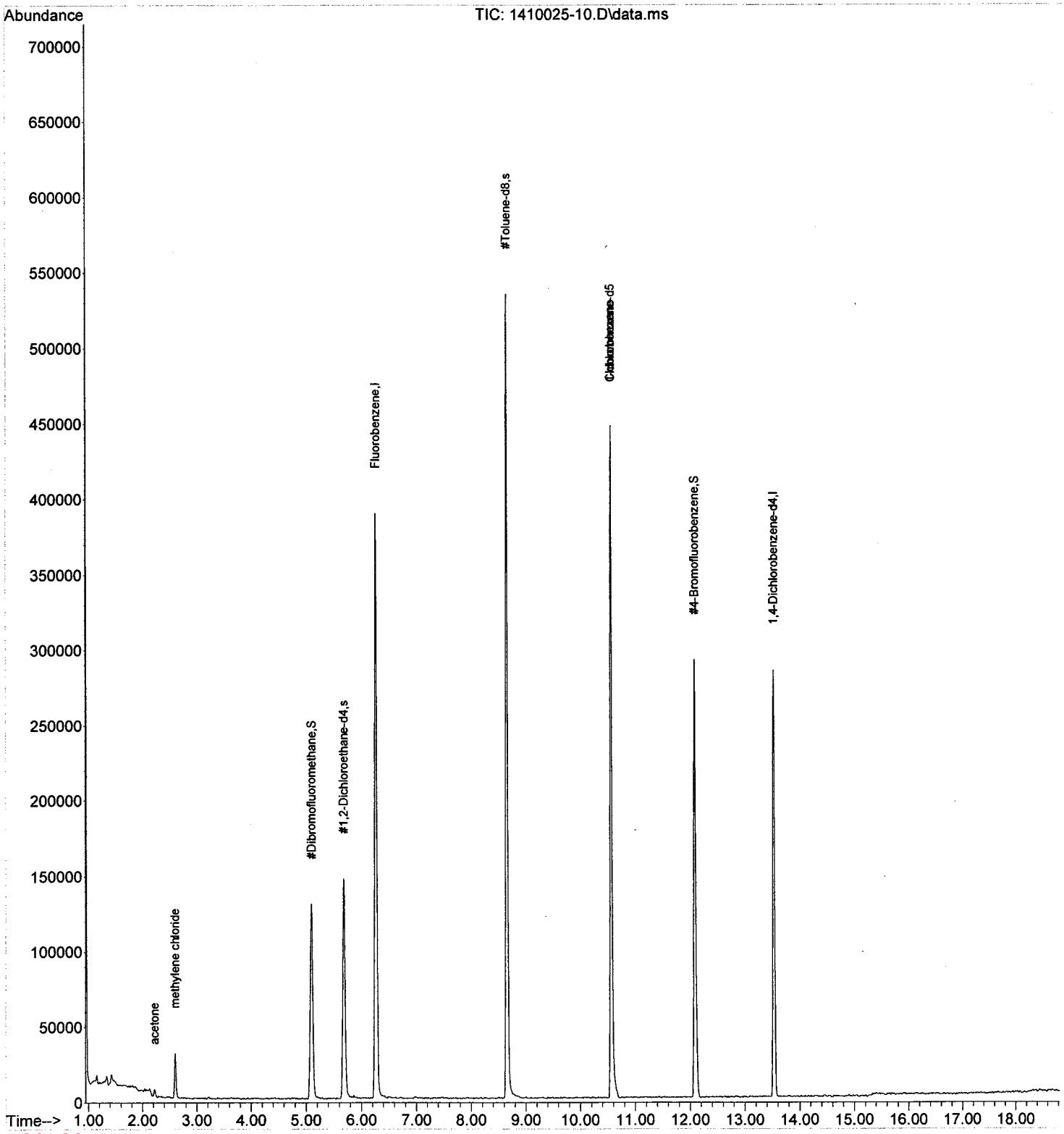
QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	486557	6.266	523953	6.266	
Chlorobenzene-d5	333700	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	105011	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-10.D
Acq On : 03 Oct 2014 05:53
Operator : DLV
Sample : 1410025-10
Misc : AECOM
ALS Vial : 51 Sample Multiplier: 1
Quant Time: Oct 04 11:43:33 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-10.D
Acq On : 03 Oct 2014 05:53
Operator : DLV
Sample : 1410025-10
Misc : AECOM
ALS Vial : 51 Sample Multiplier: 1
Quant Time: Oct 04 11:43:33 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	486557	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	333700	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	105011	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	128202	39.81	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.53%		
37) #1,2-Dichloroethane-d4	5.684	67	83129	41.58	ug/L	0.00
Spiked Amount 40.000			Recovery =	103.95%		
46) #Toluene-d8	8.654	98	463631	39.10	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.75%		
64) #4-Bromofluorobenzene	12.083	95	147100	35.38	ug/L	0.00
Spiked Amount 40.000			Recovery =	88.45%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	6267	2.75	ug/L	99
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.601	49	18182	0.23	ug/L	92
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	17402	No Calib	#	
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

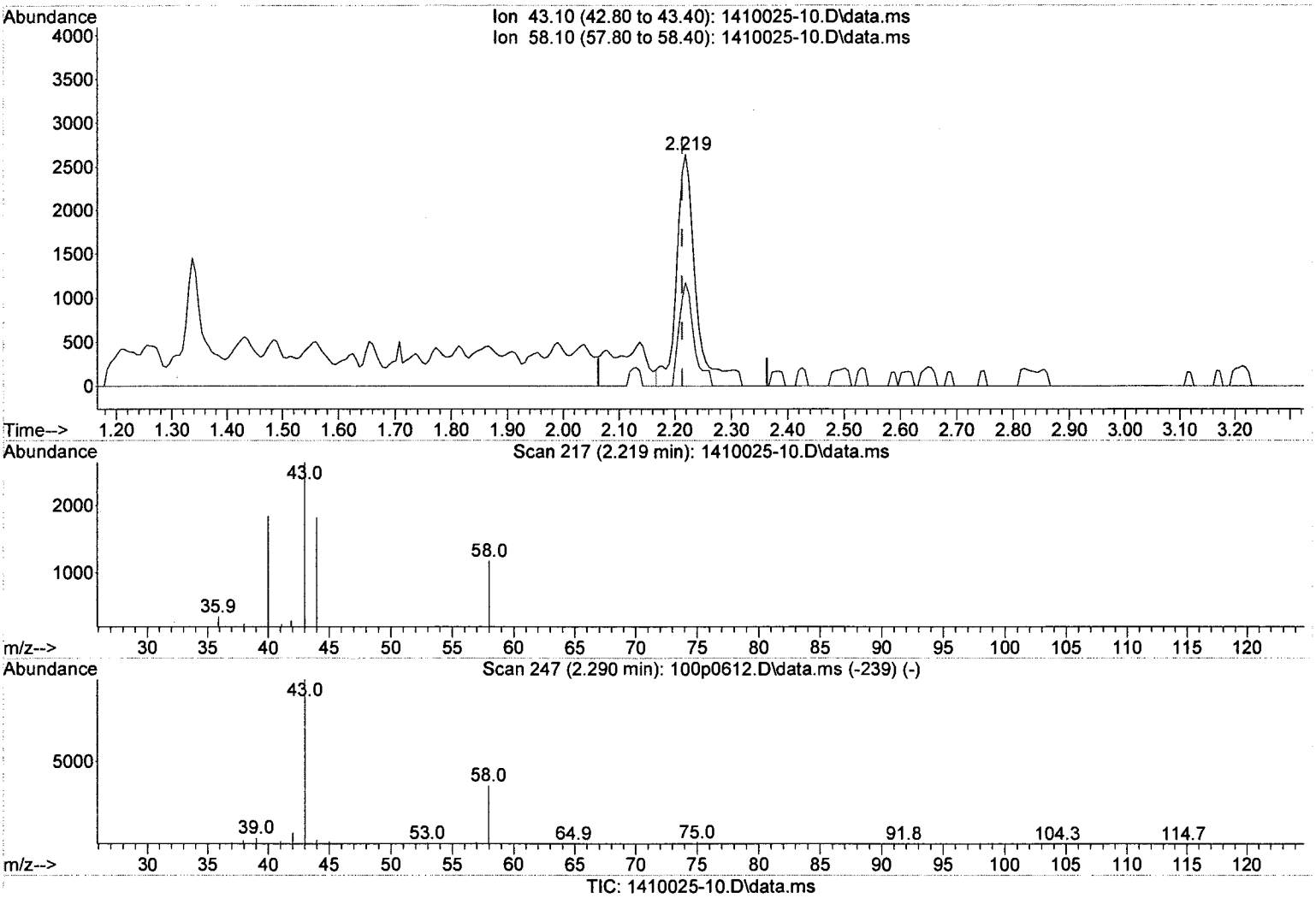
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-10.D
Acq On : 03 Oct 2014 05:53
Operator : DLV
Sample : 1410025-10
Misc : AECOM
ALS Vial : 51 Sample Multiplier: 1
Quant Time: Oct 04 11:43:33 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.	
40)	1,2-dichloropropane	0.000		0	N.D.	
41)	dibromomethane	0.000		0	N.D.	
42)	bromodichloromethane	0.000		0	N.D.	
43)	2-chloroethyl vinyl ether	0.000		0	N.D.	
44)	cis-1,3-dichloropropene	0.000		0	N.D.	
45)	4-methyl-2-pentanone (...	0.000		0	N.D.	
47)	toluene	0.000		0	N.D.	
48)	trans-1,3-dichloropropene	0.000		0	N.D.	
49)	1,1,2-trichloroethane	0.000		0	N.D.	
51)	tetrachloroethene	0.000		0	N.D.	
52)	1,3-dichloropropane	0.000		0	N.D.	
53)	2-hexanone (MBK)	0.000		0	N.D.	
54)	dibromochloromethane	0.000		0	N.D.	
55)	1,2-dibromoethane	0.000		0	N.D.	
56)	chlorobenzene	0.000		0	N.D.	
57)	1-chlorohexane	10.560	55	2090	0.62 ug/L #	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59)	ethylbenzene	0.000		0	N.D.	
60)	m+p-xylene	0.000		0	N.D.	
61)	o-xylene	0.000		0	N.D.	
62)	styrene	0.000		0	N.D.	
63)	bromoform	0.000		0	N.D.	
66)	isopropylbenzene	0.000		0	N.D.	
67)	bromobenzene	0.000		0	N.D.	
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69)	1,2,3-trichloropropane	0.000		0	N.D.	
70)	1,4-dichloro-2-butene	0.000		0	N.D.	
71)	n-propylbenzene	0.000		0	N.D.	
72)	2-chlorotoluene	0.000		0	N.D.	
73)	1,3,5-trimethylbenzene	0.000		0	N.D.	
74)	4-chlorotoluene	0.000		0	N.D.	
75)	tert-butylbenzene	0.000		0	N.D.	
76)	1,2,4-trimethylbenzene	0.000		0	N.D.	
77)	sec-butylbenzene	0.000		0	N.D.	
78)	1,3-dichlorobenzene	0.000		0	N.D.	
79)	4-isopropyltoluene	0.000		0	N.D.	
80)	1,4-dichlorobenzene	0.000		0	N.D.	
81)	1,2-dichlorobenzene	0.000		0	N.D.	
82)	n-butylbenzene	0.000		0	N.D.	
83)	hexachloroethane	0.000		0	N.D.	
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85)	1,2,4-trichlorobenzene	0.000		0	N.D.	
86)	hexachlorobutadiene	0.000		0	N.D.	
87)	naphthalene	0.000		0	N.D.	
88)	1,2,3-trichlorobenzene	0.000		0	N.D.	
89)	2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1410025-10.D
Acq On : 03 Oct 2014 05:53
Operator : DLV
Sample : 1410025-10
Misc : AECOM
ALS Vial : 51 Sample Multiplier: 1
Quant Time: Oct 03 06:48:43 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



TIC: 1410025-10.D\data.ms

(13) acetone

2.219min (+ 0.006) 2.75 ug/L

response 6267

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	34.16
0.00	0.00	0.00
0.00	0.00	0.00

001338

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB34-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-01 File ID: 1410085-01.D

Sampled: 10/01/14 09:10 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 12:31

Solids: 95.99 Preparation: 5035A Low Concentratio Initial/Final: 4.4 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	33	5.0	5.9	5.9	B
71-43-2	Benzene	1	0.59	0.19	0.59	1.2	U
108-86-1	Bromobenzene	1	0.59	0.16	0.59	1.2	U
74-97-5	Bromochloromethane	1	0.59	0.17	0.59	1.2	U
75-27-4	Bromodichloromethane	1	0.59	0.21	0.59	1.2	U
75-25-2	Bromoform	1	0.59	0.42	0.59	1.2	U
74-83-9	Bromomethane	1	0.59	0.39	0.59	1.2	U
104-51-8	n-Butylbenzene	1	0.59	0.31	0.59	1.2	U
135-98-8	sec-Butylbenzene	1	0.59	0.25	0.59	1.2	U
98-06-6	tert-Butylbenzene	1	0.59	0.20	0.59	1.2	U
75-15-0	Carbon Disulfide	1	0.33	0.27	0.59	1.2	J
56-23-5	Carbon Tetrachloride	1	0.59	0.39	0.59	1.2	U
108-90-7	Chlorobenzene	1	0.59	0.18	0.59	1.2	U
75-00-3	Chloroethane	1	1.2	0.60	1.2	1.2	U
67-66-3	Chloroform	1	0.59	0.17	0.59	1.2	U
74-87-3	Chloromethane	1	0.59	0.30	0.59	1.2	U
95-49-8	2-Chlorotoluene	1	0.59	0.35	0.59	1.2	U
106-43-4	4-Chlorotoluene	1	0.24	0.24	0.24	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.2	0.70	1.2	5.9	U
124-48-1	Dibromochloromethane	1	0.59	0.22	0.59	1.2	U
106-93-4	1,2-Dibromoethane	1	0.59	0.18	0.59	1.2	U
74-95-3	Dibromomethane	1	0.59	0.27	0.59	1.2	U
95-50-1	1,2-Dichlorobenzene	1	0.24	0.11	0.24	1.2	U
541-73-1	1,3-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
106-46-7	1,4-Dichlorobenzene	1	0.40	0.13	0.24	1.2	J
75-71-8	Dichlorodifluoromethane	1	0.59	0.17	0.59	1.2	U
75-34-3	1,1-Dichloroethane	1	0.59	0.25	0.59	1.2	U
107-06-2	1,2-Dichloroethane	1	0.59	0.27	0.59	1.2	U
75-35-4	1,1-Dichloroethene	1	0.59	0.36	0.59	1.2	U
156-59-2	cis-1,2-Dichloroethene	1	0.59	0.27	0.59	1.2	U
156-60-5	trans-1,2-Dichloroethene	1	0.59	0.32	0.59	1.2	U
78-87-5	1,2-Dichloropropane	1	0.59	0.20	0.59	1.2	U
142-28-9	1,3-Dichloropropane	1	0.59	0.17	0.59	1.2	U
594-20-7	2,2-Dichloropropane	1	0.59	0.27	0.59	1.2	U
563-58-6	1,1-Dichloropropene	1	0.59	0.33	0.59	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1	0.24	0.13	0.24	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1	0.59	0.14	0.59	1.2	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB34-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-01 File ID: 1410085-01.D

Sampled: 10/01/14 09:10 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 12:31

Solids: 95.99 Preparation: 5035A Low Concentratio Initial/Final: 4.4 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.81	0.22	0.59	1.2	J
87-68-3	Hexachlorobutadiene	1	0.59	0.25	0.59	1.2	U
591-78-6	2-Hexanone	1	0.59	0.57	0.59	5.9	U
98-82-8	Isopropylbenzene	1	0.24	0.13	0.24	1.2	U
99-87-6	4-Isopropyltoluene	1	0.59	0.28	0.59	1.2	U
75-09-2	Methylene Chloride	1	1.2	0.55	1.2	5.9	U
78-93-3	2-Butanone (MEK)	1	4.4	1.3	5.9	5.9	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.59	0.46	0.59	5.9	U
91-20-3	Naphthalene	1	110	0.19	0.59	5.9	
103-65-1	n-Propylbenzene	1	0.59	0.14	0.59	1.2	U
100-42-5	Styrene	1	0.24	0.24	0.24	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.59	0.18	0.59	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.59	0.17	0.59	1.2	U
127-18-4	Tetrachloroethene	1	0.59	0.20	0.59	1.2	U
108-88-3	Toluene	1	0.82	0.12	0.24	1.2	J
87-61-6	1,2,3-Trichlorobenzene	1	0.59	0.34	0.59	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1	0.59	0.20	0.59	1.2	U
71-55-6	1,1,1-Trichloroethane	1	0.59	0.17	0.59	1.2	U
79-00-5	1,1,2-Trichloroethane	1	0.59	0.25	0.59	1.2	U
79-01-6	Trichloroethene	1	0.53	0.29	0.59	1.2	J
75-69-4	Trichlorofluoromethane	1	0.59	0.20	0.59	1.2	U
96-18-4	1,2,3-Trichloropropane	1	0.59	0.27	0.59	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1	0.41	0.13	0.59	1.2	J
108-67-8	1,3,5-Trimethylbenzene	1	0.59	0.23	0.59	1.2	U
75-01-4	Vinyl Chloride	1	0.59	0.24	0.59	1.2	U
179601-23-1	Xylene, Meta + Para	1	0.97	0.17	0.47	2.4	J
95-47-6	Xylene, Ortho	1	0.45	0.13	0.24	1.2	J

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.1	105	78 - 119	
1,2-Dichloroethane-d4	40.0	43.6	109	71 - 136	
Toluene-d8	40.0	40.2	100	85 - 116	
4-Bromofluorobenzene	40.0	39.8	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	481834	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB34-15

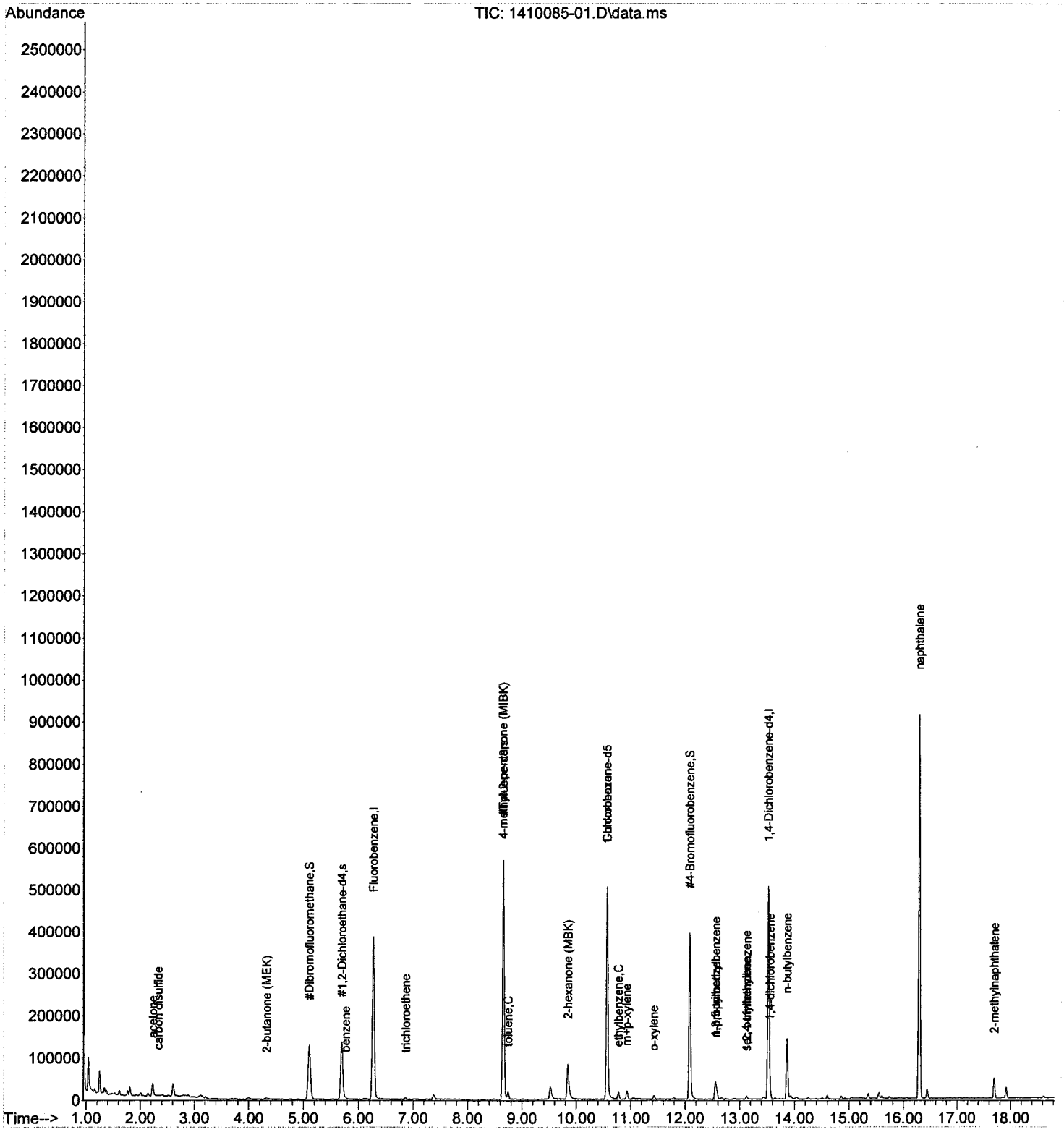
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-01
File ID: 1410085-01.D
Sampled: 10/01/14 09:10
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 12:31
Solids: 95.99
Preparation: 5035A Low Concentratio
Initial/Final: 4.4 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	343091	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	165680	13.525	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001342

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	481834	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	343091	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	165680	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	125971	42.12	ug/L		0.00
Spiked Amount 40.000			Recovery = 105.30%				
37) #1,2-Dichloroethane-d4	5.696	67	76571	43.60	ug/L		0.00
Spiked Amount 40.000			Recovery = 109.00%				
46) #Toluene-d8	8.654	98	468433	40.20	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.50%				
64) #4-Bromofluorobenzene	12.083	95	169187	39.85	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.63%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	42143	27.50	ug/L		99
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	2702	0.28	ug/L	#	75
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	17263	Below Cal			99
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	6957	3.68	ug/L		94
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	5.766	78	2348	0.14	ug/L	#	63
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	6.866	130	1997	0.45	ug/L	#	77

001343

Quantitation Report (Not Reviewed)

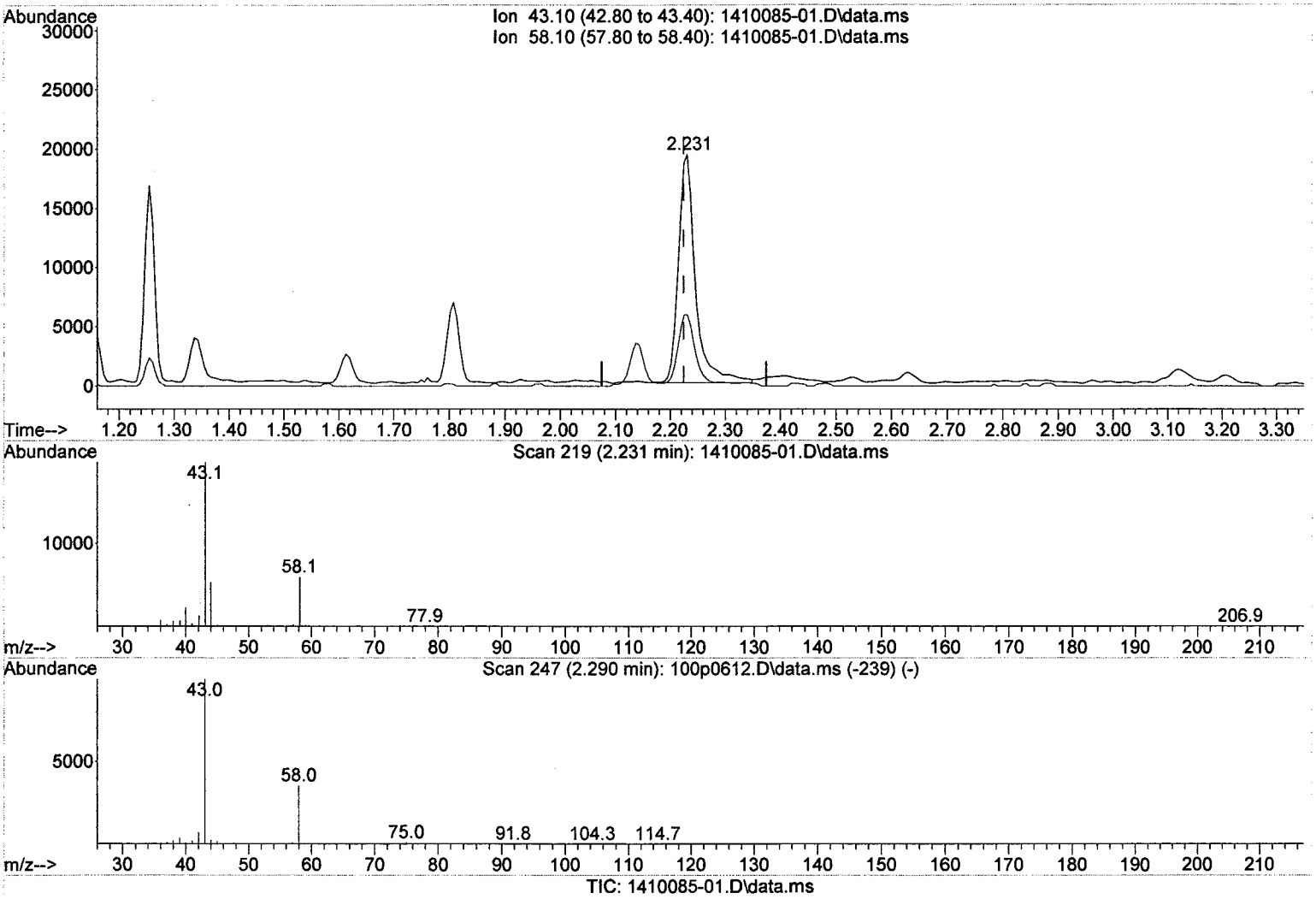
InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	0.000		0	N.D.			
40) 1,2-dichloropropane	0.000		0	N.D.			
41) dibromomethane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	0.000		0	N.D.			
45) 4-methyl-2-pentanone (...	8.648	43	1910	~~0.52~~	ug/L	#	1
47) toluene	8.742	91	12525	0.69	ug/L		100
48) trans-1,3-dichloropropene	0.000		0	N.D.			
49) 1,1,2-trichloroethane	0.000		0	N.D.			
51) tetrachloroethene	0.000		0	N.D.			
52) 1,3-dichloropropane	0.000		0	N.D.			
53) 2-hexanone (MBK)	9.848	43	22726	~~8.28~~	ug/L	#	25
54) dibromochloromethane	0.000		0	N.D.			
55) 1,2-dibromoethane	0.000		0	N.D.			
56) chlorobenzene	0.000		0	N.D.			
57) 1-chlorohexane	10.560	55	2740	0.59	ug/L	#	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59) ethylbenzene	10.772	91	14021	0.68	ug/L		97
60) m+p-xylene	10.931	106	6218	0.82	ug/L		96
61) o-xylene	11.425	106	2727	0.38	ug/L		95
62) styrene	0.000		0	N.D.			
63) bromoform	0.000		0	N.D.			
66) isopropylbenzene	0.000		0	N.D.			
67) bromobenzene	0.000		0	N.D.			
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69) 1,2,3-trichloropropane	0.000		0	N.D.			
70) 1,4-dichloro-2-butene	0.000		0	N.D.			
71) n-propylbenzene	12.560	120	3044	~~0.59~~	ug/L	#	1
72) 2-chlorotoluene	0.000		0	N.D.			
73) 1,3,5-trimethylbenzene	12.560	105	9647	~~0.58~~	ug/L		75
74) 4-chlorotoluene	0.000		0	N.D.			
75) tert-butylbenzene	0.000		0	N.D.			
76) 1,2,4-trimethylbenzene	13.130	105	5558	0.35	ug/L		90
77) sec-butylbenzene	13.130	105	5347	~~0.25~~	ug/L	#	58
78) 1,3-dichlorobenzene	0.000		0	N.D.			
79) 4-isopropyltoluene	0.000		0	N.D.			
80) 1,4-dichlorobenzene	13.554	146	3066	0.34	ug/L	#	55
81) 1,2-dichlorobenzene	0.000		0	N.D.			
82) n-butylbenzene	13.866	91	14298	~~0.87~~	ug/L	#	34
83) hexachloroethane	0.000		0	N.D.			
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85) 1,2,4-trichlorobenzene	0.000		0	N.D.			
86) hexachlorobutadiene	0.000		0	N.D.			
87) naphthalene	16.295	128	856691	89.50	ug/L		100
88) 1,2,3-trichlorobenzene	0.000		0	N.D.			
89) 2-methylnaphthalene	17.695	142	26210	14.78	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(13) acetone

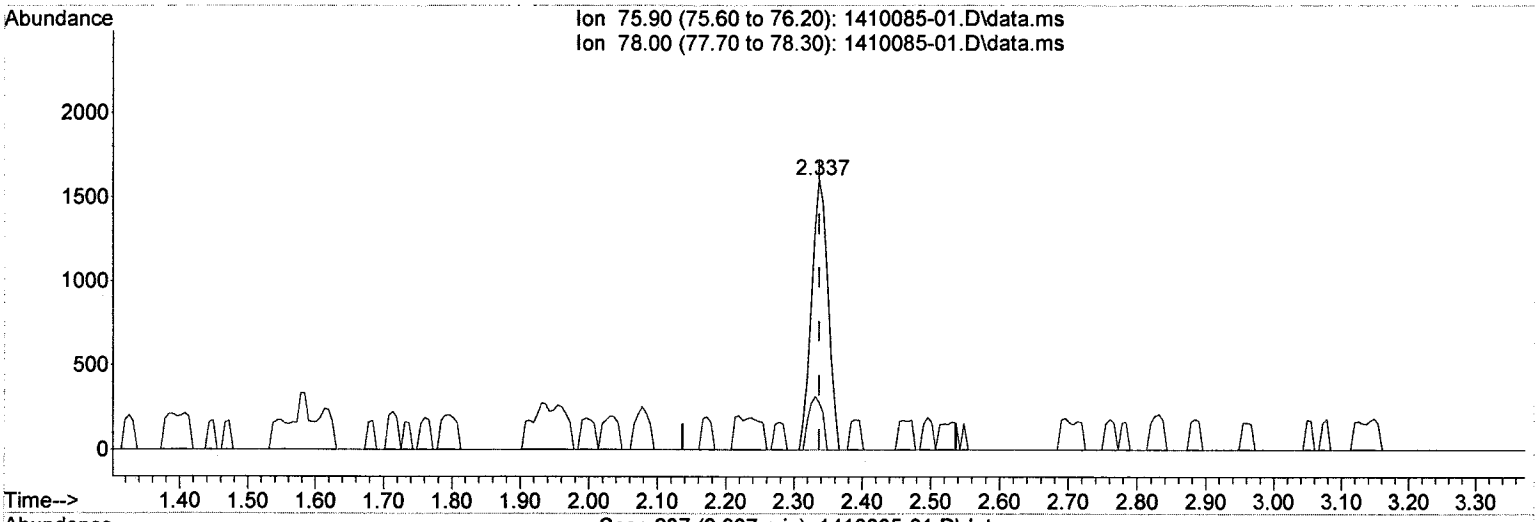
2.231min (+ 0.006) 27.50 ug/L

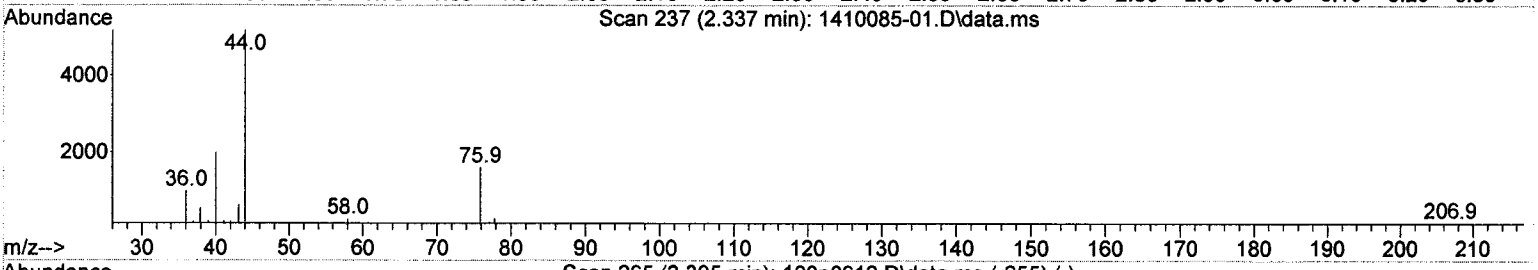
response 42143

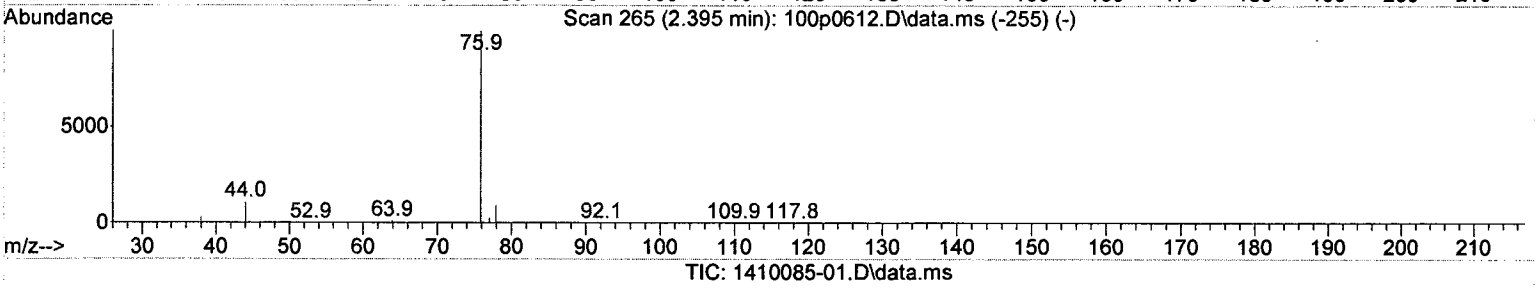
Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	30.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410085-01.D\data.ms

(15) carbon disulfide

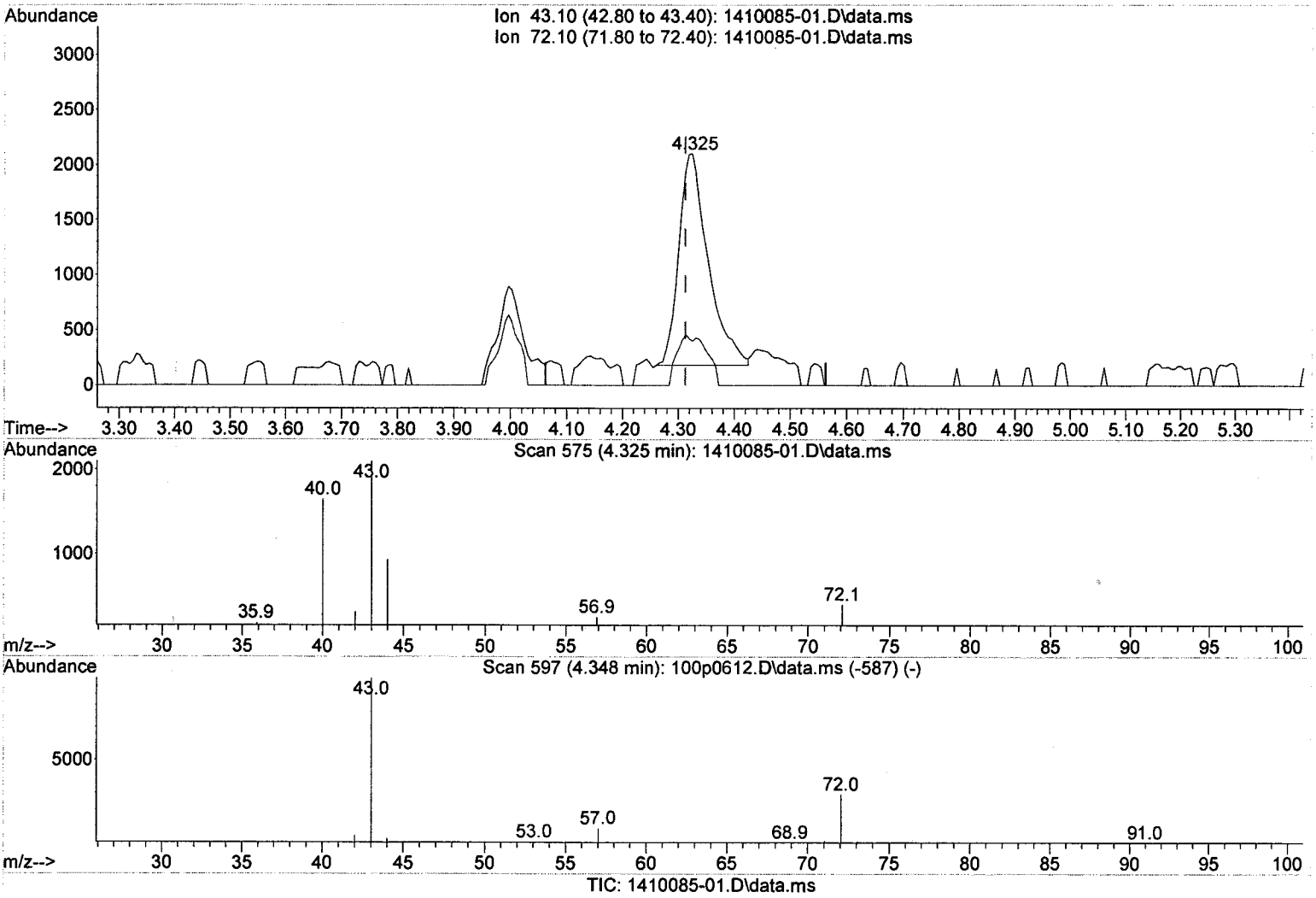
2.337min (-0.000) 0.28 ug/L

response 2702

Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(25) 2-butanone (MEK)

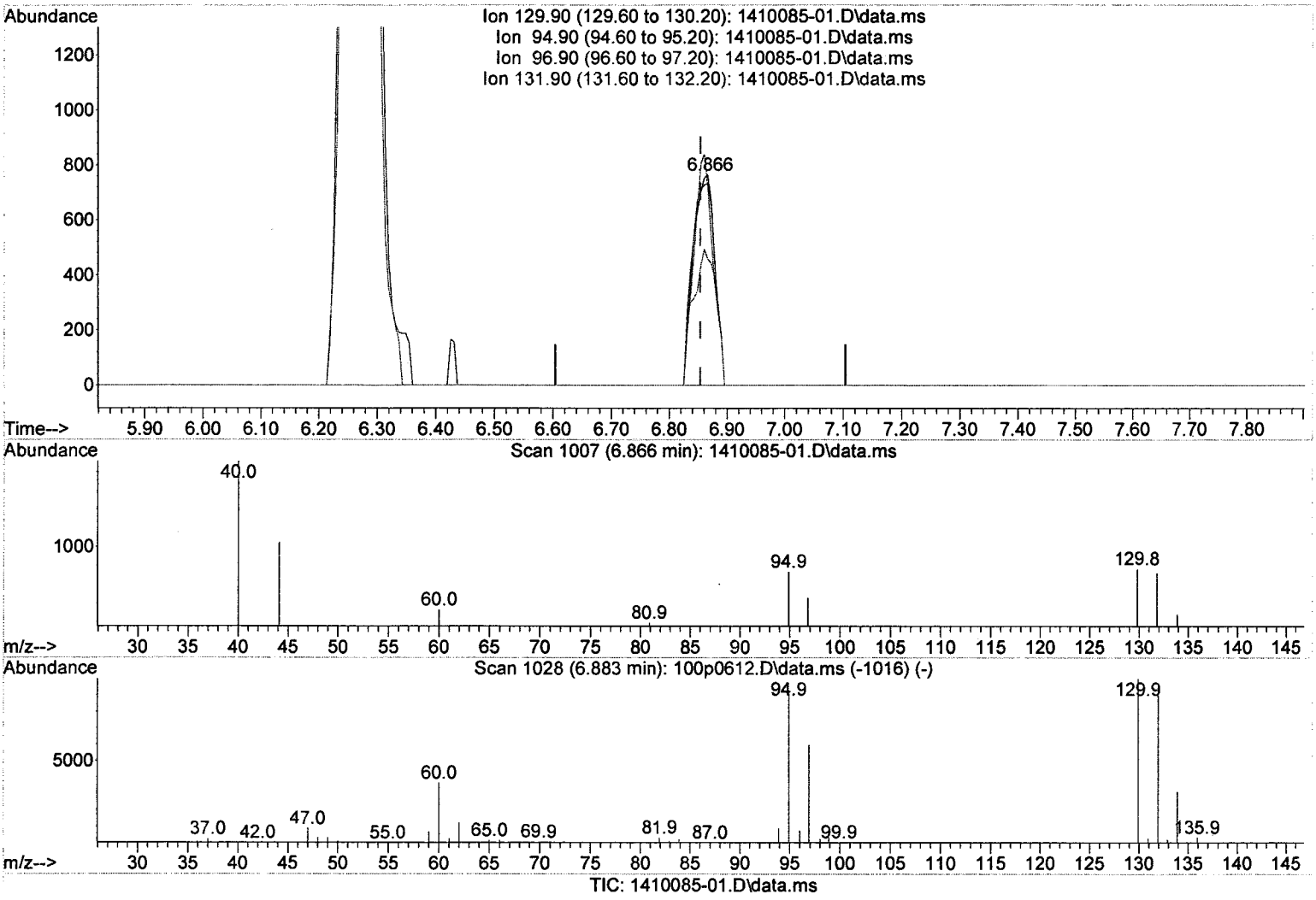
4.325min (+ 0.012) 3.68 ug/L

response 6957

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	24.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(38) trichloroethene

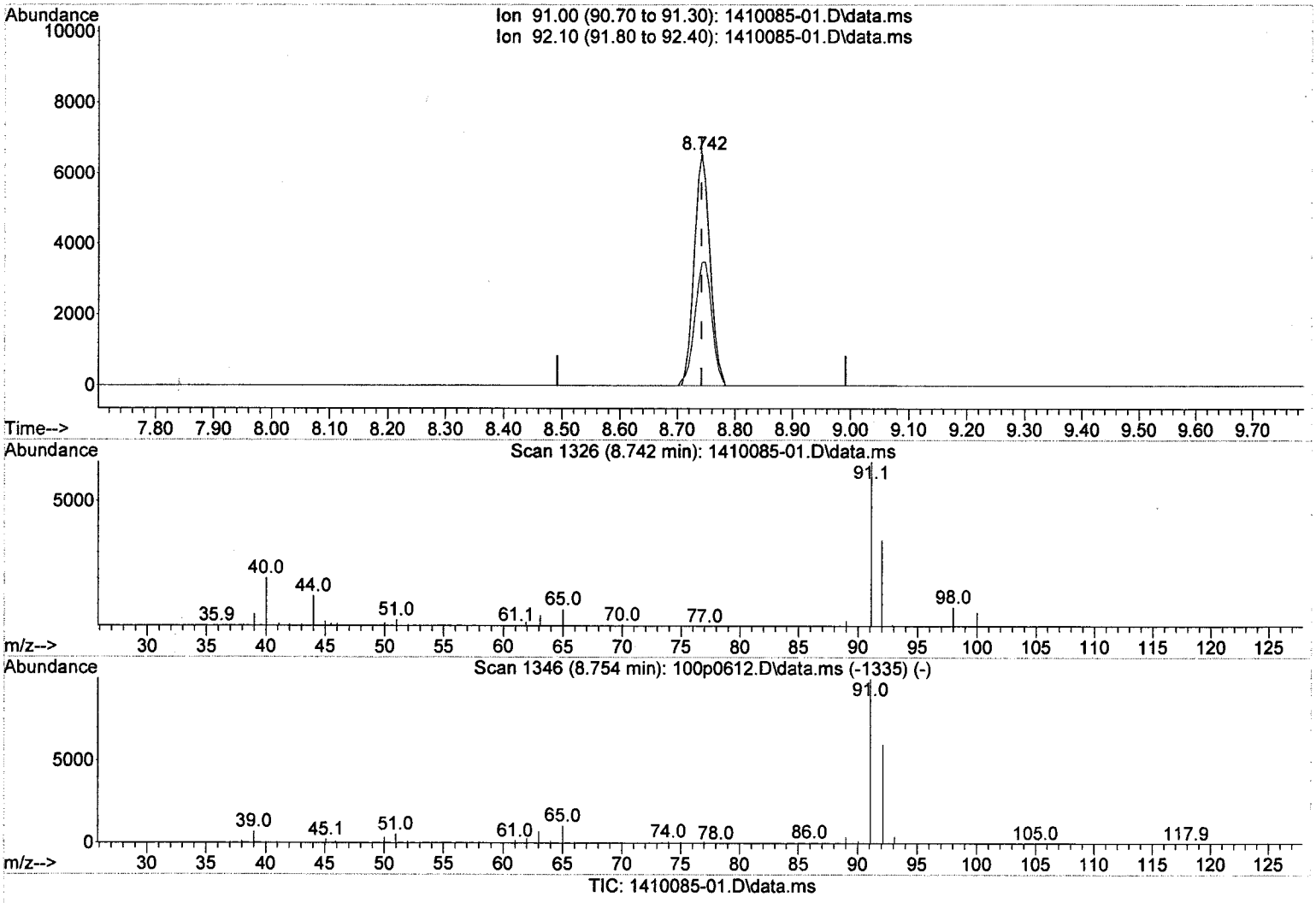
6.866min (+ 0.012) 0.45 ug/L

response 1997

Ion	Exp%	Act%
129.90	100.00	100.00
94.90	100.30	97.90
96.90	65.70	0.00#
131.90	98.10	94.89

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(47) toluene (C)

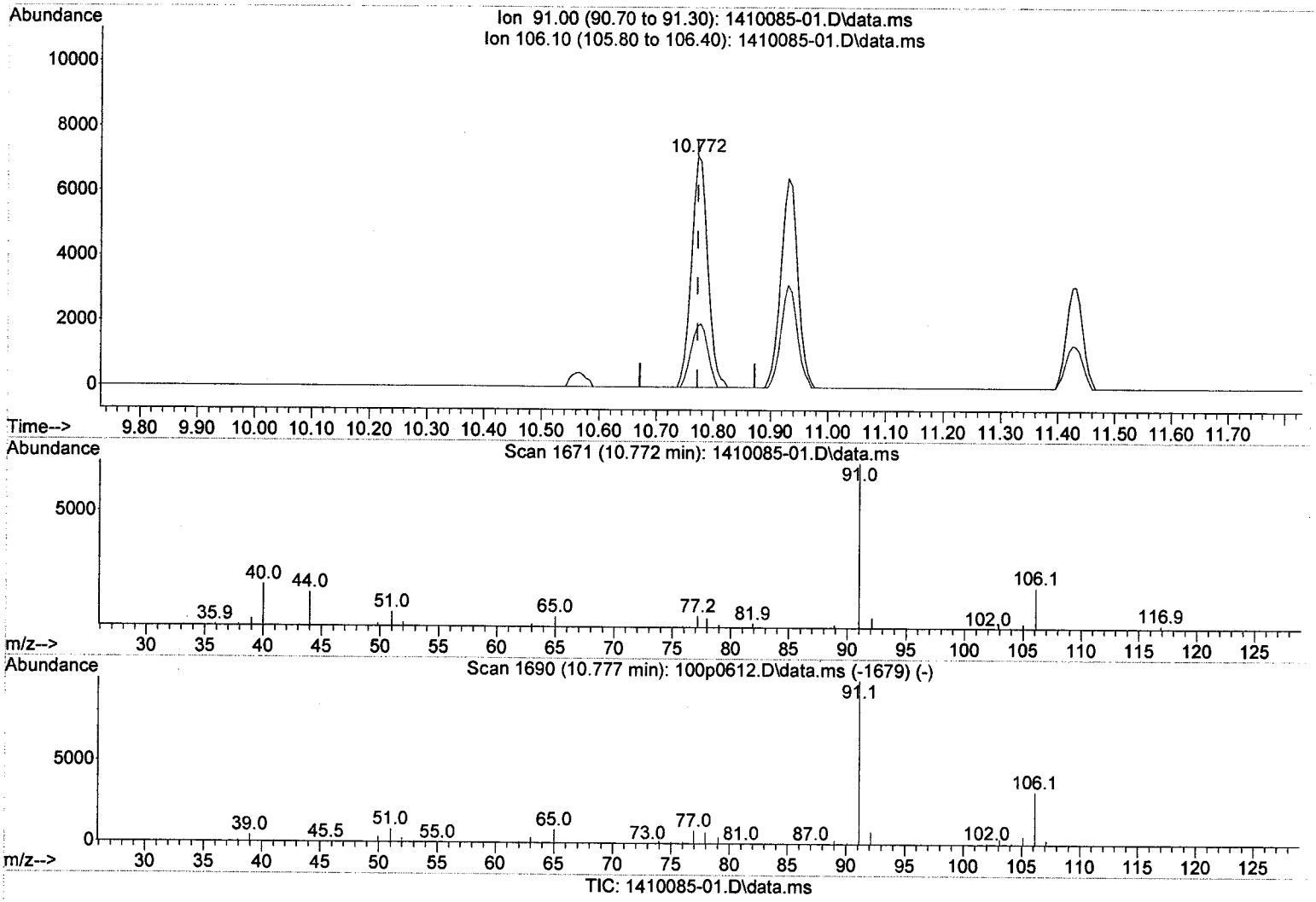
8.742min (+ 0.000) 0.69 ug/L

response 12525

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	57.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(59) ethylbenzene (C)

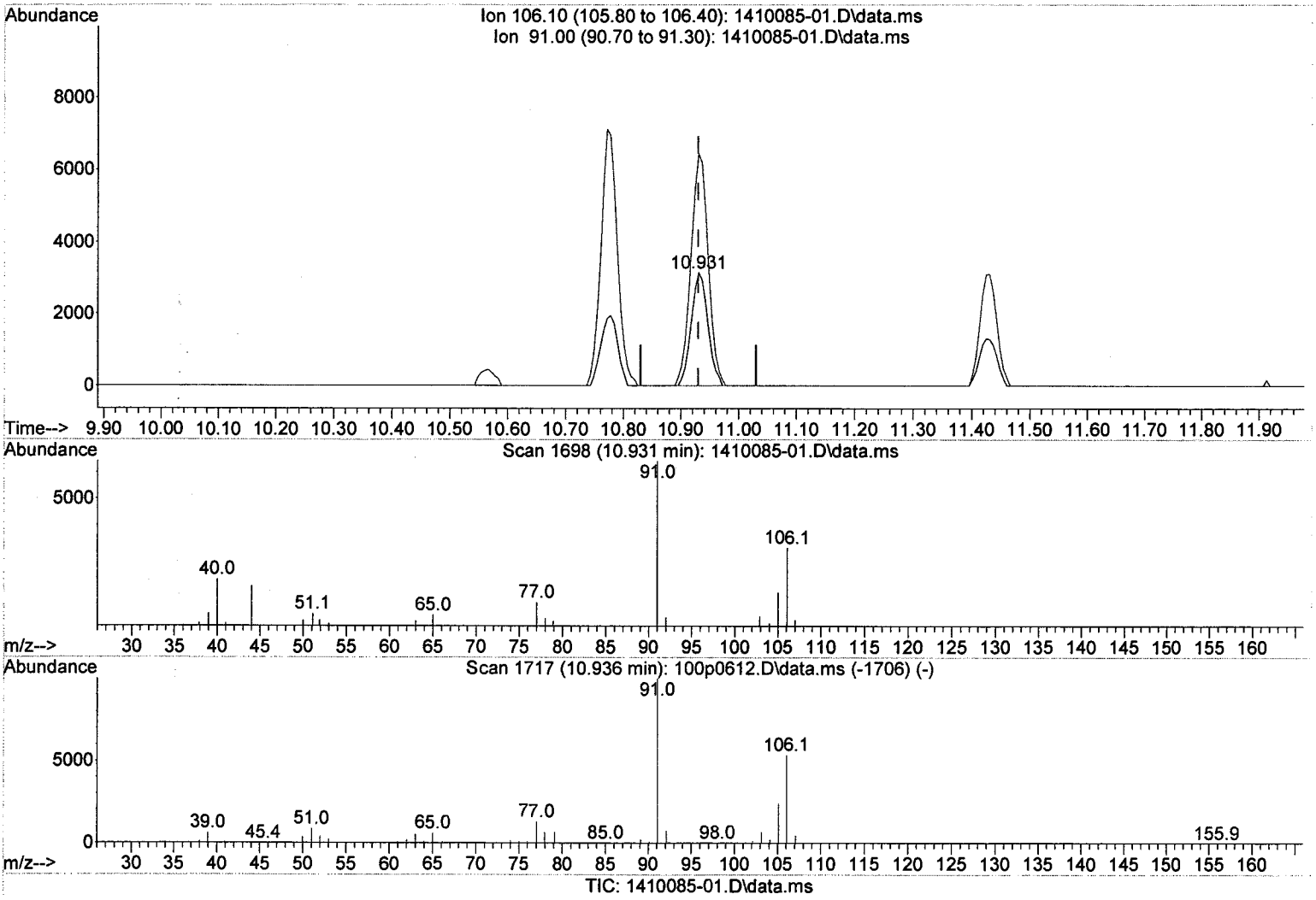
10.772min (-0.000) 0.68 ug/L

response 14021

Ion	Exp%	Act%
91.00	100.00	100.00
106.10	29.90	28.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(60) m+p-xylene

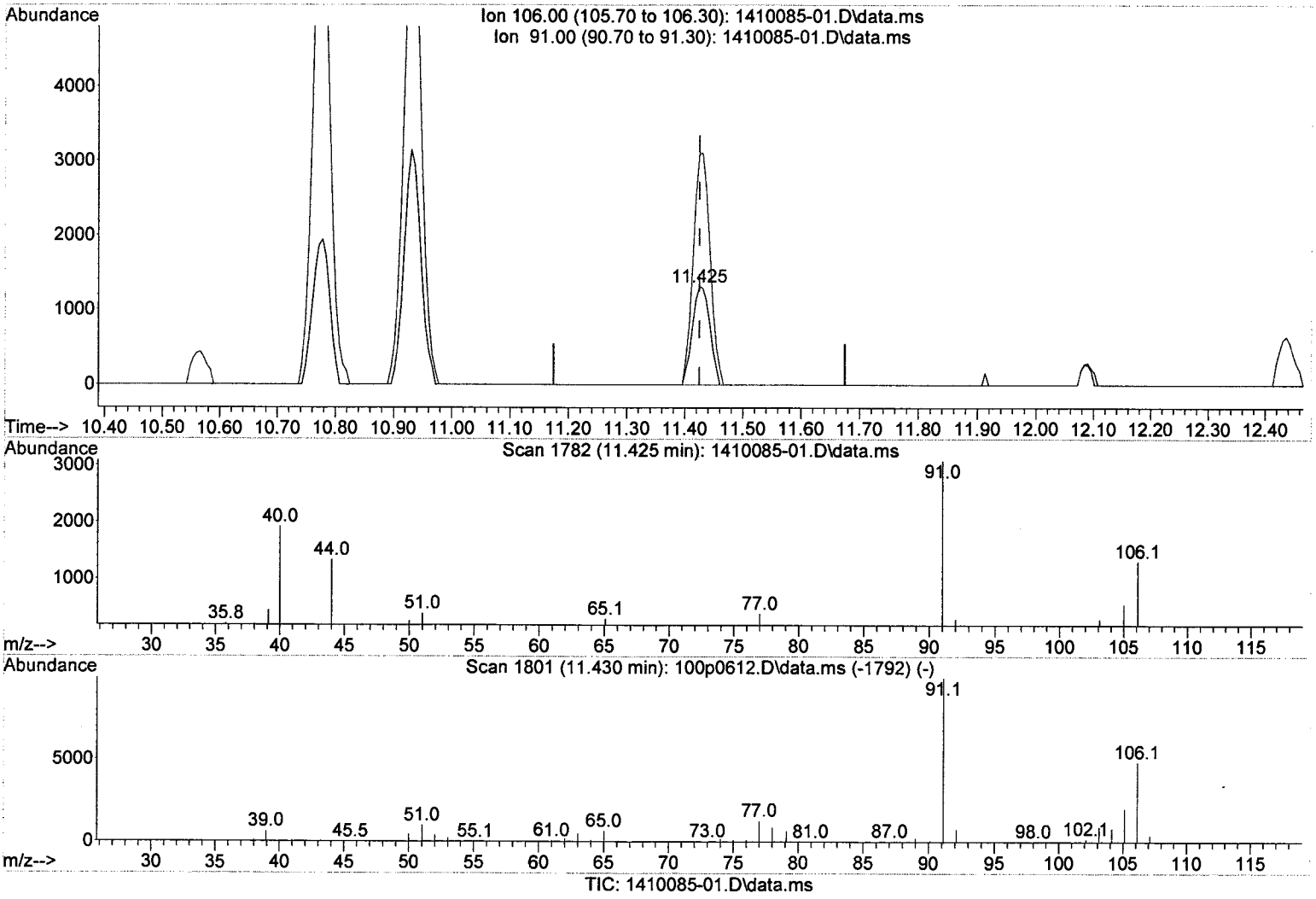
10.931min (+ 0.001) 0.82 ug/L

response 6218

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	213.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(61) o-xylene

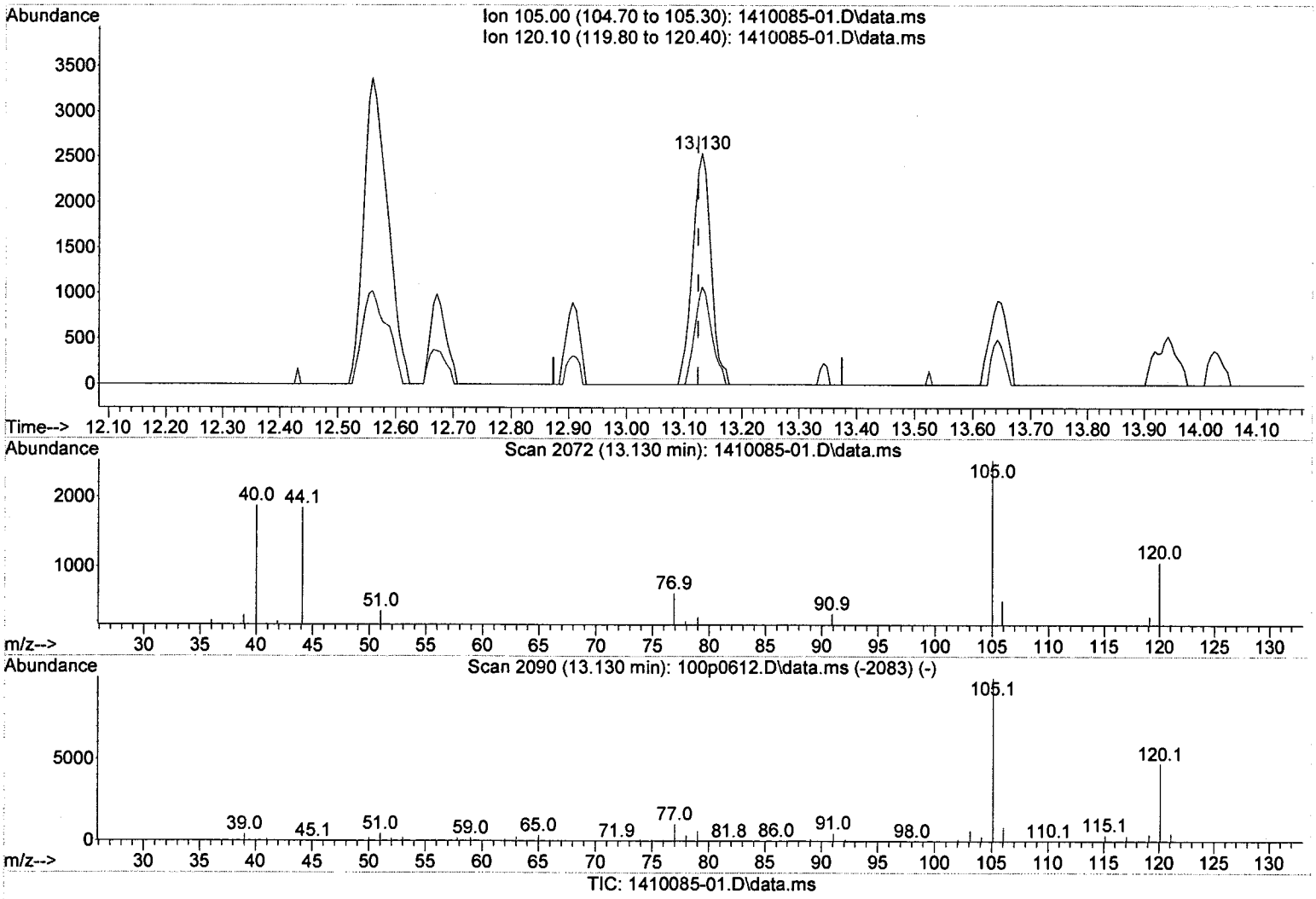
11.425min (-0.000) 0.38 ug/L

response 2727

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	220.20	227.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(76) 1,2,4-trimethylbenzene

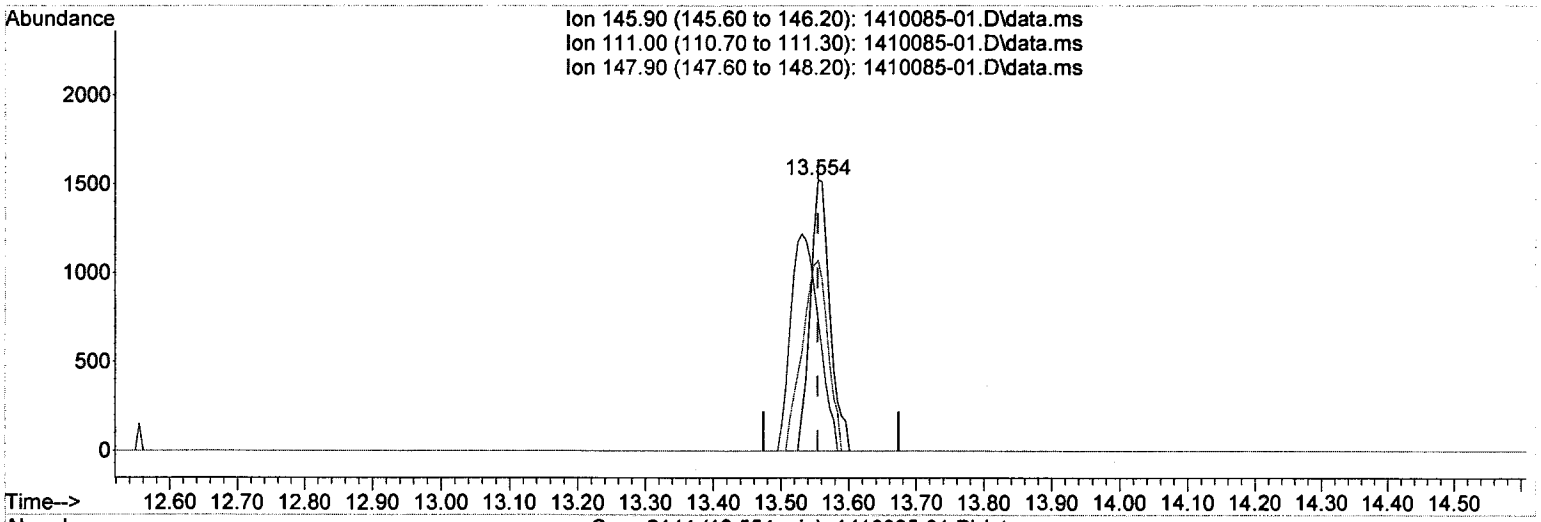
13.130min (+ 0.006) 0.35 ug/L

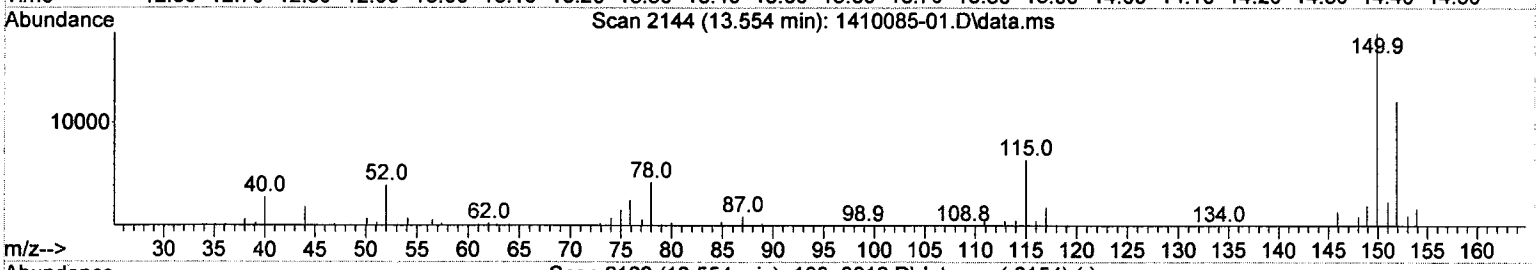
response 5558

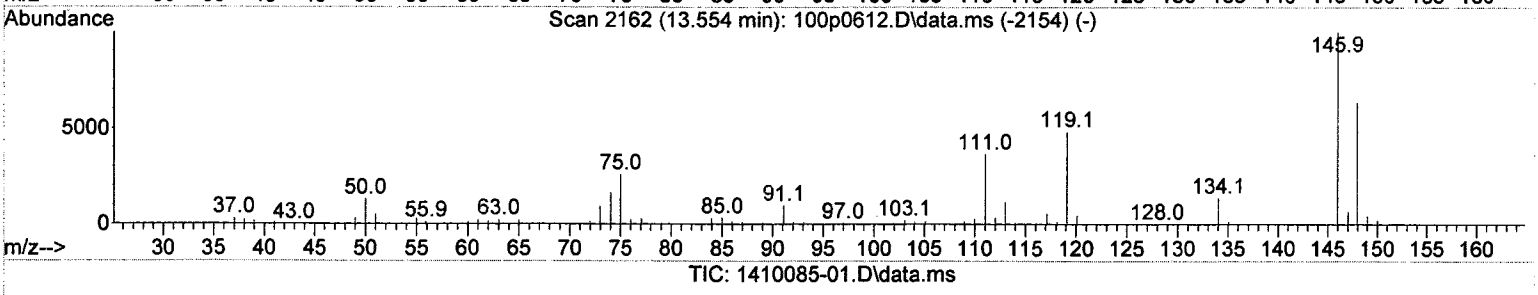
Ion	Exp%	Act%
105.00	100.00	100.00
120.10	45.10	38.84
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410085-01.D\data.ms

(80) 1,4-dichlorobenzene

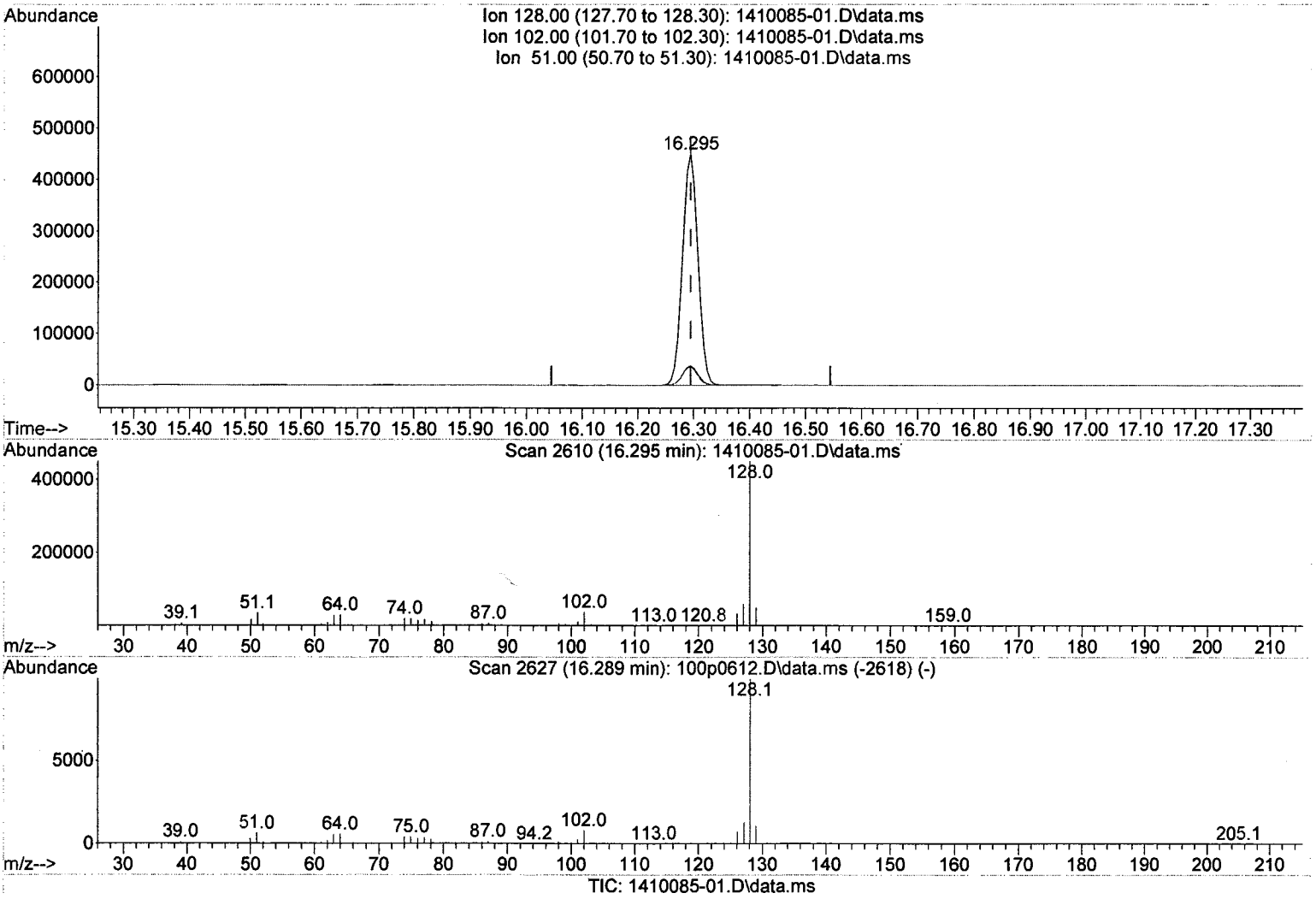
13.554min (-0.000) 0.34 ug/L

response 3066

Ion	Exp%	Act%
145.90	100.00	100.00
111.00	39.40	0.00#
147.90	65.60	91.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-01.D
Acq On : 10 Oct 2014 12:31
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 10 13:30:40 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(87) naphthalene

16.295min (0.000) 89.50 ug/L

response 856691

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	8.33
51.00	7.70	7.90
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB34-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-01RE1 File ID: 1410085-01.D

Sampled: 10/01/14 09:10 Prepared: 10/14/14 08:00 Analyzed: 10/14/14 17:53

Solids: 95.99 Preparation: 5035A Low Concentratio Initial/Final: 4.6 grams / 5 mL

QC Batch: 1411328 Sequence: 4J15036 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	36	4.8	5.7	5.7	
71-43-2	Benzene	1	0.57	0.18	0.57	1.1	U
108-86-1	Bromobenzene	1	0.57	0.15	0.57	1.1	U
74-97-5	Bromochloromethane	1	0.57	0.16	0.57	1.1	U
75-27-4	Bromodichloromethane	1	0.57	0.20	0.57	1.1	U
75-25-2	Bromoform	1	0.57	0.40	0.57	1.1	U
74-83-9	Bromomethane	1	0.57	0.37	0.57	1.1	U
104-51-8	n-Butylbenzene	1	0.57	0.29	0.57	1.1	U
135-98-8	sec-Butylbenzene	1	0.57	0.24	0.57	1.1	U
98-06-6	tert-Butylbenzene	1	0.57	0.19	0.57	1.1	U
75-15-0	Carbon Disulfide	1	0.28	0.26	0.57	1.1	J
56-23-5	Carbon Tetrachloride	1	0.57	0.37	0.57	1.1	U
108-90-7	Chlorobenzene	1	0.57	0.17	0.57	1.1	U
75-00-3	Chloroethane	1	1.1	0.57	1.1	1.1	U
67-66-3	Chloroform	1	0.57	0.16	0.57	1.1	U
74-87-3	Chloromethane	1	0.57	0.29	0.57	1.1	U
95-49-8	2-Chlorotoluene	1	0.57	0.33	0.57	1.1	U
106-43-4	4-Chlorotoluene	1	0.23	0.23	0.23	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.67	1.1	5.7	U
124-48-1	Dibromochloromethane	1	0.57	0.21	0.57	1.1	U
106-93-4	1,2-Dibromoethane	1	0.57	0.17	0.57	1.1	U
74-95-3	Dibromomethane	1	0.57	0.25	0.57	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.23	0.11	0.23	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.23	0.12	0.23	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.57	0.16	0.57	1.1	U
75-34-3	1,1-Dichloroethane	1	0.57	0.24	0.57	1.1	U
107-06-2	1,2-Dichloroethane	1	0.57	0.26	0.57	1.1	U
75-35-4	1,1-Dichloroethene	1	0.57	0.35	0.57	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.57	0.26	0.57	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.57	0.31	0.57	1.1	U
78-87-5	1,2-Dichloropropane	1	0.57	0.19	0.57	1.1	U
142-28-9	1,3-Dichloropropane	1	0.57	0.16	0.57	1.1	U
594-20-7	2,2-Dichloropropane	1	0.57	0.26	0.57	1.1	U
563-58-6	1,1-Dichloropropene	1	0.57	0.31	0.57	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.23	0.13	0.23	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.57	0.14	0.57	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB34-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-01RE1 File ID: 1410085-01.D

Sampled: 10/01/14 09:10 Prepared: 10/14/14 08:00 Analyzed: 10/14/14 17:53

Solids: 95.99 Preparation: 5035A Low Concentratio Initial/Final: 4.6 grams / 5 mL

QC Batch: 1411328 Sequence: 4J15036 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.57	0.21	0.57	1.1	U
87-68-3	Hexachlorobutadiene	1	0.57	0.23	0.57	1.1	U
591-78-6	2-Hexanone	1	0.57	0.54	0.57	5.7	U
98-82-8	Isopropylbenzene	1	0.23	0.13	0.23	1.1	U
99-87-6	4-Isopropyltoluene	1	0.57	0.27	0.57	1.1	U
75-09-2	Methylene Chloride	1	1.4	0.53	1.1	5.7	JB
78-93-3	2-Butanone (MEK)	1	4.1	1.3	5.7	5.7	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.57	0.44	0.57	5.7	U
91-20-3	Naphthalene	1	12	0.18	0.57	5.7	
103-65-1	n-Propylbenzene	1	0.57	0.13	0.57	1.1	U
100-42-5	Styrene	1	0.23	0.23	0.23	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.57	0.17	0.57	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.57	0.16	0.57	1.1	U
127-18-4	Tetrachloroethene	1	0.57	0.19	0.57	1.1	U
108-88-3	Toluene	1	0.23	0.11	0.23	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.57	0.32	0.57	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.57	0.19	0.57	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.57	0.16	0.57	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.57	0.24	0.57	1.1	U
79-01-6	Trichloroethene	1	0.57	0.27	0.57	1.1	U
75-69-4	Trichlorofluoromethane	1	0.57	0.19	0.57	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.57	0.26	0.57	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.15	0.13	0.57	1.1	J
108-67-8	1,3,5-Trimethylbenzene	1	0.57	0.22	0.57	1.1	U
75-01-4	Vinyl Chloride	1	0.57	0.23	0.57	1.1	U
179601-23-1	Xylene, Meta + Para	1	0.26	0.16	0.45	2.3	J
95-47-6	Xylene, Ortho	1	0.23	0.13	0.23	1.1	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.8	105	78 - 119	
1,2-Dichloroethane-d4	40.0	43.4	109	71 - 136	
Toluene-d8	40.0	39.9	100	85 - 116	
4-Bromofluorobenzene	40.0	40.3	101	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	440947	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB34-15

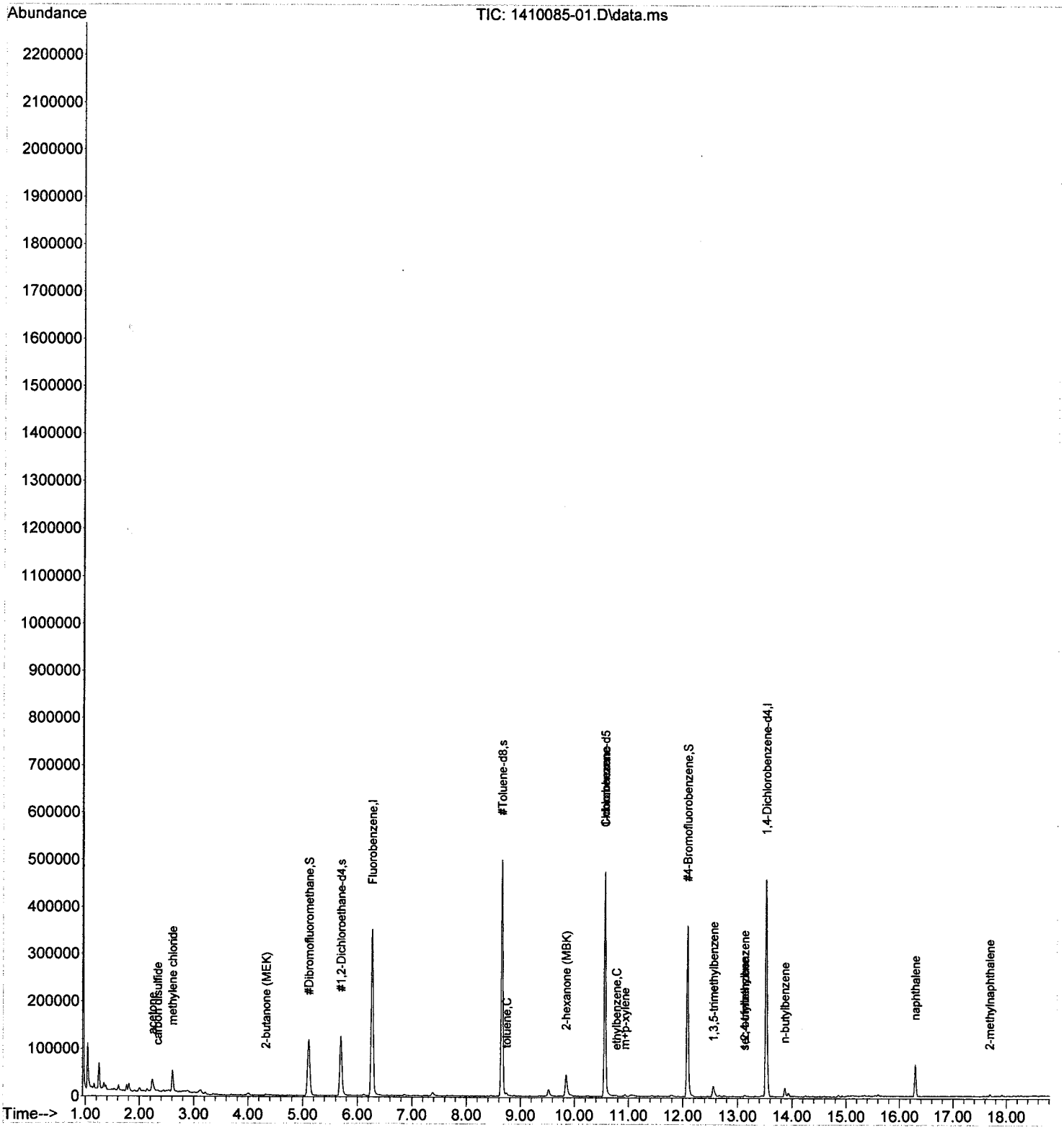
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-01RE1
File ID: 1410085-01.D
Sampled: 10/01/14 09:10
Prepared: 10/14/14 08:00
Analyzed: 10/14/14 17:53
Solids: 95.99
Preparation: 5035A Low Concentratio
Initial/Final: 4.6 grams / 5 mL
QC Batch: 1411328
Sequence: 4J15036
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	318467	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	161320	13.524	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : 1410085-01.D
Acq On : 14 Oct 2014 17:53
Operator : DLV
Sample : 1410085-01 RE-1
Misc : AECOM
ALS Vial : 25 Sample Multiplier: 1
Quant Time: Oct 15 11:32:26 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001359

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : 1410085-01.D
Acq On : 14 Oct 2014 17:53
Operator : DLV
Sample : 1410085-01 RE-1
Misc : AECOM
ALS Vial : 25 Sample Multiplier: 1
Quant Time: Oct 15 11:32:26 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	440947	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	318467	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	161320	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.113	111	114472	41.82	ug/L	0.00
Spiked Amount 40.000			Recovery = 104.55%			
37) #1,2-Dichloroethane-d4	5.695	67	69830	43.44	ug/L	0.00
Spiked Amount 40.000			Recovery = 108.60%			
46) #Toluene-d8	8.654	98	425547	39.91	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.77%			
64) #4-Bromofluorobenzene	12.083	95	159005	40.34	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.85%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.237	43	43372	31.71	ug/L	91
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.337	76	2250	0.25	ug/L #	75
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	26033	1.21	ug/L	99
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.331	43	6328	3.65	ug/L #	48
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

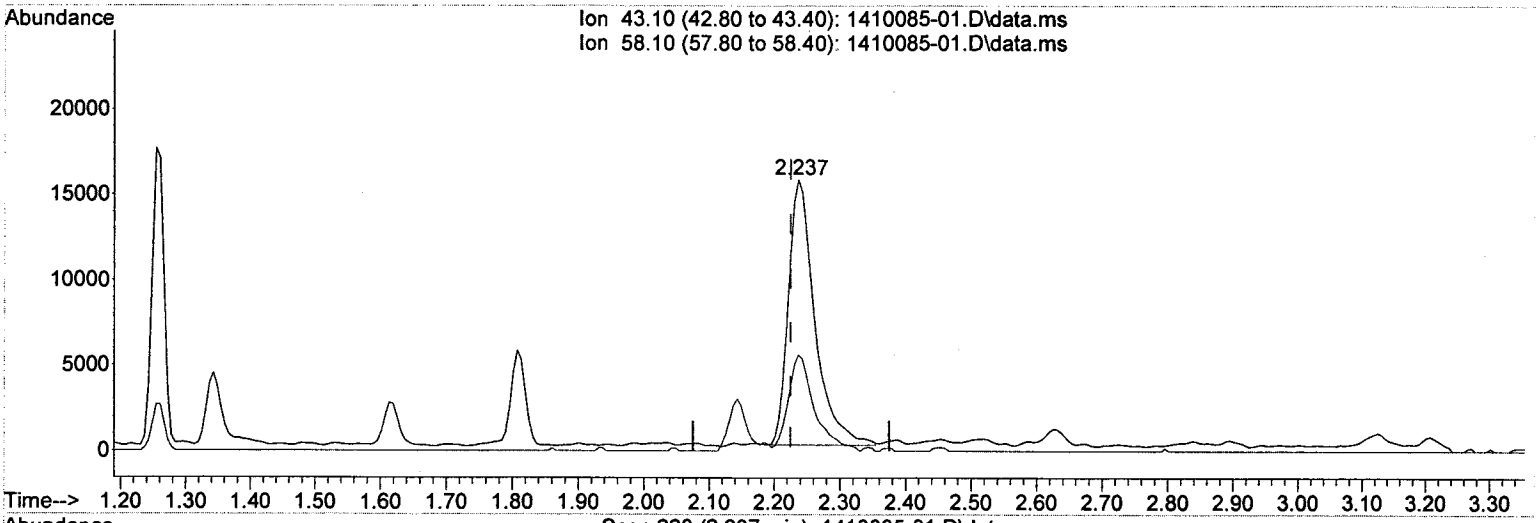
InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : 1410085-01.D
Acq On : 14 Oct 2014 17:53
Operator : DLV
Sample : 1410085-01 RE-1
Misc : AECOM
ALS Vial : 25 Sample Multiplier: 1
Quant Time: Oct 15 11:32:26 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

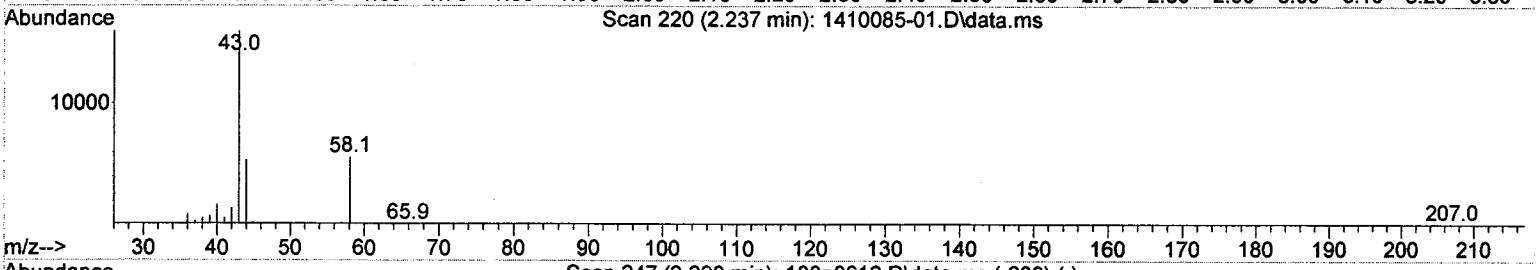
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	8.742	91	3356	0.20 ug/L	97
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.848	43	12656	~~4.97~~ ug/L #	18
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.566	55	2630	0.61 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.777	91	1960	0.10 ug/L #	45
60) m+p-xylene	10.936	106	1600	0.23 ug/L	94
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	12.560	105	1572	0.10 ug/L #	29
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.130	105	2064	0.13 ug/L #	31
77) sec-butylbenzene	13.130	105	1984	0.10 ug/L #	58
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	13.871	91	1762	0.11 ug/L #	34
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	16.295	128	63576	10.42 ug/L	99
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	17.689	142	2078	1.46 ug/L #	79

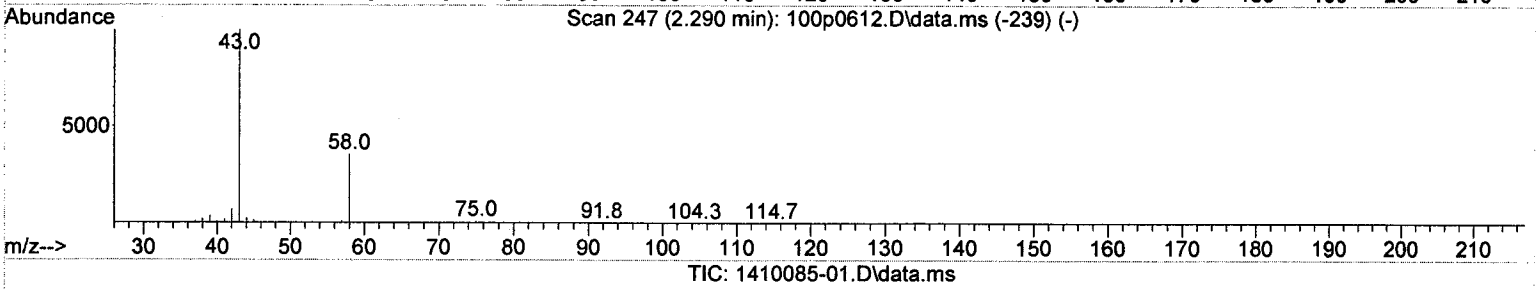
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : 1410085-01.D
Acq On : 14 Oct 2014 17:53
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 25 Sample Multiplier: 1
Quant Time: Oct 15 11:32:26 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410085-01.D\data.ms

(13) acetone

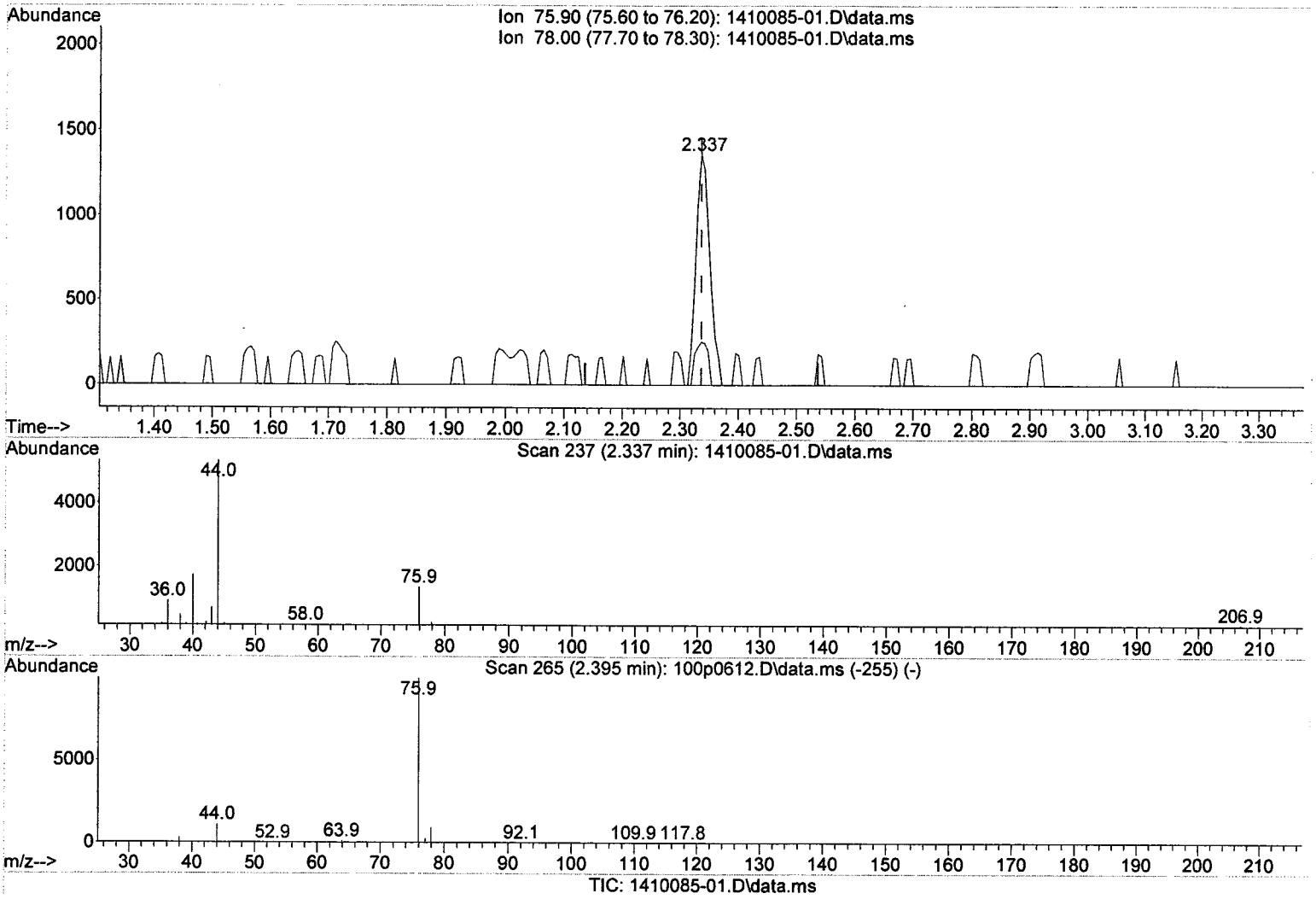
2.237min (+ 0.012) 31.71 ug/L

response 43372

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	35.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : 1410085-01.D
Acq On : 14 Oct 2014 17:53
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 25 Sample Multiplier: 1
Quant Time: Oct 15 11:32:26 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(15) carbon disulfide

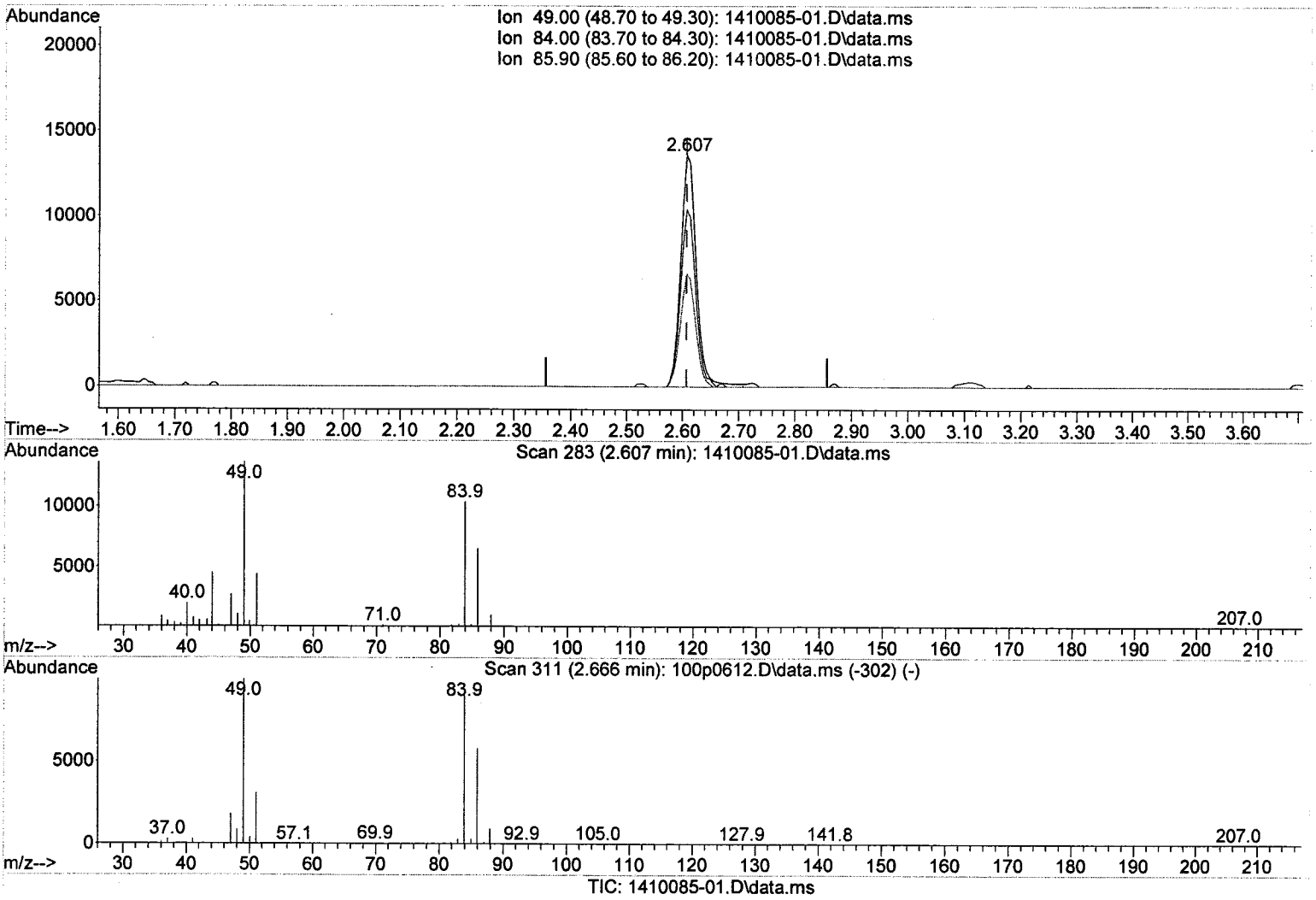
2.337min (-0.000) 0.25 ug/L

response 2250

Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : 1410085-01.D
Acq On : 14 Oct 2014 17:53
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 25 Sample Multiplier: 1
Quant Time: Oct 15 11:32:26 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(17) methylene chloride

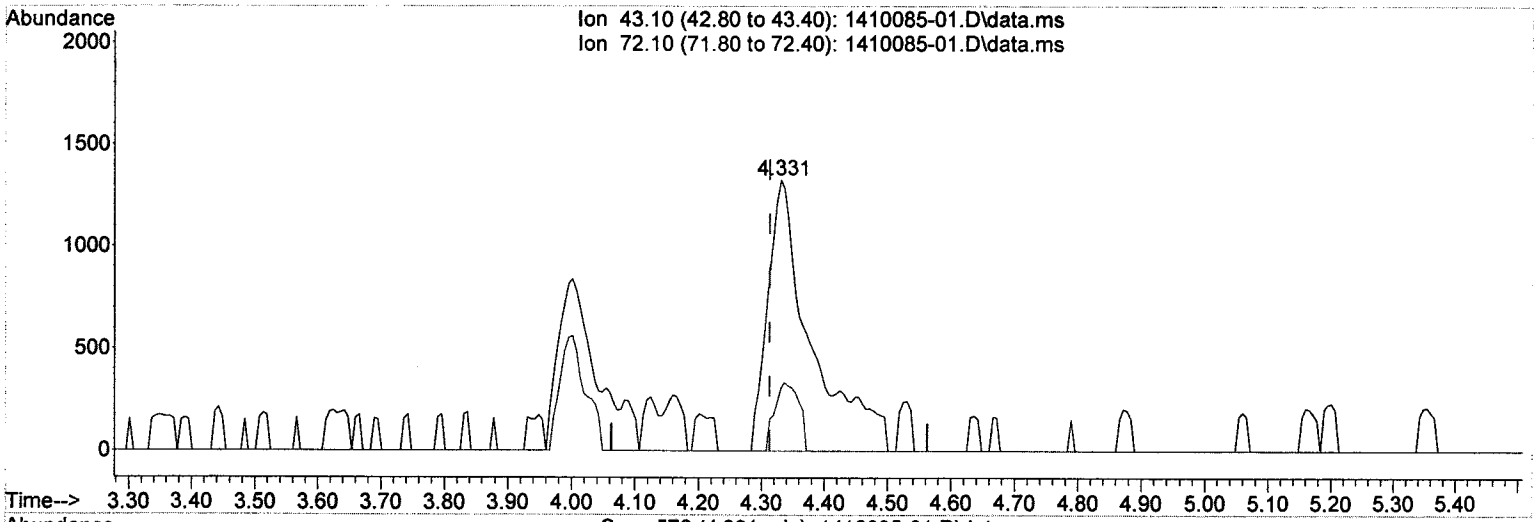
2.607min (+ 0.000) 1.21 ug/L

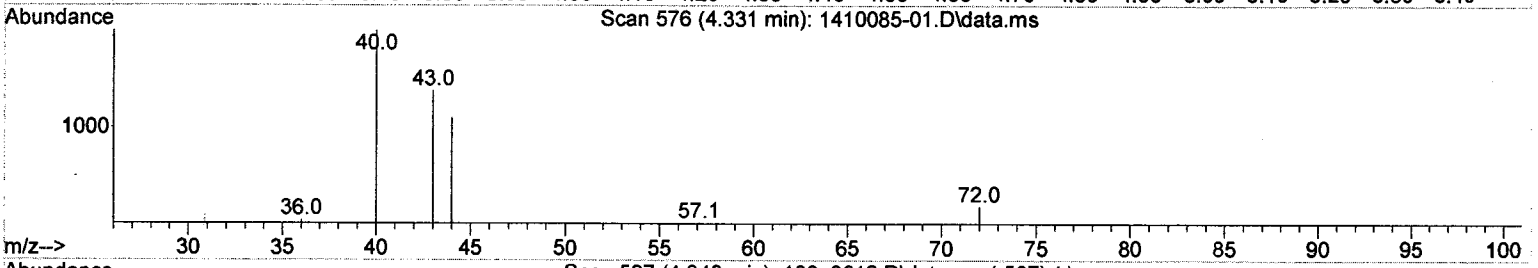
response 26033

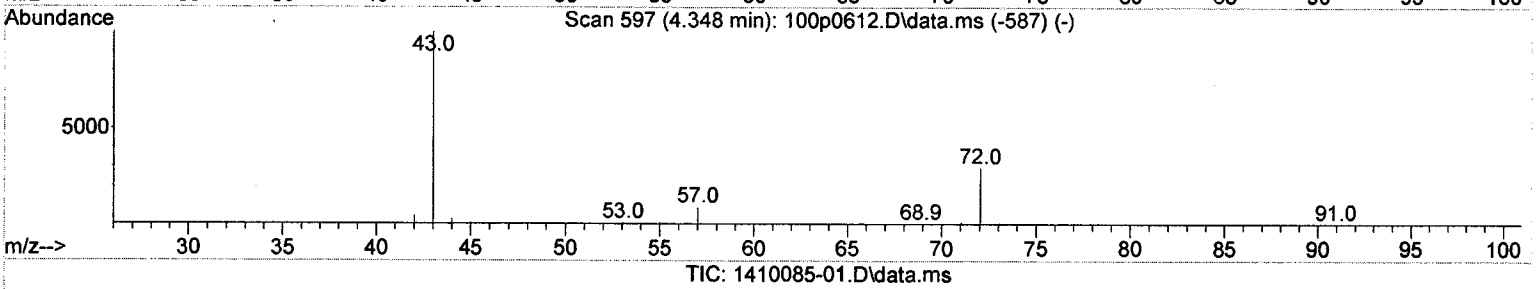
Ion	Exp%	Act%
49.00	100.00	100.00
84.00	74.80	73.98
85.90	48.00	47.74
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : 1410085-01.D
Acq On : 14 Oct 2014 17:53
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 25 Sample Multiplier: 1
Quant Time: Oct 15 11:32:26 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410085-01.D\data.ms

(25) 2-butanone (MEK)

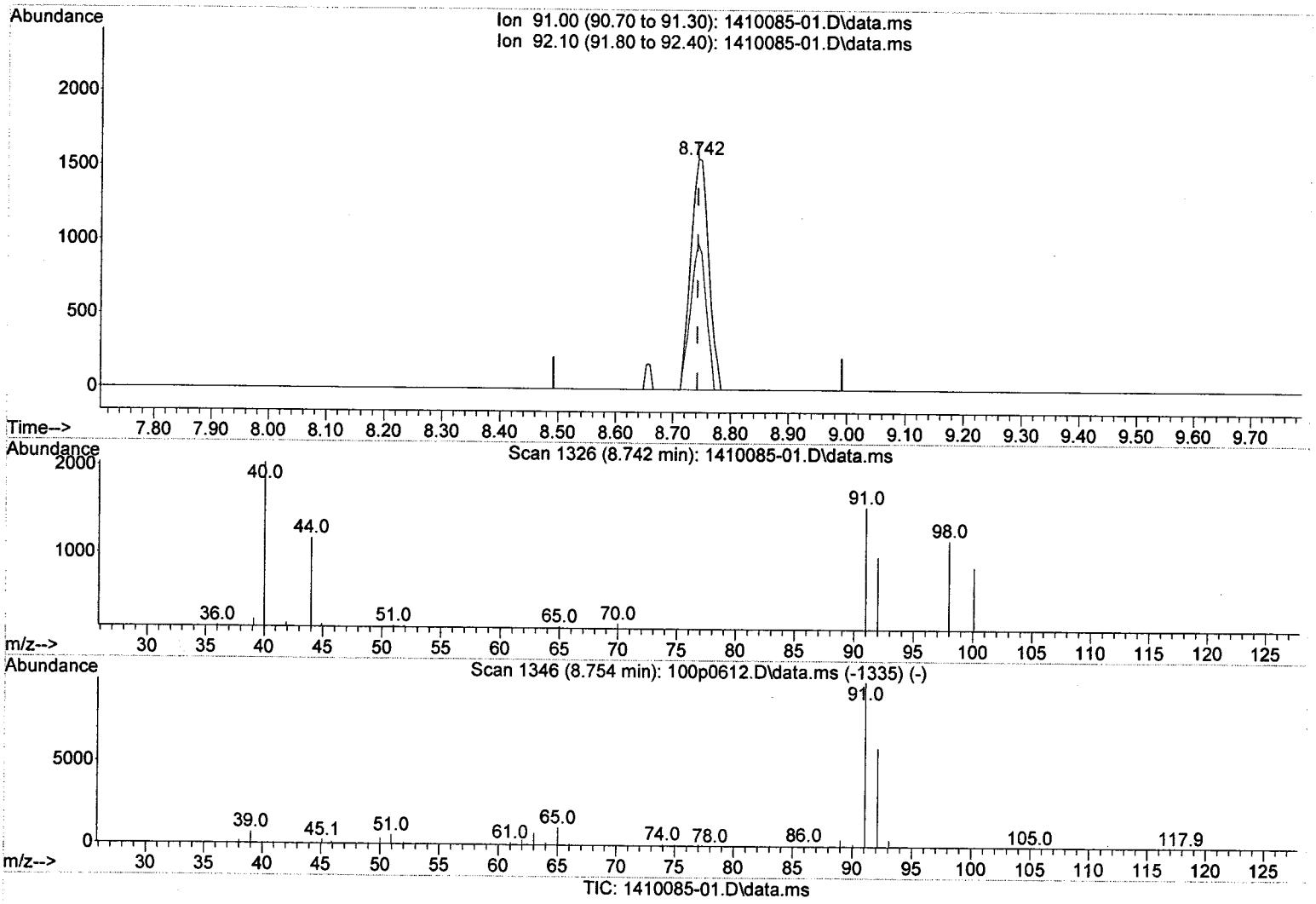
4.331min (+ 0.018) 3.65 ug/L

response 6328

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : 1410085-01.D
Acq On : 14 Oct 2014 17:53
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 25 Sample Multiplier: 1
Quant Time: Oct 15 11:32:26 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(47) toluene (C)

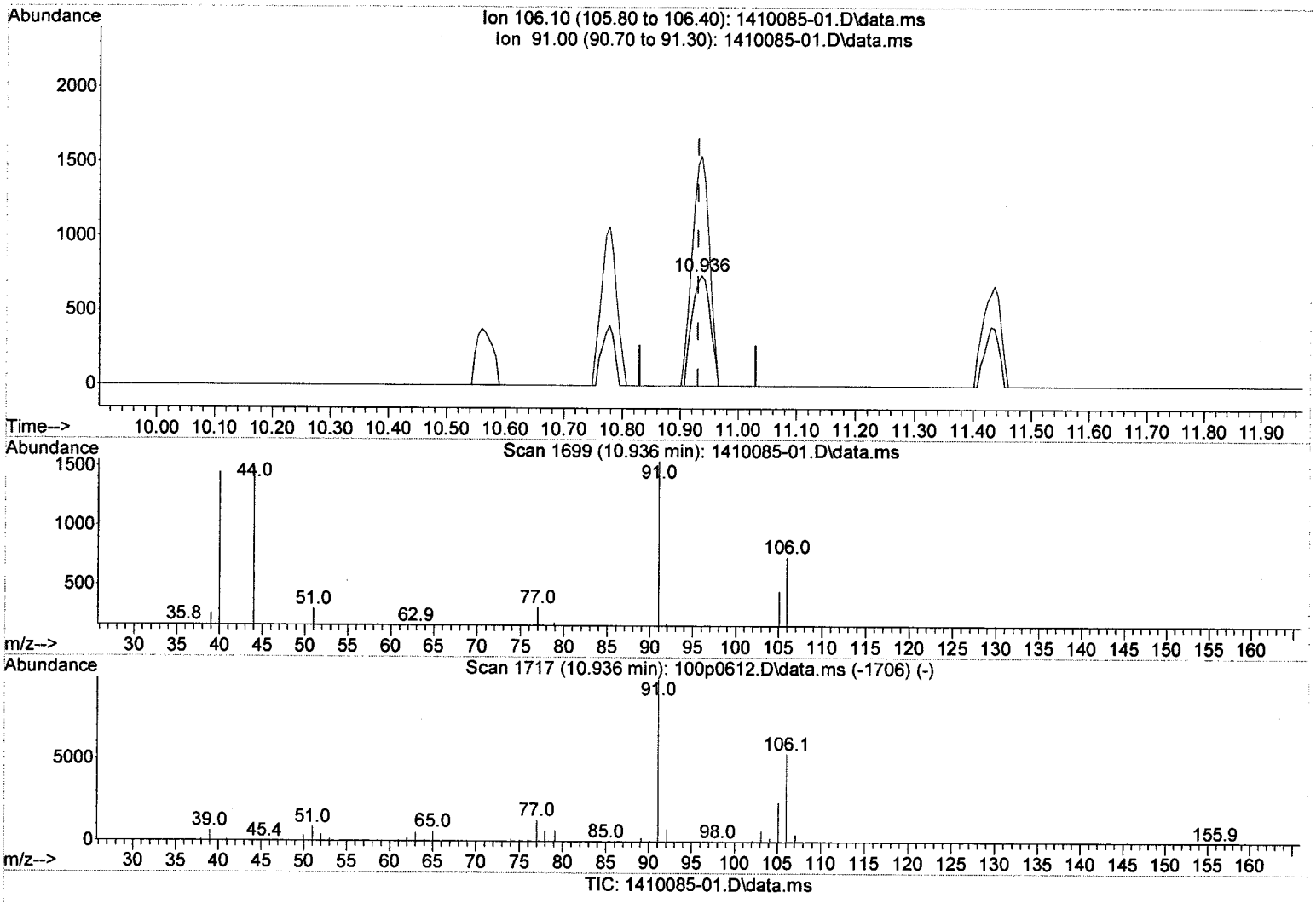
8.742min (+ 0.000) 0.20 ug/L

response 3356

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	55.10
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : 1410085-01.D
Acq On : 14 Oct 2014 17:53
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 25 Sample Multiplier: 1
Quant Time: Oct 15 11:32:26 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(60) m+p-xylene

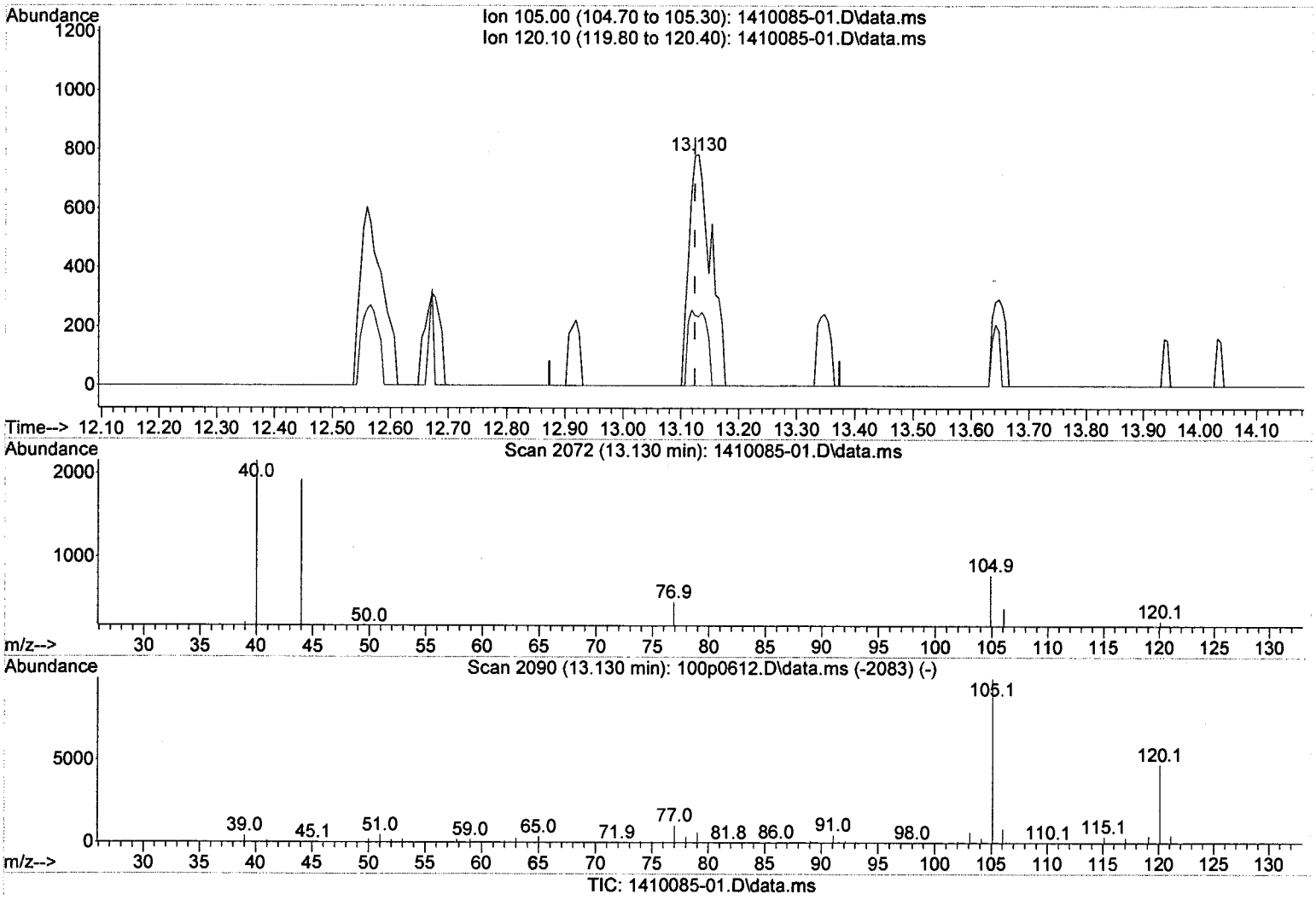
10.936min (+ 0.006) 0.23 ug/L

response 1600

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	198.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : 1410085-01.D
Acq On : 14 Oct 2014 17:53
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 25 Sample Multiplier: 1
Quant Time: Oct 15 11:32:26 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(76) 1,2,4-trimethylbenzene

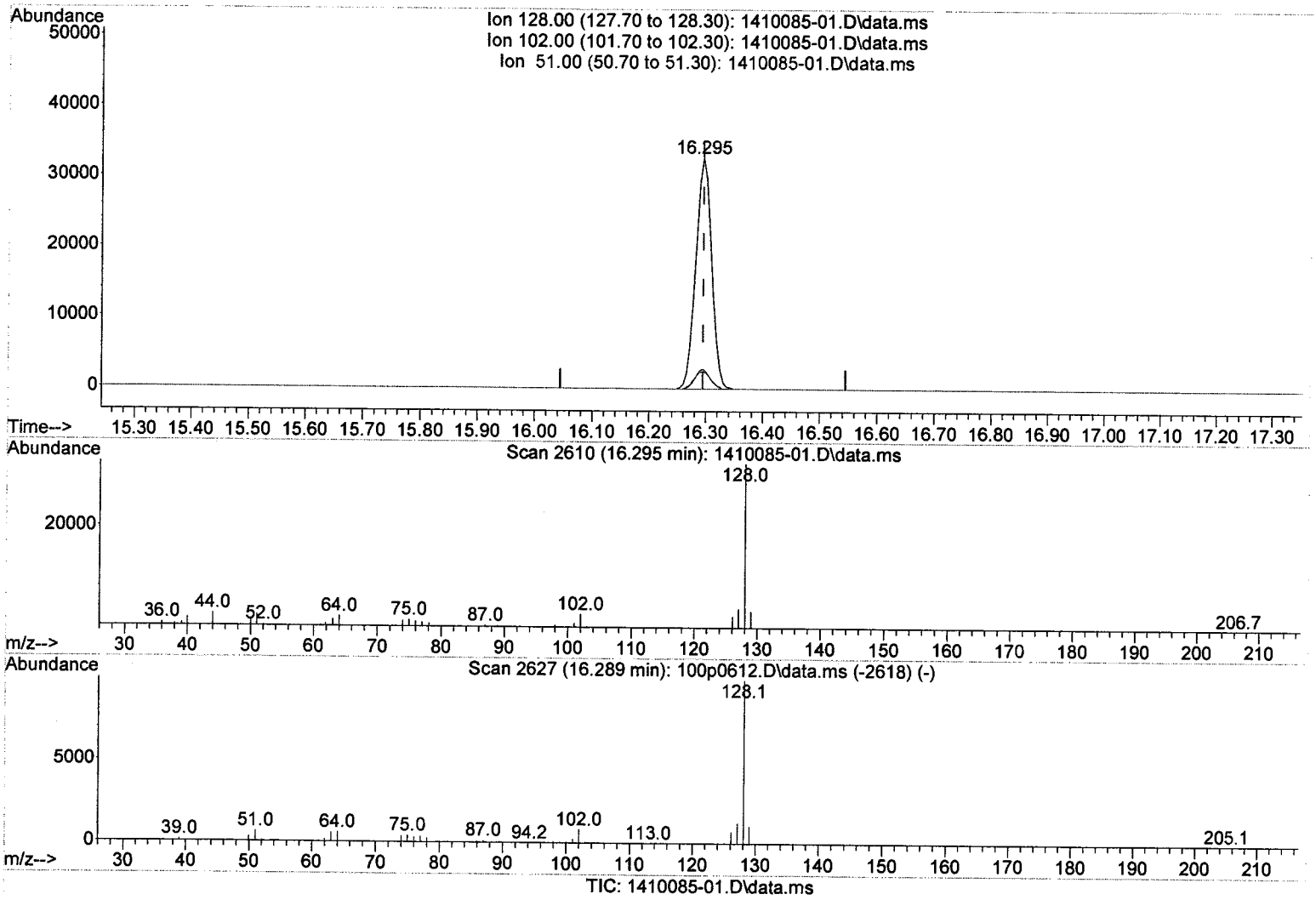
13.130min (+ 0.006) 0.13 ug/L

response 2064

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	45.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : 1410085-01.D
Acq On : 14 Oct 2014 17:53
Operator : DLV
Sample : 1410085-01
Misc : AECOM
ALS Vial : 25 Sample Multiplier: 1
Quant Time: Oct 15 11:32:26 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(87) naphthalene

16.295min (-0.000) 10.42 ug/L

response 63576

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	8.01
51.00	7.70	7.87
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB34-37

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-02 File ID: 1410085-02A.D

Sampled: 10/01/14 09:36 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 15:09

Solids: 95.81 Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	20	4.4	5.2	5.2	**B**
71-43-2	Benzene	1	0.52	0.17	0.52	1.0	U
108-86-1	Bromobenzene	1	0.52	0.14	0.52	1.0	U
74-97-5	Bromochloromethane	1	0.52	0.15	0.52	1.0	U
75-27-4	Bromodichloromethane	1	0.52	0.18	0.52	1.0	U
75-25-2	Bromoform	1	0.52	0.37	0.52	1.0	U
74-83-9	Bromomethane	1	0.52	0.34	0.52	1.0	U
104-51-8	n-Butylbenzene	1	0.52	0.27	0.52	1.0	U
135-98-8	sec-Butylbenzene	1	0.52	0.22	0.52	1.0	U
98-06-6	tert-Butylbenzene	1	0.52	0.17	0.52	1.0	U
75-15-0	Carbon Disulfide	1	0.30	0.24	0.52	1.0	**J**
56-23-5	Carbon Tetrachloride	1	0.52	0.34	0.52	1.0	U
108-90-7	Chlorobenzene	1	0.52	0.16	0.52	1.0	U
75-00-3	Chloroethane	1	1.0	0.52	1.0	1.0	U
67-66-3	Chloroform	1	0.52	0.15	0.52	1.0	U
74-87-3	Chloromethane	1	0.52	0.27	0.52	1.0	U
95-49-8	2-Chlorotoluene	1	0.52	0.30	0.52	1.0	U
106-43-4	4-Chlorotoluene	1	0.21	0.21	0.21	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.62	1.0	5.2	U
124-48-1	Dibromochloromethane	1	0.52	0.19	0.52	1.0	U
106-93-4	1,2-Dibromoethane	1	0.52	0.16	0.52	1.0	U
74-95-3	Dibromomethane	1	0.52	0.23	0.52	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.21	0.097	0.21	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.21	0.11	0.21	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.52	0.15	0.52	1.0	U
75-34-3	1,1-Dichloroethane	1	0.52	0.22	0.52	1.0	U
107-06-2	1,2-Dichloroethane	1	0.52	0.24	0.52	1.0	U
75-35-4	1,1-Dichloroethene	1	0.52	0.32	0.52	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.24	0.52	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.52	0.28	0.52	1.0	U
78-87-5	1,2-Dichloropropane	1	0.52	0.18	0.52	1.0	U
142-28-9	1,3-Dichloropropane	1	0.52	0.15	0.52	1.0	U
594-20-7	2,2-Dichloropropane	1	0.52	0.24	0.52	1.0	U
563-58-6	1,1-Dichloropropene	1	0.52	0.29	0.52	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.21	0.12	0.21	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.52	0.13	0.52	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB34-37

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-02
File ID: 1410085-02A.D
Sampled: 10/01/14 09:36
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 15:09
Solids: 95.81
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.52	0.19	0.52	1.0	U
87-68-3	Hexachlorobutadiene	1	0.52	0.22	0.52	1.0	U
591-78-6	2-Hexanone	1	0.52	0.50	0.52	5.2	U
98-82-8	Isopropylbenzene	1	0.21	0.12	0.21	1.0	U
99-87-6	4-Isopropyltoluene	1	0.52	0.25	0.52	1.0	U
75-09-2	Methylene Chloride	1	0.54	0.49	1.0	5.2	JB
78-93-3	2-Butanone (MEK)	1	2.6	1.2	5.2	5.2	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.52	0.40	0.52	5.2	U
91-20-3	Naphthalene	1	2.4	0.17	0.52	5.2	J
103-65-1	n-Propylbenzene	1	0.52	0.12	0.52	1.0	U
100-42-5	Styrene	1	0.21	0.21	0.21	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.52	0.15	0.52	1.0	U
127-18-4	Tetrachloroethene	1	0.52	0.18	0.52	1.0	U
108-88-3	Toluene	1	0.16	0.10	0.21	1.0	J
87-61-6	1,2,3-Trichlorobenzene	1	0.52	0.30	0.52	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.52	0.18	0.52	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.52	0.15	0.52	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.52	0.22	0.52	1.0	U
79-01-6	Trichloroethene	1	0.52	0.25	0.52	1.0	U
75-69-4	Trichlorofluoromethane	1	0.52	0.18	0.52	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.52	0.24	0.52	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.52	0.12	0.52	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.52	0.20	0.52	1.0	U
75-01-4	Vinyl Chloride	1	0.52	0.21	0.52	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.53	0.15	0.42	2.1	J
95-47-6	Xylene, Ortho	1	0.21	0.12	0.21	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.6	106	78 - 119	
1,2-Dichloroethane-d4	40.0	43.8	110	71 - 136	
Toluene-d8	40.0	39.4	98	85 - 116	
4-Bromofluorobenzene	40.0	38.9	97	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	486409	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB34-37

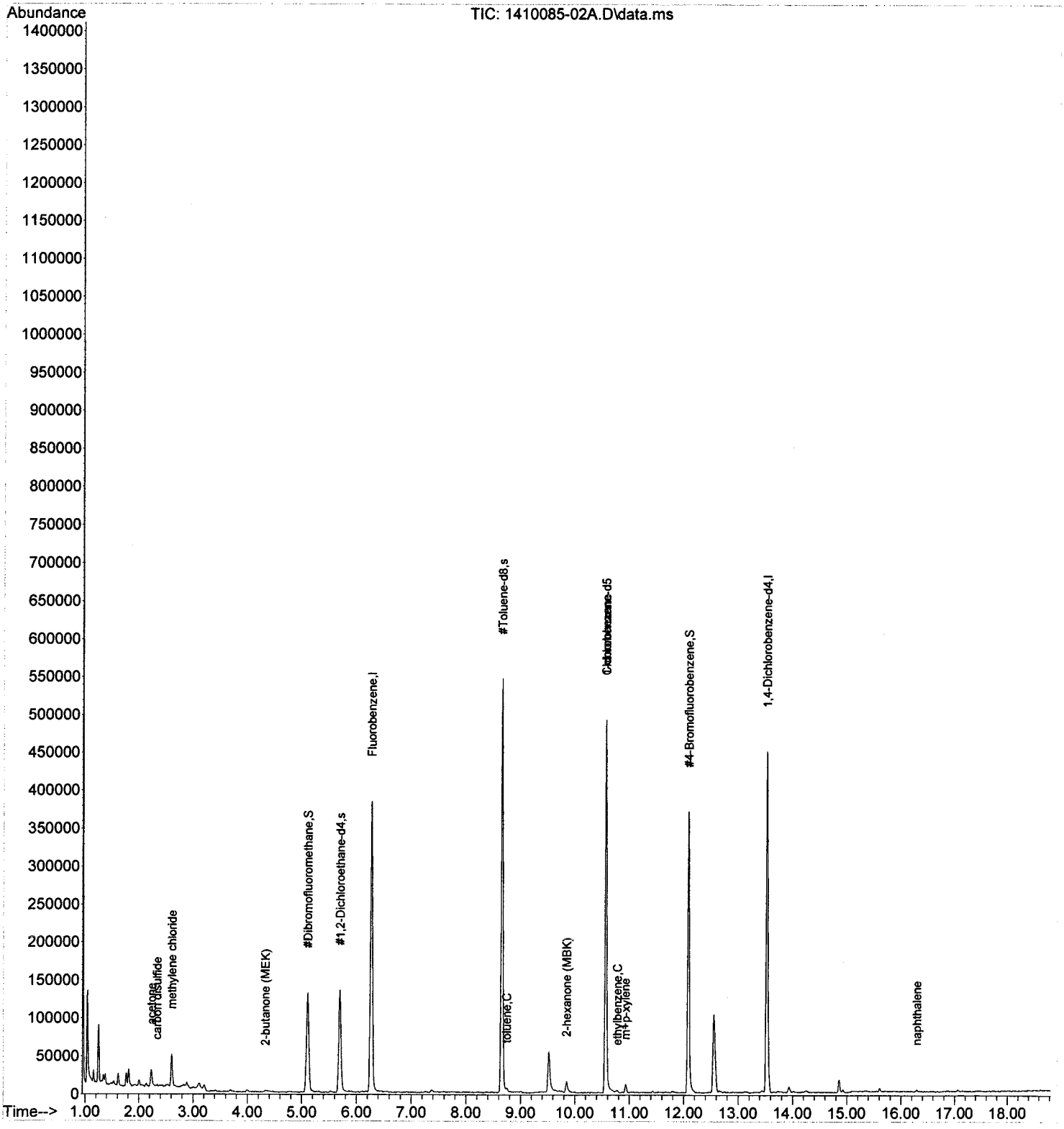
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-02
File ID: 1410085-02A.D
Sampled: 10/01/14 09:36
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 15:09
Solids: 95.81
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	339661	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	160973	13.525	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-02A.D
Acq On : 10 Oct 2014 15:09
Operator : DLV
Sample : 1410085-02A
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 11 08:34:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001878

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-02A.D
Acq On : 10 Oct 2014 15:09
Operator : DLV
Sample : 1410085-02A
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 11 08:34:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	486409	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	339661	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	160973	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.108	111	128603	42.59	ug/L		0.00
Spiked Amount 40.000			Recovery = 106.48%				
37) #1,2-Dichloroethane-d4	5.696	67	77678	43.81	ug/L		0.00
Spiked Amount 40.000			Recovery = 109.53%				
46) #Toluene-d8	8.654	98	463050	39.37	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.42%				
64) #4-Bromofluorobenzene	12.084	95	163435	38.88	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.20%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	31957	✓ 19.09	ug/L		99
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	2809	✓ 0.29	ug/L	#	75
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.608	49	24854	✓ 0.52	ug/L		97
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	4757	✓ 2.49	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

001374

Quantitation Report (Not Reviewed)

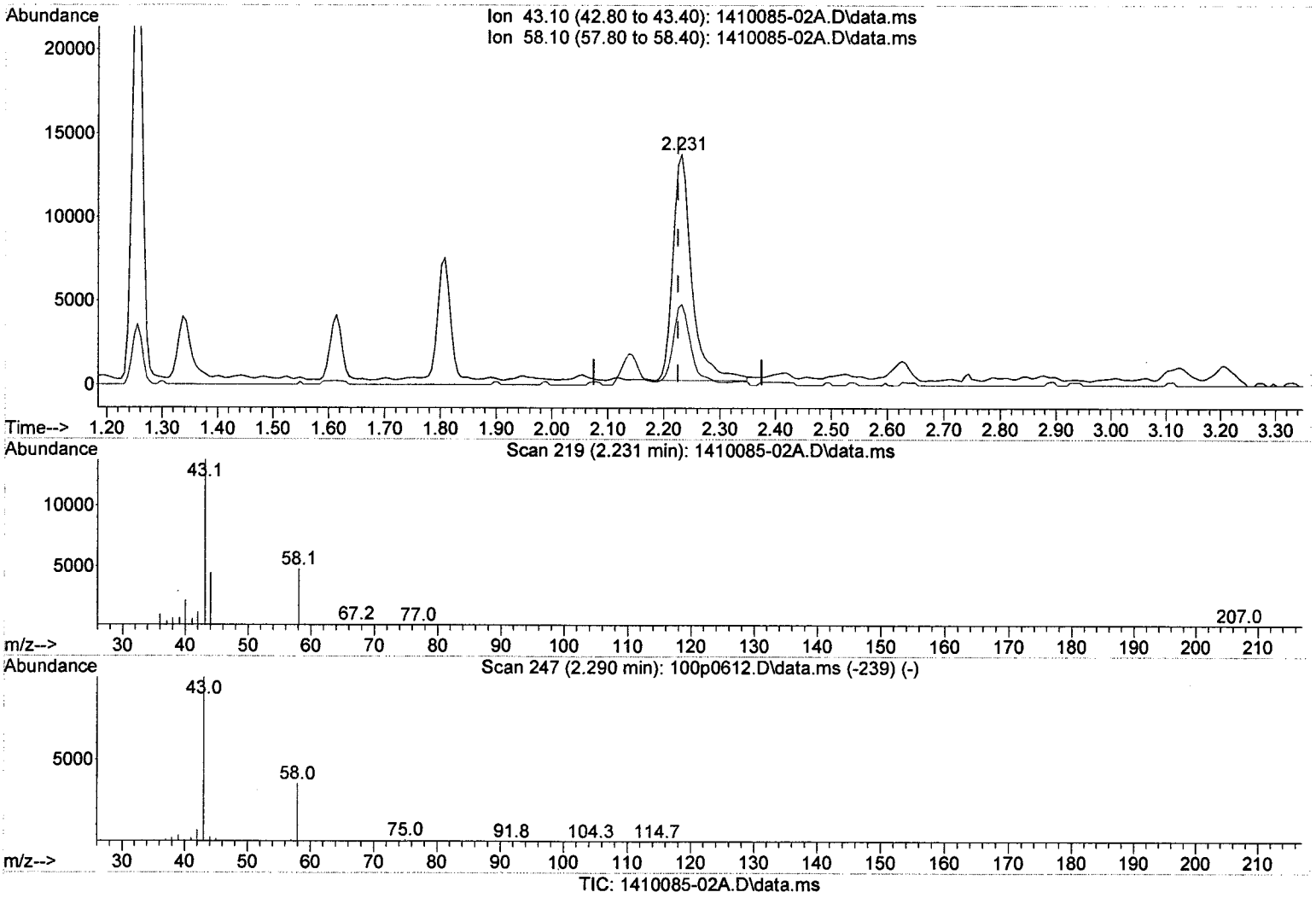
InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-02A.D
Acq On : 10 Oct 2014 15:09
Operator : DLV
Sample : 1410085-02A
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 11 08:34:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.743	91	2737	0.15	ug/L	#	23
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	9.849	43	4416	~~1.62~~	ug/L	#	7
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.566	55	2902	0.63	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.778	91	2212	0.11	ug/L	#	45
60)	m+p-xylene	10.931	106	3853	0.51	ug/L		92
61)	o-xylene	0.000		0	N.D.			
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	0.000		0	N.D.			
77)	sec-butylbenzene	0.000		0	N.D.			
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	16.295	128	2273	2.30	ug/L	#	77
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-02A.D
Acq On : 10 Oct 2014 15:09
Operator : DLV
Sample : 1410085-02A
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 11 08:34:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-02A.D\data.ms

(13) acetone

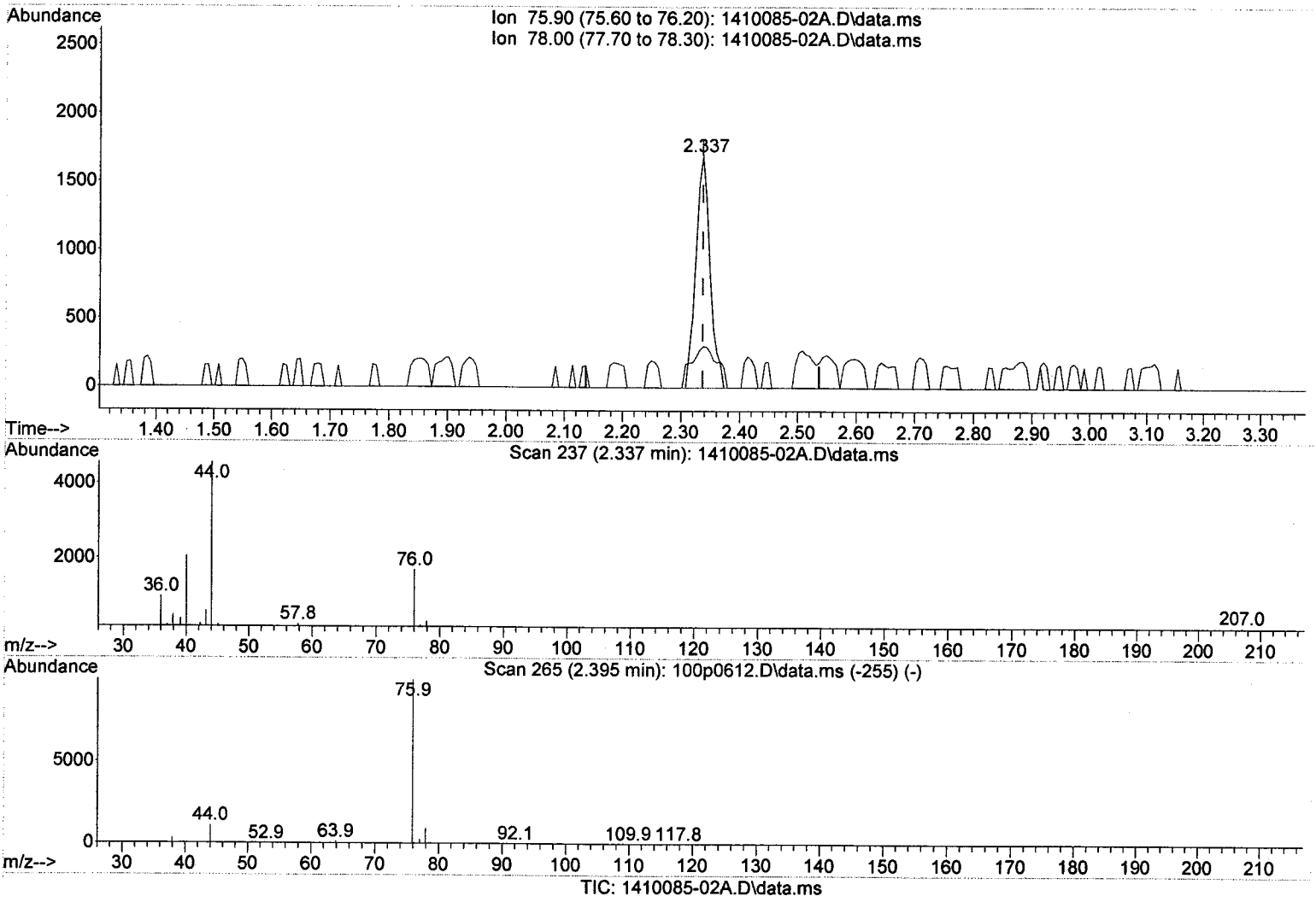
2.231min (+ 0.006) 19.09 ug/L

response 31957

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	31.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-02A.D
Acq On : 10 Oct 2014 15:09
Operator : DLV
Sample : 1410085-02A
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 11 08:34:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-02A.D\data.ms

(15) carbon disulfide

2.337min (+ 0.000) 0.29 ug/L

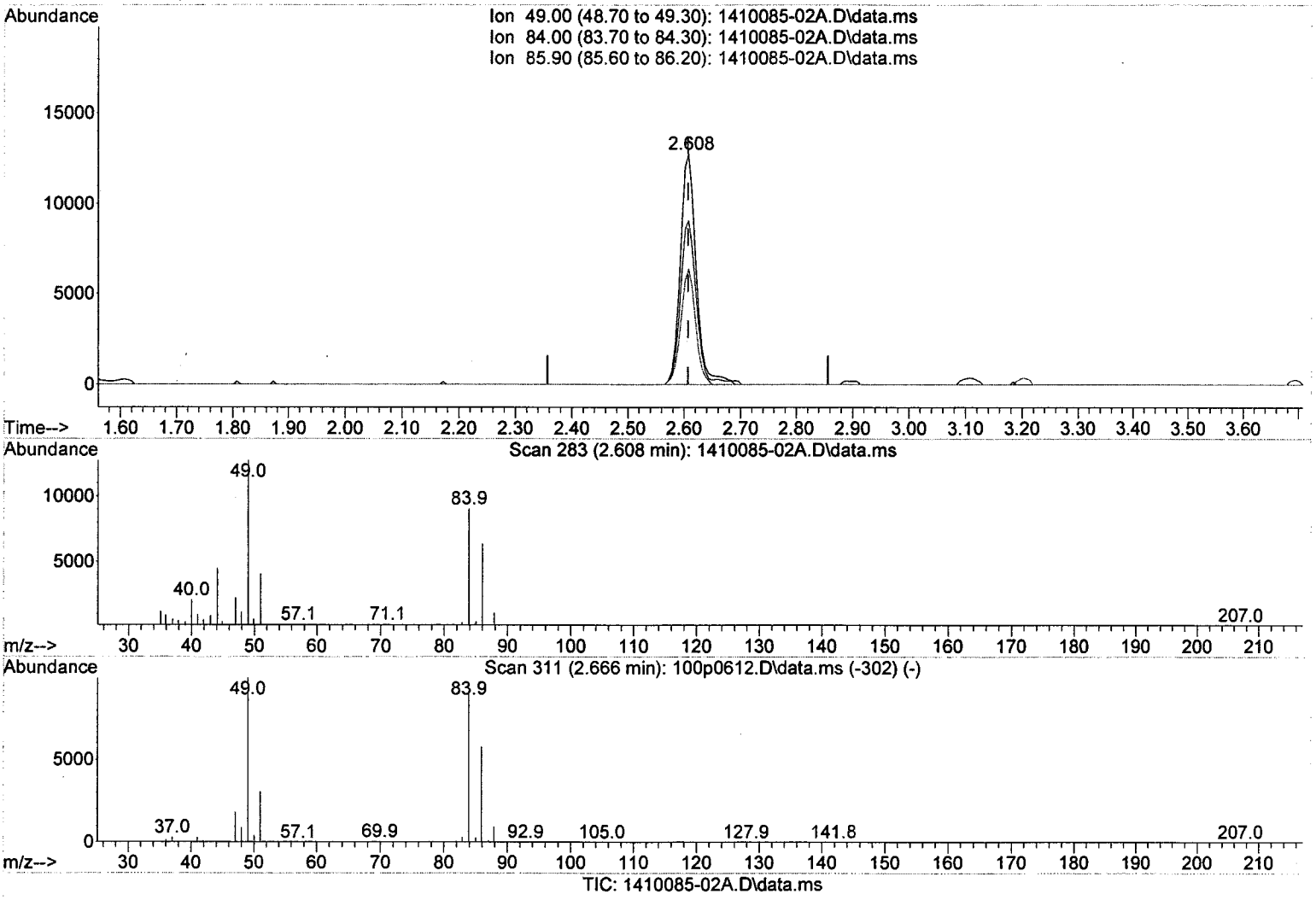
response 2809

Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

001377

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-02A.D
Acq On : 10 Oct 2014 15:09
Operator : DLV
Sample : 1410085-02A
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 11 08:34:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-02A.D\data.ms

(17) methylene chloride

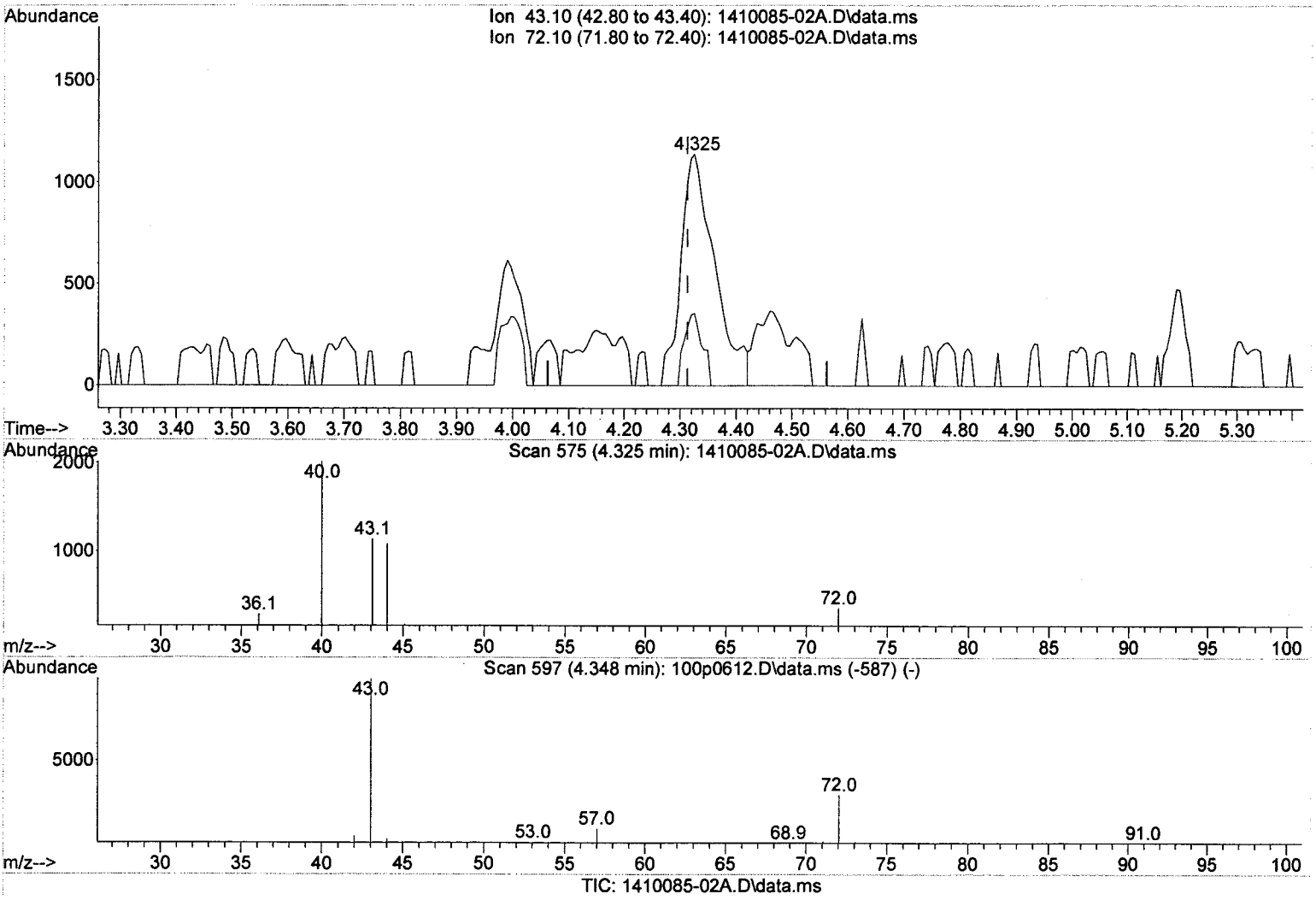
2.608min (+ 0.001) 0.52 ug/L

response 24854

Ion	Exp%	Act%
49.00	100.00	100.00
84.00	74.80	71.39
85.90	48.00	46.29
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-02A.D
Acq On : 10 Oct 2014 15:09
Operator : DLV
Sample : 1410085-02A
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 11 08:34:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-02A.D\data.ms

(25) 2-butanone (MEK)

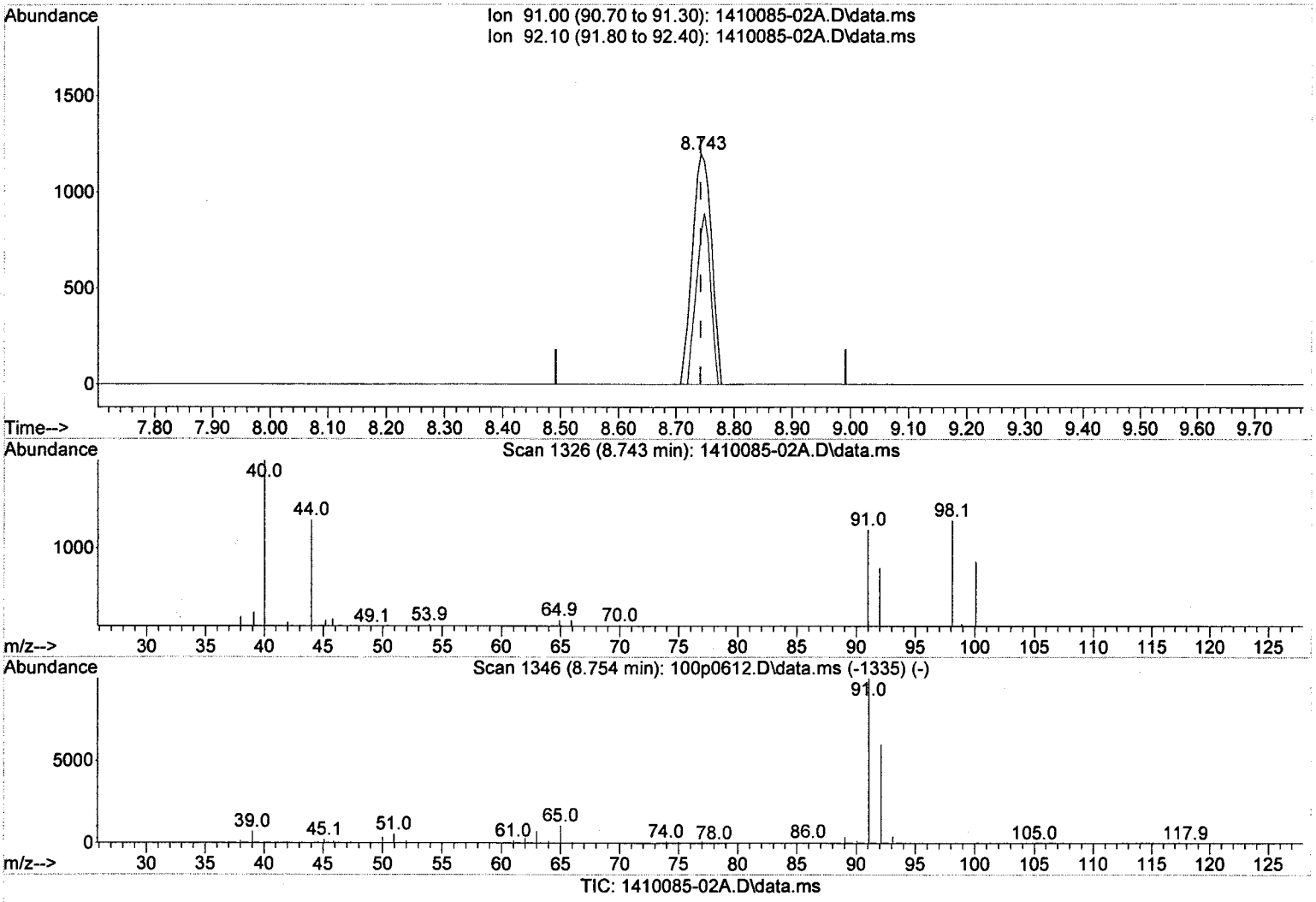
4.325min (+ 0.012) 2.49 ug/L

response 4757

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-02A.D
Acq On : 10 Oct 2014 15:09
Operator : DLV
Sample : 1410085-02A
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 11 08:34:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-02A.D\data.ms

(47) toluene (C)

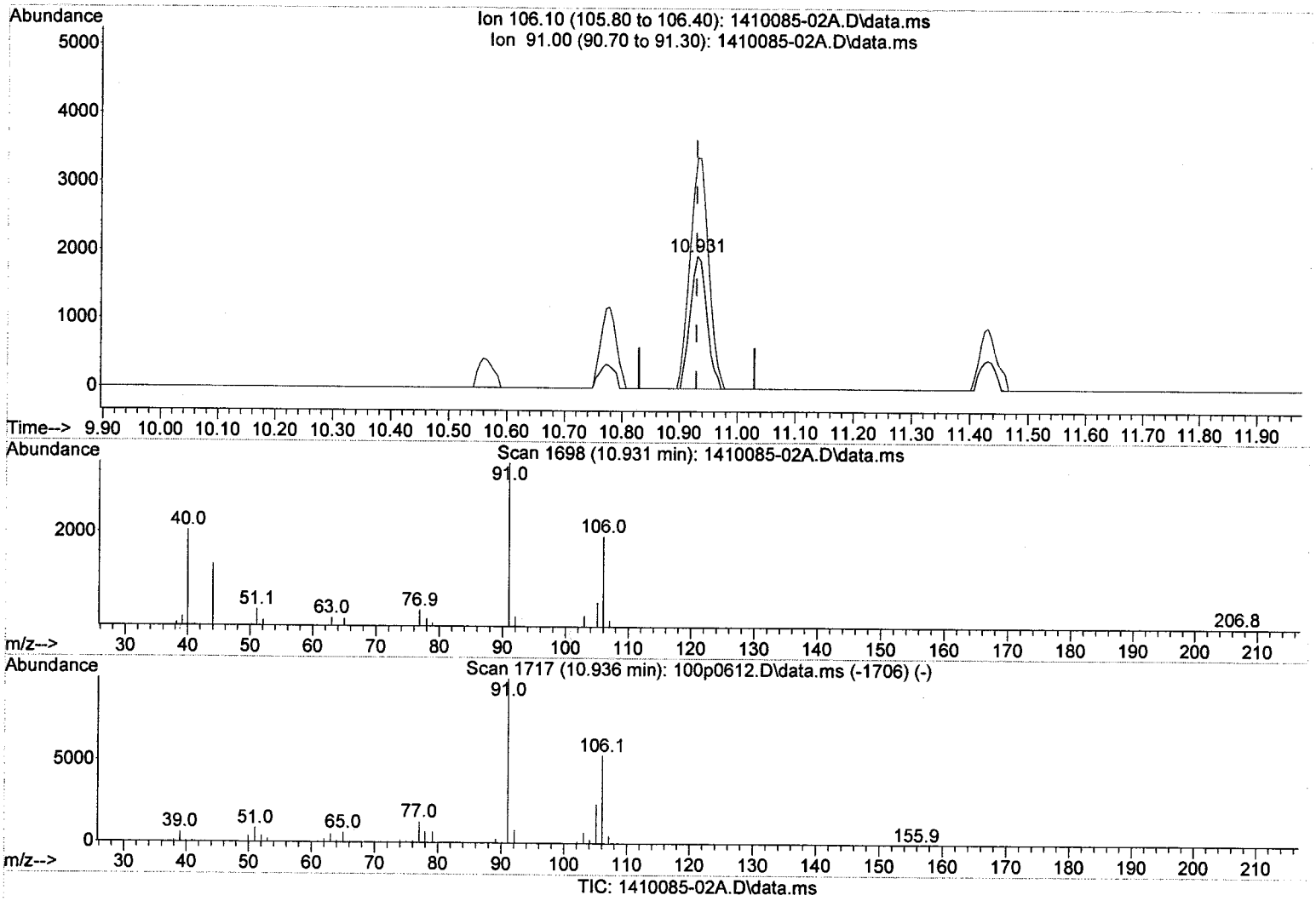
8.743min (+ 0.001) 0.15 ug/L

response 2737

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-02A.D
Acq On : 10 Oct 2014 15:09
Operator : DLV
Sample : 1410085-02A
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 11 08:34:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-02A.D\data.ms

(60) m+p-xylene

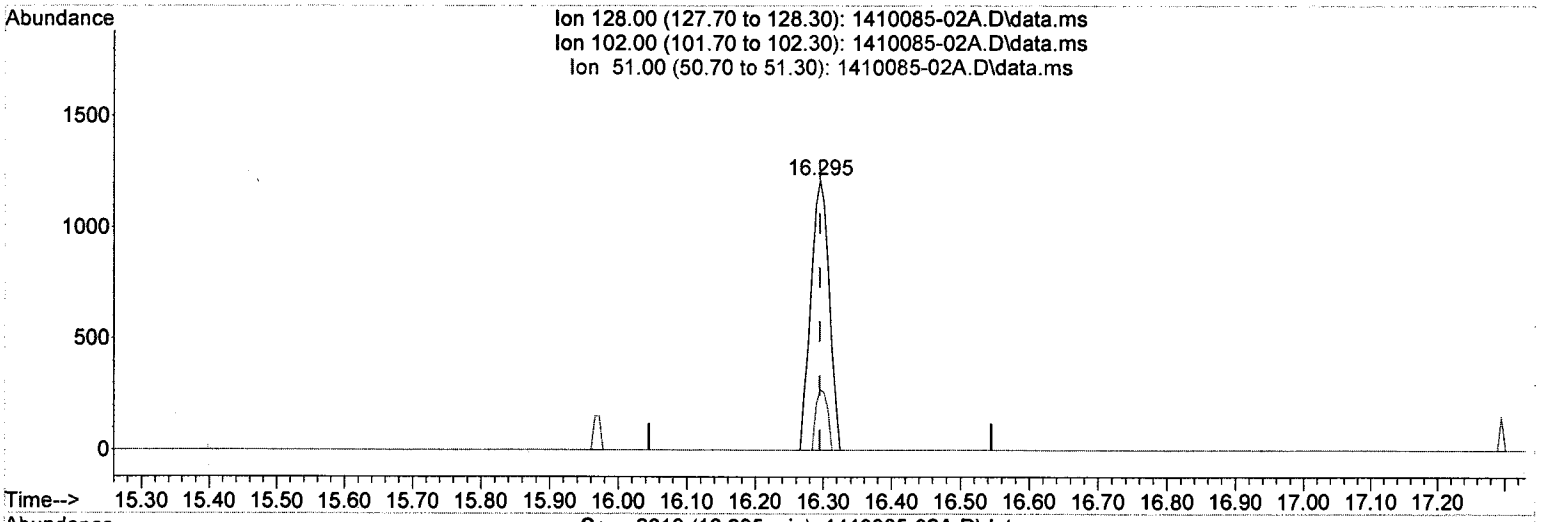
10.931min (+ 0.001) 0.51 ug/L

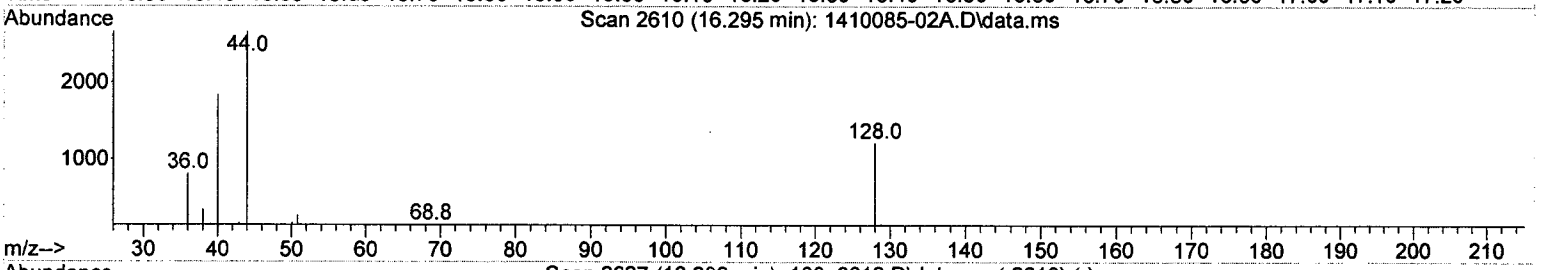
response 3853

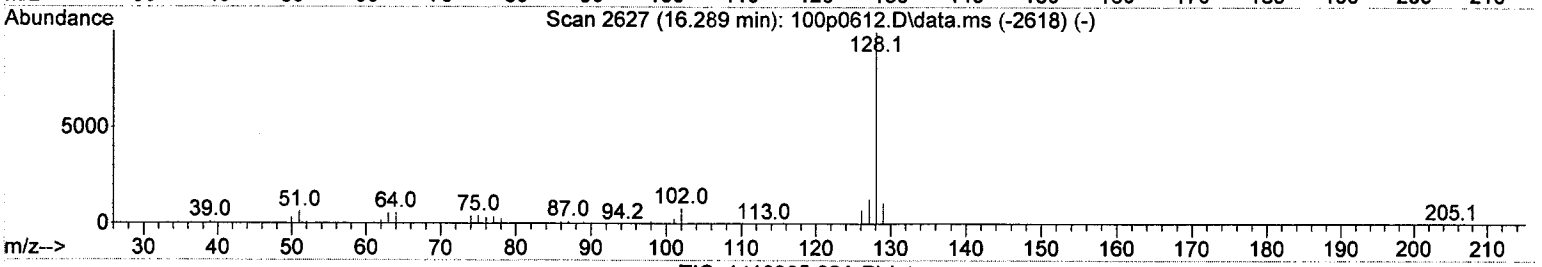
Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	195.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-02A.D
Acq On : 10 Oct 2014 15:09
Operator : DLV
Sample : 1410085-02A
Misc : AECOM
ALS Vial : 22 Sample Multiplier: 1
Quant Time: Oct 11 08:34:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410085-02A.D\data.ms

(87) naphthalene

16.295min (+ 0.000) 2.30 ug/L

response 2273

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	0.00
51.00	7.70	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17GW34-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410085-03 File ID: 1410085-03.D

Sampled: 10/01/14 09:55 Prepared: 10/13/14 19:00 Analyzed: 10/13/14 22:14

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1411272 Sequence: 4J14046 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	2.0	1.6	5.0	5.0	J
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17GW34-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410085-03 File ID: 1410085-03.D

Sampled: 10/01/14 09:55 Prepared: 10/13/14 19:00 Analyzed: 10/13/14 22:14

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1411272 Sequence: 4J14046 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.44	0.10	0.20	1.0	J
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	38.7	97	80 - 119	
1,2-Dichloroethane-d4	40.0	38.4	96	81 - 118	
Toluene-d8	40.0	39.2	98	89 - 112	
4-Bromofluorobenzene	40.0	37.2	93	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17GW34-01

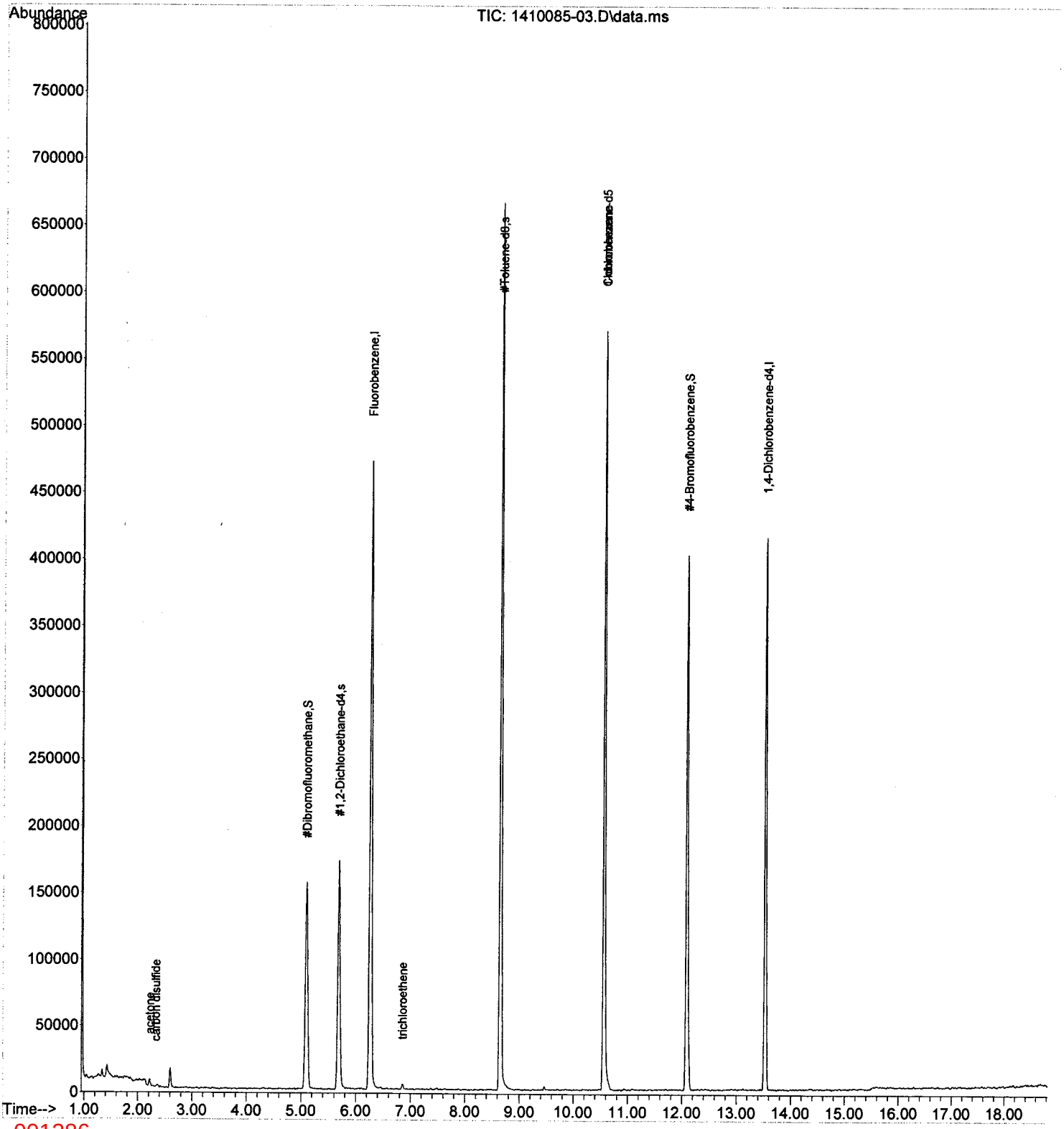
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1410085-03
File ID: 1410085-03.D
Sampled: 10/01/14 09:55
Prepared: 10/13/14 19:00
Analyzed: 10/13/14 22:14
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1411272
Sequence: 4J14046
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	602269	6.266	523953	6.266	
Chlorobenzene-d5	411820	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	149428	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : 1410085-03.D
Acq On : 13 Oct 2014 22:14
Operator : DLV
Sample : 1410085-03
Misc : AECOM
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Oct 14 07:14:14 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : 1410085-03.D
Acq On : 13 Oct 2014 22:14
Operator : DLV
Sample : 1410085-03
Misc : AECOM
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Oct 14 07:14:14 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.266	96	602269	40.00 ug/L	0.00
50) Chlorobenzene-d5	10.560	117	411820	40.00 ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	149428	40.00 ug/L	# 0.00
System Monitoring Compounds					
29) #Dibromofluoromethane	5.095	111	154332	38.72 ug/L	0.00
Spiked Amount 40.000			Recovery =	96.80%	
37) #1,2-Dichloroethane-d4	5.684	67	95050	38.41 ug/L	0.00
Spiked Amount 40.000			Recovery =	96.02%	
46) #Toluene-d8	8.654	98	575716	39.23 ug/L	0.00
Spiked Amount 40.000			Recovery =	98.07%	
64) #4-Bromofluorobenzene	12.083	95	190762	37.17 ug/L	0.00
Spiked Amount 40.000			Recovery =	92.92%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.	
3) chloromethane	1.190	50	1217	N.D.	
4) vinyl chloride	0.000		0	N.D.	
5) bromomethane	0.000		0	N.D.	
6) chloroethane	0.000		0	N.D.	
7) dichlorofluoromethane	0.000		0	N.D.	
8) trichlorofluoromethane	0.000		0	N.D.	
9) ethyl ether	0.000		0	N.D.	
10) acrolein	0.000		0	N.D.	
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.	
12) 1,1-dichloroethene	0.000		0	N.D.	
13) acetone	2.219	43	6332	2.01 ug/L	96
14) iodomethane	0.000		0	N.D.	
15) carbon disulfide	2.331	76	1266	0.12 ug/L #	74
16) methyl acetate	0.000		0	N.D.	
17) methylene chloride	2.601	49	7998	Below Cal	98
18) acrylonitrile	0.000		0	N.D.	
19) trans-1,2-dichloroethene	0.000		0	N.D.	
20) methyl (tert) butyl ether	0.000		0	N.D.	
21) 1,1-dichloroethane	0.000		0	N.D.	
22) vinyl acetate	0.000		0	N.D.	
23) 2,2-dichloropropane	0.000		0	N.D.	
24) cis-1,2-dichloroethene	0.000		0	N.D.	
25) 2-butanone (MEK)	0.000		0	N.D.	
26) bromochloromethane	0.000		0	N.D.	
27) tetrahydrofuran	0.000		0	N.D.	
28) chloroform	0.000		0	N.D.	
30) 1,1,1-trichloroethane	0.000		0	N.D.	
31) cyclohexane	0.000		0	N.D.	
32) carbon tetrachloride	0.000		0	N.D.	
33) 1,1-dichloropropene	0.000		0	N.D.	
34) benzene	0.000		0	N.D.	
35) 1,2-dichloroethane	0.000		0	N.D.	
36) heptane	6.266	57	20011	No Calib	
38) trichloroethene	6.854	130	2013	0.44 ug/L #	73

Quantitation Report (Not Reviewed)

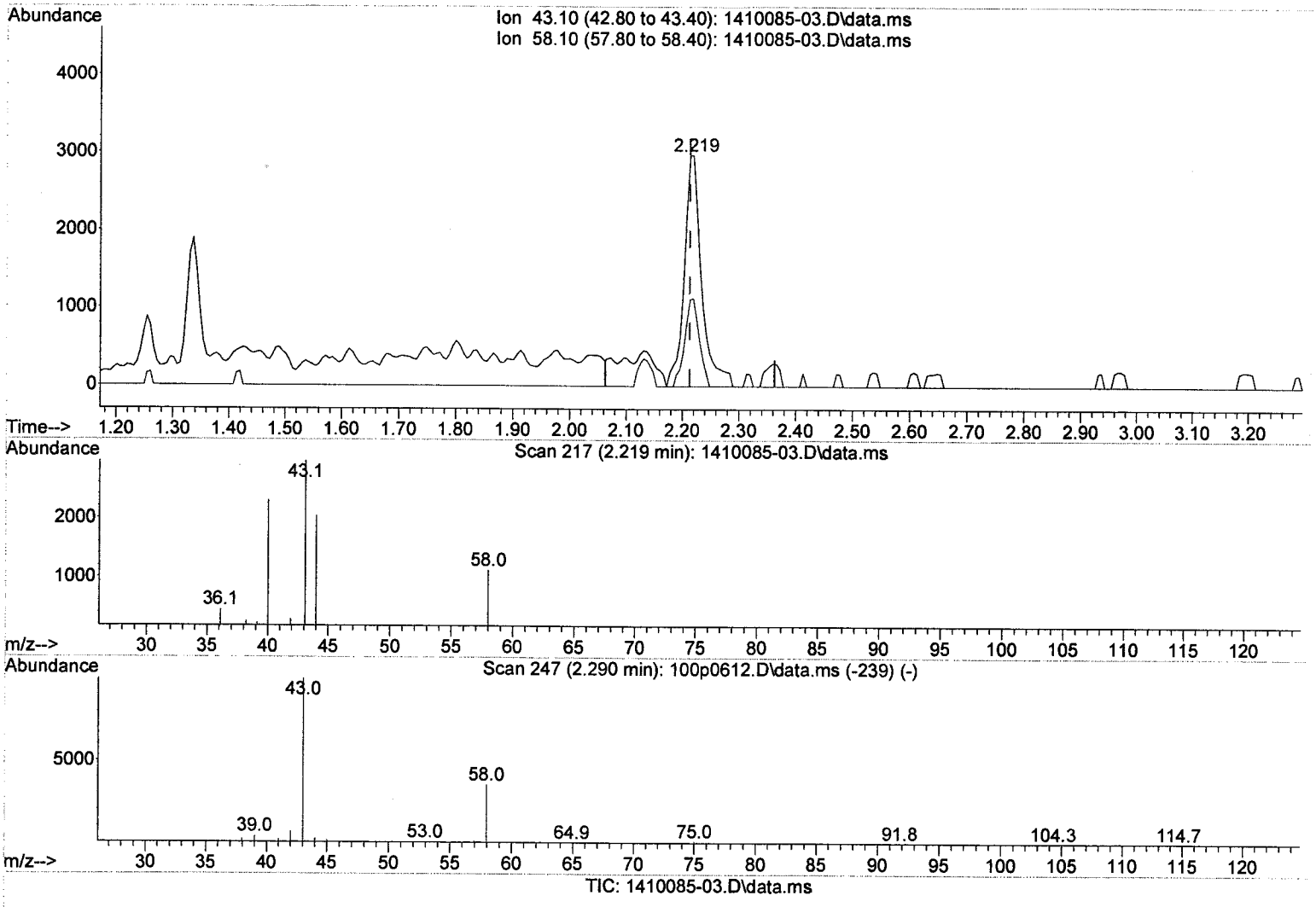
InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : 1410085-03.D
Acq On : 13 Oct 2014 22:14
Operator : DLV
Sample : 1410085-03
Misc : AECOM
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Oct 14 07:14:14 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	3395	0.82 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : 1410085-03.D
Acq On : 13 Oct 2014 22:14
Operator : DLV
Sample : 1410085-03
Misc : AECOM
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Oct 14 07:14:14 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



TIC: 1410085-03.D\data.ms

(13) acetone

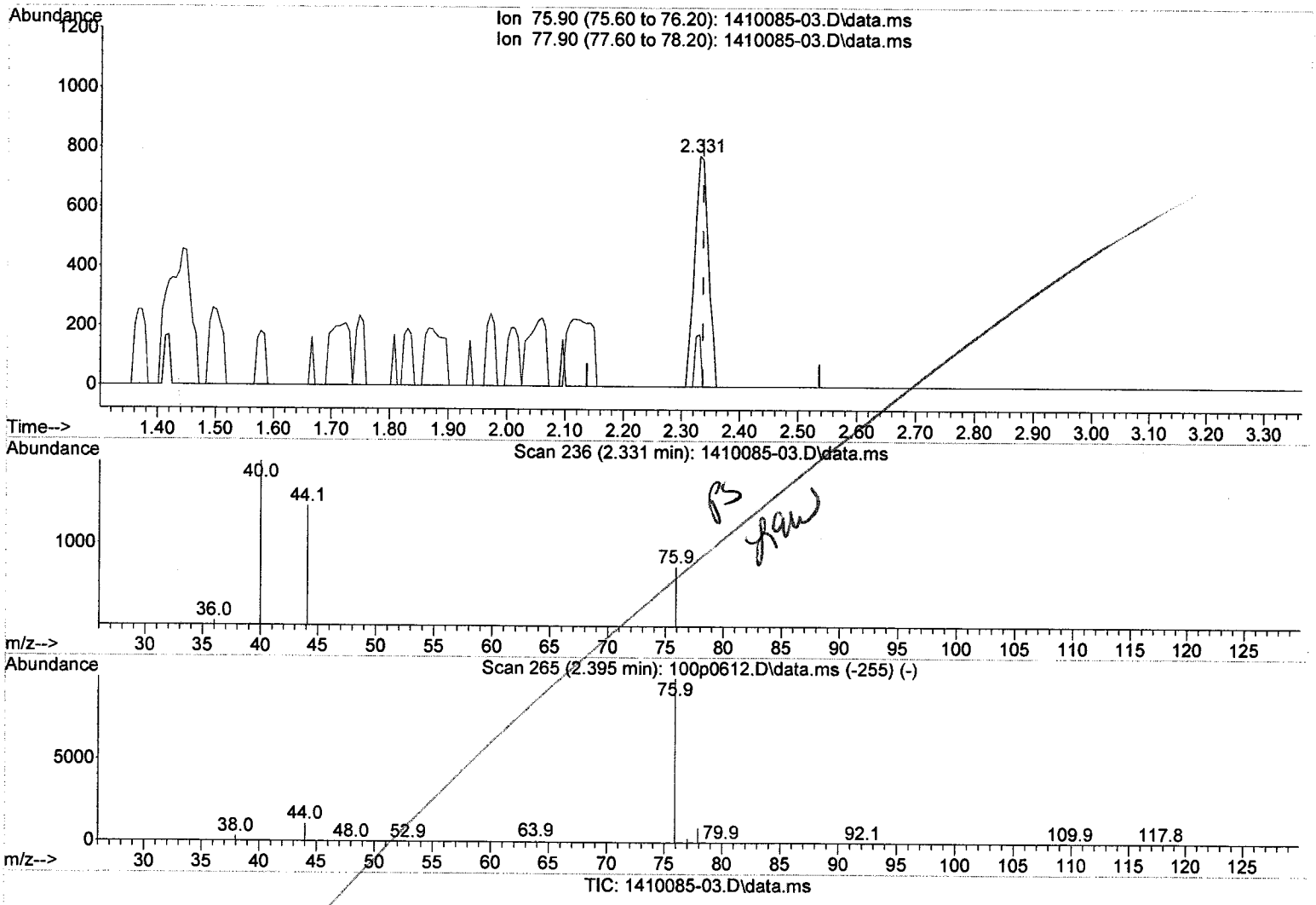
2.219min (+ 0.006) 2.01 ug/L

response 6332

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	31.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : 1410085-03.D
Acq On : 13 Oct 2014 22:14
Operator : DLV
Sample : 1410085-03
Misc : AECOM
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Oct 14 07:14:14 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



(15) carbon disulfide

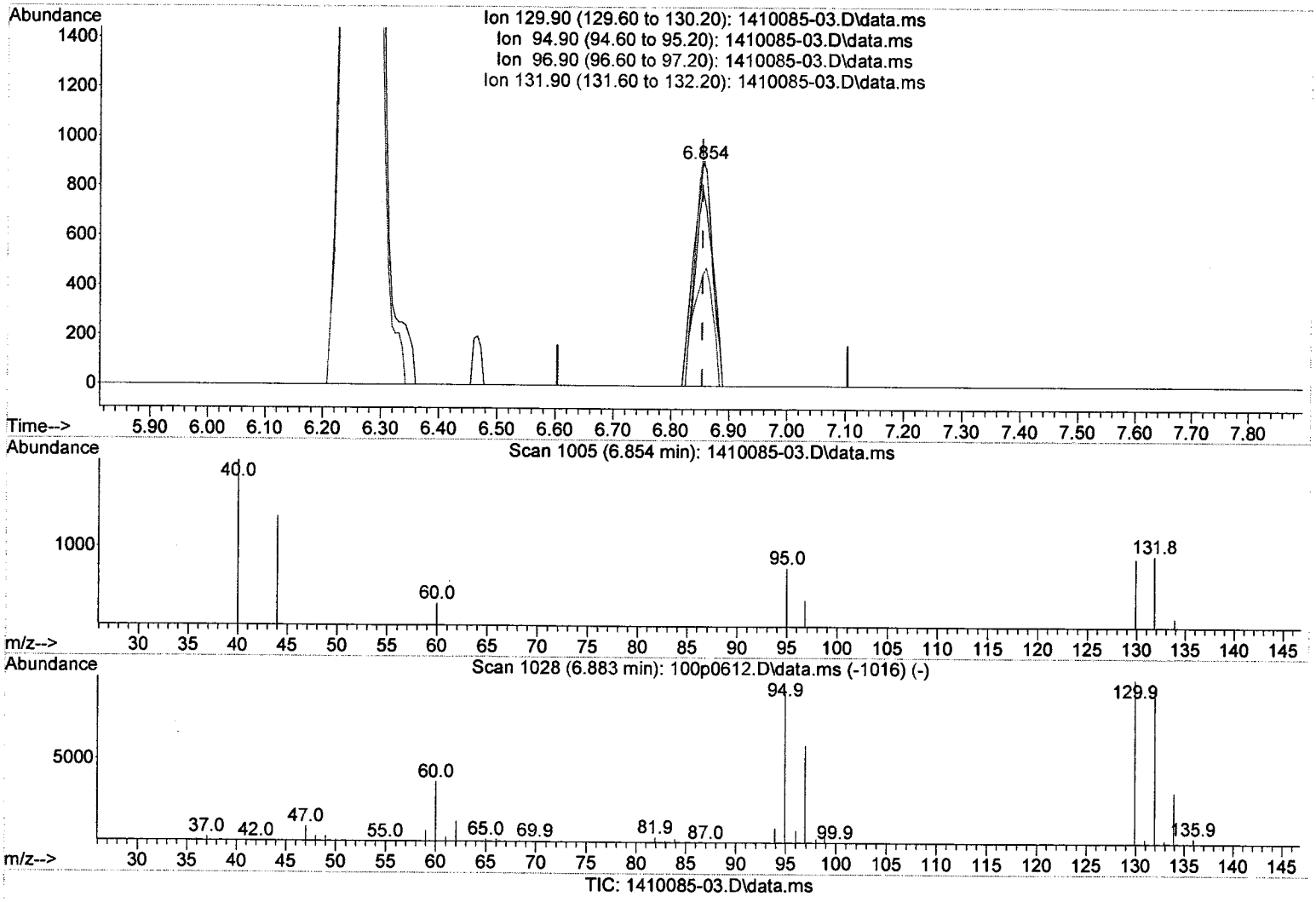
2.331min (-0.006) 0.12 ug/L

response 1266

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : 1410085-03.D
Acq On : 13 Oct 2014 22:14
Operator : DLV
Sample : 1410085-03
Misc : AECOM
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Oct 14 07:14:14 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



TIC: 1410085-03.D\data.ms

(38) trichloroethene

6.854min (+ 0.000) 0.44 ug/L

response 2013

Ion	Exp%	Act%
129.90	100.00	100.00
94.90	102.00	85.20
96.90	65.50	0.00#
131.90	94.40	94.68

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB35-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-04 File ID: 1410085-04A.D

Sampled: 10/01/14 10:10 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 14:46

Solids: 96.56 Preparation: 5035A Low Concentratio Initial/Final: 4.2 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	21	5.2	6.2	6.2	B
71-43-2	Benzene	1	0.62	0.20	0.62	1.2	U
108-86-1	Bromobenzene	1	0.62	0.17	0.62	1.2	U
74-97-5	Bromochloromethane	1	0.62	0.18	0.62	1.2	U
75-27-4	Bromodichloromethane	1	0.62	0.21	0.62	1.2	U
75-25-2	Bromoform	1	0.62	0.44	0.62	1.2	U
74-83-9	Bromomethane	1	0.62	0.40	0.62	1.2	U
104-51-8	n-Butylbenzene	1	0.62	0.32	0.62	1.2	U
135-98-8	sec-Butylbenzene	1	0.62	0.26	0.62	1.2	U
98-06-6	tert-Butylbenzene	1	0.62	0.21	0.62	1.2	U
75-15-0	Carbon Disulfide	1	0.62	0.28	0.62	1.2	U
56-23-5	Carbon Tetrachloride	1	0.62	0.40	0.62	1.2	U
108-90-7	Chlorobenzene	1	0.62	0.18	0.62	1.2	U
75-00-3	Chloroethane	1	1.2	0.62	1.2	1.2	U
67-66-3	Chloroform	1	0.62	0.18	0.62	1.2	U
74-87-3	Chloromethane	1	0.62	0.31	0.62	1.2	U
95-49-8	2-Chlorotoluene	1	0.62	0.36	0.62	1.2	U
106-43-4	4-Chlorotoluene	1	0.25	0.25	0.25	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.2	0.73	1.2	6.2	U
124-48-1	Dibromochloromethane	1	0.62	0.23	0.62	1.2	U
106-93-4	1,2-Dibromoethane	1	0.62	0.19	0.62	1.2	U
74-95-3	Dibromomethane	1	0.62	0.28	0.62	1.2	U
95-50-1	1,2-Dichlorobenzene	1	0.25	0.12	0.25	1.2	U
541-73-1	1,3-Dichlorobenzene	1	0.25	0.13	0.25	1.2	U
106-46-7	1,4-Dichlorobenzene	1	0.25	0.13	0.25	1.2	U
75-71-8	Dichlorodifluoromethane	1	0.62	0.18	0.62	1.2	U
75-34-3	1,1-Dichloroethane	1	0.62	0.26	0.62	1.2	U
107-06-2	1,2-Dichloroethane	1	0.62	0.28	0.62	1.2	U
75-35-4	1,1-Dichloroethene	1	0.62	0.38	0.62	1.2	U
156-59-2	cis-1,2-Dichloroethene	1	0.62	0.28	0.62	1.2	U
156-60-5	trans-1,2-Dichloroethene	1	0.62	0.33	0.62	1.2	U
78-87-5	1,2-Dichloropropane	1	0.62	0.21	0.62	1.2	U
142-28-9	1,3-Dichloropropane	1	0.62	0.18	0.62	1.2	U
594-20-7	2,2-Dichloropropane	1	0.62	0.28	0.62	1.2	U
563-58-6	1,1-Dichloropropene	1	0.62	0.34	0.62	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1	0.25	0.14	0.25	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1	0.62	0.15	0.62	1.2	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB35-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-04 File ID: 1410085-04A.D

Sampled: 10/01/14 10:10 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 14:46

Solids: 96.56 Preparation: 5035A Low Concentratio Initial/Final: 4.2 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.62	0.23	0.62	1.2	U
87-68-3	Hexachlorobutadiene	1	0.62	0.26	0.62	1.2	U
591-78-6	2-Hexanone	1	0.62	0.59	0.62	6.2	U
98-82-8	Isopropylbenzene	1	0.25	0.14	0.25	1.2	U
99-87-6	4-Isopropyltoluene	1	0.62	0.30	0.62	1.2	U
75-09-2	Methylene Chloride	1	1.2	0.58	1.2	6.2	U
78-93-3	2-Butanone (MEK)	1	2.1	1.4	6.2	6.2	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.62	0.48	0.62	6.2	U
91-20-3	Naphthalene	1	0.62	0.20	0.62	6.2	U
103-65-1	n-Propylbenzene	1	0.62	0.14	0.62	1.2	U
100-42-5	Styrene	1	0.25	0.25	0.25	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.62	0.18	0.62	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.62	0.18	0.62	1.2	U
127-18-4	Tetrachloroethene	1	0.62	0.21	0.62	1.2	U
108-88-3	Toluene	1	0.16	0.12	0.25	1.2	J
87-61-6	1,2,3-Trichlorobenzene	1	0.62	0.35	0.62	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1	0.62	0.21	0.62	1.2	U
71-55-6	1,1,1-Trichloroethane	1	0.62	0.18	0.62	1.2	U
79-00-5	1,1,2-Trichloroethane	1	0.62	0.26	0.62	1.2	U
79-01-6	Trichloroethene	1	0.62	0.30	0.62	1.2	U
75-69-4	Trichlorofluoromethane	1	0.62	0.21	0.62	1.2	U
96-18-4	1,2,3-Trichloropropane	1	0.62	0.28	0.62	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1	0.62	0.14	0.62	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1	0.62	0.24	0.62	1.2	U
75-01-4	Vinyl Chloride	1	0.62	0.25	0.62	1.2	U
179601-23-1	Xylene, Meta + Para	1	0.47	0.18	0.49	2.5	J
95-47-6	Xylene, Ortho	1	0.25	0.14	0.25	1.2	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.6	104	78 - 119	
1,2-Dichloroethane-d4	40.0	44.9	112	71 - 136	
Toluene-d8	40.0	40.2	100	85 - 116	
4-Bromofluorobenzene	40.0	41.0	103	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	467147	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB35-15

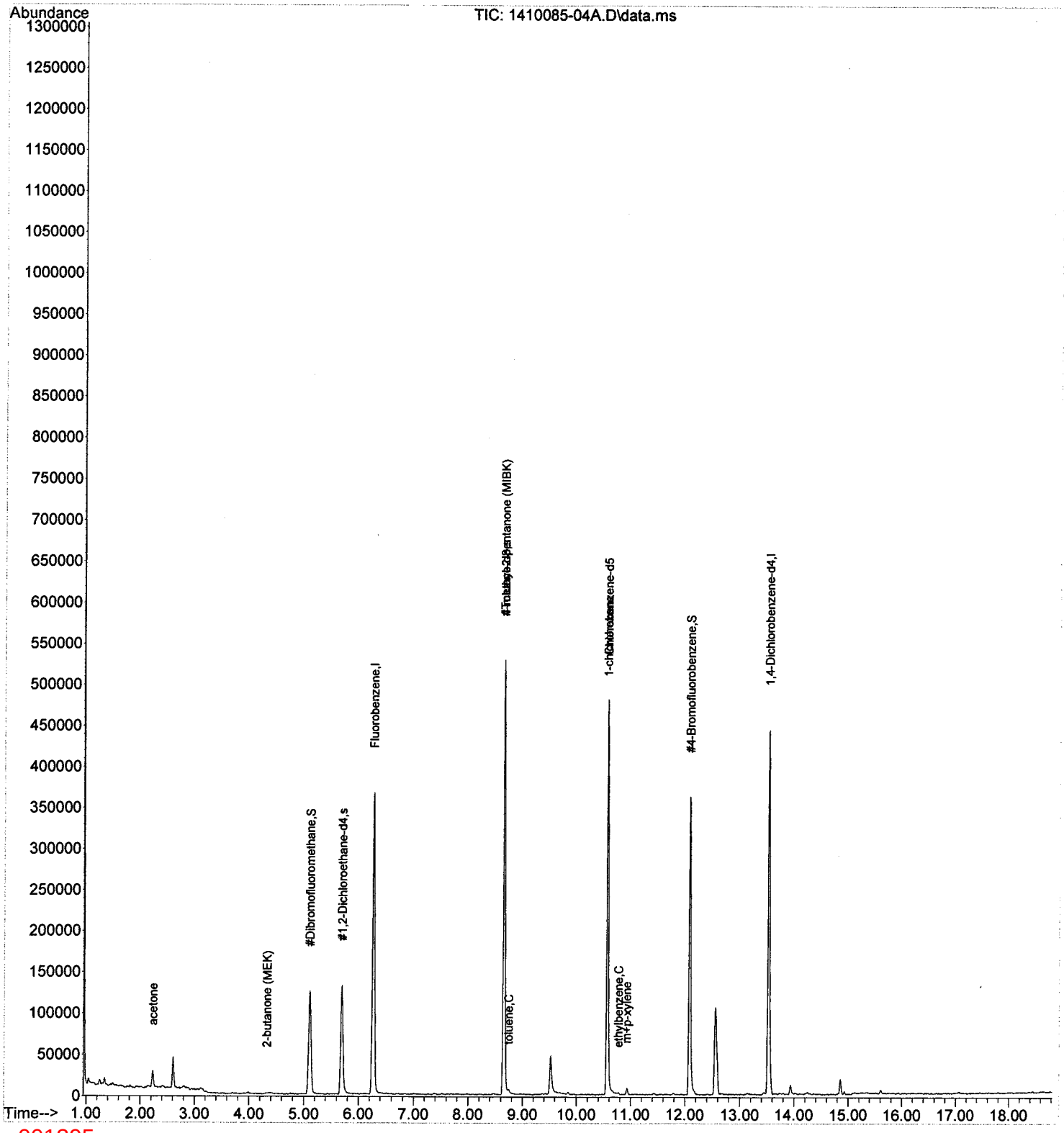
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-04
File ID: 1410085-04A.D
Sampled: 10/01/14 10:10
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 14:46
Solids: 96.56
Preparation: 5035A Low Concentratio
Initial/Final: 4.2 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	325565	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	157856	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-04A.D
Acq On : 10 Oct 2014 14:46
Operator : DLV
Sample : 1410085-04
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 10 15:06:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-04A.D
Acq On : 10 Oct 2014 14:46
Operator : DLV
Sample : 1410085-04
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 10 15:06:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	467147	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	325565	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	157856	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	120542	41.57	ug/L	0.00
Spiked Amount 40.000			Recovery = 103.93%			
37) #1,2-Dichloroethane-d4	5.695	67	76388	44.86	ug/L	0.00
Spiked Amount 40.000			Recovery = 112.15%			
46) #Toluene-d8	8.654	98	453496	40.15	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.37%			
64) #4-Bromofluorobenzene	12.083	95	165246	41.01	ug/L	0.00
Spiked Amount 40.000			Recovery = 102.53%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	27953	16.83	ug/L	93
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	22022	N.D.		
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	3140	1.71	ug/L #	48
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-04A.D
Acq On : 10 Oct 2014 14:46
Operator : DLV
Sample : 1410085-04
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 10 15:06:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

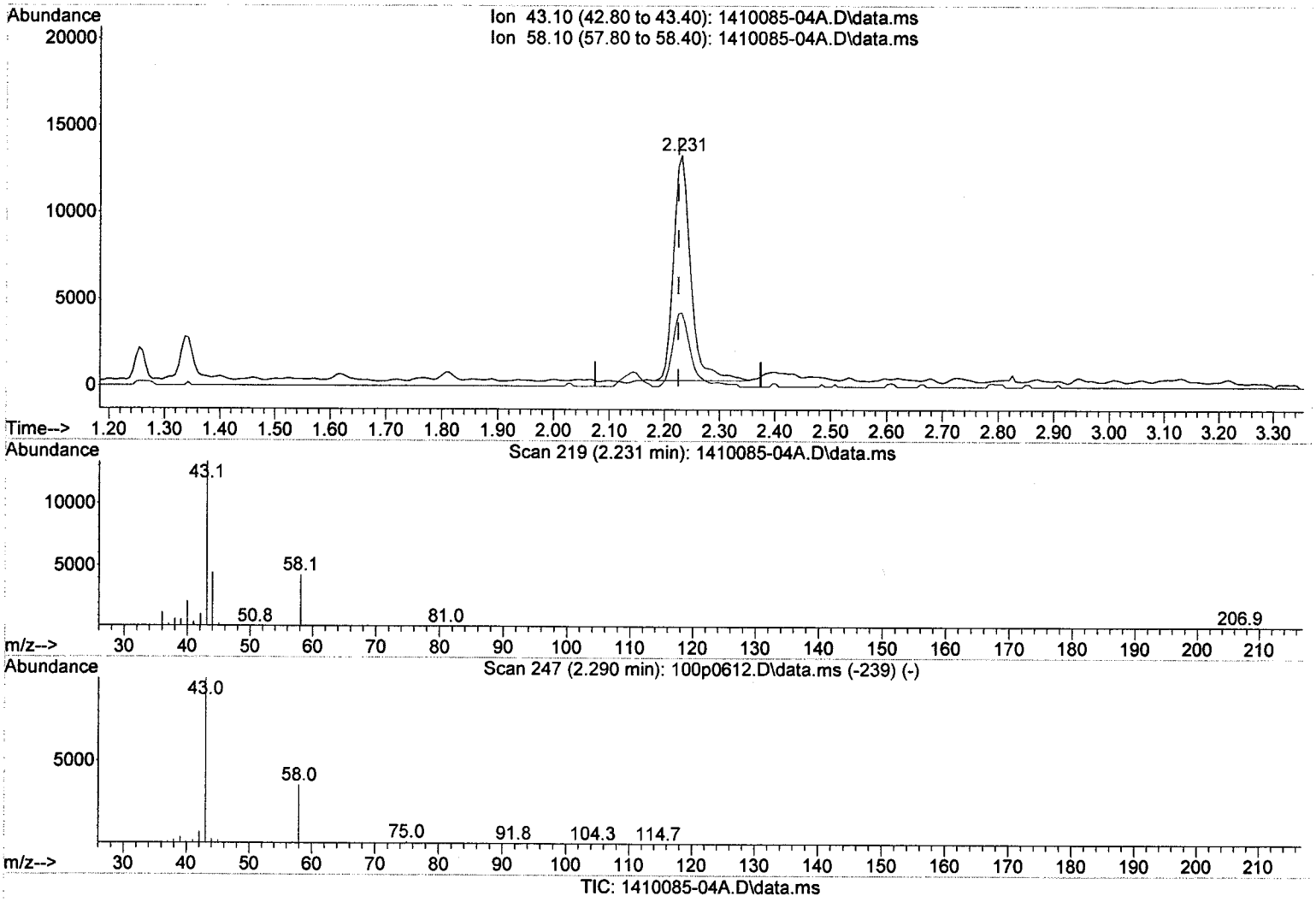
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.		
40)	1,2-dichloropropane	0.000		0	N.D.		
41)	dibromomethane	0.000		0	N.D.		
42)	bromodichloromethane	0.000		0	N.D.		
43)	2-chloroethyl vinyl ether	0.000		0	N.D.		
44)	cis-1,3-dichloropropene	0.000		0	N.D.		
45)	4-methyl-2-pentanone (...	8.654	43	1666	0.47	ug/L #	1
47)	toluene	8.742	91	2268	0.13	ug/L #	23
48)	trans-1,3-dichloropropene	0.000		0	N.D.		
49)	1,1,2-trichloroethane	0.000		0	N.D.		
51)	tetrachloroethene	0.000		0	N.D.		
52)	1,3-dichloropropane	0.000		0	N.D.		
53)	2-hexanone (MBK)	0.000		0	N.D.		
54)	dibromochloromethane	0.000		0	N.D.		
55)	1,2-dibromoethane	0.000		0	N.D.		
56)	chlorobenzene	0.000		0	N.D.		
57)	1-chlorohexane	10.560	55	3004	0.68	ug/L #	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.		
59)	ethylbenzene	10.772	91	1692	0.09	ug/L #	45
60)	m+p-xylene	10.930	106	2723	0.38	ug/L	91
61)	o-xylene	0.000		0	N.D.		
62)	styrene	0.000		0	N.D.		
63)	bromoform	0.000		0	N.D.		
66)	isopropylbenzene	0.000		0	N.D.		
67)	bromobenzene	0.000		0	N.D.		
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.		
69)	1,2,3-trichloropropane	0.000		0	N.D.		
70)	1,4-dichloro-2-butene	0.000		0	N.D.		
71)	n-propylbenzene	0.000		0	N.D.		
72)	2-chlorotoluene	0.000		0	N.D.		
73)	1,3,5-trimethylbenzene	0.000		0	N.D.		
74)	4-chlorotoluene	0.000		0	N.D.		
75)	tert-butylbenzene	0.000		0	N.D.		
76)	1,2,4-trimethylbenzene	0.000		0	N.D.		
77)	sec-butylbenzene	0.000		0	N.D.		
78)	1,3-dichlorobenzene	0.000		0	N.D.		
79)	4-isopropyltoluene	0.000		0	N.D.		
80)	1,4-dichlorobenzene	0.000		0	N.D.		
81)	1,2-dichlorobenzene	0.000		0	N.D.		
82)	n-butylbenzene	0.000		0	N.D.		
83)	hexachloroethane	0.000		0	N.D.		
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.		
85)	1,2,4-trichlorobenzene	0.000		0	N.D.		
86)	hexachlorobutadiene	0.000		0	N.D.		
87)	naphthalene	0.000		0	N.D.		
88)	1,2,3-trichlorobenzene	0.000		0	N.D.		
89)	2-methylnaphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001207

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-04A.D
Acq On : 10 Oct 2014 14:46
Operator : DLV
Sample : 1410085-04
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 10 15:06:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-04A.D\data.ms

(13) acetone

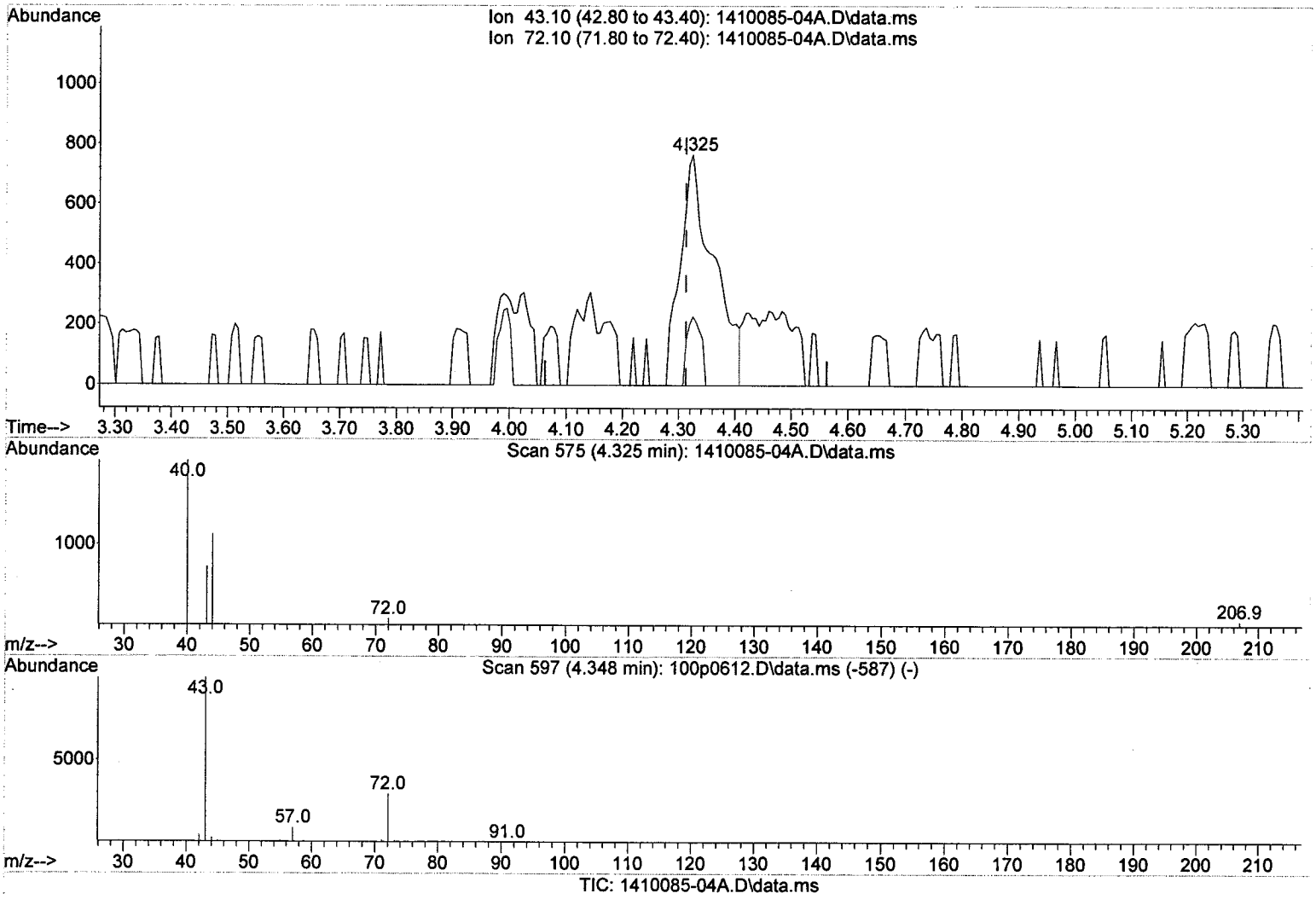
2.231min (+ 0.006) 16.83 ug/L

response 27953

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	35.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-04A.D
Acq On : 10 Oct 2014 14:46
Operator : DLV
Sample : 1410085-04
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 10 15:06:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-04A.D\data.ms

(25) 2-butanone (MEK)

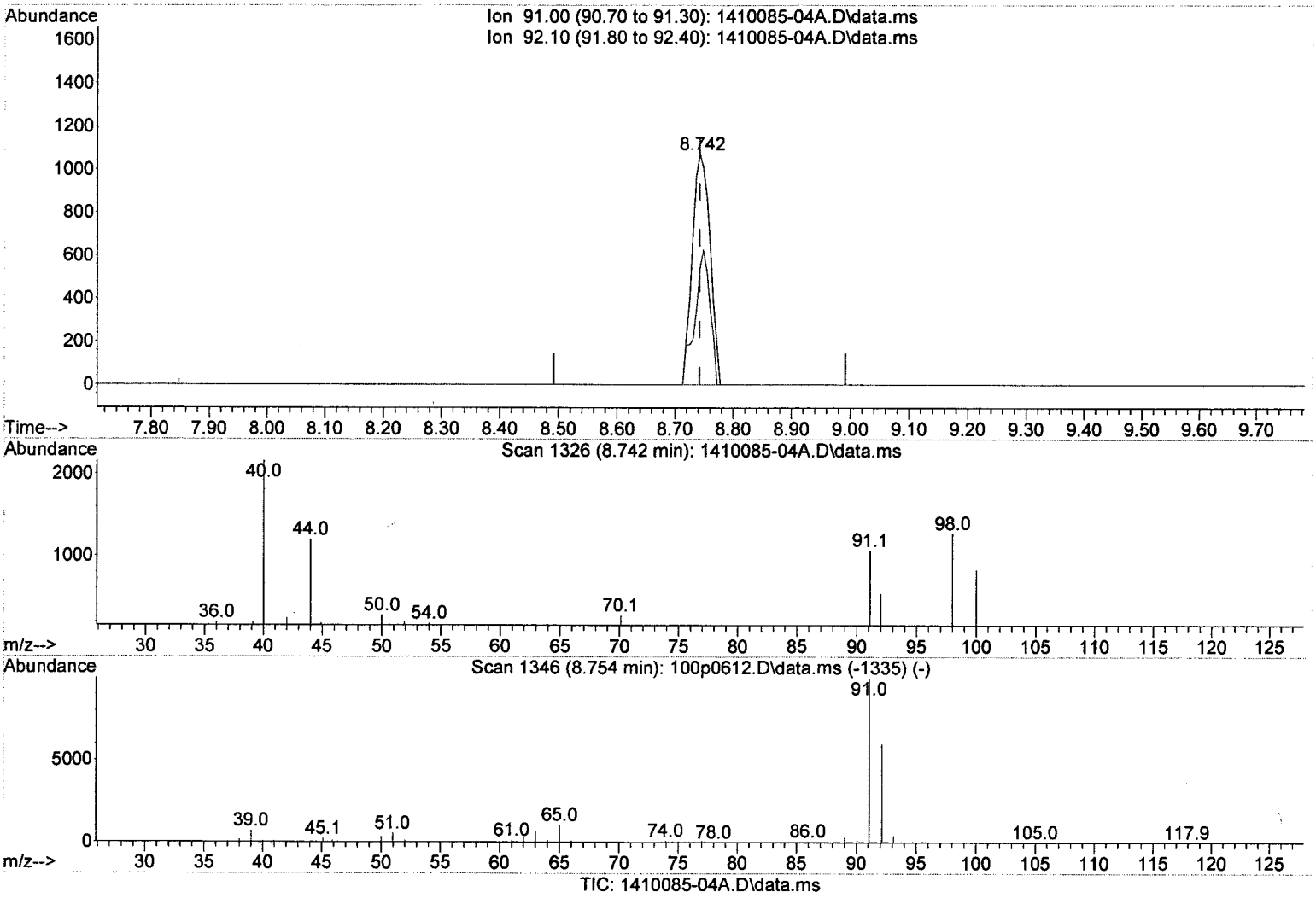
4.325min (+ 0.012) 1.71 ug/L

response 3140

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-04A.D
Acq On : 10 Oct 2014 14:46
Operator : DLV
Sample : 1410085-04
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 10 15:06:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-04A.D\data.ms

(47) toluene (C)

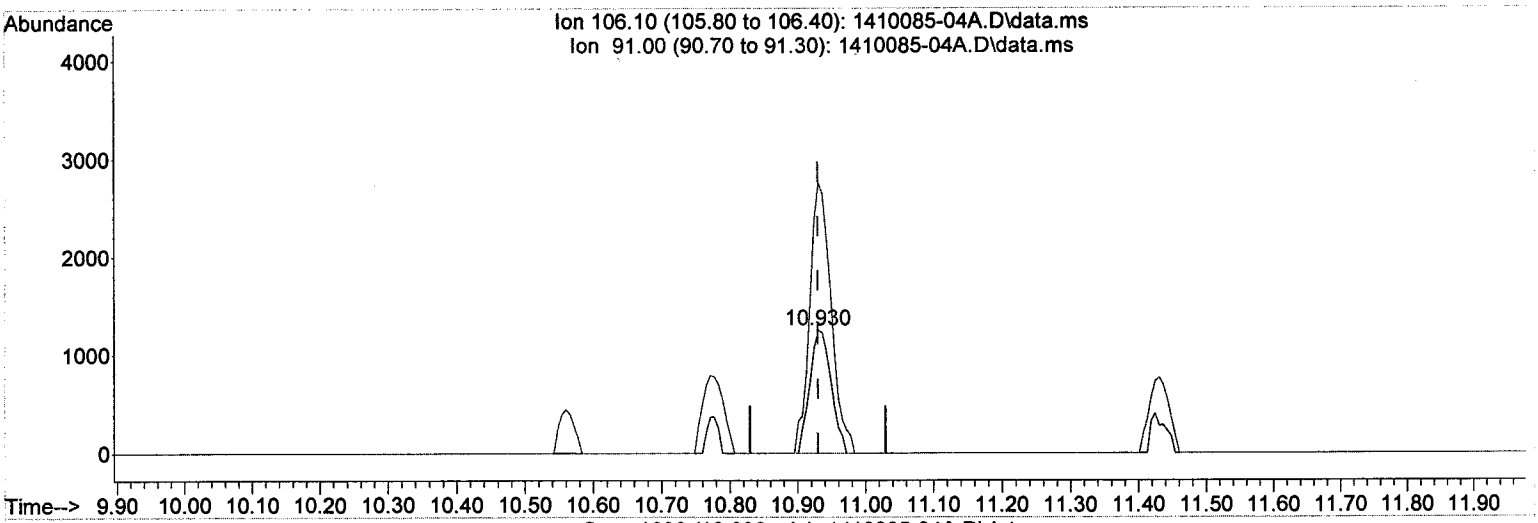
8.742min (+ 0.000) 0.13 ug/L

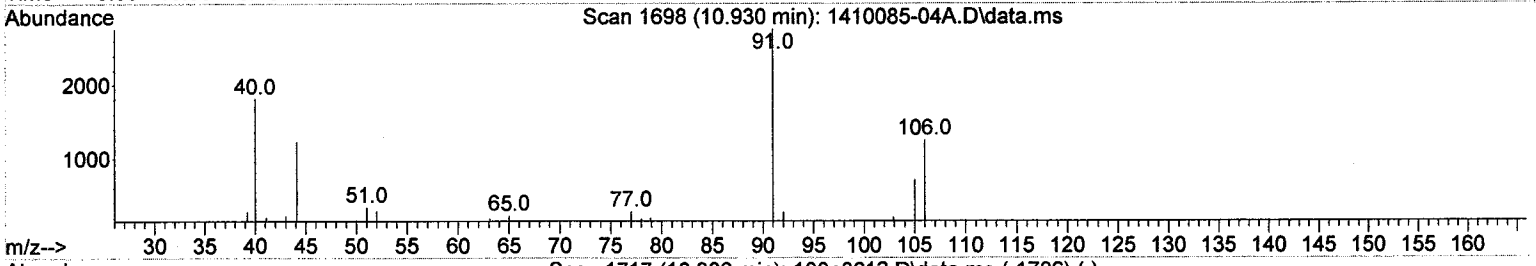
response 2268

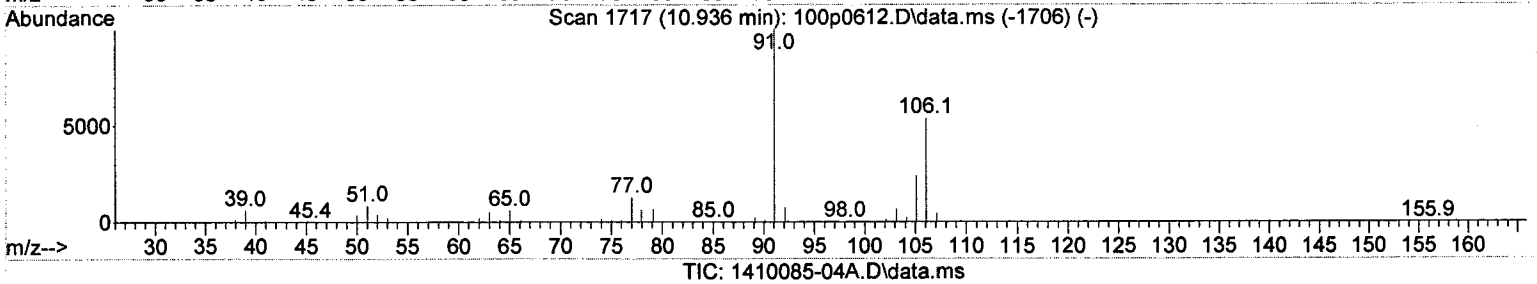
Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-04A.D
Acq On : 10 Oct 2014 14:46
Operator : DLV
Sample : 1410085-04
Misc : AECOM
ALS Vial : 21 Sample Multiplier: 1
Quant Time: Oct 10 15:06:05 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410085-04A.D\data.ms

(60) m+p-xylene

10.930min (+ 0.000) 0.38 ug/L

response 2723

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	221.63
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB36-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-05 File ID: 1410085-05.D

Sampled: 10/01/14 11:10 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 13:39

Solids: 96.66 Preparation: 5035A Low Concentratio Initial/Final: 3.8 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	24	5.7	6.8	6.8	B
71-43-2	Benzene	1	0.68	0.22	0.68	1.4	U
108-86-1	Bromobenzene	1	0.68	0.18	0.68	1.4	U
74-97-5	Bromochloromethane	1	0.68	0.20	0.68	1.4	U
75-27-4	Bromodichloromethane	1	0.68	0.24	0.68	1.4	U
75-25-2	Bromoform	1	0.68	0.49	0.68	1.4	U
74-83-9	Bromomethane	1	0.68	0.45	0.68	1.4	U
104-51-8	n-Butylbenzene	1	0.68	0.35	0.68	1.4	U
135-98-8	sec-Butylbenzene	1	0.68	0.29	0.68	1.4	U
98-06-6	tert-Butylbenzene	1	0.68	0.23	0.68	1.4	U
75-15-0	Carbon Disulfide	1	0.68	0.31	0.68	1.4	U
56-23-5	Carbon Tetrachloride	1	0.68	0.44	0.68	1.4	U
108-90-7	Chlorobenzene	1	0.68	0.20	0.68	1.4	U
75-00-3	Chloroethane	1	1.4	0.68	1.4	1.4	U
67-66-3	Chloroform	1	0.68	0.19	0.68	1.4	U
74-87-3	Chloromethane	1	0.68	0.35	0.68	1.4	U
95-49-8	2-Chlorotoluene	1	0.68	0.40	0.68	1.4	U
106-43-4	4-Chlorotoluene	1	0.27	0.27	0.27	1.4	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.4	0.80	1.4	6.8	U
124-48-1	Dibromochloromethane	1	0.68	0.25	0.68	1.4	U
106-93-4	1,2-Dibromoethane	1	0.68	0.21	0.68	1.4	U
74-95-3	Dibromomethane	1	0.68	0.31	0.68	1.4	U
95-50-1	1,2-Dichlorobenzene	1	0.27	0.13	0.27	1.4	U
541-73-1	1,3-Dichlorobenzene	1	0.27	0.15	0.27	1.4	U
106-46-7	1,4-Dichlorobenzene	1	0.27	0.14	0.27	1.4	U
75-71-8	Dichlorodifluoromethane	1	0.68	0.20	0.68	1.4	U
75-34-3	1,1-Dichloroethane	1	0.68	0.29	0.68	1.4	U
107-06-2	1,2-Dichloroethane	1	0.68	0.31	0.68	1.4	U
75-35-4	1,1-Dichloroethene	1	0.68	0.42	0.68	1.4	U
156-59-2	cis-1,2-Dichloroethene	1	0.68	0.31	0.68	1.4	U
156-60-5	trans-1,2-Dichloroethene	1	0.68	0.37	0.68	1.4	U
78-87-5	1,2-Dichloropropane	1	0.68	0.23	0.68	1.4	U
142-28-9	1,3-Dichloropropane	1	0.68	0.19	0.68	1.4	U
594-20-7	2,2-Dichloropropane	1	0.68	0.31	0.68	1.4	U
563-58-6	1,1-Dichloropropene	1	0.68	0.38	0.68	1.4	U
10061-01-5	cis-1,3-Dichloropropene	1	0.27	0.15	0.27	1.4	U
10061-02-6	trans-1,3-Dichloropropene	1	0.68	0.16	0.68	1.4	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB36-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-05 File ID: 1410085-05.D

Sampled: 10/01/14 11:10 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 13:39

Solids: 96.66 Preparation: 5035A Low Concentratio Initial/Final: 3.8 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.68	0.25	0.68	1.4	U
87-68-3	Hexachlorobutadiene	1	0.68	0.28	0.68	1.4	U
591-78-6	2-Hexanone	1	0.68	0.65	0.68	6.8	U
98-82-8	Isopropylbenzene	1	0.27	0.15	0.27	1.4	U
99-87-6	4-Isopropyltoluene	1	0.68	0.33	0.68	1.4	U
75-09-2	Methylene Chloride	1	1.4	0.64	1.4	6.8	U
78-93-3	2-Butanone (MEK)	1	6.8	1.5	6.8	6.8	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.68	0.53	0.68	6.8	U
91-20-3	Naphthalene	1	0.68	0.22	0.68	6.8	U
103-65-1	n-Propylbenzene	1	0.68	0.16	0.68	1.4	U
100-42-5	Styrene	1	0.27	0.27	0.27	1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.68	0.20	0.68	1.4	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.68	0.20	0.68	1.4	U
127-18-4	Tetrachloroethene	1	0.68	0.23	0.68	1.4	U
108-88-3	Toluene	1	0.27	0.14	0.27	1.4	J
87-61-6	1,2,3-Trichlorobenzene	1	0.68	0.39	0.68	1.4	U
120-82-1	1,2,4-Trichlorobenzene	1	0.68	0.23	0.68	1.4	U
71-55-6	1,1,1-Trichloroethane	1	0.68	0.19	0.68	1.4	U
79-00-5	1,1,2-Trichloroethane	1	0.68	0.29	0.68	1.4	U
79-01-6	Trichloroethene	1	0.68	0.33	0.68	1.4	U
75-69-4	Trichlorofluoromethane	1	0.68	0.23	0.68	1.4	U
96-18-4	1,2,3-Trichloropropane	1	0.68	0.31	0.68	1.4	U
95-63-6	1,2,4-Trimethylbenzene	1	0.68	0.16	0.68	1.4	U
108-67-8	1,3,5-Trimethylbenzene	1	0.68	0.26	0.68	1.4	U
75-01-4	Vinyl Chloride	1	0.68	0.27	0.68	1.4	U
179601-23-1	Xylene, Meta + Para	1	0.75	0.19	0.54	2.7	J
95-47-6	Xylene, Ortho	1	0.27	0.15	0.27	1.4	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.9	105	78 - 119	
1,2-Dichloroethane-d4	40.0	43.6	109	71 - 136	
Toluene-d8	40.0	39.8	100	85 - 116	
4-Bromofluorobenzene	40.0	39.8	100	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	461670	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB36-20

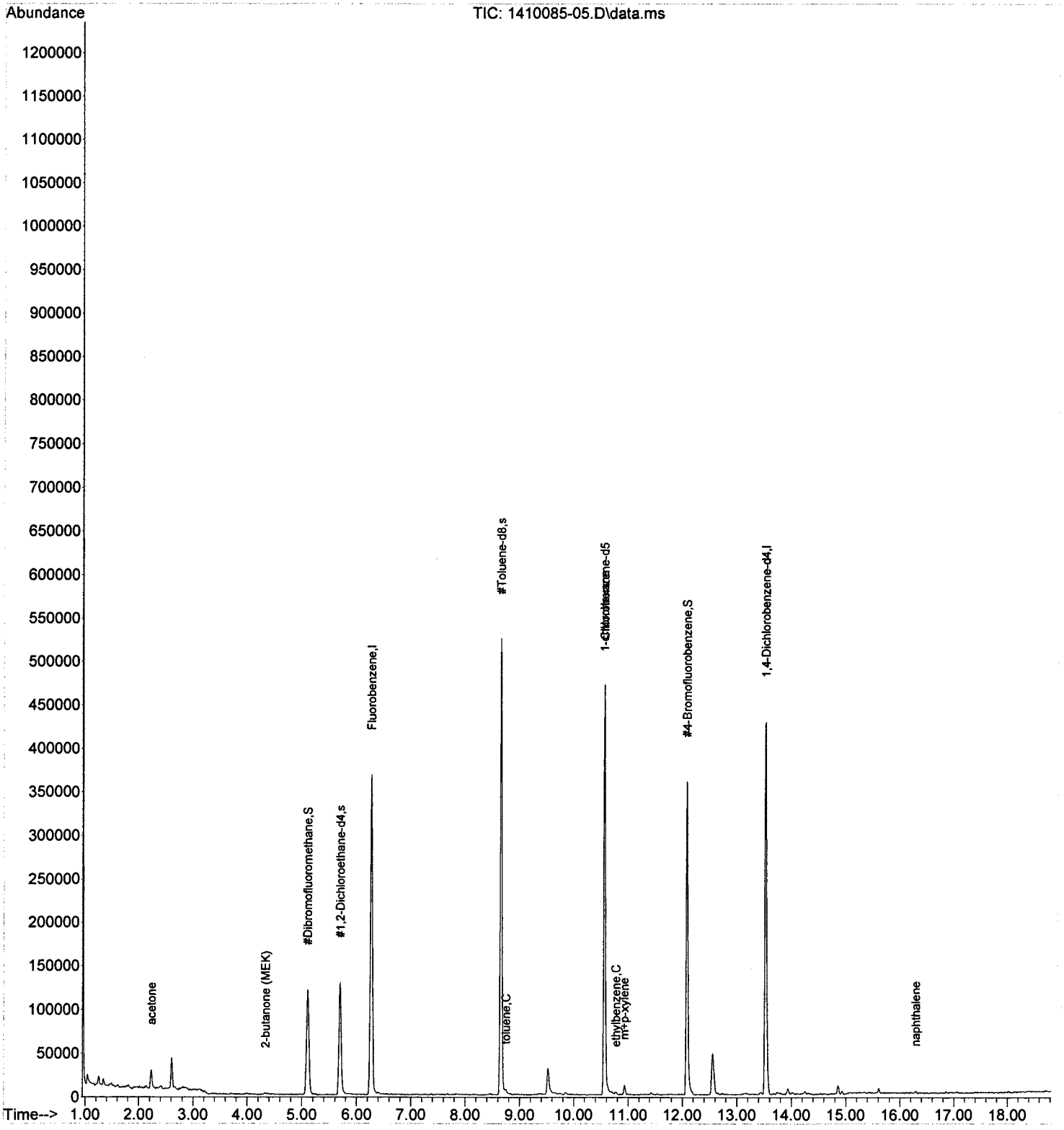
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-05
File ID: 1410085-05.D
Sampled: 10/01/14 11:10
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 13:39
Solids: 96.66
Preparation: 5035A Low Concentratio
Initial/Final: 3.8 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	327654	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	158471	13.531	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-05.D
Acq On : 10 Oct 2014 13:39
Operator : DLV
Sample : 1410085-05
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 10 13:59:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001405

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-05.D
Acq On : 10 Oct 2014 13:39
Operator : DLV
Sample : 1410085-05
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 10 13:59:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	461670	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	327654	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.531	152	158471	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.108	111	119976	41.86	ug/L	0.00
Spiked Amount 40.000			Recovery = 104.65%			
37) #1,2-Dichloroethane-d4	5.696	67	73464	43.65	ug/L	0.00
Spiked Amount 40.000			Recovery = 109.13%			
46) #Toluene-d8	8.654	98	444658	39.83	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.57%			
64) #4-Bromofluorobenzene	12.084	95	161379	39.80	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.50%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	~~N.D.~~		
13) acetone	2.231	43	28380	17.46	ug/L	91
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.608	49	21761	N.D.		
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.337	43	3648	~~2.01~~	ug/L #	48
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-05.D
Acq On : 10 Oct 2014 13:39
Operator : DLV
Sample : 1410085-05
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 10 13:59:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

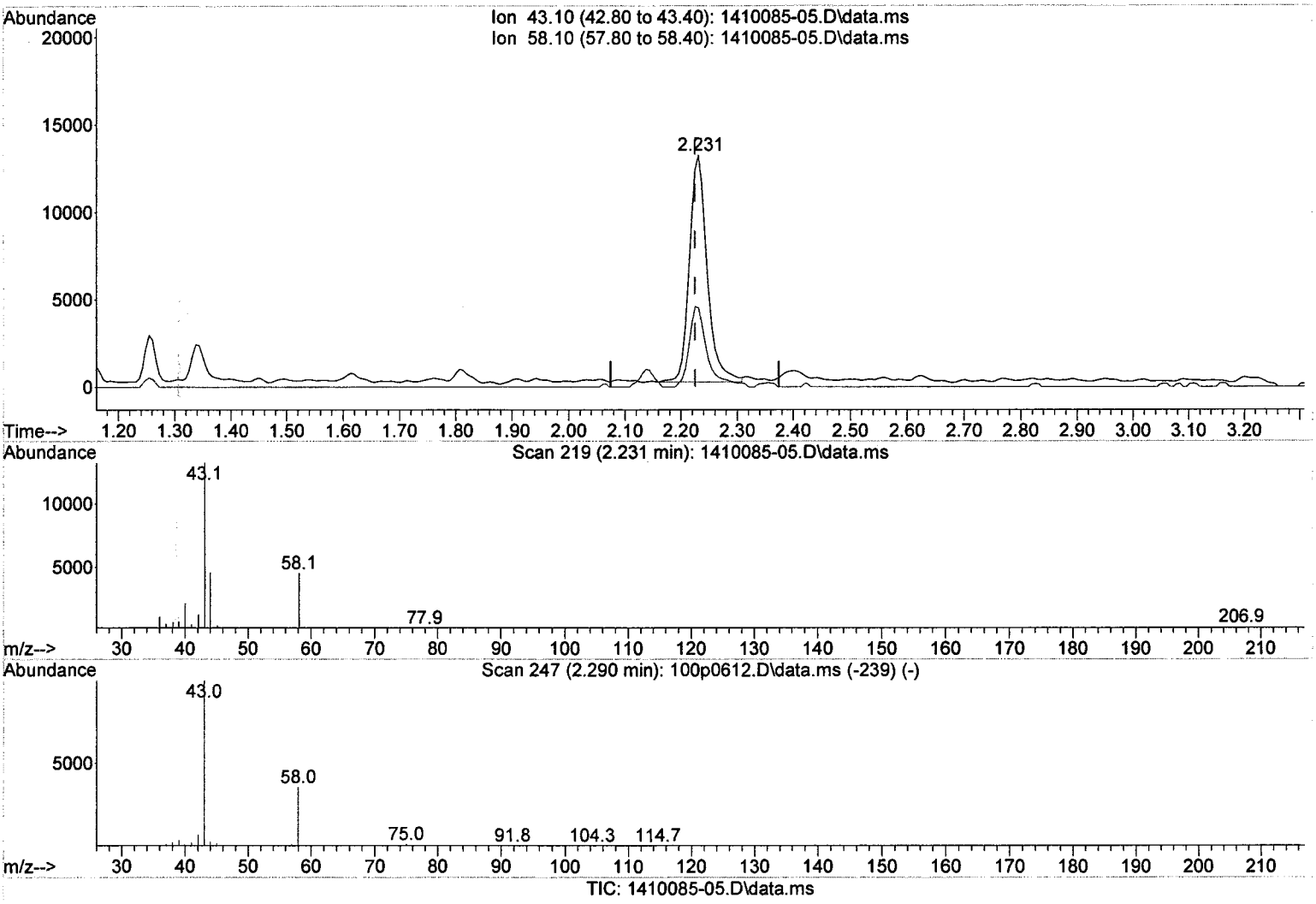
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	0.000		0	N.D.			
40) 1,2-dichloropropane	0.000		0	N.D.			
41) dibromomethane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	0.000		0	N.D.			
45) 4-methyl-2-pentanone (...	0.000		0	N.D.			
47) toluene	8.749	91	3389	0.20	ug/L	#	23
48) trans-1,3-dichloropropene	0.000		0	N.D.			
49) 1,1,2-trichloroethane	0.000		0	N.D.			
51) tetrachloroethene	0.000		0	N.D.			
52) 1,3-dichloropropane	0.000		0	N.D.			
53) 2-hexanone (MBK)	0.000		0	N.D.			
54) dibromochloromethane	0.000		0	N.D.			
55) 1,2-dibromoethane	0.000		0	N.D.			
56) chlorobenzene	0.000		0	N.D.			
57) 1-chlorohexane	10.560	55	2321	0.52	ug/L	#	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59) ethylbenzene	10.772	91	2046	0.10	ug/L	#	45
60) m+p-xylene	10.931	106	3985	0.55	ug/L		97
61) o-xylene	0.000		0	N.D.			
62) styrene	0.000		0	N.D.			
63) bromoform	0.000		0	N.D.			
66) isopropylbenzene	0.000		0	N.D.			
67) bromobenzene	0.000		0	N.D.			
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69) 1,2,3-trichloropropane	0.000		0	N.D.			
70) 1,4-dichloro-2-butene	0.000		0	N.D.			
71) n-propylbenzene	0.000		0	N.D.			
72) 2-chlorotoluene	0.000		0	N.D.			
73) 1,3,5-trimethylbenzene	0.000		0	N.D.			
74) 4-chlorotoluene	0.000		0	N.D.			
75) tert-butylbenzene	0.000		0	N.D.			
76) 1,2,4-trimethylbenzene	0.000		0	N.D.			
77) sec-butylbenzene	0.000		0	N.D.			
78) 1,3-dichlorobenzene	0.000		0	N.D.			
79) 4-isopropyltoluene	0.000		0	N.D.			
80) 1,4-dichlorobenzene	0.000		0	N.D.			
81) 1,2-dichlorobenzene	0.000		0	N.D.			
82) n-butylbenzene	0.000		0	N.D.			
83) hexachloroethane	0.000		0	N.D.			
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85) 1,2,4-trichlorobenzene	0.000		0	N.D.			
86) hexachlorobutadiene	0.000		0	N.D.			
87) naphthalene	16.295	128	1796	2.24	ug/L	#	77
88) 1,2,3-trichlorobenzene	0.000		0	N.D.			
89) 2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001407

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-05.D
Acq On : 10 Oct 2014 13:39
Operator : DLV
Sample : 1410085-05
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 10 13:59:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-05.D\data.ms

(13) acetone

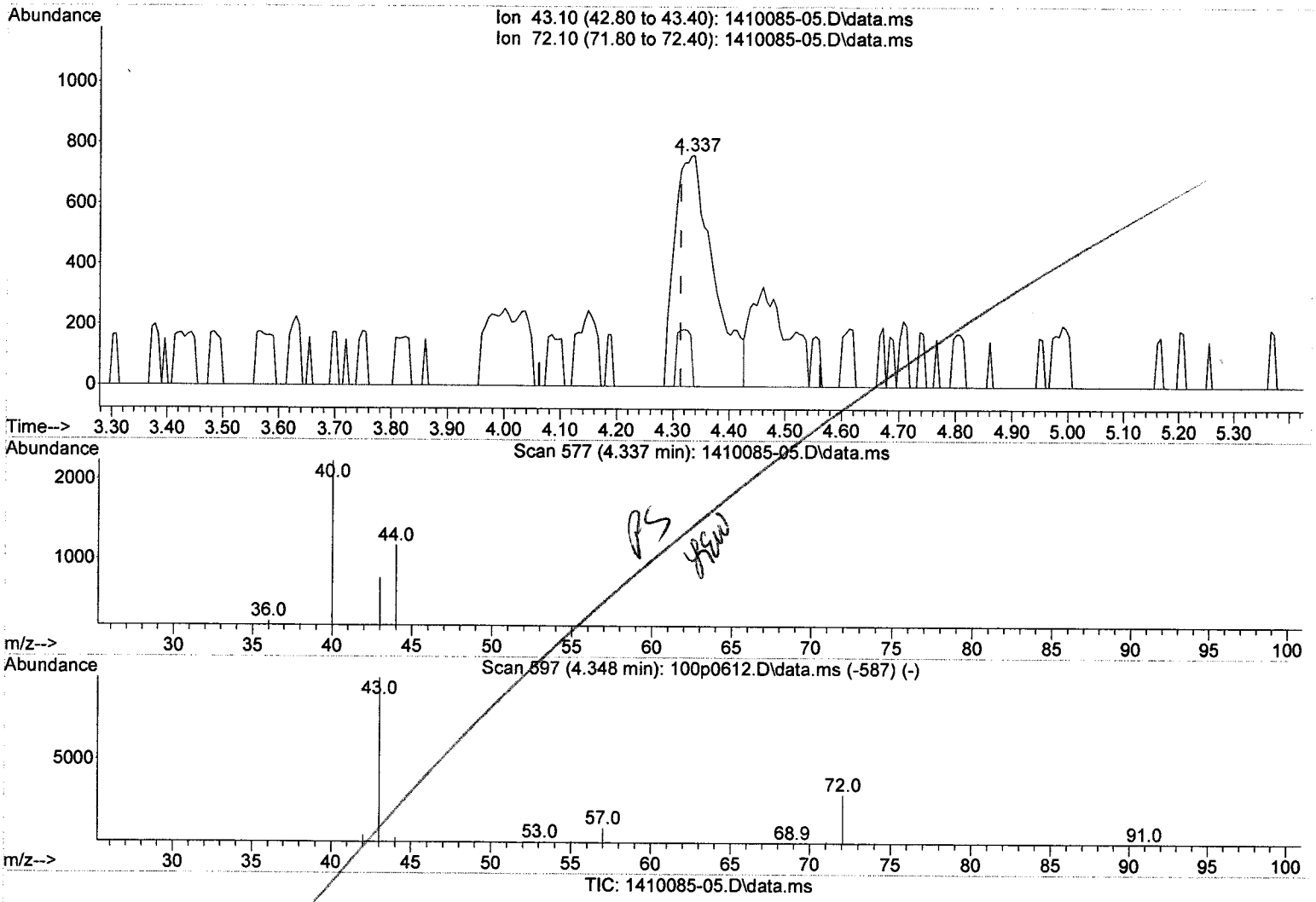
2.231min (+ 0.006) 17.46 ug/L

response 28380

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	36.02
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-05.D
Acq On : 10 Oct 2014 13:39
Operator : DLV
Sample : 1410085-05
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 10 13:59:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-05.D\data.ms

(25) 2-butanone (MEK)

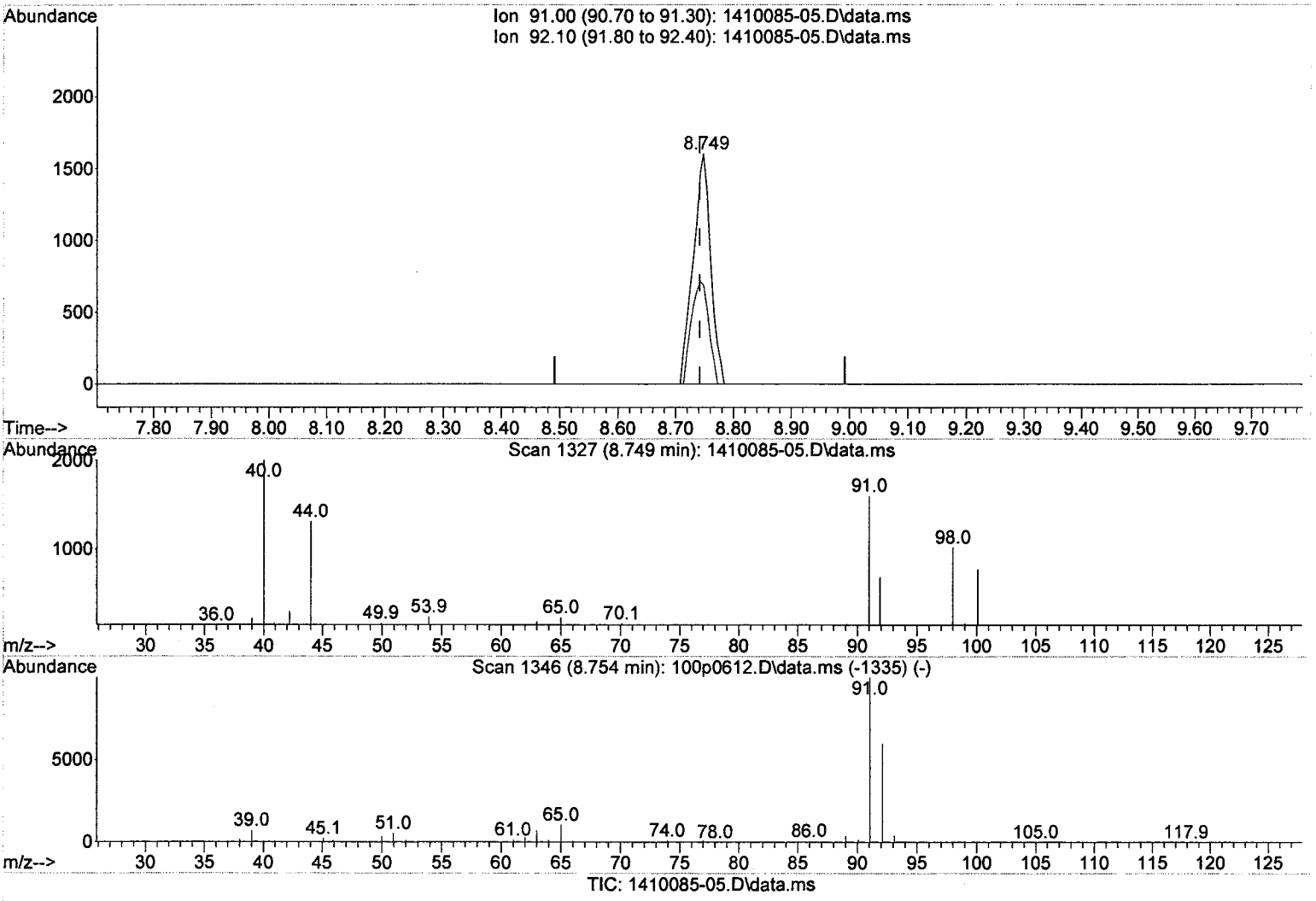
4.337min (+ 0.024) 2.01 ug/L

response 3648

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-05.D
Acq On : 10 Oct 2014 13:39
Operator : DLV
Sample : 1410085-05
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 10 13:59:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-05.D\data.ms

(47) toluene (C)

8.749min (+ 0.007) 0.20 ug/L

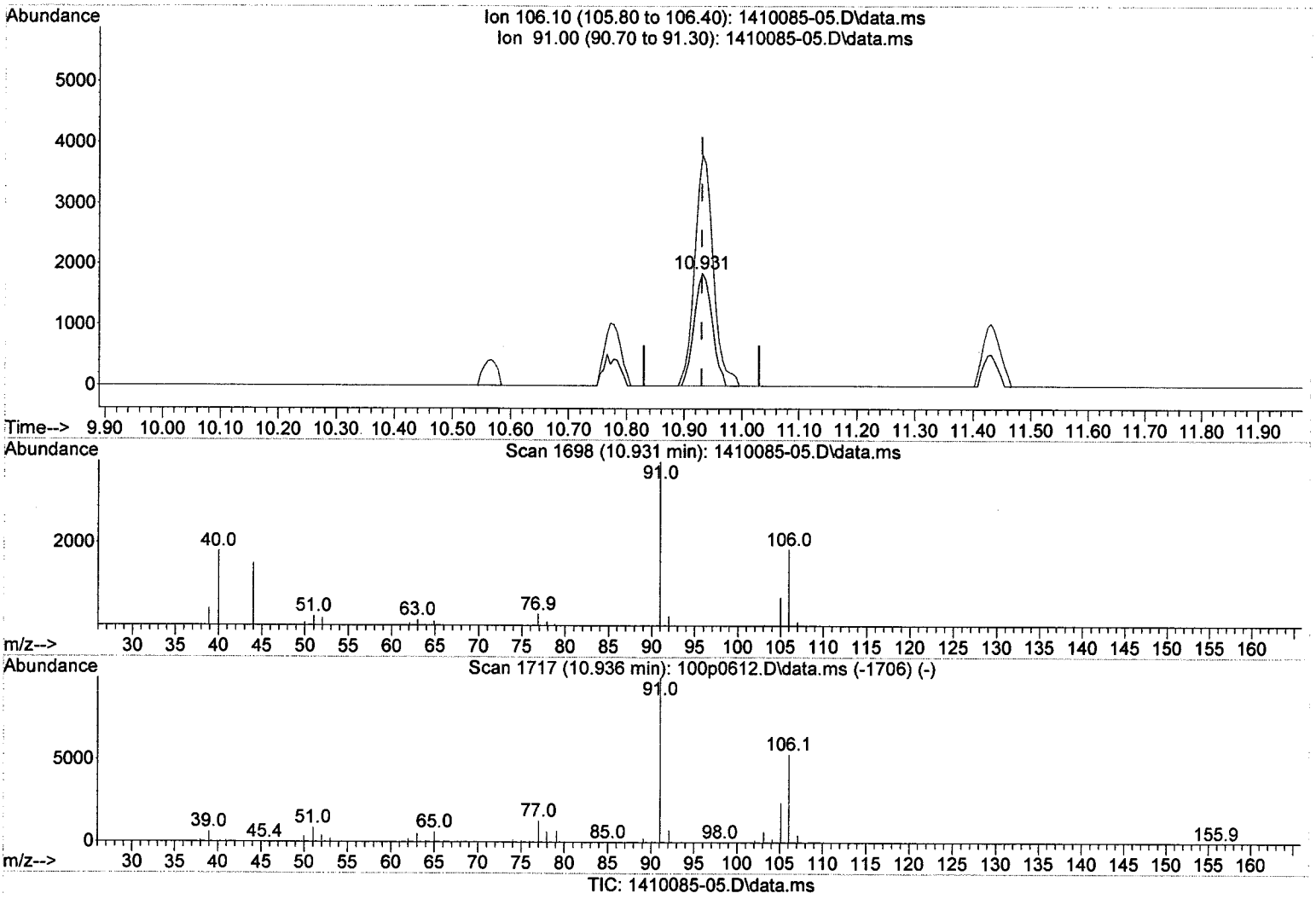
response 3389

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

001410

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-05.D
Acq On : 10 Oct 2014 13:39
Operator : DLV
Sample : 1410085-05
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 10 13:59:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(60) m+p-xylene

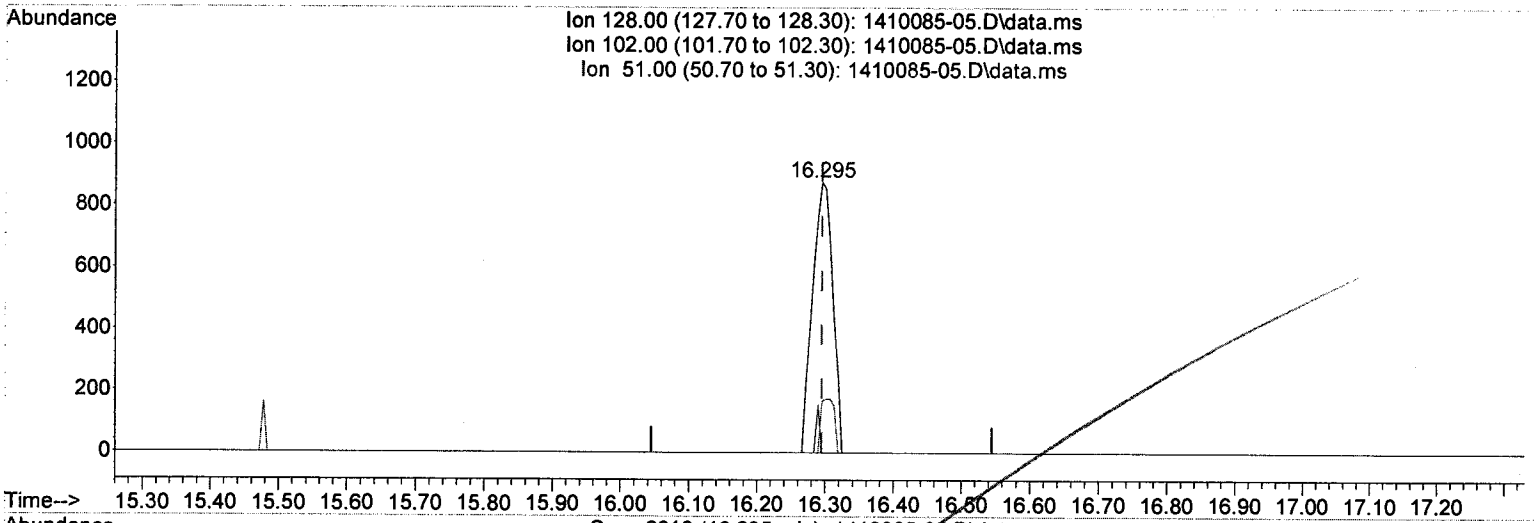
10.931min (+ 0.001) 0.55 ug/L

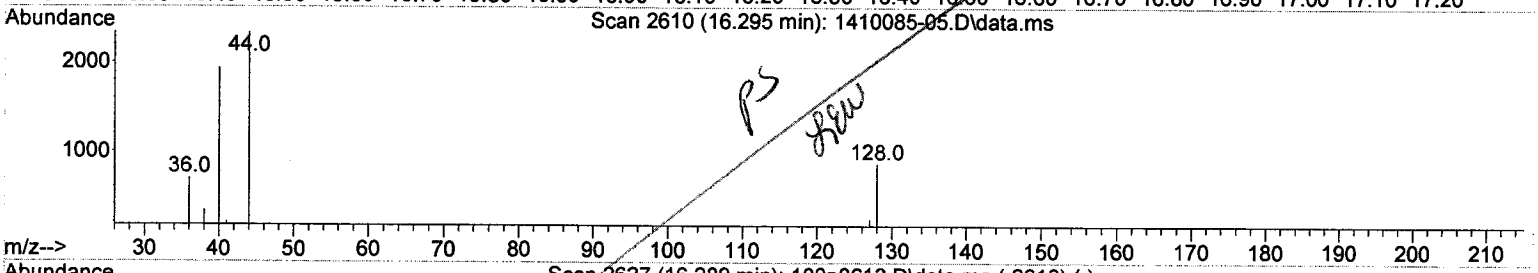
response 3985

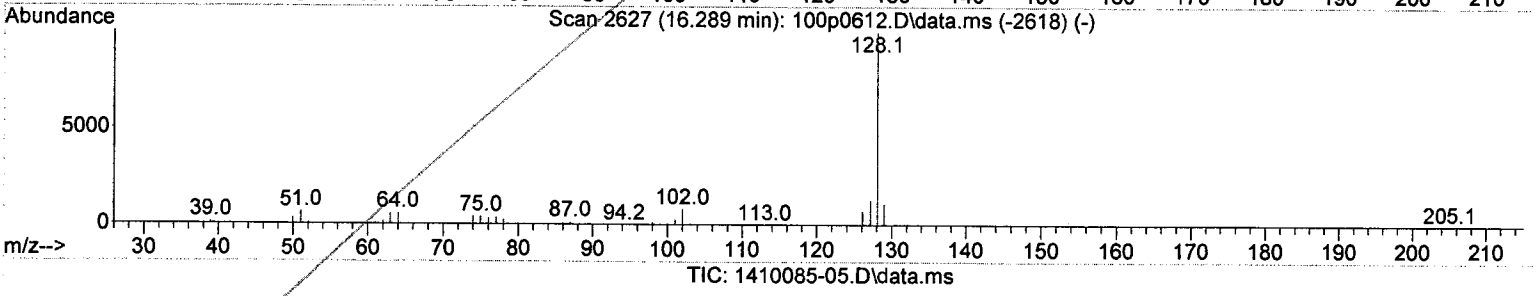
Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	211.84
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-05.D
Acq On : 10 Oct 2014 13:39
Operator : DLV
Sample : 1410085-05
Misc : AECOM
ALS Vial : 18 Sample Multiplier: 1
Quant Time: Oct 10 13:59:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: 1410085-05.D\data.ms

(87) naphthalene

16.295min (+ 0.000) 2.24 ug/L

response 1796

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	0.00
51.00	7.70	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB38-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-06 File ID: 1410085-06.D

Sampled: 10/01/14 11:40 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 14:01

Solids: 97.71 Preparation: 5035A Low Concentratio Initial/Final: 4.2 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	20	5.1	6.1	6.1	B
71-43-2	Benzene	1	0.61	0.19	0.61	1.2	U
108-86-1	Bromobenzene	1	0.61	0.16	0.61	1.2	U
74-97-5	Bromochloromethane	1	0.61	0.18	0.61	1.2	U
75-27-4	Bromodichloromethane	1	0.61	0.21	0.61	1.2	U
75-25-2	Bromoform	1	0.61	0.43	0.61	1.2	U
74-83-9	Bromomethane	1	0.61	0.40	0.61	1.2	U
104-51-8	n-Butylbenzene	1	0.61	0.32	0.61	1.2	U
135-98-8	sec-Butylbenzene	1	0.61	0.26	0.61	1.2	U
98-06-6	tert-Butylbenzene	1	0.61	0.20	0.61	1.2	U
75-15-0	Carbon Disulfide	1	0.61	0.28	0.61	1.2	U
56-23-5	Carbon Tetrachloride	1	0.61	0.40	0.61	1.2	U
108-90-7	Chlorobenzene	1	0.61	0.18	0.61	1.2	U
75-00-3	Chloroethane	1	1.2	0.61	1.2	1.2	U
67-66-3	Chloroform	1	0.61	0.17	0.61	1.2	U
74-87-3	Chloromethane	1	0.61	0.31	0.61	1.2	U
95-49-8	2-Chlorotoluene	1	0.61	0.36	0.61	1.2	U
106-43-4	4-Chlorotoluene	1	0.24	0.24	0.24	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.2	0.72	1.2	6.1	U
124-48-1	Dibromochloromethane	1	0.61	0.23	0.61	1.2	U
106-93-4	1,2-Dibromoethane	1	0.61	0.19	0.61	1.2	U
74-95-3	Dibromomethane	1	0.61	0.27	0.61	1.2	U
95-50-1	1,2-Dichlorobenzene	1	0.24	0.11	0.24	1.2	U
541-73-1	1,3-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
106-46-7	1,4-Dichlorobenzene	1	0.24	0.13	0.24	1.2	U
75-71-8	Dichlorodifluoromethane	1	0.61	0.18	0.61	1.2	U
75-34-3	1,1-Dichloroethane	1	0.61	0.26	0.61	1.2	U
107-06-2	1,2-Dichloroethane	1	0.61	0.28	0.61	1.2	U
75-35-4	1,1-Dichloroethene	1	0.61	0.37	0.61	1.2	U
156-59-2	cis-1,2-Dichloroethene	1	0.61	0.28	0.61	1.2	U
156-60-5	trans-1,2-Dichloroethene	1	0.61	0.33	0.61	1.2	U
78-87-5	1,2-Dichloropropane	1	0.61	0.21	0.61	1.2	U
142-28-9	1,3-Dichloropropane	1	0.61	0.17	0.61	1.2	U
594-20-7	2,2-Dichloropropane	1	0.61	0.28	0.61	1.2	U
563-58-6	1,1-Dichloropropene	1	0.61	0.34	0.61	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1	0.24	0.14	0.24	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1	0.61	0.15	0.61	1.2	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB38-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-06 File ID: 1410085-06.D

Sampled: 10/01/14 11:40 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 14:01

Solids: 97.71 Preparation: 5035A Low Concentratio Initial/Final: 4.2 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.61	0.23	0.61	1.2	U
87-68-3	Hexachlorobutadiene	1	0.61	0.25	0.61	1.2	U
591-78-6	2-Hexanone	1	0.61	0.58	0.61	6.1	U
98-82-8	Isopropylbenzene	1	0.24	0.14	0.24	1.2	U
99-87-6	4-Isopropyltoluene	1	0.61	0.29	0.61	1.2	U
75-09-2	Methylene Chloride	1	1.2	0.57	1.2	6.1	U
78-93-3	2-Butanone (MEK)	1	1.9	1.4	6.1	6.1	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.61	0.47	0.61	6.1	U
91-20-3	Naphthalene	1	0.61	0.20	0.61	6.1	U
103-65-1	n-Propylbenzene	1	0.61	0.14	0.61	1.2	U
100-42-5	Styrene	1	0.24	0.24	0.24	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.61	0.18	0.61	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.61	0.18	0.61	1.2	U
127-18-4	Tetrachloroethene	1	0.61	0.21	0.61	1.2	U
108-88-3	Toluene	1	0.18	0.12	0.24	1.2	J
87-61-6	1,2,3-Trichlorobenzene	1	0.61	0.35	0.61	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1	0.61	0.21	0.61	1.2	U
71-55-6	1,1,1-Trichloroethane	1	0.61	0.17	0.61	1.2	U
79-00-5	1,1,2-Trichloroethane	1	0.61	0.26	0.61	1.2	U
79-01-6	Trichloroethene	1	0.61	0.29	0.61	1.2	U
75-69-4	Trichlorofluoromethane	1	0.61	0.21	0.61	1.2	U
96-18-4	1,2,3-Trichloropropane	1	0.61	0.28	0.61	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1	0.61	0.14	0.61	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1	0.61	0.24	0.61	1.2	U
75-01-4	Vinyl Chloride	1	0.61	0.24	0.61	1.2	U
179601-23-1	Xylene, Meta + Para	1	0.48	0.17	0.49	2.4	J
95-47-6	Xylene, Ortho	1	0.24	0.14	0.24	1.2	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	41.9	105	78 - 119	
1,2-Dichloroethane-d4	40.0	43.2	108	71 - 136	
Toluene-d8	40.0	39.4	99	85 - 116	
4-Bromofluorobenzene	40.0	39.5	99	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	449450	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU17SB38-15

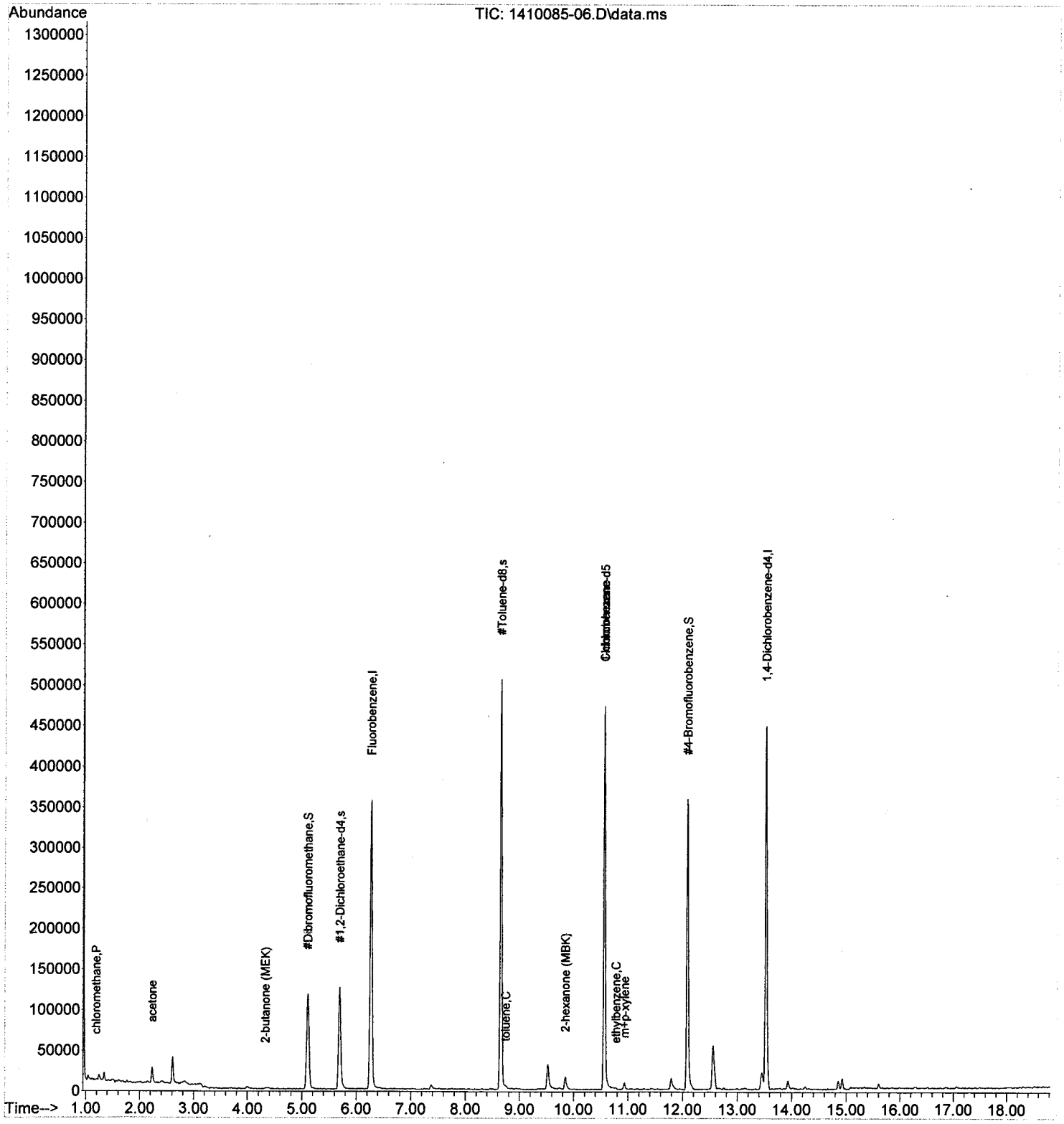
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-06
File ID: 1410085-06.D
Sampled: 10/01/14 11:40
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 14:01
Solids: 97.71
Preparation: 5035A Low Concentratio
Initial/Final: 4.2 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	328383	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	158785	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-06.D
Acq On : 10 Oct 2014 14:01
Operator : DLV
Sample : 1410085-06
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 10 14:21:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001416

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-06.D
Acq On : 10 Oct 2014 14:01
Operator : DLV
Sample : 1410085-06
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 10 14:21:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	449450	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	328383	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	158785	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	117018	41.94	ug/L		0.00
Spiked Amount 40.000			Recovery =	104.85%			
37) #1,2-Dichloroethane-d4	5.695	67	70863	43.25	ug/L		0.00
Spiked Amount 40.000			Recovery =	108.13%			
46) #Toluene-d8	8.654	98	428766	39.45	ug/L		0.00
Spiked Amount 40.000			Recovery =	98.63%			
64) #4-Bromofluorobenzene	12.083	95	160605	39.52	ug/L		0.00
Spiked Amount 40.000			Recovery =	98.80%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	1.190	50	1820	0.32	ug/L	#	42
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	26188	16.22	ug/L		93
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	19563	Below Cal			96
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.325	43	2693	1.53	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

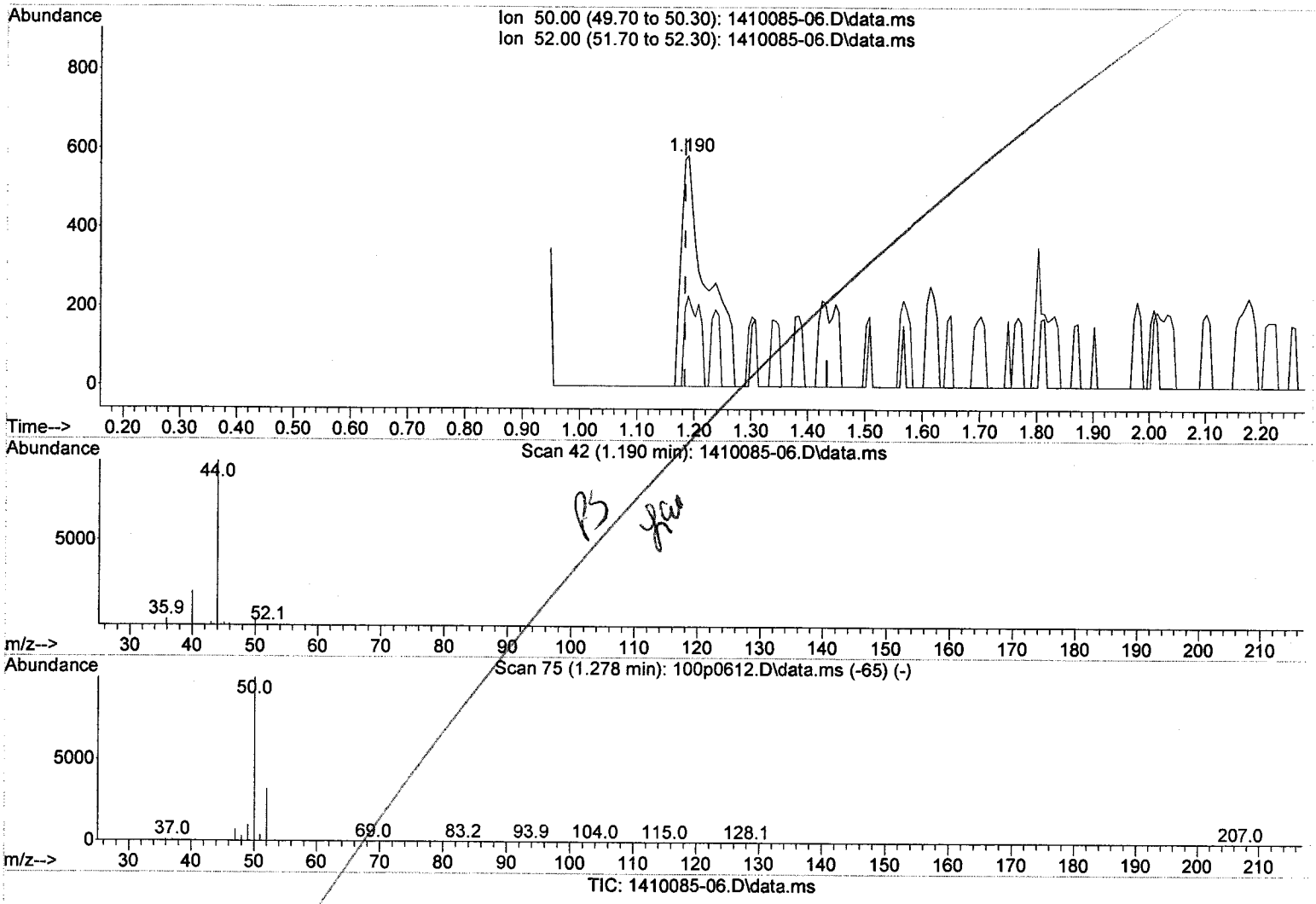
InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-06.D
Acq On : 10 Oct 2014 14:01
Operator : DLV
Sample : 1410085-06
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 10 14:21:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	0.000		0	N.D.			
47)	toluene	8.742	91	2537	0.15	ug/L	#	23
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	9.848	43	4665	1.78	ug/L	#	7
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.566	55	2549	0.57	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.777	91	1637	0.08	ug/L	#	45
60)	m+p-xylene	10.936	106	2818	0.39	ug/L		94
61)	o-xylene	0.000		0	N.D.			
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	0.000		0	N.D.			
77)	sec-butylbenzene	0.000		0	N.D.			
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-06.D
Acq On : 10 Oct 2014 14:01
Operator : DLV
Sample : 1410085-06
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 10 14:21:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-06.D\data.ms

(3) chloromethane (P)

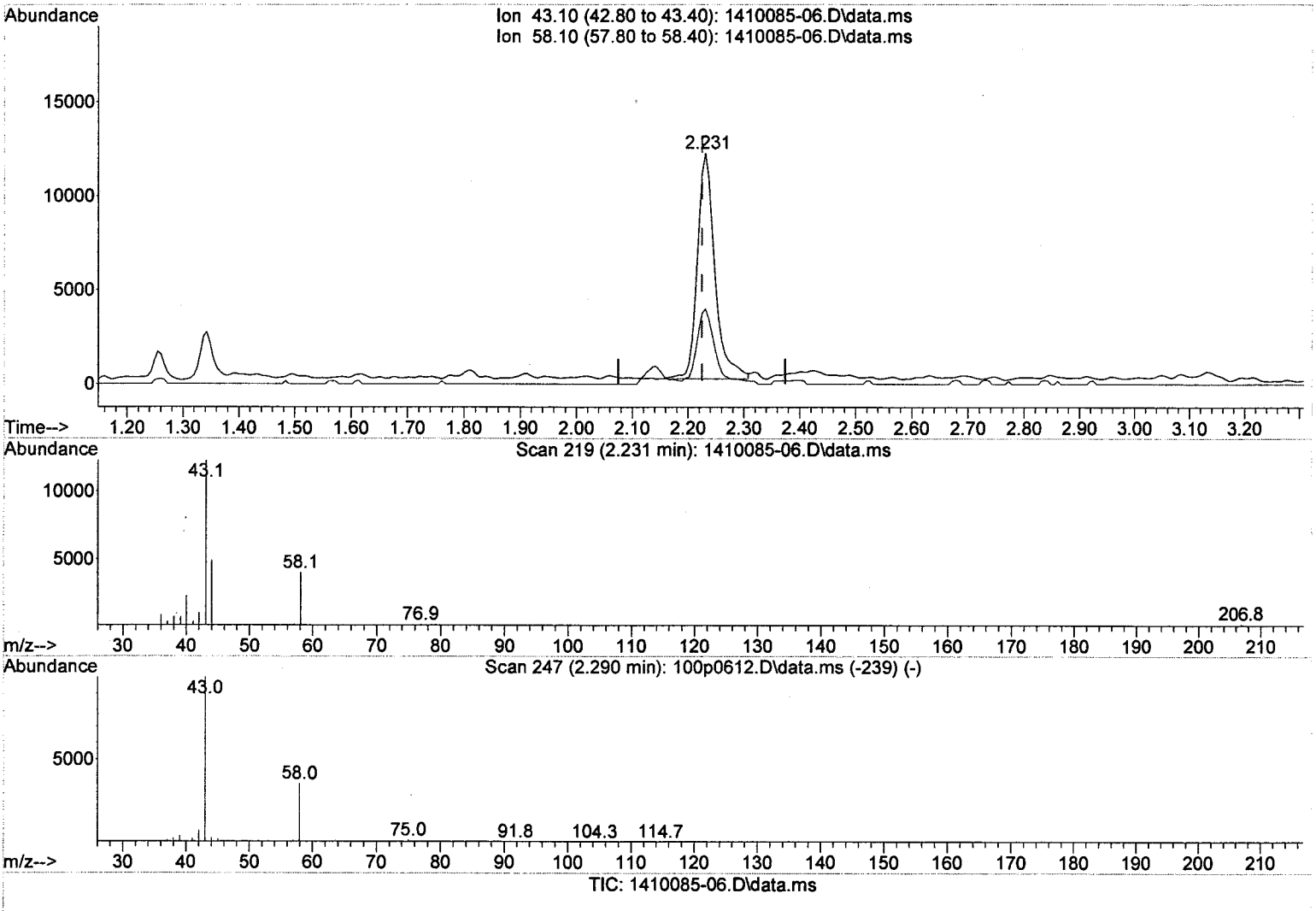
1.190min (+ 0.006) 0.32 ug/L

response 1820

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-06.D
Acq On : 10 Oct 2014 14:01
Operator : DLV
Sample : 1410085-06
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 10 14:21:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-06.D\data.ms

(13) acetone

2.231min (+ 0.006) 16.22 ug/L

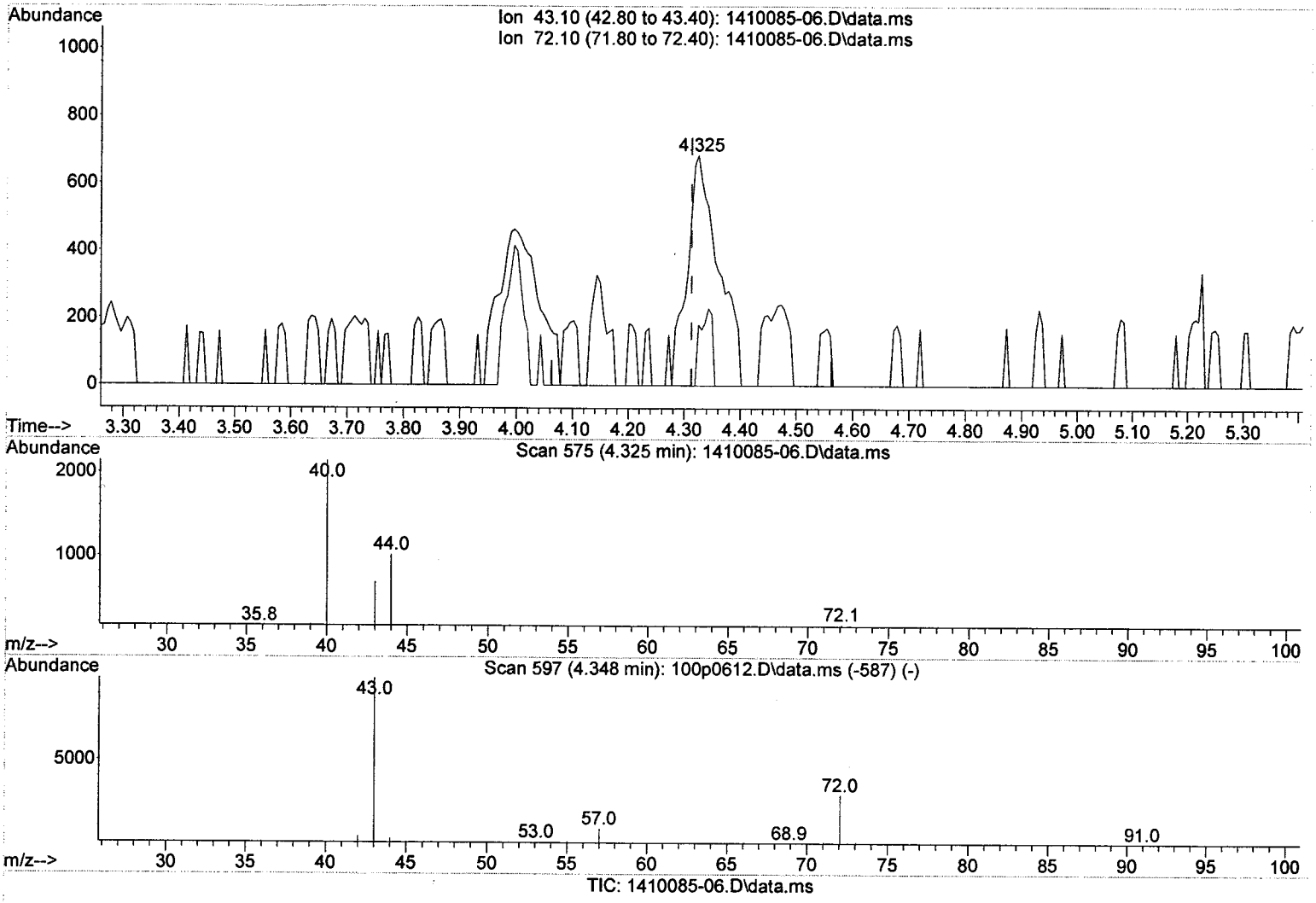
response 26188

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	35.07
0.00	0.00	0.00
0.00	0.00	0.00

001420

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-06.D
Acq On : 10 Oct 2014 14:01
Operator : DLV
Sample : 1410085-06
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 10 14:21:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-06.D\data.ms

(25) 2-butanone (MEK)

4.325min (+ 0.012) 1.53 ug/L

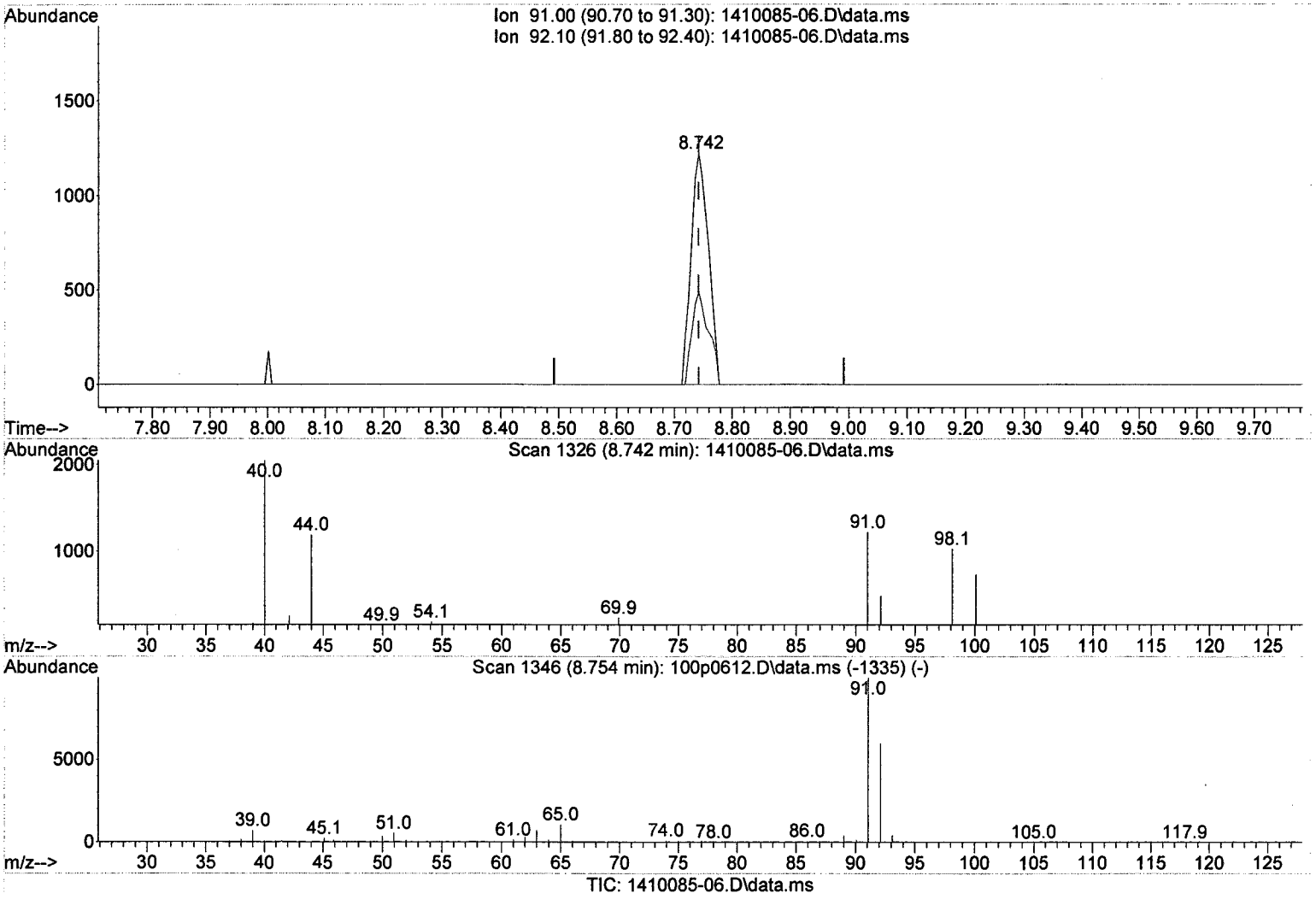
response 2693

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

001421

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-06.D
Acq On : 10 Oct 2014 14:01
Operator : DLV
Sample : 1410085-06
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 10 14:21:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-06.D\data.ms

(47) toluene (C)

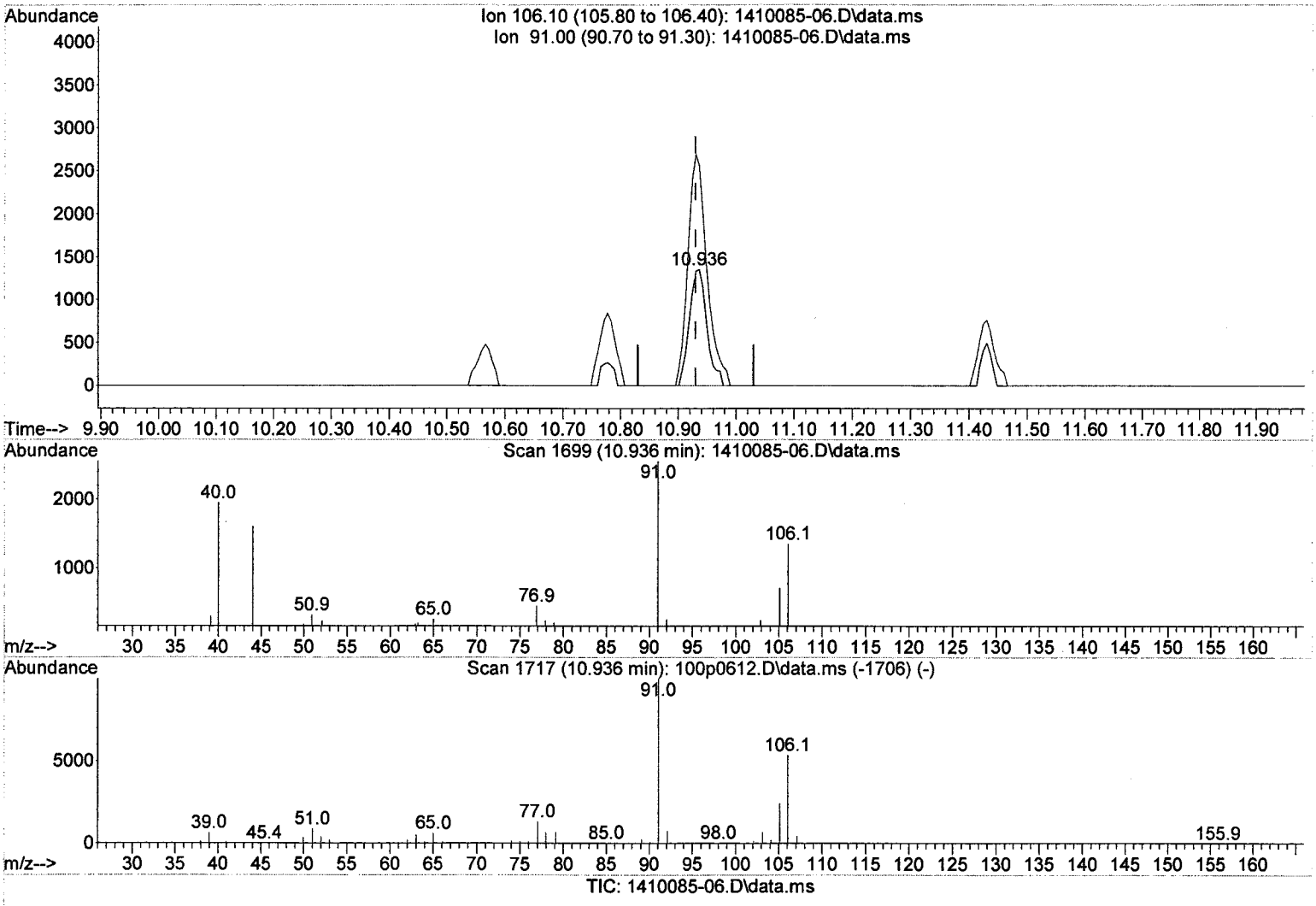
8.742min (+ 0.000) 0.15 ug/L

response 2537

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-06.D
Acq On : 10 Oct 2014 14:01
Operator : DLV
Sample : 1410085-06
Misc : AECOM
ALS Vial : 19 Sample Multiplier: 1
Quant Time: Oct 10 14:21:45 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-06.D\data.ms

(60) m+p-xylene

10.936min (+ 0.006) 0.39 ug/L

response 2818

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	216.50
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB100114JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410085-07 File ID: 1410085-07.D

Sampled: 10/01/14 10:00 Prepared: 10/13/14 19:00 Analyzed: 10/13/14 21:47

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1411272 Sequence: 4J14046 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	5.0	1.6	5.0	5.0	U
71-43-2	Benzene	1	0.20	0.20	0.20	1.0	U
108-86-1	Bromobenzene	1	0.50	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	1	0.50	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	1	0.50	0.13	0.50	1.0	U
75-25-2	Bromoform	1	0.50	0.18	0.50	1.0	U
74-83-9	Bromomethane	1	0.50	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	1	0.20	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	1	0.50	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	1	0.20	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	1	0.50	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	1	0.20	0.20	0.20	1.0	U
75-00-3	Chloroethane	1	1.0	0.23	1.0	1.0	U
67-66-3	Chloroform	1	0.50	0.14	0.50	1.0	U
74-87-3	Chloromethane	1	1.0	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	1	0.50	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	1	0.20	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	1	0.20	0.11	0.20	1.0	U
74-95-3	Dibromomethane	1	0.50	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	1	0.20	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	1	0.20	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.50	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	1	0.50	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	1	0.50	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	1	0.50	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	0.50	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	1	0.50	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	1	0.20	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	1	0.50	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	1	0.20	0.11	0.20	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	0.50	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	0.20	0.20	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB100114JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410085-07 File ID: 1410085-07.D

Sampled: 10/01/14 10:00 Prepared: 10/13/14 19:00 Analyzed: 10/13/14 21:47

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1411272 Sequence: 4J14046 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.20	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1	1.0	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1	1.0	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	1	0.50	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	1	0.50	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	1	0.10	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1	1.0	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1	1.0	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	1.0	0.41	1.0	5.0	U
91-20-3	Naphthalene	1	0.50	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	1	0.50	0.16	0.50	1.0	U
100-42-5	Styrene	1	0.20	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	1	0.50	0.13	0.50	1.0	U
108-88-3	Toluene	1	0.20	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	1	0.20	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	1	0.50	0.11	0.50	1.0	U
79-01-6	Trichloroethene	1	0.20	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	1	0.50	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	1	0.50	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	1	0.50	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	1	0.40	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	1	0.50	0.12	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	39.0	98	80 - 119	
1,2-Dichloroethane-d4	40.0	39.2	98	81 - 118	
Toluene-d8	40.0	39.5	99	89 - 112	
4-Bromofluorobenzene	40.0	37.3	93	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

FQC-TB100114JC-001

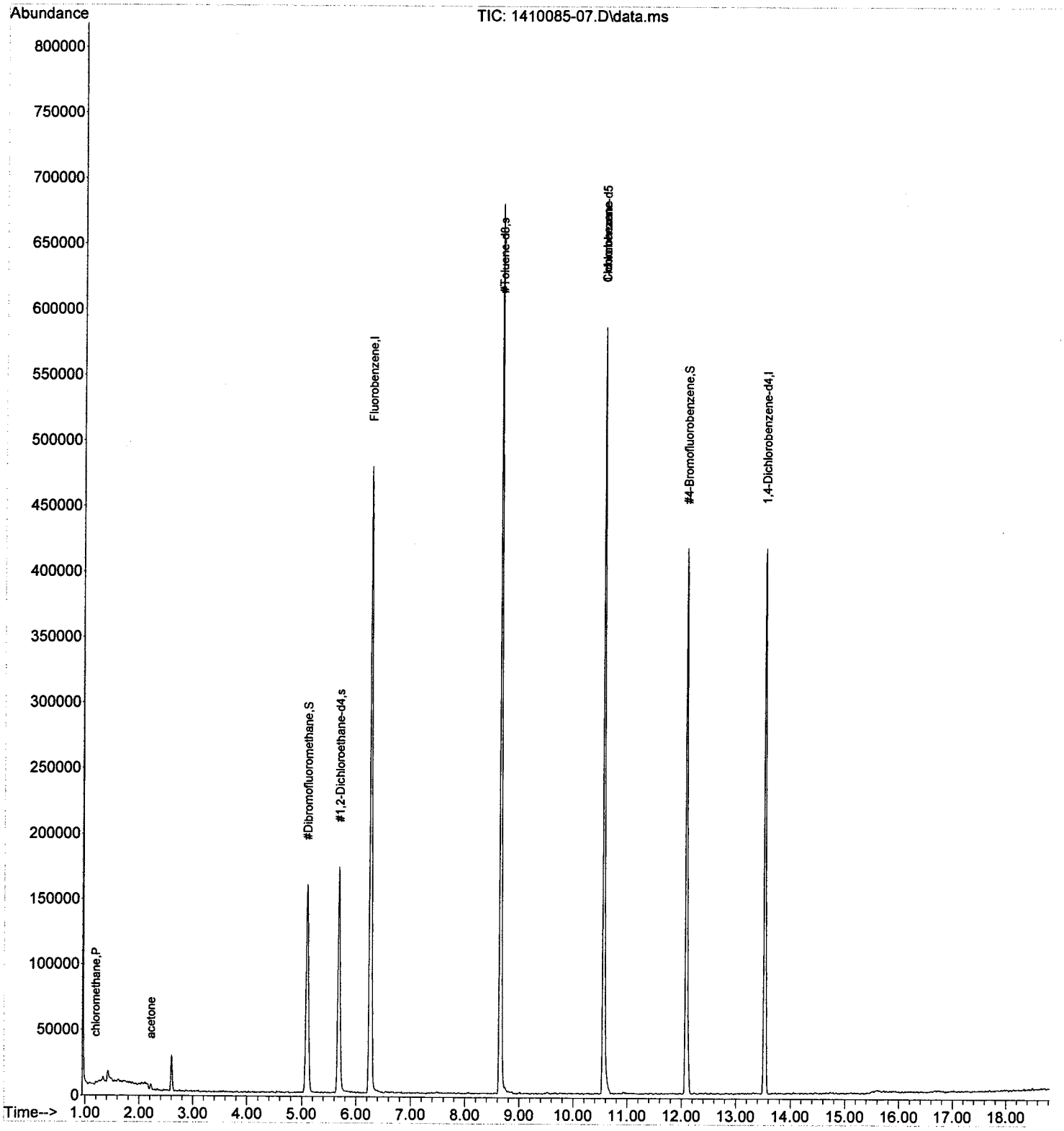
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410085-07
File ID: 1410085-07.D
Sampled: 10/01/14 10:00
Prepared: 10/13/14 19:00
Analyzed: 10/13/14 21:47
Solids:
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1411272
Sequence: 4J14046
Calibration: 4J02011
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	607517	6.266	523953	6.266	
Chlorobenzene-d5	421700	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	152436	13.53	177762	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : 1410085-07.D
Acq On : 13 Oct 2014 21:47
Operator : DLV
Sample : 1410085-07
Misc : AECOM
ALS Vial : 34 Sample Multiplier: 1
Quant Time: Oct 14 07:14:18 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



001427

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : 1410085-07.D
Acq On : 13 Oct 2014 21:47
Operator : DLV
Sample : 1410085-07
Misc : AECOM
ALS Vial : 34 Sample Multiplier: 1
Quant Time: Oct 14 07:14:18 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	607517	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	421700	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	152436	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.096	111	156980	39.04	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.60%			
37) #1,2-Dichloroethane-d4	5.684	67	97954	39.24	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.10%			
46) #Toluene-d8	8.654	98	585305	39.53	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.83%			
64) #4-Bromofluorobenzene	12.083	95	195826	37.27	ug/L	0.00
Spiked Amount 40.000			Recovery = 93.18%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	1.190	50	1355	0.20	ug/L #	41
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.213	43	4186	0.86	ug/L	93
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.602	49	15117	Below Cal		95
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.260	57	21957	No Calib	#	
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : 1410085-07.D
Acq On : 13 Oct 2014 21:47
Operator : DLV
Sample : 1410085-07
Misc : AECOM
ALS Vial : 34 Sample Multiplier: 1
Quant Time: Oct 14 07:14:18 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2750	0.65 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU017SB34-37DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-08 File ID: 1410085-08.D

Sampled: 10/01/14 09:36 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 14:24

Solids: 96.83 Preparation: 5035A Low Concentratio Initial/Final: 4.6 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	33	4.7	5.6	5.6	B
71-43-2	Benzene	1	0.56	0.18	0.56	1.1	U
108-86-1	Bromobenzene	1	0.56	0.15	0.56	1.1	U
74-97-5	Bromochloromethane	1	0.56	0.16	0.56	1.1	U
75-27-4	Bromodichloromethane	1	0.56	0.20	0.56	1.1	U
75-25-2	Bromoform	1	0.56	0.40	0.56	1.1	U
74-83-9	Bromomethane	1	0.56	0.37	0.56	1.1	U
104-51-8	n-Butylbenzene	1	0.56	0.29	0.56	1.1	U
135-98-8	sec-Butylbenzene	1	0.56	0.24	0.56	1.1	U
98-06-6	tert-Butylbenzene	1	0.56	0.19	0.56	1.1	U
75-15-0	Carbon Disulfide	1	0.45	0.26	0.56	1.1	J
56-23-5	Carbon Tetrachloride	1	0.56	0.37	0.56	1.1	U
108-90-7	Chlorobenzene	1	0.56	0.17	0.56	1.1	U
75-00-3	Chloroethane	1	1.1	0.56	1.1	1.1	U
67-66-3	Chloroform	1	0.56	0.16	0.56	1.1	U
74-87-3	Chloromethane	1	0.56	0.29	0.56	1.1	U
95-49-8	2-Chlorotoluene	1	0.56	0.33	0.56	1.1	U
106-43-4	4-Chlorotoluene	1	0.22	0.22	0.22	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.1	0.66	1.1	5.6	U
124-48-1	Dibromochloromethane	1	0.56	0.21	0.56	1.1	U
106-93-4	1,2-Dibromoethane	1	0.56	0.17	0.56	1.1	U
74-95-3	Dibromomethane	1	0.56	0.25	0.56	1.1	U
95-50-1	1,2-Dichlorobenzene	1	0.22	0.10	0.22	1.1	U
541-73-1	1,3-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
106-46-7	1,4-Dichlorobenzene	1	0.22	0.12	0.22	1.1	U
75-71-8	Dichlorodifluoromethane	1	0.56	0.16	0.56	1.1	U
75-34-3	1,1-Dichloroethane	1	0.56	0.24	0.56	1.1	U
107-06-2	1,2-Dichloroethane	1	0.56	0.25	0.56	1.1	U
75-35-4	1,1-Dichloroethene	1	0.56	0.34	0.56	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	0.56	0.25	0.56	1.1	U
156-60-5	trans-1,2-Dichloroethene	1	0.56	0.30	0.56	1.1	U
78-87-5	1,2-Dichloropropane	1	0.56	0.19	0.56	1.1	U
142-28-9	1,3-Dichloropropane	1	0.56	0.16	0.56	1.1	U
594-20-7	2,2-Dichloropropane	1	0.56	0.26	0.56	1.1	U
563-58-6	1,1-Dichloropropene	1	0.56	0.31	0.56	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1	0.22	0.13	0.22	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1	0.56	0.14	0.56	1.1	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU017SB34-37DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-08 File ID: 1410085-08.D

Sampled: 10/01/14 09:36 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 14:24

Solids: 96.83 Preparation: 5035A Low Concentratio Initial/Final: 4.6 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.56	0.21	0.56	1.1	U
87-68-3	Hexachlorobutadiene	1	0.56	0.23	0.56	1.1	U
591-78-6	2-Hexanone	1	0.56	0.54	0.56	5.6	U
98-82-8	Isopropylbenzene	1	0.22	0.13	0.22	1.1	U
99-87-6	4-Isopropyltoluene	1	0.56	0.27	0.56	1.1	U
75-09-2	Methylene Chloride	1	1.1	0.53	1.1	5.6	U
78-93-3	2-Butanone (MEK)	1	2.8	1.2	5.6	5.6	J
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.56	0.43	0.56	5.6	U
91-20-3	Naphthalene	1	3.0	0.18	0.56	5.6	J
103-65-1	n-Propylbenzene	1	0.56	0.13	0.56	1.1	U
100-42-5	Styrene	1	0.22	0.22	0.22	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.56	0.17	0.56	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.56	0.16	0.56	1.1	U
127-18-4	Tetrachloroethene	1	0.56	0.19	0.56	1.1	U
108-88-3	Toluene	1	0.20	0.11	0.22	1.1	J
87-61-6	1,2,3-Trichlorobenzene	1	0.56	0.32	0.56	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1	0.56	0.19	0.56	1.1	U
71-55-6	1,1,1-Trichloroethane	1	0.56	0.16	0.56	1.1	U
79-00-5	1,1,2-Trichloroethane	1	0.56	0.24	0.56	1.1	U
79-01-6	Trichloroethene	1	0.56	0.27	0.56	1.1	U
75-69-4	Trichlorofluoromethane	1	0.56	0.19	0.56	1.1	U
96-18-4	1,2,3-Trichloropropane	1	0.56	0.26	0.56	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1	0.56	0.13	0.56	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1	0.56	0.22	0.56	1.1	U
75-01-4	Vinyl Chloride	1	0.56	0.22	0.56	1.1	U
179601-23-1	Xylene, Meta + Para	1	0.64	0.16	0.45	2.2	J
95-47-6	Xylene, Ortho	1	0.22	0.12	0.22	1.1	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.1	105	78 - 119	
1,2-Dichloroethane-d4	40.0	43.5	109	71 - 136	
Toluene-d8	40.0	38.9	97	85 - 116	
4-Bromofluorobenzene	40.0	39.7	99	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	494473	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU017SB34-37DUP

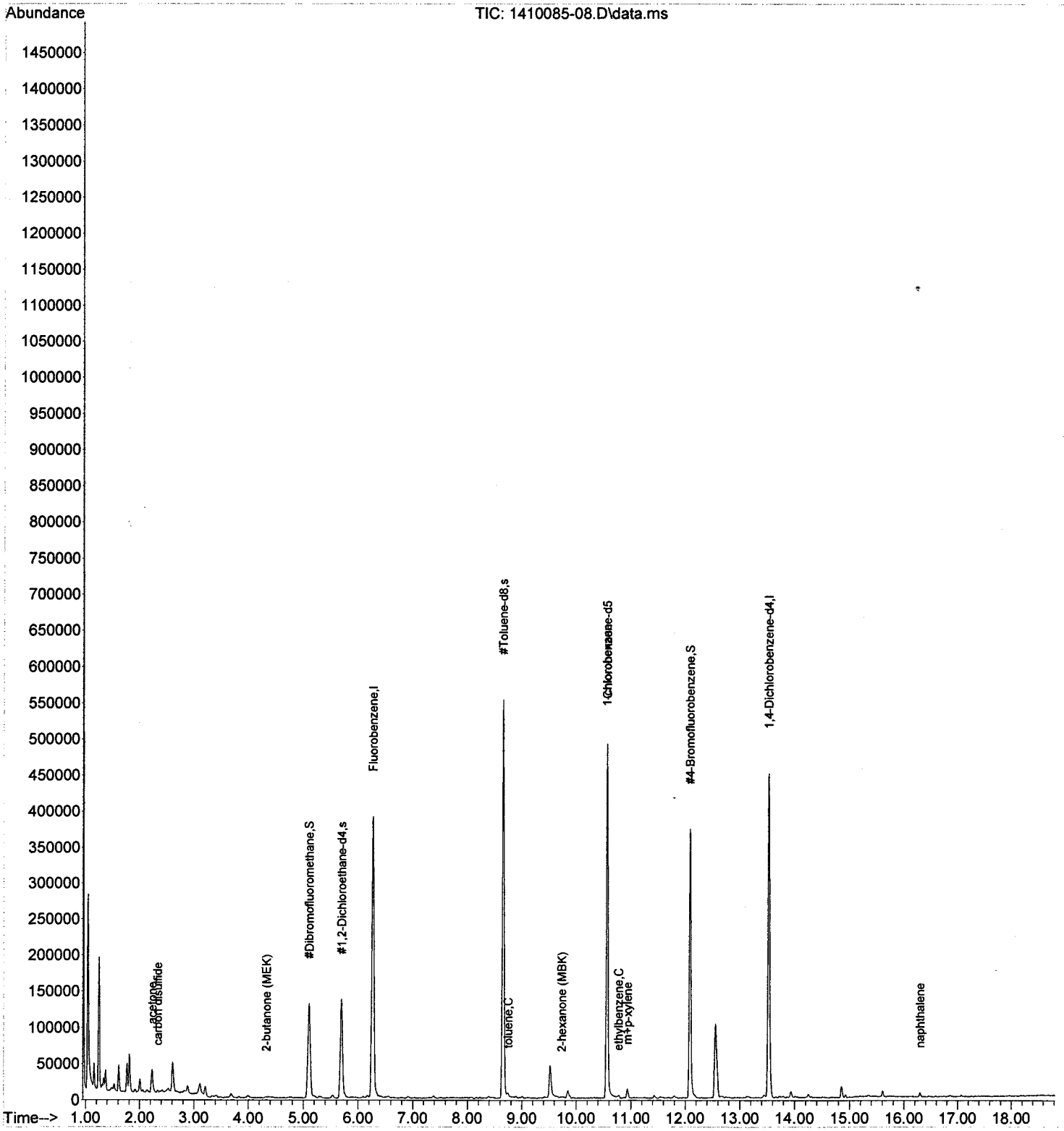
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-08
File ID: 1410085-08.D
Sampled: 10/01/14 09:36
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 14:24
Solids: 96.83
Preparation: 5035A Low Concentratio
Initial/Final: 4.6 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	340734	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	162031	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-08.D
Acq On : 10 Oct 2014 14:24
Operator : DLV
Sample : 1410085-08
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 10 14:45:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-08.D
Acq On : 10 Oct 2014 14:24
Operator : DLV
Sample : 1410085-08
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 10 14:45:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	494473	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	340734	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	162031	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	129343	42.14	ug/L		0.00
Spiked Amount 40.000			Recovery = 105.35%				
37) #1,2-Dichloroethane-d4	5.696	67	78434	43.51	ug/L		0.00
Spiked Amount 40.000			Recovery = 108.78%				
46) #Toluene-d8	8.654	98	465163	38.90	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.25%				
64) #4-Bromofluorobenzene	12.083	95	167334	39.68	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.20%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	45385	29.17	ug/L		96
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.337	76	3950	0.40	ug/L	#	75
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	23072	N.D.			
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.331	43	4795	2.47	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

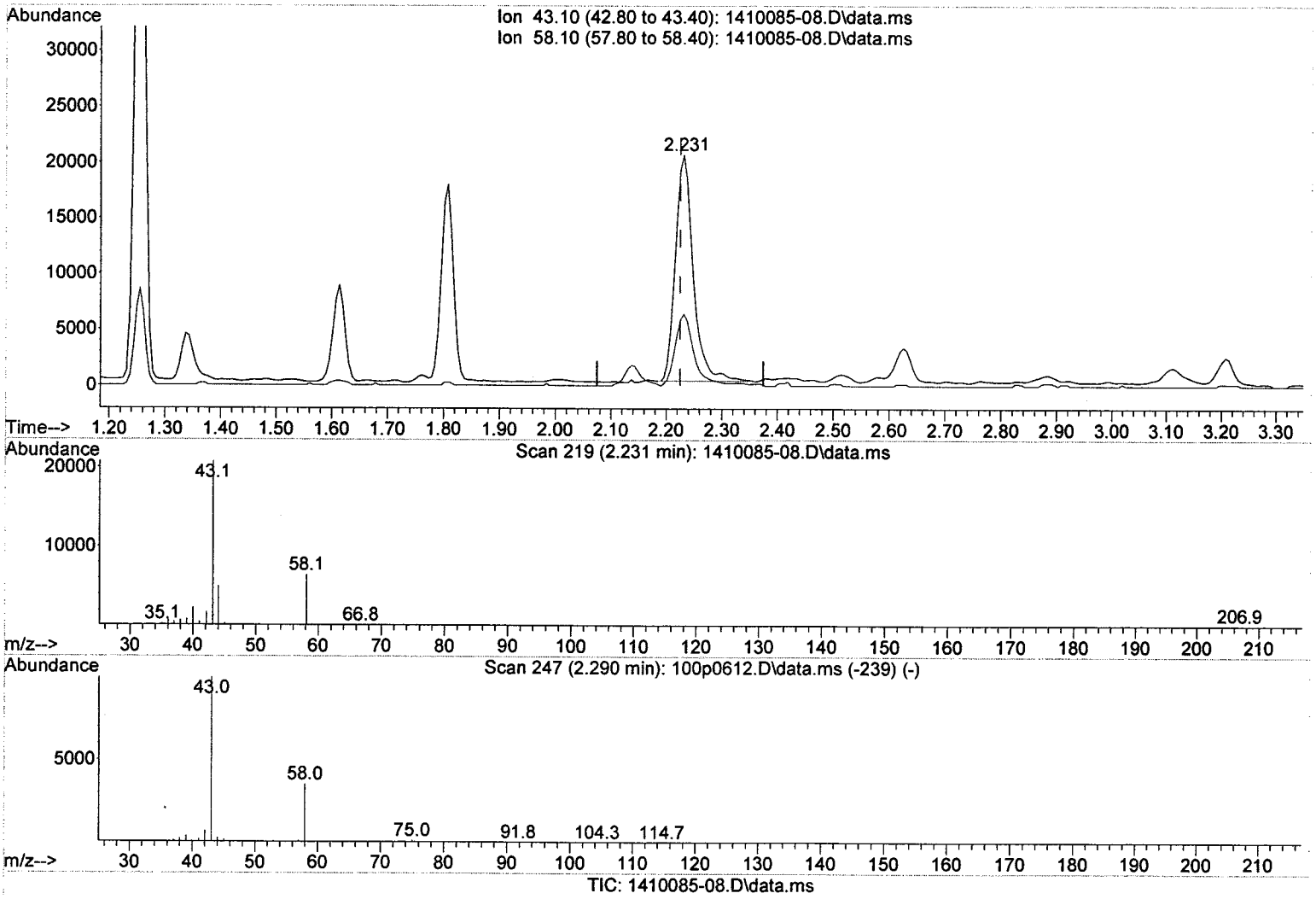
InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-08.D
Acq On : 10 Oct 2014 14:24
Operator : DLV
Sample : 1410085-08
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 10 14:45:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	0.000		0	N.D.			
40) 1,2-dichloropropane	0.000		0	N.D.			
41) dibromomethane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	0.000		0	N.D.			
45) 4-methyl-2-pentanone (...	0.000		0	N.D.			
47) toluene	8.748	91	3359	0.18	ug/L		95
48) trans-1,3-dichloropropene	0.000		0	N.D.			
49) 1,1,2-trichloroethane	0.000		0	N.D.			
51) tetrachloroethene	0.000		0	N.D.			
52) 1,3-dichloropropane	0.000		0	N.D.			
53) 2-hexanone (MBK)	9.736	43	1558	0.57	ug/L	#	39
54) dibromochloromethane	0.000		0	N.D.			
55) 1,2-dibromoethane	0.000		0	N.D.			
56) chlorobenzene	0.000		0	N.D.			
57) 1-chlorohexane	10.560	55	3176	0.69	ug/L	#	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59) ethylbenzene	10.772	91	2391	0.12	ug/L	#	45
60) m+p-xylene	10.936	106	4293	0.57	ug/L		99
61) o-xylene	0.000		0	N.D.			
62) styrene	0.000		0	N.D.			
63) bromoform	0.000		0	N.D.			
66) isopropylbenzene	0.000		0	N.D.			
67) bromobenzene	0.000		0	N.D.			
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69) 1,2,3-trichloropropane	0.000		0	N.D.			
70) 1,4-dichloro-2-butene	0.000		0	N.D.			
71) n-propylbenzene	0.000		0	N.D.			
72) 2-chlorotoluene	0.000		0	N.D.			
73) 1,3,5-trimethylbenzene	0.000		0	N.D.			
74) 4-chlorotoluene	0.000		0	N.D.			
75) tert-butylbenzene	0.000		0	N.D.			
76) 1,2,4-trimethylbenzene	0.000		0	N.D.			
77) sec-butylbenzene	0.000		0	N.D.			
78) 1,3-dichlorobenzene	0.000		0	N.D.			
79) 4-isopropyltoluene	0.000		0	N.D.			
80) 1,4-dichlorobenzene	0.000		0	N.D.			
81) 1,2-dichlorobenzene	0.000		0	N.D.			
82) n-butylbenzene	0.000		0	N.D.			
83) hexachloroethane	0.000		0	N.D.			
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85) 1,2,4-trichlorobenzene	0.000		0	N.D.			
86) hexachlorobutadiene	0.000		0	N.D.			
87) naphthalene	16.295	128	5251	2.70	ug/L	#	77
88) 1,2,3-trichlorobenzene	0.000		0	N.D.			
89) 2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-08.D
Acq On : 10 Oct 2014 14:24
Operator : DLV
Sample : 1410085-08
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 10 14:45:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(13) acetone

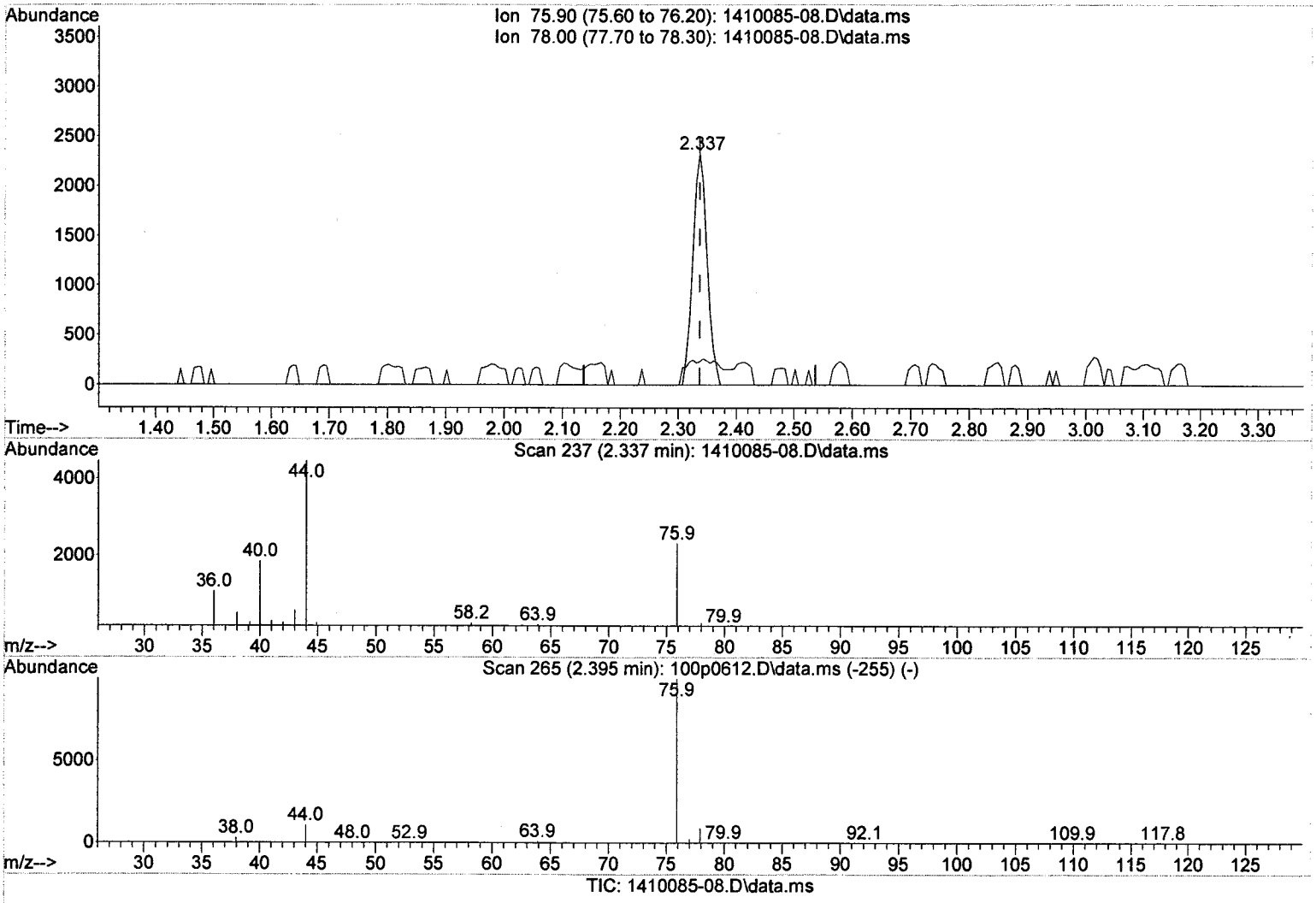
2.231min (+ 0.006) 29.17 ug/L

response 45385

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	33.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-08.D
Acq On : 10 Oct 2014 14:24
Operator : DLV
Sample : 1410085-08
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 10 14:45:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(15) carbon disulfide

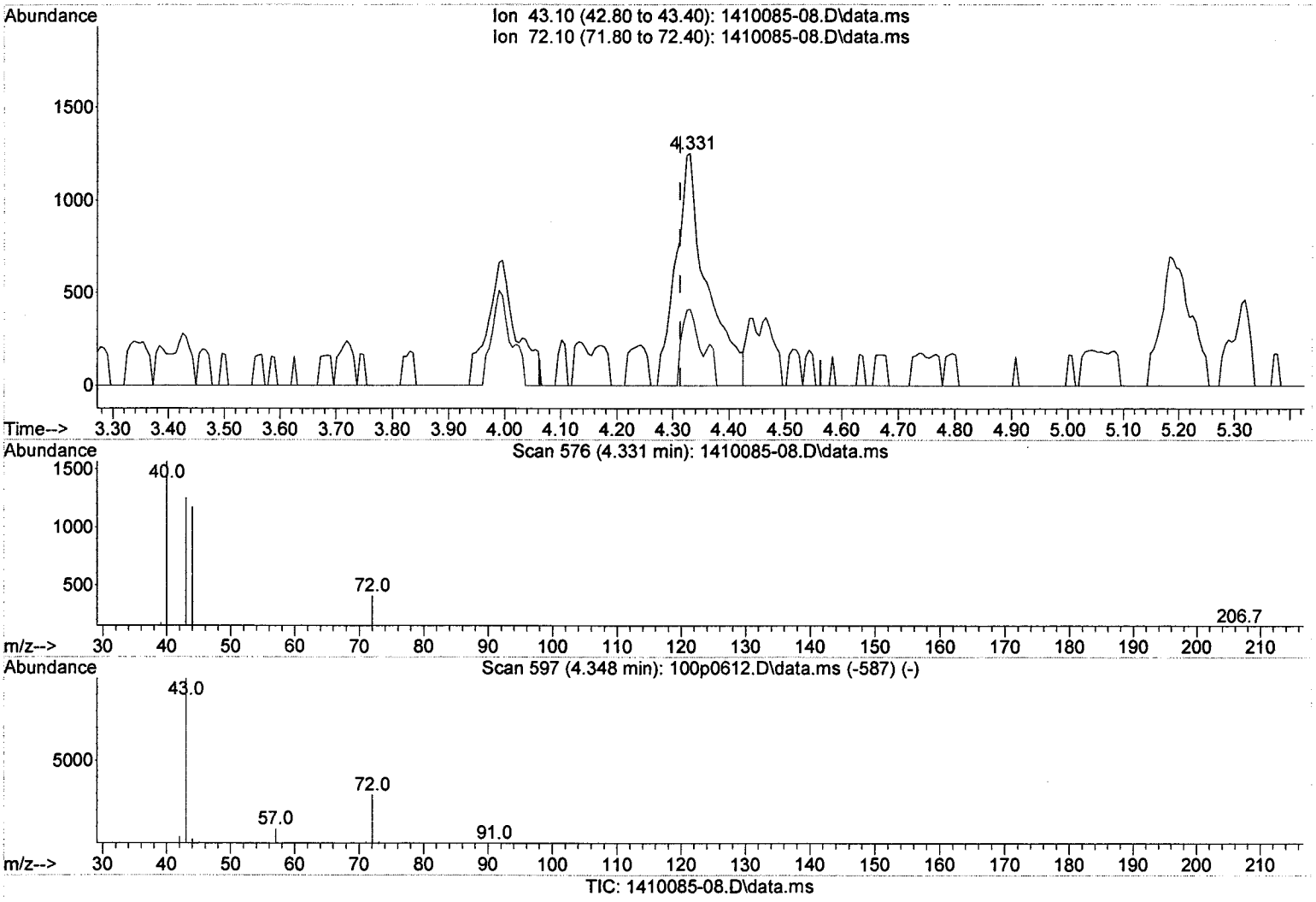
2.337min (-0.000) 0.40 ug/L

response 3950

Ion	Exp%	Act%
75.90	100.00	100.00
78.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-08.D
Acq On : 10 Oct 2014 14:24
Operator : DLV
Sample : 1410085-08
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 10 14:45:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(25) 2-butanone (MEK)

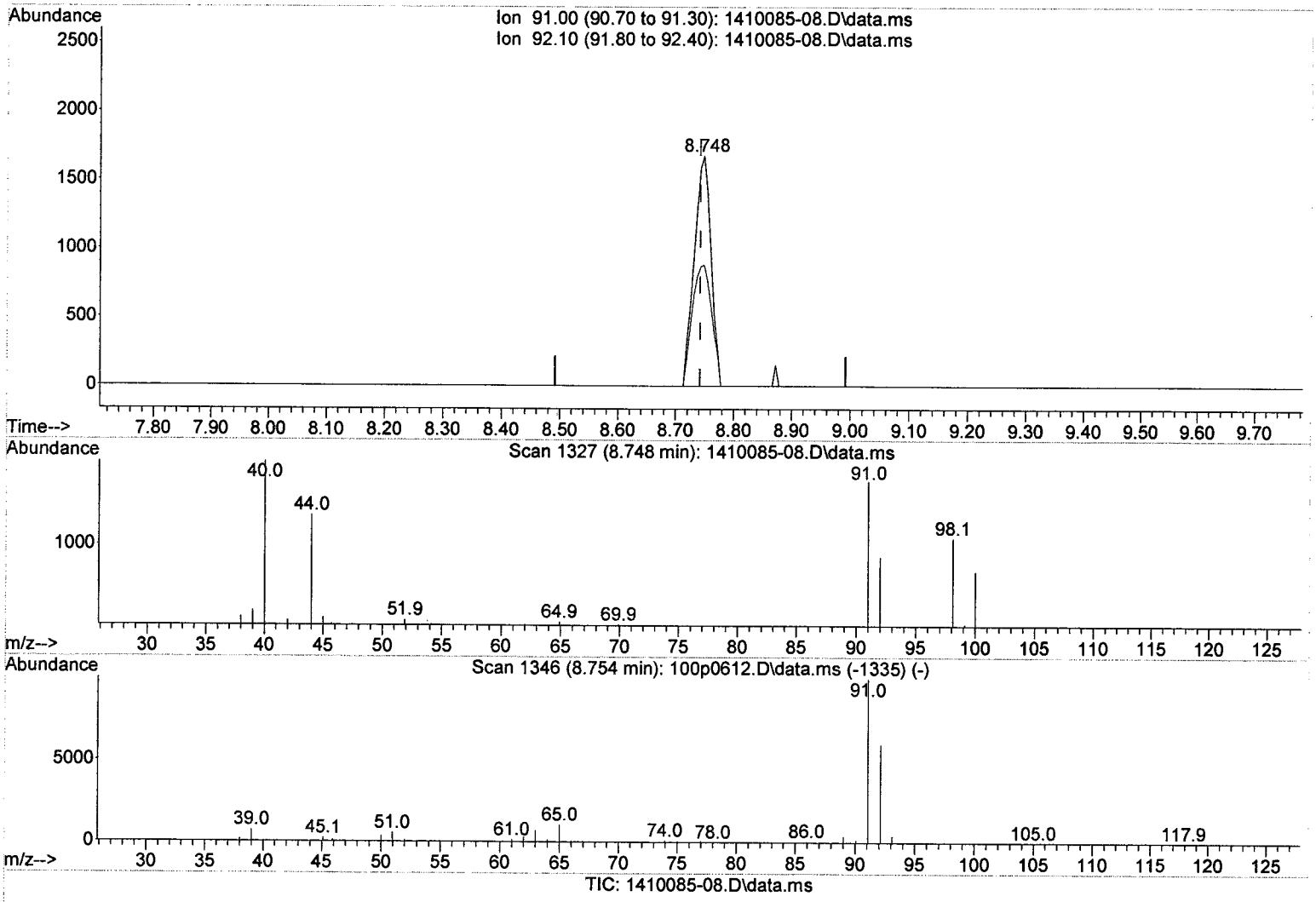
4.331min (+ 0.018) 2.47 ug/L

response 4795

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-08.D
Acq On : 10 Oct 2014 14:24
Operator : DLV
Sample : 1410085-08
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 10 14:45:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(47) toluene (C)

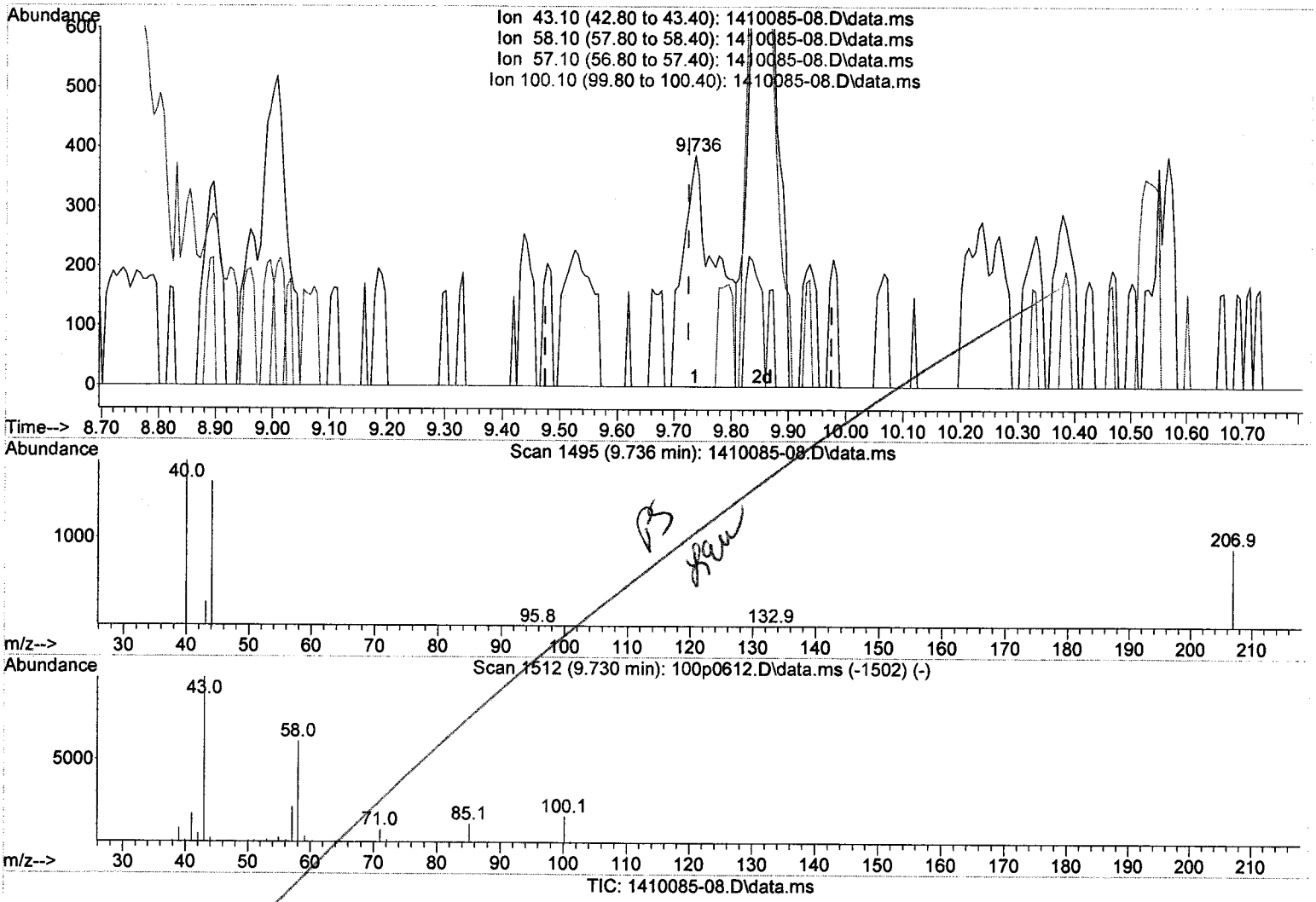
8.748min (+ 0.006) 0.18 ug/L

response 3359

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	60.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-08.D
Acq On : 10 Oct 2014 14:24
Operator : DLV
Sample : 1410085-08
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 10 14:45:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(53) 2-hexanone (MBK)

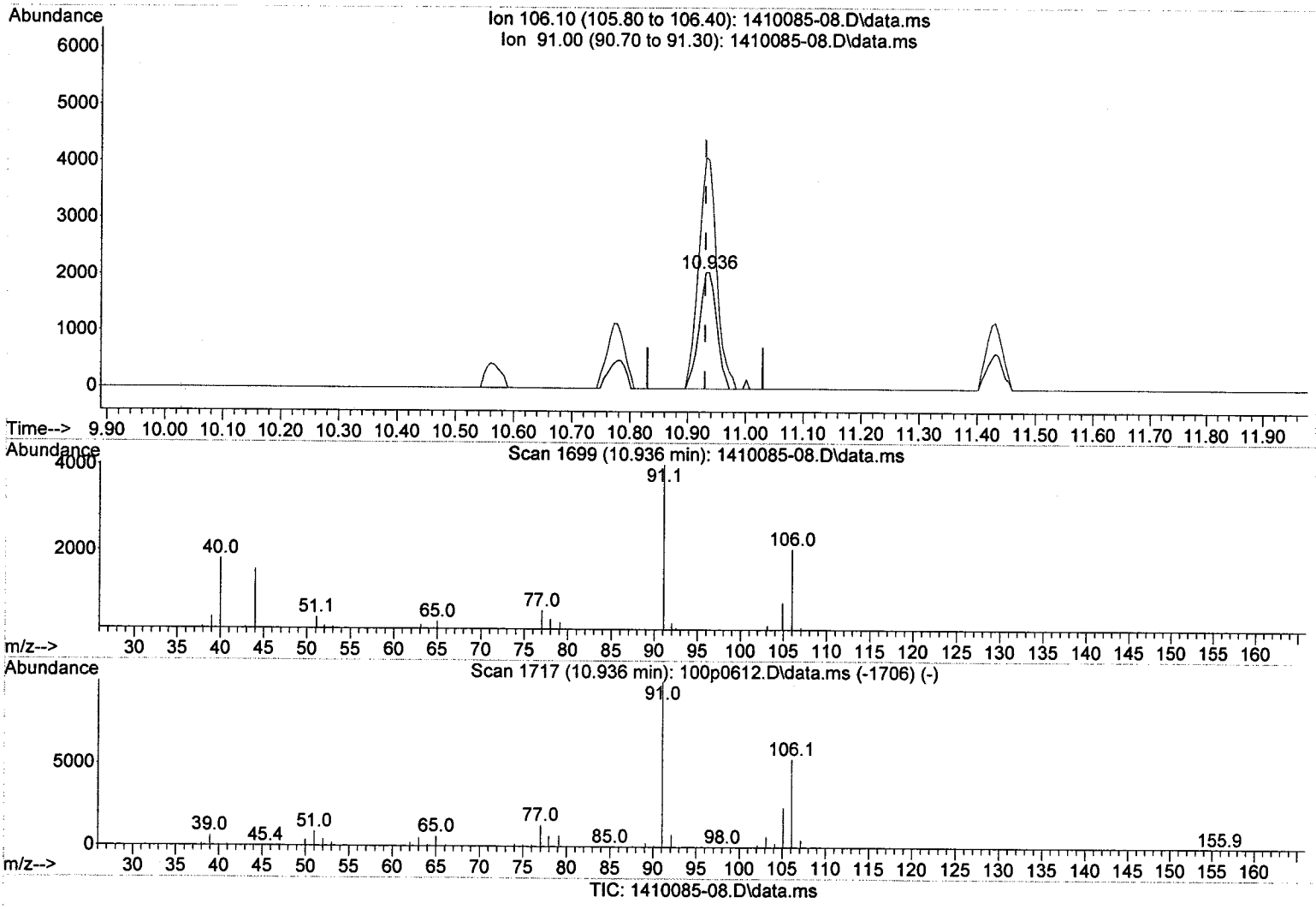
9.736min (+ 0.011) 0.57 ug/L

response 1558

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	53.40	0.00#
57.10	17.80	0.00
100.10	10.30	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-08.D
Acq On : 10 Oct 2014 14:24
Operator : DLV
Sample : 1410085-08
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 10 14:45:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(60) m+p-xylene

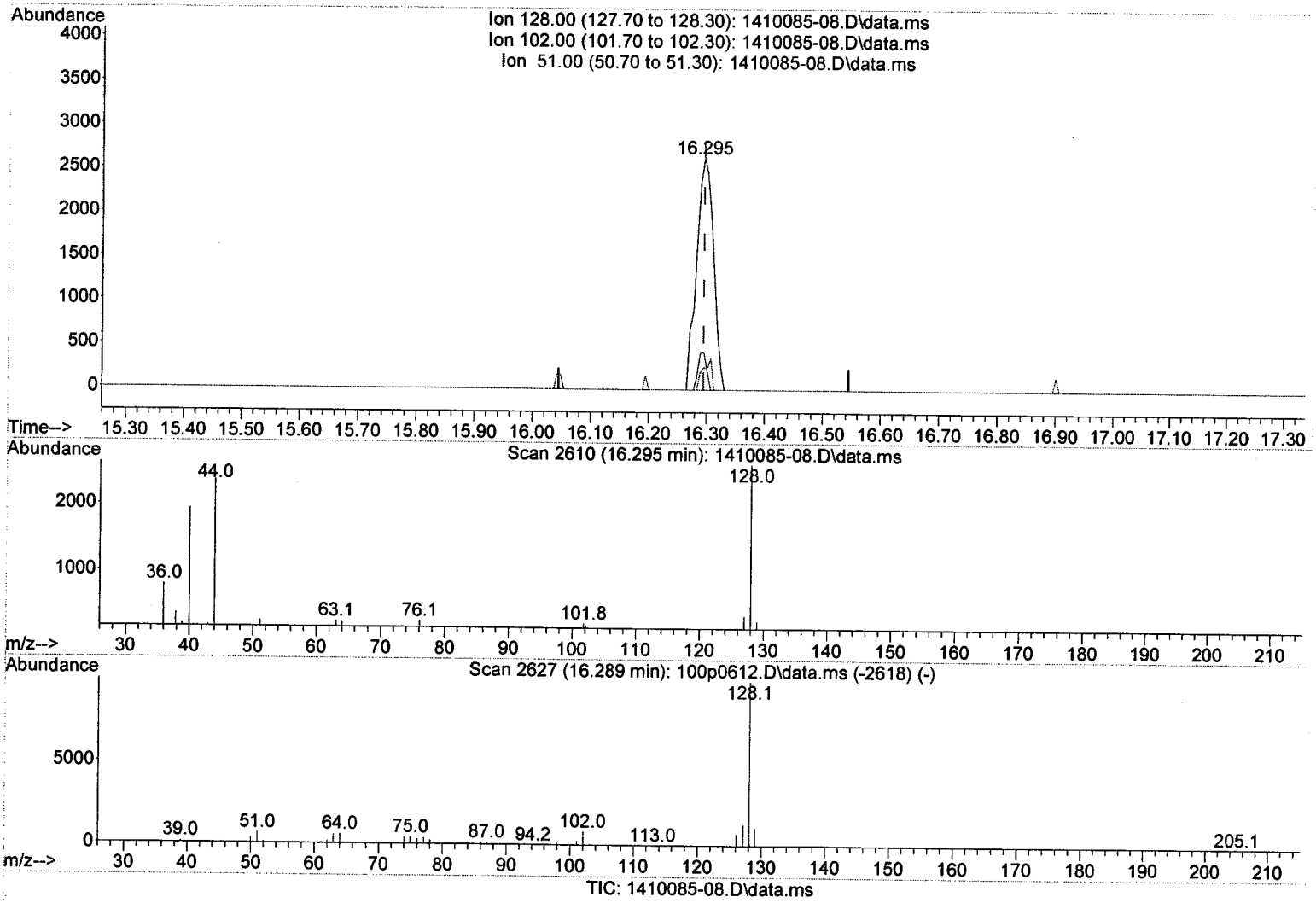
10.936min (+ 0.006) 0.57 ug/L

response 4293

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	205.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-08.D
Acq On : 10 Oct 2014 14:24
Operator : DLV
Sample : 1410085-08
Misc : AECOM
ALS Vial : 20 Sample Multiplier: 1
Quant Time: Oct 10 14:45:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(87) naphthalene

16.295min (-0.000) 2.70 ug/L

response 5251

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	0.00
51.00	7.70	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU017SB38-15DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-09 File ID: 1410085-09.D

Sampled: 10/01/14 11:40 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 15:31

Solids: 97.50 Preparation: 5035A Low Concentratio Initial/Final: 4 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
67-64-1	Acetone	1	32	5.4	6.4	6.4	B
71-43-2	Benzene	1	0.64	0.21	0.64	1.3	U
108-86-1	Bromobenzene	1	0.64	0.17	0.64	1.3	U
74-97-5	Bromochloromethane	1	0.64	0.18	0.64	1.3	U
75-27-4	Bromodichloromethane	1	0.64	0.22	0.64	1.3	U
75-25-2	Bromoform	1	0.64	0.46	0.64	1.3	U
74-83-9	Bromomethane	1	0.64	0.42	0.64	1.3	U
104-51-8	n-Butylbenzene	1	0.64	0.33	0.64	1.3	U
135-98-8	sec-Butylbenzene	1	0.64	0.27	0.64	1.3	U
98-06-6	tert-Butylbenzene	1	0.64	0.21	0.64	1.3	U
75-15-0	Carbon Disulfide	1	0.64	0.30	0.64	1.3	U
56-23-5	Carbon Tetrachloride	1	0.64	0.42	0.64	1.3	U
108-90-7	Chlorobenzene	1	0.64	0.19	0.64	1.3	U
75-00-3	Chloroethane	1	1.3	0.64	1.3	1.3	U
67-66-3	Chloroform	1	0.64	0.18	0.64	1.3	U
74-87-3	Chloromethane	1	0.64	0.33	0.64	1.3	U
95-49-8	2-Chlorotoluene	1	0.64	0.37	0.64	1.3	U
106-43-4	4-Chlorotoluene	1	0.26	0.26	0.26	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.3	0.76	1.3	6.4	U
124-48-1	Dibromochloromethane	1	0.64	0.24	0.64	1.3	U
106-93-4	1,2-Dibromoethane	1	0.64	0.19	0.64	1.3	U
74-95-3	Dibromomethane	1	0.64	0.29	0.64	1.3	U
95-50-1	1,2-Dichlorobenzene	1	0.26	0.12	0.26	1.3	U
541-73-1	1,3-Dichlorobenzene	1	0.26	0.14	0.26	1.3	U
106-46-7	1,4-Dichlorobenzene	1	0.26	0.14	0.26	1.3	U
75-71-8	Dichlorodifluoromethane	1	0.64	0.18	0.64	1.3	U
75-34-3	1,1-Dichloroethane	1	0.64	0.27	0.64	1.3	U
107-06-2	1,2-Dichloroethane	1	0.64	0.29	0.64	1.3	U
75-35-4	1,1-Dichloroethene	1	0.64	0.39	0.64	1.3	U
156-59-2	cis-1,2-Dichloroethene	1	0.64	0.29	0.64	1.3	U
156-60-5	trans-1,2-Dichloroethene	1	0.64	0.35	0.64	1.3	U
78-87-5	1,2-Dichloropropane	1	0.64	0.22	0.64	1.3	U
142-28-9	1,3-Dichloropropane	1	0.64	0.18	0.64	1.3	U
594-20-7	2,2-Dichloropropane	1	0.64	0.29	0.64	1.3	U
563-58-6	1,1-Dichloropropene	1	0.64	0.36	0.64	1.3	U
10061-01-5	cis-1,3-Dichloropropene	1	0.26	0.14	0.26	1.3	U
10061-02-6	trans-1,3-Dichloropropene	1	0.64	0.16	0.64	1.3	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU017SB38-15DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-09 File ID: 1410085-09.D

Sampled: 10/01/14 11:40 Prepared: 10/10/14 07:00 Analyzed: 10/10/14 15:31

Solids: 97.50 Preparation: 5035A Low Concentratio Initial/Final: 4 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	1	0.64	0.24	0.64	1.3	U
87-68-3	Hexachlorobutadiene	1	0.64	0.27	0.64	1.3	U
591-78-6	2-Hexanone	1	0.64	0.62	0.64	6.4	U
98-82-8	Isopropylbenzene	1	0.26	0.14	0.26	1.3	U
99-87-6	4-Isopropyltoluene	1	0.64	0.31	0.64	1.3	U
75-09-2	Methylene Chloride	1	0.90	0.60	1.3	6.4	JB
78-93-3	2-Butanone (MEK)	1	6.4	1.4	6.4	6.4	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.64	0.50	0.64	6.4	U
91-20-3	Naphthalene	1	0.64	0.21	0.64	6.4	U
103-65-1	n-Propylbenzene	1	0.64	0.15	0.64	1.3	U
100-42-5	Styrene	1	0.26	0.26	0.26	1.3	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.64	0.19	0.64	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.64	0.18	0.64	1.3	U
127-18-4	Tetrachloroethene	1	0.64	0.22	0.64	1.3	U
108-88-3	Toluene	1	0.13	0.13	0.26	1.3	J
87-61-6	1,2,3-Trichlorobenzene	1	0.64	0.37	0.64	1.3	U
120-82-1	1,2,4-Trichlorobenzene	1	0.64	0.22	0.64	1.3	U
71-55-6	1,1,1-Trichloroethane	1	0.64	0.18	0.64	1.3	U
79-00-5	1,1,2-Trichloroethane	1	0.64	0.27	0.64	1.3	U
79-01-6	Trichloroethene	1	0.64	0.31	0.64	1.3	U
75-69-4	Trichlorofluoromethane	1	0.64	0.22	0.64	1.3	U
96-18-4	1,2,3-Trichloropropane	1	0.64	0.29	0.64	1.3	U
95-63-6	1,2,4-Trimethylbenzene	1	0.64	0.15	0.64	1.3	U
108-67-8	1,3,5-Trimethylbenzene	1	0.64	0.25	0.64	1.3	U
75-01-4	Vinyl Chloride	1	0.64	0.26	0.64	1.3	U
179601-23-1	Xylene, Meta + Para	1	0.41	0.18	0.51	2.6	J
95-47-6	Xylene, Ortho	1	0.26	0.14	0.26	1.3	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Dibromofluoromethane	40.0	42.7	107	78 - 119	
1,2-Dichloroethane-d4	40.0	44.2	111	71 - 136	
Toluene-d8	40.0	40.1	100	85 - 116	
4-Bromofluorobenzene	40.0	41.2	103	79 - 119	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	440143	6.272	392692	6.266	

ORGANIC ANALYSIS DATA SHEET
USEPA-8260C

GA-TU017SB38-15DUP

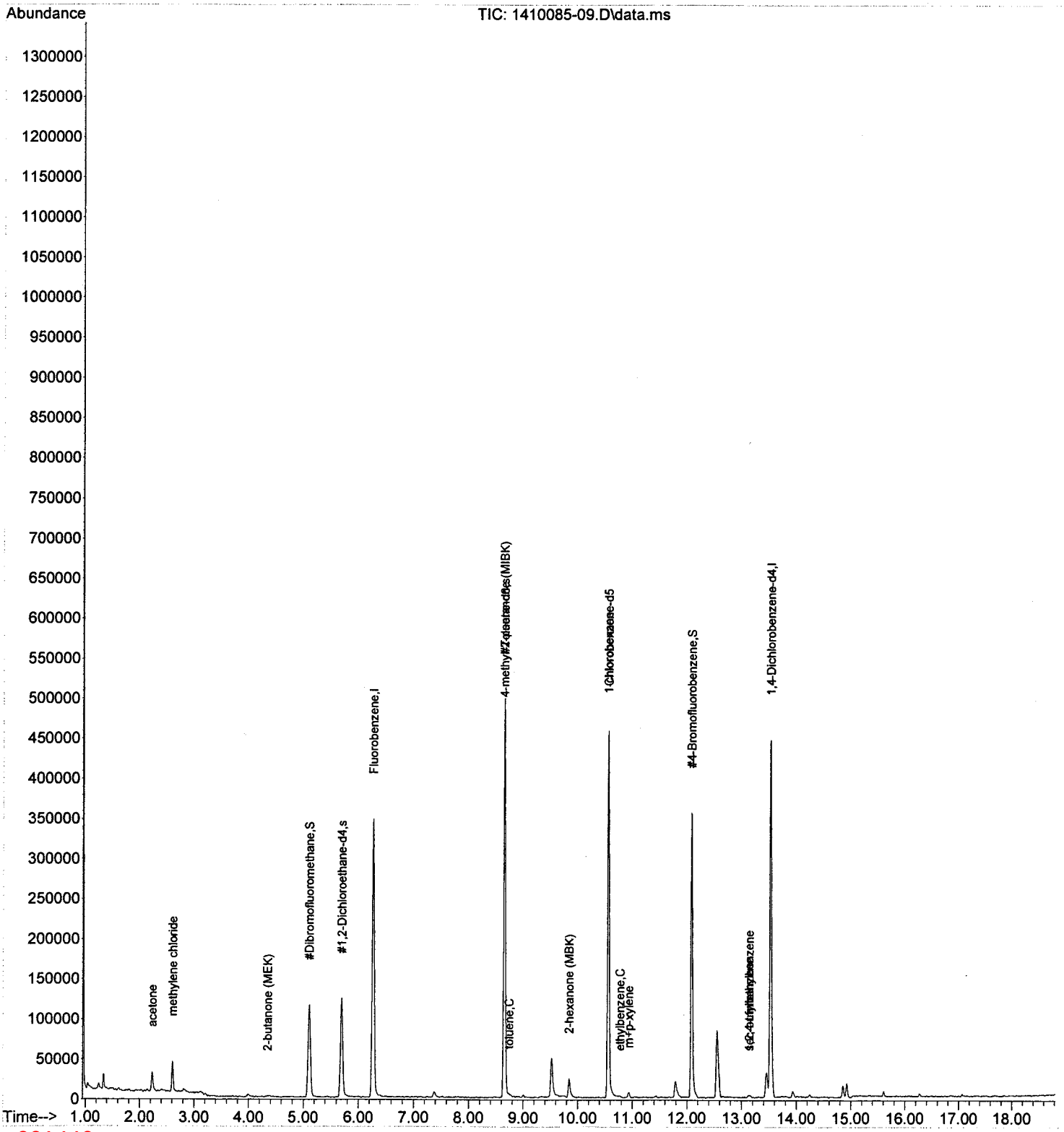
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-09
File ID: 1410085-09.D
Sampled: 10/01/14 11:40
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 15:31
Solids: 97.50
Preparation: 5035A Low Concentratio
Initial/Final: 4 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chlorobenzene-d5	319372	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	159366	13.53	137305	13.524	

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-09.D
Acq On : 10 Oct 2014 15:31
Operator : DLV
Sample : 1410085-09
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 11 08:34:46 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-09.D
Acq On : 10 Oct 2014 15:31
Operator : DLV
Sample : 1410085-09
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 11 08:34:46 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	440143	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	319372	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	159366	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	116594	42.67	ug/L		0.00
Spiked Amount 40.000			Recovery = 106.68%				
37) #1,2-Dichloroethane-d4	5.695	67	70970	44.23	ug/L		0.00
Spiked Amount 40.000			Recovery = 110.58%				
46) #Toluene-d8	8.654	98	426498	40.07	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.18%				
64) #4-Bromofluorobenzene	12.083	95	162990	41.24	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.10%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	35455	24.83	ug/L		93
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	23407	0.70	ug/L		94
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.348	43	2513	1.45	ug/L	#	48
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

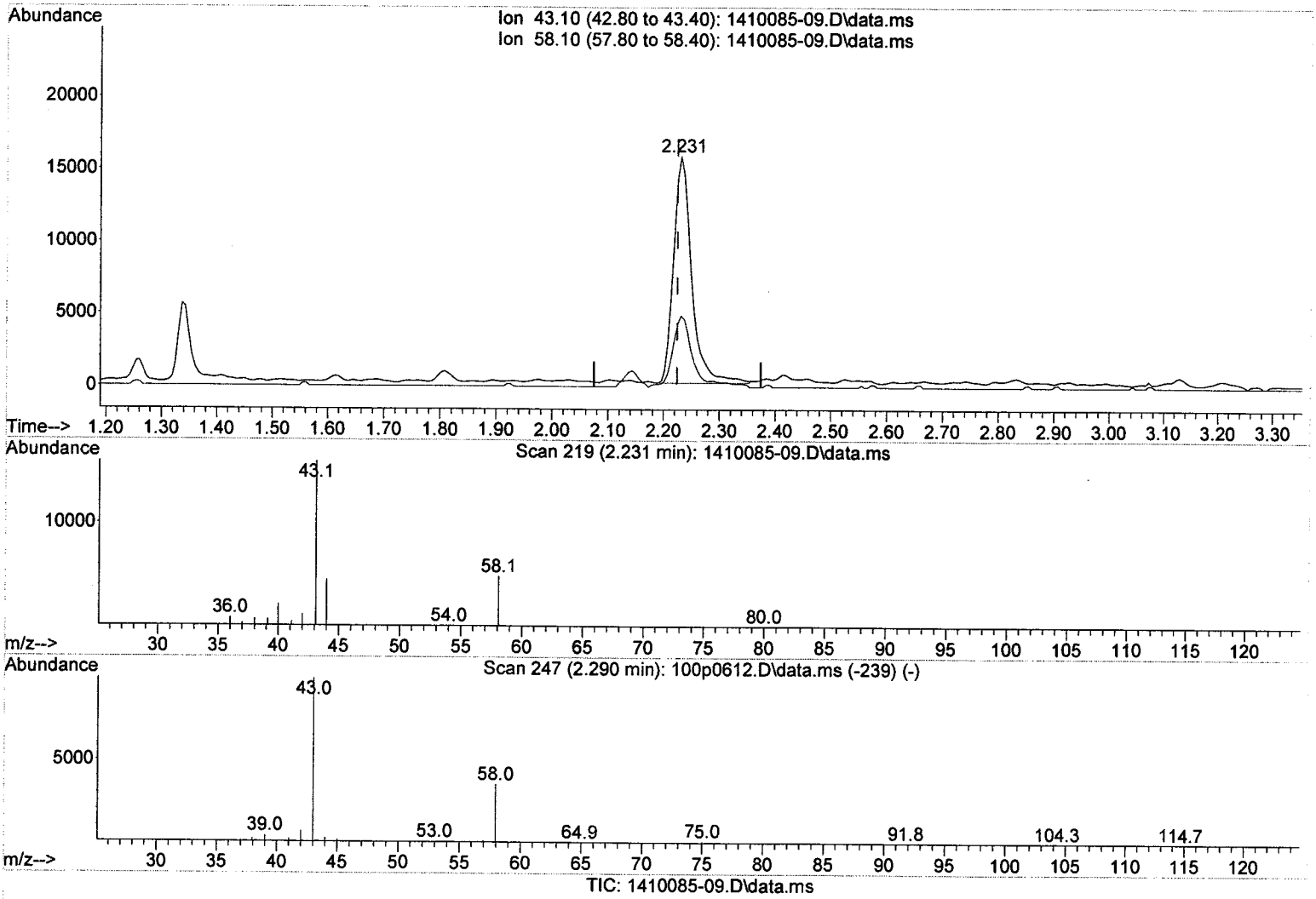
InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-09.D
Acq On : 10 Oct 2014 15:31
Operator : DLV
Sample : 1410085-09
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 11 08:34:46 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.			
40)	1,2-dichloropropane	0.000		0	N.D.			
41)	dibromomethane	0.000		0	N.D.			
42)	bromodichloromethane	0.000		0	N.D.			
43)	2-chloroethyl vinyl ether	0.000		0	N.D.			
44)	cis-1,3-dichloropropene	0.000		0	N.D.			
45)	4-methyl-2-pentanone (...	8.648	43	1540	~~0.46~~	ug/L	#	1
47)	toluene	8.742	91	1721	0.10	ug/L	#	23
48)	trans-1,3-dichloropropene	0.000		0	N.D.			
49)	1,1,2-trichloroethane	0.000		0	N.D.			
51)	tetrachloroethene	0.000		0	N.D.			
52)	1,3-dichloropropane	0.000		0	N.D.			
53)	2-hexanone (MBK)	9.848	43	6726	~~2.63~~	ug/L	#	2
54)	dibromochloromethane	0.000		0	N.D.			
55)	1,2-dibromoethane	0.000		0	N.D.			
56)	chlorobenzene	0.000		0	N.D.			
57)	1-chlorohexane	10.560	55	2490	0.57	ug/L	#	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.			
59)	ethylbenzene	10.778	91	1552	0.08	ug/L	#	45
60)	m+p-xylene	10.936	106	2240	0.32	ug/L	#	77
61)	o-xylene	0.000		0	N.D.			
62)	styrene	0.000		0	N.D.			
63)	bromoform	0.000		0	N.D.			
66)	isopropylbenzene	0.000		0	N.D.			
67)	bromobenzene	0.000		0	N.D.			
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
69)	1,2,3-trichloropropane	0.000		0	N.D.			
70)	1,4-dichloro-2-butene	0.000		0	N.D.			
71)	n-propylbenzene	0.000		0	N.D.			
72)	2-chlorotoluene	0.000		0	N.D.			
73)	1,3,5-trimethylbenzene	0.000		0	N.D.			
74)	4-chlorotoluene	0.000		0	N.D.			
75)	tert-butylbenzene	0.000		0	N.D.			
76)	1,2,4-trimethylbenzene	13.142	105	2213	~~0.14~~	ug/L	#	31
77)	sec-butylbenzene	13.142	105	2213	0.11	ug/L	#	58
78)	1,3-dichlorobenzene	0.000		0	N.D.			
79)	4-isopropyltoluene	0.000		0	N.D.			
80)	1,4-dichlorobenzene	0.000		0	N.D.			
81)	1,2-dichlorobenzene	0.000		0	N.D.			
82)	n-butylbenzene	0.000		0	N.D.			
83)	hexachloroethane	0.000		0	N.D.			
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.			
85)	1,2,4-trichlorobenzene	0.000		0	N.D.			
86)	hexachlorobutadiene	0.000		0	N.D.			
87)	naphthalene	0.000		0	N.D.			
88)	1,2,3-trichlorobenzene	0.000		0	N.D.			
89)	2-methylnaphthalene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-09.D
Acq On : 10 Oct 2014 15:31
Operator : DLV
Sample : 1410085-09
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 11 08:34:46 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-09.D\data.ms

(13) acetone

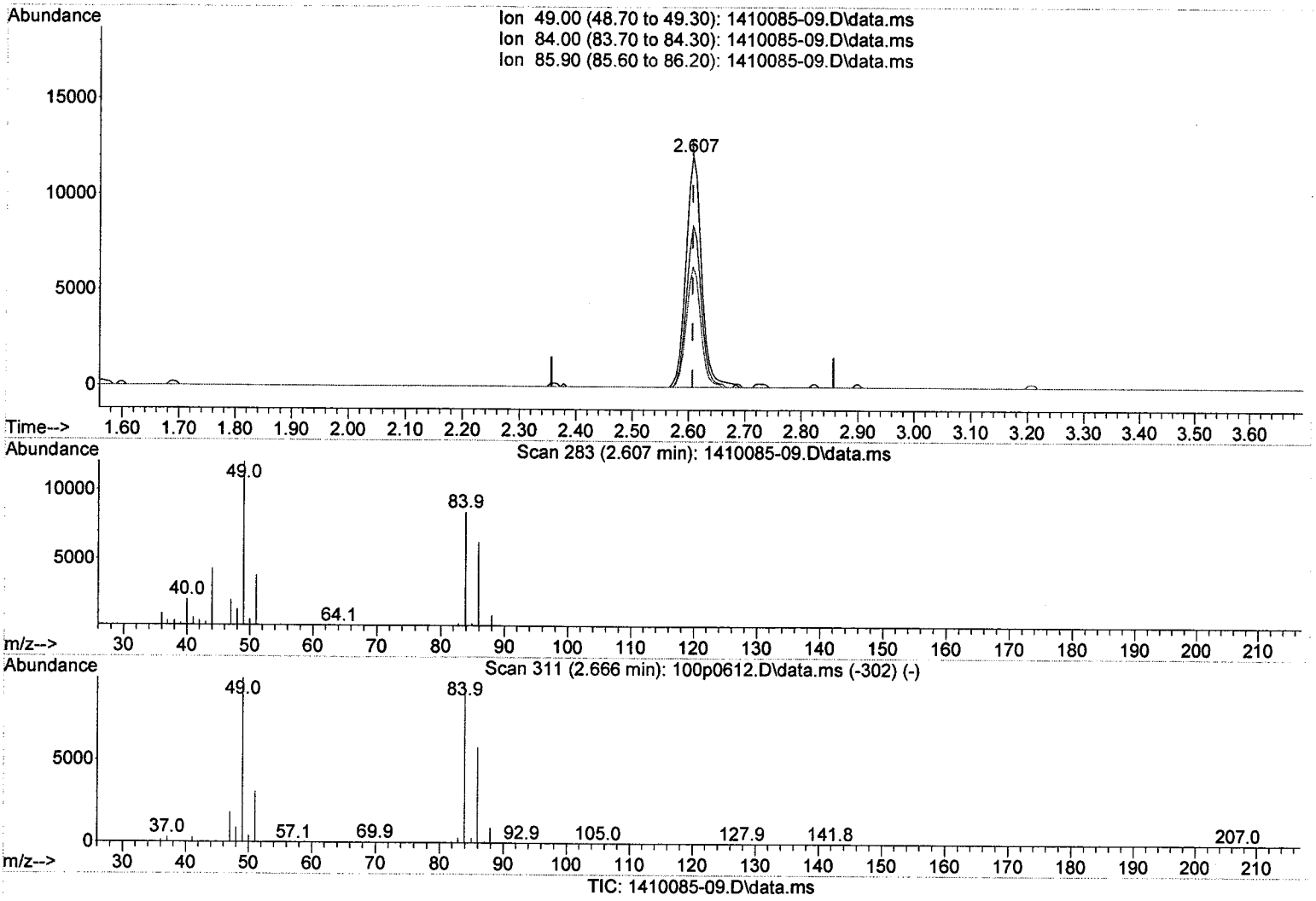
2.231min (+ 0.006) 24.83 ug/L

response 35455

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	35.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-09.D
Acq On : 10 Oct 2014 15:31
Operator : DLV
Sample : 1410085-09
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 11 08:34:46 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-09.D\data.ms

(17) methylene chloride

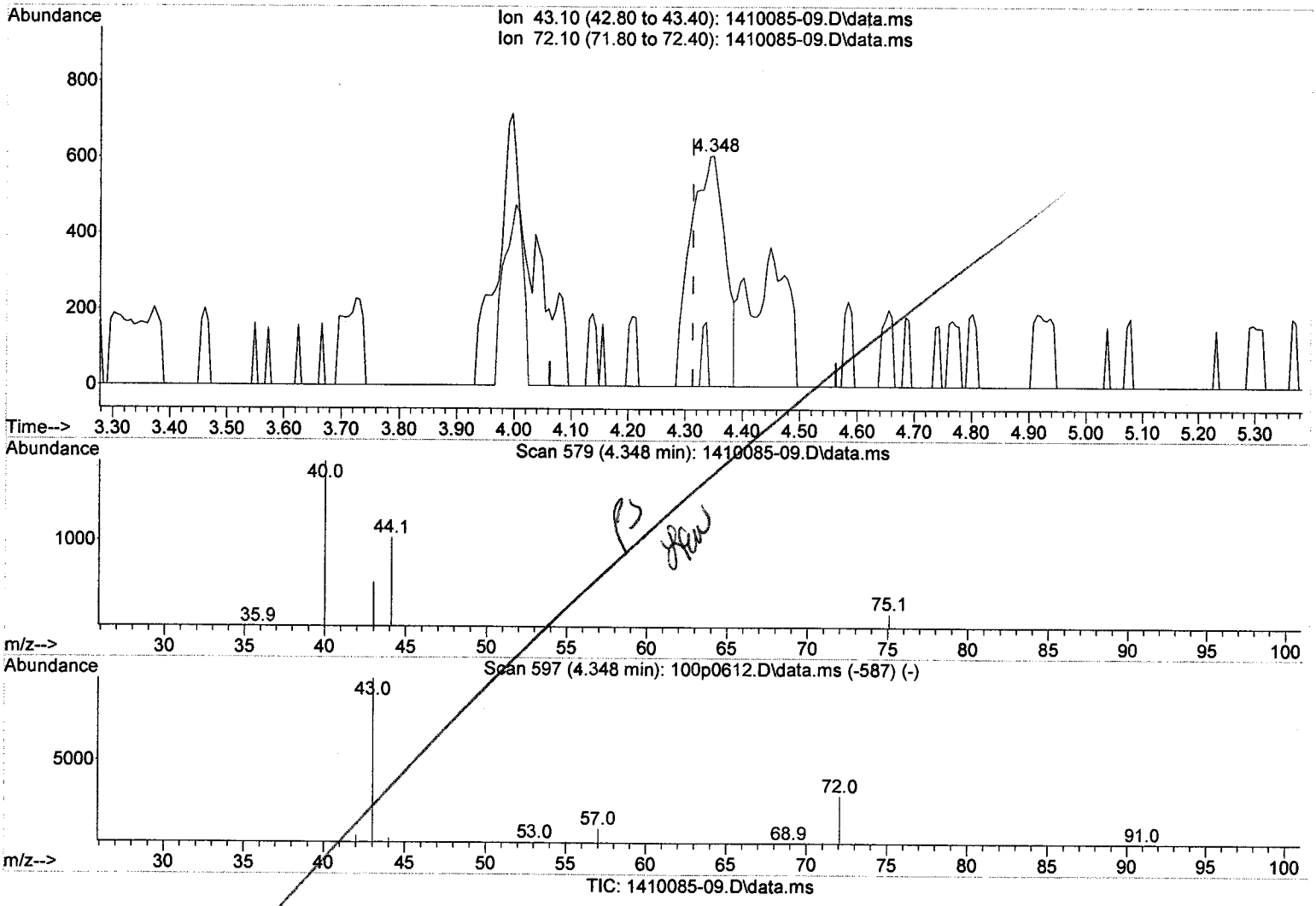
2.607min (+ 0.000) 0.70 ug/L

response 23407

Ion	Exp%	Act%
49.00	100.00	100.00
84.00	74.80	66.74
85.90	48.00	47.86
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-09.D
Acq On : 10 Oct 2014 15:31
Operator : DLV
Sample : 1410085-09
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 11 08:34:46 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-09.D\data.ms

(25) 2-butanone (MEK)

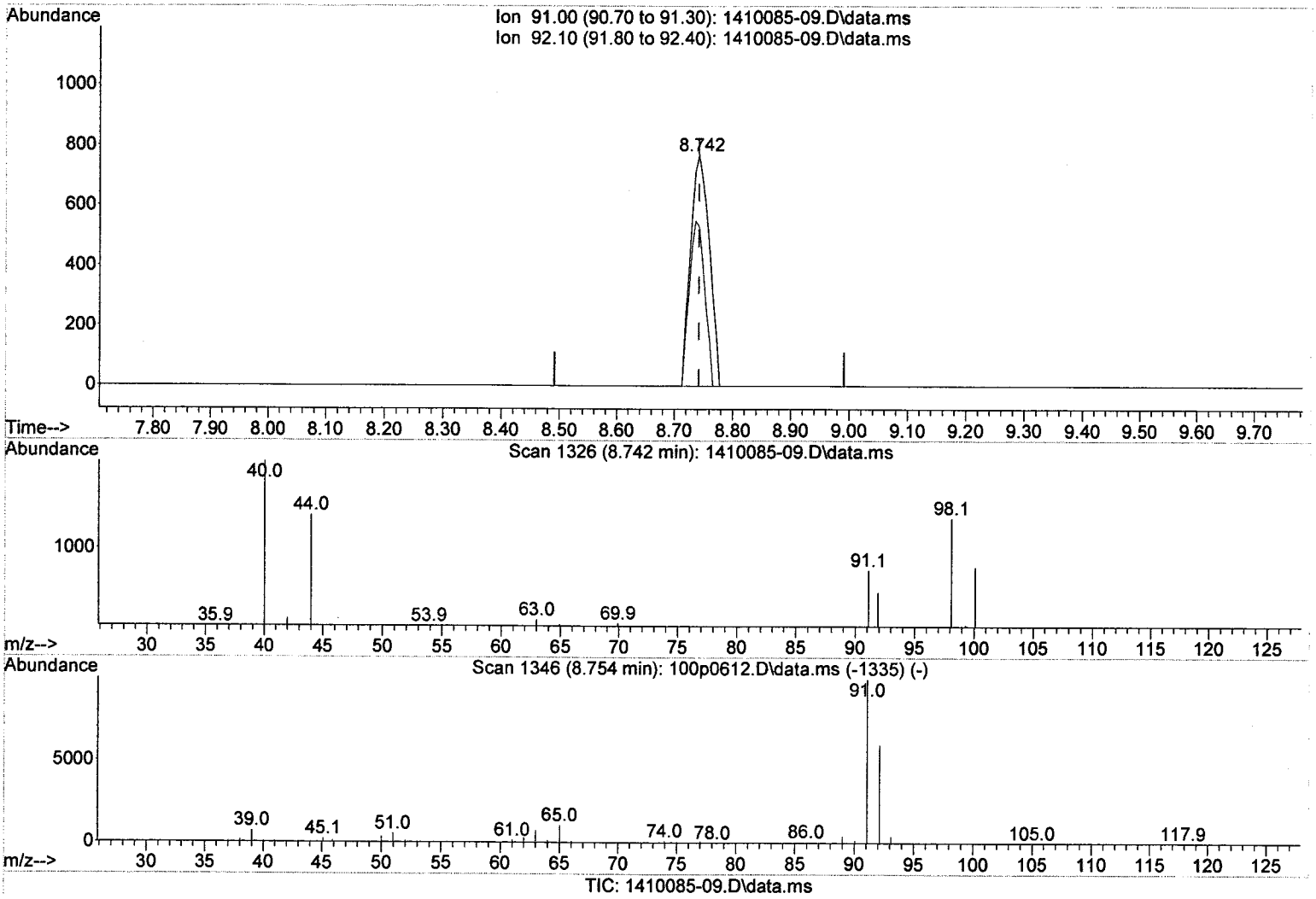
4.348min (+ 0.035) 1.45 ug/L

response 2513

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-09.D
Acq On : 10 Oct 2014 15:31
Operator : DLV
Sample : 1410085-09
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 11 08:34:46 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-09.D\data.ms

(47) toluene (C)

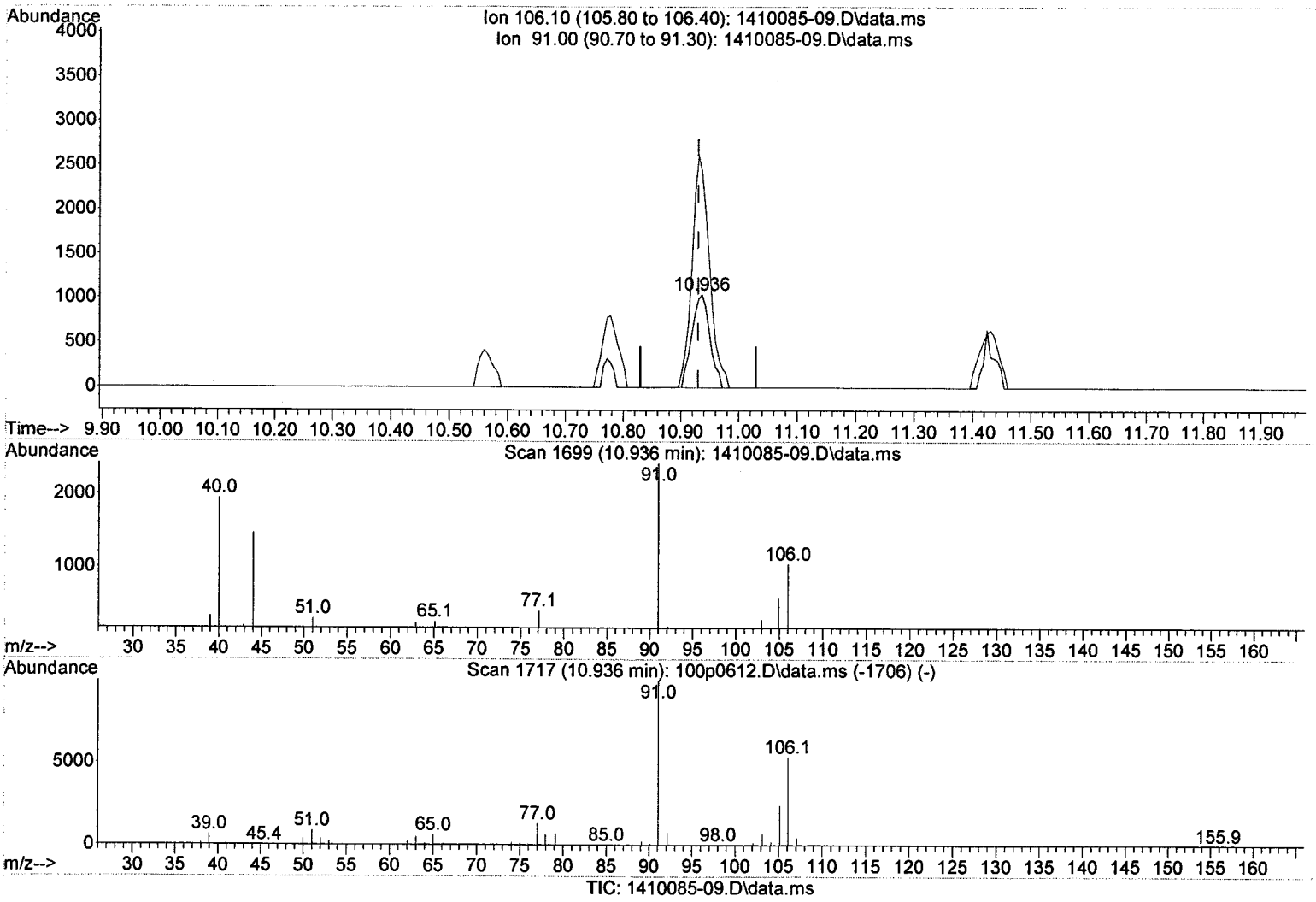
8.742min (+ 0.000) 0.10 ug/L

response 1721

Ion	Exp%	Act%
91.00	100.00	100.00
92.10	57.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-09.D
Acq On : 10 Oct 2014 15:31
Operator : DLV
Sample : 1410085-09
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 11 08:34:46 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-09.D\data.ms

(60) m+p-xylene

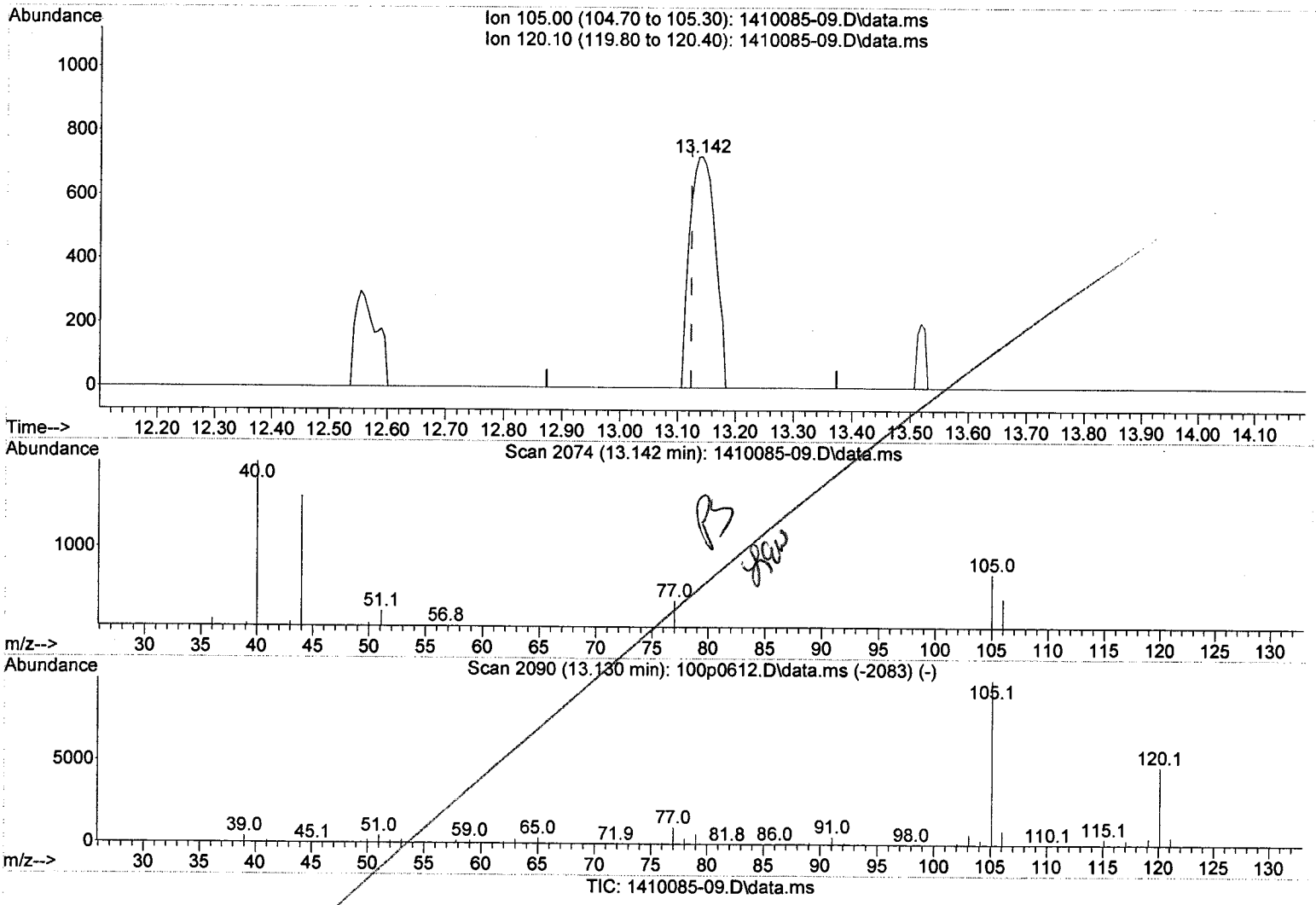
10.936min (+ 0.006) 0.32 ug/L

response 2240

Ion	Exp%	Act%
106.10	100.00	100.00
91.00	207.50	242.50#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : 1410085-09.D
Acq On : 10 Oct 2014 15:31
Operator : DLV
Sample : 1410085-09
Misc : AECOM
ALS Vial : 23 Sample Multiplier: 1
Quant Time: Oct 11 08:34:46 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: 1410085-09.D\data.ms

(76) 1,2,4-trimethylbenzene

13.142min (+ 0.018) 0.14 ug/L

response 2213

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	45.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

TRIMATRIX LABORATORIES

SECTION - C

STANDARDS DATA

USEPA-8260C

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

INITIAL CALIBRATION STANDARDS

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Sequence: 4J01001
Calibration: 4J01002
Instrument: 350

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
4070715	8260 Tune Working Standard 07-17-14	4J01001-TUN1	BFB0930.D	09/30/14 08:40
4091376	1.0 ug/L B	4J01001-CAL1	1P0930.D	09/30/14 09:19
4091377	5.0 ug/L B	4J01001-CAL2	5P0930.D	09/30/14 09:43
4091378	10 ug/L B	4J01001-CAL3	10P0930.D	09/30/14 10:06
4091379	20 ug/L B	4J01001-CAL4	20P0930.D	09/30/14 10:30
4091380	40 ug/L B	4J01001-CAL5	40P0930.D	09/30/14 10:53
4091381	100 ug/L B	4J01001-CAL6	100P0930.D	09/30/14 11:17
4091382	200 ug/L B	4J01001-CAL7	200P0930.D	09/30/14 12:04
4100001	400 ug/L B	4J01001-CAL8	400P0930.D	09/30/14 12:27
4091380	40 ug/L B	4J01001-SCV1	SCV0930.D	09/30/14 12:51

INITIAL CALIBRATION DATA
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Calibration: 4J01002

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration Date: 09/30/14 00:00
Instrument: 350

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
Acetone	1	~~1.816327~~	5	0.4550723	10	0.2546972	20	0.1963688	40	0.1465315	100	0.1215869
Acrolein	1	~~0.2233993~~	5	6.404076E-02	10	5.753584E-02	20	5.535402E-02	40	5.523852E-02	100	5.208616E-02
Acrylonitrile	1	~~0.4740614~~	5	0.1408008	10	0.1303329	20	0.1351239	40	0.1293154	100	0.1284652
Benzene	1	1.848185	5	1.354771	10	1.291073	20	1.348271	40	1.291471	100	1.307449
Bromobenzene	1	2.500611	5	1.758635	10	1.67141	20	1.692691	40	1.665585	100	1.693582
Bromochloromethane	1	0.5401153	5	0.2884398	10	0.2722333	20	0.2774899	40	0.2723815	100	0.270503
Bromodichloromethane	1	0.5599003	5	0.3829795	10	0.3638592	20	0.3758288	40	0.3703379	100	0.3886044
Bromoform	1	0.3333989	5	0.2187871	10	0.2290565	20	0.2536282	40	0.2450923	100	0.2554375
Bromomethane	1	~~3.494937~~	5	0.2863542	10	0.2430037	20	0.2469447	40	0.2092093	100	0.2125679
n-Butylbenzene	1	3.828595	5	3.634582	10	3.709242	20	3.943434	40	3.925798	100	3.932125
sec-Butylbenzene	1	5.065876	5	4.726209	10	4.583853	20	4.950331	40	4.746196	100	4.795626
tert-Butylbenzene	1	3.416013	5	3.180229	10	3.050788	20	3.158864	40	3.077914	100	3.094667
Carbon Disulfide	1	1.238511	5	0.8312135	10	0.7853969	20	0.8123505	40	0.8929803	100	0.9118828
Carbon Tetrachloride	1	0.3100171	5	0.3212979	10	0.3179413	20	0.3476109	40	0.3595459	100	0.3718724
Chlorobenzene	1	1.93848	5	1.272246	10	1.273325	20	1.294111	40	1.241011	100	1.21584
Chloroethane	1	~~2.809316~~	5	0.3055527	10	0.262118	20	0.2863704	40	0.2465543	100	0.2447955
2-Chloroethyl Vinyl Ether	1	0.1536065	5	0.113174	10	9.803086E-02	20	0.1014919	40	0.1223666	100	0.1285162
Chloroform	1	0.9217947	5	0.5913085	10	0.5581665	20	0.5719061	40	0.5563913	100	0.5557483
1-Chlorohexane	1	0.6324773	5	0.5295959	10	0.491921	20	0.5195143	40	0.4931816	100	0.4850535
Chloromethane	1	~~5.584437~~	5	0.5671864	10	0.4810883	20	0.5086608	40	0.4227483	100	0.4228923
2-Chlorotoluene	1	1.208675	5	1.042891	10	1.018361	20	1.034944	40	0.989808	100	1.017855
4-Chlorotoluene	1	4.36351	5	3.614742	10	3.527683	20	3.634189	40	3.520306	100	3.558856
Cyclohexane	1	0.6363141	5	0.6179779	10	0.5705483	20	0.6076136	40	0.5827472	100	0.5861408
1,2-Dibromo-3-chloropropane	1	~~0.3465318~~	5	0.167482	10	0.1662655	20	0.1856312	40	0.1829492	100	0.1909804
Dibromochloromethane	1	0.5995251	5	0.3428972	10	0.3577641	20	0.3751858	40	0.3859593	100	0.401688
1,2-Dibromoethane	1	0.6234696	5	0.3333178	10	0.3408721	20	0.3630442	40	0.3478799	100	0.350443
Dibromomethane	1	0.3386041	5	0.1861558	10	0.1845277	20	0.1937236	40	0.1898001	100	0.1880055
trans-1,4-Dichloro-2-butene	1	0.5428223	5	0.2877128	10	0.2789106	20	0.2671235	40	0.2680121	100	0.2817034
1,2-Dichlorobenzene	1	2.607128	5	1.914589	10	1.830596	20	1.909222	40	1.811931	100	1.824462
1,3-Dichlorobenzene	1	2.672714	5	2.022203	10	1.937317	20	2.037689	40	1.984616	100	1.973211
1,4-Dichlorobenzene	1	2.665969	5	2.109531	10	2.01973	20	2.064259	40	1.995441	100	1.970412

INITIAL CALIBRATION DATA
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Calibration: 4J01002

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration Date: 09/30/14 00:00
Instrument: 350

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
Dichlorodifluoromethane	1	0.5384795	5	0.4108627	10	0.3589316	20	0.3847976	40	0.3438795	100	0.3377291
1,1-Dichloroethane	1	0.850444	5	0.5870688	10	0.5652011	20	0.5906386	40	0.5699029	100	0.5710427
1,2-Dichloroethane	1	0.7576725	5	0.3949294	10	0.3924592	20	0.4055173	40	0.3888626	100	0.3893536
1,1-Dichloroethene	1	0.3368905	5	0.305433	10	0.2830203	20	0.2886004	40	0.2784941	100	0.2764095
cis-1,2-Dichloroethene	1	0.5598224	5	0.3502752	10	0.3348311	20	0.3577234	40	0.3362573	100	0.3460096
trans-1,2-Dichloroethene	1	0.4683751	5	0.3381885	10	0.3037966	20	0.3264717	40	0.3181024	100	0.3128414
1,2-Dichloroethene (Total)	2	0.5140988	10	0.3442319	20	0.3193138	40	0.3420975	80	0.3271799	200	0.3294255
Dichlorofluoromethane	1	0.8784857	5	0.6746504	10	0.64055	20	0.6612542	40	0.6190972	100	0.6212723
1,2-Dichloropropane	1	0.5482941	5	0.344702	10	0.3521069	20	0.3544556	40	0.3355096	100	0.3377316
1,3-Dichloropropane	1	1.181605	5	0.7090728	10	0.6845595	20	0.7253389	40	0.6942896	100	0.6903153
2,2-Dichloropropane	1	0.4063717	5	0.3574042	10	0.3503273	20	0.3504238	40	0.3429327	100	0.3588149
1,1-Dichloropropene	1	0.5074778	5	0.4642015	10	0.4520685	20	0.4635341	40	0.4497555	100	0.4483435
cis-1,3-Dichloropropene	1	0.5928494	5	0.4087257	10	0.395859	20	0.4166853	40	0.4187382	100	0.4583886
trans-1,3-Dichloropropene	1	0.479436	5	0.2969706	10	0.2950328	20	0.3234644	40	0.3168703	100	0.3444406
1,3-Dichloropropene (Total)	2	0.5361427	10	0.3528482	20	0.3454459	40	0.3700748	80	0.3678042	200	0.4014146
Ethylbenzene	1	2.666849	5	2.234875	10	2.210213	20	2.324746	40	2.253605	100	2.228351
Ethyl Ether	1	0.4745287	5	0.2077991	10	0.201367	20	0.2021757	40	0.1957298	100	0.1987949
Hexachlorobutadiene	1	0.7842316	5	0.7415718	10	0.7548617	20	0.8173047	40	0.8073063	100	0.8026263
Hexachloroethane	1	0.4125821	5	0.4179876	10	0.3780563	20	0.4351392	40	0.4237448	100	0.4635064
2-Hexanone	1	~~0.5007825~~	5	0.3290493	10	0.3118005	20	0.3179028	40	0.3434245	100	0.3298217
Iodomethane	1	~~0.5559277~~	5	0.2810887	10	0.2922458	20	0.3253633	40	0.367956	100	0.3952157
Isopropylbenzene	1	4.793069	5	4.290409	10	4.071037	20	4.362703	40	4.286302	100	4.324001
4-Isopropyltoluene	1	4.485842	5	4.072905	10	3.813415	20	4.077276	40	3.912538	100	3.946991
Methyl Acetate	1	~~0.8850288~~	5	0.3159982	10	0.2445399	20	0.2525618	40	0.2554247	100	0.2505508
Methyl tert-Butyl Ether	1	~~1.989406~~	5	0.8749273	10	0.8341018	20	0.8756665	40	0.8461358	100	0.8412837
Methylcyclohexane	1	0.6990185	5	0.6365781	10	0.5957738	20	0.6316584	40	0.6058851	100	0.6008823
Methylene Chloride	1	~~5.435348~~	5	1.372773	10	0.8789703	20	0.6797438	40	0.5282062	100	0.4683696
2-Butanone (MEK)	1	~~0.7598536~~	5	0.3309741	10	0.1684606	20	0.1710256	40	0.1669598	100	0.1598024
2-Methylnaphthalene	1	0.4865399	5	0.3899338	10	0.3820919	20	0.4387821	40	0.5268585	100	0.7007233
4-Methyl-2-pentanone (MIBK)	1	~~0.442047~~	5	0.2780456	10	0.2928166	20	0.2950212	40	0.3151778	100	0.3169669
Naphthalene	1	2.322926	5	1.288201	10	1.476022	20	1.779584	40	2.033846	100	2.475769

INITIAL CALIBRATION DATA
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Calibration: 4J01002
Calibration Date: 09/30/14 00:00
Instrument: 350

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
n-Propylbenzene	1	1.397291	5	1.147833	10	1.158288	20	1.186631	40	1.152648	100	1.170871
Styrene	1	1.679879	5	1.326868	10	1.365663	20	1.403184	40	1.353782	100	1.35736
1,1,1,2-Tetrachloroethane	1	0.5158333	5	0.3585319	10	0.3580178	20	0.3839608	40	0.3900792	100	0.3929932
1,1,2,2-Tetrachloroethane	1	2.268271	5	1.126014	10	1.06745	20	1.172633	40	1.108108	100	1.073218
Tetrachloroethene	1	0.6330474	5	0.5552319	10	0.517851	20	0.5398364	40	0.52696	100	0.5097997
Tetrahydrofuran	1	~~0.1083502~~	5	4.509864E-02	10	3.555067E-02	20	4.392994E-02	40	3.994396E-02	100	3.958236E-02
Toluene	1	1.837981	5	1.410452	10	1.410795	20	1.418825	40	1.374109	100	1.394836
1,2,3-Trichlorobenzene	1	0.8760974	5	0.7315278	10	0.8069244	20	0.8695907	40	0.9373143	100	1.079747
1,2,4-Trichlorobenzene	1	0.9807547	5	0.8592298	10	0.9681865	20	1.071105	40	1.113019	100	1.234086
1,1,1-Trichloroethane	1	0.4633899	5	0.4483537	10	0.4309648	20	0.4525605	40	0.4335202	100	0.4420148
1,1,2-Trichloroethane	1	0.4397102	5	0.2380928	10	0.2266261	20	0.2359843	40	0.233722	100	0.2328832
Trichloroethene	1	0.4182116	5	0.3382227	10	0.3253201	20	0.3381519	40	0.3357467	100	0.3382614
Trichlorofluoromethane	1	1.216778	5	0.5725203	10	0.515959	20	0.5646286	40	0.5270384	100	0.5110646
1,2,3-Trichloropropane	1	0.5307285	5	0.295184	10	0.2882328	20	0.2980111	40	0.2953479	100	0.2980048
1,1,2-Trichloro-1,2,2-trifluoroe	1	0.389313	5	0.3566862	10	0.3171187	20	0.3389291	40	0.3197366	100	0.3179535
1,2,4-Trimethylbenzene	1	4.505611	5	3.616325	10	3.529029	20	3.67212	40	3.594413	100	3.619377
1,3,5-Trimethylbenzene	1	3.998605	5	3.636067	10	3.518125	20	3.827896	40	3.71127	100	3.679701
Vinyl Acetate	1	~~0.8508335~~	5	0.4485246	10	0.4792751	20	0.4839491	40	0.5331268	100	0.4745044
Vinyl Chloride	1	~~2.477099~~	5	0.4799467	10	0.4240897	20	0.4715182	40	0.4212628	100	0.4209667
Xylene, Meta + Para	2	1.041929	10	0.8491154	20	0.8235859	40	0.8601914	80	0.8340472	200	0.8181984
Xylene, Ortho	1	0.9748839	5	0.8022608	10	0.7874941	20	0.8246359	40	0.7899425	100	0.7863761
Xylene (Total)	3	1.01958	15	0.8334972	30	0.8115553	60	0.8483396	120	0.8193456	300	0.807591
Dibromofluoromethane	40	0.2488452	40	0.2514873	40	0.2485798	40	0.2469513	40	0.2496457	40	0.2539144
1,2-Dichloroethane-d4	40	0.138497	40	0.1457414	40	0.1426497	40	0.1435539	40	0.1411647	40	0.1475261
Toluene-d8	40	0.9537506	40	0.9617717	40	0.9632426	40	0.9704197	40	0.9666169	40	0.97675
4-Bromofluorobenzene	40	0.4977153	40	0.5178047	40	0.5122113	40	0.5087718	40	0.4980025	40	0.492747

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J01002

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 09/30/14 00:00

Instrument: 350

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
Acetone	200	0.1163432	400	0.1046416								
Acrolein	200	5.685236E-02	400	0								
Acrylonitrile	200	0.1412269	400	0								
Benzene	200	1.344606	400	0								
Bromobenzene	200	1.743525	400	0								
Bromochloromethane	200	0.2830366	400	0								
Bromodichloromethane	200	0.4101453	400	0								
Bromoform	200	0.2874535	400	0								
Bromomethane	200	0.2248628	400	~~1.941205E-02~~								
n-Butylbenzene	200	4.141816	400	0								
sec-Butylbenzene	200	4.981195	400	0								
tert-Butylbenzene	200	3.216855	400	0								
Carbon Disulfide	200	0.928234	400	0.9608775								
Carbon Tetrachloride	200	0.4037922	400	0								
Chlorobenzene	200	1.300098	400	0								
Chloroethane	200	0.2567361	400	0								
2-Chloroethyl Vinyl Ether	200	0.1335035	400	0.1264568								
Chloroform	200	0.5790422	400	0								
1-Chlorohexane	200	0.5196719	400	0								
Chloromethane	200	0.4440223	400	~~8.247567E-03~~								
2-Chlorotoluene	200	1.04413	400	0								
4-Chlorotoluene	200	3.650478	400	0								
Cyclohexane	200	0.6224497	400	0								
1,2-Dibromo-3-chloropropane	200	0.2253927	400	0								
Dibromochloromethane	200	0.440491	400	0								
1,2-Dibromoethane	200	0.3838953	400	0								
Dibromomethane	200	0.19695	400	0								
trans-1,4-Dichloro-2-butene	200	0.3069448	400	0								
1,2-Dichlorobenzene	200	1.887245	400	0								
1,3-Dichlorobenzene	200	2.029745	400	0								
1,4-Dichlorobenzene	200	2.028246	400	0								

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J01002

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 09/30/14 00:00

Instrument: 350

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
Dichlorodifluoromethane	200	0.3636465	400	~~0~~								
1,1-Dichloroethane	200	0.6004204	400	~~0~~								
1,2-Dichloroethane	200	0.4064894	400	~~0~~								
1,1-Dichloroethene	200	0.2927256	400	~~0~~								
cis-1,2-Dichloroethene	200	0.3611016	400	~~0~~								
trans-1,2-Dichloroethene	200	0.3268357	400	~~0~~								
1,2-Dichloroethene (Total)	400	0.3439686	800	~~0~~								
Dichlorofluoromethane	200	0.6564799	400	~~0~~								
1,2-Dichloropropane	200	0.3491194	400	~~0~~								
1,3-Dichloropropane	200	0.7275844	400	~~0~~								
2,2-Dichloropropane	200	0.391755	400	~~0~~								
1,1-Dichloropropene	200	0.4672578	400	~~0~~								
cis-1,3-Dichloropropene	200	0.4889001	400	~~0~~								
trans-1,3-Dichloropropene	200	0.3828659	400	~~0~~								
1,3-Dichloropropene (Total)	400	0.435883	800	~~0~~								
Ethylbenzene	200	2.349411	400	~~0~~								
Ethyl Ether	200	0.2029413	400	~~0~~								
Hexachlorobutadiene	200	0.8774731	400	~~0~~								
Hexachloroethane	200	0.5079951	400	~~0~~								
2-Hexanone	200	0.3527621	400	0.3524336								
Iodomethane	200	0.4019523	400	0.3813868								
Isopropylbenzene	200	4.517763	400	~~0~~								
4-Isopropyltoluene	200	4.138329	400	~~0~~								
Methyl Acetate	200	0.2754988	400	~~7.121072E-03~~								
Methyl tert-Butyl Ether	200	0.8764208	400	~~0~~								
Methylcyclohexane	200	0.6465375	400	~~0~~								
Methylene Chloride	200	0.4660806	400	~~1.022242E-02~~								
2-Butanone (MEK)	200	0.1648565	400	0.1560436								
2-Methylnaphthalene	200	1.037592	400	~~0~~								
4-Methyl-2-pentanone (MIBK)	200	0.3255719	400	0.3225599								
Naphthalene	200	~~3.067001~~	400	~~0~~								

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J01002

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 09/30/14 00:00

Instrument: 350

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
n-Propylbenzene	200	1.207289	400	0								
Styrene	200	1.426614	400	0								
1,1,1,2-Tetrachloroethane	200	0.4229918	400	0								
1,1,2,2-Tetrachloroethane	200	1.151355	400	0								
Tetrachloroethene	200	0.5355848	400	0								
Tetrahydrofuran	200	4.564391E-02	400	0								
Toluene	200	1.448413	400	0								
1,2,3-Trichlorobenzene	200	1.272766	400	0								
1,2,4-Trichlorobenzene	200	1.398103	400	0								
1,1,1-Trichloroethane	200	0.4717558	400	0								
1,1,2-Trichloroethane	200	0.246015	400	0								
Trichloroethene	200	0.3429346	400	0								
Trichlorofluoromethane	200	0.5455465	400	0								
1,2,3-Trichloropropane	200	0.3140588	400	0								
1,1,2-Trichloro-1,2,2-trifluoroe	200	0.3344921	400	0								
1,2,4-Trimethylbenzene	200	3.726395	400	0								
1,3,5-Trimethylbenzene	200	3.82122	400	0								
Vinyl Acetate	200	0.5547774	400	0.5121436								
Vinyl Chloride	200	0.4459213	400	0								
Xylene, Meta + Para	400	0.864867	800	0								
Xylene, Ortho	200	0.8237075	400	0								
Xylene (Total)	600	0.8511472	1200	0								
Dibromofluoromethane	40	0.2575835	40	0.2553226								
1,2-Dichloroethane-d4	40	0.1428178	40	0.1458183								
Toluene-d8	40	0.9871491	40	0.9903319								
4-Bromofluorobenzene	40	0.4992687	40	0.4851231								

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J01002

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 09/30/14 00:00

Instrument: 350

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Acetone	0.1993202	62.51645	2.228429	0.1433661	0.99867		SPCC (0.1)	
Acrolein	5.685128E-02	7.022984	2.087	0.1586208			SPCC (0.1)	*
Acrylonitrile	0.1342109	4.286797	2.884	0.0130273			SPCC (0.1)	
Benzene	1.397975	14.33144	5.761	3.139485E-02			SPCC (0.5)	
Bromobenzene	1.818006	16.66775	12.24214	2.252228E-02			SPCC (0.1)	
Bromochloromethane	0.3148856	31.60802	4.613143	1.000411E-02	0.99946		SPCC (0.1)	
Bromodichloromethane	0.4073793	16.91191	7.648143	1.255347E-02			SPCC (0.2)	
Bromoform	0.2604077	14.93839	11.65314	1.479807E-02			SPCC (0.1)	
Bromomethane	0.2371571	12.05568	1.49	2.352917E-02			SPCC (0.1)	
n-Butylbenzene	3.873656	4.334307	14.048	1.629623E-03			SPCC (0.1)	
sec-Butylbenzene	4.835612	3.504632	13.342	2.186489E-02			SPCC (0.1)	
tert-Butylbenzene	3.170761	3.890603	13.06671	3.073102E-03			SPCC (0.1)	
Carbon Disulfide	0.9201808	15.45497	2.337	1.743109E-02			SPCC (0.1)	
Carbon Tetrachloride	0.3474397	9.741436	5.380571	5.947381E-02			SPCC (0.1)	
Chlorobenzene	1.362159	18.78112	10.59771	2.460328E-02			SPCC (0.5)	
Chloroethane	0.2670212	9.021952	1.560167	1.143735E-02			SPCC (0.1)	
2-Chloroethyl Vinyl Ether	0.1221433	14.73223	8.16075	1.422198E-02			SPCC (0.1)	
Chloroform	0.6191939	21.6562	4.805429	6.327247E-02	0.99956		SPCC (0.2)	
1-Chlorohexane	0.5244879	9.637871	10.63871	2.669195E-02			SPCC (0.1)	
Chloromethane	0.4744331	11.95004	1.19	8.336674E-03			SPCC (0.1)	
2-Chlorotoluene	1.050952	6.854936	12.507	6.641934E-03			SPCC (0.1)	
4-Chlorotoluene	3.695681	8.088007	12.65057	1.715266E-02			SPCC (0.1)	
Cyclohexane	0.6033988	3.991356	5.160143	1.704966E-02			SPCC (0.1)	
1,2-Dibromo-3-chloropropane	0.1864502	11.54603	14.98417	1.450243E-02			SPCC (0.05)	
Dibromochloromethane	0.4147872	21.05884	9.825	1.947327E-02	0.99805		SPCC (0.1)	
1,2-Dibromoethane	0.391846	26.40108	9.936286	1.651811E-02	0.99809		SPCC (0.1)	
Dibromomethane	0.2111095	26.70832	7.366	1.556431E-02	0.99947		SPCC (0.1)	
trans-1,4-Dichloro-2-butene	0.3190328	31.21642	12.39	1.950056E-02	0.99803		SPCC (0.1)	
1,2-Dichlorobenzene	1.96931	14.43925	14.007	1.384434E-02			SPCC (0.4)	
1,3-Dichlorobenzene	2.093928	12.30721	13.437	1.814868E-02			SPCC (0.6)	
1,4-Dichlorobenzene	2.121941	11.50567	13.554	2.004803E-02			SPCC (0.5)	
Dichlorodifluoromethane	0.3911895	17.77741	1.064429	0.286467			SPCC (0.1)	

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J01002

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 09/30/14 00:00

Instrument: 350

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
1,1-Dichloroethane	0.6192455	16.59204	3.384	1.904573E-02			SPCC (0.1)	
1,2-Dichloroethane	0.4478977	30.5396	5.825857	3.727213E-02	0.99949		SPCC (0.2)	
1,1-Dichloroethene	0.2945105	7.162308	2.156857	0.151931			SPCC (0.1)	
cis-1,2-Dichloroethene	0.3780029	21.37067	4.219857	5.008065E-02	0.99945		SPCC (0.1)	
trans-1,2-Dichloroethene	0.3420873	16.5952	2.888286	9.997072E-02			SPCC (0.1)	
1,2-Dichloroethene (Total)	0.3600451	19.05457	4.219857	5.008065E-02			SPCC (0.1)	
Dichlorofluoromethane	0.6788271	13.31731	1.707286	3.008197E-02			SPCC (0.1)	
1,2-Dichloropropane	0.3745599	20.5395	7.195143	1.325977E-02	0.99967		SPCC (0.1)	
1,3-Dichloropropane	0.7732522	23.38774	9.538	2.835269E-02	0.99931		SPCC (0.1)	
2,2-Dichloropropane	0.3654328	6.549292	4.204571	7.202082E-02			SPCC (0.1)	
1,1-Dichloropropene	0.4646627	4.382839	5.401143	8.521631E-03			SPCC (0.1)	
cis-1,3-Dichloropropene	0.4543066	15.19215	8.307	2.321506E-02			SPCC (0.2)	
trans-1,3-Dichloropropene	0.3484401	18.70342	9.102	2.917346E-02			SPCC (0.2)	
1,3-Dichloropropene (Total)	0.4013733	16.6954	9.102	2.917346E-02			SPCC (0.1)	
Ethylbenzene	2.324007	6.875373	10.77343	1.713998E-02			SPCC (0.1)	
Ethyl Ether	0.2404766	42.9456	1.980571	0.1621222	0.99979		SPCC (0.1)	
Hexachlorobutadiene	0.7979108	5.612108	16.242	6.80863E-03			SPCC (0.1)	
Hexachloroethane	0.4341445	9.542155	14.313	2.053173E-02			SPCC (0.1)	
2-Hexanone	0.3338849	4.85167	9.728143	2.761893E-02			SPCC (0.1)	
Iodomethane	0.3493155	14.18865	2.284	1.473909E-02			SPCC (0.1)	
Isopropylbenzene	4.377898	5.15231	11.91471	1.983316E-02			SPCC (0.1)	
4-Isopropyltoluene	4.0639	5.345564	13.53871	1.926442E-02			SPCC (0.1)	
Methyl Acetate	0.2657624	10.07035	2.531	1.157799E-02			SPCC (0.1)	
Methyl tert-Butyl Ether	0.8580893	2.289171	2.916167	0.120287			SPCC (0.1)	
Methylcyclohexane	0.6309048	5.670065	7.119	5.25393E-03			SPCC (0.1)	
Methylene Chloride	0.7323573	47.95315	2.607167	1.992458E-02	0.99931		SPCC (0.1)	
2-Butanone (MEK)	0.1883032	33.52089	4.315571	7.416092E-02	0.99930		SPCC (0.1)	
2-Methylnaphthalene	0.5660745	41.39171	17.695	1.683678E-02		0.9999725	SPCC (0.1)	
4-Methyl-2-pentanone (MIBK)	0.3065943	5.857494	8.584429	3.044499E-02			SPCC (0.1)	
Naphthalene	1.896058	24.70119	16.295	2.238509E-02	0.99434		SPCC (0.1)	
n-Propylbenzene	1.202979	7.329447	12.43614	1.791517E-02			SPCC (0.1)	
Styrene	1.416193	8.536771	11.454	2.005209E-02			SPCC (0.3)	

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J01002

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 09/30/14 00:00

Instrument: 350

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
1,1,1,2-Tetrachloroethane	0.4032012	13.49391	10.728	2.599029E-02			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	1.281007	34.11573	12.319	4.733912E-03	0.99879		SPCC (0.3)	
Tetrachloroethene	0.545473	7.585529	9.467714	3.175635E-02			SPCC (0.2)	
Tetrahydrofuran	4.162491E-02	9.453794	4.737833	0.1415164			SPCC (0.1)	*
Toluene	1.470773	11.11636	8.742143	2.147336E-02			SPCC (0.4)	
1,2,3-Trichlorobenzene	0.9391382	19.46369	16.595	2.082888E-02			SPCC (0.1)	
1,2,4-Trichlorobenzene	1.089212	16.6189	16.00529	2.670551E-02			SPCC (0.2)	
1,1,1-Trichloroethane	0.4489371	3.343261	5.084	9.912404E-03			SPCC (0.1)	
1,1,2-Trichloroethane	0.2647191	29.23335	9.330857	1.249449E-02	0.99926		SPCC (0.1)	
Trichloroethene	0.3481213	9.013292	6.855857	4.118274E-02			SPCC (0.2)	
Trichlorofluoromethane	0.6362193	40.40534	1.748	0.1270173	0.99888		SPCC (0.1)	
1,2,3-Trichloropropane	0.3313668	26.63468	12.34214	1.061215E-02	0.99931		SPCC (0.1)	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3391756	7.760628	2.162714	0.15718			SPCC (0.1)	
1,2,4-Trimethylbenzene	3.751896	9.00909	13.12771	0.0213513			SPCC (0.1)	
1,3,5-Trimethylbenzene	3.741841	4.164089	12.67171	0.020578			SPCC (0.1)	
Vinyl Acetate	0.498043	7.425226	3.498143	0.0954788			SPCC (0.1)	
Vinyl Chloride	0.4439509	5.957026	1.260333	4.364687E-02			SPCC (0.1)	
Xylene, Meta + Para	0.8702763	8.931205	10.93214	2.250863E-02			SPCC (0.1)	
Xylene, Ortho	0.827043	8.123422	11.42971	0.0222523			SPCC (0.3)	
Xylene (Total)	0.8558651	8.66636	11.42971	0.0222523			SPCC (0.1)	
Dibromofluoromethane	0.2515412	1.480983	5.105625	5.532871E-02			20	
1,2-Dichloroethane-d4	0.1434711	2.011092	5.68975	2.462135E-02			20	
Toluene-d8	0.9685287	1.125977	8.654143	0.0191217			20	
4-Bromofluorobenzene	0.5014555	2.144918	12.08313	2.355798E-02			20	

Method Path : C:\gcms\1\methods\
Method File : 8260S-16C.M
Title : 8260C : 5030 wtr
Last Update : Wed Oct 01 07:17:35 2014
Response Via : Initial Calibration

Calibration Files
1 =1P0930.D 2 =5P0930.D 3 =10P0930.D 4 =20P0930.D 5 =40P0930.D 6 =100P0930.D 7 =200P0930.D
8 =400P0930.D

		Compound	1	2	3	4	5	6	7	8	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)		dichlorodifluo...	0.538	0.411	0.359	0.385	0.344	0.338	0.364		0.391	17.78
3)	P	chloromethane		0.567	0.481	0.509	0.423	0.423	0.444		0.474	11.95
4)	C	vinyl chloride		0.480	0.424	0.472	0.421	0.421	0.446		0.444	5.96#
5)		bromomethane		0.286	0.243	0.247	0.209	0.213	0.225		0.237	12.06
6)		chloroethane		0.306	0.262	0.286	0.247	0.245	0.257		0.267	9.02
7)		dichlorofluoro...	0.878	0.675	0.641	0.661	0.619	0.621	0.656		0.679	13.32
8)		trichlorofluor...	1.217	0.573	0.516	0.565	0.527	0.511	0.546		0.636	40.41
9)		ethyl ether	0.475	0.208	0.201	0.202	0.196	0.199	0.203		0.240	42.95
10)		acrolein		0.064	0.058	0.055	0.055	0.052	0.057		0.057	7.02
11)		1,1,2-trichlor...	0.389	0.357	0.317	0.339	0.320	0.318	0.334		0.339	7.76
12)	C	1,1-dichloroet...	0.337	0.305	0.283	0.289	0.278	0.276	0.293		0.295	7.16#
13)		acetone		0.455	0.255	0.196	0.147	0.122	0.116	0.105	0.199	62.52
14)		iodomethane		0.281	0.292	0.325	0.368	0.395	0.402	0.381	0.349	14.19
15)		carbon disulfide	1.239	0.831	0.785	0.812	0.893	0.912	0.928	0.961	0.920	15.45
16)		methyl acetate		0.316	0.245	0.253	0.255	0.251	0.275		0.266	10.07
17)		methylene chlo...		1.373	0.879	0.680	0.528	0.468	0.466		0.732	47.95
18)		acrylonitrile		0.141	0.130	0.135	0.129	0.128	0.141		0.134	4.29
19)		trans-1,2-dich...	0.468	0.338	0.304	0.326	0.318	0.313	0.327		0.342	16.60
20)		methyl (tert) ...		0.875	0.834	0.876	0.846	0.841	0.876		0.858	2.29
21)	P	1,1-dichloroet...	0.850	0.587	0.565	0.591	0.570	0.571	0.600		0.619	16.59
22)		vinyl acetate		0.449	0.479	0.484	0.533	0.475	0.555	0.512	0.498	7.43
23)		2,2-dichloropr...	0.406	0.357	0.350	0.350	0.343	0.359	0.392		0.365	6.55
24)		cis-1,2-dichlo...	0.560	0.350	0.335	0.358	0.336	0.346	0.361		0.378	21.37
25)		2-butanone (MEK)		0.331	0.168	0.171	0.167	0.160	0.165	0.156	0.188	33.52
26)		bromochloromet...	0.540	0.288	0.272	0.277	0.272	0.271	0.283		0.315	31.61
27)		tetrahydrofuran		0.045	0.036	0.044	0.040	0.040	0.046		0.042	9.45
28)	C	chloroform	0.922	0.591	0.558	0.572	0.556	0.556	0.579		0.619	21.66#
29)	S	#Dibromofluoro...	0.249	0.251	0.249	0.247	0.250	0.254	0.258	0.255	0.252	1.48
30)		1,1,1-trichlor...	0.463	0.448	0.431	0.453	0.434	0.442	0.472		0.449	3.34
31)		cyclohexane	0.636	0.618	0.571	0.608	0.583	0.586	0.622		0.603	3.99
32)		carbon tetrach...	0.310	0.321	0.318	0.348	0.360	0.372	0.404		0.347	9.74
33)		1,1-dichloropr...	0.507	0.464	0.452	0.464	0.450	0.448	0.467		0.465	4.38
34)		benzene	1.848	1.355	1.291	1.348	1.291	1.307	1.345		1.398	14.33
35)		1,2-dichloroet...	0.758	0.395	0.392	0.406	0.389	0.389	0.406		0.448	30.54
36)		heptane									0.000	-1.00
37)	s	#1,2-Dichloroe...	0.138	0.146	0.143	0.144	0.141	0.148	0.143	0.146	0.143	2.01

KEW 10-1-14

001466

Method Path : C:\gcms\1\methods\
Method File : 8260S-16C.M
Title : 8260C : 5030 wtr

38)		trichloroethene	0.418	0.338	0.325	0.338	0.336	0.338	0.343		0.348	9.01
39)		methylcyclohexane	0.699	0.637	0.596	0.632	0.606	0.601	0.647		0.631	5.67
40)	C	1,2-dichloropr...	0.548	0.345	0.352	0.354	0.336	0.338	0.349		0.375	20.54#
41)		dibromomethane	0.339	0.186	0.185	0.194	0.190	0.188	0.197		0.211	26.71
42)		bromodichlorom...	0.560	0.383	0.364	0.376	0.370	0.389	0.410		0.407	16.91
43)		2-chloroethyl ...	0.154	0.113	0.098	0.101	0.122	0.129	0.134	0.126	0.122	14.73
44)		cis-1,3-dichlo...	0.593	0.409	0.396	0.417	0.419	0.458	0.489		0.454	15.19
45)		4-methyl-2-pen...		0.278	0.293	0.295	0.315	0.317	0.326	0.323	0.307	5.86
46)	s	#Toluene-d8	0.954	0.962	0.963	0.970	0.967	0.977	0.987	0.990	0.971	1.31
47)	C	toluene	1.838	1.410	1.411	1.419	1.374	1.395	1.448		1.471	11.12#
48)		trans-1,3-dich...	0.479	0.297	0.295	0.323	0.317	0.344	0.383		0.348	18.70
49)		1,1,2-trichlor...	0.440	0.238	0.227	0.236	0.234	0.233	0.246		0.265	29.23
50)		Chlorobenzene-d5	----------	ISTD	----------							
51)		tetrachloroethene	0.633	0.555	0.518	0.540	0.527	0.510	0.536		0.545	7.59
52)		1,3-dichloropr...	1.182	0.709	0.685	0.725	0.694	0.690	0.728		0.773	23.39
53)		2-hexanone (MBK)		0.329	0.312	0.318	0.343	0.330	0.353	0.352	0.334	4.85
54)		dibromochlorom...	0.600	0.343	0.358	0.375	0.386	0.402	0.440		0.415	21.06
55)		1,2-dibromoethane	0.623	0.333	0.341	0.363	0.348	0.350	0.384		0.392	26.40
56)	P	chlorobenzene	1.938	1.272	1.273	1.294	1.241	1.216	1.300		1.362	18.78
57)		1-chlorohexane	0.632	0.530	0.492	0.520	0.493	0.485	0.520		0.524	9.64
58)		1,1,1,2-tetrac...	0.516	0.359	0.358	0.384	0.390	0.393	0.423		0.403	13.49
59)	C	ethylbenzene	2.667	2.235	2.210	2.325	2.254	2.228	2.349		2.324	6.88#
60)		m+p-xylene	1.042	0.849	0.824	0.860	0.834	0.818	0.865		0.870	8.93
61)		o-xylene	0.975	0.802	0.787	0.825	0.790	0.786	0.824		0.827	8.12
62)		styrene	1.680	1.327	1.366	1.403	1.354	1.357	1.427		1.416	8.54
63)	P	bromoform	0.333	0.219	0.229	0.254	0.245	0.255	0.287		0.260	14.94
64)	S	#4-Bromofluoro...	0.498	0.518	0.512	0.509	0.498	0.493	0.499	0.485	0.501	2.14
65)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
66)		isopropylbenzene	4.793	4.290	4.071	4.363	4.286	4.324	4.518		4.378	5.15
67)		bromobenzene	2.501	1.759	1.671	1.693	1.666	1.694	1.744		1.818	16.67
68)	P	1,1,2,2-tetrac...	2.268	1.126	1.067	1.173	1.108	1.073	1.151		1.281	34.12
69)		1,2,3-trichlor...	0.531	0.295	0.288	0.298	0.295	0.298	0.314		0.331	26.63
70)		1,4-dichloro-2...	0.543	0.288	0.279	0.267	0.268	0.282	0.307		0.319	31.22
71)		n-propylbenzene	1.397	1.148	1.158	1.187	1.153	1.171	1.207		1.203	7.33
72)		2-chlorotoluene	1.209	1.043	1.018	1.035	0.990	1.018	1.044		1.051	6.85
73)		1,3,5-trimethy...	3.999	3.636	3.518	3.828	3.711	3.680	3.821		3.742	4.16
74)		4-chlorotoluene	4.364	3.615	3.528	3.634	3.520	3.559	3.650		3.696	8.09
75)		tert-butylbenzene	3.416	3.180	3.051	3.159	3.078	3.095	3.217		3.171	3.89
76)		1,2,4-trimethy...	4.506	3.616	3.529	3.672	3.594	3.619	3.726		3.752	9.01
77)		sec-butylbenzene	5.066	4.726	4.584	4.950	4.746	4.796	4.981		4.836	3.50
78)		1,3-dichlorobe...	2.673	2.022	1.937	2.038	1.985	1.973	2.030		2.094	12.31
79)		4-isopropyltol...	4.486	4.073	3.813	4.077	3.913	3.947	4.138		4.064	5.35
80)		1,4-dichlorobe...	2.666	2.110	2.020	2.064	1.995	1.970	2.028		2.122	11.51
81)		1,2-dichlorobe...	2.607	1.915	1.831	1.909	1.812	1.824	1.887		1.969	14.44
82)		n-butylbenzene	3.829	3.635	3.709	3.943	3.926	3.932	4.142		3.874	4.33

001467

Method Path : C:\gcms\1\methods\
Method File : 8260S-16C.M
Title : 8260C : 5030 wtr

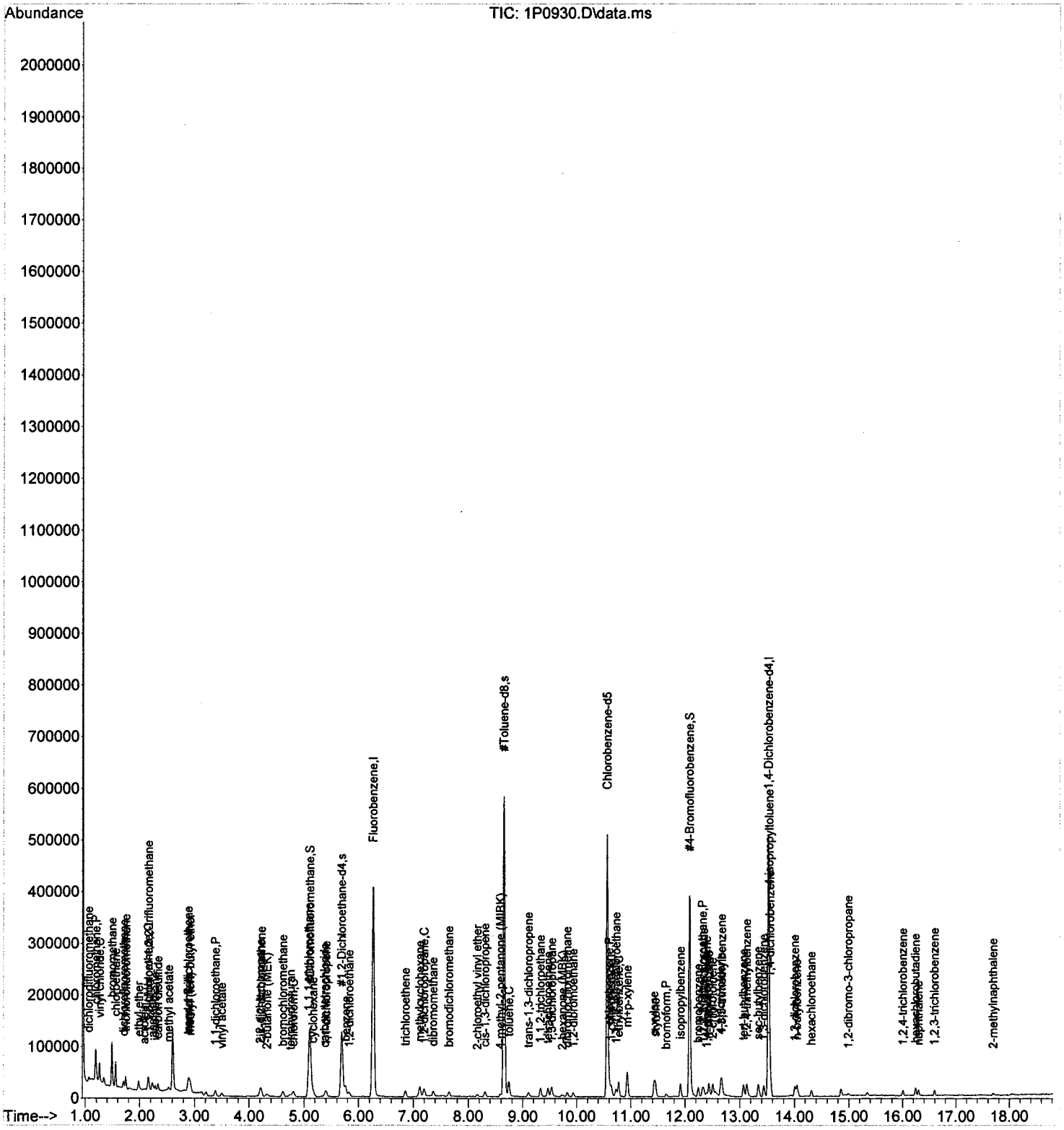
83)	hexachloroethane	0.413	0.418	0.378	0.435	0.424	0.464	0.508	0.434	9.54
84)	1,2-dibromo-3-...		0.167	0.166	0.186	0.183	0.191	0.225	0.186	11.55
85)	1,2,4-trichlor...	0.981	0.859	0.968	1.071	1.113	1.234	1.398	1.089	16.62
86)	hexachlorobuta...	0.784	0.742	0.755	0.817	0.807	0.803	0.877	0.798	5.61
87)	naphthalene	2.323	1.288	1.476	1.780	2.034	2.476		1.896	24.70
88)	1,2,3-trichlor...	0.876	0.732	0.807	0.870	0.937	1.080	1.273	0.939	19.46
89)	2-methylnaphth...	0.487	0.390	0.382	0.439	0.527	0.701	1.038	0.566	41.39

(#) = Out of Range

001468

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1P0930.D
Acq On : 30 Sep 2014 09:19
Operator : DLV
Sample : STD1
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Sep 30 10:06:26 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration



001469

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1P0930.D
Acq On : 30 Sep 2014 09:19
Operator : DLV
Sample : STD1
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Sep 30 10:06:26 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	513520	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	350811	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	171990	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	127787	39.33	ug/L		0.00
Spiked Amount 40.000			Recovery =	98.32%			
37) #1,2-Dichloroethane-d4	5.690	67	71121	37.06	ug/L		0.00
Spiked Amount 40.000			Recovery =	92.65%			
46) #Toluene-d8	8.654	98	489770	39.12	ug/L		0.00
Spiked Amount 40.000			Recovery =	97.80%			
64) #4-Bromofluorobenzene	12.083	95	174604	38.25	ug/L		0.00
Spiked Amount 40.000			Recovery =	95.63%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.060	85	6913	1.82	ug/L		96
3) chloromethane	1.190	50	71693	10.78	ug/L		99
4) vinyl chloride	1.260	62	31801	6.88	ug/L		91
5) bromomethane	1.490	94	44868	17.10	ug/L		92
6) chloroethane	1.560	64	36066	13.35	ug/L		98
7) dichlorofluoromethane	1.707	67	11278	1.50	ug/L	#	87
8) trichlorofluoromethane	1.749	101	15621	2.35	ug/L		99
9) ethyl ether	1.984	74	6092	2.52	ug/L		91
10) acrolein	2.084	56	2868	1.90	ug/L	#	76
11) 1,1,2-trichloro-1,2,2-...	2.160	101	4998	1.26	ug/L		94
12) 1,1-dichloroethene	2.154	96	4325	1.19	ug/L		87
13) acetone	2.231	43	23318	9.85	ug/L		92
14) iodomethane	2.284	142	7137	2.37	ug/L		97
15) carbon disulfide	2.337	76	15900	1.50	ug/L	#	88
16) methyl acetate	2.531	43	11362	3.49	ug/L		98
17) methylene chloride	2.607	49	69779	Below Cal			97
18) acrylonitrile	2.890	53	6086	3.89	ug/L		94
19) trans-1,2-dichloroethene	2.884	96	6013	1.50	ug/L		96
20) methyl (tert) butyl ether	2.919	73	25540	2.31	ug/L		94
21) 1,1-dichloroethane	3.384	63	10918	1.32	ug/L		94
22) vinyl acetate	3.501	43	10923	1.26	ug/L		98
23) 2,2-dichloropropane	4.207	77	5217	0.87	ug/L		89
24) cis-1,2-dichloroethene	4.219	96	7187	1.50	ug/L		94
25) 2-butanone (MEK)	4.325	43	9755	4.46	ug/L		94
26) bromochloromethane	4.613	49	6934	1.61	ug/L		90
27) tetrahydrofuran	4.754	71	1391	3.36	ug/L	#	74
28) chloroform	4.807	83	11834	1.49	ug/L		94
30) 1,1,1-trichloroethane	5.084	97	5949	0.92	ug/L		92
31) cyclohexane	5.160	56	8169	1.00	ug/L		95
32) carbon tetrachloride	5.378	117	3980	0.78	ug/L		94
33) 1,1-dichloropropene	5.401	75	6515	1.03	ug/L		96
34) benzene	5.766	78	23727	1.31	ug/L	#	78
35) 1,2-dichloroethane	5.831	62	9727	1.60	ug/L		97
36) heptane	0.000		0	N.D.			
38) trichloroethene	6.860	130	5369	1.13	ug/L		92

001470

Quantitation Report (Not Reviewed)

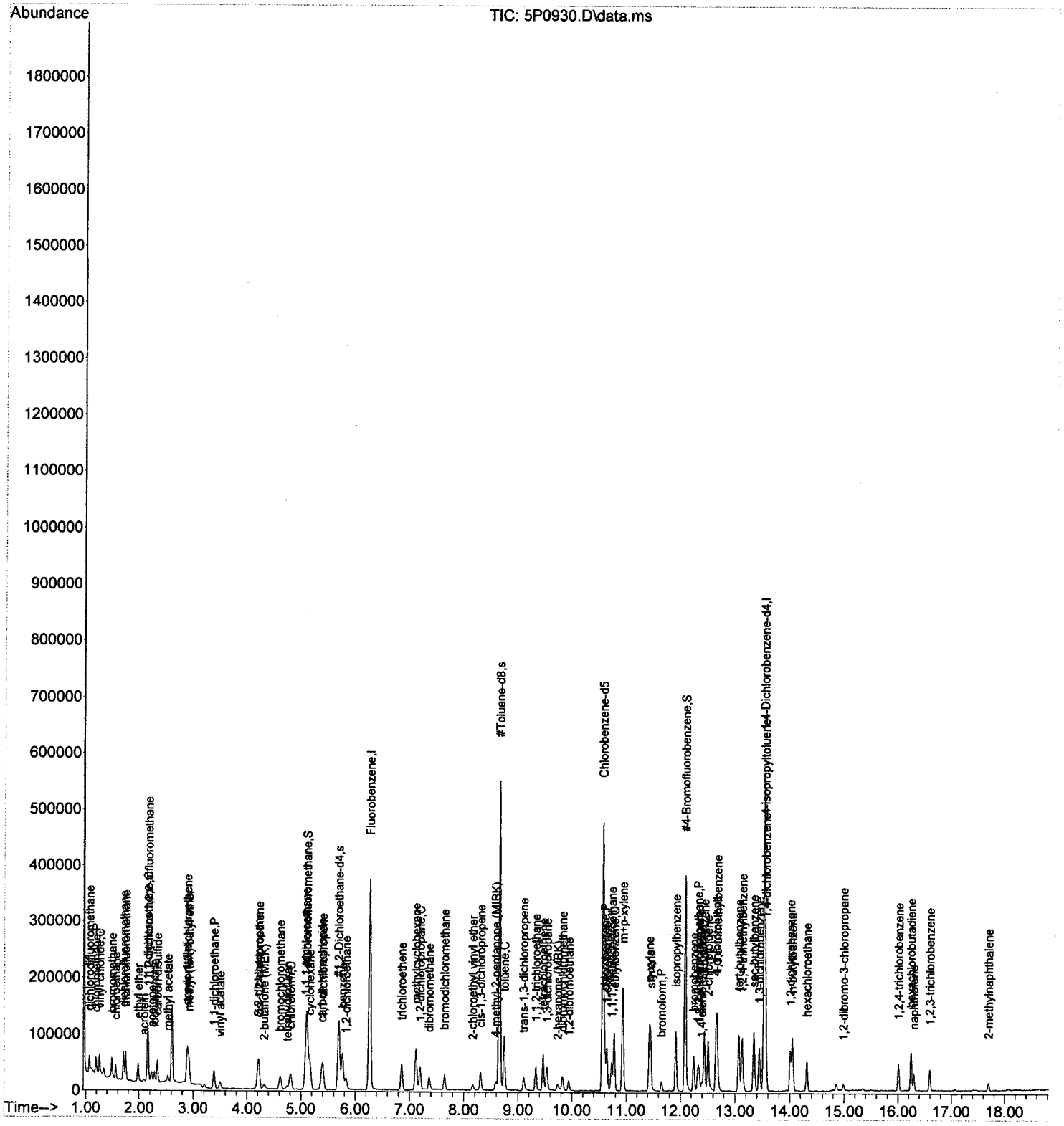
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1P0930.D
Acq On : 30 Sep 2014 09:19
Operator : DLV
Sample : STD1
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Sep 30 10:06:26 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	8974	1.08 ug/L	97
40) 1,2-dichloropropane	7.195	63	7039	1.43 ug/L	89
41) dibromomethane	7.366	93	4347	1.67 ug/L	93
42) bromodichloromethane	7.648	83	7188	1.34 ug/L	99
43) 2-chloroethyl vinyl ether	8.166	63	1972	2.09 ug/L	96
44) cis-1,3-dichloropropene	8.307	75	7611	1.14 ug/L	93
45) 4-methyl-2-pentanone (...	8.589	43	5675	1.30 ug/L #	86
47) toluene	8.742	91	23596	1.20 ug/L	97
48) trans-1,3-dichloropropene	9.107	75	6155	1.14 ug/L	81
49) 1,1,2-trichloroethane	9.331	83	5645	1.73 ug/L	90
51) tetrachloroethene	9.472	166	5552	0.99 ug/L	94
52) 1,3-dichloropropane	9.542	76	10363	1.60 ug/L	94
53) 2-hexanone (MBK)	9.736	43	4392	1.36 ug/L	89
54) dibromochloromethane	9.825	129	5258	1.43 ug/L	92
55) 1,2-dibromoethane	9.936	109	5468	1.58 ug/L #	100
56) chlorobenzene	10.601	112	17001	1.43 ug/L #	79
57) 1-chlorohexane	10.642	55	5547	1.17 ug/L	88
58) 1,1,1,2-tetrachloroethane	10.730	131	4524	1.26 ug/L	88
59) ethylbenzene	10.777	91	23389	1.13 ug/L	99
60) m+p-xylene	10.936	106	18276	2.35 ug/L	90
61) o-xylene	11.430	106	8550	1.15 ug/L	94
62) styrene	11.454	104	14733	1.16 ug/L	98
63) bromoform	11.654	173	2924	1.17 ug/L	91
66) isopropylbenzene	11.919	105	20609	1.09 ug/L	98
67) bromobenzene	12.242	77	10752	1.39 ug/L	85
68) 1,1,2,2-tetrachloroethane	12.319	83	9753	2.02 ug/L #	94
69) 1,2,3-trichloropropane	12.342	110	2282	1.69 ug/L #	74
70) 1,4-dichloro-2-butene	12.395	53	2334	1.82 ug/L #	22
71) n-propylbenzene	12.436	120	6008	1.14 ug/L	93
72) 2-chlorotoluene	12.507	126	5197	1.18 ug/L #	87
73) 1,3,5-trimethylbenzene	12.671	105	17193	1.05 ug/L	95
74) 4-chlorotoluene	12.654	91	18762	1.16 ug/L	96
75) tert-butylbenzene	13.071	119	14688	1.05 ug/L	98
76) 1,2,4-trimethylbenzene	13.130	105	19373	1.18 ug/L	91
77) sec-butylbenzene	13.342	105	21782	1.05 ug/L	98
78) 1,3-dichlorobenzene	13.436	146	11492	1.20 ug/L	97
79) 4-isopropyltoluene	13.542	119	19288	1.09 ug/L	97
80) 1,4-dichlorobenzene	13.554	146	11463	1.19 ug/L #	79
81) 1,2-dichlorobenzene	14.007	146	11210	1.28 ug/L	96
82) n-butylbenzene	14.048	91	16462	0.96 ug/L	95
83) hexachloroethane	14.313	201	1774	1.02 ug/L #	68
84) 1,2-dibromo-3-chloropr...	14.989	157	1490	1.79 ug/L	93
85) 1,2,4-trichlorobenzene	16.007	180	4217	0.75 ug/L	90
86) hexachlorobutadiene	16.242	225	3372	0.82 ug/L	99
87) naphthalene	16.295	128	9988	1.08 ug/L	97
88) 1,2,3-trichlorobenzene	16.595	180	3767	0.82 ug/L	93
89) 2-methylnaphthalene	17.695	142	2092	0.91 ug/L	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 5P0930.D
Acq On : 30 Sep 2014 09:43
Operator : DLV
Sample : STD2
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Sep 30 10:06:38 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration



8260S-15.M Tue Sep 30 16:11:33 2014

001472

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 5P0930.D
Acq On : 30 Sep 2014 09:43
Operator : DLV
Sample : STD2
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Sep 30 10:06:38 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	467952	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	322359	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	161689	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	117684	39.74	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.35%		
37) #1,2-Dichloroethane-d4	5.690	67	68200	39.00	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.50%		
46) #Toluene-d8	8.654	98	450063	39.45	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.63%		
64) #4-Bromofluorobenzene	12.083	95	166919	39.80	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.50%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	24033	6.96	ug/L	95
3) chloromethane	1.190	50	33177	5.47	ug/L	100
4) vinyl chloride	1.260	62	28074	6.67	ug/L	94
5) bromomethane	1.490	94	16750	7.01	ug/L	100
6) chloroethane	1.560	64	17873	7.26	ug/L	98
7) dichlorofluoromethane	1.707	67	39463	5.77	ug/L	99
8) trichlorofluoromethane	1.749	101	33489	5.52	ug/L	99
9) ethyl ether	1.984	74	12155	5.51	ug/L #	89
10) acrolein	2.090	56	3746	3.83	ug/L #	79
11) 1,1,2-trichloro-1,2,2-...	2.166	101	20864	5.77	ug/L	95
12) 1,1-dichloroethene	2.160	96	17866	5.41	ug/L	96
13) acetone	2.231	43	26619	14.53	ug/L	92
14) iodomethane	2.284	142	16442	6.00	ug/L	99
15) carbon disulfide	2.337	76	48621	5.03	ug/L	95
16) methyl acetate	2.531	43	18484	6.22	ug/L	92
17) methylene chloride	2.607	49	80299	Below Cal		99
18) acrylonitrile	2.884	53	8236	5.77	ug/L	86
19) trans-1,2-dichloroethene	2.890	96	19782	5.42	ug/L	96
20) methyl (tert) butyl ether	2.919	73	51178	5.08	ug/L	98
21) 1,1-dichloroethane	3.384	63	34340	4.56	ug/L	99
22) vinyl acetate	3.501	43	26236	3.32	ug/L	98
23) 2,2-dichloropropane	4.207	77	20906	3.82	ug/L	99
24) cis-1,2-dichloroethene	4.225	96	20489	4.69	ug/L	94
25) 2-butanone (MEK)	4.319	43	19360	9.72	ug/L	87
26) bromochloromethane	4.613	49	16872	4.30	ug/L	94
27) tetrahydrofuran	4.748	71	2638	6.05	ug/L	96
28) chloroform	4.807	83	34588	4.78	ug/L	94
30) 1,1,1-trichloroethane	5.084	97	26226	4.45	ug/L	98
31) cyclohexane	5.160	56	36148	4.88	ug/L	96
32) carbon tetrachloride	5.384	117	18794	4.04	ug/L	94
33) 1,1-dichloropropene	5.401	75	27153	4.72	ug/L	98
34) benzene	5.760	78	79246	4.80	ug/L	98
35) 1,2-dichloroethane	5.825	62	23101	4.18	ug/L	97
36) heptane	0.000		0	N.D.		
38) trichloroethene	6.860	130	19784	4.55	ug/L	96

Quantitation Report (Not Reviewed)

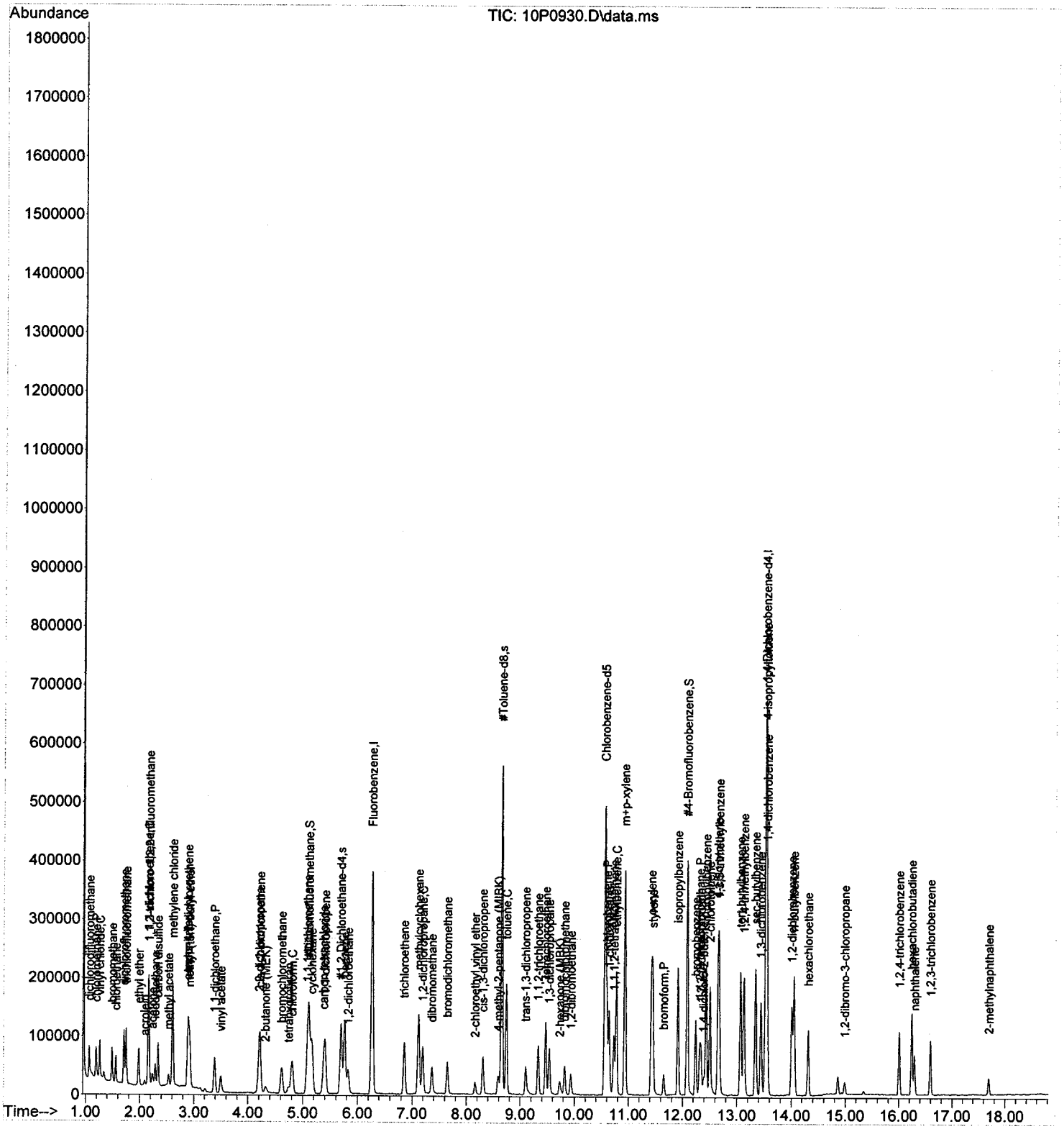
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 5P0930.D
Acq On : 30 Sep 2014 09:43
Operator : DLV
Sample : STD2
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Sep 30 10:06:38 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	37236	4.90	ug/L		98
40) 1,2-dichloropropane	7.195	63	20163	4.48	ug/L		99
41) dibromomethane	7.366	93	10889	4.59	ug/L		91
42) bromodichloromethane	7.648	83	22402	4.59	ug/L		95
43) 2-chloroethyl vinyl ether	8.160	63	6620	7.70	ug/L		89
44) cis-1,3-dichloropropene	8.307	75	23908	3.92	ug/L		98
45) 4-methyl-2-pentanone (...	8.583	43	16264	4.10	ug/L		96
47) toluene	8.742	91	82503	4.59	ug/L		100
48) trans-1,3-dichloropropene	9.101	75	17371	3.53	ug/L		93
49) 1,1,2-trichloroethane	9.331	83	13927	4.69	ug/L		99
51) tetrachloroethene	9.466	166	22373	4.35	ug/L		93
52) 1,3-dichloropropane	9.542	76	28572	4.79	ug/L		97
53) 2-hexanone (MBK)	9.730	43	13259	4.47	ug/L		96
54) dibromochloromethane	9.825	129	13817	4.09	ug/L		99
55) 1,2-dibromoethane	9.936	109	13431	4.23	ug/L	#	100
56) chlorobenzene	10.601	112	51265	4.68	ug/L		93
57) 1-chlorohexane	10.642	55	21340	4.88	ug/L		95
58) 1,1,1,2-tetrachloroethane	10.730	131	14447	4.37	ug/L		92
59) ethylbenzene	10.777	91	90054	4.75	ug/L		98
60) m+p-xylene	10.936	106	68430	9.58	ug/L		97
61) o-xylene	11.430	106	32327	4.73	ug/L		95
62) styrene	11.454	104	53466	4.58	ug/L		94
63) bromoform	11.654	173	8816	3.83	ug/L		98
66) isopropylbenzene	11.919	105	86714	4.89	ug/L		99
67) bromobenzene	12.242	77	35544	4.87	ug/L		89
68) 1,1,2,2-tetrachloroethane	12.319	83	22758	5.03	ug/L	#	95
69) 1,2,3-trichloropropane	12.342	110	5966	4.69	ug/L		88
70) 1,4-dichloro-2-butene	12.389	53	5815	4.82	ug/L	#	79
71) n-propylbenzene	12.436	120	23199	4.66	ug/L		94
72) 2-chlorotoluene	12.507	126	21078	5.07	ug/L		96
73) 1,3,5-trimethylbenzene	12.672	105	73489	4.77	ug/L		98
74) 4-chlorotoluene	12.654	91	73058	4.80	ug/L		97
75) tert-butylbenzene	13.066	119	64276	4.91	ug/L		99
76) 1,2,4-trimethylbenzene	13.130	105	73090	4.72	ug/L		98
77) sec-butylbenzene	13.342	105	95522	4.89	ug/L		99
78) 1,3-dichlorobenzene	13.442	146	40871	4.56	ug/L		97
79) 4-isopropyltoluene	13.542	119	82318	4.96	ug/L		98
80) 1,4-dichlorobenzene	13.554	146	42636	4.70	ug/L		93
81) 1,2-dichlorobenzene	14.007	146	38696	4.71	ug/L		97
82) n-butylbenzene	14.048	91	73459	4.54	ug/L		99
83) hexachloroethane	14.313	201	8448	5.18	ug/L	#	79
84) 1,2-dibromo-3-chloropr...	14.989	157	3385	4.34	ug/L		96
85) 1,2,4-trichlorobenzene	16.007	180	17366	3.29	ug/L		94
86) hexachlorobutadiene	16.242	225	14988	3.89	ug/L		92
87) naphthalene	16.295	128	26036	3.01	ug/L		91
88) 1,2,3-trichlorobenzene	16.595	180	14785	3.41	ug/L		94
89) 2-methylnaphthalene	17.695	142	7881	3.22	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 10P0930.D
Acq On : 30 Sep 2014 10:06
Operator : DLV
Sample : STD3
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Sep 30 10:28:22 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration



8260S-16C.M Tue Sep 30 16:11:37 2014

001475

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 10P0930.D
Acq On : 30 Sep 2014 10:06
Operator : DLV
Sample : STD3
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Sep 30 10:28:22 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	476503	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	331045	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	169488	40.00	ug/L		0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	118449	39.28	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.20%				
37) #1,2-Dichloroethane-d4	5.690	67	67973	38.17	ug/L		0.00
Spiked Amount 40.000			Recovery = 95.43%				
46) #Toluene-d8	8.654	98	458988	39.51	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.77%				
64) #4-Bromofluorobenzene	12.083	95	169565	39.37	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.42%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.066	85	42758	12.15	ug/L		98
3) chloromethane	1.190	50	57310	9.29	ug/L		98
4) vinyl chloride	1.261	62	50520	11.78	ug/L		92
5) bromomethane	1.490	94	28948	11.89	ug/L		94
6) chloroethane	1.560	64	31225	12.46	ug/L		96
7) dichlorofluoromethane	1.708	67	76306	10.96	ug/L		99
8) trichlorofluoromethane	1.749	101	61464	9.95	ug/L		99
9) ethyl ether	1.984	74	23988	10.68	ug/L		97
10) acrolein	2.090	56	6854	8.92	ug/L	#	63
11) 1,1,2-trichloro-1,2,2-...	2.166	101	37777	10.27	ug/L		96
12) 1,1-dichloroethene	2.160	96	33715	10.02	ug/L		91
13) acetone	2.231	43	30341	17.30	ug/L	#	87
14) iodomethane	2.284	142	34814	12.48	ug/L		99
15) carbon disulfide	2.337	76	93561	9.50	ug/L		96
16) methyl acetate	2.531	43	29131	9.63	ug/L		96
17) methylene chloride	2.607	49	104708	0.59	ug/L		98
18) acrylonitrile	2.884	53	15526	10.69	ug/L		92
19) trans-1,2-dichloroethene	2.890	96	36190	9.73	ug/L		93
20) methyl (tert) butyl ether	2.919	73	99363	9.69	ug/L		98
21) 1,1-dichloroethane	3.384	63	67330	8.79	ug/L		99
22) vinyl acetate	3.502	43	57094	7.09	ug/L		100
23) 2,2-dichloropropane	4.207	77	41733	7.48	ug/L		99
24) cis-1,2-dichloroethene	4.219	96	39887	8.96	ug/L		96
25) 2-butanone (MEK)	4.319	43	20068	9.89	ug/L		95
26) bromochloromethane	4.613	49	32430	8.12	ug/L		93
27) tetrahydrofuran	4.743	71	4235	9.02	ug/L		81
28) chloroform	4.807	83	66492	9.02	ug/L		100
30) 1,1,1-trichloroethane	5.084	97	51339	8.56	ug/L		100
31) cyclohexane	5.160	56	67967	9.01	ug/L		99
32) carbon tetrachloride	5.378	117	37875	7.99	ug/L		98
33) 1,1-dichloropropene	5.401	75	53853	9.20	ug/L		97
34) benzene	5.760	78	153800	9.15	ug/L		96
35) 1,2-dichloroethane	5.825	62	46752	8.31	ug/L		98
36) heptane	5.984	57	362	No Calib		#	
38) trichloroethene	6.854	130	38754	8.76	ug/L		95

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 10P0930.D
Acq On : 30 Sep 2014 10:06
Operator : DLV
Sample : STD3
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Sep 30 10:28:22 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

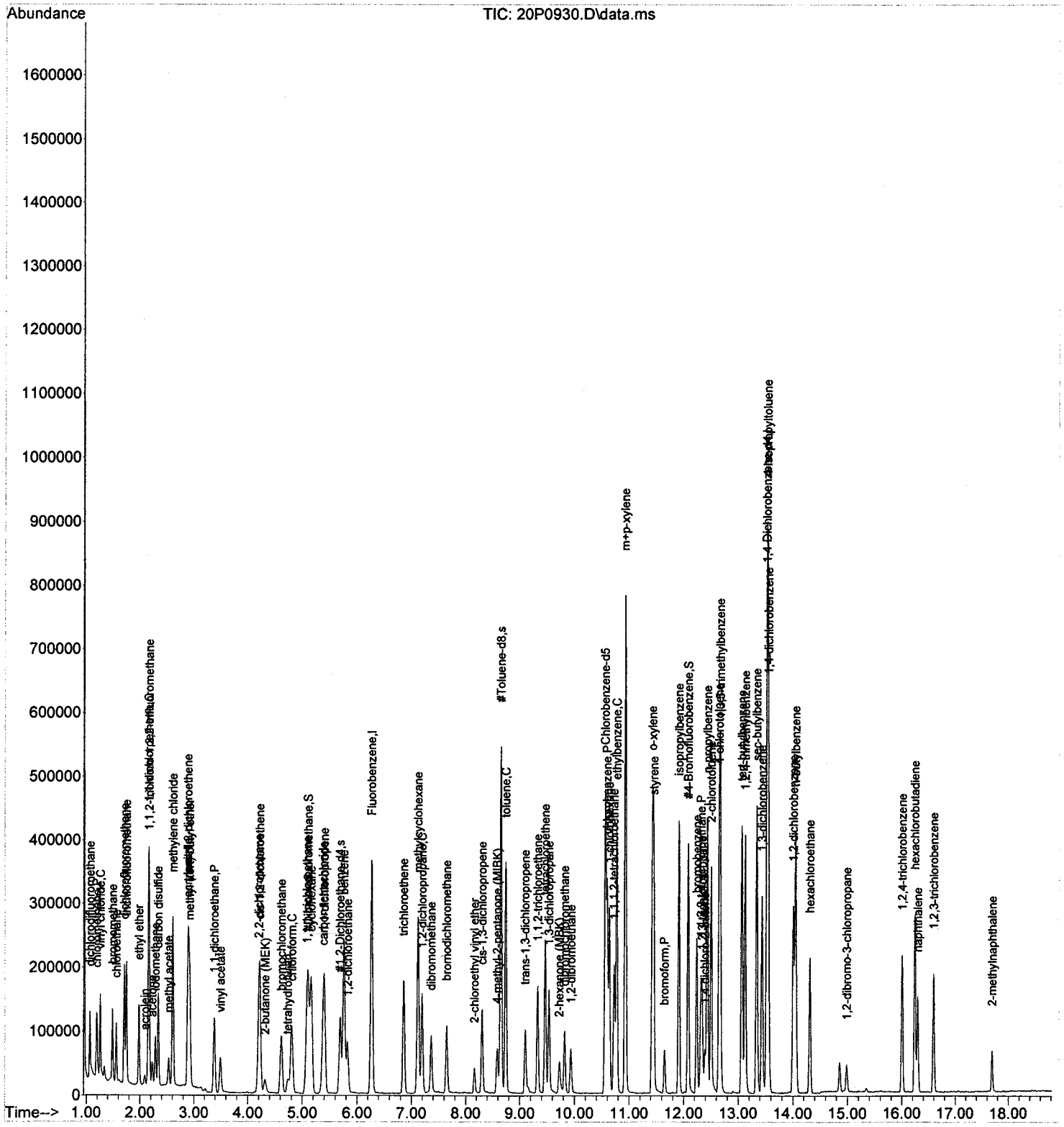
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	70972	9.17	ug/L		98
40) 1,2-dichloropropane	7.195	63	41945	9.16	ug/L		96
41) dibromomethane	7.366	93	21982	9.09	ug/L		91
42) bromodichloromethane	7.648	83	43345	8.72	ug/L		97
43) 2-chloroethyl vinyl ether	8.160	63	11678	13.33	ug/L		96
44) cis-1,3-dichloropropene	8.307	75	47157	7.59	ug/L		99
45) 4-methyl-2-pentanone (...	8.590	43	34882	8.64	ug/L		96
47) toluene	8.742	91	168062	9.18	ug/L		99
48) trans-1,3-dichloropropene	9.101	75	35146	7.01	ug/L		98
49) 1,1,2-trichloroethane	9.331	83	26997	8.93	ug/L		96
51) tetrachloroethene	9.472	166	42858	8.11	ug/L		95
52) 1,3-dichloropropane	9.537	76	56655	9.25	ug/L		96
53) 2-hexanone (MBK)	9.731	43	25805	8.47	ug/L		99
54) dibromochloromethane	9.825	129	29609	8.53	ug/L		96
55) 1,2-dibromoethane	9.937	109	28211	8.65	ug/L	#	100
56) chlorobenzene	10.601	112	105382	9.37	ug/L		96
57) 1-chlorohexane	10.642	55	40712	9.06	ug/L		98
58) 1,1,1,2-tetrachloroethane	10.731	131	29630	8.74	ug/L		98
59) ethylbenzene	10.772	91	182920	9.39	ug/L		97
60) m+p-xylene	10.931	106	136322	18.59	ug/L		99
61) o-xylene	11.431	106	65174	9.28	ug/L		95
62) styrene	11.454	104	113024	9.43	ug/L		100
63) bromoform	11.654	173	18957	8.01	ug/L		99
66) isopropylbenzene	11.913	105	172498	9.27	ug/L		99
67) bromobenzene	12.242	77	70821	9.27	ug/L		90
68) 1,1,2,2-tetrachloroethane	12.319	83	45230	9.53	ug/L	#	96
69) 1,2,3-trichloropropane	12.342	110	12213	9.15	ug/L		93
70) 1,4-dichloro-2-butene	12.389	53	11818	9.35	ug/L	#	76
71) n-propylbenzene	12.436	120	49079	9.41	ug/L		96
72) 2-chlorotoluene	12.507	126	43150	9.91	ug/L		93
73) 1,3,5-trimethylbenzene	12.672	105	149070	9.22	ug/L		98
74) 4-chlorotoluene	12.654	91	149475	9.37	ug/L		99
75) tert-butylbenzene	13.066	119	129268	9.41	ug/L		99
76) 1,2,4-trimethylbenzene	13.130	105	149532	9.22	ug/L		99
77) sec-butylbenzene	13.342	105	194227	9.48	ug/L		97
78) 1,3-dichlorobenzene	13.436	146	82088	8.73	ug/L		94
79) 4-isopropyltoluene	13.542	119	161582	9.28	ug/L		99
80) 1,4-dichlorobenzene	13.554	146	85580	9.01	ug/L		97
81) 1,2-dichlorobenzene	14.007	146	77566	9.01	ug/L		98
82) n-butylbenzene	14.048	91	157168	9.27	ug/L		99
83) hexachloroethane	14.313	201	16019	9.37	ug/L	#	79
84) 1,2-dibromo-3-chloropr...	14.983	157	7045	8.61	ug/L		95
85) 1,2,4-trichlorobenzene	16.007	180	41024	7.41	ug/L		96
86) hexachlorobutadiene	16.242	225	31985	7.92	ug/L		98
87) naphthalene	16.295	128	62542	6.89	ug/L		96
88) 1,2,3-trichlorobenzene	16.595	180	34191	7.53	ug/L		97
89) 2-methylnaphthalene	17.695	142	16190	6.10	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001477

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 20P0930.D
Acq On : 30 Sep 2014 10:30
Operator : DLV
Sample : STD4
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Sep 30 10:51:09 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 20P0930.D
Acq On : 30 Sep 2014 10:30
Operator : DLV
Sample : STD4
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Sep 30 10:51:09 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	452903	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	309516	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	157021	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.108	111	111845	39.03	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.58%		
37) #1,2-Dichloroethane-d4	5.690	67	65016	38.42	ug/L	0.00
Spiked Amount 40.000			Recovery =	96.05%		
46) #Toluene-d8	8.655	98	439506	39.80	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.50%		
64) #4-Bromofluorobenzene	12.084	95	157473	39.10	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.75%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.067	85	87138	26.06	ug/L	98
3) chloromethane	1.190	50	115187	19.64	ug/L	98
4) vinyl chloride	1.261	62	106776	26.19	ug/L	96
5) bromomethane	1.490	94	55921	24.16	ug/L	99
6) chloroethane	1.561	64	64849	27.22	ug/L	96
7) dichlorofluoromethane	1.708	67	149742	22.64	ug/L	100
8) trichlorofluoromethane	1.749	101	127861	21.79	ug/L	98
9) ethyl ether	1.978	74	45783	21.45	ug/L	92
10) acrolein	2.090	56	12535	19.52	ug/L #	83
11) 1,1,2-trichloro-1,2,2-...	2.167	101	76751	21.94	ug/L	95
12) 1,1-dichloroethene	2.161	96	65354	20.43	ug/L	92
13) acetone	2.225	43	44468	31.38	ug/L	94
14) iodomethane	2.284	142	73679	27.79	ug/L	99
15) carbon disulfide	2.337	76	183958	19.66	ug/L	100
16) methyl acetate	2.531	43	57193	19.89	ug/L	99
17) methylene chloride	2.608	49	153929	12.35	ug/L	96
18) acrylonitrile	2.884	53	30599	22.16	ug/L	95
19) trans-1,2-dichloroethene	2.890	96	73930	20.92	ug/L	93
20) methyl (tert) butyl ether	2.920	73	198296	20.34	ug/L	99
21) 1,1-dichloroethane	3.384	63	133751	18.37	ug/L	99
22) vinyl acetate	3.502	43	109591	14.31	ug/L	100
23) 2,2-dichloropropane	4.202	77	79354	14.97	ug/L	98
24) cis-1,2-dichloroethene	4.219	96	81007	19.15	ug/L	96
25) 2-butanone (MEK)	4.319	43	38729	20.09	ug/L	99
26) bromochloromethane	4.614	49	62838	16.56	ug/L	94
27) tetrahydrofuran	4.731	71	9948	21.00	ug/L	88
28) chloroform	4.808	83	129509	18.48	ug/L	98
30) 1,1,1-trichloroethane	5.084	97	102483	17.97	ug/L	99
31) cyclohexane	5.161	56	137595	19.18	ug/L	98
32) carbon tetrachloride	5.384	117	78717	17.48	ug/L	99
33) 1,1-dichloropropene	5.402	75	104968	18.86	ug/L	96
34) benzene	5.761	78	305318	19.11	ug/L	96
35) 1,2-dichloroethane	5.825	62	91830	17.17	ug/L	98
36) heptane	5.961	57	945	No Calib	#	
38) trichloroethene	6.855	130	76575	18.21	ug/L	95

001479

Quantitation Report (Not Reviewed)

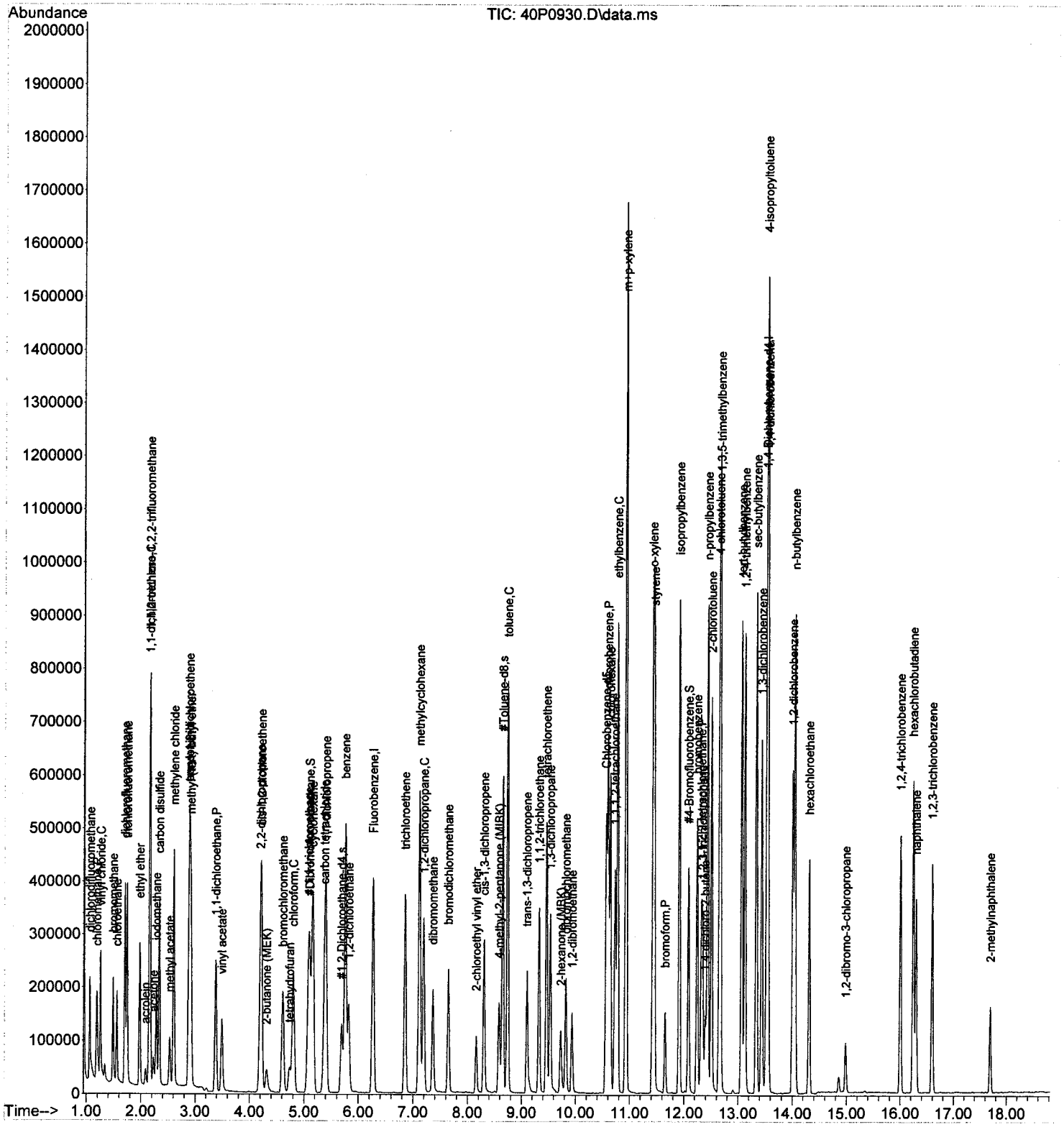
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 20P0930.D
Acq On : 30 Sep 2014 10:30
Operator : DLV
Sample : STD4
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Sep 30 10:51:09 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	143040	19.45	ug/L		99
40)	1,2-dichloropropane	7.196	63	80267	18.43	ug/L		97
41)	dibromomethane	7.366	93	43869	19.09	ug/L		89
42)	bromodichloromethane	7.649	83	85107	18.02	ug/L		99
43)	2-chloroethyl vinyl ether	8.160	63	22983	27.61	ug/L		97
44)	cis-1,3-dichloropropene	8.307	75	94359	15.98	ug/L		97
45)	4-methyl-2-pentanone (...	8.584	43	66808	17.41	ug/L		98
47)	toluene	8.743	91	321295	18.47	ug/L		99
48)	trans-1,3-dichloropropene	9.102	75	73249	15.38	ug/L		98
49)	1,1,2-trichloroethane	9.331	83	53439	18.59	ug/L		100
51)	tetrachloroethene	9.466	166	83544	16.91	ug/L		96
52)	1,3-dichloropropane	9.537	76	112252	19.61	ug/L		99
53)	2-hexanone (MBK)	9.725	43	49198	17.28	ug/L		95
54)	dibromochloromethane	9.825	129	58063	17.90	ug/L		100
55)	1,2-dibromoethane	9.937	109	56184	18.42	ug/L	#	100
56)	chlorobenzene	10.596	112	200274	19.04	ug/L		98
57)	1-chlorohexane	10.637	55	80399	19.14	ug/L		99
58)	1,1,1,2-tetrachloroethane	10.725	131	59421	18.74	ug/L		98
59)	ethylbenzene	10.772	91	359773	19.75	ug/L		98
60)	m+p-xylene	10.931	106	266243	38.84	ug/L		99
61)	o-xylene	11.431	106	127619	19.44	ug/L		98
62)	styrene	11.454	104	217154	19.38	ug/L		97
63)	bromoform	11.648	173	39251	17.74	ug/L		96
66)	isopropylbenzene	11.913	105	342518	19.88	ug/L		97
67)	bromobenzene	12.243	77	132894	18.77	ug/L		91
68)	1,1,2,2-tetrachloroethane	12.319	83	92064	20.93	ug/L	#	98
69)	1,2,3-trichloropropane	12.343	110	23397	18.93	ug/L		88
70)	1,4-dichloro-2-butene	12.390	53	20972	17.90	ug/L	#	71
71)	n-propylbenzene	12.437	120	93163	19.29	ug/L		95
72)	2-chlorotoluene	12.507	126	81254	20.14	ug/L		92
73)	1,3,5-trimethylbenzene	12.672	105	300530	20.07	ug/L		98
74)	4-chlorotoluene	12.648	91	285322	19.31	ug/L		97
75)	tert-butylbenzene	13.066	119	248004	19.49	ug/L		98
76)	1,2,4-trimethylbenzene	13.131	105	288300	19.18	ug/L		100
77)	sec-butylbenzene	13.342	105	388653	20.47	ug/L		97
78)	1,3-dichlorobenzene	13.437	146	159980	18.37	ug/L		98
79)	4-isopropyltoluene	13.537	119	320109	19.84	ug/L		98
80)	1,4-dichlorobenzene	13.554	146	162066	18.41	ug/L		99
81)	1,2-dichlorobenzene	14.007	146	149894	18.80	ug/L		99
82)	n-butylbenzene	14.048	91	309601	19.70	ug/L		98
83)	hexachloroethane	14.313	201	34163	21.56	ug/L	#	83
84)	1,2-dibromo-3-chloropr...	14.984	157	14574	19.22	ug/L		96
85)	1,2,4-trichlorobenzene	16.007	180	84093	16.40	ug/L		97
86)	hexachlorobutadiene	16.242	225	64167	17.16	ug/L		99
87)	naphthalene	16.295	128	139716	16.62	ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	68272	16.22	ug/L		97
89)	2-methylnaphthalene	17.695	142	34449	13.34	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 40P0930.D
Acq On : 30 Sep 2014 10:53
Operator : DLV
Sample : STD5
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Sep 30 11:21:46 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration



001481

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 40P0930.D
Acq On : 30 Sep 2014 10:53
Operator : DLV
Sample : STD5
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Sep 30 11:21:46 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	497497	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	336665	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	167582	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	124198	39.45	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.63%			
37) #1,2-Dichloroethane-d4	5.690	67	70229	37.78	ug/L	0.00
Spiked Amount 40.000			Recovery = 94.45%			
46) #Toluene-d8	8.654	98	480889	39.64	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.10%			
64) #4-Bromofluorobenzene	12.083	95	167660	38.28	ug/L	0.00
Spiked Amount 40.000			Recovery = 95.70%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	171079	46.57	ug/L	100
3) chloromethane	1.190	50	210316	32.64	ug/L	98
4) vinyl chloride	1.260	62	209577	46.80	ug/L	97
5) bromomethane	1.490	94	104081	40.94	ug/L	95
6) chloroethane	1.560	64	122660	46.87	ug/L	96
7) dichlorofluoromethane	1.707	67	307999	42.39	ug/L	99
8) trichlorofluoromethane	1.749	101	262200	40.67	ug/L	98
9) ethyl ether	1.978	74	97375	41.53	ug/L	96
10) acrolein	2.084	56	27481	41.49	ug/L	88
11) 1,1,2-trichloro-1,2,2-...	2.160	101	159068	41.40	ug/L	96
12) 1,1-dichloroethene	2.154	96	138550	39.43	ug/L	93
13) acetone	2.231	43	72899	51.10	ug/L	94
14) iodomethane	2.284	142	183057	62.86	ug/L	98
15) carbon disulfide	2.337	76	444255	43.22	ug/L	98
16) methyl acetate	2.531	43	127073	40.24	ug/L	97
17) methylene chloride	2.607	49	262781	30.80	ug/L	97
18) acrylonitrile	2.884	53	64334	42.42	ug/L	99
19) trans-1,2-dichloroethene	2.884	96	158255	40.76	ug/L	97
20) methyl (tert) butyl ether	2.913	73	420950	39.30	ug/L	100
21) 1,1-dichloroethane	3.384	63	283525	35.45	ug/L	99
22) vinyl acetate	3.496	43	265229	31.53	ug/L	100
23) 2,2-dichloropropane	4.201	77	170608	29.30	ug/L	97
24) cis-1,2-dichloroethene	4.219	96	167287	36.00	ug/L	96
25) 2-butanone (MEK)	4.313	43	83062	39.22	ug/L	97
26) bromochloromethane	4.613	49	135509	32.50	ug/L	91
27) tetrahydrofuran	4.737	71	19872	37.47	ug/L	91
28) chloroform	4.801	83	276803	35.95	ug/L	99
30) 1,1,1-trichloroethane	5.084	97	215675	34.43	ug/L	98
31) cyclohexane	5.160	56	289915	36.80	ug/L	98
32) carbon tetrachloride	5.378	117	178873	36.16	ug/L	98
33) 1,1-dichloropropene	5.401	75	223752	36.60	ug/L	98
34) benzene	5.760	78	642503	36.60	ug/L	96
35) 1,2-dichloroethane	5.825	62	193458	32.94	ug/L	98
36) heptane	5.954	57	2232	No Calib	#	
38) trichloroethene	6.854	130	167033	36.17	ug/L	97

Quantitation Report (Not Reviewed)

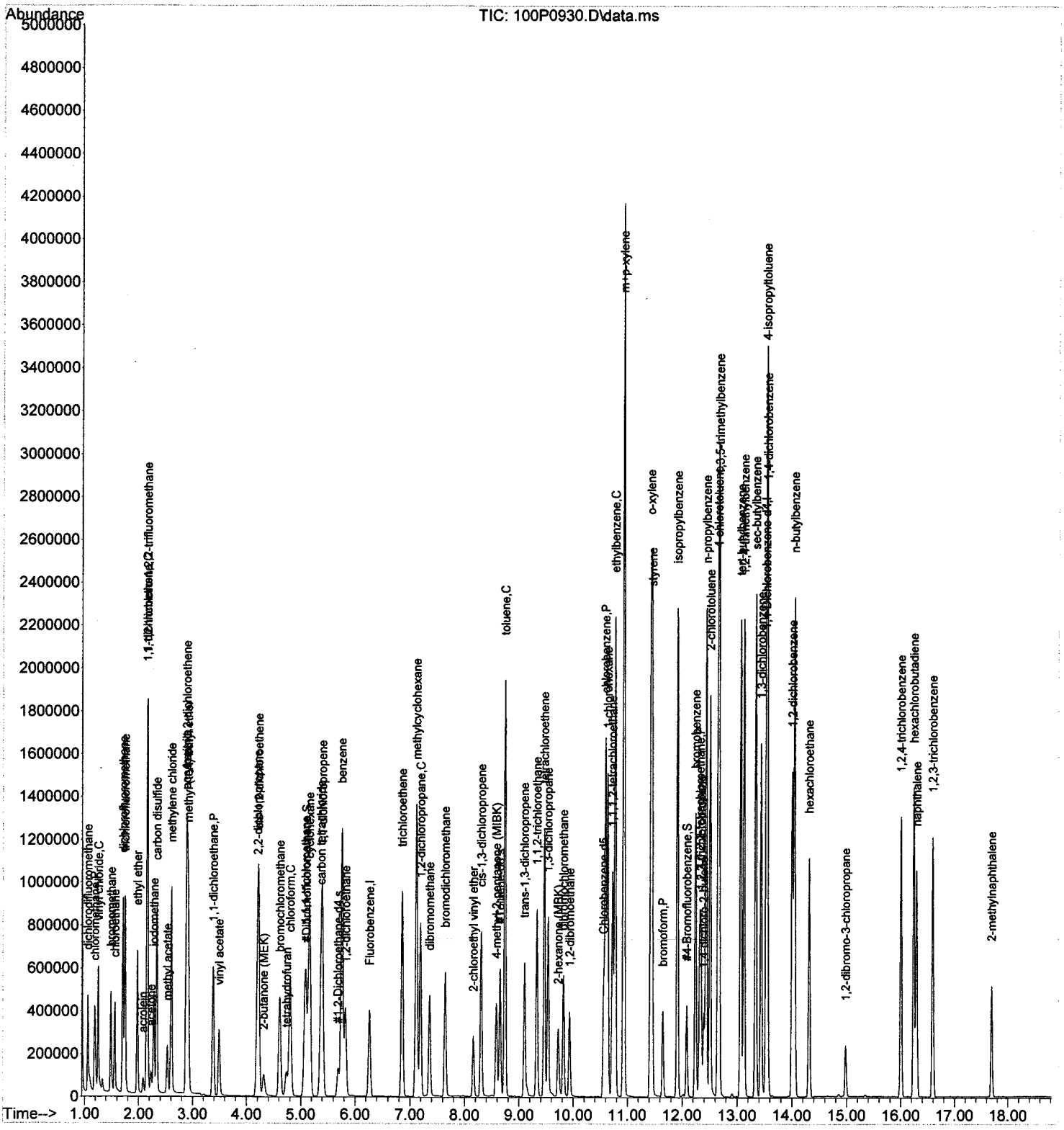
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 40P0930.D
Acq On : 30 Sep 2014 10:53
Operator : DLV
Sample : STD5
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Sep 30 11:21:46 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	301426	37.32	ug/L		100
40) 1,2-dichloropropane	7.195	63	166915	34.90	ug/L		98
41) dibromomethane	7.366	93	94425	37.41	ug/L	#	88
42) bromodichloromethane	7.648	83	184242	35.51	ug/L		99
43) 2-chloroethyl vinyl ether	8.160	63	60877	66.58	ug/L		97
44) cis-1,3-dichloropropene	8.307	75	208321	32.11	ug/L		98
45) 4-methyl-2-pentanone (...	8.584	43	156800	37.19	ug/L		98
47) toluene	8.742	91	683615	35.78	ug/L		99
48) trans-1,3-dichloropropene	9.101	75	157642	30.13	ug/L		97
49) 1,1,2-trichloroethane	9.331	83	116276	36.82	ug/L		98
51) tetrachloroethene	9.466	166	177409	33.02	ug/L		96
52) 1,3-dichloropropane	9.536	76	233743	37.55	ug/L		99
53) 2-hexanone (MBK)	9.731	43	115619	37.33	ug/L		98
54) dibromochloromethane	9.825	129	129939	36.82	ug/L		98
55) 1,2-dibromoethane	9.936	109	117119	35.31	ug/L	#	100
56) chlorobenzene	10.595	112	417805	36.52	ug/L		98
57) 1-chlorohexane	10.636	55	166037	36.34	ug/L		97
58) 1,1,1,2-tetrachloroethane	10.725	131	131326	38.08	ug/L		98
59) ethylbenzene	10.772	91	758710	38.29	ug/L		99
60) m+p-xylene	10.930	106	561589	75.32	ug/L		97
61) o-xylene	11.425	106	265946	37.24	ug/L		96
62) styrene	11.454	104	455771	37.39	ug/L		98
63) bromoform	11.654	173	82514	34.29	ug/L		98
66) isopropylbenzene	11.913	105	718307	39.05	ug/L		98
67) bromobenzene	12.242	77	279122	36.93	ug/L		89
68) 1,1,2,2-tetrachloroethane	12.319	83	185699	39.56	ug/L	#	98
69) 1,2,3-trichloropropane	12.342	110	49495	37.52	ug/L		92
70) 1,4-dichloro-2-butene	12.389	53	44914	35.92	ug/L		95
71) n-propylbenzene	12.436	120	193163	37.47	ug/L	#	91
72) 2-chlorotoluene	12.507	126	165874	38.53	ug/L		90
73) 1,3,5-trimethylbenzene	12.672	105	621942	38.92	ug/L		98
74) 4-chlorotoluene	12.648	91	589940	37.41	ug/L		98
75) tert-butylbenzene	13.066	119	515803	37.99	ug/L		99
76) 1,2,4-trimethylbenzene	13.124	105	602359	37.56	ug/L		99
77) sec-butylbenzene	13.342	105	795377	39.25	ug/L		97
78) 1,3-dichlorobenzene	13.436	146	332586	35.78	ug/L		98
79) 4-isopropyltoluene	13.536	119	655671	38.09	ug/L		98
80) 1,4-dichlorobenzene	13.554	146	334400	35.60	ug/L		98
81) 1,2-dichlorobenzene	14.007	146	303647	35.69	ug/L		98
82) n-butylbenzene	14.048	91	657893	39.23	ug/L		99
83) hexachloroethane	14.313	201	71012	42.00	ug/L	#	87
84) 1,2-dibromo-3-chloropr...	14.983	157	30659	37.89	ug/L		99
85) 1,2,4-trichlorobenzene	16.007	180	186522	34.09	ug/L		98
86) hexachlorobutadiene	16.242	225	135290	33.89	ug/L		99
87) naphthalene	16.295	128	340836	37.98	ug/L		99
88) 1,2,3-trichlorobenzene	16.595	180	157077	34.98	ug/L		97
89) 2-methylnaphthalene	17.695	142	88292	29.46	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 100P0930.D
Acq On : 30 Sep 2014 11:17
Operator : DLV
Sample : STD6
Misc :
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Sep 30 11:37:09 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 100P0930.D
Acq On : 30 Sep 2014 11:17
Operator : DLV
Sample : STD6
Misc :
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Sep 30 11:37:09 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	486924	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	340755	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	164796	40.00	ug/L #	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	123637	40.13	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.33%			
37) #1,2-Dichloroethane-d4	5.690	67	71834	39.48	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.70%			
46) #Toluene-d8	8.654	98	475603	40.06	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.15%			
64) #4-Bromofluorobenzene	12.083	95	167906	37.87	ug/L	0.00
Spiked Amount 40.000			Recovery = 94.67%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.060	85	411121	114.35	ug/L	100
3) chloromethane	1.190	50	514791	81.62	ug/L	98
4) vinyl chloride	1.260	62	512447	116.92	ug/L	96
5) bromomethane	1.490	94	258761	104.00	ug/L	97
6) chloroethane	1.560	64	297992	116.33	ug/L	98
7) dichlorofluoromethane	1.707	67	756281	106.34	ug/L	100
8) trichlorofluoromethane	1.743	101	622124	98.59	ug/L	99
9) ethyl ether	1.978	74	241995	105.45	ug/L	96
10) acrolein	2.084	56	63405	101.28	ug/L	90
11) 1,1,2-trichloro-1,2,2-...	2.160	101	387048	102.93	ug/L	94
12) 1,1-dichloroethene	2.155	96	336476	97.84	ug/L	94
13) acetone	2.231	43	148009	115.33	ug/L	99
14) iodomethane	2.284	142	481100	168.79	ug/L	99
15) carbon disulfide	2.337	76	1110044	110.34	ug/L	99
16) methyl acetate	2.531	43	304998	98.67	ug/L	97
17) methylene chloride	2.607	49	570151	93.74	ug/L	97
18) acrylonitrile	2.884	53	156382	105.35	ug/L	99
19) trans-1,2-dichloroethene	2.890	96	380825	100.22	ug/L	96
20) methyl (tert) butyl ether	2.913	73	1024103	97.69	ug/L	99
21) 1,1-dichloroethane	3.384	63	695136	88.80	ug/L	99
22) vinyl acetate	3.496	43	577619	70.16	ug/L	99
23) 2,2-dichloropropane	4.201	77	436789	76.65	ug/L	97
24) cis-1,2-dichloroethene	4.219	96	421201	92.61	ug/L	97
25) 2-butanone (MEK)	4.313	43	194529	93.85	ug/L	99
26) bromochloromethane	4.613	49	329286	80.70	ug/L	93
27) tetrahydrofuran	4.737	71	48184	91.53	ug/L #	87
28) chloroform	4.801	83	676518	89.77	ug/L	99
30) 1,1,1-trichloroethane	5.084	97	538069	87.76	ug/L	99
31) cyclohexane	5.160	56	713515	92.52	ug/L	98
32) carbon tetrachloride	5.378	117	452684	93.51	ug/L	100
33) 1,1-dichloropropene	5.401	75	545773	91.22	ug/L	97
34) benzene	5.760	78	1591571	92.63	ug/L	99
35) 1,2-dichloroethane	5.825	62	473964	82.45	ug/L	99
36) heptane	5.954	57	4327	No Calib	#	
38) trichloroethene	6.854	130	411769	91.10	ug/L	96

Quantitation Report (Not Reviewed)

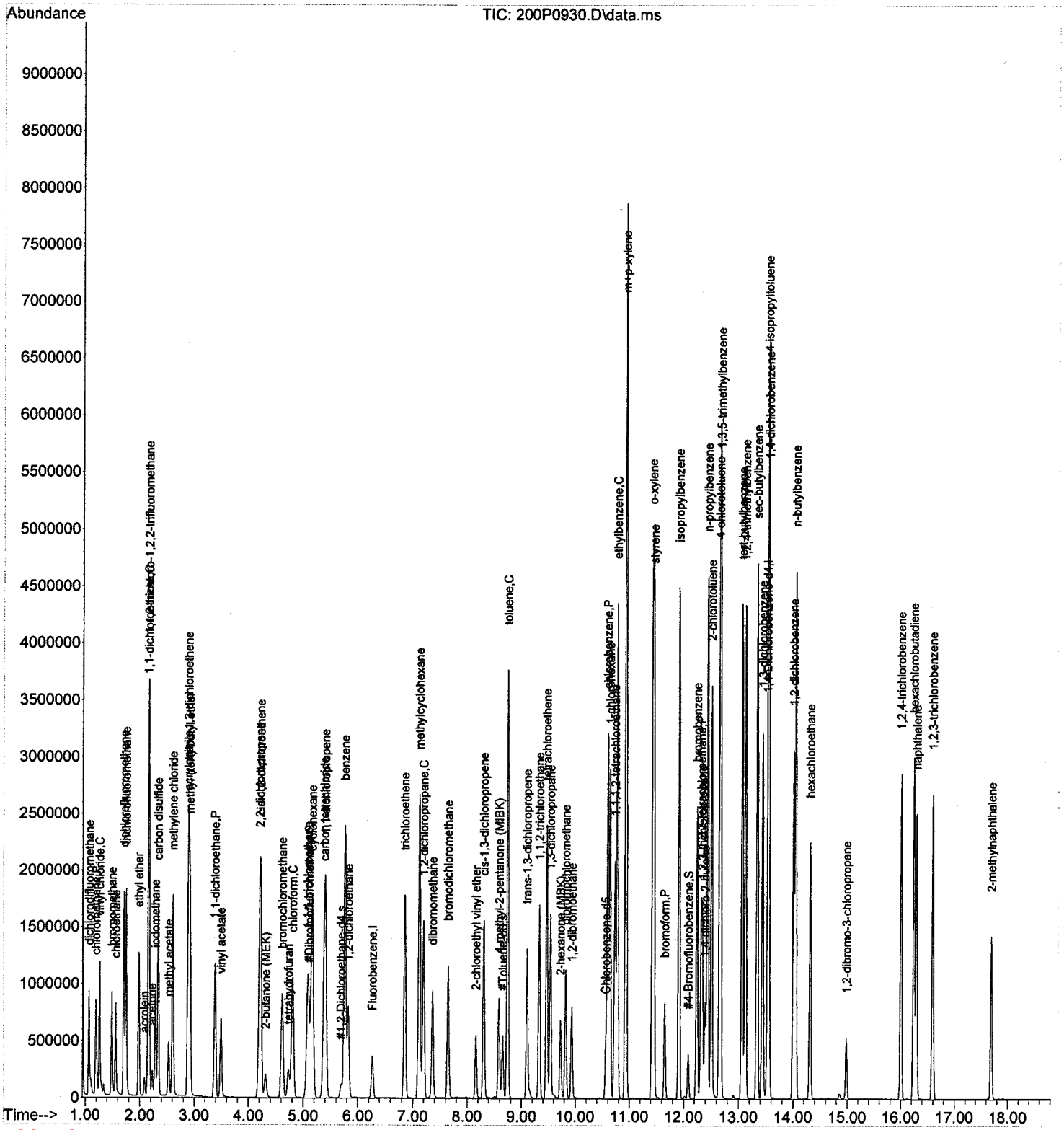
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 100P0930.D
Acq On : 30 Sep 2014 11:17
Operator : DLV
Sample : STD6
Misc :
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Sep 30 11:37:09 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	731460	92.53	ug/L		99
40) 1,2-dichloropropane	7.195	63	411124	87.82	ug/L		98
41) dibromomethane	7.366	93	228861	92.64	ug/L		91
42) bromodichloromethane	7.648	83	473052	93.16	ug/L		100
43) 2-chloroethyl vinyl ether	8.160	63	156444	174.80	ug/L		98
44) cis-1,3-dichloropropene	8.307	75	558001	87.89	ug/L		96
45) 4-methyl-2-pentanone (...	8.584	43	385847	93.51	ug/L		97
47) toluene	8.742	91	1697948	90.80	ug/L		100
48) trans-1,3-dichloropropene	9.101	75	419291	81.88	ug/L		96
49) 1,1,2-trichloroethane	9.331	83	283491	91.73	ug/L		99
51) tetrachloroethene	9.466	166	434292	79.86	ug/L		97
52) 1,3-dichloropropane	9.536	76	588071	93.33	ug/L		100
53) 2-hexanone (MBK)	9.725	43	280971	89.63	ug/L		96
54) dibromochloromethane	9.825	129	342193	95.81	ug/L		98
55) 1,2-dibromoethane	9.936	109	298538	88.92	ug/L	#	100
56) chlorobenzene	10.595	112	1035759	89.44	ug/L		98
57) 1-chlorohexane	10.636	55	413211	89.35	ug/L		96
58) 1,1,1,2-tetrachloroethane	10.725	131	334786	95.90	ug/L		99
59) ethylbenzene	10.772	91	1898304	94.64	ug/L		98
60) m+p-xylene	10.931	106	1394026	184.72	ug/L		97
61) o-xylene	11.431	106	669904	92.69	ug/L		96
62) styrene	11.454	104	1156318	93.73	ug/L		98
63) bromoform	11.654	173	217604	89.33	ug/L		99
66) isopropylbenzene	11.913	105	1781445	98.50	ug/L		99
67) bromobenzene	12.242	77	697739	93.89	ug/L		90
68) 1,1,2,2-tetrachloroethane	12.319	83	442155	95.80	ug/L	#	99
69) 1,2,3-trichloropropane	12.342	110	122775	94.64	ug/L		97
70) 1,4-dichloro-2-butene	12.389	53	116059	94.39	ug/L		96
71) n-propylbenzene	12.436	120	482387	95.16	ug/L		93
72) 2-chlorotoluene	12.507	126	419346	99.06	ug/L		94
73) 1,3,5-trimethylbenzene	12.672	105	1516000	96.48	ug/L		99
74) 4-chlorotoluene	12.648	91	1466213	94.55	ug/L		98
75) tert-butylbenzene	13.066	119	1274972	95.49	ug/L		98
76) 1,2,4-trimethylbenzene	13.125	105	1491147	94.54	ug/L		100
77) sec-butylbenzene	13.342	105	1975750	99.16	ug/L		97
78) 1,3-dichlorobenzene	13.436	146	812943	88.93	ug/L		99
79) 4-isopropyltoluene	13.536	119	1626121	96.05	ug/L		99
80) 1,4-dichlorobenzene	13.554	146	811790	87.88	ug/L		98
81) 1,2-dichlorobenzene	14.007	146	751660	89.83	ug/L		99
82) n-butylbenzene	14.048	91	1619996	98.24	ug/L		99
83) hexachloroethane	14.313	201	190960	114.84	ug/L	#	92
84) 1,2-dibromo-3-chloropr...	14.983	157	78682	98.89	ug/L		100
85) 1,2,4-trichlorobenzene	16.001	180	508431	94.50	ug/L		98
86) hexachlorobutadiene	16.242	225	330674	84.24	ug/L		99
87) naphthalene	16.295	128	1019992	115.58	ug/L		99
88) 1,2,3-trichlorobenzene	16.595	180	444845	100.73	ug/L		99
89) 2-methylnaphthalene	17.695	142	288691	79.31	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 200P0930.D
Acq On : 30 Sep 2014 12:04
Operator : DLV
Sample : STD7
Misc :
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Sep 30 12:27:10 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 200P0930.D
Acq On : 30 Sep 2014 12:04
Operator : DLV
Sample : STD7
Misc :
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Sep 30 12:27:10 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	450553	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	313833	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	155383	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	116055	40.71	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.77%				
37) #1,2-Dichloroethane-d4	5.689	67	64347	38.22	ug/L		0.00
Spiked Amount 40.000			Recovery = 95.55%				
46) #Toluene-d8	8.654	98	444763	40.49	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.23%				
64) #4-Bromofluorobenzene	12.083	95	156687	38.37	ug/L		0.00
Spiked Amount 40.000			Recovery = 95.92%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.066	85	819210	246.26	ug/L		99
3) chloromethane	1.190	50	1000278	171.40	ug/L		98
4) vinyl chloride	1.260	62	1004556	247.71	ug/L		97
5) bromomethane	1.490	94	506563	220.03	ug/L		95
6) chloroethane	1.560	64	578366	244.00	ug/L		98
7) dichlorofluoromethane	1.707	67	1478895	224.74	ug/L		100
8) trichlorofluoromethane	1.748	101	1228988	210.49	ug/L		98
9) ethyl ether	1.978	74	457179	215.30	ug/L		95
10) acrolein	2.084	56	128075	224.10	ug/L		91
11) 1,1,2-trichloro-1,2,2-...	2.160	101	753532	216.56	ug/L		95
12) 1,1-dichloroethene	2.154	96	659442	207.23	ug/L		95
13) acetone	2.225	43	262094	228.63	ug/L		97
14) iodomethane	2.284	142	905504	343.33	ug/L		99
15) carbon disulfide	2.337	76	2091093	224.64	ug/L		100
16) methyl acetate	2.531	43	620634	217.00	ug/L		95
17) methylene chloride	2.607	49	1049970	207.28	ug/L		96
18) acrylonitrile	2.884	53	318151	231.64	ug/L		97
19) trans-1,2-dichloroethene	2.890	96	736284	209.40	ug/L		95
20) methyl (tert) butyl ether	2.913	73	1974370	203.53	ug/L		99
21) 1,1-dichloroethane	3.384	63	1352606	186.74	ug/L		99
22) vinyl acetate	3.495	43	1249783	164.06	ug/L		99
23) 2,2-dichloropropane	4.207	77	882532	167.37	ug/L		97
24) cis-1,2-dichloroethene	4.219	96	813477	193.30	ug/L		97
25) 2-butanone (MEK)	4.313	43	371383	193.63	ug/L		98
26) bromochloromethane	4.613	49	637615	168.87	ug/L		93
27) tetrahydrofuran	4.731	71	102825	209.95	ug/L	#	84
28) chloroform	4.807	83	1304446	187.07	ug/L		99
30) 1,1,1-trichloroethane	5.084	97	1062755	187.34	ug/L		99
31) cyclohexane	5.160	56	1402233	196.51	ug/L		98
32) carbon tetrachloride	5.384	117	909649	203.08	ug/L		100
33) 1,1-dichloropropene	5.401	75	1052622	190.15	ug/L		97
34) benzene	5.760	78	3029082	190.53	ug/L		97
35) 1,2-dichloroethane	5.825	62	915725	172.16	ug/L		99
36) heptane	5.954	57	9068	No Calib		#	
38) trichloroethene	6.854	130	772551	184.71	ug/L		96

Quantitation Report (Not Reviewed)

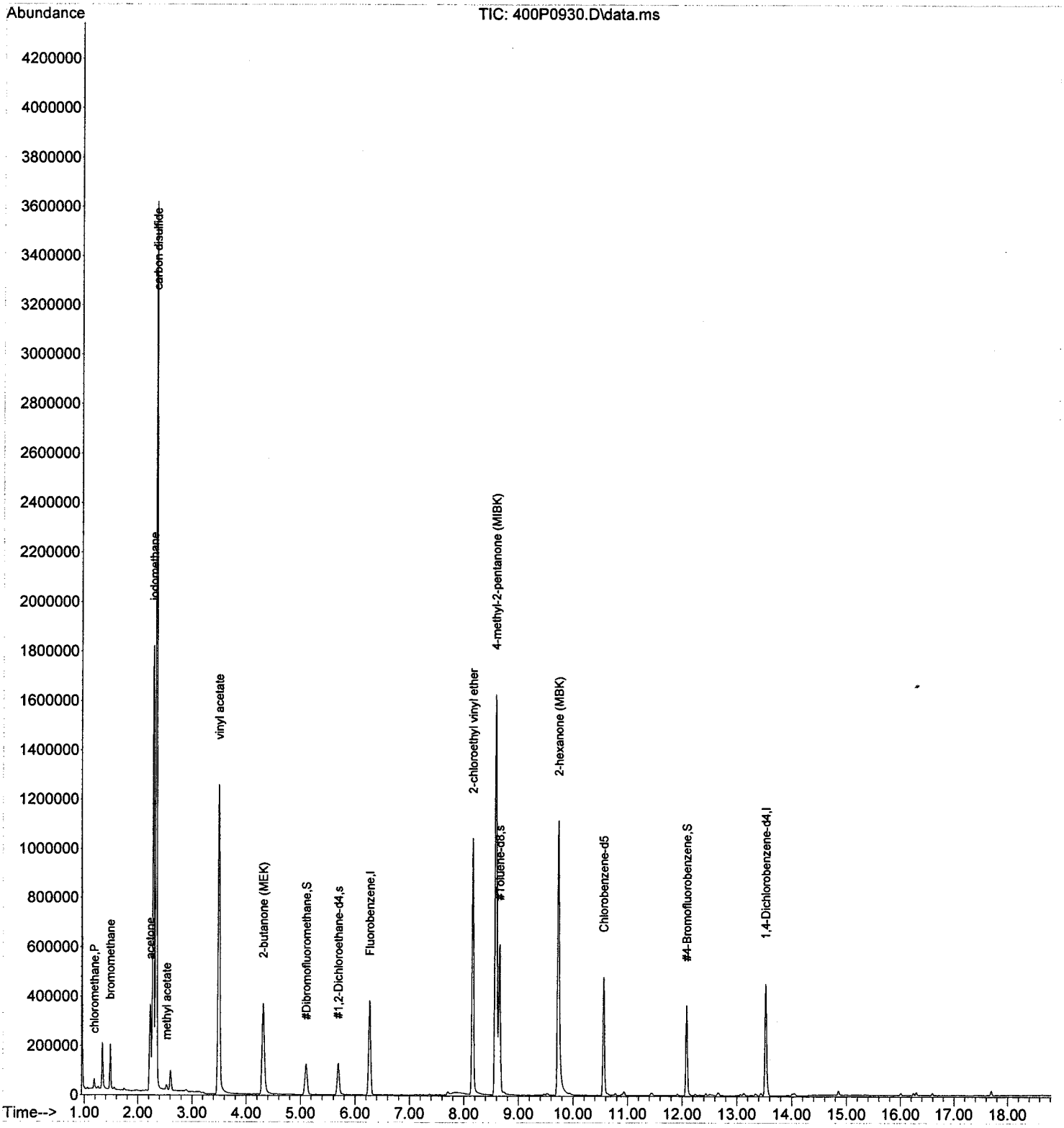
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 200P0930.D
Acq On : 30 Sep 2014 12:04
Operator : DLV
Sample : STD7
Misc :
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Sep 30 12:27:10 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Thu Sep 18 10:48:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	1456497	199.11 ug/L	98
40) 1,2-dichloropropane	7.195	63	786484	181.57 ug/L	98
41) dibromomethane	7.366	93	443682	194.10 ug/L	91
42) bromodichloromethane	7.648	83	923961	196.66 ug/L	99
43) 2-chloroethyl vinyl ether	8.160	63	300752	363.17 ug/L	99
44) cis-1,3-dichloropropene	8.307	75	1101377	187.48 ug/L	96
45) 4-methyl-2-pentanone (...	8.583	43	733437	192.09 ug/L	97
47) toluene	8.742	91	3262933	188.57 ug/L	100
48) trans-1,3-dichloropropene	9.101	75	862507	182.02 ug/L	97
49) 1,1,2-trichloroethane	9.330	83	554214	193.80 ug/L	100
51) tetrachloroethene	9.466	166	840421	167.81 ug/L	97
52) 1,3-dichloropropane	9.536	76	1141700	196.73 ug/L	100
53) 2-hexanone (MBK)	9.725	43	553542	191.72 ug/L	96
54) dibromochloromethane	9.825	129	691203	210.13 ug/L	97
55) 1,2-dibromoethane	9.936	109	602395	194.81 ug/L #	100
56) chlorobenzene	10.595	112	2040069	191.27 ug/L	99
57) 1-chlorohexane	10.636	55	815451	191.45 ug/L	95
58) 1,1,1,2-tetrachloroethane	10.730	131	663744	206.45 ug/L	97
59) ethylbenzene	10.772	91	3686614	199.57 ug/L	98
60) m+p-xylene	10.930	106	2714238	390.51 ug/L	98
61) o-xylene	11.430	106	1292533	194.17 ug/L	96
62) styrene	11.454	104	2238593	197.01 ug/L	98
63) bromoform	11.654	173	451062	201.06 ug/L	99
66) isopropylbenzene	11.913	105	3509918	205.82 ug/L	98
67) bromobenzene	12.242	77	1354571	193.31 ug/L	90
68) 1,1,2,2-tetrachloroethane	12.319	83	894505	205.54 ug/L #	98
69) 1,2,3-trichloropropane	12.342	110	243997	199.49 ug/L	100
70) 1,4-dichloro-2-butene	12.389	53	238470	205.69 ug/L	93
71) n-propylbenzene	12.436	120	937961	196.24 ug/L #	91
72) 2-chlorotoluene	12.507	126	811200	203.23 ug/L	93
73) 1,3,5-trimethylbenzene	12.671	105	2968763	200.39 ug/L	98
74) 4-chlorotoluene	12.648	91	2836111	193.97 ug/L	98
75) tert-butylbenzene	13.066	119	2499223	198.53 ug/L	98
76) 1,2,4-trimethylbenzene	13.124	105	2895092	194.67 ug/L	99
77) sec-butylbenzene	13.342	105	3869965	205.99 ug/L	97
78) 1,3-dichlorobenzene	13.436	146	1576939	182.95 ug/L	99
79) 4-isopropyltoluene	13.536	119	3215130	201.42 ug/L	99
80) 1,4-dichlorobenzene	13.554	146	1575775	180.93 ug/L	99
81) 1,2-dichlorobenzene	14.007	146	1466229	185.85 ug/L	99
82) n-butylbenzene	14.048	91	3217839	206.95 ug/L	99
83) hexachloroethane	14.313	201	394669	251.72 ug/L	95
84) 1,2-dibromo-3-chloropr...	14.983	157	175111	233.41 ug/L	99
85) 1,2,4-trichlorobenzene	16.001	180	1086207	214.12 ug/L	98
86) hexachlorobutadiene	16.242	225	681722	184.19 ug/L	98
87) naphthalene	16.295	128	2382799	286.36 ug/L	99
88) 1,2,3-trichlorobenzene	16.595	180	988831	237.46 ug/L	99
89) 2-methylnaphthalene	17.695	142	806121	173.24 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 400P0930.D
Acq On : 30 Sep 2014 12:27
Operator : DLV
Sample : STD8
Misc : KETONES ONLY
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Sep 30 12:50:27 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Tue Sep 30 12:32:57 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 400P0930.D
Acq On : 30 Sep 2014 12:27
Operator : DLV
Sample : STD8
Misc : KETONES ONLY
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Sep 30 12:50:27 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Tue Sep 30 12:32:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	472794	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	321706	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	153705	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	120715	40.35	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.88%		
37) #1,2-Dichloroethane-d4	5.689	67	68942	39.02	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.55%		
46) #Toluene-d8	8.654	98	468223	40.62	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.55%		
64) #4-Bromofluorobenzene	12.083	95	156067	37.29	ug/L	0.00
Spiked Amount 40.000			Recovery =	93.23%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	1.184	50	38994	6.37	ug/L #	43
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	1.484	94	91779	37.99	ug/L	95
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.225	43	494739	418.20	ug/L	96
14) iodomethane	2.284	142	1803174	651.52	ug/L	99
15) carbon disulfide	2.337	76	4542971	465.09	ug/L	100
16) methyl acetate	2.531	43	33668	11.22	ug/L #	58
17) methylene chloride	2.607	49	48331	Below Cal		98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	3.495	43	2421384	302.90	ug/L	99
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.313	43	737765	366.56	ug/L	99
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 400P0930.D
Acq On : 30 Sep 2014 12:27
Operator : DLV
Sample : STD8
Misc : KETONES ONLY
ALS Vial : 11 Sample Multiplier: 1
Quant Time: Sep 30 12:50:27 2014
Quant Method : C:\gcms\1\methods\8260S-15.M
Quant Title : 8260C : 5030 wtr
QLast Update : Tue Sep 30 12:32:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	8.160	63	597880	688.00 ug/L	98
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	8.583	43	1525044	380.63 ug/L	97
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	9.730	43	1133800	383.09 ug/L	95
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	0.000		0	N.D.	
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

INITIAL CALIBRATION STANDARDS

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Sequence: 4J02049
Calibration: 4J02011
Instrument: 350

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
4070715	8260 Tune Working Standard 07-17-14	4J02049-TUN1	BFB1002.D	10/02/14 07:41
4100002	1.0 ug/L A	4J02049-CAL1	1P1002.D	10/02/14 08:36
4100003	5.0 ug/L A	4J02049-CAL2	5P1002.D	10/02/14 09:02
4100004	10 ug/L A	4J02049-CAL3	10P1002.D	10/02/14 09:28
4100005	20 ug/L A	4J02049-CAL4	20P1002.D	10/02/14 09:54
4100006	40 ug/L A	4J02049-CAL5	40P1002.D	10/02/14 10:20
4100007	100 ug/L A	4J02049-CAL6	100P1002.D	10/02/14 10:46
4100008	200 ug/L A	4J02049-CAL7	200P1002.D	10/02/14 11:38
4100079	40 ug/L B	4J02049-SCV1	SCV1002.D	10/02/14 12:30

INITIAL CALIBRATION DATA
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Calibration: 4J02011

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration Date: 10/02/14 00:00
Instrument: 350

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
Acetone	1	~~0.5672912~~	5	0.2239324	10	0.1431109	20	0.1320076	40	0.1210624	100	0.1296554
Acrolein	1	0.1462426	5	9.178683E-02	10	8.174122E-02	20	7.434449E-02	40	7.269545E-02	100	7.690566E-02
Acrylonitrile	1	0.2054066	5	0.173221	10	0.1656734	20	0.1715345	40	0.1604514	100	0.1703512
Benzene	1	1.409466	5	1.242888	10	1.217947	20	1.233396	40	1.246931	100	1.24264
Bromobenzene	1	2.485707	5	1.880148	10	1.707473	20	1.668312	40	1.660062	100	1.596728
Bromochloromethane	1	0.3519594	5	0.2981852	10	0.2846761	20	0.294384	40	0.286018	100	0.287794
Bromodichloromethane	1	0.4810654	5	0.3832176	10	0.3932267	20	0.3943038	40	0.3982552	100	0.4040449
Bromoform	1	0.3699786	5	0.2969725	10	0.3066194	20	0.3104945	40	0.3147165	100	0.3259872
Bromomethane	1	0.2925628	5	0.247489	10	0.2190221	20	0.2063904	40	0.2025983	100	0.1945134
n-Butylbenzene	1	1.97645	5	1.950302	10	2.169552	20	2.456128	40	2.815771	100	2.974668
sec-Butylbenzene	1	4.381001	5	4.000431	10	3.863871	20	4.065776	40	4.118777	100	3.954093
tert-Butylbenzene	1	3.30017	5	2.822023	10	2.676113	20	2.750684	40	2.814809	100	2.667646
Carbon Disulfide	1	0.7691309	5	0.6805948	10	0.6247268	20	0.6485406	40	0.6864891	100	0.7124176
Carbon Tetrachloride	1	0.3386998	5	0.3228853	10	0.3156274	20	0.3423721	40	0.35244	100	0.3474129
Chlorobenzene	1	1.243682	5	1.175953	10	1.124657	20	1.172057	40	1.142942	100	1.139724
Chloroethane	1	0.3248975	5	0.2497761	10	0.2291215	20	0.2323868	40	0.2303012	100	0.2253782
2-Chloroethyl Vinyl Ether	1	~~6.769344E-02~~	5	0.0714931	10	6.987096E-02	20	7.965481E-02	40	8.299218E-02	100	0.108701
Chloroform	1	0.6443671	5	0.5390266	10	0.5568443	20	0.5410861	40	0.5449077	100	0.544069
1-Chlorohexane	1	0.4436617	5	0.3860819	10	0.3905897	20	0.4014283	40	0.4080482	100	0.3942513
Chloromethane	1	0.5655853	5	0.4696833	10	0.4220245	20	0.4339493	40	0.4198048	100	0.4054827
2-Chlorotoluene	1	1.406326	5	0.9759116	10	0.9991091	20	0.9634754	40	0.9314308	100	0.9047883
4-Chlorotoluene	1	4.443897	5	3.451579	10	3.287331	20	3.216181	40	3.250599	100	3.101143
Cyclohexane	1	0.6051313	5	0.5119022	10	0.4703009	20	0.4848204	40	0.4990371	100	0.4856669
1,2-Dibromo-3-chloropropane	1	0.2712945	5	0.156083	10	0.1759012	20	0.1851199	40	0.1965493	100	0.223578
Dibromochloromethane	1	0.5458133	5	0.4532773	10	0.4456153	20	0.4317433	40	0.4516832	100	0.4523207
1,2-Dibromoethane	1	0.4121789	5	0.3848926	10	0.41549	20	0.4090538	40	0.4155591	100	0.4169471
Dibromomethane	1	0.2250245	5	0.2239782	10	0.2076845	20	0.2123324	40	0.2113663	100	0.2157137
trans-1,4-Dichloro-2-butene	1	0.5950509	5	0.3452391	10	0.3152589	20	0.2890128	40	0.2950856	100	0.3131834
1,2-Dichlorobenzene	1	2.061375	5	1.729797	10	1.696974	20	1.681987	40	1.75317	100	1.72962
1,3-Dichlorobenzene	1	2.287453	5	1.858539	10	1.741362	20	1.764257	40	1.795159	100	1.75819
1,4-Dichlorobenzene	1	2.25586	5	1.940156	10	1.801199	20	1.747546	40	1.820007	100	1.754255

INITIAL CALIBRATION DATA
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Calibration: 4J02011

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration Date: 10/02/14 00:00
Instrument: 350

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
Dichlorodifluoromethane	1	0.3420341	5	0.3013261	10	0.3032694	20	0.2940509	40	0.3002846	100	0.2837087
1,1-Dichloroethane	1	0.6554555	5	0.5667303	10	0.5452141	20	0.5545131	40	0.5523835	100	0.5586716
1,2-Dichloroethane	1	0.4866484	5	0.4322214	10	0.4337072	20	0.4266175	40	0.4309032	100	0.4291166
1,1-Dichloroethene	1	0.291865	5	0.2483123	10	0.2612883	20	0.261182	40	0.2605997	100	0.2577897
cis-1,2-Dichloroethene	1	0.3877058	5	0.3162834	10	0.3240086	20	0.3316366	40	0.3307262	100	0.3312573
trans-1,2-Dichloroethene	1	0.3358308	5	0.2798736	10	0.2852839	20	0.2829517	40	0.2881518	100	0.2909318
1,2-Dichloroethene (Total)	2	0.3617683	10	0.2980785	20	0.3046462	40	0.3072941	80	0.309439	200	0.3110946
Dichlorofluoromethane	1	0.7030658	5	0.6005634	10	0.5926351	20	0.5913063	40	0.5813918	100	0.5757133
1,2-Dichloropropane	1	0.3963905	5	0.3301581	10	0.3346033	20	0.3350632	40	0.3431338	100	0.3423737
1,3-Dichloropropane	1	0.8210086	5	0.7709745	10	0.7729048	20	0.7740151	40	0.7688455	100	0.7717164
2,2-Dichloropropane	1	0.3670799	5	0.3475702	10	0.3336804	20	0.3330264	40	0.3311595	100	0.3346759
1,1-Dichloropropene	1	0.4349284	5	0.3907497	10	0.3781676	20	0.3963827	40	0.4040038	100	0.3986245
cis-1,3-Dichloropropene	1	0.4565624	5	0.419475	10	0.4325217	20	0.4384173	40	0.4491376	100	0.4701447
trans-1,3-Dichloropropene	1	0.3817352	5	0.3298532	10	0.3392553	20	0.3357409	40	0.3579138	100	0.393453
1,3-Dichloropropene (Total)	2	0.4191488	10	0.3746641	20	0.3858885	40	0.3870791	80	0.4035257	200	0.4317988
Ethylbenzene	1	2.134578	5	1.98754	10	1.970088	20	2.005223	40	2.016609	100	2.021555
Ethyl Ether	1	0.2470462	5	0.209646	10	0.2088776	20	0.2005479	40	0.201039	100	0.2054975
Hexachlorobutadiene	1	0.4002754	5	0.344884	10	0.3389356	20	0.3687164	40	0.4134517	100	0.4456883
Hexachloroethane	1	0.5005616	5	0.4252842	10	0.4047043	20	0.3769972	40	0.389954	100	0.4015397
2-Hexanone	1	0.4223383	5	0.3562173	10	0.3413902	20	0.3490507	40	0.3341965	100	0.3876253
Iodomethane	1	0.176096	5	0.1845647	10	0.2259776	20	0.2832809	40	0.3386067	100	0.3944714
Isopropylbenzene	1	4.944169	5	4.297785	10	4.048501	20	3.905453	40	3.963558	100	3.775579
4-Isopropyltoluene	1	3.217565	5	2.81137	10	2.970135	20	3.121096	40	3.336816	100	3.231578
Methyl Acetate	1	~~0.4395033~~	5	0.3095137	10	0.2812171	20	0.2867994	40	0.2907112	100	0.3006135
Methyl tert-Butyl Ether	1	0.9598046	5	0.8275757	10	0.8069376	20	0.8224488	40	0.8274559	100	0.8387975
Methylcyclohexane	1	0.5373603	5	0.4800665	10	0.4617621	20	0.4559027	40	0.4647802	100	0.4530928
Methylene Chloride	1	1.662715	5	0.634	10	0.5448539	20	0.467871	40	0.434621	100	0.4127245
2-Butanone (MEK)	1	~~0.2770546~~	5	0.1786794	10	0.1528427	20	0.164551	40	0.1586268	100	0.1856876
2-Methylnaphthalene	1	0.1855005	5	0.163286	10	0.1898441	20	0.2029183	40	0.2501885	100	0.3933084
4-Methyl-2-pentanone (MIBK)	1	0.3148947	5	0.3230988	10	0.3114405	20	0.3386928	40	0.3392747	100	0.3873424
Naphthalene	1	0.9564871	5	0.7120366	10	0.7780309	20	0.9395036	40	1.177321	100	1.845691

INITIAL CALIBRATION DATA
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Calibration: 4J02011
Calibration Date: 10/02/14 00:00
Instrument: 350

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
n-Propylbenzene	1	1.355313	5	1.071935	10	1.033955	20	1.013355	40	1.039722	100	0.9876192
Styrene	1	1.252613	5	1.195092	10	1.19856	20	1.226194	40	1.272103	100	1.274494
1,1,1,2-Tetrachloroethane	1	0.4520348	5	0.3891873	10	0.3860753	20	0.3786344	40	0.3889528	100	0.3921535
1,1,2,2-Tetrachloroethane	1	2.757002	5	1.675368	10	1.453893	20	1.414564	40	1.361523	100	1.320069
Tetrachloroethene	1	0.5566425	5	0.4636947	10	0.468231	20	0.4635426	40	0.4550771	100	0.4455566
Tetrahydrofuran	1	~~2.326235E-02~~	5	4.811948E-02	10	4.375939E-02	20	4.735642E-02	40	4.531513E-02	100	4.894442E-02
Toluene	1	1.503678	5	1.318483	10	1.248298	20	1.302767	40	1.314729	100	1.318831
1,2,3-Trichlorobenzene	1	0.4075215	5	0.3143979	10	0.3583075	20	0.4080356	40	0.5220463	100	0.7209234
1,2,4-Trichlorobenzene	1	0.4095504	5	0.3821674	10	0.4124291	20	0.4966614	40	0.6270857	100	0.8320714
1,1,1-Trichloroethane	1	0.4705974	5	0.4187584	10	0.4068903	20	0.4183055	40	0.4223127	100	0.4225696
1,1,2-Trichloroethane	1	0.3191595	5	0.275452	10	0.2729034	20	0.272197	40	0.2703678	100	0.2734551
Trichloroethene	1	0.3377693	5	0.2852253	10	0.3086943	20	0.2966773	40	0.3020595	100	0.3073869
Trichlorofluoromethane	1	0.5300714	5	0.4790144	10	0.4727095	20	0.4660448	40	0.4679466	100	0.4493863
1,2,3-Trichloropropane	1	0.6231658	5	0.4658141	10	0.393416	20	0.3683614	40	0.3665125	100	0.3616716
1,1,2-Trichloro-1,2,2-trifluoroe	1	0.3020229	5	0.2722806	10	0.2609281	20	0.2736213	40	0.2639283	100	0.2528555
1,2,4-Trimethylbenzene	1	3.223651	5	2.980439	10	3.112195	20	3.186288	40	3.301285	100	3.174764
1,3,5-Trimethylbenzene	1	3.713489	5	3.328113	10	3.299313	20	3.345787	40	3.438283	100	3.239082
Vinyl Acetate	1	0.6023398	5	0.5634065	10	0.4761535	20	0.5091514	40	0.5514655	100	0.5692675
Vinyl Chloride	1	0.4391932	5	0.4092442	10	0.3869465	20	0.3890126	40	0.3876054	100	0.3901137
Xylene, Meta + Para	2	0.7902515	10	0.7203191	20	0.7264708	40	0.7434198	80	0.7537859	200	0.7399406
Xylene, Ortho	1	0.7618388	5	0.716553	10	0.7230167	20	0.7348267	40	0.7355085	100	0.7350575
Xylene (Total)	3	0.7807806	15	0.7190638	30	0.7253194	60	0.7405554	120	0.7476934	300	0.7383129
Dibromofluoromethane	40	0.2731853	40	0.2634297	40	0.2606167	40	0.2563656	40	0.2620197	40	0.2697101
1,2-Dichloroethane-d4	40	0.1678747	40	0.1619229	40	0.1627584	40	0.1628932	40	0.1605068	40	0.1680716
Toluene-d8	40	0.9659866	40	0.9601939	40	0.9607501	40	0.9727286	40	0.978437	40	0.9927975
4-Bromofluorobenzene	40	0.4704472	40	0.4929619	40	0.5038545	40	0.5050071	40	0.5034196	40	0.5027923

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J02011

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/02/14 00:00

Instrument: 350

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
Acetone	200	0.1276663										
Acrolein	200	7.373659E-02										
Acrylonitrile	200	0.1714928										
Benzene	200	1.225461										
Bromobenzene	200	1.632454										
Bromochloromethane	200	0.2875182										
Bromodichloromethane	200	0.4044323										
Bromoform	200	0.337509										
Bromomethane	200	0.1985941										
n-Butylbenzene	200	3.06477										
sec-Butylbenzene	200	3.931033										
tert-Butylbenzene	200	2.634447										
Carbon Disulfide	200	0.694129										
Carbon Tetrachloride	200	0.3494687										
Chlorobenzene	200	1.13789										
Chloroethane	200	0.222495										
2-Chloroethyl Vinyl Ether	200	0.1237786										
Chloroform	200	0.5361404										
1-Chlorohexane	200	0.3927864										
Chloromethane	200	0.39836										
2-Chlorotoluene	200	0.9009851										
4-Chlorotoluene	200	3.10726										
Cyclohexane	200	0.4795826										
1,2-Dibromo-3-chloropropane	200	0.2580384										
Dibromochloromethane	200	0.4652293										
1,2-Dibromoethane	200	0.4259545										
Dibromomethane	200	0.2171293										
trans-1,4-Dichloro-2-butene	200	0.3233333										
1,2-Dichlorobenzene	200	1.729107										
1,3-Dichlorobenzene	200	1.743007										
1,4-Dichlorobenzene	200	1.750754										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J02011

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/02/14 00:00

Instrument: 350

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
Dichlorodifluoromethane	200	0.2821235										
1,1-Dichloroethane	200	0.5494849										
1,2-Dichloroethane	200	0.4232883										
1,1-Dichloroethene	200	0.25108										
cis-1,2-Dichloroethene	200	0.3258267										
trans-1,2-Dichloroethene	200	0.282034										
1,2-Dichloroethene (Total)	400	0.3039304										
Dichlorofluoromethane	200	0.5662789										
1,2-Dichloropropane	200	0.338895										
1,3-Dichloropropane	200	0.7636595										
2,2-Dichloropropane	200	0.3343568										
1,1-Dichloropropene	200	0.3972138										
cis-1,3-Dichloropropene	200	0.4869375										
trans-1,3-Dichloropropene	200	0.4087469										
1,3-Dichloropropene (Total)	400	0.4478422										
Ethylbenzene	200	2.016477										
Ethyl Ether	200	0.2014322										
Hexachlorobutadiene	200	0.4689273										
Hexachloroethane	200	0.4131705										
2-Hexanone	200	0.395754										
Iodomethane	200	0.3838715										
Isopropylbenzene	200	3.819899										
4-Isopropyltoluene	200	3.239288										
Methyl Acetate	200	0.3084863										
Methyl tert-Butyl Ether	200	0.8426709										
Methylcyclohexane	200	0.4536824										
Methylene Chloride	200	0.4023462										
2-Butanone (MEK)	200	0.1856209										
2-Methylnaphthalene	200	0.5937511										
4-Methyl-2-pentanone (MIBK)	200	0.3917033										
Naphthalene	200	2.570926										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J02011

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/02/14 00:00

Instrument: 350

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
n-Propylbenzene	200	0.9878861										
Styrene	200	1.274571										
1,1,1,2-Tetrachloroethane	200	0.3987466										
1,1,2,2-Tetrachloroethane	200	1.319175										
Tetrachloroethene	200	0.4338884										
Tetrahydrofuran	200	5.147119E-02										
Toluene	200	1.305857										
1,2,3-Trichlorobenzene	200	0.9132547										
1,2,4-Trichlorobenzene	200	1.016342										
1,1,1-Trichloroethane	200	0.4236533										
1,1,2-Trichloroethane	200	0.2698417										
Trichloroethene	200	0.3015624										
Trichlorofluoromethane	200	0.4452418										
1,2,3-Trichloropropane	200	0.3677183										
1,1,2-Trichloro-1,2,2-trifluoroe	200	0.2463373										
1,2,4-Trimethylbenzene	200	3.155054										
1,3,5-Trimethylbenzene	200	3.219414										
Vinyl Acetate	200	0.5624889										
Vinyl Chloride	200	0.3794524										
Xylene, Meta + Para	400	0.7392145										
Xylene, Ortho	200	0.7295616										
Xylene (Total)	600	0.7359969										
Dibromofluoromethane	40	0.2678259										
1,2-Dichloroethane-d4	40	0.1664766										
Toluene-d8	40	0.9926849										
4-Bromofluorobenzene	40	0.5105851										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J02011

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/02/14 00:00

Instrument: 350

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Acetone	0.1462392	26.48814	2.214167	0.1095907	0.99940		SPCC (0.1)	
Acrolein	8.820755E-02	29.96833	2.078857	0.1089921	0.99953		SPCC (0.1)	*
Acrylonitrile	0.1740187	8.345817	2.872	0.1189099			SPCC (0.1)	
Benzene	1.259818	5.302399	5.754857	3.198879E-02			SPCC (0.5)	
Bromobenzene	1.804412	17.39859	12.24286	2.781858E-02			SPCC (0.1)	
Bromochloromethane	0.2986478	8.037293	4.607143	1.585542E-02			SPCC (0.1)	
Bromodichloromethane	0.4083637	8.048165	7.643	2.604033E-02			SPCC (0.2)	
Bromoform	0.3231825	7.576053	11.65143	2.809966E-02			SPCC (0.1)	
Bromomethane	0.2230243	15.9094	1.483143	0.1540721			SPCC (0.1)	
n-Butylbenzene	2.486806	18.93366	14.04629	2.320284E-02			SPCC (0.1)	
sec-Butylbenzene	4.044997	4.219885	13.342	2.186489E-02			SPCC (0.1)	
tert-Butylbenzene	2.809413	8.129296	13.066	1.530653E-02			SPCC (0.1)	
Carbon Disulfide	0.6880041	6.722164	2.335286	0.1242476			SPCC (0.1)	
Carbon Tetrachloride	0.3384152	4.136985	5.378	1.299798E-02			SPCC (0.1)	
Chlorobenzene	1.162415	3.477076	10.59586	1.464689E-02			SPCC (0.5)	
Chloroethane	0.244908	14.83967	1.559429	0.1255017			SPCC (0.1)	
2-Chloroethyl Vinyl Ether	8.941511E-02	24.46407	8.154	2.584396E-02		0.9994955	SPCC (0.1)	*
Chloroform	0.558063	6.920731	4.795429	9.51063E-03			SPCC (0.2)	
1-Chlorohexane	0.4024068	4.865398	10.63614	8.439516E-03			SPCC (0.1)	
Chloromethane	0.4449843	13.03022	1.19	8.220071E-03			SPCC (0.1)	
2-Chlorotoluene	1.011718	17.57169	12.507	6.641934E-03			SPCC (0.1)	
4-Chlorotoluene	3.408284	13.8435	12.64971	0.0137453			SPCC (0.1)	
Cyclohexane	0.5052059	9.121046	5.16	1.453541E-02			SPCC (0.1)	
1,2-Dibromo-3-chloropropane	0.2095092	20.54551	14.98386	1.166424E-02		0.9999618	SPCC (0.05)	
Dibromochloromethane	0.4636689	8.105983	9.819857	2.360614E-02			SPCC (0.1)	
1,2-Dibromoethane	0.4114394	3.114697	9.932143	2.343809E-02			SPCC (0.1)	
Dibromomethane	0.2161756	2.987799	7.36	1.063249E-02			SPCC (0.1)	
trans-1,4-Dichloro-2-butene	0.3537377	30.53095	12.38914	1.071857E-02	0.99942		SPCC (0.1)	
1,2-Dichlorobenzene	1.768861	7.413294	14.007	1.384434E-02			SPCC (0.4)	
1,3-Dichlorobenzene	1.84971	10.66453	13.43771	2.322665E-02			SPCC (0.6)	
1,4-Dichlorobenzene	1.867111	9.865947	13.55486	7.991849E-03			SPCC (0.5)	
Dichlorodifluoromethane	0.300971	6.635681	1.066143	3.771322E-02			SPCC (0.1)	

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J02011

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/02/14 00:00

Instrument: 350

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
1,1-Dichloroethane	0.5689219	6.814746	3.380571	0.0933039			SPCC (0.1)	
1,2-Dichloroethane	0.4375004	5.018182	5.815571	5.438848E-02			SPCC (0.2)	
1,1-Dichloroethene	0.261731	5.445638	2.154286	0.0204964			SPCC (0.1)	
cis-1,2-Dichloroethene	0.3353492	7.073293	4.214714	6.602815E-02			SPCC (0.1)	
trans-1,2-Dichloroethene	0.2921511	6.71659	2.884857	7.740422E-02			SPCC (0.1)	
1,2-Dichloroethene (Total)	0.3137502	6.882757	4.214714	6.602815E-02			SPCC (0.1)	
Dichlorofluoromethane	0.6015649	7.680612	1.704857	0.1775794			SPCC (0.1)	
1,2-Dichloropropane	0.3458025	6.585099	7.189286	2.006468E-02			SPCC (0.1)	
1,3-Dichloropropane	0.7775892	2.500689	9.536286	1.080027E-02			SPCC (0.1)	
2,2-Dichloropropane	0.3402213	3.827072	4.200429	0.0589161			SPCC (0.1)	
1,1-Dichloropropene	0.4000101	4.355185	5.402	4.132884E-02			SPCC (0.1)	
cis-1,3-Dichloropropene	0.4504566	5.113948	8.301857	2.047162E-02			SPCC (0.2)	
trans-1,3-Dichloropropene	0.363814	8.544433	9.100143	3.277596E-02			SPCC (0.2)	
1,3-Dichloropropene (Total)	0.4071353	6.598842	9.100143	3.277596E-02			SPCC (0.1)	
Ethylbenzene	2.021724	2.624839	10.772	1.703159E-02			SPCC (0.1)	
Ethyl Ether	0.2105838	7.838336	1.978	4.978584E-03			SPCC (0.1)	
Hexachlorobutadiene	0.3972684	12.46474	16.242	6.80863E-03			SPCC (0.1)	
Hexachloroethane	0.4160302	9.704993	14.31357	3.053426E-03			SPCC (0.1)	
2-Hexanone	0.3695103	8.866809	9.720714	3.326991E-02			SPCC (0.1)	
Iodomethane	0.2838384	32.1802	2.278	0.0214911	0.99892		SPCC (0.1)	
Isopropylbenzene	4.107849	9.909043	11.913	7.15091E-03			SPCC (0.1)	
4-Isopropyltoluene	3.13255	5.825647	13.53857	1.761774E-02			SPCC (0.1)	
Methyl Acetate	0.2962235	3.967633	2.52	9.711715E-02			SPCC (0.1)	
Methyl tert-Butyl Ether	0.8465273	6.0574	2.905571	9.680691E-02			SPCC (0.1)	
Methylcyclohexane	0.4723781	6.377316	7.119	5.25393E-03			SPCC (0.1)	
Methylene Chloride	0.6513045	69.63257	2.601429	0.0229345	0.99996		SPCC (0.1)	
2-Butanone (MEK)	0.1710014	8.323128	4.29	0.1539504			SPCC (0.1)	
2-Methylnaphthalene	0.2826853	55.69718	17.69414	7.594454E-03		0.9999485	SPCC (0.1)	
4-Methyl-2-pentanone (MIBK)	0.3437782	9.609792	8.574571	4.055537E-02			SPCC (0.1)	
Naphthalene	1.282857	53.17585	16.29157	2.727353E-02		0.9997149	SPCC (0.1)	
n-Propylbenzene	1.069969	12.08749	12.43529	2.592454E-02			SPCC (0.1)	
Styrene	1.241947	2.841606	11.45229	1.826273E-02			SPCC (0.3)	

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J02011

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/02/14 00:00

Instrument: 350

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
1,1,1,2-Tetrachloroethane	0.3979692	6.181611	10.72471	8.413091E-03			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	1.614513	32.11132	12.31729	1.965751E-02	0.99998		SPCC (0.3)	
Tetrachloroethene	0.469519	8.569839	9.466	4.755702E-03			SPCC (0.2)	
Tetrahydrofuran	4.749434E-02	5.729661	4.709	0.1328015			SPCC (0.1)	*
Toluene	1.330378	6.033127	8.741285	0.0171106			SPCC (0.4)	
1,2,3-Trichlorobenzene	0.520641	42.12626	16.595	2.082888E-02		0.9996502	SPCC (0.1)	
1,2,4-Trichlorobenzene	0.5966153	40.90991	16.00271	2.142244E-02		0.9996295	SPCC (0.2)	
1,1,1-Trichloroethane	0.4261553	4.78651	5.078857	4.663802E-02			SPCC (0.1)	
1,1,2-Trichloroethane	0.2790538	6.373497	9.327286	0.0270282			SPCC (0.1)	
Trichloroethene	0.305625	5.294826	6.854143	1.021832E-02			SPCC (0.2)	
Trichlorofluoromethane	0.4729164	5.915279	1.743714	0.1100891			SPCC (0.1)	
1,2,3-Trichloropropane	0.4209514	22.89659	12.342	1.310505E-02	0.99987		SPCC (0.1)	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2674249	6.776389	2.160143	1.026345E-02			SPCC (0.1)	
1,2,4-Trimethylbenzene	3.161954	3.148032	13.12757	2.256835E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	3.369069	4.993169	12.67143	1.685291E-02			SPCC (0.1)	
Vinyl Acetate	0.5477533	7.649975	3.488286	8.592183E-02			SPCC (0.1)	
Vinyl Chloride	0.3973669	5.175528	1.260143	3.262532E-02			SPCC (0.1)	
Xylene, Meta + Para	0.7447717	3.070876	10.93029	1.094426E-02			SPCC (0.1)	
Xylene, Ortho	0.7337661	1.946087	11.42529	8.056532E-03			SPCC (0.3)	
Xylene (Total)	0.7411032	2.691227	11.42529	8.056532E-03			SPCC (0.1)	
Dibromofluoromethane	0.2647361	2.190627	5.095429	1.042168E-02			20	
1,2-Dichloroethane-d4	0.1643577	1.860632	5.684	2.199714E-02			20	
Toluene-d8	0.9747969	1.420073	8.649	3.329692E-02			20	
4-Bromofluorobenzene	0.4984382	2.688338	12.08314	2.375198E-02			20	

Method Path : C:\gcms\1\methods\
Method File : 8260-W39C.M
Title : 8260B : 5030
Last Update : Thu Oct 02 12:02:07 2014
Response Via : Initial Calibration

Calibration Files
1 =1P1002.D 2 =5P1002.D 3 =10P1002.D 4 =20P1002.D 5 =40P1002.D 6 =100P1002.D 7 =200P1002.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------								
2)		dichlorodifluo...	0.342	0.301	0.303	0.294	0.300	0.284	0.282	0.301	6.64
3)	P	chloromethane	0.566	0.470	0.422	0.434	0.420	0.405	0.398	0.445	13.03
4)	C	vinyl chloride	0.439	0.409	0.387	0.389	0.388	0.390	0.379	0.397	5.18#
5)		bromomethane	0.293	0.247	0.219	0.206	0.203	0.195	0.199	0.223	15.91
6)		chloroethane	0.325	0.250	0.229	0.232	0.230	0.225	0.222	0.245	14.84
7)		dichlorofluoro...	0.703	0.601	0.593	0.591	0.581	0.576	0.566	0.602	7.68
8)		trichlorofluor...	0.530	0.479	0.473	0.466	0.468	0.449	0.445	0.473	5.92
9)		ethyl ether	0.247	0.210	0.209	0.201	0.201	0.205	0.201	0.211	7.84
10)		acrolein	0.146	0.092	0.082	0.074	0.073	0.077	0.074	0.088	29.97
11)		1,1,2-trichlor...	0.302	0.272	0.261	0.274	0.264	0.253	0.246	0.267	6.78
12)	C	1,1-dichloroet...	0.292	0.248	0.261	0.261	0.261	0.258	0.251	0.262	5.45#
13)		acetone		0.224	0.143	0.132	0.121	0.130	0.128	0.146	26.49
14)		iodomethane	0.176	0.185	0.226	0.283	0.339	0.394	0.384	0.284	32.18
15)		carbon disulfide	0.769	0.681	0.625	0.649	0.686	0.712	0.694	0.688	6.72
16)		methyl acetate		0.310	0.281	0.287	0.291	0.301	0.308	0.296	3.97
17)		methylene chlo...	1.663	0.634	0.545	0.468	0.435	0.413	0.402	0.651	69.63
18)		acrylonitrile	0.205	0.173	0.166	0.172	0.160	0.170	0.171	0.174	8.35
19)		trans-1,2-dich...	0.336	0.280	0.285	0.283	0.288	0.291	0.282	0.292	6.72
20)		methyl (tert) ...	0.960	0.828	0.807	0.822	0.827	0.839	0.843	0.847	6.06
21)	P	1,1-dichloroet...	0.655	0.567	0.545	0.555	0.552	0.559	0.549	0.569	6.81
22)		vinyl acetate	0.602	0.563	0.476	0.509	0.551	0.569	0.562	0.548	7.65
23)		2,2-dichloropr...	0.367	0.348	0.334	0.333	0.331	0.335	0.334	0.340	3.83
24)		cis-1,2-dichlo...	0.388	0.316	0.324	0.332	0.331	0.331	0.326	0.335	7.07
25)		2-butanone (MEK)		0.179	0.153	0.165	0.159	0.186	0.186	0.171	8.32
26)		bromochloromet...	0.352	0.298	0.285	0.294	0.286	0.288	0.288	0.299	8.04
27)		tetrahydrofuran		0.048	0.044	0.047	0.045	0.049	0.051	0.047	5.73
28)	C	chloroform	0.644	0.539	0.557	0.541	0.545	0.544	0.536	0.558	6.92#
29)	S	#Dibromofluoro...	0.273	0.263	0.261	0.256	0.262	0.270	0.268	0.265	2.19
30)		1,1,1-trichlor...	0.471	0.419	0.407	0.418	0.422	0.423	0.424	0.426	4.79
31)		cyclohexane	0.605	0.512	0.470	0.485	0.499	0.486	0.480	0.505	9.12
32)		carbon tetrach...	0.339	0.323	0.316	0.342	0.352	0.347	0.349	0.338	4.14
33)		1,1-dichloropr...	0.435	0.391	0.378	0.396	0.404	0.399	0.397	0.400	4.36
34)		benzene	1.409	1.243	1.218	1.233	1.247	1.243	1.225	1.260	5.30
35)		1,2-dichloroet...	0.487	0.432	0.434	0.427	0.431	0.429	0.423	0.438	5.02
36)		heptane								0.000	-1.00
37)	s	#1,2-Dichloroe...	0.168	0.162	0.163	0.163	0.161	0.168	0.166	0.164	1.86
38)		trichloroethene	0.338	0.285	0.309	0.297	0.302	0.307	0.302	0.306	5.29

KEW 10-8-14

001503

Method Path : C:\gcms\1\methods\
Method File : 8260-W39C.M

39)		methylcyclohexane	0.537	0.480	0.462	0.456	0.465	0.453	0.454	0.472	6.38
40)	C	1,2-dichloropr...	0.396	0.330	0.335	0.335	0.343	0.342	0.339	0.346	6.59#
41)		dibromomethane	0.225	0.224	0.208	0.212	0.211	0.216	0.217	0.216	2.99
42)		bromodichlorom...	0.481	0.383	0.393	0.394	0.398	0.404	0.404	0.408	8.05
43)		2-chloroethyl ...		0.071	0.070	0.080	0.083	0.109	0.124	0.089	24.46
44)		cis-1,3-dichlo...	0.457	0.419	0.433	0.438	0.449	0.470	0.487	0.450	5.11
45)		4-methyl-2-pen...	0.315	0.323	0.311	0.339	0.339	0.387	0.392	0.344	9.61
46)	s	#Toluene-d8	0.966	0.960	0.961	0.973	0.978	0.993	0.993	0.975	1.42
47)	C	toluene	1.504	1.318	1.248	1.303	1.315	1.319	1.306	1.330	6.03#
48)		trans-1,3-dich...	0.382	0.330	0.339	0.336	0.358	0.393	0.409	0.364	8.54
49)		1,1,2-trichlor...	0.319	0.275	0.273	0.272	0.270	0.273	0.270	0.279	6.37
50)		Chlorobenzene-d5	----------	ISTD	----------						
51)		tetrachloroethene	0.557	0.464	0.468	0.464	0.455	0.446	0.434	0.470	8.57
52)		1,3-dichloropr...	0.821	0.771	0.773	0.774	0.769	0.772	0.764	0.778	2.50
53)		2-hexanone (MBK)	0.422	0.356	0.341	0.349	0.334	0.388	0.396	0.370	8.87
54)		dibromochlorom...	0.546	0.453	0.446	0.432	0.452	0.452	0.465	0.464	8.11
55)		1,2-dibromoethane	0.412	0.385	0.415	0.409	0.416	0.417	0.426	0.411	3.11
56)	P	chlorobenzene	1.244	1.176	1.125	1.172	1.143	1.140	1.138	1.162	3.48
57)		1-chlorohexane	0.444	0.386	0.391	0.401	0.408	0.394	0.393	0.402	4.87
58)		1,1,1,2-tetrac...	0.452	0.389	0.386	0.379	0.389	0.392	0.399	0.398	6.18
59)	C	ethylbenzene	2.135	1.988	1.970	2.005	2.017	2.022	2.016	2.022	2.62#
60)		m+p-xylene	0.790	0.720	0.726	0.743	0.754	0.740	0.739	0.745	3.07
61)		o-xylene	0.762	0.717	0.723	0.735	0.736	0.735	0.730	0.734	1.95
62)		styrene	1.253	1.195	1.199	1.226	1.272	1.274	1.275	1.242	2.84
63)	P	bromoform	0.370	0.297	0.307	0.310	0.315	0.326	0.338	0.323	7.58
64)	S	#4-Bromofluoro...	0.470	0.493	0.504	0.505	0.503	0.503	0.511	0.498	2.69
65)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
66)		isopropylbenzene	4.944	4.298	4.049	3.905	3.964	3.776	3.820	4.108	9.91
67)		bromobenzene	2.486	1.880	1.707	1.668	1.660	1.597	1.632	1.804	17.40
68)	P	1,1,2,2-tetrac...	2.757	1.675	1.454	1.415	1.362	1.320	1.319	1.615	32.11
69)		1,2,3-trichlor...	0.623	0.466	0.393	0.368	0.367	0.362	0.368	0.421	22.90
70)		1,4-dichloro-2...	0.595	0.345	0.315	0.289	0.295	0.313	0.323	0.354	30.53
71)		n-propylbenzene	1.355	1.072	1.034	1.013	1.040	0.988	0.988	1.070	12.09
72)		2-chlorotoluene	1.406	0.976	0.999	0.963	0.931	0.905	0.901	1.012	17.57
73)		1,3,5-trimethy...	3.713	3.328	3.299	3.346	3.438	3.239	3.219	3.369	4.99
74)		4-chlorotoluene	4.444	3.452	3.287	3.216	3.251	3.101	3.107	3.408	13.84
75)		tert-butylbenzene	3.300	2.822	2.676	2.751	2.815	2.668	2.634	2.809	8.13
76)		1,2,4-trimethy...	3.224	2.980	3.112	3.186	3.301	3.175	3.155	3.162	3.15
77)		sec-butylbenzene	4.381	4.000	3.864	4.066	4.119	3.954	3.931	4.045	4.22
78)		1,3-dichlorobe...	2.287	1.859	1.741	1.764	1.795	1.758	1.743	1.850	10.66
79)		4-isopropyltol...	3.218	2.811	2.970	3.121	3.337	3.232	3.239	3.133	5.83
80)		1,4-dichlorobe...	2.256	1.940	1.801	1.748	1.820	1.754	1.751	1.867	9.87
81)		1,2-dichlorobe...	2.061	1.730	1.697	1.682	1.753	1.730	1.729	1.769	7.41
82)		n-butylbenzene	1.976	1.950	2.170	2.456	2.816	2.975	3.065	2.487	18.93
83)		hexachloroethane	0.501	0.425	0.405	0.377	0.390	0.402	0.413	0.416	9.70
84)		1,2-dibromo-3-...	0.271	0.156	0.176	0.185	0.197	0.224	0.258	0.210	20.55

001504

Method Path : C:\gcms\1\methods\
Method File : 8260-W39C.M

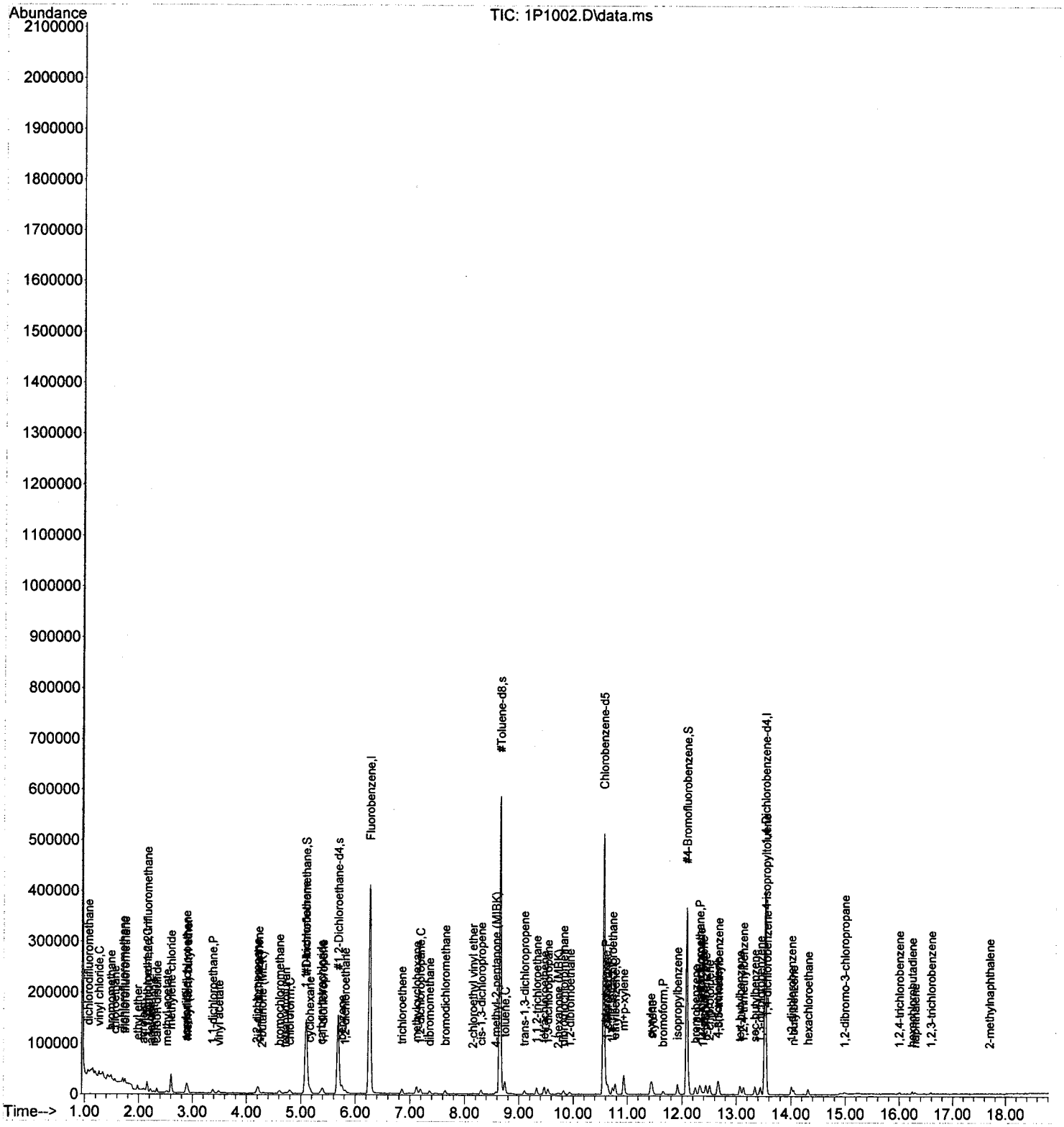
85)	1,2,4-trichlor...	0.410	0.382	0.412	0.497	0.627	0.832	1.016	0.597	40.91
86)	hexachlorobuta...	0.400	0.345	0.339	0.369	0.413	0.446	0.469	0.397	12.46
87)	naphthalene	0.956	0.712	0.778	0.940	1.177	1.846	2.571	1.283	53.18
88)	1,2,3-trichlor...	0.408	0.314	0.358	0.408	0.522	0.721	0.913	0.521	42.13
89)	2-methylnaphth...	0.186	0.163	0.190	0.203	0.250	0.393	0.594	0.283	55.70

(#) = Out of Range

001505

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1P1002.D
Acq On : 02 Oct 2014 08:36
Operator : DLV
Sample : STD1
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 02 08:57:26 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration



001506

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1P1002.D
Acq On : 02 Oct 2014 08:36
Operator : DLV
Sample : STD1
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 02 08:57:26 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	515855	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	358291	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	138005	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.095	111	140924	41.50	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.75%				
37) #1,2-Dichloroethane-d4	5.684	67	86599	39.21	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.03%				
46) #Toluene-d8	8.654	98	498309	39.56	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.90%				
64) #4-Bromofluorobenzene	12.083	95	168557	36.77	ug/L		0.00
Spiked Amount 40.000			Recovery = 91.93%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.066	85	4411	1.63	ug/L		88
3) chloromethane	1.190	50	7294	Below Cal			92
4) vinyl chloride	1.260	62	5664	1.29	ug/L		92
5) bromomethane	1.484	94	3773	1.52	ug/L		96
6) chloroethane	1.560	64	4190	1.65	ug/L		92
7) dichlorofluoromethane	1.707	67	9067	1.29	ug/L		96
8) trichlorofluoromethane	1.748	101	6836	1.22	ug/L		98
9) ethyl ether	1.978	74	3186	1.25	ug/L		87
10) acrolein	2.084	56	1886	0.63	ug/L	#	88
11) 1,1,2-trichloro-1,2,2-...	2.160	101	3895	1.17	ug/L		97
12) 1,1-dichloroethene	2.154	96	3764	1.12	ug/L		96
13) acetone	2.219	43	7316	3.46	ug/L		98
14) iodomethane	2.278	142	2271	5.05	ug/L	#	86
15) carbon disulfide	2.337	76	9919	1.02	ug/L	#	88
16) methyl acetate	2.525	43	5668	1.18	ug/L	#	65
17) methylene chloride	2.601	49	21443	2.25	ug/L		94
18) acrylonitrile	2.878	53	2649	1.06	ug/L		99
19) trans-1,2-dichloroethene	2.890	96	4331	1.16	ug/L		97
20) methyl (tert) butyl ether	2.907	73	12378	0.95	ug/L		99
21) 1,1-dichloroethane	3.378	63	8453	1.14	ug/L		98
22) vinyl acetate	3.490	43	7768	0.81	ug/L		93
23) 2,2-dichloropropane	4.195	77	4734	0.82	ug/L		83
24) cis-1,2-dichloroethene	4.219	96	5000	1.14	ug/L		90
25) 2-butanone (MEK)	4.290	43	3573	1.26	ug/L		77
26) bromochloromethane	4.607	49	4539	1.11	ug/L		94
27) tetrahydrofuran	4.719	71	300	0.42	ug/L	#	1
28) chloroform	4.795	83	8310	1.14	ug/L		97
30) 1,1,1-trichloroethane	5.084	97	6069	0.99	ug/L		94
31) cyclohexane	5.160	56	7804	1.14	ug/L		97
32) carbon tetrachloride	5.378	117	4368	0.94	ug/L		93
33) 1,1-dichloropropene	5.407	75	5609	1.06	ug/L		93
34) benzene	5.754	78	18177	1.11	ug/L	#	74
35) 1,2-dichloroethane	5.813	62	6276	1.03	ug/L		96
36) heptane	6.266	57	17675	No Calib			
38) trichloroethene	6.854	130	4356	1.06	ug/L		97

Quantitation Report (Not Reviewed)

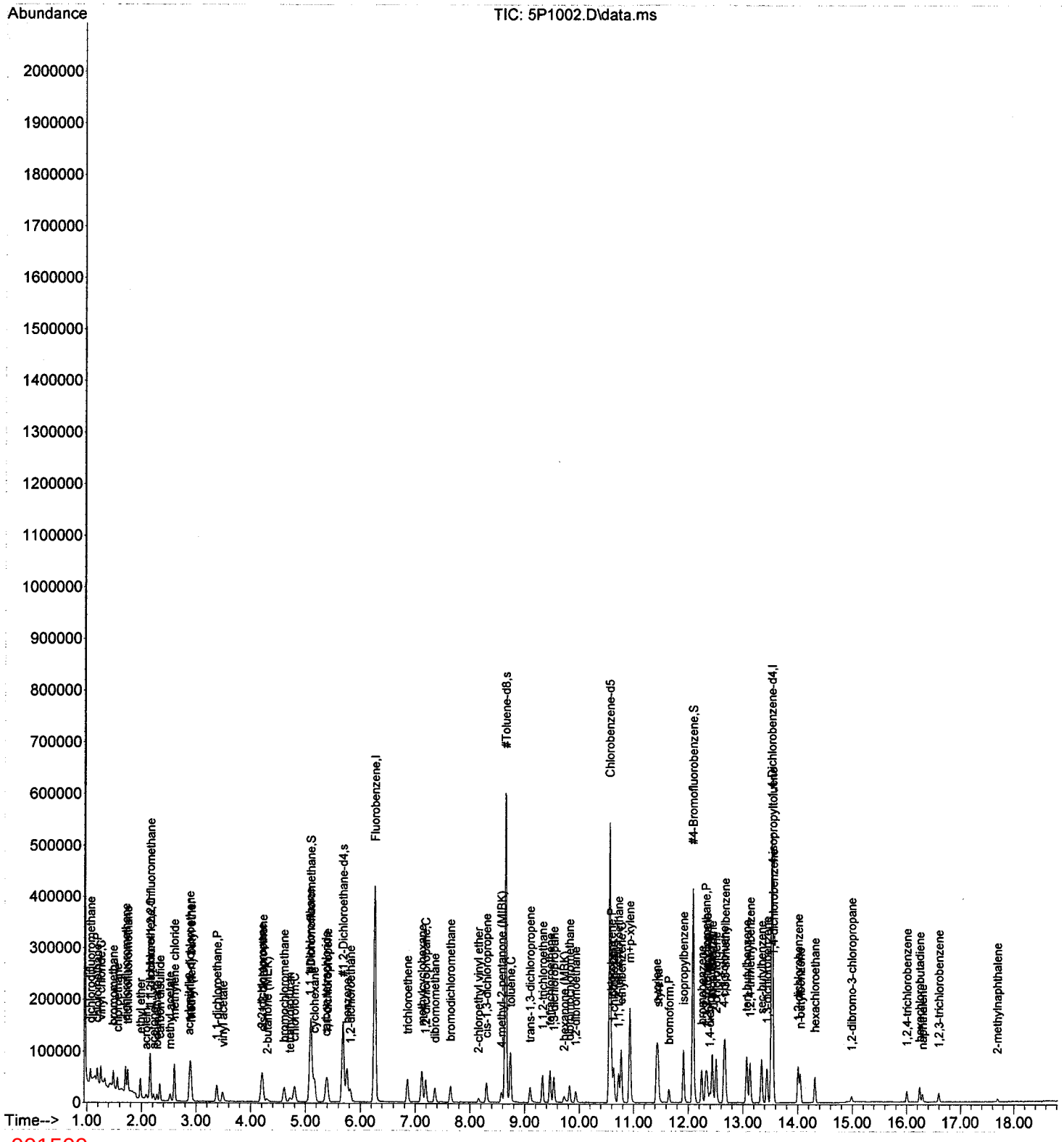
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 1P1002.D
Acq On : 02 Oct 2014 08:36
Operator : DLV
Sample : STD1
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 02 08:57:26 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	6930	1.12	ug/L		93
40) 1,2-dichloropropane	7.189	63	5112	1.16	ug/L	#	87
41) dibromomethane	7.360	93	2902	1.02	ug/L		99
42) bromodichloromethane	7.648	83	6204	1.18	ug/L		87
43) 2-chloroethyl vinyl ether	8.154	63	873	6.00	ug/L		77
44) cis-1,3-dichloropropene	8.307	75	5888	0.93	ug/L		99
45) 4-methyl-2-pentanone (...	8.578	43	4061	0.71	ug/L		97
47) toluene	8.742	91	19392	1.12	ug/L		100
48) trans-1,3-dichloropropene	9.101	75	4923	0.90	ug/L		90
49) 1,1,2-trichloroethane	9.330	83	4116	1.17	ug/L		95
51) tetrachloroethene	9.466	166	4986	1.04	ug/L		94
52) 1,3-dichloropropane	9.536	76	7354	1.05	ug/L		100
53) 2-hexanone (MBK)	9.725	43	3783	0.89	ug/L		81
54) dibromochloromethane	9.825	129	4889	1.22	ug/L		91
55) 1,2-dibromoethane	9.936	109	3692	0.95	ug/L	#	100
56) chlorobenzene	10.601	112	11140	1.05	ug/L	#	71
57) 1-chlorohexane	10.636	55	3974	1.09	ug/L	#	86
58) 1,1,1,2-tetrachloroethane	10.724	131	4049	1.12	ug/L		98
59) ethylbenzene	10.772	91	19120	1.04	ug/L		98
60) m+p-xylene	10.930	106	14157	2.09	ug/L		100
61) o-xylene	11.430	106	6824	1.01	ug/L		95
62) styrene	11.454	104	11220	1.07	ug/L		97
63) bromoform	11.648	173	3314	1.14	ug/L		94
66) isopropylbenzene	11.913	105	17058	1.26	ug/L		99
67) bromobenzene	12.248	77	8576	1.45	ug/L		92
68) 1,1,2,2-tetrachloroethane	12.319	83	9512	2.10	ug/L	#	98
69) 1,2,3-trichloropropane	12.342	110	2150	1.61	ug/L	#	81
70) 1,4-dichloro-2-butene	12.389	53	2053	1.63	ug/L	#	74
71) n-propylbenzene	12.436	120	4676	1.33	ug/L	#	87
72) 2-chlorotoluene	12.507	126	4852	1.48	ug/L		94
73) 1,3,5-trimethylbenzene	12.671	105	12812	1.12	ug/L		86
74) 4-chlorotoluene	12.654	91	15332	1.39	ug/L		99
75) tert-butylbenzene	13.066	119	11386	1.18	ug/L		96
76) 1,2,4-trimethylbenzene	13.130	105	11122	1.01	ug/L		97
77) sec-butylbenzene	13.342	105	15115	1.14	ug/L		95
78) 1,3-dichlorobenzene	13.442	146	7892	1.28	ug/L		97
79) 4-isopropyltoluene	13.542	119	11101	1.07	ug/L		96
80) 1,4-dichlorobenzene	13.560	146	7783	1.24	ug/L	#	68
81) 1,2-dichlorobenzene	14.007	146	7112	1.22	ug/L		95
82) n-butylbenzene	14.048	91	6819	0.79	ug/L		96
83) hexachloroethane	14.318	201	1727	1.42	ug/L		90
84) 1,2-dibromo-3-chloropr...	14.989	157	936	5.09	ug/L	#	77
85) 1,2,4-trichlorobenzene	16.001	180	1413	2.94	ug/L		95
86) hexachlorobutadiene	16.242	225	1381	0.99	ug/L	#	80
87) naphthalene	16.295	128	3300	3.13	ug/L		93
88) 1,2,3-trichlorobenzene	16.595	180	1406	3.05	ug/L		86
89) 2-methylnaphthalene	17.695	142	640	2.36	ug/L		83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 5P1002.D
Acq On : 02 Oct 2014 09:02
Operator : DLV
Sample : STD2
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 02 09:48:24 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration



001509

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 5P1002.D
Acq On : 02 Oct 2014 09:02
Operator : DLV
Sample : STD2
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 02 09:48:24 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	524694	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	363239	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	157711	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.096	111	138220	40.02	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.05%				
37) #1,2-Dichloroethane-d4	5.684	67	84960	37.82	ug/L		0.00
Spiked Amount 40.000			Recovery = 94.55%				
46) #Toluene-d8	8.649	98	503808	39.33	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.32%				
64) #4-Bromofluorobenzene	12.084	95	179063	38.53	ug/L		0.00
Spiked Amount 40.000			Recovery = 96.33%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.067	85	19763	7.17	ug/L		99
3) chloromethane	1.190	50	30805	3.90	ug/L		96
4) vinyl chloride	1.261	62	26841	6.03	ug/L		100
5) bromomethane	1.484	94	16232	6.42	ug/L		92
6) chloroethane	1.561	64	16382	6.32	ug/L		93
7) dichlorofluoromethane	1.708	67	39389	5.53	ug/L		99
8) trichlorofluoromethane	1.743	101	31417	5.53	ug/L		96
9) ethyl ether	1.978	74	13750	5.32	ug/L		95
10) acrolein	2.078	56	6020	4.83	ug/L	#	100
11) 1,1,2-trichloro-1,2,2-...	2.161	101	17858	5.27	ug/L		95
12) 1,1-dichloroethene	2.155	96	16286	4.75	ug/L		95
13) acetone	2.214	43	14687	6.83	ug/L		98
14) iodomethane	2.278	142	12105	7.11	ug/L		98
15) carbon disulfide	2.337	76	44638	4.53	ug/L		98
16) methyl acetate	2.519	43	20300	4.17	ug/L		97
17) methylene chloride	2.602	49	41582	5.79	ug/L		95
18) acrylonitrile	2.872	53	11361	4.46	ug/L		97
19) trans-1,2-dichloroethene	2.884	96	18356	4.84	ug/L		98
20) methyl (tert) butyl ether	2.908	73	54278	4.10	ug/L		99
21) 1,1-dichloroethane	3.384	63	37170	4.92	ug/L		97
22) vinyl acetate	3.490	43	36952	3.79	ug/L		97
23) 2,2-dichloropropane	4.202	77	22796	3.87	ug/L		99
24) cis-1,2-dichloroethene	4.219	96	20744	4.67	ug/L		98
25) 2-butanone (MEK)	4.302	43	11719	4.08	ug/L		94
26) bromochloromethane	4.608	49	19557	4.69	ug/L		95
27) tetrahydrofuran	4.713	71	3156	4.30	ug/L	#	90
28) chloroform	4.796	83	35353	4.77	ug/L		97
30) 1,1,1-trichloroethane	5.078	97	27465	4.42	ug/L		94
31) cyclohexane	5.160	56	33574	4.80	ug/L		98
32) carbon tetrachloride	5.378	117	21177	4.50	ug/L		97
33) 1,1-dichloropropene	5.402	75	25628	4.77	ug/L		99
34) benzene	5.760	78	81517	4.88	ug/L		99
35) 1,2-dichloroethane	5.819	62	28348	4.58	ug/L		96
36) heptane	6.266	57	19540	No Calib			
38) trichloroethene	6.855	130	18707	4.47	ug/L		91

Quantitation Report (Not Reviewed)

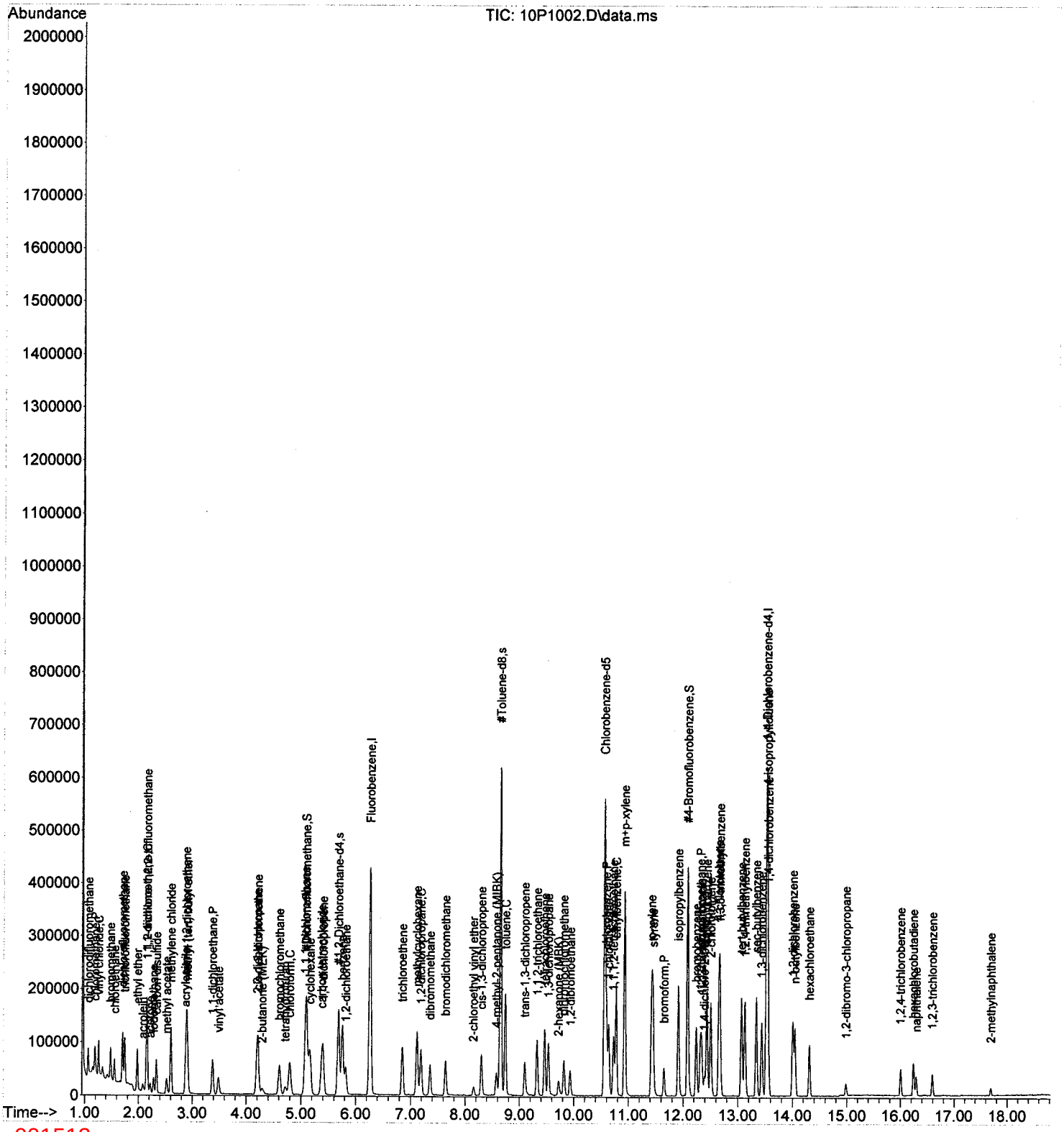
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 5P1002.D
Acq On : 02 Oct 2014 09:02
Operator : DLV
Sample : STD2
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 02 09:48:24 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	31486	5.01 ug/L	98
40) 1,2-dichloropropane	7.190	63	21654	4.83 ug/L	96
41) dibromomethane	7.360	93	14690	5.07 ug/L #	88
42) bromodichloromethane	7.643	83	25134	4.68 ug/L	97
43) 2-chloroethyl vinyl ether	8.154	63	4689	14.83 ug/L	89
44) cis-1,3-dichloropropene	8.301	75	27512	4.26 ug/L	93
45) 4-methyl-2-pentanone (...	8.578	43	21191	3.63 ug/L	97
47) toluene	8.743	91	86475	4.91 ug/L	99
48) trans-1,3-dichloropropene	9.101	75	21634	3.90 ug/L	96
49) 1,1,2-trichloroethane	9.331	83	18066	5.06 ug/L	95
51) tetrachloroethene	9.466	166	21054	4.32 ug/L	95
52) 1,3-dichloropropane	9.537	76	35006	4.93 ug/L	98
53) 2-hexanone (MBK)	9.725	43	16174	3.75 ug/L	97
54) dibromochloromethane	9.819	129	20581	5.07 ug/L	95
55) 1,2-dibromoethane	9.931	109	17476	4.45 ug/L #	100
56) chlorobenzene	10.595	112	53394	4.95 ug/L	94
57) 1-chlorohexane	10.637	55	17530	4.74 ug/L	99
58) 1,1,1,2-tetrachloroethane	10.725	131	17671	4.84 ug/L	99
59) ethylbenzene	10.772	91	90244	4.86 ug/L	99
60) m+p-xylene	10.931	106	65412	9.51 ug/L	100
61) o-xylene	11.425	106	32535	4.77 ug/L	100
62) styrene	11.454	104	54263	5.10 ug/L	98
63) bromoform	11.654	173	13484	4.58 ug/L	96
66) isopropylbenzene	11.913	105	84726	5.46 ug/L	100
67) bromobenzene	12.242	77	37065	5.50 ug/L	95
68) 1,1,2,2-tetrachloroethane	12.319	83	33028	6.39 ug/L #	97
69) 1,2,3-trichloropropane	12.342	110	9183	6.01 ug/L	97
70) 1,4-dichloro-2-butene	12.390	53	6806	4.72 ug/L #	25
71) n-propylbenzene	12.437	120	21132	5.28 ug/L	96
72) 2-chlorotoluene	12.507	126	19239	5.15 ug/L #	89
73) 1,3,5-trimethylbenzene	12.672	105	65610	5.00 ug/L	98
74) 4-chlorotoluene	12.648	91	68044	5.39 ug/L	100
75) tert-butylbenzene	13.066	119	55633	5.04 ug/L	96
76) 1,2,4-trimethylbenzene	13.131	105	58756	4.69 ug/L	97
77) sec-butylbenzene	13.342	105	78864	5.21 ug/L	99
78) 1,3-dichlorobenzene	13.442	146	36639	5.22 ug/L	99
79) 4-isopropyltoluene	13.542	119	55423	4.68 ug/L	99
80) 1,4-dichlorobenzene	13.554	146	38248	5.34 ug/L	96
81) 1,2-dichlorobenzene	14.007	146	34101	5.11 ug/L	95
82) n-butylbenzene	14.048	91	38448	3.92 ug/L	100
83) hexachloroethane	14.313	201	8384	6.04 ug/L	92
84) 1,2-dibromo-3-chloropr...	14.983	157	3077	7.10 ug/L	86
85) 1,2,4-trichlorobenzene	16.007	180	7534	5.29 ug/L	96
86) hexachlorobutadiene	16.242	225	6799	4.28 ug/L	94
87) naphthalene	16.295	128	14037	5.18 ug/L	99
88) 1,2,3-trichlorobenzene	16.595	180	6198	5.41 ug/L	92
89) 2-methylnaphthalene	17.689	142	3219	4.44 ug/L	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 10P1002.D
Acq On : 02 Oct 2014 09:28
Operator : DLV
Sample : STD3
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 02 09:48:31 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 10P1002.D
Acq On : 02 Oct 2014 09:28
Operator : DLV
Sample : STD3
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 02 09:48:31 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	533097	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	365939	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	167253	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.095	111	138934	39.59	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.98%			
37) #1,2-Dichloroethane-d4	5.684	67	86766	38.02	ug/L	0.00
Spiked Amount 40.000			Recovery = 95.05%			
46) #Toluene-d8	8.648	98	512173	39.35	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.38%			
64) #4-Bromofluorobenzene	12.083	95	184380	39.38	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.45%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	40418	14.42	ug/L	98
3) chloromethane	1.190	50	56245	8.51	ug/L	99
4) vinyl chloride	1.260	62	51570	11.40	ug/L	98
5) bromomethane	1.484	94	29190	11.36	ug/L	97
6) chloroethane	1.560	64	30536	11.60	ug/L	99
7) dichlorofluoromethane	1.707	67	78983	10.91	ug/L	97
8) trichlorofluoromethane	1.743	101	63000	10.91	ug/L	95
9) ethyl ether	1.978	74	27838	10.60	ug/L	98
10) acrolein	2.078	56	10894	9.64	ug/L	99
11) 1,1,2-trichloro-1,2,2-...	2.160	101	34775	10.10	ug/L	97
12) 1,1-dichloroethene	2.154	96	34823	10.00	ug/L	96
13) acetone	2.219	43	19073	8.73	ug/L	98
14) iodomethane	2.278	142	30117	10.80	ug/L	97
15) carbon disulfide	2.337	76	83260	8.31	ug/L	100
16) methyl acetate	2.525	43	37479	7.58	ug/L	96
17) methylene chloride	2.601	49	72615	11.14	ug/L	95
18) acrylonitrile	2.872	53	22080	8.54	ug/L	98
19) trans-1,2-dichloroethene	2.884	96	38021	9.87	ug/L	95
20) methyl (tert) butyl ether	2.907	73	107544	8.00	ug/L	99
21) 1,1-dichloroethane	3.378	63	72663	9.47	ug/L	98
22) vinyl acetate	3.490	43	63459	6.41	ug/L	100
23) 2,2-dichloropropane	4.201	77	44471	7.44	ug/L	96
24) cis-1,2-dichloroethene	4.213	96	43182	9.56	ug/L	92
25) 2-butanone (MEK)	4.290	43	20370	6.97	ug/L	89
26) bromochloromethane	4.607	49	37940	8.96	ug/L	98
27) tetrahydrofuran	4.713	71	5832	7.82	ug/L	92
28) chloroform	4.795	83	74213	9.85	ug/L	100
30) 1,1,1-trichloroethane	5.078	97	54228	8.60	ug/L	96
31) cyclohexane	5.160	56	62679	8.82	ug/L	95
32) carbon tetrachloride	5.378	117	42065	8.80	ug/L	94
33) 1,1-dichloropropene	5.401	75	50400	9.22	ug/L	95
34) benzene	5.754	78	162321	9.57	ug/L	91
35) 1,2-dichloroethane	5.819	62	57802	9.20	ug/L	99
36) heptane	6.266	57	19153	No Calib		
38) trichloroethene	6.854	130	41141	9.68	ug/L	97

Quantitation Report (Not Reviewed)

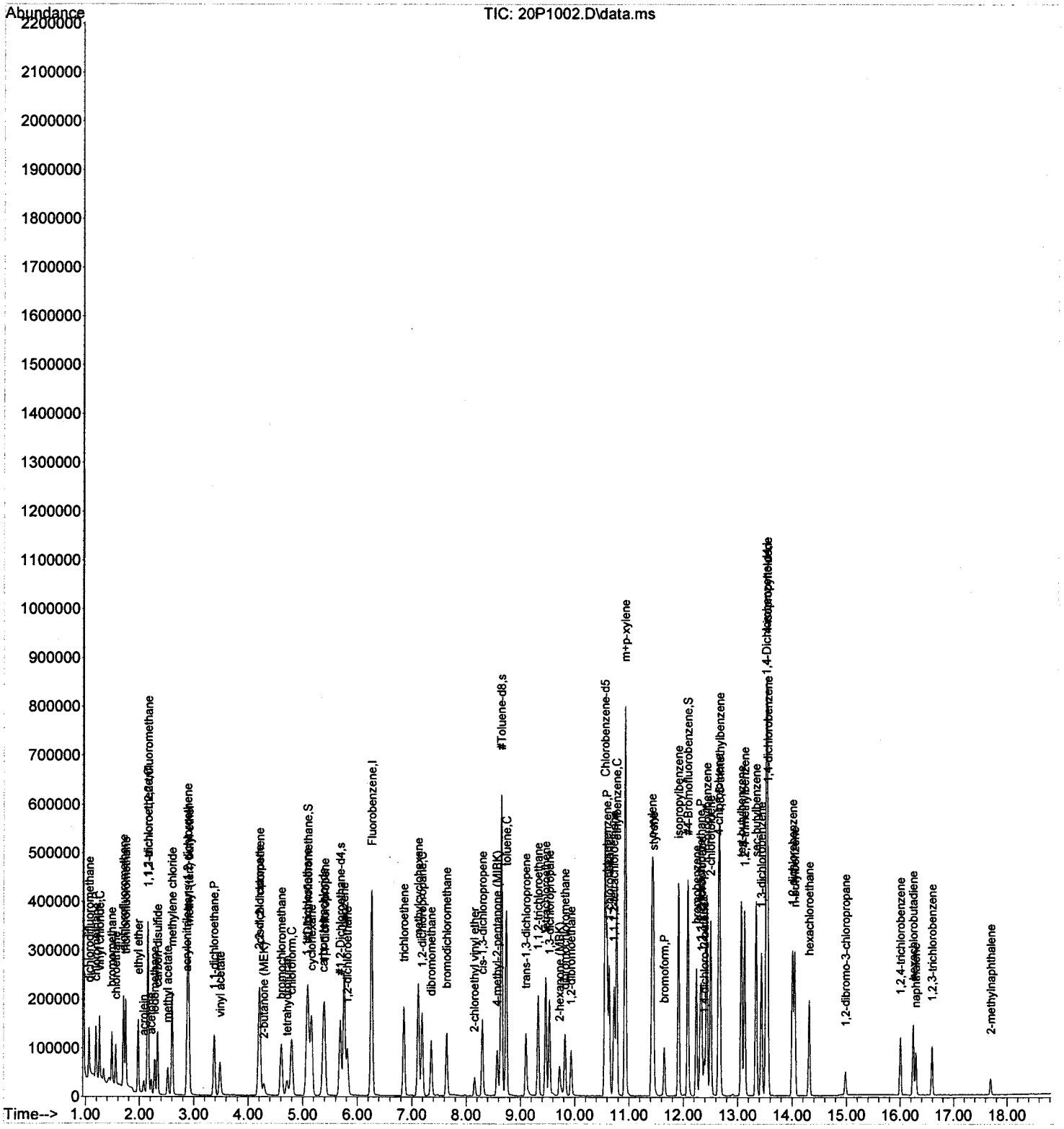
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 10P1002.D
Acq On : 02 Oct 2014 09:28
Operator : DLV
Sample : STD3
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 02 09:48:31 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	61541	9.65	ug/L		98
40)	1,2-dichloropropane	7.189	63	44594	9.78	ug/L		98
41)	dibromomethane	7.360	93	27679	9.41	ug/L		95
42)	bromodichloromethane	7.642	83	52407	9.61	ug/L		98
43)	2-chloroethyl vinyl ether	8.154	63	9312	24.70	ug/L		94
44)	cis-1,3-dichloropropene	8.301	75	57644	8.78	ug/L		94
45)	4-methyl-2-pentanone (...	8.578	43	41507	6.99	ug/L		98
47)	toluene	8.742	91	166366	9.30	ug/L		99
48)	trans-1,3-dichloropropene	9.101	75	45214	8.02	ug/L		94
49)	1,1,2-trichloroethane	9.330	83	36371	10.03	ug/L		96
51)	tetrachloroethene	9.466	166	42836	8.71	ug/L		96
52)	1,3-dichloropropane	9.536	76	70709	9.88	ug/L		99
53)	2-hexanone (MBK)	9.719	43	31232	7.18	ug/L		97
54)	dibromochloromethane	9.819	129	40767	9.97	ug/L		99
55)	1,2-dibromoethane	9.936	109	38011	9.61	ug/L	#	100
56)	chlorobenzene	10.595	112	102889	9.47	ug/L		97
57)	1-chlorohexane	10.636	55	35733	9.58	ug/L		99
58)	1,1,1,2-tetrachloroethane	10.725	131	35320	9.60	ug/L		99
59)	ethylbenzene	10.772	91	180233	9.63	ug/L		97
60)	m+p-xylene	10.930	106	132922	19.19	ug/L		99
61)	o-xylene	11.424	106	66145	9.62	ug/L		98
62)	styrene	11.454	104	109650	10.23	ug/L		98
63)	bromoform	11.654	173	28051	9.46	ug/L		98
66)	isopropylbenzene	11.913	105	169281	10.29	ug/L		99
67)	bromobenzene	12.242	77	71395	9.99	ug/L		97
68)	1,1,2,2-tetrachloroethane	12.319	83	60792	11.09	ug/L	#	99
69)	1,2,3-trichloropropane	12.342	110	16450	10.15	ug/L		96
70)	1,4-dichloro-2-butene	12.389	53	13182	8.63	ug/L	#	80
71)	n-propylbenzene	12.436	120	43233	10.18	ug/L		99
72)	2-chlorotoluene	12.507	126	41776	10.54	ug/L		100
73)	1,3,5-trimethylbenzene	12.671	105	137955	9.92	ug/L		99
74)	4-chlorotoluene	12.654	91	137454	10.27	ug/L		100
75)	tert-butylbenzene	13.066	119	111897	9.56	ug/L		97
76)	1,2,4-trimethylbenzene	13.130	105	130131	9.79	ug/L		100
77)	sec-butylbenzene	13.342	105	161561	10.07	ug/L		100
78)	1,3-dichlorobenzene	13.436	146	72812	9.78	ug/L		99
79)	4-isopropyltoluene	13.542	119	124191	9.89	ug/L		99
80)	1,4-dichlorobenzene	13.554	146	75314	9.91	ug/L		99
81)	1,2-dichlorobenzene	14.007	146	70956	10.02	ug/L		99
82)	n-butylbenzene	14.048	91	90716	8.71	ug/L		97
83)	hexachloroethane	14.313	201	16922	11.49	ug/L		96
84)	1,2-dibromo-3-chloropr...	14.983	157	7355	10.97	ug/L		99
85)	1,2,4-trichlorobenzene	16.001	180	17245	8.71	ug/L		93
86)	hexachlorobutadiene	16.242	225	14172	8.41	ug/L		97
87)	naphthalene	16.295	128	32532	8.44	ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	14982	9.40	ug/L		95
89)	2-methylnaphthalene	17.695	142	7938	7.90	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 20P1002.D
Acq On : 02 Oct 2014 09:54
Operator : DLV
Sample : STD4
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 02 10:23:48 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 20P1002.D
Acq On : 02 Oct 2014 09:54
Operator : DLV
Sample : STD4
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 02 10:23:48 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	522379	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	363781	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	174622	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.096	111	133920	38.94	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.35%		
37) #1,2-Dichloroethane-d4	5.684	67	85092	38.05	ug/L	0.00
Spiked Amount 40.000			Recovery =	95.13%		
46) #Toluene-d8	8.648	98	508133	39.84	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.60%		
64) #4-Bromofluorobenzene	12.083	95	183712	39.47	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.67%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	76803	27.97	ug/L	99
3) chloromethane	1.190	50	113343	19.49	ug/L	100
4) vinyl chloride	1.260	62	101606	22.92	ug/L	97
5) bromomethane	1.484	94	53907	21.42	ug/L	96
6) chloroethane	1.560	64	60697	23.54	ug/L	95
7) dichlorofluoromethane	1.702	67	154443	21.77	ug/L	99
8) trichlorofluoromethane	1.743	101	121726	21.50	ug/L	98
9) ethyl ether	1.978	74	52381	20.35	ug/L	100
10) acrolein	2.078	56	19418	18.62	ug/L	99
11) 1,1,2-trichloro-1,2,2-...	2.160	101	71467	21.18	ug/L	93
12) 1,1-dichloroethene	2.155	96	68218	20.00	ug/L	97
13) acetone	2.213	43	34479	16.10	ug/L	96
14) iodomethane	2.278	142	73990	20.19	ug/L	98
15) carbon disulfide	2.337	76	169392	17.25	ug/L	98
16) methyl acetate	2.519	43	74909	15.46	ug/L	96
17) methylene chloride	2.602	49	122203	20.31	ug/L	93
18) acrylonitrile	2.872	53	44803	17.68	ug/L	95
19) trans-1,2-dichloroethene	2.884	96	73904	19.58	ug/L	99
20) methyl (tert) butyl ether	2.907	73	214815	16.30	ug/L	99
21) 1,1-dichloroethane	3.378	63	144833	19.26	ug/L	99
22) vinyl acetate	3.490	43	132985	13.70	ug/L	98
23) 2,2-dichloropropane	4.202	77	86983	14.84	ug/L	98
24) cis-1,2-dichloroethene	4.213	96	86620	19.58	ug/L	93
25) 2-butanone (MEK)	4.290	43	42979	15.01	ug/L	92
26) bromochloromethane	4.607	49	76890	18.54	ug/L	98
27) tetrahydrofuran	4.713	71	12369	16.93	ug/L	93
28) chloroform	4.796	83	141326	19.15	ug/L	100
30) 1,1,1-trichloroethane	5.078	97	109257	17.68	ug/L	97
31) cyclohexane	5.160	56	126630	18.19	ug/L	97
32) carbon tetrachloride	5.378	117	89424	19.08	ug/L	100
33) 1,1-dichloropropene	5.401	75	103531	19.34	ug/L	99
34) benzene	5.754	78	322150	19.38	ug/L	98
35) 1,2-dichloroethane	5.813	62	111428	18.10	ug/L	98
36) heptane	6.266	57	18651	No Calib		
38) trichloroethene	6.854	130	77489	18.60	ug/L	95

Quantitation Report (Not Reviewed)

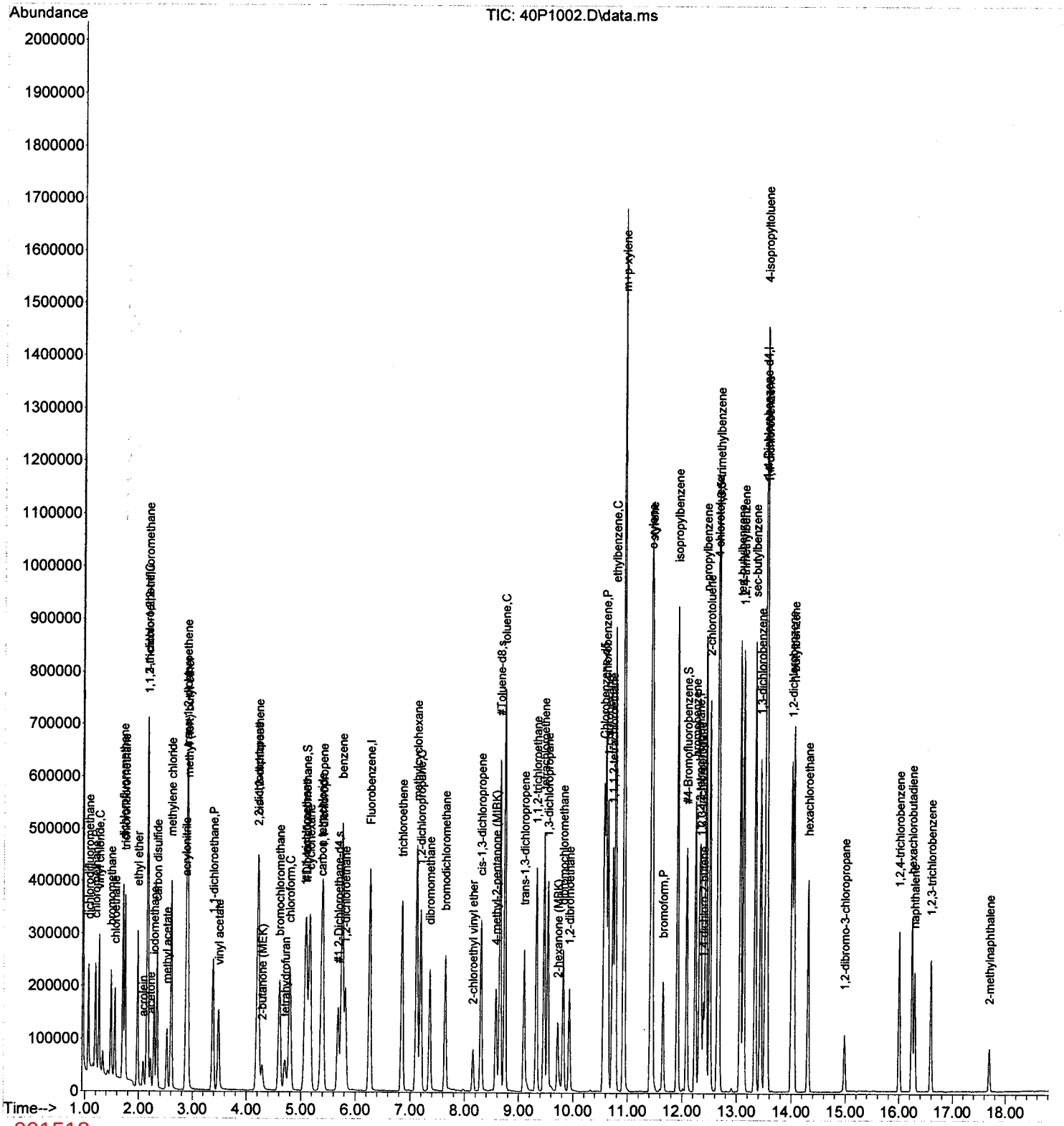
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 20P1002.D
Acq On : 02 Oct 2014 09:54
Operator : DLV
Sample : STD4
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 02 10:23:48 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	119077	19.05	ug/L		99
40)	1,2-dichloropropane	7.190	63	87515	19.59	ug/L		97
41)	dibromomethane	7.360	93	55459	19.24	ug/L		94
42)	bromodichloromethane	7.642	83	102988	19.27	ug/L		97
43)	2-chloroethyl vinyl ether	8.154	63	20805	48.35	ug/L		96
44)	cis-1,3-dichloropropene	8.301	75	114510	17.79	ug/L		94
45)	4-methyl-2-pentanone (...	8.572	43	88463	15.21	ug/L		99
47)	toluene	8.742	91	340269	19.42	ug/L		99
48)	trans-1,3-dichloropropene	9.101	75	87692	15.87	ug/L		95
49)	1,1,2-trichloroethane	9.325	83	71095	20.01	ug/L		97
51)	tetrachloroethene	9.466	166	84314	17.25	ug/L		96
52)	1,3-dichloropropane	9.537	76	140786	19.79	ug/L		98
53)	2-hexanone (MBK)	9.719	43	63489	14.69	ug/L		97
54)	dibromochloromethane	9.819	129	78530	19.32	ug/L		99
55)	1,2-dibromoethane	9.931	109	74403	18.91	ug/L	#	100
56)	chlorobenzene	10.595	112	213186	19.74	ug/L		97
57)	1-chlorohexane	10.636	55	73016	19.70	ug/L		95
58)	1,1,1,2-tetrachloroethane	10.725	131	68870	18.83	ug/L		96
59)	ethylbenzene	10.772	91	364731	19.61	ug/L		100
60)	m+p-xylene	10.931	106	270442	39.28	ug/L		100
61)	o-xylene	11.425	106	133658	19.55	ug/L		99
62)	styrene	11.454	104	223033	20.93	ug/L		100
63)	bromoform	11.654	173	56476	19.16	ug/L		98
66)	isopropylbenzene	11.913	105	340989	19.84	ug/L		99
67)	bromobenzene	12.242	77	145662	19.53	ug/L		95
68)	1,1,2,2-tetrachloroethane	12.319	83	123507	21.58	ug/L	#	96
69)	1,2,3-trichloropropane	12.342	110	32162	19.01	ug/L		95
70)	1,4-dichloro-2-butene	12.389	53	25234	15.82	ug/L	#	85
71)	n-propylbenzene	12.436	120	88477	19.95	ug/L		96
72)	2-chlorotoluene	12.507	126	84122	20.34	ug/L		99
73)	1,3,5-trimethylbenzene	12.672	105	292124	20.12	ug/L		99
74)	4-chlorotoluene	12.648	91	280808	20.09	ug/L		99
75)	tert-butylbenzene	13.066	119	240165	19.66	ug/L		100
76)	1,2,4-trimethylbenzene	13.130	105	278198	20.04	ug/L		99
77)	sec-butylbenzene	13.342	105	354987	21.20	ug/L		98
78)	1,3-dichlorobenzene	13.436	146	154039	19.81	ug/L		98
79)	4-isopropyltoluene	13.536	119	272506	20.79	ug/L		99
80)	1,4-dichlorobenzene	13.554	146	152580	19.22	ug/L		98
81)	1,2-dichlorobenzene	14.007	146	146856	19.87	ug/L		98
82)	n-butylbenzene	14.048	91	214447	19.73	ug/L		99
83)	hexachloroethane	14.313	201	32916	21.41	ug/L		96
84)	1,2-dibromo-3-chloropr...	14.983	157	16163	18.64	ug/L		99
85)	1,2,4-trichlorobenzene	16.007	180	43364	17.43	ug/L		98
86)	hexachlorobutadiene	16.242	225	32193	18.29	ug/L		96
87)	naphthalene	16.289	128	82029	16.62	ug/L		98
88)	1,2,3-trichlorobenzene	16.595	180	35626	18.19	ug/L		99
89)	2-methylnaphthalene	17.695	142	17717	14.52	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 40P1002.D
Acq On : 02 Oct 2014 10:20
Operator : DLV
Sample : STD5
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 02 10:48:26 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 40P1002.D
Acq On : 02 Oct 2014 10:20
Operator : DLV
Sample : STD5
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 02 10:48:26 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	523953	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	369199	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	177762	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.095	111	137286	39.80	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.50%			
37) #1,2-Dichloroethane-d4	5.684	67	84098	37.49	ug/L	0.00
Spiked Amount 40.000			Recovery = 93.73%			
46) #Toluene-d8	8.648	98	512655	40.07	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.18%			
64) #4-Bromofluorobenzene	12.083	95	185862	39.35	ug/L	0.00
Spiked Amount 40.000			Recovery = 98.38%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	157335	57.13	ug/L	99
3) chloromethane	1.190	50	219958	39.48	ug/L	99
4) vinyl chloride	1.260	62	203087	45.67	ug/L	99
5) bromomethane	1.484	94	106152	42.04	ug/L	96
6) chloroethane	1.560	64	120667	46.65	ug/L	96
7) dichlorofluoromethane	1.707	67	304622	42.81	ug/L	100
8) trichlorofluoromethane	1.743	101	245182	43.18	ug/L	99
9) ethyl ether	1.978	74	105335	40.80	ug/L	98
10) acrolein	2.078	56	38089	37.69	ug/L #	99
11) 1,1,2-trichloro-1,2,2-...	2.160	101	138286	40.87	ug/L	96
12) 1,1-dichloroethene	2.154	96	136542	39.91	ug/L	99
13) acetone	2.213	43	63431	29.53	ug/L	99
14) iodomethane	2.278	142	177414	41.91	ug/L	97
15) carbon disulfide	2.337	76	359688	36.53	ug/L	99
16) methyl acetate	2.519	43	152319	31.34	ug/L	96
17) methylene chloride	2.601	49	227721	39.15	ug/L	93
18) acrylonitrile	2.872	53	84069	33.08	ug/L	98
19) trans-1,2-dichloroethene	2.884	96	150978	39.88	ug/L	97
20) methyl (tert) butyl ether	2.907	73	433548	32.79	ug/L	98
21) 1,1-dichloroethane	3.384	63	289423	38.38	ug/L	99
22) vinyl acetate	3.490	43	288942	29.67	ug/L	96
23) 2,2-dichloropropane	4.201	77	173512	29.52	ug/L	96
24) cis-1,2-dichloroethene	4.213	96	173285	39.05	ug/L	93
25) 2-butanone (MEK)	4.290	43	83113	28.95	ug/L	92
26) bromochloromethane	4.607	49	149860	36.02	ug/L	98
27) tetrahydrofuran	4.713	71	23743	32.40	ug/L	99
28) chloroform	4.795	83	285506	38.56	ug/L	99
30) 1,1,1-trichloroethane	5.078	97	221272	35.70	ug/L	97
31) cyclohexane	5.160	56	261472	37.45	ug/L	98
32) carbon tetrachloride	5.378	117	184662	39.29	ug/L	97
33) 1,1-dichloropropene	5.401	75	211679	39.42	ug/L	99
34) benzene	5.754	78	653333	39.18	ug/L	98
35) 1,2-dichloroethane	5.813	62	225773	36.57	ug/L	99
36) heptane	6.266	57	19002	No Calib		
38) trichloroethene	6.854	130	158265	37.87	ug/L	99

Quantitation Report (Not Reviewed)

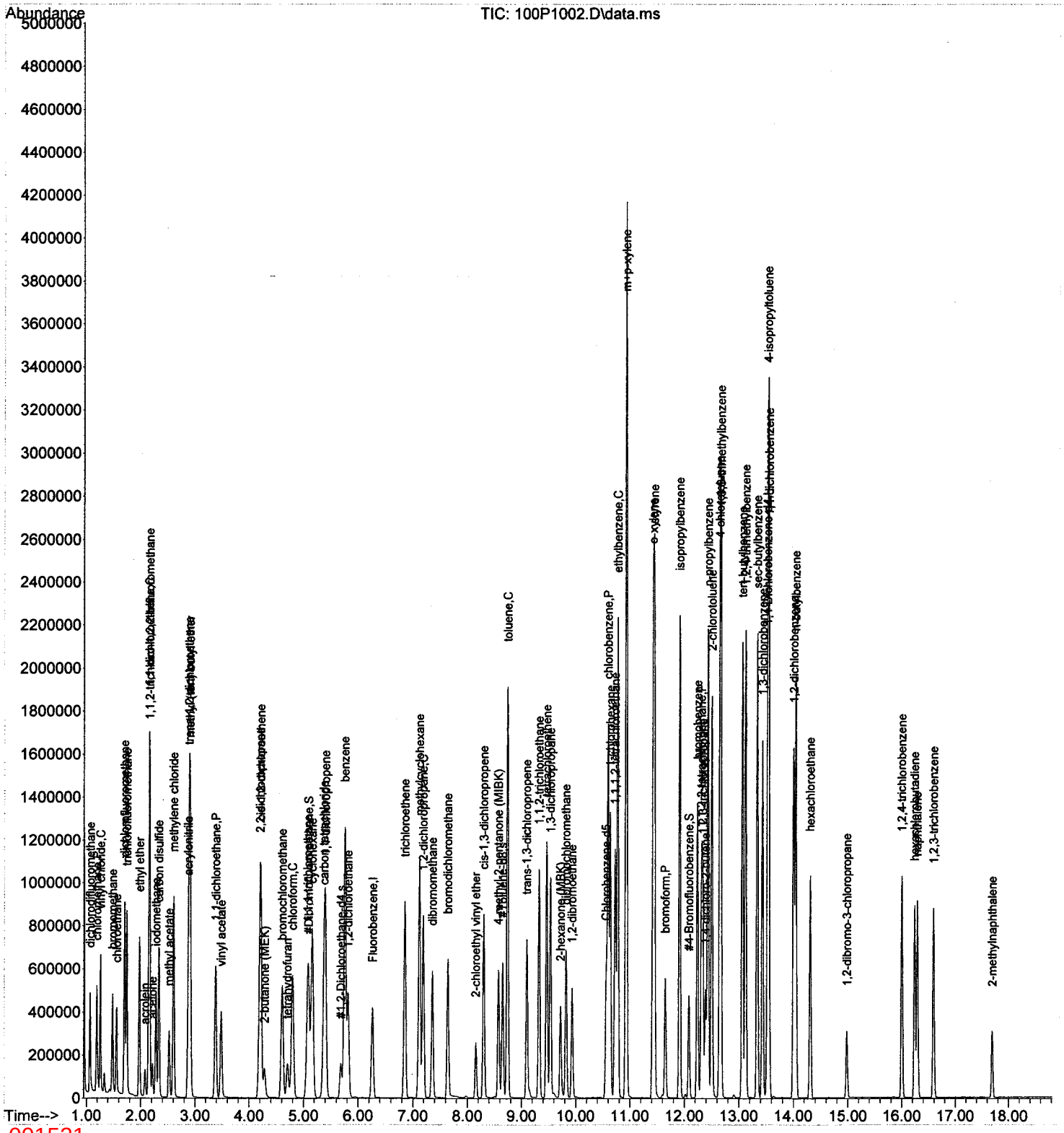
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 40P1002.D
Acq On : 02 Oct 2014 10:20
Operator : DLV
Sample : STD5
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 02 10:48:26 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	243523	38.84	ug/L		98
40)	1,2-dichloropropane	7.189	63	179786	40.13	ug/L		98
41)	dibromomethane	7.360	93	110746	38.31	ug/L		95
42)	bromodichloromethane	7.642	83	208667	38.93	ug/L		96
43)	2-chloroethyl vinyl ether	8.154	63	43484	87.69	ug/L		99
44)	cis-1,3-dichloropropene	8.301	75	235327	36.46	ug/L		93
45)	4-methyl-2-pentanone (...	8.572	43	177764	30.47	ug/L		99
47)	toluene	8.736	91	688856	39.19	ug/L		100
48)	trans-1,3-dichloropropene	9.101	75	187530	33.83	ug/L		94
49)	1,1,2-trichloroethane	9.325	83	141660	39.75	ug/L		98
51)	tetrachloroethene	9.466	166	168014	33.88	ug/L		95
52)	1,3-dichloropropane	9.536	76	283857	39.31	ug/L		98
53)	2-hexanone (MBK)	9.719	43	123385	28.12	ug/L		96
54)	dibromochloromethane	9.819	129	166761	40.43	ug/L		98
55)	1,2-dibromoethane	9.930	109	153424	38.43	ug/L	#	100
56)	chlorobenzene	10.595	112	421973	38.49	ug/L		98
57)	1-chlorohexane	10.636	55	150651	40.05	ug/L		98
58)	1,1,1,2-tetrachloroethane	10.725	131	143601	38.69	ug/L		97
59)	ethylbenzene	10.772	91	744530	39.44	ug/L		98
60)	m+p-xylene	10.930	106	556594	79.65	ug/L		99
61)	o-xylene	11.424	106	271549	39.14	ug/L		99
62)	styrene	11.448	104	469659	43.44	ug/L		97
63)	bromoform	11.648	173	116193	38.85	ug/L		99
66)	isopropylbenzene	11.913	105	704570	40.28	ug/L		99
67)	bromobenzene	12.242	77	295096	38.87	ug/L		96
68)	1,1,2,2-tetrachloroethane	12.313	83	242027	41.53	ug/L	#	98
69)	1,2,3-trichloropropane	12.342	110	65152	37.84	ug/L		96
70)	1,4-dichloro-2-butene	12.389	53	52455	32.30	ug/L		96
71)	n-propylbenzene	12.430	120	184823	40.94	ug/L		98
72)	2-chlorotoluene	12.507	126	165573	39.32	ug/L		96
73)	1,3,5-trimethylbenzene	12.671	105	611196	41.36	ug/L		98
74)	4-chlorotoluene	12.648	91	577833	40.61	ug/L		99
75)	tert-butylbenzene	13.066	119	500366	40.24	ug/L		99
76)	1,2,4-trimethylbenzene	13.124	105	586843	41.53	ug/L		99
77)	sec-butylbenzene	13.342	105	732162	42.94	ug/L		98
78)	1,3-dichlorobenzene	13.436	146	319111	40.32	ug/L		99
79)	4-isopropyltoluene	13.536	119	593159	44.46	ug/L		99
80)	1,4-dichlorobenzene	13.554	146	323528	40.04	ug/L		98
81)	1,2-dichlorobenzene	14.007	146	311647	41.42	ug/L		98
82)	n-butylbenzene	14.048	91	500537	45.23	ug/L		99
83)	hexachloroethane	14.313	201	69319	44.28	ug/L		98
84)	1,2-dibromo-3-chloropr...	14.983	157	34939	35.07	ug/L		94
85)	1,2,4-trichlorobenzene	16.001	180	111472	38.68	ug/L		100
86)	hexachlorobutadiene	16.242	225	73496	41.01	ug/L		97
87)	naphthalene	16.289	128	209283	35.89	ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	92800	40.82	ug/L		98
89)	2-methylnaphthalene	17.695	142	44474	31.10	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 100P1002.D
Acq On : 02 Oct 2014 10:46
Operator : DLV
Sample : STD6
Misc :
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 02 11:08:02 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 100P1002.D
Acq On : 02 Oct 2014 10:46
Operator : DLV
Sample : STD6
Misc :
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 02 11:08:02 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	514126	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	370660	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	183154	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.095	111	138665	40.97	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.42%				
37) #1,2-Dichloroethane-d4	5.684	67	86410	39.26	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.15%				
46) #Toluene-d8	8.648	98	510423	40.66	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.65%				
64) #4-Bromofluorobenzene	12.083	95	186365	39.30	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.25%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.066	85	364655	134.93	ug/L		99
3) chloromethane	1.190	50	521173	98.00	ug/L		99
4) vinyl chloride	1.260	62	501419	114.92	ug/L		98
5) bromomethane	1.484	94	250011	100.92	ug/L		98
6) chloroethane	1.560	64	289682	114.14	ug/L		96
7) dichlorofluoromethane	1.701	67	739973	105.98	ug/L		100
8) trichlorofluoromethane	1.743	101	577603	103.68	ug/L		99
9) ethyl ether	1.978	74	264129	104.25	ug/L		96
10) acrolein	2.078	56	98848	101.86	ug/L	#	94
11) 1,1,2-trichloro-1,2,2-...	2.160	101	324999	97.88	ug/L		96
12) 1,1-dichloroethene	2.154	96	331341	98.71	ug/L		96
13) acetone	2.213	43	166648	79.08	ug/L		100
14) iodomethane	2.278	142	507020	113.31	ug/L		97
15) carbon disulfide	2.331	76	915681	94.77	ug/L		99
16) methyl acetate	2.519	43	386383	81.03	ug/L		95
17) methylene chloride	2.601	49	530481	95.21	ug/L		94
18) acrylonitrile	2.872	53	218955	87.81	ug/L		99
19) trans-1,2-dichloroethene	2.884	96	373939	100.66	ug/L		96
20) methyl (tert) butyl ether	2.901	73	1078119	83.11	ug/L		100
21) 1,1-dichloroethane	3.384	63	718069	97.03	ug/L		98
22) vinyl acetate	3.484	43	731688	76.58	ug/L		97
23) 2,2-dichloropropane	4.201	77	430164	74.57	ug/L		98
24) cis-1,2-dichloroethene	4.213	96	425770	97.78	ug/L		93
25) 2-butanone (MEK)	4.284	43	238667	84.71	ug/L		92
26) bromochloromethane	4.607	49	369906	90.61	ug/L		98
27) tetrahydrofuran	4.701	71	62909	87.48	ug/L		96
28) chloroform	4.795	83	699300	96.26	ug/L		100
30) 1,1,1-trichloroethane	5.078	97	543135	89.30	ug/L		98
31) cyclohexane	5.160	56	624235	91.11	ug/L		98
32) carbon tetrachloride	5.378	117	446535	96.82	ug/L		97
33) 1,1-dichloropropene	5.401	75	512358	97.23	ug/L		99
34) benzene	5.754	78	1597184	97.61	ug/L		91
35) 1,2-dichloroethane	5.813	62	551550	91.04	ug/L		99
36) heptane	6.266	57	18785	No Calib			
38) trichloroethene	6.854	130	395089	96.34	ug/L		99

001522

Quantitation Report (Not Reviewed)

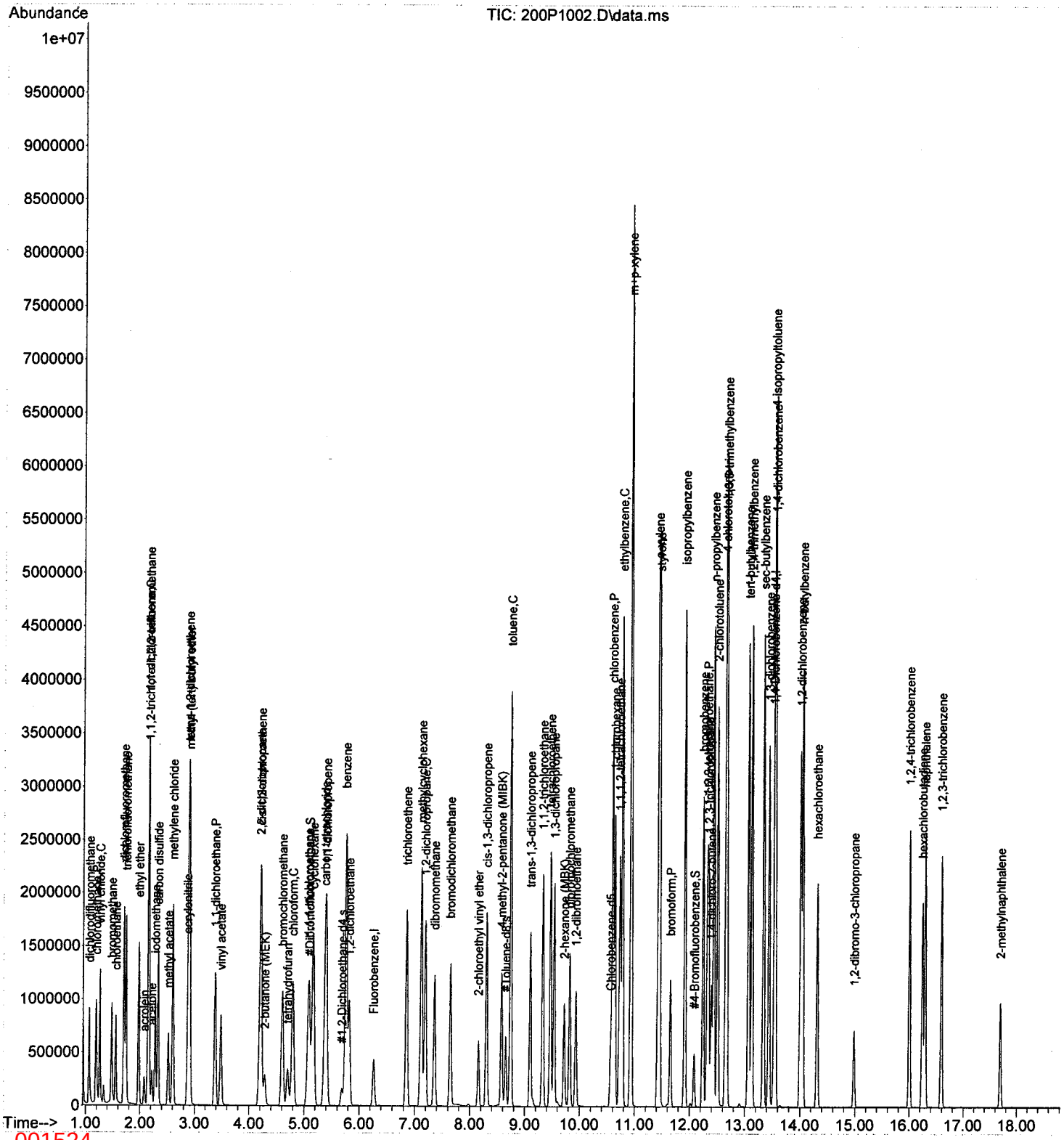
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 100P1002.D
Acq On : 02 Oct 2014 10:46
Operator : DLV
Sample : STD6
Misc :
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 02 11:08:02 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Sep 18 07:00:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	582367	94.65	ug/L		98
40) 1,2-dichloropropane	7.189	63	440058	100.09	ug/L		98
41) dibromomethane	7.360	93	277260	97.75	ug/L		95
42) bromodichloromethane	7.642	83	519325	98.73	ug/L		98
43) 2-chloroethyl vinyl ether	8.154	63	139715	213.94	ug/L		99
44) cis-1,3-dichloropropene	8.301	75	604284	95.41	ug/L		93
45) 4-methyl-2-pentanone (...	8.572	43	497857	86.97	ug/L		98
47) toluene	8.742	91	1695113	98.28	ug/L		99
48) trans-1,3-dichloropropene	9.095	75	505711	92.98	ug/L		94
49) 1,1,2-trichloroethane	9.325	83	351476	100.51	ug/L		99
51) tetrachloroethene	9.466	166	412875	82.93	ug/L		98
52) 1,3-dichloropropane	9.536	76	715111	98.64	ug/L		99
53) 2-hexanone (MBK)	9.719	43	359193	81.55	ug/L		96
54) dibromochloromethane	9.819	129	419143	101.21	ug/L		99
55) 1,2-dibromoethane	9.930	109	386364	96.39	ug/L	#	100
56) chlorobenzene	10.595	112	1056125	95.95	ug/L		97
57) 1-chlorohexane	10.636	55	365333	96.74	ug/L		98
58) 1,1,1,2-tetrachloroethane	10.724	131	363389	97.52	ug/L		98
59) ethylbenzene	10.772	91	1873274	98.84	ug/L		99
60) m+p-xylene	10.930	106	1371332	195.47	ug/L		99
61) o-xylene	11.424	106	681141	97.79	ug/L		99
62) styrene	11.448	104	1181010	108.79	ug/L		98
63) bromoform	11.648	173	302076	100.60	ug/L		100
66) isopropylbenzene	11.913	105	1728781	95.92	ug/L		99
67) bromobenzene	12.242	77	731118	93.46	ug/L		96
68) 1,1,2,2-tetrachloroethane	12.313	83	604440	100.67	ug/L	#	99
69) 1,2,3-trichloropropane	12.342	110	165604	93.35	ug/L		97
70) 1,4-dichloro-2-butene	12.389	53	143402	85.70	ug/L		97
71) n-propylbenzene	12.436	120	452216	97.22	ug/L		95
72) 2-chlorotoluene	12.507	126	414289	95.48	ug/L		98
73) 1,3,5-trimethylbenzene	12.671	105	1483127	97.41	ug/L		100
74) 4-chlorotoluene	12.648	91	1419967	96.85	ug/L		100
75) tert-butylbenzene	13.066	119	1221475	95.34	ug/L		99
76) 1,2,4-trimethylbenzene	13.124	105	1453677	99.84	ug/L		98
77) sec-butylbenzene	13.342	105	1810520	103.06	ug/L		98
78) 1,3-dichlorobenzene	13.436	146	805049	98.73	ug/L		99
79) 4-isopropyltoluene	13.536	119	1479691	107.64	ug/L		99
80) 1,4-dichlorobenzene	13.554	146	803247	96.48	ug/L		99
81) 1,2-dichlorobenzene	14.007	146	791967	102.16	ug/L		99
82) n-butylbenzene	14.042	91	1362056	119.46	ug/L		98
83) hexachloroethane	14.312	201	183859	114.00	ug/L		94
84) 1,2-dibromo-3-chloropr...	14.983	157	102373	92.32	ug/L		95
85) 1,2,4-trichlorobenzene	16.001	180	380993	106.92	ug/L		99
86) hexachlorobutadiene	16.242	225	204074	110.53	ug/L		95
87) naphthalene	16.289	128	845114	109.01	ug/L		99
88) 1,2,3-trichlorobenzene	16.595	180	330100	114.94	ug/L		99
89) 2-methylnaphthalene	17.695	142	180090	93.56	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 200P1002.D
Acq On : 02 Oct 2014 11:38
Operator : DLV
Sample : STD7
Misc :
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 02 11:58:05 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 11:09:20 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 200P1002.D
Acq On : 02 Oct 2014 11:38
Operator : DLV
Sample : STD7
Misc :
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 02 11:58:05 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 11:09:20 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.260	96	532189	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	383748	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	187586	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.096	111	142534	40.68	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.70%				
37) #1,2-Dichloroethane-d4	5.684	67	88597	38.89	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.23%				
46) #Toluene-d8	8.648	98	528296	40.66	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.65%				
64) #4-Bromofluorobenzene	12.083	95	195936	39.91	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.77%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.066	85	750715	268.36	ug/L		100
3) chloromethane	1.190	50	1060014	194.38	ug/L		99
4) vinyl chloride	1.260	62	1009702	223.56	ug/L		98
5) bromomethane	1.478	94	528448	206.07	ug/L		98
6) chloroethane	1.555	64	592047	225.36	ug/L		97
7) dichlorofluoromethane	1.702	67	1506837	208.49	ug/L		100
8) trichlorofluoromethane	1.743	101	1184764	205.44	ug/L		99
9) ethyl ether	1.978	74	536000	204.38	ug/L		97
10) acrolein	2.078	56	196209	196.53	ug/L	#	98
11) 1,1,2-trichloro-1,2,2-...	2.160	101	655490	190.71	ug/L		96
12) 1,1-dichloroethene	2.154	96	668110	192.28	ug/L		100
13) acetone	2.213	43	339713	155.73	ug/L		100
14) iodomethane	2.278	142	1021461	216.21	ug/L		97
15) carbon disulfide	2.331	76	1847039	184.68	ug/L		100
16) methyl acetate	2.519	43	820865	166.30	ug/L		96
17) methylene chloride	2.602	49	1070621	187.19	ug/L		94
18) acrylonitrile	2.866	53	456333	176.79	ug/L		98
19) trans-1,2-dichloroethene	2.884	96	750477	195.16	ug/L		98
20) methyl (tert) butyl ether	2.902	73	2242301	166.99	ug/L		99
21) 1,1-dichloroethane	3.378	63	1462149	190.87	ug/L		99
22) vinyl acetate	3.484	43	1496752	151.33	ug/L		97
23) 2,2-dichloropropane	4.201	77	889705	149.00	ug/L		97
24) cis-1,2-dichloroethene	4.213	96	867007	192.35	ug/L		94
25) 2-butanone (MEK)	4.284	43	493927	169.35	ug/L		92
26) bromochloromethane	4.607	49	765070	181.05	ug/L		98
27) tetrahydrofuran	4.701	71	136962	183.98	ug/L		92
28) chloroform	4.796	83	1426640	189.72	ug/L		99
30) 1,1,1-trichloroethane	5.078	97	1127318	179.06	ug/L		98
31) cyclohexane	5.160	56	1276143	179.93	ug/L		97
32) carbon tetrachloride	5.378	117	929917	194.79	ug/L		99
33) 1,1-dichloropropene	5.401	75	1056964	193.77	ug/L		99
34) benzene	5.754	78	3260885	192.52	ug/L		92
35) 1,2-dichloroethane	5.819	62	1126347	179.60	ug/L		99
36) heptane	6.260	57	19707	No Calib			
38) trichloroethene	6.854	130	802441	189.03	ug/L		98

001525

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : 200P1002.D
Acq On : 02 Oct 2014 11:38
Operator : DLV
Sample : STD7
Misc :
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 02 11:58:05 2014
Quant Method : C:\gcms\1\methods\8260B-W38.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 11:09:20 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	1207224	189.55 ug/L	97
40) 1,2-dichloropropane	7.189	63	901781	198.15 ug/L	97
41) dibromomethane	7.360	93	577769	196.79 ug/L	95
42) bromodichloromethane	7.642	83	1076172	197.66 ug/L	98
43) 2-chloroethyl vinyl ether	8.154	63	329368	373.06 ug/L	98
44) cis-1,3-dichloropropene	8.301	75	1295714	197.63 ug/L	93
45) 4-methyl-2-pentanone (...	8.572	43	1042301	175.91 ug/L	97
47) toluene	8.742	91	3474814	194.62 ug/L	99
48) trans-1,3-dichloropropene	9.101	75	1087653	193.19 ug/L	93
49) 1,1,2-trichloroethane	9.325	83	718034	198.36 ug/L	99
51) tetrachloroethene	9.466	166	832519	161.51 ug/L	97
52) 1,3-dichloropropane	9.536	76	1465264	195.23 ug/L	99
53) 2-hexanone (MBK)	9.719	43	759349	166.51 ug/L	95
54) dibromochloromethane	9.819	129	892654	208.20 ug/L	98
55) 1,2-dibromoethane	9.931	109	817296	196.95 ug/L #	100
56) chlorobenzene	10.595	112	2183316	191.60 ug/L	97
57) 1-chlorohexane	10.636	55	753655	192.77 ug/L	100
58) 1,1,1,2-tetrachloroethane	10.725	131	765091	198.31 ug/L	98
59) ethylbenzene	10.772	91	3869095	197.19 ug/L	99
60) m+p-xylene	10.930	106	2836721	390.55 ug/L	99
61) o-xylene	11.425	106	1399839	194.12 ug/L	99
62) styrene	11.454	104	2445571	217.60 ug/L	98
63) bromoform	11.654	173	647592	208.31 ug/L	98
66) isopropylbenzene	11.913	105	3582798	194.09 ug/L	100
67) bromobenzene	12.242	77	1531128	191.09 ug/L	95
68) 1,1,2,2-tetrachloroethane	12.319	83	1237294	201.21 ug/L #	99
69) 1,2,3-trichloropropane	12.342	110	344894	189.81 ug/L	98
70) 1,4-dichloro-2-butene	12.389	53	303264	176.95 ug/L	94
71) n-propylbenzene	12.436	120	926568	194.48 ug/L	95
72) 2-chlorotoluene	12.507	126	845061	190.17 ug/L	100
73) 1,3,5-trimethylbenzene	12.672	105	3019585	193.64 ug/L	99
74) 4-chlorotoluene	12.648	91	2914392	194.08 ug/L	100
75) tert-butylbenzene	13.066	119	2470927	188.31 ug/L	98
76) 1,2,4-trimethylbenzene	13.124	105	2959220	198.45 ug/L	99
77) sec-butylbenzene	13.342	105	3687034	204.93 ug/L	98
78) 1,3-dichlorobenzene	13.436	146	1634819	195.75 ug/L	99
79) 4-isopropyltoluene	13.536	119	3038225	215.79 ug/L	99
80) 1,4-dichlorobenzene	13.554	146	1642085	192.58 ug/L	99
81) 1,2-dichlorobenzene	14.007	146	1621781	204.26 ug/L	99
82) n-butylbenzene	14.042	91	2874540	246.16 ug/L	99
83) hexachloroethane	14.313	201	387525	234.61 ug/L	92
84) 1,2-dibromo-3-chloropr...	14.983	157	242022	207.84 ug/L	99
85) 1,2,4-trichlorobenzene	16.001	180	953258	213.81 ug/L	99
86) hexachlorobutadiene	16.242	225	439821	232.59 ug/L	96
87) naphthalene	16.289	128	2411349	229.22 ug/L	98
88) 1,2,3-trichlorobenzene	16.595	180	856569	231.95 ug/L	99
89) 2-methylnaphthalene	17.695	142	556897	204.99 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

INITIAL CALIBRATION STANDARDS

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J08047

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J08013

Instrument: 350

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
4070715	8260 Tune Working Standard 07-17-14	4J08047-TUN1	BFB1008.D	10/08/14 09:01
4100373	1.0 ug/L A	4J08047-CAL1	1P1008.D	10/08/14 09:36
4100374	5.0 ug/L A	4J08047-CAL2	5P1008.D	10/08/14 10:00
4100375	10 ug/L A	4J08047-CAL3	10P1008.D	10/08/14 10:23
4100376	20 ug/L A	4J08047-CAL4	20P1008.D	10/08/14 10:47
4100377	40 ug/L A	4J08047-CAL5	40P1008.D	10/08/14 11:10
4100378	100 ug/L A	4J08047-CAL6	100P1008.D	10/08/14 11:34
4100379	200 ug/L A	4J08047-CAL7	200P1008.D	10/08/14 12:21
4100366	40 ug/L B	4J08047-SCV1	SCV1008.D	10/08/14 13:08

INITIAL CALIBRATION DATA

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J08013

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/08/14 00:00

Instrument: 350

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
Acetone	1	~~0.8742779~~	5	0.2319844	10	0.1650556	20	0.1341102	40	0.1205788	100	0.1111289
Acrolein	1	0.1466716	5	6.612051E-02	10	6.783978E-02	20	6.194167E-02	40	5.479759E-02	100	5.559415E-02
Acrylonitrile	1	0.2277922	5	0.1526903	10	0.1436965	20	0.1501431	40	0.1370483	100	0.1325449
Benzene	1	1.428635	5	1.412977	10	1.394507	20	1.359941	40	1.346072	100	1.385546
Bromobenzene	1	2.088258	5	1.888665	10	1.770682	20	1.719224	40	1.705656	100	1.784996
Bromochloromethane	1	0.3419363	5	0.3096101	10	0.3015937	20	0.2901256	40	0.2796659	100	0.2900504
Bromodichloromethane	1	0.3799182	5	0.3823853	10	0.3727908	20	0.3763357	40	0.3820104	100	0.4050783
Bromoform	1	0.2618694	5	0.2126868	10	0.2314045	20	0.2386176	40	0.2486297	100	0.274712
Bromomethane	1	0.3701996	5	0.3193497	10	0.3093502	20	0.2740519	40	0.258166	100	0.2403961
n-Butylbenzene	1	3.780589	5	3.716546	10	3.819315	20	3.987968	40	3.912295	100	4.232946
sec-Butylbenzene	1	5.102299	5	5.109961	10	5.077535	20	5.021682	40	4.887509	100	5.17002
tert-Butylbenzene	1	4.198426	5	3.312146	10	3.284903	20	3.223335	40	3.185004	100	3.360447
Carbon Disulfide	1	0.8542457	5	0.7235229	10	0.7367253	20	0.7171982	40	0.8406677	100	0.8705056
Carbon Tetrachloride	1	0.2931449	5	0.3400899	10	0.3437524	20	0.3493221	40	0.3668615	100	0.4069948
Chlorobenzene	1	1.479168	5	1.381411	10	1.35916	20	1.282436	40	1.292272	100	1.322732
Chloroethane	1	0.313078	5	0.2708458	10	0.2694779	20	0.2599849	40	0.2361456	100	0.2529772
2-Chloroethyl Vinyl Ether	1	6.644354E-02	5	5.418855E-02	10	5.704445E-02	20	5.666018E-02	40	6.574647E-02	100	0.0716868
Chloroform	1	0.6724681	5	0.6203454	10	0.6042004	20	0.5791562	40	0.5684999	100	0.5894834
1-Chlorohexane	1	0.6901397	5	0.5512318	10	0.5301266	20	0.5036527	40	0.497513	100	0.5099574
Chloromethane	1	0.6853601	5	0.5218825	10	0.4974821	20	0.4804172	40	0.4614904	100	0.4624814
2-Chlorotoluene	1	1.180373	5	1.136966	10	1.100554	20	1.029373	40	1.041479	100	1.081204
4-Chlorotoluene	1	4.143496	5	3.787134	10	3.72926	20	3.659867	40	3.578678	100	3.755174
Cyclohexane	1	0.7068799	5	0.6360995	10	0.6333546	20	0.6084972	40	0.596064	100	0.6284372
1,2-Dibromo-3-chloropropane	1	0.1351643	5	0.1549625	10	0.1660321	20	0.171079	40	0.1951072	100	0.206702
Dibromochloromethane	1	0.3711676	5	0.3510068	10	0.385911	20	0.3664955	40	0.3852113	100	0.4215732
1,2-Dibromoethane	1	0.3506463	5	0.351901	10	0.3476184	20	0.3569759	40	0.3658888	100	0.3692558
Dibromomethane	1	0.183166	5	0.2106427	10	0.1892992	20	0.1939943	40	0.1973527	100	0.199062
trans-1,4-Dichloro-2-butene	1	0.1928715	5	0.2639354	10	0.2862582	20	0.274644	40	0.2577652	100	0.275312
1,2-Dichlorobenzene	1	2.204289	5	1.9709	10	1.997894	20	1.932865	40	1.898055	100	1.950172
1,3-Dichlorobenzene	1	2.475852	5	2.250641	10	2.128043	20	2.123827	40	2.048673	100	2.117099
1,4-Dichlorobenzene	1	2.557013	5	2.205305	10	2.142668	20	2.112334	40	2.021172	100	2.108459

INITIAL CALIBRATION DATA
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Calibration: 4J08013

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration Date: 10/08/14 00:00
Instrument: 350

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
Dichlorodifluoromethane	1	0.3940003	5	0.3771081	10	0.3829204	20	0.3711713	40	0.3463838	100	0.3522396
1,1-Dichloroethane	1	0.6523367	5	0.632452	10	0.6479123	20	0.5991668	40	0.6045359	100	0.6124246
1,2-Dichloroethane	1	0.4536011	5	0.4025629	10	0.4163387	20	0.4074185	40	0.4001846	100	0.4076075
1,1-Dichloroethene	1	0.3696046	5	0.3248209	10	0.299809	20	0.3037189	40	0.2927287	100	0.2989098
cis-1,2-Dichloroethene	1	0.413735	5	0.3665925	10	0.3798236	20	0.35386	40	0.3517172	100	0.3662197
trans-1,2-Dichloroethene	1	0.4471551	5	0.3480834	10	0.3572297	20	0.3277734	40	0.3183756	100	0.3375082
1,2-Dichloroethene (Total)	2	0.430445	10	0.3573379	20	0.3685267	40	0.3408167	80	0.3350464	200	0.3518639
Dichlorofluoromethane	1	0.7469443	5	0.6914134	10	0.6754843	20	0.6551292	40	0.6348061	100	0.6566669
1,2-Dichloropropane	1	0.3672245	5	0.3581334	10	0.3509204	20	0.3422071	40	0.3415731	100	0.3613648
1,3-Dichloropropane	1	0.816539	5	0.717735	10	0.7450429	20	0.7170327	40	0.7258695	100	0.739781
2,2-Dichloropropane	1	0.4183959	5	0.3645165	10	0.3589083	20	0.3515478	40	0.3428729	100	0.3661584
1,1-Dichloropropene	1	0.5519772	5	0.4757456	10	0.4927066	20	0.461247	40	0.4652927	100	0.4830858
cis-1,3-Dichloropropene	1	0.3997521	5	0.4010108	10	0.4143706	20	0.4243071	40	0.4280656	100	0.4739436
trans-1,3-Dichloropropene	1	0.2854097	5	0.2997153	10	0.303938	20	0.3146537	40	0.32836	100	0.3637366
1,3-Dichloropropene (Total)	2	0.3425809	10	0.3503631	20	0.3591543	40	0.3694804	80	0.3782128	200	0.4188401
Ethylbenzene	1	2.697805	5	2.363728	10	2.420608	20	2.301883	40	2.300605	100	2.386564
Ethyl Ether	1	0.2559564	5	0.2152797	10	0.2031141	20	0.2021584	40	0.2029729	100	0.2013075
Hexachlorobutadiene	1	0.7069897	5	0.7823588	10	0.7850179	20	0.8312006	40	0.807675	100	0.8759075
Hexachloroethane	1	0.4804814	5	0.3889512	10	0.4451656	20	0.4459415	40	0.4372046	100	0.5030732
2-Hexanone	1	~~0.521657~~	5	0.3427566	10	0.2895541	20	0.3084526	40	0.3311037	100	0.318248
Iodomethane	1	0.1389364	5	0.1288264	10	0.1500926	20	0.1721196	40	0.255194	100	0.3241277
Isopropylbenzene	1	4.811912	5	4.804254	10	4.622649	20	4.422126	40	4.438398	100	4.650644
4-Isopropyltoluene	1	4.440056	5	4.198665	10	4.123139	20	4.11615	40	4.110815	100	4.274371
Methyl Acetate	1	~~0.44418~~	5	0.2668296	10	0.2717354	20	0.279965	40	0.2725101	100	0.2695243
Methyl tert-Butyl Ether	1	0.9462749	5	0.8699853	10	0.8631242	20	0.8451509	40	0.8366596	100	0.8512719
Methylcyclohexane	1	0.6900211	5	0.6445586	10	0.6472274	20	0.6236491	40	0.6192524	100	0.6455658
Methylene Chloride	1	2.762762	5	0.8959446	10	0.662663	20	0.5523362	40	0.4916103	100	0.4747439
2-Butanone (MEK)	1	~~0.4587579~~	5	0.1723246	10	0.171143	20	0.143186	40	0.1495907	100	0.1535188
2-Methylnaphthalene	1	1.407499	5	0.415927	10	0.3975424	20	0.3941007	40	0.482874	100	0.670944
4-Methyl-2-pentanone (MIBK)	1	~~0.4113549~~	5	0.3089698	10	0.2834086	20	0.2915873	40	0.3172932	100	0.3113439
Naphthalene	1	2.307669	5	1.321103	10	1.437868	20	1.563978	40	1.847646	100	2.419175

INITIAL CALIBRATION DATA
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Calibration: 4J08013

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration Date: 10/08/14 00:00
Instrument: 350

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
n-Propylbenzene	1	1.290542	5	1.256456	10	1.248962	20	1.208448	40	1.190347	100	1.252813
Styrene	1	1.41463	5	1.372757	10	1.402072	20	1.402862	40	1.395089	100	1.437373
1,1,1,2-Tetrachloroethane	1	0.3977858	5	0.3732476	10	0.3960314	20	0.3850686	40	0.3915865	100	0.4201083
1,1,2,2-Tetrachloroethane	1	1.314303	5	1.256575	10	1.133033	20	1.14344	40	1.155123	100	1.177637
Tetrachloroethene	1	0.6837454	5	0.6204927	10	0.5859025	20	0.5647474	40	0.5466031	100	0.5491964
Tetrahydrofuran	1	~~0.0652535~~	5	4.646673E-02	10	4.192714E-02	20	4.390718E-02	40	0.0422575	100	4.180072E-02
Toluene	1	1.668129	5	1.471957	10	1.472553	20	1.453928	40	1.42492	100	1.488354
1,2,3-Trichlorobenzene	1	0.8245641	5	0.736072	10	0.7639033	20	0.849248	40	0.925985	100	1.146538
1,2,4-Trichlorobenzene	1	0.8004938	5	0.8578792	10	0.9780778	20	1.014952	40	1.065836	100	1.29426
1,1,1-Trichloroethane	1	0.5102269	5	0.4643569	10	0.4599251	20	0.4338566	40	0.4493643	100	0.4670129
1,1,2-Trichloroethane	1	0.3109954	5	0.2514248	10	0.2431987	20	0.2518055	40	0.2439653	100	0.2501746
Trichloroethene	1	0.4452709	5	0.373965	10	0.3536119	20	0.3552861	40	0.3415546	100	0.3536348
Trichlorofluoromethane	1	0.6153465	5	0.5760905	10	0.5677047	20	0.5439683	40	0.5252502	100	0.539353
1,2,3-Trichloropropane	1	0.3129147	5	0.3283447	10	0.3216799	20	0.3073741	40	0.3125122	100	0.3134666
1,1,2-Trichloro-1,2,2-trifluoroe	1	0.3597868	5	0.355844	10	0.3527919	20	0.3255834	40	0.3307006	100	0.3341428
1,2,4-Trimethylbenzene	1	4.249653	5	3.883392	10	3.724126	20	3.784203	40	3.676888	100	3.845162
1,3,5-Trimethylbenzene	1	4.375251	5	4.000386	10	3.858804	20	3.922523	40	3.78712	100	3.967363
Vinyl Acetate	1	0.5314491	5	0.4422973	10	0.42779	20	0.4502256	40	0.502795	100	0.4978945
Vinyl Chloride	1	0.5210363	5	0.4838555	10	0.4656074	20	0.4583236	40	0.429	100	0.4444487
Xylene, Meta + Para	2	0.9555781	10	0.8911037	20	0.8716117	40	0.8744273	80	0.8496839	200	0.8817594
Xylene, Ortho	1	0.868437	5	0.844372	10	0.843674	20	0.8252376	40	0.8058448	100	0.8436163
Xylene (Total)	3	0.9265311	15	0.8755265	30	0.8622992	60	0.8580308	120	0.8350709	300	0.869045
Dibromofluoromethane	40	0.2436742	40	0.2438024	40	0.2445951	40	0.2501986	40	0.2517178	40	0.2489901
1,2-Dichloroethane-d4	40	0.147579	40	0.1413864	40	0.1488071	40	0.1448794	40	0.144528	40	0.1477547
Toluene-d8	40	0.9472146	40	0.9343403	40	0.956879	40	0.9701598	40	0.9825475	40	0.9753746
4-Bromofluorobenzene	40	0.493299	40	0.4886849	40	0.4934473	40	0.4989439	40	0.5104836	40	0.4908527

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J08013

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/08/14 00:00

Instrument: 350

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
Acetone	200	0.1064884										
Acrolein	200	5.835696E-02										
Acrylonitrile	200	0.1438831										
Benzene	200	1.403124										
Bromobenzene	200	1.788662										
Bromochloromethane	200	0.2969079										
Bromodichloromethane	200	0.4200462										
Bromoform	200	0.2957823										
Bromomethane	200	0.2400093										
n-Butylbenzene	200	4.306255										
sec-Butylbenzene	200	5.209315										
tert-Butylbenzene	200	3.379361										
Carbon Disulfide	200	0.8740432										
Carbon Tetrachloride	200	0.4213087										
Chlorobenzene	200	1.308685										
Chloroethane	200	0.2503129										
2-Chloroethyl Vinyl Ether	200	7.422645E-02										
Chloroform	200	0.5988638										
1-Chlorohexane	200	0.5151172										
Chloromethane	200	0.4794937										
2-Chlorotoluene	200	1.069985										
4-Chlorotoluene	200	3.747757										
Cyclohexane	200	0.638108										
1,2-Dibromo-3-chloropropane	200	~~0.2360669~~										
Dibromochloromethane	200	0.4369566										
1,2-Dibromoethane	200	0.3845735										
Dibromomethane	200	0.205843										
trans-1,4-Dichloro-2-butene	200	0.2951386										
1,2-Dichlorobenzene	200	1.975806										
1,3-Dichlorobenzene	200	2.100611										
1,4-Dichlorobenzene	200	2.113299										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J08013

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/08/14 00:00

Instrument: 350

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
Dichlorodifluoromethane	200	0.3639945										
1,1-Dichloroethane	200	0.6226024										
1,2-Dichloroethane	200	0.4158977										
1,1-Dichloroethene	200	0.308908										
cis-1,2-Dichloroethene	200	0.3732276										
trans-1,2-Dichloroethene	200	0.3467502										
1,2-Dichloroethene (Total)	400	0.3599889										
Dichlorofluoromethane	200	0.6678369										
1,2-Dichloropropane	200	0.370595										
1,3-Dichloropropane	200	0.7314412										
2,2-Dichloropropane	200	0.3711666										
1,1-Dichloropropene	200	0.4842175										
cis-1,3-Dichloropropene	200	0.4967426										
trans-1,3-Dichloropropene	200	0.3933										
1,3-Dichloropropene (Total)	400	0.4450213										
Ethylbenzene	200	2.378399										
Ethyl Ether	200	0.204985										
Hexachlorobutadiene	200	0.9319898										
Hexachloroethane	200	0.5305464										
2-Hexanone	200	0.3306395										
Iodomethane	200	0.3466383										
Isopropylbenzene	200	4.661906										
4-Isopropyltoluene	200	4.340853										
Methyl Acetate	200	0.2905167										
Methyl tert-Butyl Ether	200	0.8638803										
Methylcyclohexane	200	0.6505397										
Methylene Chloride	200	0.4762068										
2-Butanone (MEK)	200	0.1528241										
2-Methylnaphthalene	200	0.9339629										
4-Methyl-2-pentanone (MIBK)	200	0.3211945										
Naphthalene	200	3.017585										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J08013

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/08/14 00:00

Instrument: 350

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF	ug/L	CF
n-Propylbenzene	200	1.262977										
Styrene	200	1.437662										
1,1,1,2-Tetrachloroethane	200	0.4220054										
1,1,2,2-Tetrachloroethane	200	1.192832										
Tetrachloroethene	200	0.542208										
Tetrahydrofuran	200	4.698855E-02										
Toluene	200	1.50586										
1,2,3-Trichlorobenzene	200	1.320389										
1,2,4-Trichlorobenzene	200	1.434375										
1,1,1-Trichloroethane	200	0.4828104										
1,1,2-Trichloroethane	200	0.2571885										
Trichloroethene	200	0.361113										
Trichlorofluoromethane	200	0.5482584										
1,2,3-Trichloropropane	200	0.3256224										
1,1,2-Trichloro-1,2,2-trifluoroe	200	0.3450485										
1,2,4-Trimethylbenzene	200	3.878373										
1,3,5-Trimethylbenzene	200	3.983953										
Vinyl Acetate	200	0.5284205										
Vinyl Chloride	200	0.4609059										
Xylene, Meta + Para	400	0.8801847										
Xylene, Ortho	200	0.8460575										
Xylene (Total)	600	0.868809										
Dibromofluoromethane	40	0.2551747										
1,2-Dichloroethane-d4	40	0.1457295										
Toluene-d8	40	1.004377										
4-Bromofluorobenzene	40	0.4893865										

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J08013

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/08/14 00:00

Instrument: 350

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Acetone	0.1448911	32.83053	2.228	0.1469033	0.99994		SPCC (0.1)	
Acrolein	7.304604E-02	44.96367	2.084857	0.1111322	0.99906		SPCC (0.1)	*
Acrylonitrile	0.1553998	21.02383	2.883143	7.713554E-02	0.99832		SPCC (0.1)	
Benzene	1.390115	2.090299	5.759143	3.068913E-02			SPCC (0.5)	
Bromobenzene	1.820878	7.24918	12.242	0.0234149			SPCC (0.1)	
Bromochloromethane	0.3014128	6.716621	4.611286	6.201806E-02			SPCC (0.1)	
Bromodichloromethane	0.3883664	4.481821	7.647286	3.185644E-02			SPCC (0.2)	
Bromoform	0.2519575	11.09675	11.654	1.598626E-02			SPCC (0.1)	
Bromomethane	0.2873604	16.71729	1.488286	0.1959682			SPCC (0.1)	
n-Butylbenzene	3.965131	5.718818	14.04886	1.474504E-02			SPCC (0.1)	
sec-Butylbenzene	5.082617	2.073378	13.342	2.186489E-02			SPCC (0.1)	
tert-Butylbenzene	3.420517	10.23187	13.066	1.530653E-02			SPCC (0.1)	
Carbon Disulfide	0.8024155	9.060973	2.336143	9.554227E-02			SPCC (0.1)	
Carbon Tetrachloride	0.3602106	12.0254	5.378	6.534371E-02			SPCC (0.1)	
Chlorobenzene	1.346552	5.074956	10.59586	1.464689E-02			SPCC (0.5)	
Chloroethane	0.2646889	9.232385	1.560143	7.021996E-03			SPCC (0.1)	
2-Chloroethyl Vinyl Ether	6.371378E-02	12.33567	8.159143	1.909122E-02			SPCC (0.1)	*
Chloroform	0.6047168	5.674942	4.801143	1.411951E-02			SPCC (0.2)	
1-Chlorohexane	0.5425341	12.44869	10.63686	2.004244E-02			SPCC (0.1)	
Chloromethane	0.5126582	15.40381	1.186571	0.2705926			SPCC (0.1)	
2-Chlorotoluene	1.091419	4.873928	12.507	6.641934E-03			SPCC (0.1)	
4-Chlorotoluene	3.771624	4.729098	12.65057	1.715266E-02			SPCC (0.1)	
Cyclohexane	0.6353486	5.542757	5.157571	9.061057E-02			SPCC (0.1)	
1,2-Dibromo-3-chloropropane	0.1715079	15.24982	14.983	1.246016E-02			SPCC (0.05)	
Dibromochloromethane	0.3883317	7.901846	9.825	1.947327E-02			SPCC (0.1)	
1,2-Dibromoethane	0.36098	3.634927	9.935286	1.624356E-02			SPCC (0.1)	
Dibromomethane	0.1970514	4.762388	7.364286	3.708282E-02			SPCC (0.1)	
trans-1,4-Dichloro-2-butene	0.2637036	12.76982	12.39157	2.348843E-02			SPCC (0.1)	
1,2-Dichlorobenzene	1.989997	5.018971	14.007	1.384434E-02			SPCC (0.4)	
1,3-Dichlorobenzene	2.177821	6.650022	13.43771	2.322665E-02			SPCC (0.6)	
1,4-Dichlorobenzene	2.180036	8.022914	13.55486	7.991849E-03			SPCC (0.5)	
Dichlorodifluoromethane	0.3696883	4.557699	1.063571	0.2868493			SPCC (0.1)	

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J08013

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/08/14 00:00

Instrument: 350

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
1,1-Dichloroethane	0.6244901	3.31794	3.383143	6.440168E-02			SPCC (0.1)	
1,2-Dichloroethane	0.4148016	4.377944	5.824143	3.724865E-02			SPCC (0.2)	
1,1-Dichloroethene	0.3140714	8.446215	2.154429	2.296175E-02			SPCC (0.1)	
cis-1,2-Dichloroethene	0.3721679	5.601348	4.218143	4.951862E-02			SPCC (0.1)	
trans-1,2-Dichloroethene	0.3546965	12.07233	2.886572	0.1100455			SPCC (0.1)	
1,2-Dichloroethene (Total)	0.3634322	8.713249	4.218143	4.951862E-02			SPCC (0.1)	
Dichlorofluoromethane	0.6754687	5.352172	1.707143	2.545286E-02			SPCC (0.1)	
1,2-Dichloropropane	0.3560026	3.236443	7.195143	1.325977E-02			SPCC (0.1)	
1,3-Dichloropropane	0.7419202	4.654181	9.536143	1.359817E-02			SPCC (0.1)	
2,2-Dichloropropane	0.3676523	6.615303	4.201143	1.668049E-02			SPCC (0.1)	
1,1-Dichloropropene	0.4877532	6.226948	5.400286	4.461467E-02			SPCC (0.1)	
cis-1,3-Dichloropropene	0.4340275	8.573347	8.304429	3.253574E-02			SPCC (0.2)	
trans-1,3-Dichloropropene	0.3270162	11.78113	9.101857	3.164889E-02			SPCC (0.2)	
1,3-Dichloropropene (Total)	0.3805219	9.926951	9.101857	3.164889E-02			SPCC (0.1)	
Ethylbenzene	2.407085	5.63097	10.772	1.703159E-02			SPCC (0.1)	
Ethyl Ether	0.2122534	9.350409	1.978	4.978584E-03			SPCC (0.1)	
Hexachlorobutadiene	0.8173056	8.837977	16.242	6.80863E-03			SPCC (0.1)	
Hexachloroethane	0.4616234	10.16778	14.313	2.053173E-02			SPCC (0.1)	
2-Hexanone	0.3201258	5.955896	9.727833	2.931968E-02			SPCC (0.1)	
Iodomethane	0.2165621	42.19465	2.283143	9.992973E-02	0.99715		SPCC (0.1)	
Isopropylbenzene	4.63027	3.355957	11.913	7.15091E-03			SPCC (0.1)	
4-Isopropyltoluene	4.22915	3.02106	13.53857	1.761774E-02			SPCC (0.1)	
Methyl Acetate	0.2751802	3.163097	2.53	9.759658E-02			SPCC (0.1)	
Methyl tert-Butyl Ether	0.8680496	4.194905	2.914714	0.1016403			SPCC (0.1)	
Methylcyclohexane	0.6458306	3.562989	7.118143	3.259313E-02			SPCC (0.1)	
Methylene Chloride	0.9023238	92.43854	2.605572	0.1088129	0.99974		SPCC (0.1)	
2-Butanone (MEK)	0.1570979	7.585815	4.317	0.113518			SPCC (0.1)	
2-Methylnaphthalene	0.6718357	56.46609	17.695	1.683678E-02		0.9998839	SPCC (0.1)	
4-Methyl-2-pentanone (MIBK)	0.3056329	4.881769	8.584667	3.223555E-02			SPCC (0.1)	
Naphthalene	1.987861	31.11237	16.295	0.022072		0.9997832	SPCC (0.1)	
n-Propylbenzene	1.244364	2.730232	12.43614	1.791517E-02			SPCC (0.1)	
Styrene	1.408921	1.652152	11.454	2.005209E-02			SPCC (0.3)	

INITIAL CALIBRATION DATA (Continued)

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J08013

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/08/14 00:00

Instrument: 350

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
1,1,1,2-Tetrachloroethane	0.3979762	4.459615	10.72629	2.647453E-02			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	1.196135	5.546649	12.319	4.733912E-03			SPCC (0.3)	
Tetrachloroethene	0.5846994	8.834088	9.466	4.755702E-03			SPCC (0.2)	
Tetrahydrofuran	0.0438913	5.306553	4.735	0.1731505			SPCC (0.1)	*
Toluene	1.497957	5.292245	8.742143	2.147336E-02			SPCC (0.4)	
1,2,3-Trichlorobenzene	0.9380999	23.097	16.595	2.082888E-02		0.9997384	SPCC (0.1)	
1,2,4-Trichlorobenzene	1.063696	21.43489	16.00529	2.670551E-02		0.9996911	SPCC (0.2)	
1,1,1-Trichloroethane	0.4667933	5.236357	5.083143	4.585304E-02			SPCC (0.1)	
1,1,2-Trichloroethane	0.2583933	9.16777	9.330572	1.272792E-02			SPCC (0.1)	
Trichloroethene	0.3692052	9.459172	6.854	1.174078E-02			SPCC (0.2)	
Trichlorofluoromethane	0.5594245	5.366558	1.745429	0.1749586			SPCC (0.1)	
1,2,3-Trichloropropane	0.3174164	2.459601	12.342	1.310505E-02			SPCC (0.1)	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.343414	3.904439	2.161	0.1025838			SPCC (0.1)	
1,2,4-Trimethylbenzene	3.863114	4.849742	13.12686	2.336616E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	3.985057	4.715022	12.67157	1.884736E-02			SPCC (0.1)	
Vinyl Acetate	0.4829817	8.785514	3.498143	0.0954788			SPCC (0.1)	
Vinyl Chloride	0.4661682	6.355174	1.259286	0.1877612			SPCC (0.1)	
Xylene, Meta + Para	0.8863355	3.735727	10.93043	9.672097E-03			SPCC (0.1)	
Xylene, Ortho	0.8396056	2.318966	11.42871	2.580171E-02			SPCC (0.3)	
Xylene (Total)	0.8707589	3.196094	11.42871	2.580171E-02			SPCC (0.1)	
Dibromofluoromethane	0.2483076	1.78883	5.103714	5.998272E-02			20	
1,2-Dichloroethane-d4	0.1458092	1.725423	5.689714	6.439089E-02			20	
Toluene-d8	0.9672704	2.416818	8.654	2.068636E-02			20	
4-Bromofluorobenzene	0.495014	1.541152	12.08314	2.375198E-02			20	

Method Path : C:\gcms\1\methods\
Method File : 8260S-17C.M
Title : 8260C : 5030 wtr
Last Update : Wed Oct 08 12:51:55 2014
Response Via : Initial Calibration

Calibration Files
1 =1P1008.D 2 =5P1008.D 3 =10P1008.D 4 =20P1008.D 5 =40P1008.D 6 =100P1008.D 7 =200P1008.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------								
2)		dichlorodifluo...	0.394	0.377	0.383	0.371	0.346	0.352	0.364	0.370	4.56
3)	P	chloromethane	0.685	0.522	0.497	0.480	0.461	0.462	0.479	0.513	15.40
4)	C	vinyl chloride	0.521	0.484	0.466	0.458	0.429	0.444	0.461	0.466	6.36#
5)		bromomethane	0.370	0.319	0.309	0.274	0.258	0.240	0.240	0.287	16.72
6)		chloroethane	0.313	0.271	0.269	0.260	0.236	0.253	0.250	0.265	9.23
7)		dichlorofluoro...	0.747	0.691	0.675	0.655	0.635	0.657	0.668	0.675	5.35
8)		trichlorofluor...	0.615	0.576	0.568	0.544	0.525	0.539	0.548	0.559	5.37
9)		ethyl ether	0.256	0.215	0.203	0.202	0.203	0.201	0.205	0.212	9.35
10)		acrolein	0.147	0.066	0.068	0.062	0.055	0.056	0.058	0.073	44.96
11)		1,1,2-trichlor...	0.360	0.356	0.353	0.326	0.331	0.334	0.345	0.343	3.90
12)	C	1,1-dichloroet...	0.370	0.325	0.300	0.304	0.293	0.299	0.309	0.314	8.45#
13)		acetone		0.232	0.165	0.134	0.121	0.111	0.106	0.145	32.83
14)		iodomethane	0.139	0.129	0.150	0.172	0.255	0.324	0.347	0.217	42.19
15)		carbon disulfide	0.854	0.724	0.737	0.717	0.841	0.871	0.874	0.802	9.06
16)		methyl acetate		0.267	0.272	0.280	0.273	0.270	0.291	0.275	3.16
17)		methylene chlo...	2.763	0.896	0.663	0.552	0.492	0.475	0.476	0.902	92.44
18)		acrylonitrile	0.228	0.153	0.144	0.150	0.137	0.133	0.144	0.155	21.02
19)		trans-1,2-dich...	0.447	0.348	0.357	0.328	0.318	0.338	0.347	0.355	12.07
20)		methyl (tert) ...	0.946	0.870	0.863	0.845	0.837	0.851	0.864	0.868	4.19
21)	P	1,1-dichloroet...	0.652	0.632	0.648	0.599	0.605	0.612	0.623	0.624	3.32
22)		vinyl acetate	0.531	0.442	0.428	0.450	0.503	0.498	0.528	0.483	8.79
23)		2,2-dichloropr...	0.418	0.365	0.359	0.352	0.343	0.366	0.371	0.368	6.62
24)		cis-1,2-dichlo...	0.414	0.367	0.380	0.354	0.352	0.366	0.373	0.372	5.60
25)		2-butanone (MEK)		0.172	0.171	0.143	0.150	0.154	0.153	0.157	7.59
26)		bromochloromet...	0.342	0.310	0.302	0.290	0.280	0.290	0.297	0.301	6.72
27)		tetrahydrofuran		0.046	0.042	0.044	0.042	0.042	0.047	0.044	5.31
28)	C	chloroform	0.672	0.620	0.604	0.579	0.568	0.589	0.599	0.605	5.67#
29)	S	#Dibromofluoro...	0.244	0.244	0.245	0.250	0.252	0.249	0.255	0.248	1.79
30)		1,1,1-trichlor...	0.510	0.464	0.460	0.434	0.449	0.467	0.483	0.467	5.24
31)		cyclohexane	0.707	0.636	0.633	0.608	0.596	0.628	0.638	0.635	5.54
32)		carbon tetrach...	0.293	0.340	0.344	0.349	0.367	0.407	0.421	0.360	12.03
33)		1,1-dichloropr...	0.552	0.476	0.493	0.461	0.465	0.483	0.484	0.488	6.23
34)		benzene	1.429	1.413	1.395	1.360	1.346	1.386	1.403	1.390	2.09
35)		1,2-dichloroet...	0.454	0.403	0.416	0.407	0.400	0.408	0.416	0.415	4.38
36)		heptane								0.000	-1.00
37)	s	#1,2-Dichloroe...	0.148	0.141	0.149	0.145	0.145	0.148	0.146	0.146	1.73
38)		trichloroethene	0.445	0.374	0.354	0.355	0.342	0.354	0.361	0.369	9.46

KEW 10-9-14

001537

Method Path : C:\gcms\1\methods\
Method File : 8260S-17C.M

39)		methylcyclohexane	0.690	0.645	0.647	0.624	0.619	0.646	0.651	0.646	3.56
40)	C	1,2-dichloropr...	0.367	0.358	0.351	0.342	0.342	0.361	0.371	0.356	3.24#
41)		dibromomethane	0.183	0.211	0.189	0.194	0.197	0.199	0.206	0.197	4.76
42)		bromodichlorom...	0.380	0.382	0.373	0.376	0.382	0.405	0.420	0.388	4.48
43)		2-chloroethyl ...	0.066	0.054	0.057	0.057	0.066	0.072	0.074	0.064	12.34
44)		cis-1,3-dichlo...	0.400	0.401	0.414	0.424	0.428	0.474	0.497	0.434	8.57
45)		4-methyl-2-pen...		0.309	0.283	0.292	0.317	0.311	0.321	0.306	4.88
46)	s	#Toluene-d8	0.947	0.934	0.957	0.970	0.983	0.975	1.004	0.967	2.42
47)	C	toluene	1.668	1.472	1.473	1.454	1.425	1.488	1.506	1.498	5.29#
48)		trans-1,3-dich...	0.285	0.300	0.304	0.315	0.328	0.364	0.393	0.327	11.78
49)		1,1,2-trichlor...	0.311	0.251	0.243	0.252	0.244	0.250	0.257	0.258	9.17
50)		Chlorobenzene-d5	----------	ISTD	----------						
51)		tetrachloroethene	0.684	0.620	0.586	0.565	0.547	0.549	0.542	0.585	8.83
52)		1,3-dichloropr...	0.817	0.718	0.745	0.717	0.726	0.740	0.731	0.742	4.65
53)		2-hexanone (MBK)		0.343	0.290	0.308	0.331	0.318	0.331	0.320	5.96
54)		dibromochlorom...	0.371	0.351	0.386	0.366	0.385	0.422	0.437	0.388	7.90
55)		1,2-dibromoethane	0.351	0.352	0.348	0.357	0.366	0.369	0.385	0.361	3.63
56)	P	chlorobenzene	1.479	1.381	1.359	1.282	1.292	1.323	1.309	1.347	5.07
57)		1-chlorohexane	0.690	0.551	0.530	0.504	0.498	0.510	0.515	0.543	12.45
58)		1,1,1,2-tetrac...	0.398	0.373	0.396	0.385	0.392	0.420	0.422	0.398	4.46
59)	C	ethylbenzene	2.698	2.364	2.421	2.302	2.301	2.387	2.378	2.407	5.63#
60)		m+p-xylene	0.956	0.891	0.872	0.874	0.850	0.882	0.880	0.886	3.74
61)		o-xylene	0.868	0.844	0.844	0.825	0.806	0.844	0.846	0.840	2.32
62)		styrene	1.415	1.373	1.402	1.403	1.395	1.437	1.438	1.409	1.65
63)	P	bromoform	0.262	0.213	0.231	0.239	0.249	0.275	0.296	0.252	11.10
64)	S	#4-Bromofluoro...	0.493	0.489	0.493	0.499	0.510	0.491	0.489	0.495	1.54
65)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
66)		isopropylbenzene	4.812	4.804	4.623	4.422	4.438	4.651	4.662	4.630	3.36
67)		bromobenzene	2.088	1.889	1.771	1.719	1.706	1.785	1.789	1.821	7.25
68)	P	1,1,2,2-tetrac...	1.314	1.257	1.133	1.143	1.155	1.178	1.193	1.196	5.55
69)		1,2,3-trichlor...	0.313	0.328	0.322	0.307	0.313	0.313	0.326	0.317	2.46
70)		1,4-dichloro-2...	0.193	0.264	0.286	0.275	0.258	0.275	0.295	0.264	12.77
71)		n-propylbenzene	1.291	1.256	1.249	1.208	1.190	1.253	1.263	1.244	2.73
72)		2-chlorotoluene	1.180	1.137	1.101	1.029	1.041	1.081	1.070	1.091	4.87
73)		1,3,5-trimethy...	4.375	4.000	3.859	3.923	3.787	3.967	3.984	3.985	4.72
74)		4-chlorotoluene	4.143	3.787	3.729	3.660	3.579	3.755	3.748	3.772	4.73
75)		tert-butylbenzene	4.198	3.312	3.285	3.223	3.185	3.360	3.379	3.421	10.23
76)		1,2,4-trimethy...	4.250	3.883	3.724	3.784	3.677	3.845	3.878	3.863	4.85
77)		sec-butylbenzene	5.102	5.110	5.078	5.022	4.888	5.170	5.209	5.083	2.07
78)		1,3-dichlorobe...	2.476	2.251	2.128	2.124	2.049	2.117	2.101	2.178	6.65
79)		4-isopropyltol...	4.440	4.199	4.123	4.116	4.111	4.274	4.341	4.229	3.02
80)		1,4-dichlorobe...	2.557	2.205	2.143	2.112	2.021	2.108	2.113	2.180	8.02
81)		1,2-dichlorobe...	2.204	1.971	1.998	1.933	1.898	1.950	1.976	1.990	5.02
82)		n-butylbenzene	3.781	3.717	3.819	3.988	3.912	4.233	4.306	3.965	5.72
83)		hexachloroethane	0.480	0.389	0.445	0.446	0.437	0.503	0.531	0.462	10.17
84)		1,2-dibromo-3-...	0.135	0.155	0.166	0.171	0.195	0.207		0.172	15.25

001538

Method Path : C:\gcms\1\methods\
Method File : 8260S-17C.M

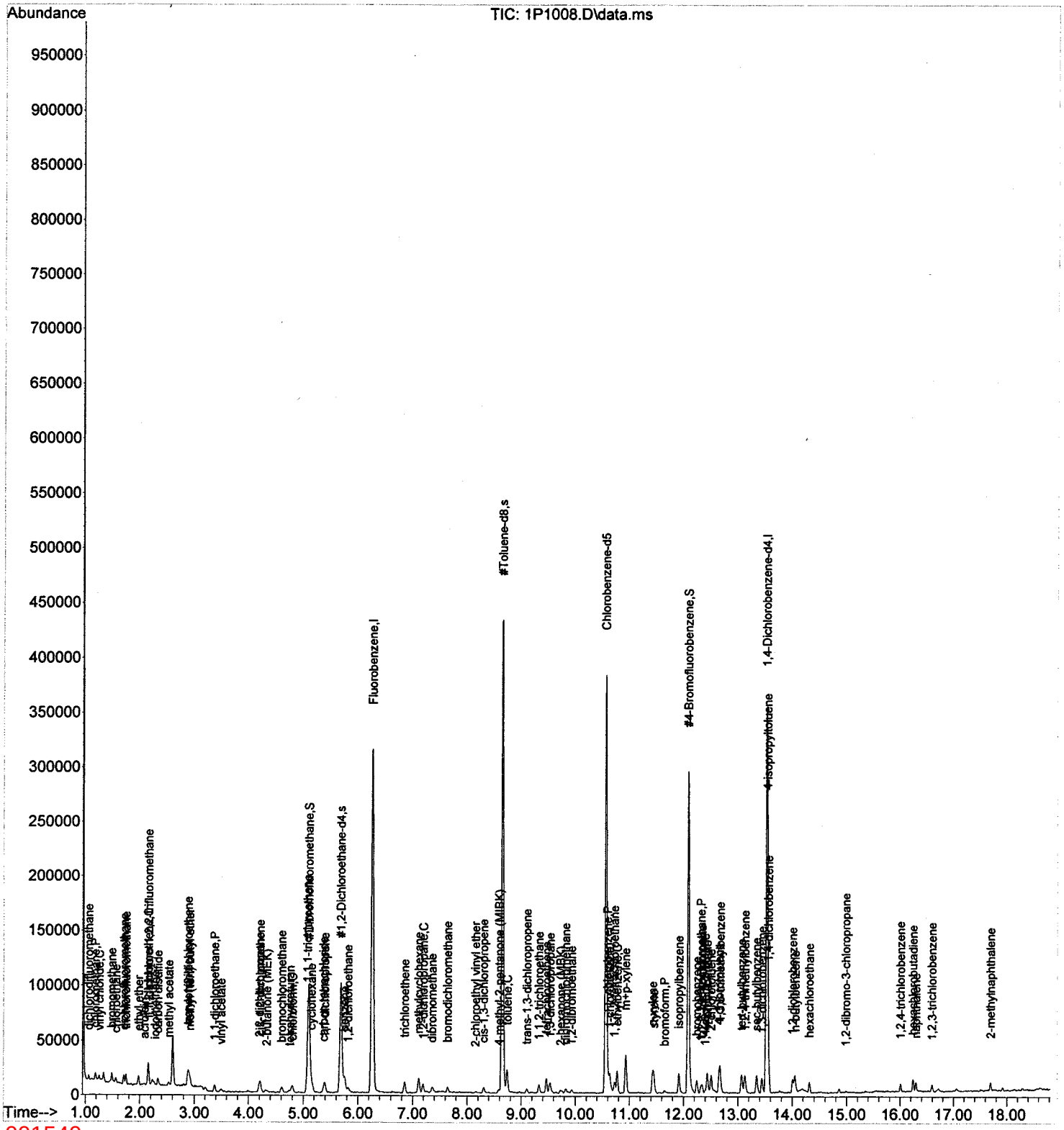
85)	1,2,4-trichlor...	0.800	0.858	0.978	1.015	1.066	1.294	1.434	1.064	21.43
86)	hexachlorobuta...	0.707	0.782	0.785	0.831	0.808	0.876	0.932	0.817	8.84
87)	naphthalene	2.308	1.321	1.438	1.564	1.848	2.419	3.018	1.988	31.11
88)	1,2,3-trichlor...	0.825	0.736	0.764	0.849	0.926	1.147	1.320	0.938	23.10
89)	2-methylnaphth...	1.407	0.416	0.398	0.394	0.483	0.671	0.934	0.672	56.47

(#) = Out of Range

001539

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1P1008.D
Acq On : 08 Oct 2014 09:36
Operator : DLV
Sample : STD1
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 08 10:03:52 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1P1008.D
Acq On : 08 Oct 2014 09:36
Operator : DLV
Sample : STD1
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 08 10:03:52 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	403350	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	268989	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	129620	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.101	111	98286	38.83	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.08%				
37) #1,2-Dichloroethane-d4	5.684	67	59526	41.24	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.10%				
46) #Toluene-d8	8.654	98	382059	39.12	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.80%				
64) #4-Bromofluorobenzene	12.083	95	132692	39.17	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.93%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.060	85	3973	1.46	ug/L		89
3) chloromethane	1.184	50	6911	1.44	ug/L		96
4) vinyl chloride	1.254	62	5254	1.17	ug/L		95
5) bromomethane	1.484	94	3733	1.56	ug/L		89
6) chloroethane	1.560	64	3157	1.17	ug/L		99
7) dichlorofluoromethane	1.707	67	7532	1.10	ug/L		99
8) trichlorofluoromethane	1.743	101	6205	1.42	ug/L		97
9) ethyl ether	1.978	74	2581	1.33	ug/L	#	80
10) acrolein	2.084	56	1479	2.58	ug/L	#	80
11) 1,1,2-trichloro-1,2,2-...	2.160	101	3628	1.06	ug/L		96
12) 1,1-dichloroethene	2.154	96	3727	1.25	ug/L		97
13) acetone	2.225	43	8816	Below Cal			98
14) iodomethane	2.278	142	1401	3.36	ug/L	#	90
15) carbon disulfide	2.331	76	8614	2.15	ug/L	#	91
16) methyl acetate	2.531	43	4479	1.67	ug/L		90
17) methylene chloride	2.601	49	27859	Below Cal			99
18) acrylonitrile	2.884	53	2297	1.70	ug/L	#	90
19) trans-1,2-dichloroethene	2.884	96	4509	1.85	ug/L		96
20) methyl (tert) butyl ether	2.913	73	9542	1.39	ug/L		93
21) 1,1-dichloroethane	3.378	63	6578	1.87	ug/L		94
22) vinyl acetate	3.495	43	5359	1.07	ug/L		80
23) 2,2-dichloropropane	4.201	77	4219	1.14	ug/L		95
24) cis-1,2-dichloroethene	4.213	96	4172	1.98	ug/L		93
25) 2-butanone (MEK)	4.337	43	4626	1.23	ug/L		82
26) bromochloromethane	4.607	49	3448	1.69	ug/L		99
27) tetrahydrofuran	4.754	71	658	1.57	ug/L	#	1
28) chloroform	4.801	83	6781	1.18	ug/L		97
30) 1,1,1-trichloroethane	5.078	97	5145	1.14	ug/L		91
31) cyclohexane	5.148	56	7128	1.17	ug/L		95
32) carbon tetrachloride	5.372	117	2956	0.84	ug/L		93
33) 1,1-dichloropropene	5.395	75	5566	1.19	ug/L		96
34) benzene	5.754	78	14406	1.02	ug/L	#	81
35) 1,2-dichloroethane	5.819	62	4574	1.60	ug/L		99
36) heptane	0.000		0	N.D.			
38) trichloroethene	6.854	130	4490	1.28	ug/L		92

Quantitation Report (Not Reviewed)

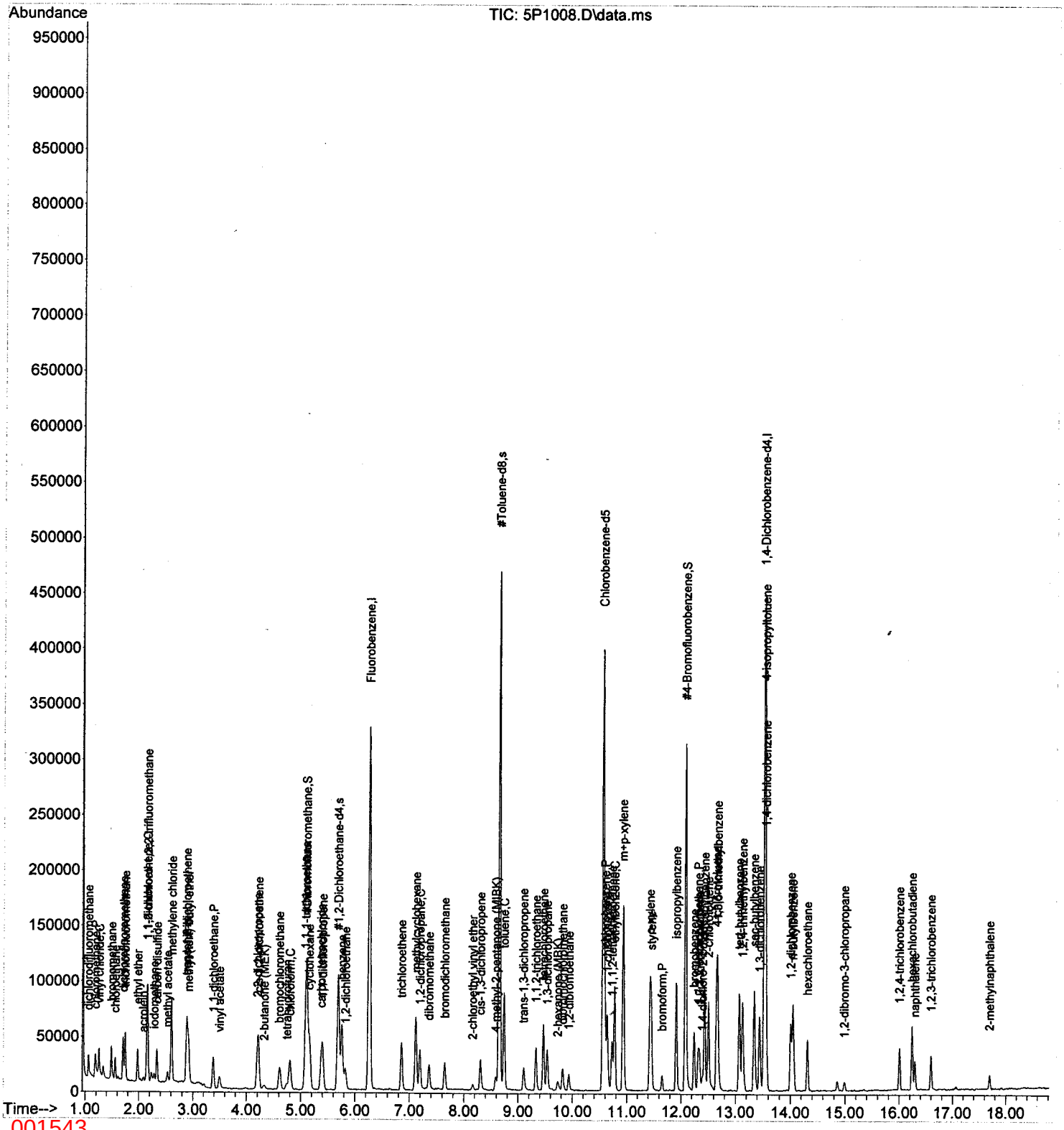
InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 1P1008.D
Acq On : 08 Oct 2014 09:36
Operator : DLV
Sample : STD1
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 08 10:03:52 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.113	83	6958	1.09	ug/L		95
40)	1,2-dichloropropane	7.195	63	3703	1.06	ug/L	#	89
41)	dibromomethane	7.360	93	1847	1.57	ug/L	#	81
42)	bromodichloromethane	7.642	83	3831	2.49	ug/L		96
43)	2-chloroethyl vinyl ether	8.154	63	670	0.57	ug/L	#	46
44)	cis-1,3-dichloropropene	8.301	75	4031	3.31	ug/L		86
45)	4-methyl-2-pentanone (...	8.595	43	4148	1.35	ug/L	#	85
47)	toluene	8.742	91	16821	1.13	ug/L		97
48)	trans-1,3-dichloropropene	9.107	75	2878	3.87	ug/L		85
49)	1,1,2-trichloroethane	9.330	83	3136	2.14	ug/L	#	84
51)	tetrachloroethene	9.466	166	4598	1.25	ug/L		93
52)	1,3-dichloropropane	9.536	76	5491	1.80	ug/L		99
53)	2-hexanone (MBK)	9.730	43	3508	1.58	ug/L	#	83
54)	dibromochloromethane	9.825	129	2496	3.41	ug/L		92
55)	1,2-dibromoethane	9.930	109	2358	2.59	ug/L	#	100
56)	chlorobenzene	10.595	112	9947	1.85	ug/L	#	78
57)	1-chlorohexane	10.636	55	4641	1.32	ug/L		83
58)	1,1,1,2-tetrachloroethane	10.724	131	2675	0.99	ug/L	#	82
59)	ethylbenzene	10.772	91	18142	1.16	ug/L		100
60)	m+p-xylene	10.930	106	12852	2.20	ug/L		95
61)	o-xylene	11.430	106	5840	1.05	ug/L		97
62)	styrene	11.454	104	9513	1.00	ug/L		99
63)	bromoform	11.654	173	1761	1.01	ug/L	#	81
66)	isopropylbenzene	11.913	105	15593	1.10	ug/L		99
67)	bromobenzene	12.242	77	6767	1.78	ug/L		96
68)	1,1,2,2-tetrachloroethane	12.319	83	4259	1.73	ug/L	#	94
69)	1,2,3-trichloropropane	12.342	110	1014	2.02	ug/L		89
70)	1,4-dichloro-2-butene	12.395	53	625	2.63	ug/L	#	58
71)	n-propylbenzene	12.436	120	4182	1.07	ug/L	#	91
72)	2-chlorotoluene	12.507	126	3825	1.12	ug/L		94
73)	1,3,5-trimethylbenzene	12.671	105	14178	1.17	ug/L		93
74)	4-chlorotoluene	12.654	91	13427	1.12	ug/L		100
75)	tert-butylbenzene	13.066	119	13605	1.32	ug/L		90
76)	1,2,4-trimethylbenzene	13.130	105	13771	1.13	ug/L		96
77)	sec-butylbenzene	13.342	105	16534	1.06	ug/L		97
78)	1,3-dichlorobenzene	13.442	146	8023	1.18	ug/L		96
79)	4-isopropyltoluene	13.542	119	14388	1.09	ug/L		97
80)	1,4-dichlorobenzene	13.560	146	8286	1.21	ug/L		88
81)	1,2-dichlorobenzene	14.007	146	7143	1.12	ug/L		98
82)	n-butylbenzene	14.054	91	12251	0.98	ug/L		94
83)	hexachloroethane	14.313	201	1557	1.11	ug/L	#	84
84)	1,2-dibromo-3-chloropr...	14.983	157	438	0.72	ug/L	#	73
85)	1,2,4-trichlorobenzene	16.007	180	2594	4.79	ug/L	#	78
86)	hexachlorobutadiene	16.242	225	2291	0.89	ug/L		81
87)	naphthalene	16.295	128	7478	2.79	ug/L		98
88)	1,2,3-trichlorobenzene	16.595	180	2672	6.00	ug/L		89
89)	2-methylnaphthalene	17.695	142	4561	3.43	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 5P1008.D
Acq On : 08 Oct 2014 10:00
Operator : DLV
Sample : STD2
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 08 10:37:10 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 5P1008.D
Acq On : 08 Oct 2014 10:00
Operator : DLV
Sample : STD2
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 08 10:37:10 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	412338	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	277328	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	134639	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.102	111	100529	38.85	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.13%				
37) #1,2-Dichloroethane-d4	5.690	67	58299	39.51	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.77%				
46) #Toluene-d8	8.654	98	385264	38.59	ug/L		0.00
Spiked Amount 40.000			Recovery = 96.48%				
64) #4-Bromofluorobenzene	12.084	95	135526	38.80	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.00%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.061	85	19437	5.62	ug/L		99
3) chloromethane	1.190	50	26899	5.50	ug/L		95
4) vinyl chloride	1.261	62	24939	5.45	ug/L		97
5) bromomethane	1.490	94	16460	6.73	ug/L		96
6) chloroethane	1.561	64	13960	5.07	ug/L		98
7) dichlorofluoromethane	1.708	67	35637	5.09	ug/L		97
8) trichlorofluoromethane	1.743	101	29693	5.61	ug/L		99
9) ethyl ether	1.978	74	11096	5.39	ug/L		93
10) acrolein	2.084	56	3408	5.82	ug/L	#	99
11) 1,1,2-trichloro-1,2,2-...	2.161	101	18341	5.25	ug/L		98
12) 1,1-dichloroethene	2.155	96	16742	5.51	ug/L		97
13) acetone	2.231	43	11957	Below Cal			98
14) iodomethane	2.284	142	6640	4.60	ug/L		98
15) carbon disulfide	2.337	76	37292	5.12	ug/L		96
16) methyl acetate	2.531	43	13753	5.02	ug/L		96
17) methylene chloride	2.608	49	46179	0.75	ug/L		97
18) acrylonitrile	2.884	53	7870	5.69	ug/L		89
19) trans-1,2-dichloroethene	2.884	96	17941	5.83	ug/L		93
20) methyl (tert) butyl ether	2.919	73	44841	5.30	ug/L		98
21) 1,1-dichloroethane	3.384	63	32598	6.08	ug/L		100
22) vinyl acetate	3.502	43	22797	4.46	ug/L		97
23) 2,2-dichloropropane	4.202	77	18788	4.99	ug/L		98
24) cis-1,2-dichloroethene	4.219	96	18895	5.93	ug/L		98
25) 2-butanone (MEK)	4.325	43	8882	3.71	ug/L		89
26) bromochloromethane	4.607	49	15958	5.97	ug/L		96
27) tetrahydrofuran	4.749	71	2395	5.58	ug/L		94
28) chloroform	4.802	83	31974	5.45	ug/L		97
30) 1,1,1-trichloroethane	5.084	97	23934	5.17	ug/L		97
31) cyclohexane	5.155	56	32786	5.27	ug/L		99
32) carbon tetrachloride	5.378	117	17529	4.89	ug/L		100
33) 1,1-dichloropropene	5.402	75	24521	5.12	ug/L		97
34) benzene	5.760	78	72828	5.05	ug/L		98
35) 1,2-dichloroethane	5.825	62	20749	5.46	ug/L		97
36) heptane	0.000		0	N.D.			
38) trichloroethene	6.854	130	19275	5.37	ug/L		99

001544

Quantitation Report (Not Reviewed)

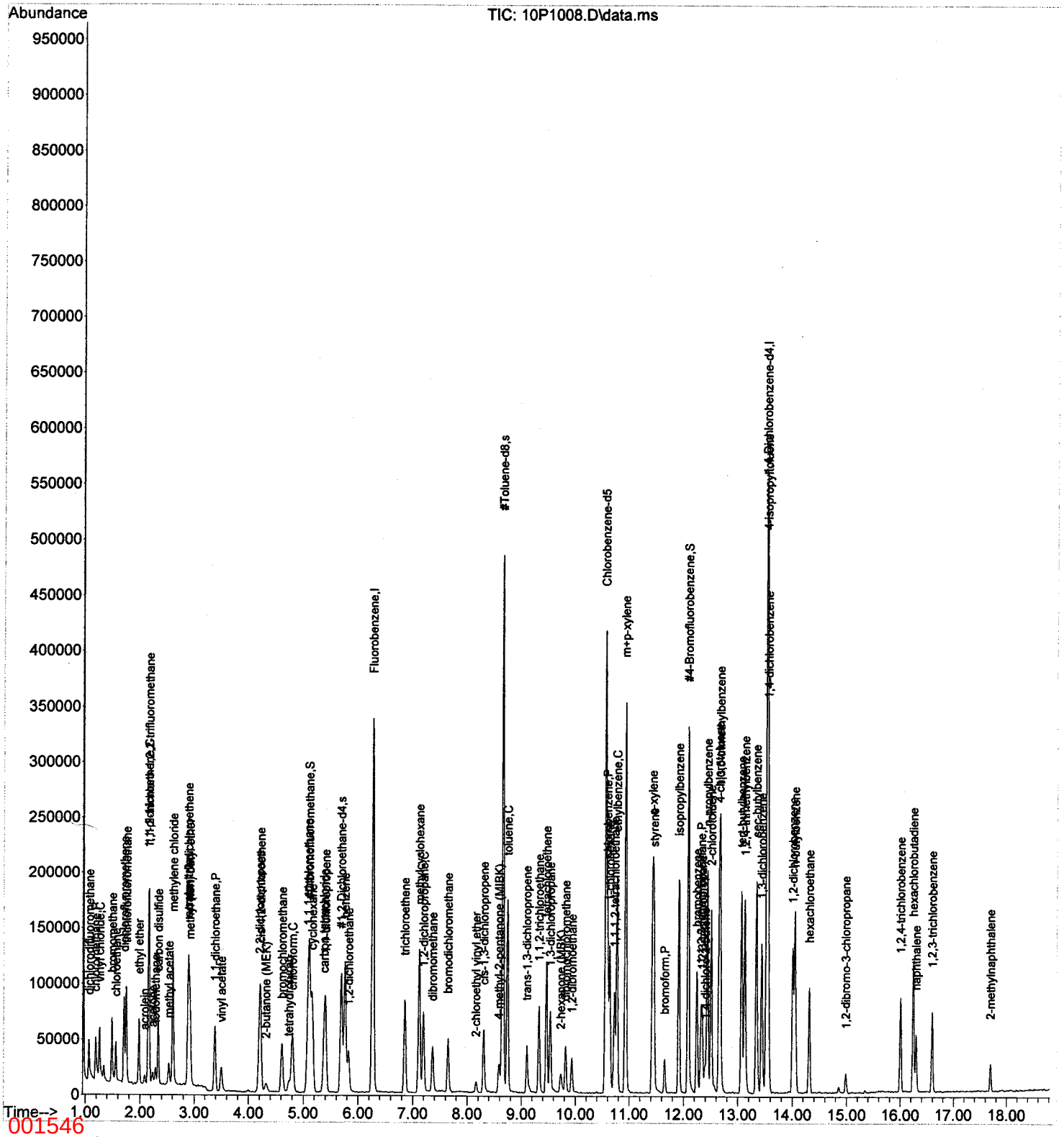
InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 5P1008.D
Acq On : 08 Oct 2014 10:00
Operator : DLV
Sample : STD2
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 08 10:37:10 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	33222	5.11	ug/L		99
40)	1,2-dichloropropane	7.196	63	18459	5.18	ug/L		98
41)	dibromomethane	7.366	93	10857	6.01	ug/L		99
42)	bromodichloromethane	7.649	83	19709	6.23	ug/L		97
43)	2-chloroethyl vinyl ether	8.160	63	2793	2.33	ug/L		94
44)	cis-1,3-dichloropropene	8.307	75	20669	6.60	ug/L		98
45)	4-methyl-2-pentanone (...	8.590	43	15925	5.08	ug/L	#	84
47)	toluene	8.743	91	75868	5.00	ug/L		99
48)	trans-1,3-dichloropropene	9.101	75	15448	7.05	ug/L		92
49)	1,1,2-trichloroethane	9.331	83	12959	6.01	ug/L		99
51)	tetrachloroethene	9.466	166	21510	5.69	ug/L		95
52)	1,3-dichloropropane	9.537	76	24881	5.63	ug/L		100
53)	2-hexanone (MBK)	9.731	43	11882	5.18	ug/L		94
54)	dibromochloromethane	9.825	129	12168	6.57	ug/L		98
55)	1,2-dibromoethane	9.937	109	12199	6.29	ug/L	#	100
56)	chlorobenzene	10.601	112	47888	6.06	ug/L		96
57)	1-chlorohexane	10.642	55	19109	5.25	ug/L		95
58)	1,1,1,2-tetrachloroethane	10.731	131	12939	4.63	ug/L		95
59)	ethylbenzene	10.772	91	81941	5.09	ug/L		98
60)	m+p-xylene	10.931	106	61782	10.24	ug/L		95
61)	o-xylene	11.431	106	29271	5.10	ug/L		99
62)	styrene	11.454	104	47588	4.85	ug/L		98
63)	bromoform	11.654	173	7373	4.08	ug/L		96
66)	isopropylbenzene	11.913	105	80855	5.49	ug/L		98
67)	bromobenzene	12.242	77	31786	6.01	ug/L		98
68)	1,1,2,2-tetrachloroethane	12.319	83	21148	6.09	ug/L	#	99
69)	1,2,3-trichloropropane	12.342	110	5526	6.28	ug/L		99
70)	1,4-dichloro-2-butene	12.395	53	4442	6.33	ug/L		90
71)	n-propylbenzene	12.437	120	21146	5.22	ug/L		100
72)	2-chlorotoluene	12.507	126	19135	5.41	ug/L		97
73)	1,3,5-trimethylbenzene	12.672	105	67326	5.35	ug/L		100
74)	4-chlorotoluene	12.654	91	63737	5.12	ug/L		100
75)	tert-butylbenzene	13.066	119	55743	5.22	ug/L		97
76)	1,2,4-trimethylbenzene	13.131	105	65357	5.18	ug/L		100
77)	sec-butylbenzene	13.342	105	86000	5.28	ug/L		100
78)	1,3-dichlorobenzene	13.442	146	37878	5.37	ug/L		97
79)	4-isopropyltoluene	13.542	119	70663	5.17	ug/L		99
80)	1,4-dichlorobenzene	13.554	146	37115	5.20	ug/L		97
81)	1,2-dichlorobenzene	14.007	146	33170	5.00	ug/L		98
82)	n-butylbenzene	14.048	91	62549	4.80	ug/L		99
83)	hexachloroethane	14.313	201	6546	4.48	ug/L	#	83
84)	1,2-dibromo-3-chloropr...	14.983	157	2608	4.16	ug/L		94
85)	1,2,4-trichlorobenzene	16.007	180	14438	7.29	ug/L		99
86)	hexachlorobutadiene	16.242	225	13167	4.90	ug/L		96
87)	naphthalene	16.295	128	22234	5.00	ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	12388	8.25	ug/L		96
89)	2-methylnaphthalene	17.695	142	7000	5.11	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 10P1008.D
Acq On : 08 Oct 2014 10:23
Operator : DLV
Sample : STD3
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 08 11:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 10P1008.D
Acq On : 08 Oct 2014 10:23
Operator : DLV
Sample : STD3
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 08 11:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	414624	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	281412	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	138672	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	101415	38.98	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.45%		
37) #1,2-Dichloroethane-d4	5.689	67	61699	41.58	ug/L	0.00
Spiked Amount 40.000			Recovery =	103.95%		
46) #Toluene-d8	8.654	98	396745	39.52	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.80%		
64) #4-Bromofluorobenzene	12.083	95	138862	39.18	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.95%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	39692	11.03	ug/L	95
3) chloromethane	1.184	50	51567	10.49	ug/L	98
4) vinyl chloride	1.260	62	48263	10.49	ug/L	96
5) bromomethane	1.490	94	32066	13.04	ug/L	97
6) chloroethane	1.560	64	27933	10.09	ug/L	98
7) dichlorofluoromethane	1.707	67	70018	9.95	ug/L	100
8) trichlorofluoromethane	1.749	101	58846	10.80	ug/L	99
9) ethyl ether	1.978	74	21054	10.12	ug/L	92
10) acrolein	2.084	56	7032	11.93	ug/L	98
11) 1,1,2-trichloro-1,2,2-...	2.160	101	36569	10.40	ug/L	96
12) 1,1-dichloroethene	2.154	96	31077	10.18	ug/L	93
13) acetone	2.231	43	17109	0.44	ug/L	94
14) iodomethane	2.284	142	15558	6.71	ug/L	99
15) carbon disulfide	2.337	76	76366	9.15	ug/L	99
16) methyl acetate	2.531	43	28167	10.22	ug/L	99
17) methylene chloride	2.607	49	68689	5.62	ug/L	99
18) acrylonitrile	2.884	53	14895	10.71	ug/L	95
19) trans-1,2-dichloroethene	2.890	96	37029	11.47	ug/L	97
20) methyl (tert) butyl ether	2.913	73	89468	10.22	ug/L	100
21) 1,1-dichloroethane	3.384	63	67160	11.63	ug/L	98
22) vinyl acetate	3.501	43	44343	8.63	ug/L	99
23) 2,2-dichloropropane	4.201	77	37203	9.82	ug/L	99
24) cis-1,2-dichloroethene	4.219	96	39371	11.40	ug/L	96
25) 2-butanone (MEK)	4.319	43	17740	8.95	ug/L	94
26) bromochloromethane	4.613	49	31262	11.19	ug/L	99
27) tetrahydrofuran	4.737	71	4346	10.07	ug/L	94
28) chloroform	4.801	83	62629	10.62	ug/L	100
30) 1,1,1-trichloroethane	5.084	97	47674	10.24	ug/L	98
31) cyclohexane	5.160	56	65651	10.50	ug/L	98
32) carbon tetrachloride	5.378	117	35632	9.89	ug/L	97
33) 1,1-dichloropropene	5.401	75	51072	10.60	ug/L	97
34) benzene	5.760	78	144549	9.98	ug/L	98
35) 1,2-dichloroethane	5.825	62	43156	10.79	ug/L	97
36) heptane	5.966	57	285	No Calib	#	
38) trichloroethene	6.854	130	36654	10.16	ug/L	96

001547

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 10P1008.D
Acq On : 08 Oct 2014 10:23
Operator : DLV
Sample : STD3
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 08 11:03:59 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

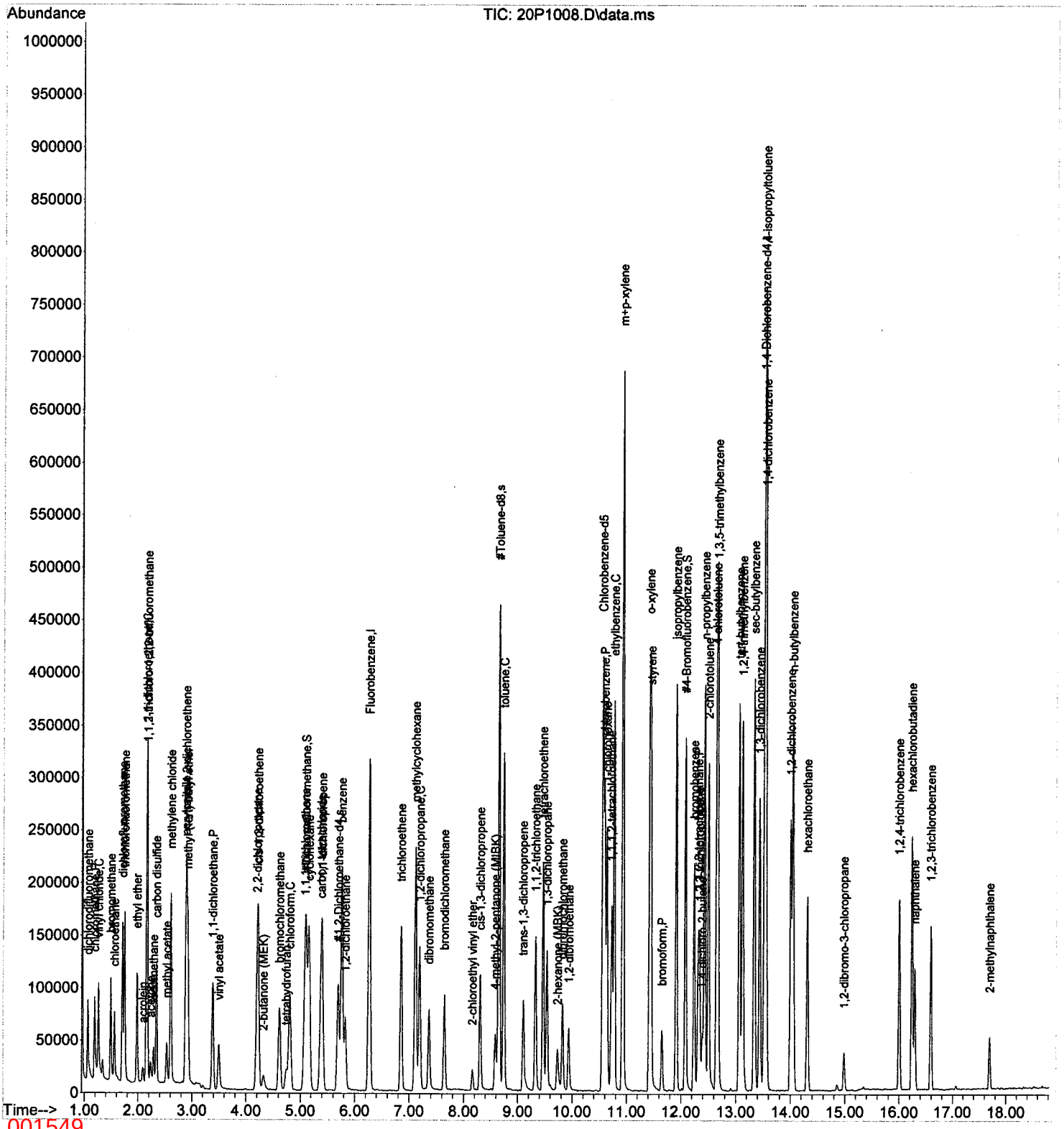
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	67089	10.26	ug/L		99
40)	1,2-dichloropropane	7.195	63	36375	10.15	ug/L		100
41)	dibromomethane	7.366	93	19622	10.30	ug/L		93
42)	bromodichloromethane	7.648	83	38642	10.67	ug/L		99
43)	2-chloroethyl vinyl ether	8.160	63	5913	4.91	ug/L		96
44)	cis-1,3-dichloropropene	8.307	75	42952	10.97	ug/L		98
45)	4-methyl-2-pentanone (...	8.583	43	29377	9.32	ug/L		97
47)	toluene	8.742	91	152639	10.01	ug/L		98
48)	trans-1,3-dichloropropene	9.101	75	31505	11.09	ug/L		95
49)	1,1,2-trichloroethane	9.330	83	25209	10.82	ug/L		97
51)	tetrachloroethene	9.466	166	41220	10.74	ug/L		99
52)	1,3-dichloropropane	9.536	76	52416	10.97	ug/L		99
53)	2-hexanone (MBK)	9.730	43	20371	8.75	ug/L		98
54)	dibromochloromethane	9.825	129	27150	11.36	ug/L		99
55)	1,2-dibromoethane	9.936	109	24456	10.80	ug/L	#	100
56)	chlorobenzene	10.595	112	95621	11.25	ug/L		99
57)	1-chlorohexane	10.636	55	37296	10.11	ug/L		92
58)	1,1,1,2-tetrachloroethane	10.730	131	27862	9.82	ug/L		99
59)	ethylbenzene	10.772	91	170297	10.42	ug/L		100
60)	m+p-xylene	10.930	106	122641	20.03	ug/L		99
61)	o-xylene	11.430	106	59355	10.20	ug/L		96
62)	styrene	11.454	104	98640	9.90	ug/L		99
63)	bromoform	11.654	173	16280	8.89	ug/L		99
66)	isopropylbenzene	11.913	105	160258	10.56	ug/L		99
67)	bromobenzene	12.242	77	61386	10.77	ug/L		97
68)	1,1,2,2-tetrachloroethane	12.319	83	39280	10.52	ug/L	#	97
69)	1,2,3-trichloropropane	12.342	110	11152	11.32	ug/L		98
70)	1,4-dichloro-2-butene	12.395	53	9924	11.38	ug/L		88
71)	n-propylbenzene	12.436	120	43299	10.38	ug/L		98
72)	2-chlorotoluene	12.507	126	38154	10.47	ug/L		100
73)	1,3,5-trimethylbenzene	12.671	105	133777	10.31	ug/L		100
74)	4-chlorotoluene	12.654	91	129286	10.09	ug/L		100
75)	tert-butylbenzene	13.066	119	113881	10.36	ug/L		99
76)	1,2,4-trimethylbenzene	13.130	105	129108	9.93	ug/L		99
77)	sec-butylbenzene	13.342	105	176028	10.50	ug/L		100
78)	1,3-dichlorobenzene	13.436	146	73775	10.16	ug/L		98
79)	4-isopropyltoluene	13.542	119	142941	10.15	ug/L		100
80)	1,4-dichlorobenzene	13.554	146	74282	10.10	ug/L		98
81)	1,2-dichlorobenzene	14.007	146	69263	10.15	ug/L		98
82)	n-butylbenzene	14.048	91	132408	9.86	ug/L		99
83)	hexachloroethane	14.313	201	15433	10.25	ug/L		90
84)	1,2-dibromo-3-chloropr...	14.983	157	5756	8.90	ug/L		95
85)	1,2,4-trichlorobenzene	16.007	180	33908	11.22	ug/L		95
86)	hexachlorobutadiene	16.242	225	27215	9.84	ug/L		99
87)	naphthalene	16.295	128	49848	8.92	ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	26483	11.37	ug/L		99
89)	2-methylnaphthalene	17.695	142	13782	9.62	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001548

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 20P1008.D
Acq On : 08 Oct 2014 10:47
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 08 11:48:40 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 20P1008.D
Acq On : 08 Oct 2014 10:47
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 08 11:48:40 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	392692	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	274590	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	137305	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	98251	39.87	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.67%			
37) #1,2-Dichloroethane-d4	5.696	67	56893	40.49	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.23%			
46) #Toluene-d8	8.654	98	380974	40.07	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.18%			
64) #4-Bromofluorobenzene	12.083	95	137005	39.62	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.05%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	72878	21.03	ug/L	99
3) chloromethane	1.190	50	94328	20.25	ug/L	99
4) vinyl chloride	1.260	62	89990	20.65	ug/L	97
5) bromomethane	1.490	94	53809	23.11	ug/L	100
6) chloroethane	1.560	64	51047	19.47	ug/L	98
7) dichlorofluoromethane	1.707	67	128632	19.30	ug/L	100
8) trichlorofluoromethane	1.749	101	106806	20.44	ug/L	98
9) ethyl ether	1.978	74	39693	20.08	ug/L	96
10) acrolein	2.090	56	12162	21.79	ug/L #	99
11) 1,1,2-trichloro-1,2,2-...	2.166	101	63927	19.20	ug/L	98
12) 1,1-dichloroethene	2.155	96	59634	20.63	ug/L	97
13) acetone	2.231	43	26332	10.01	ug/L	99
14) iodomethane	2.284	142	33795	11.47	ug/L	100
15) carbon disulfide	2.337	76	140819	16.64	ug/L	100
16) methyl acetate	2.531	43	54970	21.07	ug/L	98
17) methylene chloride	2.607	49	108449	15.63	ug/L	99
18) acrylonitrile	2.884	53	29480	22.37	ug/L	97
19) trans-1,2-dichloroethene	2.890	96	64357	20.65	ug/L	95
20) methyl (tert) butyl ether	2.919	73	165942	19.72	ug/L	100
21) 1,1-dichloroethane	3.384	63	117644	20.85	ug/L	99
22) vinyl acetate	3.502	43	88400	18.17	ug/L	99
23) 2,2-dichloropropane	4.201	77	69025	19.24	ug/L	99
24) cis-1,2-dichloroethene	4.219	96	69479	20.52	ug/L	99
25) 2-butanone (MEK)	4.319	43	28114	16.05	ug/L	99
26) bromochloromethane	4.613	49	56965	21.10	ug/L	99
27) tetrahydrofuran	4.737	71	8621	21.10	ug/L	98
28) chloroform	4.801	83	113715	20.37	ug/L	99
30) 1,1,1-trichloroethane	5.084	97	85186	19.33	ug/L	98
31) cyclohexane	5.160	56	119476	20.17	ug/L	99
32) carbon tetrachloride	5.384	117	68588	20.11	ug/L	98
33) 1,1-dichloropropene	5.401	75	90564	19.85	ug/L	100
34) benzene	5.760	78	267019	19.46	ug/L	99
35) 1,2-dichloroethane	5.825	62	79995	20.65	ug/L	99
36) heptane	5.954	57	533	No Calib	#	
38) trichloroethene	6.854	130	69759	20.41	ug/L	99

001550

Quantitation Report (Not Reviewed)

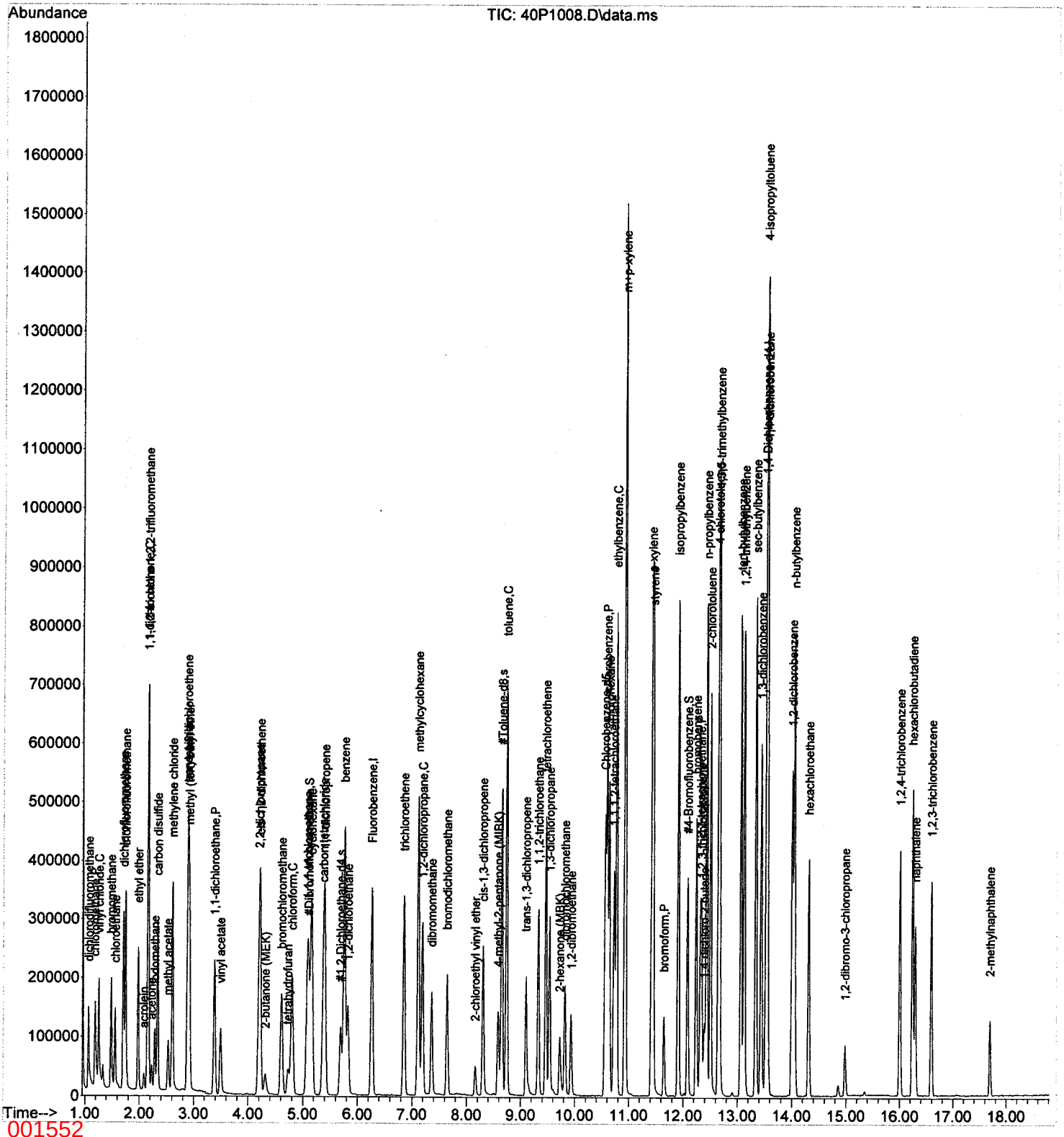
InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 20P1008.D
Acq On : 08 Oct 2014 10:47
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 08 11:48:40 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	122451	19.77 ug/L	98
40) 1,2-dichloropropane	7.195	63	67191	19.80 ug/L	99
41) dibromomethane	7.366	93	38090	20.45 ug/L	99
42) bromodichloromethane	7.648	83	73892	19.96 ug/L	97
43) 2-chloroethyl vinyl ether	8.160	63	11125	9.75 ug/L	95
44) cis-1,3-dichloropropene	8.307	75	83311	19.85 ug/L	98
45) 4-methyl-2-pentanone (...	8.584	43	57252	19.19 ug/L	98
47) toluene	8.742	91	285473	19.77 ug/L	100
48) trans-1,3-dichloropropene	9.101	75	61781	19.62 ug/L	97
49) 1,1,2-trichloroethane	9.331	83	49441	21.47 ug/L	97
51) tetrachloroethene	9.466	166	77537	20.71 ug/L	98
52) 1,3-dichloropropane	9.536	76	98445	20.51 ug/L	98
53) 2-hexanone (MBK)	9.731	43	42349	18.65 ug/L	98
54) dibromochloromethane	9.825	129	50318	19.27 ug/L	99
55) 1,2-dibromoethane	9.936	109	49011	20.42 ug/L #	100
56) chlorobenzene	10.595	112	176072	20.61 ug/L	99
57) 1-chlorohexane	10.636	55	69149	19.21 ug/L	97
58) 1,1,1,2-tetrachloroethane	10.725	131	52868	19.10 ug/L	98
59) ethylbenzene	10.772	91	316037	19.81 ug/L	100
60) m+p-xylene	10.931	106	240109	40.19 ug/L	97
61) o-xylene	11.430	106	113301	19.96 ug/L	96
62) styrene	11.454	104	192606	19.81 ug/L	99
63) bromoform	11.654	173	32761	18.33 ug/L	99
66) isopropylbenzene	11.913	105	303590	20.20 ug/L	100
67) bromobenzene	12.242	77	118029	20.36 ug/L	99
68) 1,1,2,2-tetrachloroethane	12.319	83	78500	20.64 ug/L #	98
69) 1,2,3-trichloropropane	12.342	110	21102	20.69 ug/L	96
70) 1,4-dichloro-2-butene	12.389	53	18855	20.01 ug/L	86
71) n-propylbenzene	12.436	120	82963	20.09 ug/L	99
72) 2-chlorotoluene	12.507	126	70669	19.59 ug/L	98
73) 1,3,5-trimethylbenzene	12.672	105	269291	20.97 ug/L	99
74) 4-chlorotoluene	12.648	91	251259	19.81 ug/L	100
75) tert-butylbenzene	13.066	119	221290	20.33 ug/L	97
76) 1,2,4-trimethylbenzene	13.125	105	259795	20.17 ug/L	100
77) sec-butylbenzene	13.342	105	344751	20.77 ug/L	99
78) 1,3-dichlorobenzene	13.436	146	145806	20.29 ug/L	99
79) 4-isopropyltoluene	13.536	119	282584	20.26 ug/L	99
80) 1,4-dichlorobenzene	13.554	146	145017	19.91 ug/L	100
81) 1,2-dichlorobenzene	14.007	146	132696	19.63 ug/L	100
82) n-butylbenzene	14.048	91	273784	20.59 ug/L	100
83) hexachloroethane	14.313	201	30615	20.54 ug/L	97
84) 1,2-dibromo-3-chloropr...	14.983	157	11745	18.35 ug/L	92
85) 1,2,4-trichlorobenzene	16.007	180	69679	18.75 ug/L	99
86) hexachlorobutadiene	16.242	225	57064	20.83 ug/L	100
87) naphthalene	16.295	128	107371	17.16 ug/L	98
88) 1,2,3-trichlorobenzene	16.595	180	58303	18.72 ug/L	100
89) 2-methylnaphthalene	17.695	142	27056	18.06 ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 40P1008.D
Acq On : 08 Oct 2014 11:10
Operator : DLV
Sample : STD5
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 08 11:48:47 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 40P1008.D
Acq On : 08 Oct 2014 11:10
Operator : DLV
Sample : STD5
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 08 11:48:47 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	432373	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	299755	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	149159	40.00	ug/L		0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	108836	40.11	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.28%				
37) #1,2-Dichloroethane-d4	5.690	67	62490	40.39	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.97%				
46) #Toluene-d8	8.654	98	424827	40.58	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.45%				
64) #4-Bromofluorobenzene	12.083	95	153020	40.53	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.33%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.066	85	149767	38.94	ug/L		99
3) chloromethane	1.184	50	199536	38.91	ug/L		100
4) vinyl chloride	1.260	62	185488	38.65	ug/L		99
5) bromomethane	1.484	94	111624	43.54	ug/L		99
6) chloroethane	1.560	64	102103	35.37	ug/L		100
7) dichlorofluoromethane	1.707	67	274473	37.41	ug/L		99
8) trichlorofluoromethane	1.743	101	227104	39.22	ug/L		100
9) ethyl ether	1.978	74	87760	40.25	ug/L		97
10) acrolein	2.084	56	23693	38.56	ug/L	#	98
11) 1,1,2-trichloro-1,2,2-...	2.160	101	142986	39.00	ug/L		99
12) 1,1-dichloroethene	2.154	96	126568	39.76	ug/L		99
13) acetone	2.225	43	52135	29.87	ug/L		95
14) iodomethane	2.284	142	110339	28.07	ug/L		99
15) carbon disulfide	2.337	76	363482	37.35	ug/L		99
16) methyl acetate	2.525	43	117826	41.02	ug/L		99
17) methylene chloride	2.607	49	212559	35.15	ug/L		99
18) acrylonitrile	2.884	53	59256	40.85	ug/L		98
19) trans-1,2-dichloroethene	2.884	96	137657	39.67	ug/L		95
20) methyl (tert) butyl ether	2.913	73	361749	38.75	ug/L		100
21) 1,1-dichloroethane	3.384	63	261385	41.28	ug/L		100
22) vinyl acetate	3.496	43	217395	40.57	ug/L		99
23) 2,2-dichloropropane	4.201	77	148249	37.53	ug/L		99
24) cis-1,2-dichloroethene	4.219	96	152073	39.96	ug/L		99
25) 2-butanone (MEK)	4.313	43	64679	35.29	ug/L		95
26) bromochloromethane	4.613	49	120920	40.25	ug/L		98
27) tetrahydrofuran	4.725	71	18271	40.61	ug/L		97
28) chloroform	4.801	83	245804	39.98	ug/L		100
30) 1,1,1-trichloroethane	5.084	97	194293	40.04	ug/L		97
31) cyclohexane	5.160	56	257722	39.51	ug/L		98
32) carbon tetrachloride	5.378	117	158621	42.24	ug/L		100
33) 1,1-dichloropropene	5.401	75	201180	40.05	ug/L		98
34) benzene	5.760	78	582005	38.51	ug/L		96
35) 1,2-dichloroethane	5.825	62	173029	40.10	ug/L		98
36) heptane	5.954	57	1752	No Calib		#	
38) trichloroethene	6.854	130	147679	39.25	ug/L		97

Quantitation Report (Not Reviewed)

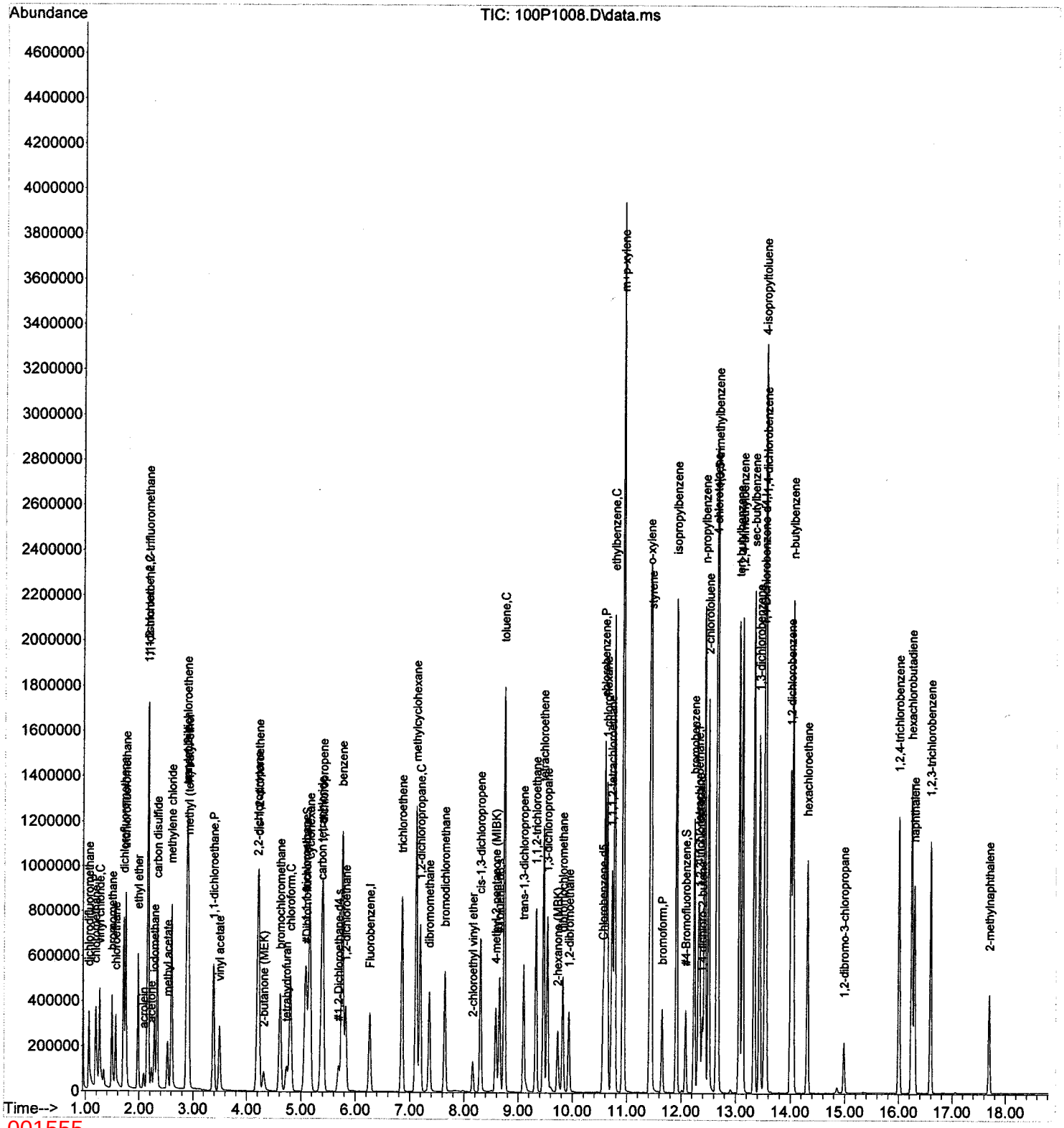
InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 40P1008.D
Acq On : 08 Oct 2014 11:10
Operator : DLV
Sample : STD5
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 08 11:48:47 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	267748	39.26 ug/L	98
40) 1,2-dichloropropane	7.195	63	147687	39.53 ug/L	99
41) dibromomethane	7.366	93	85330	40.94 ug/L	99
42) bromodichloromethane	7.648	83	165171	38.92 ug/L	99
43) 2-chloroethyl vinyl ether	8.160	63	28427	22.64 ug/L	97
44) cis-1,3-dichloropropene	8.301	75	185084	37.52 ug/L	99
45) 4-methyl-2-pentanone (...	8.584	43	137189	41.76 ug/L	98
47) toluene	8.742	91	616097	38.75 ug/L	100
48) trans-1,3-dichloropropene	9.101	75	141974	37.56 ug/L	99
49) 1,1,2-trichloroethane	9.331	83	105484	40.78 ug/L	99
51) tetrachloroethene	9.466	166	163847	40.08 ug/L	99
52) 1,3-dichloropropane	9.536	76	217583	40.84 ug/L	99
53) 2-hexanone (MBK)	9.725	43	99250	40.04 ug/L	99
54) dibromochloromethane	9.825	129	115469	37.68 ug/L	97
55) 1,2-dibromoethane	9.936	109	109677	40.11 ug/L #	100
56) chlorobenzene	10.595	112	387365	40.82 ug/L	98
57) 1-chlorohexane	10.636	55	149132	37.94 ug/L	96
58) 1,1,1,2-tetrachloroethane	10.725	131	117380	38.85 ug/L	99
59) ethylbenzene	10.772	91	689618	39.60 ug/L	98
60) m+p-xylene	10.930	106	509394	78.11 ug/L	100
61) o-xylene	11.425	106	241556	38.97 ug/L	100
62) styrene	11.454	104	418185	39.40 ug/L	99
63) bromoform	11.654	173	74528	38.19 ug/L	98
66) isopropylbenzene	11.913	105	662027	40.55 ug/L	100
67) bromobenzene	12.242	77	254414	39.83 ug/L	99
68) 1,1,2,2-tetrachloroethane	12.319	83	172297	41.12 ug/L #	100
69) 1,2,3-trichloropropane	12.342	110	46614	41.02 ug/L	98
70) 1,4-dichloro-2-butene	12.389	53	38448	35.81 ug/L	97
71) n-propylbenzene	12.436	120	177551	39.58 ug/L	99
72) 2-chlorotoluene	12.507	126	155346	39.64 ug/L	97
73) 1,3,5-trimethylbenzene	12.672	105	564883	40.48 ug/L	100
74) 4-chlorotoluene	12.648	91	533792	38.73 ug/L	98
75) tert-butylbenzene	13.066	119	475072	40.18 ug/L	100
76) 1,2,4-trimethylbenzene	13.124	105	548441	39.20 ug/L	99
77) sec-butylbenzene	13.342	105	729016	40.43 ug/L	99
78) 1,3-dichlorobenzene	13.436	146	305578	39.14 ug/L	99
79) 4-isopropyltoluene	13.536	119	613165	40.46 ug/L	100
80) 1,4-dichlorobenzene	13.554	146	301476	38.10 ug/L	98
81) 1,2-dichlorobenzene	14.007	146	283112	38.55 ug/L	99
82) n-butylbenzene	14.048	91	583554	40.40 ug/L	99
83) hexachloroethane	14.313	201	65213	40.28 ug/L	99
84) 1,2-dibromo-3-chloropr...	14.983	157	29102	41.86 ug/L	96
85) 1,2,4-trichlorobenzene	16.007	180	158979	34.74 ug/L	99
86) hexachlorobutadiene	16.242	225	120472	40.49 ug/L	98
87) naphthalene	16.295	128	275593	36.40 ug/L	100
88) 1,2,3-trichlorobenzene	16.595	180	138119	34.51 ug/L	98
89) 2-methylnaphthalene	17.695	142	72025	38.49 ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 100P1008.D
Acq On : 08 Oct 2014 11:34
Operator : DLV
Sample : STD6
Misc :
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 08 11:54:11 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 100P1008.D
Acq On : 08 Oct 2014 11:34
Operator : DLV
Sample : STD6
Misc :
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 08 11:54:11 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	424318	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	298723	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	145419	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	105651	39.68	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.20%			
37) #1,2-Dichloroethane-d4	5.690	67	62695	41.29	ug/L	0.00
Spiked Amount 40.000			Recovery = 103.22%			
46) #Toluene-d8	8.654	98	413869	40.28	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.70%			
64) #4-Bromofluorobenzene	12.083	95	146629	38.97	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.42%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.060	85	373654	98.43	ug/L	99
3) chloromethane	1.184	50	490598	97.48	ug/L	100
4) vinyl chloride	1.260	62	471469	100.11	ug/L	100
5) bromomethane	1.490	94	255011	101.37	ug/L	97
6) chloroethane	1.560	64	268357	94.74	ug/L	96
7) dichlorofluoromethane	1.707	67	696589	96.74	ug/L	99
8) trichlorofluoromethane	1.743	101	572143	100.24	ug/L	99
9) ethyl ether	1.978	74	213546	99.71	ug/L	98
10) acrolein	2.084	56	58974	97.79	ug/L	96
11) 1,1,2-trichloro-1,2,2-...	2.160	101	354457	98.52	ug/L	99
12) 1,1-dichloroethene	2.155	96	317082	101.49	ug/L	100
13) acetone	2.225	43	117885	88.23	ug/L	97
14) iodomethane	2.284	142	343833	82.54	ug/L	99
15) carbon disulfide	2.337	76	923428	94.73	ug/L	99
16) methyl acetate	2.531	43	285910	101.42	ug/L	99
17) methylene chloride	2.602	49	503606	98.15	ug/L	100
18) acrylonitrile	2.884	53	140603	98.76	ug/L	98
19) trans-1,2-dichloroethene	2.884	96	358027	104.34	ug/L	98
20) methyl (tert) butyl ether	2.913	73	903025	98.09	ug/L	98
21) 1,1-dichloroethane	3.384	63	649657	103.35	ug/L	99
22) vinyl acetate	3.496	43	528164	100.44	ug/L	99
23) 2,2-dichloropropane	4.201	77	388419	100.20	ug/L	99
24) cis-1,2-dichloroethene	4.219	96	388484	102.69	ug/L	98
25) 2-butanone (MEK)	4.313	43	162852	93.04	ug/L	98
26) bromochloromethane	4.613	49	307684	103.62	ug/L	98
27) tetrahydrofuran	4.731	71	44342	100.42	ug/L	96
28) chloroform	4.801	83	625321	103.64	ug/L	99
30) 1,1,1-trichloroethane	5.084	97	495405	104.03	ug/L	100
31) cyclohexane	5.160	56	666643	104.15	ug/L	98
32) carbon tetrachloride	5.378	117	431738	117.14	ug/L	99
33) 1,1-dichloropropene	5.401	75	512455	103.96	ug/L	99
34) benzene	5.760	78	1469780	99.11	ug/L	95
35) 1,2-dichloroethane	5.825	62	432388	101.37	ug/L	98
36) heptane	5.943	57	4277	No Calib	#	
38) trichloroethene	6.854	130	375134	101.58	ug/L	97

001556

Quantitation Report (Not Reviewed)

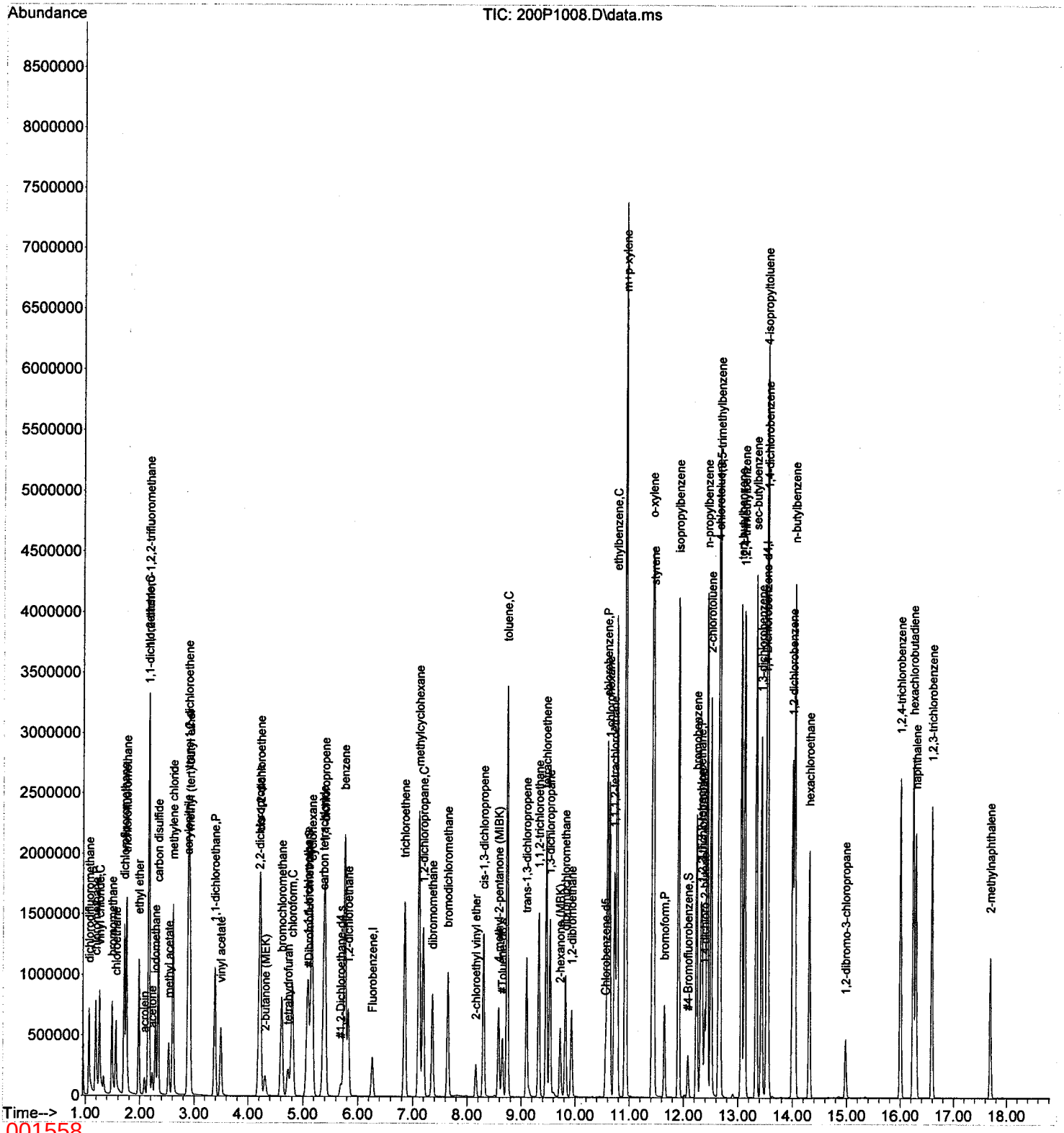
InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 100P1008.D
Acq On : 08 Oct 2014 11:34
Operator : DLV
Sample : STD6
Misc :
ALS Vial : 8 Sample Multiplier: 1
Quant Time: Oct 08 11:54:11 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	684813	102.32 ug/L	98
40) 1,2-dichloropropane	7.195	63	383334	104.56 ug/L	100
41) dibromomethane	7.360	93	211164	102.27 ug/L	97
42) bromodichloromethane	7.648	83	429705	100.59 ug/L	100
43) 2-chloroethyl vinyl ether	8.160	63	76045	61.70 ug/L	99
44) cis-1,3-dichloropropene	8.301	75	502757	99.43 ug/L	99
45) 4-methyl-2-pentanone (...	8.584	43	330272	102.44 ug/L	98
47) toluene	8.742	91	1578838	101.20 ug/L	99
48) trans-1,3-dichloropropene	9.101	75	385850	98.49 ug/L	98
49) 1,1,2-trichloroethane	9.331	83	265384	103.17 ug/L	98
51) tetrachloroethene	9.466	166	410144	100.68 ug/L	100
52) 1,3-dichloropropane	9.536	76	552474	103.02 ug/L	99
53) 2-hexanone (MBK)	9.725	43	237670	96.21 ug/L	98
54) dibromochloromethane	9.825	129	314834	98.64 ug/L	100
55) 1,2-dibromoethane	9.936	109	275763	98.66 ug/L #	100
56) chlorobenzene	10.595	112	987826	103.36 ug/L	98
57) 1-chlorohexane	10.636	55	380840	97.23 ug/L	100
58) 1,1,1,2-tetrachloroethane	10.725	131	313740	104.19 ug/L	99
59) ethylbenzene	10.772	91	1782304	102.69 ug/L	99
60) m+p-xylene	10.931	106	1317009	202.64 ug/L	99
61) o-xylene	11.425	106	630019	102.00 ug/L	97
62) styrene	11.454	104	1073441	101.50 ug/L	100
63) bromoform	11.654	173	205157	105.49 ug/L	99
66) isopropylbenzene	11.913	105	1690730	106.23 ug/L	99
67) bromobenzene	12.242	77	648931	103.27 ug/L	99
68) 1,1,2,2-tetrachloroethane	12.319	83	428127	103.90 ug/L #	100
69) 1,2,3-trichloropropane	12.342	110	113960	101.32 ug/L	95
70) 1,4-dichloro-2-butene	12.389	53	100089	92.28 ug/L	96
71) n-propylbenzene	12.436	120	455457	104.14 ug/L	98
72) 2-chlorotoluene	12.507	126	393069	102.88 ug/L	97
73) 1,3,5-trimethylbenzene	12.672	105	1442325	106.03 ug/L	99
74) 4-chlorotoluene	12.648	91	1365184	101.61 ug/L	100
75) tert-butylbenzene	13.066	119	1221682	105.98 ug/L	99
76) 1,2,4-trimethylbenzene	13.124	105	1397899	102.49 ug/L	99
77) sec-butylbenzene	13.342	105	1879548	106.92 ug/L	100
78) 1,3-dichlorobenzene	13.436	146	769666	101.11 ug/L	99
79) 4-isopropyltoluene	13.536	119	1553937	105.18 ug/L	99
80) 1,4-dichlorobenzene	13.554	146	766525	99.36 ug/L	99
81) 1,2-dichlorobenzene	14.007	146	708980	99.03 ug/L	99
82) n-butylbenzene	14.048	91	1538877	109.28 ug/L	99
83) hexachloroethane	14.313	201	182891	115.88 ug/L	93
84) 1,2-dibromo-3-chloropr...	14.983	157	75146	110.86 ug/L	98
85) 1,2,4-trichlorobenzene	16.001	180	470525	96.88 ug/L	99
86) hexachlorobutadiene	16.242	225	318434	109.78 ug/L	98
87) naphthalene	16.295	128	879485	98.66 ug/L	99
88) 1,2,3-trichlorobenzene	16.595	180	416821	95.61 ug/L	98
89) 2-methylnaphthalene	17.695	142	243920	96.69 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 200P1008.D
Acq On : 08 Oct 2014 12:21
Operator : DLV
Sample : STD7
Misc :
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 08 12:45:43 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 200P1008.D
Acq On : 08 Oct 2014 12:21
Operator : DLV
Sample : STD7
Misc :
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 08 12:45:43 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	389729	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	281904	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	137450	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	99449	40.67	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.68%		
37) #1,2-Dichloroethane-d4	5.689	67	56795	40.72	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.80%		
46) #Toluene-d8	8.654	98	391435	41.48	ug/L	0.00
Spiked Amount 40.000			Recovery =	103.70%		
64) #4-Bromofluorobenzene	12.083	95	137960	38.86	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.15%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	709296	203.04	ug/L	99
3) chloromethane	1.190	50	934363	202.13	ug/L	100
4) vinyl chloride	1.260	62	898142	207.64	ug/L	100
5) bromomethane	1.490	94	467693	202.41	ug/L	97
6) chloroethane	1.560	64	487771	187.49	ug/L	97
7) dichlorofluoromethane	1.707	67	1301377	196.76	ug/L	99
8) trichlorofluoromethane	1.748	101	1068361	203.50	ug/L	99
9) ethyl ether	1.978	74	399443	203.00	ug/L	98
10) acrolein	2.084	56	113717	205.30	ug/L	97
11) 1,1,2-trichloro-1,2,2-...	2.160	101	672377	203.46	ug/L	99
12) 1,1-dichloroethene	2.154	96	601952	209.78	ug/L	99
13) acetone	2.225	43	207508	182.72	ug/L	97
14) iodomethane	2.284	142	675475	173.10	ug/L	99
15) carbon disulfide	2.337	76	1703200	188.98	ug/L	99
16) methyl acetate	2.531	43	566114	218.63	ug/L	99
17) methylene chloride	2.607	49	927958	206.35	ug/L	99
18) acrylonitrile	2.878	53	280377	214.41	ug/L	99
19) trans-1,2-dichloroethene	2.890	96	675693	213.89	ug/L	99
20) methyl (tert) butyl ether	2.913	73	1683396	198.76	ug/L	99
21) 1,1-dichloroethane	3.384	63	1213231	209.33	ug/L	100
22) vinyl acetate	3.495	43	1029704	213.20	ug/L	100
23) 2,2-dichloropropane	4.201	77	723272	203.14	ug/L	98
24) cis-1,2-dichloroethene	4.219	96	727288	208.45	ug/L	98
25) 2-butanone (MEK)	4.313	43	297800	186.82	ug/L	99
26) bromochloromethane	4.613	49	578568	211.64	ug/L	99
27) tetrahydrofuran	4.731	71	91564	225.77	ug/L	95
28) chloroform	4.801	83	1166973	210.59	ug/L	100
30) 1,1,1-trichloroethane	5.084	97	940826	215.09	ug/L	98
31) cyclohexane	5.160	56	1243446	211.50	ug/L	98
32) carbon tetrachloride	5.378	117	820981	242.52	ug/L	98
33) 1,1-dichloropropene	5.401	75	943568	208.42	ug/L	99
34) benzene	5.760	78	2734190	200.74	ug/L	98
35) 1,2-dichloroethane	5.825	62	810437	206.36	ug/L	99
36) heptane	5.954	57	7054	No Calib	#	
38) trichloroethene	6.854	130	703681	207.46	ug/L	97

001559

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 200P1008.D
Acq On : 08 Oct 2014 12:21
Operator : DLV
Sample : STD7
Misc :
ALS Vial : 10 Sample Multiplier: 1
Quant Time: Oct 08 12:45:43 2014
Quant Method : C:\gcms\1\methods\8260S-16.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 14:24:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	1267671	206.22	ug/L		98
40) 1,2-dichloropropane	7.195	63	722158	214.46	ug/L		100
41) dibromomethane	7.366	93	401115	210.83	ug/L		98
42) bromodichloromethane	7.648	83	818521	206.95	ug/L		99
43) 2-chloroethyl vinyl ether	8.160	63	144641	127.78	ug/L		99
44) cis-1,3-dichloropropene	8.307	75	967975	205.69	ug/L		98
45) 4-methyl-2-pentanone (...	8.583	43	625894	211.36	ug/L		98
47) toluene	8.742	91	2934386	204.77	ug/L		100
48) trans-1,3-dichloropropene	9.101	75	766402	209.37	ug/L		98
49) 1,1,2-trichloroethane	9.330	83	501169	211.22	ug/L		98
51) tetrachloroethene	9.466	166	764253	198.80	ug/L		99
52) 1,3-dichloropropane	9.536	76	1030981	203.06	ug/L		99
53) 2-hexanone (MBK)	9.725	43	466043	199.91	ug/L		97
54) dibromochloromethane	9.825	129	615899	201.73	ug/L		100
55) 1,2-dibromoethane	9.936	109	542064	203.71	ug/L	#	100
56) chlorobenzene	10.595	112	1844618	203.83	ug/L		98
57) 1-chlorohexane	10.636	55	726068	196.43	ug/L		99
58) 1,1,1,2-tetrachloroethane	10.724	131	594825	209.33	ug/L		99
59) ethylbenzene	10.772	91	3352401	204.68	ug/L		99
60) m+p-xylene	10.930	106	2481276	404.55	ug/L		99
61) o-xylene	11.430	106	1192535	204.60	ug/L		98
62) styrene	11.454	104	2026413	203.03	ug/L		100
63) bromoform	11.654	173	416911	227.17	ug/L		98
66) isopropylbenzene	11.913	105	3203895	212.97	ug/L		99
67) bromobenzene	12.242	77	1229258	206.37	ug/L		99
68) 1,1,2,2-tetrachloroethane	12.319	83	819774	209.88	ug/L	#	99
69) 1,2,3-trichloropropane	12.342	110	223784	209.40	ug/L		94
70) 1,4-dichloro-2-butene	12.389	53	202834	195.57	ug/L		90
71) n-propylbenzene	12.436	120	867981	209.97	ug/L		99
72) 2-chlorotoluene	12.507	126	735347	203.62	ug/L		98
73) 1,3,5-trimethylbenzene	12.671	105	2737972	212.94	ug/L		100
74) 4-chlorotoluene	12.648	91	2575646	202.82	ug/L		99
75) tert-butylbenzene	13.066	119	2322466	213.16	ug/L		100
76) 1,2,4-trimethylbenzene	13.124	105	2665412	206.74	ug/L		99
77) sec-butylbenzene	13.342	105	3580102	215.46	ug/L		100
78) 1,3-dichlorobenzene	13.436	146	1443645	200.64	ug/L		99
79) 4-isopropyltoluene	13.536	119	2983251	213.63	ug/L		99
80) 1,4-dichlorobenzene	13.554	146	1452365	199.19	ug/L		99
81) 1,2-dichlorobenzene	14.007	146	1357873	200.66	ug/L		100
82) n-butylbenzene	14.048	91	2959474	222.34	ug/L		99
83) hexachloroethane	14.313	201	364618	244.41	ug/L		91
84) 1,2-dibromo-3-chloropr...	14.983	157	162237	253.22	ug/L		98
85) 1,2,4-trichlorobenzene	16.001	180	985774	209.60	ug/L		100
86) hexachlorobutadiene	16.242	225	640510	233.61	ug/L		99
87) naphthalene	16.295	128	2073835	197.60	ug/L		99
88) 1,2,3-trichlorobenzene	16.595	180	907437	213.25	ug/L		98
89) 2-methylnaphthalene	17.695	142	641866	187.57	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J01001-SCV1
Sequence: 4J01001

SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4091380
Calibration: 4J01002

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Acetone	40.0	40.7	102	70-130
Acrolein	40.0	40.5	101	70-130
Acrylonitrile	40.0	41.4	104	70-130
Benzene	40.0	37.4	94	70-130
Bromobenzene	40.0	36.2	91	70-130
Bromochloromethane	40.0	39.9	100	70-130
Bromodichloromethane	40.0	40.5	101	70-130
Bromoform	40.0	39.5	99	70-130
Bromomethane	40.0	30.5	76	70-130
n-Butylbenzene	40.0	41.4	104	70-130
sec-Butylbenzene	40.0	39.9	100	70-130
tert-Butylbenzene	40.0	39.0	98	70-130
Carbon Disulfide	40.0	41.5	104	70-130
Carbon Tetrachloride	40.0	43.1	108	70-130
Chlorobenzene	40.0	36.7	92	70-130
Chloroethane	40.0	37.6	94	70-130
2-Chloroethyl Vinyl Ether	40.0	40.1	100	70-130
Chloroform	40.0	40.4	101	70-130
1-Chlorohexane	40.0	37.0	93	70-130
Chloromethane	40.0	39.3	98	70-130
2-Chlorotoluene	40.0	38.7	97	70-130
4-Chlorotoluene	40.0	38.0	95	70-130
Cyclohexane	40.0	38.5	96	70-130
1,2-Dibromo-3-chloropropane	40.0	44.2	111	70-130
Dibromochloromethane	40.0	38.0	95	70-130
1,2-Dibromoethane	40.0	40.2	101	70-130
Dibromomethane	40.0	40.0	100	70-130

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J01001-SCV1
Sequence: 4J01001

SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4091380
Calibration: 4J01002

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
trans-1,4-Dichloro-2-butene	40.0	40.7	102	70-130
1,2-Dichlorobenzene	40.0	38.0	95	70-130
1,3-Dichlorobenzene	40.0	38.8	97	70-130
1,4-Dichlorobenzene	40.0	37.8	95	70-130
Dichlorodifluoromethane	40.0	40.2	101	70-130
1,1-Dichloroethane	40.0	38.1	95	70-130
1,2-Dichloroethane	40.0	41.2	103	70-130
1,1-Dichloroethene	40.0	42.0	105	70-130
cis-1,2-Dichloroethene	40.0	40.2	101	70-130
trans-1,2-Dichloroethene	40.0	38.0	95	70-130
1,2-Dichloroethene (Total)	80.0	78.1	98	70-130
Dichlorofluoromethane	40.0	37.2	93	70-130
1,2-Dichloropropane	40.0	40.5	101	70-130
1,3-Dichloropropane	40.0	38.8	97	70-130
2,2-Dichloropropane	40.0	39.6	99	70-130
1,1-Dichloropropene	40.0	40.7	102	70-130
cis-1,3-Dichloropropene	40.0	38.3	96	70-130
trans-1,3-Dichloropropene	40.0	41.1	103	70-130
1,3-Dichloropropene (Total)	80.0	79.4	99	70-130
Ethylbenzene	40.0	38.6	97	70-130
Ethyl Ether	40.0	37.7	94	70-130
Hexachlorobutadiene	40.0	42.6	107	70-130
Hexachloroethane	40.0	39.0	98	70-130
2-Hexanone	40.0	45.2	113	70-130
Iodomethane	40.0	59.6	149 *	70-130
Isopropylbenzene	40.0	37.0	93	70-130
4-Isopropyltoluene	40.0	39.2	98	70-130

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J01001-SCV1
Sequence: 4J01001

SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4091380
Calibration: 4J01002

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Methyl Acetate	40.0	40.1	100	70-130
Methyl tert-Butyl Ether	40.0	39.6	99	70-130
Methylcyclohexane	40.0	38.6	97	70-130
Methylene Chloride	40.0	41.9	105	70-130
2-Butanone (MEK)	40.0	39.3	98	70-130
2-Methylnaphthalene	40.0	42.7	107	70-130
4-Methyl-2-pentanone (MIBK)	40.0	43.6	109	70-130
Naphthalene	40.0	39.9	100	70-130
n-Propylbenzene	40.0	38.8	97	70-130
Styrene	40.0	37.0	93	70-130
1,1,1,2-Tetrachloroethane	40.0	39.4	99	70-130
1,1,2,2-Tetrachloroethane	40.0	40.8	102	70-130
Tetrachloroethene	40.0	39.0	98	70-130
Tetrahydrofuran	40.0	38.6	97	70-130
Toluene	40.0	38.3	96	70-130
1,2,3-Trichlorobenzene	40.0	42.8	107	70-130
1,2,4-Trichlorobenzene	40.0	43.8	110	70-130
1,1,1-Trichloroethane	40.0	40.4	101	70-130
1,1,2-Trichloroethane	40.0	39.8	100	70-130
Trichloroethene	40.0	39.9	100	70-130
Trichlorofluoromethane	40.0	41.1	103	70-130
1,2,3-Trichloropropane	40.0	40.5	101	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	36.1	90	70-130
1,2,4-Trimethylbenzene	40.0	38.9	97	70-130
1,3,5-Trimethylbenzene	40.0	39.2	98	70-130
Vinyl Acetate	40.0	44.5	111	70-130
Vinyl Chloride	40.0	41.7	104	70-130

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J01001-SCV1
Sequence: 4J01001

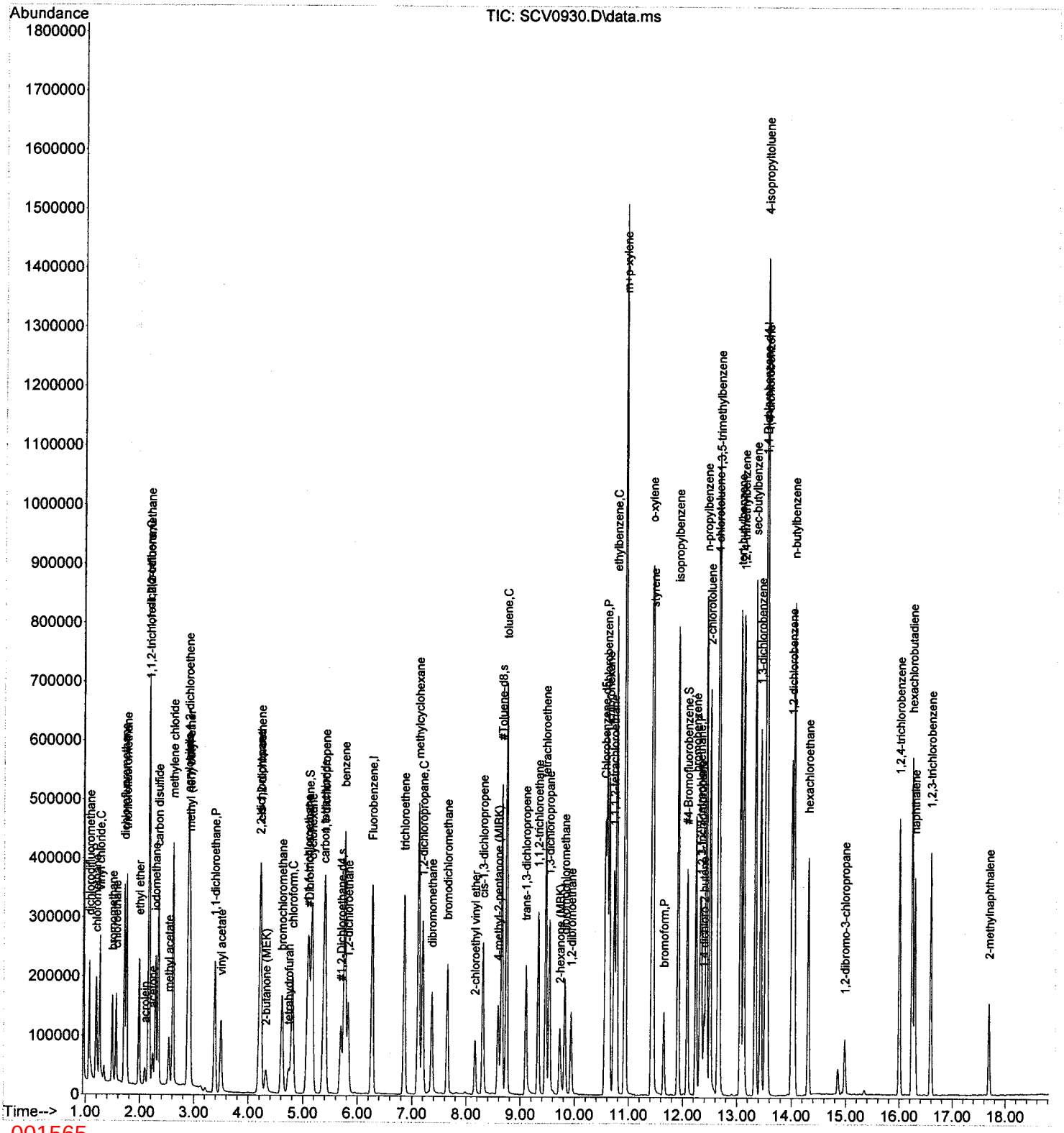
SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4091380
Calibration: 4J01002

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Xylene, Meta + Para	80.0	76.6	96	70-130
Xylene, Ortho	40.0	38.2	96	70-130
Xylene (Total)	120	115	96	70-130
Dibromofluoromethane	40.0	40.9	102	0-200
1,2-Dichloroethane-d4	40.0	40.9	102	0-200
Toluene-d8	40.0	40.2	101	0-200
4-Bromofluorobenzene	40.0	40.9	102	0-200

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : SCV0930.D
Acq On : 30 Sep 2014 12:51
Operator : DLV
Sample : SCV1
Misc :
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 07:19:20 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : SCV0930.D
Acq On : 30 Sep 2014 12:51
Operator : DLV
Sample : SCV1
Misc :
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 07:19:20 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	430656	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	303003	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	152590	40.00	ug/L		0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	110727	40.89	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.23%				
37) #1,2-Dichloroethane-d4	5.696	67	63142	40.88	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.20%				
46) #Toluene-d8	8.654	98	420676	40.23	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.57%				
64) #4-Bromofluorobenzene	12.083	95	155290	40.88	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.20%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.066	85	169143	40.16	ug/L		99
3) chloromethane	1.190	50	200766	39.30	ug/L		99
4) vinyl chloride	1.260	62	199453	41.73	ug/L		100
5) bromomethane	1.490	94	77974	30.54	ug/L		100
6) chloroethane	1.560	64	107978	37.56	ug/L		97
7) dichlorofluoromethane	1.707	67	272207	37.25	ug/L		100
8) trichlorofluoromethane	1.749	101	237335	41.13	ug/L		100
9) ethyl ether	1.984	74	81882	37.71	ug/L		98
10) acrolein	2.090	56	24790	40.50	ug/L	#	96
11) 1,1,2-trichloro-1,2,2-...	2.166	101	131814	36.10	ug/L		98
12) 1,1-dichloroethene	2.160	96	133001	41.95	ug/L		96
13) acetone	2.231	43	65077	40.74	ug/L		96
14) iodomethane	2.284	142	224032	59.57	ug/L		99
15) carbon disulfide	2.337	76	411265	41.51	ug/L		100
16) methyl acetate	2.531	43	114628	40.06	ug/L		100
17) methylene chloride	2.607	49	243877	41.92	ug/L		100
18) acrylonitrile	2.884	53	59898	41.45	ug/L		97
19) trans-1,2-dichloroethene	2.890	96	139782	37.95	ug/L		95
20) methyl (tert) butyl ether	2.919	73	365463	39.56	ug/L		100
21) 1,1-dichloroethane	3.384	63	254004	38.10	ug/L		100
22) vinyl acetate	3.502	43	238515	44.48	ug/L		100
23) 2,2-dichloropropane	4.207	77	155720	39.58	ug/L		99
24) cis-1,2-dichloroethene	4.219	96	152334	40.19	ug/L		97
25) 2-butanone (MEK)	4.319	43	72093	39.33	ug/L		94
26) bromochloromethane	4.613	49	119328	39.88	ug/L		99
27) tetrahydrofuran	4.737	71	17276	38.55	ug/L		97
28) chloroform	4.807	83	247247	40.37	ug/L		100
30) 1,1,1-trichloroethane	5.084	97	195280	40.40	ug/L		99
31) cyclohexane	5.160	56	250044	38.49	ug/L		97
32) carbon tetrachloride	5.384	117	161174	43.09	ug/L		100
33) 1,1-dichloropropene	5.401	75	203685	40.71	ug/L		99
34) benzene	5.760	78	563544	37.44	ug/L		99
35) 1,2-dichloroethane	5.825	62	176910	41.15	ug/L		99
36) heptane	0.000		0	N.D.			
38) trichloroethene	6.854	130	149580	39.91	ug/L		98

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : SCV0930.D
Acq On : 30 Sep 2014 12:51
Operator : DLV
Sample : SCV1
Misc :
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 01 07:19:20 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	261871	38.55	ug/L		97
40)	1,2-dichloropropane	7.195	63	150352	40.49	ug/L		100
41)	dibromomethane	7.366	93	82923	39.96	ug/L		99
42)	bromodichloromethane	7.648	83	171495	40.50	ug/L		99
43)	2-chloroethyl vinyl ether	8.160	63	52775	40.13	ug/L		99
44)	cis-1,3-dichloropropene	8.307	75	187532	38.34	ug/L		99
45)	4-methyl-2-pentanone (...	8.584	43	143760	43.55	ug/L		98
47)	toluene	8.742	91	605895	38.26	ug/L		99
48)	trans-1,3-dichloropropene	9.101	75	154070	41.07	ug/L		100
49)	1,1,2-trichloroethane	9.331	83	102613	39.85	ug/L		98
51)	tetrachloroethene	9.466	166	161161	39.00	ug/L		98
52)	1,3-dichloropropane	9.536	76	209063	38.85	ug/L		99
53)	2-hexanone (MBK)	9.731	43	114346	45.21	ug/L		99
54)	dibromochloromethane	9.825	129	117823	38.01	ug/L		97
55)	1,2-dibromoethane	9.936	109	111182	40.22	ug/L	#	100
56)	chlorobenzene	10.595	112	378452	36.68	ug/L		99
57)	1-chlorohexane	10.636	55	147087	37.02	ug/L		100
58)	1,1,1,2-tetrachloroethane	10.725	131	120487	39.45	ug/L		98
59)	ethylbenzene	10.772	91	679200	38.58	ug/L		100
60)	m+p-xylene	10.931	106	505263	76.64	ug/L		100
61)	o-xylene	11.431	106	239106	38.17	ug/L		100
62)	styrene	11.454	104	397494	37.05	ug/L		98
63)	bromoform	11.654	173	77882	39.48	ug/L		99
66)	isopropylbenzene	11.913	105	617746	36.99	ug/L		100
67)	bromobenzene	12.242	77	250714	36.15	ug/L		98
68)	1,1,2,2-tetrachloroethane	12.319	83	175102	40.85	ug/L	#	99
69)	1,2,3-trichloropropane	12.342	110	47082	40.51	ug/L		96
70)	1,4-dichloro-2-butene	12.389	53	45005	40.69	ug/L		93
71)	n-propylbenzene	12.436	120	178150	38.82	ug/L		99
72)	2-chlorotoluene	12.507	126	155119	38.69	ug/L		98
73)	1,3,5-trimethylbenzene	12.672	105	559669	39.21	ug/L		100
74)	4-chlorotoluene	12.648	91	536071	38.02	ug/L		100
75)	tert-butylbenzene	13.066	119	472277	39.05	ug/L		99
76)	1,2,4-trimethylbenzene	13.125	105	556691	38.90	ug/L		100
77)	sec-butylbenzene	13.342	105	735877	39.89	ug/L		99
78)	1,3-dichlorobenzene	13.436	146	310032	38.81	ug/L		100
79)	4-isopropyltoluene	13.536	119	607361	39.18	ug/L		99
80)	1,4-dichlorobenzene	13.554	146	305862	37.79	ug/L		99
81)	1,2-dichlorobenzene	14.007	146	285674	38.03	ug/L		99
82)	n-butylbenzene	14.048	91	612371	41.44	ug/L		100
83)	hexachloroethane	14.313	201	64656	39.04	ug/L		97
84)	1,2-dibromo-3-chloropr...	14.983	157	31451	44.22	ug/L		97
85)	1,2,4-trichlorobenzene	16.001	180	181920	43.78	ug/L		99
86)	hexachlorobutadiene	16.242	225	129818	42.65	ug/L		99
87)	naphthalene	16.295	128	348464	39.93	ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	153436	42.83	ug/L		99
89)	2-methylnaphthalene	17.695	142	84063	42.74	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J02049-SCV1
Sequence: 4J02049

SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4100079
Calibration: 4J02011

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Acetone	40.0	41.1	103	70-130
Acrolein	40.0	44.8	112	70-130
Acrylonitrile	40.0	39.9	100	70-130
Benzene	40.0	39.0	98	70-130
Bromobenzene	40.0	37.2	93	70-130
Bromochloromethane	40.0	38.9	97	70-130
Bromodichloromethane	40.0	40.8	102	70-130
Bromoform	40.0	40.4	101	70-130
Bromomethane	40.0	42.3	106	70-130
n-Butylbenzene	40.0	38.5	96	70-130
sec-Butylbenzene	40.0	40.9	102	70-130
tert-Butylbenzene	40.0	39.8	100	70-130
Carbon Disulfide	40.0	54.9	137 *	70-130
Carbon Tetrachloride	40.0	38.6	97	70-130
Chlorobenzene	40.0	40.3	101	70-130
Chloroethane	40.0	37.0	93	70-130
2-Chloroethyl Vinyl Ether	40.0	48.9	122	70-130
Chloroform	40.0	39.0	98	70-130
1-Chlorohexane	40.0	40.4	101	70-130
Chloromethane	40.0	39.5	99	70-130
2-Chlorotoluene	40.0	38.5	96	70-130
4-Chlorotoluene	40.0	38.4	96	70-130
Cyclohexane	40.0	37.2	93	70-130
1,2-Dibromo-3-chloropropane	40.0	44.2	111	70-130
Dibromochloromethane	40.0	40.4	101	70-130
1,2-Dibromoethane	40.0	41.8	105	70-130
Dibromomethane	40.0	40.2	101	70-130

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J02049-SCV1
Sequence: 4J02049

SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4100079
Calibration: 4J02011

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
trans-1,4-Dichloro-2-butene	40.0	42.5	106	70-130
1,2-Dichlorobenzene	40.0	40.6	102	70-130
1,3-Dichlorobenzene	40.0	38.8	97	70-130
1,4-Dichlorobenzene	40.0	39.2	98	70-130
Dichlorodifluoromethane	40.0	42.8	107	70-130
1,1-Dichloroethane	40.0	39.6	99	70-130
1,2-Dichloroethane	40.0	39.7	99	70-130
1,1-Dichloroethene	40.0	41.5	104	70-130
cis-1,2-Dichloroethene	40.0	40.1	100	70-130
trans-1,2-Dichloroethene	40.0	40.1	100	70-130
1,2-Dichloroethene (Total)	80.0	80.1	100	70-130
Dichlorofluoromethane	40.0	38.9	97	70-130
1,2-Dichloropropane	40.0	39.8	100	70-130
1,3-Dichloropropane	40.0	39.8	100	70-130
2,2-Dichloropropane	40.0	40.4	101	70-130
1,1-Dichloropropene	40.0	40.8	102	70-130
cis-1,3-Dichloropropene	40.0	39.7	99	70-130
trans-1,3-Dichloropropene	40.0	43.2	108	70-130
1,3-Dichloropropene (Total)	80.0	82.9	104	70-130
Ethylbenzene	40.0	40.8	102	70-130
Ethyl Ether	40.0	36.8	92	70-130
Hexachlorobutadiene	40.0	42.7	107	70-130
Hexachloroethane	40.0	37.8	95	70-130
2-Hexanone	40.0	44.3	111	70-130
Iodomethane	40.0	40.3	101	70-130
Isopropylbenzene	40.0	37.0	93	70-130
4-Isopropyltoluene	40.0	42.8	107	70-130

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J02049-SCV1
Sequence: 4J02049

SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4100079
Calibration: 4J02011

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Methyl Acetate	40.0	40.1	100	70-130
Methyl tert-Butyl Ether	40.0	39.9	100	70-130
Methylcyclohexane	40.0	37.9	95	70-130
Methylene Chloride	40.0	39.2	98	70-130
2-Butanone (MEK)	40.0	43.3	108	70-130
2-Methylnaphthalene	40.0	39.8	100	70-130
4-Methyl-2-pentanone (MIBK)	40.0	47.4	119	70-130
Naphthalene	40.0	40.6	102	70-130
n-Propylbenzene	40.0	39.7	99	70-130
Styrene	40.0	40.0	100	70-130
1,1,1,2-Tetrachloroethane	40.0	40.2	101	70-130
1,1,2,2-Tetrachloroethane	40.0	43.4	109	70-130
Tetrachloroethene	40.0	39.5	99	70-130
Tetrahydrofuran	40.0	41.1	103	70-130
Toluene	40.0	39.0	98	70-130
1,2,3-Trichlorobenzene	40.0	37.2	93	70-130
1,2,4-Trichlorobenzene	40.0	36.9	92	70-130
1,1,1-Trichloroethane	40.0	39.6	99	70-130
1,1,2-Trichloroethane	40.0	39.0	98	70-130
Trichloroethene	40.0	39.8	100	70-130
Trichlorofluoromethane	40.0	39.3	98	70-130
1,2,3-Trichloropropane	40.0	43.2	108	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	35.7	89	70-130
1,2,4-Trimethylbenzene	40.0	42.3	106	70-130
1,3,5-Trimethylbenzene	40.0	39.5	99	70-130
Vinyl Acetate	40.0	49.4	124	70-130
Vinyl Chloride	40.0	42.5	106	70-130

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Laboratory ID: 4J02049-SCV1

Sequence: 4J02049

SDG: 50094-12

Project: Gabreski ANGB, NY

Standard ID: 4100079

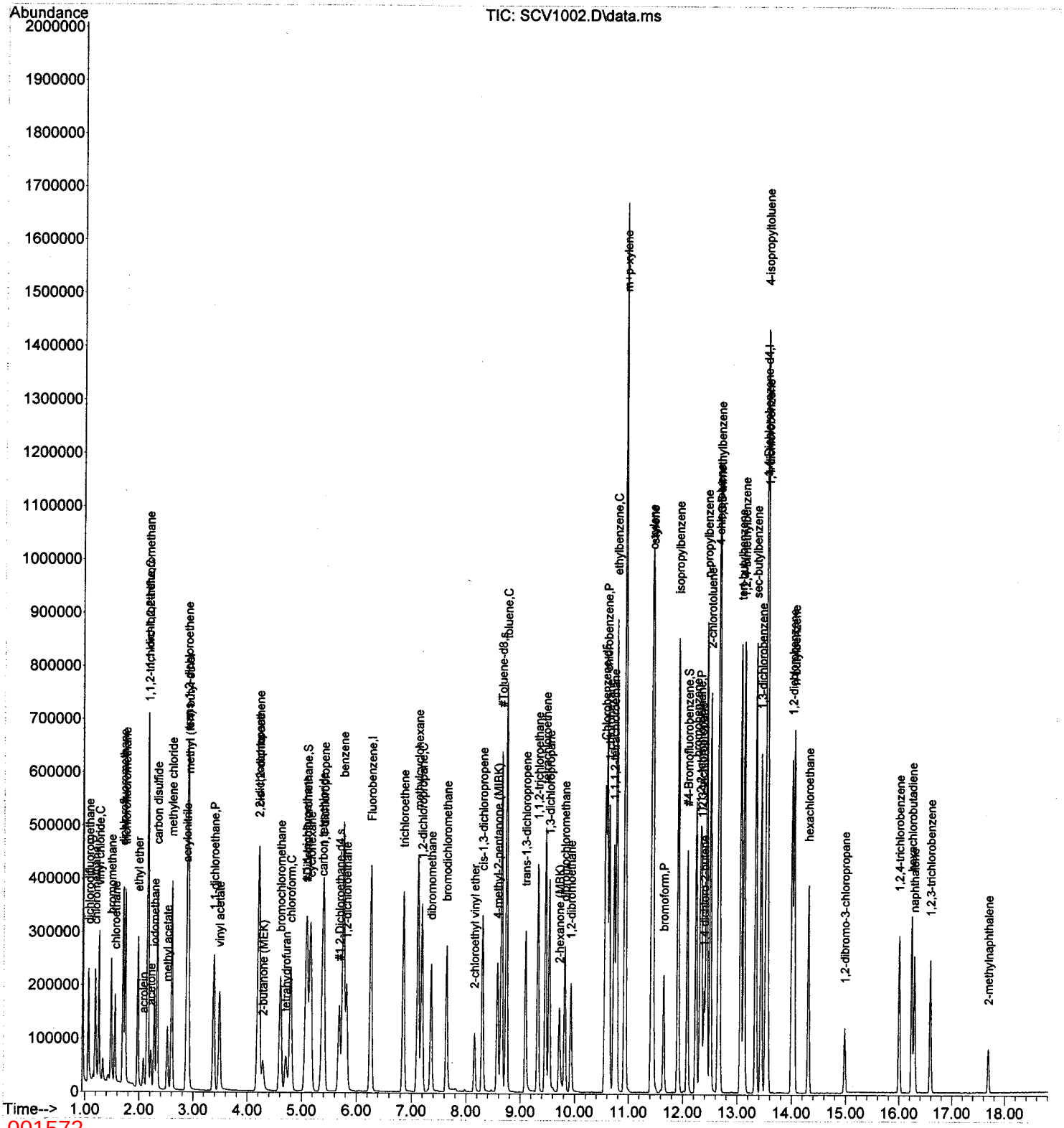
Calibration: 4J02011

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Xylene, Meta + Para	80.0	81.6	102	70-130
Xylene, Ortho	40.0	41.2	103	70-130
Xylene (Total)	120	123	103	70-130
Dibromofluoromethane	40.0	39.7	99	0-200
1,2-Dichloroethane-d4	40.0	40.2	101	0-200
Toluene-d8	40.0	39.7	99	0-200
4-Bromofluorobenzene	40.0	40.4	101	0-200

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : SCV1002.D
Acq On : 02 Oct 2014 12:30
Operator : DLV
Sample : SCV1
Misc :
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 02 12:49:47 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : SCV1002.D
Acq On : 02 Oct 2014 12:30
Operator : DLV
Sample : SCV1
Misc :
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 02 12:49:47 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	528014	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	365802	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	176148	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.096	111	138606	39.66	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.15%			
37) #1,2-Dichloroethane-d4	5.684	67	87211	40.20	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.50%			
46) #Toluene-d8	8.648	98	510945	39.71	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.28%			
64) #4-Bromofluorobenzene	12.084	95	184046	40.38	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.95%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	169873	42.76	ug/L	99
3) chloromethane	1.190	50	232074	39.51	ug/L	98
4) vinyl chloride	1.261	62	223081	42.53	ug/L	98
5) bromomethane	1.484	94	124420	42.26	ug/L	99
6) chloroethane	1.561	64	119780	37.05	ug/L	100
7) dichlorofluoromethane	1.702	67	308934	38.90	ug/L	100
8) trichlorofluoromethane	1.743	101	245465	39.32	ug/L	98
9) ethyl ether	1.978	74	102373	36.83	ug/L	97
10) acrolein	2.078	56	44623	44.83	ug/L	93
11) 1,1,2-trichloro-1,2,2-...	2.160	101	126000	35.69	ug/L	100
12) 1,1-dichloroethene	2.155	96	143410	41.51	ug/L	99
13) acetone	2.213	43	70907	41.06	ug/L	99
14) iodomethane	2.278	142	192130	40.28	ug/L	100
15) carbon disulfide	2.331	76	498305	54.87	ug/L	100
16) methyl acetate	2.519	43	156900	40.13	ug/L	100
17) methylene chloride	2.602	49	223252	39.15	ug/L	99
18) acrylonitrile	2.872	53	91725	39.93	ug/L	98
19) trans-1,2-dichloroethene	2.884	96	154531	40.07	ug/L	98
20) methyl (tert) butyl ether	2.908	73	446276	39.94	ug/L	99
21) 1,1-dichloroethane	3.384	63	297184	39.57	ug/L	100
22) vinyl acetate	3.484	43	357139	49.39	ug/L	98
23) 2,2-dichloropropane	4.202	77	181392	40.39	ug/L	99
24) cis-1,2-dichloroethene	4.213	96	177372	40.07	ug/L	99
25) 2-butanone (MEK)	4.290	43	97690	43.28	ug/L	100
26) bromochloromethane	4.607	49	153499	38.94	ug/L	99
27) tetrahydrofuran	4.707	71	25765	41.10	ug/L	97
28) chloroform	4.796	83	287683	39.05	ug/L	99
30) 1,1,1-trichloroethane	5.078	97	222905	39.62	ug/L	98
31) cyclohexane	5.160	56	247838	37.16	ug/L	99
32) carbon tetrachloride	5.378	117	172287	38.57	ug/L	98
33) 1,1-dichloropropene	5.402	75	215615	40.83	ug/L	99
34) benzene	5.754	78	649125	39.03	ug/L	100
35) 1,2-dichloroethane	5.813	62	229267	39.70	ug/L	99
36) heptane	6.260	57	18755	No Calib		
38) trichloroethene	6.854	130	160468	39.78	ug/L	98

001573

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : SCV1002.D
Acq On : 02 Oct 2014 12:30
Operator : DLV
Sample : SCV1
Misc :
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 02 12:49:47 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	236453	37.92	ug/L		98
40) 1,2-dichloropropane	7.190	63	181580	39.78	ug/L		100
41) dibromomethane	7.360	93	114757	40.21	ug/L		99
42) bromodichloromethane	7.643	83	219914	40.80	ug/L		98
43) 2-chloroethyl vinyl ether	8.154	63	61340	48.86	ug/L		97
44) cis-1,3-dichloropropene	8.301	75	236244	39.73	ug/L		99
45) 4-methyl-2-pentanone (...	8.578	43	214893	47.35	ug/L		98
47) toluene	8.742	91	684480	38.98	ug/L		99
48) trans-1,3-dichloropropene	9.101	75	207420	43.19	ug/L		100
49) 1,1,2-trichloroethane	9.325	83	143492	38.95	ug/L		99
51) tetrachloroethene	9.466	166	169656	39.51	ug/L		99
52) 1,3-dichloropropane	9.537	76	283133	39.82	ug/L		99
53) 2-hexanone (MBK)	9.719	43	149661	44.29	ug/L		99
54) dibromochloromethane	9.819	129	171245	40.39	ug/L		98
55) 1,2-dibromoethane	9.931	109	157389	41.83	ug/L	#	100
56) chlorobenzene	10.595	112	428715	40.33	ug/L		99
57) 1-chlorohexane	10.637	55	148806	40.44	ug/L		98
58) 1,1,1,2-tetrachloroethane	10.725	131	146196	40.17	ug/L		98
59) ethylbenzene	10.772	91	754470	40.81	ug/L		98
60) m+p-xylene	10.931	106	555918	81.62	ug/L		100
61) o-xylene	11.425	106	276279	41.17	ug/L		99
62) styrene	11.448	104	454188	39.99	ug/L		99
63) bromoform	11.654	173	119264	40.35	ug/L		98
66) isopropylbenzene	11.913	105	668834	36.97	ug/L		99
67) bromobenzene	12.242	77	295962	37.25	ug/L		98
68) 1,1,2,2-tetrachloroethane	12.313	83	257793	43.41	ug/L	#	100
69) 1,2,3-trichloropropane	12.342	110	70318	43.22	ug/L		99
70) 1,4-dichloro-2-butene	12.389	53	59018	42.54	ug/L		97
71) n-propylbenzene	12.431	120	187195	39.73	ug/L		100
72) 2-chlorotoluene	12.507	126	171662	38.53	ug/L		96
73) 1,3,5-trimethylbenzene	12.672	105	585829	39.49	ug/L		99
74) 4-chlorotoluene	12.648	91	575911	38.37	ug/L		100
75) tert-butylbenzene	13.066	119	492098	39.78	ug/L		100
76) 1,2,4-trimethylbenzene	13.125	105	588618	42.27	ug/L		100
77) sec-butylbenzene	13.342	105	729023	40.93	ug/L		100
78) 1,3-dichlorobenzene	13.436	146	316068	38.80	ug/L		99
79) 4-isopropyltoluene	13.536	119	590032	42.77	ug/L		99
80) 1,4-dichlorobenzene	13.554	146	321958	39.16	ug/L		100
81) 1,2-dichlorobenzene	14.007	146	315936	40.56	ug/L		99
82) n-butylbenzene	14.048	91	488852	38.53	ug/L		100
83) hexachloroethane	14.313	201	69155	37.75	ug/L		96
84) 1,2-dibromo-3-chloropr...	14.983	157	39131	44.15	ug/L		94
85) 1,2,4-trichlorobenzene	16.001	180	107027	36.88	ug/L		99
86) hexachlorobutadiene	16.242	225	74692	42.69	ug/L		98
87) naphthalene	16.289	128	233979	40.60	ug/L		99
88) 1,2,3-trichlorobenzene	16.595	180	90661	37.24	ug/L		99
89) 2-methylnaphthalene	17.695	142	46056	39.80	ug/L		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J08047-SCV1
Sequence: 4J08047

SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4100366
Calibration: 4J08013

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Acetone	40.0	36.5	91	70-130
Acrolein	40.0	39.2	98	70-130
Acrylonitrile	40.0	37.8	95	70-130
Benzene	40.0	37.7	94	70-130
Bromobenzene	40.0	37.5	94	70-130
Bromochloromethane	40.0	36.9	92	70-130
Bromodichloromethane	40.0	39.7	99	70-130
Bromoform	40.0	42.5	106	70-130
Bromomethane	40.0	37.2	93	70-130
n-Butylbenzene	40.0	40.8	102	70-130
sec-Butylbenzene	40.0	39.4	99	70-130
tert-Butylbenzene	40.0	37.5	94	70-130
Carbon Disulfide	40.0	51.4	129	70-130
Carbon Tetrachloride	40.0	42.0	105	70-130
Chlorobenzene	40.0	38.2	96	70-130
Chloroethane	40.0	36.8	92	70-130
2-Chloroethyl Vinyl Ether	40.0	42.8	107	70-130
Chloroform	40.0	37.3	93	70-130
1-Chlorohexane	40.0	36.6	92	70-130
Chloromethane	40.0	37.6	94	70-130
2-Chlorotoluene	40.0	39.4	99	70-130
4-Chlorotoluene	40.0	39.0	98	70-130
Cyclohexane	40.0	36.5	91	70-130
1,2-Dibromo-3-chloropropane	40.0	47.7	119	70-130
Dibromochloromethane	40.0	41.7	104	70-130
1,2-Dibromoethane	40.0	41.3	103	70-130
Dibromomethane	40.0	38.8	97	70-130

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J08047-SCV1
Sequence: 4J08047

SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4100366
Calibration: 4J08013

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
trans-1,4-Dichloro-2-butene	40.0	42.0	105	70-130
1,2-Dichlorobenzene	40.0	38.0	95	70-130
1,3-Dichlorobenzene	40.0	37.8	95	70-130
1,4-Dichlorobenzene	40.0	37.9	95	70-130
Dichlorodifluoromethane	40.0	41.4	104	70-130
1,1-Dichloroethane	40.0	38.5	96	70-130
1,2-Dichloroethane	40.0	38.6	97	70-130
1,1-Dichloroethene	40.0	39.5	99	70-130
cis-1,2-Dichloroethene	40.0	37.8	95	70-130
trans-1,2-Dichloroethene	40.0	37.3	93	70-130
1,2-Dichloroethene (Total)	80.0	75.1	94	70-130
Dichlorofluoromethane	40.0	37.2	93	70-130
1,2-Dichloropropane	40.0	39.0	98	70-130
1,3-Dichloropropane	40.0	38.3	96	70-130
2,2-Dichloropropane	40.0	38.4	96	70-130
1,1-Dichloropropene	40.0	38.5	96	70-130
cis-1,3-Dichloropropene	40.0	39.2	98	70-130
trans-1,3-Dichloropropene	40.0	42.4	106	70-130
1,3-Dichloropropene (Total)	80.0	81.5	102	70-130
Ethylbenzene	40.0	38.1	95	70-130
Ethyl Ether	40.0	34.9	87	70-130
Hexachlorobutadiene	40.0	42.2	106	70-130
Hexachloroethane	40.0	40.0	100	70-130
2-Hexanone	40.0	42.8	107	70-130
Iodomethane	40.0	38.4	96	70-130
Isopropylbenzene	40.0	37.0	93	70-130
4-Isopropyltoluene	40.0	39.1	98	70-130

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J08047-SCV1
Sequence: 4J08047

SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4100366
Calibration: 4J08013

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Methyl Acetate	40.0	37.7	94	70-130
Methyl tert-Butyl Ether	40.0	37.9	95	70-130
Methylcyclohexane	40.0	37.3	93	70-130
Methylene Chloride	40.0	44.8	112	70-130
2-Butanone (MEK)	40.0	40.5	101	70-130
2-Methylnaphthalene	40.0	37.2	93	70-130
4-Methyl-2-pentanone (MIBK)	40.0	43.1	108	70-130
Naphthalene	40.0	40.0	100	70-130
n-Propylbenzene	40.0	39.0	98	70-130
Styrene	40.0	38.6	97	70-130
1,1,1,2-Tetrachloroethane	40.0	39.8	100	70-130
1,1,2,2-Tetrachloroethane	40.0	39.3	98	70-130
Tetrachloroethene	40.0	37.5	94	70-130
Tetrahydrofuran	40.0	38.2	96	70-130
Toluene	40.0	37.2	93	70-130
1,2,3-Trichlorobenzene	40.0	38.6	97	70-130
1,2,4-Trichlorobenzene	40.0	39.1	98	70-130
1,1,1-Trichloroethane	40.0	38.3	96	70-130
1,1,2-Trichloroethane	40.0	37.5	94	70-130
Trichloroethene	40.0	38.2	96	70-130
Trichlorofluoromethane	40.0	39.0	98	70-130
1,2,3-Trichloropropane	40.0	40.6	102	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	35.7	89	70-130
1,2,4-Trimethylbenzene	40.0	38.4	96	70-130
1,3,5-Trimethylbenzene	40.0	38.3	96	70-130
Vinyl Acetate	40.0	46.2	116	70-130
Vinyl Chloride	40.0	38.8	97	70-130

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J08047-SCV1
Sequence: 4J08047

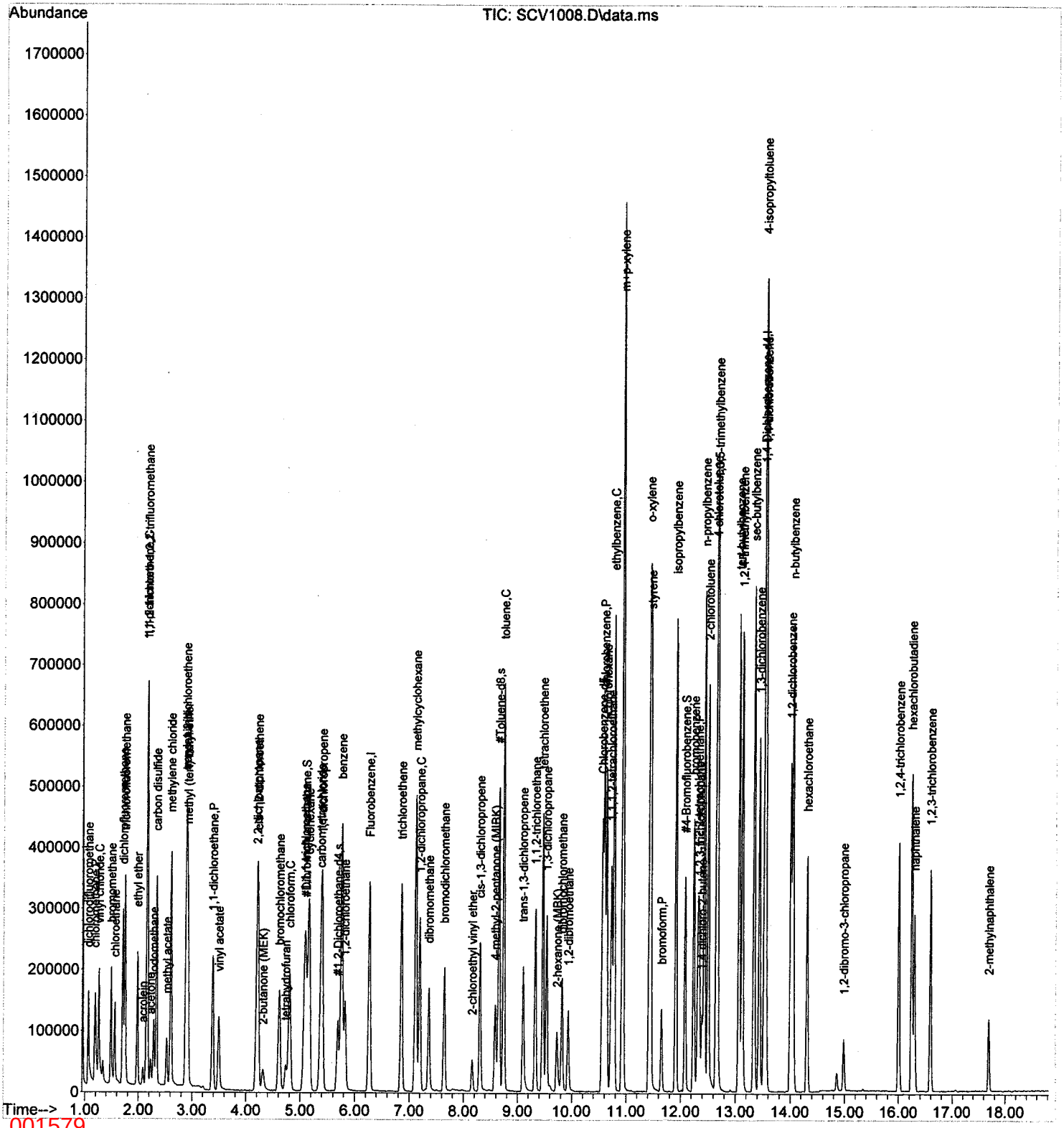
SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4100366
Calibration: 4J08013

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
Xylene, Meta + Para	80.0	77.0	96	70-130
Xylene, Ortho	40.0	38.8	97	70-130
Xylene (Total)	120	116	97	70-130
Dibromofluoromethane	40.0	40.4	101	0-200
1,2-Dichloroethane-d4	40.0	39.6	99	0-200
Toluene-d8	40.0	39.9	100	0-200
4-Bromofluorobenzene	40.0	40.0	100	0-200

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : SCV1008.D
Acq On : 08 Oct 2014 13:08
Operator : DLV
Sample : SCV
Misc :
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 08 13:27:15 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : SCV1008.D
Acq On : 08 Oct 2014 13:08
Operator : DLV
Sample : SCV
Misc :
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 08 13:27:15 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	422330	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	288060	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	141735	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	105899	40.39	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.97%		
37) #1,2-Dichloroethane-d4	5.689	67	61008	39.63	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.08%		
46) #Toluene-d8	8.654	98	407239	39.88	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.70%		
64) #4-Bromofluorobenzene	12.083	95	142647	40.01	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.02%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.060	85	161634	41.41	ug/L	100
3) chloromethane	1.184	50	203400	37.58	ug/L	99
4) vinyl chloride	1.260	62	191192	38.85	ug/L	98
5) bromomethane	1.490	94	112991	37.24	ug/L	100
6) chloroethane	1.560	64	102767	36.77	ug/L	98
7) dichlorofluoromethane	1.707	67	265032	37.16	ug/L	99
8) trichlorofluoromethane	1.743	101	230473	39.02	ug/L	99
9) ethyl ether	1.978	74	78142	34.87	ug/L	97
10) acrolein	2.084	56	24056	39.16	ug/L #	98
11) 1,1,2-trichloro-1,2,2-...	2.160	101	129465	35.71	ug/L	99
12) 1,1-dichloroethene	2.154	96	130958	39.49	ug/L	98
13) acetone	2.225	43	46745	36.47	ug/L #	89
14) iodomethane	2.284	142	120275	38.38	ug/L	98
15) carbon disulfide	2.337	76	435282	51.38	ug/L	100
16) methyl acetate	2.531	43	109450	37.67	ug/L	99
17) methylene chloride	2.601	49	239011	44.85	ug/L	97
18) acrylonitrile	2.884	53	55946	37.77	ug/L	99
19) trans-1,2-dichloroethene	2.884	96	139803	37.33	ug/L	97
20) methyl (tert) butyl ether	2.913	73	347727	37.94	ug/L	99
21) 1,1-dichloroethane	3.384	63	253658	38.47	ug/L	100
22) vinyl acetate	3.495	43	235563	46.19	ug/L	99
23) 2,2-dichloropropane	4.201	77	149240	38.45	ug/L	98
24) cis-1,2-dichloroethene	4.219	96	148431	37.77	ug/L	98
25) 2-butanone (MEK)	4.313	43	67167	40.49	ug/L	98
26) bromochloromethane	4.613	49	117352	36.88	ug/L	100
27) tetrahydrofuran	4.731	71	17710	38.22	ug/L	95
28) chloroform	4.801	83	238410	37.34	ug/L	100
30) 1,1,1-trichloroethane	5.084	97	188891	38.33	ug/L	97
31) cyclohexane	5.160	56	245026	36.53	ug/L	100
32) carbon tetrachloride	5.378	117	159858	42.03	ug/L	99
33) 1,1-dichloropropene	5.401	75	198189	38.48	ug/L	99
34) benzene	5.760	78	553700	37.73	ug/L	96
35) 1,2-dichloroethane	5.819	62	169122	38.62	ug/L	98
36) heptane	0.000		0	N.D.		
38) trichloroethene	6.854	130	148846	38.18	ug/L	98

001580

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : SCV1008.D
Acq On : 08 Oct 2014 13:08
Operator : DLV
Sample : SCV
Misc :
ALS Vial : 12 Sample Multiplier: 1
Quant Time: Oct 08 13:27:15 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	254235	37.28	ug/L		98
40) 1,2-dichloropropane	7.195	63	146739	39.04	ug/L		99
41) dibromomethane	7.366	93	80804	38.84	ug/L		98
42) bromodichloromethane	7.648	83	162878	39.72	ug/L		98
43) 2-chloroethyl vinyl ether	8.160	63	28767	42.76	ug/L		97
44) cis-1,3-dichloropropene	8.301	75	179532	39.18	ug/L		98
45) 4-methyl-2-pentanone (...	8.583	43	138950	43.06	ug/L		98
47) toluene	8.742	91	589026	37.24	ug/L		100
48) trans-1,3-dichloropropene	9.101	75	146244	42.36	ug/L		98
49) 1,1,2-trichloroethane	9.330	83	102207	37.46	ug/L		99
51) tetrachloroethene	9.466	166	158001	37.52	ug/L		98
52) 1,3-dichloropropane	9.536	76	204762	38.32	ug/L		99
53) 2-hexanone (MBK)	9.730	43	98597	42.77	ug/L		96
54) dibromochloromethane	9.825	129	116534	41.67	ug/L		97
55) 1,2-dibromoethane	9.936	109	107311	41.28	ug/L	#	100
56) chlorobenzene	10.595	112	370922	38.25	ug/L		100
57) 1-chlorohexane	10.636	55	142849	36.56	ug/L		95
58) 1,1,1,2-tetrachloroethane	10.724	131	114174	39.84	ug/L		99
59) ethylbenzene	10.772	91	660173	38.08	ug/L		99
60) m+p-xylene	10.930	106	491813	77.05	ug/L		98
61) o-xylene	11.430	106	234781	38.83	ug/L		98
62) styrene	11.454	104	391637	38.60	ug/L		99
63) bromoform	11.654	173	77183	42.54	ug/L		94
66) isopropylbenzene	11.913	105	606350	36.96	ug/L		99
67) bromobenzene	12.242	77	242210	37.54	ug/L		100
68) 1,1,2,2-tetrachloroethane	12.319	83	166680	39.33	ug/L	#	99
69) 1,2,3-trichloropropane	12.342	110	45698	40.63	ug/L		96
70) 1,4-dichloro-2-butene	12.389	53	39283	42.04	ug/L		98
71) n-propylbenzene	12.436	120	172169	39.05	ug/L		100
72) 2-chlorotoluene	12.507	126	152330	39.39	ug/L		100
73) 1,3,5-trimethylbenzene	12.671	105	540609	38.29	ug/L		99
74) 4-chlorotoluene	12.648	91	520700	38.96	ug/L		99
75) tert-butylbenzene	13.066	119	454067	37.46	ug/L		99
76) 1,2,4-trimethylbenzene	13.124	105	525049	38.36	ug/L		99
77) sec-butylbenzene	13.342	105	710059	39.43	ug/L		99
78) 1,3-dichlorobenzene	13.436	146	291373	37.76	ug/L		99
79) 4-isopropyltoluene	13.536	119	586243	39.12	ug/L		99
80) 1,4-dichlorobenzene	13.554	146	292440	37.86	ug/L		98
81) 1,2-dichlorobenzene	14.007	146	268106	38.02	ug/L		99
82) n-butylbenzene	14.048	91	572620	40.76	ug/L		99
83) hexachloroethane	14.313	201	65497	40.04	ug/L		97
84) 1,2-dibromo-3-chloropr...	14.983	157	29003	47.72	ug/L		99
85) 1,2,4-trichlorobenzene	16.007	180	158798	39.13	ug/L		99
86) hexachlorobutadiene	16.242	225	122253	42.21	ug/L		99
87) naphthalene	16.295	128	277068	40.04	ug/L		100
88) 1,2,3-trichlorobenzene	16.595	180	134366	38.55	ug/L		99
89) 2-methylnaphthalene	17.695	142	64810	37.20	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001581

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J01003-CCV1
Injection Date: 09/30/14
Calibration Date: 09/30/14 00:00
Sequence: 4J01003

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: CCV0930A.D
Injection Time: 14:15
Calibration: 4J01002
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	20.0	18.3	0.1993202	0.1885782	0.1	-8.6	20
Acrolein	A	20.0	21.6	5.685128E-02	6.129175E-02	0.1	7.8	20
Acrylonitrile	A	20.0	20.4	0.1342109	0.1368196	0.1	1.9	20
Benzene	A	20.0	18.9	1.397975	1.323679	0.5	-5.3	20
Bromobenzene	A	20.0	18.6	1.818006	1.687088	0.1	-7.2	20
Bromochloromethane	L	20.0	20.3	0.3148856	0.2784432	0.1	1.4	20
Bromodichloromethane	A	20.0	20.4	0.4073793	0.385785	0.2	-5.3	20
Bromoform	A	20.0	18.4	0.2604077	0.240034	0.1	-7.8	20
Bromomethane	A	20.0	16.8	0.2371571	0.1988271	0.1	-16.2	20
n-Butylbenzene	A	20.0	20.3	3.873656	3.931279	0.1	1.5	20
sec-Butylbenzene	A	20.0	20.2	4.835612	4.879241	0.1	0.9	20
tert-Butylbenzene	A	20.0	20.0	3.170761	3.176173	0.1	0.2	20
Carbon Disulfide	A	20.0	18.9	0.9201808	0.87081	0.1	-5.4	20
Carbon Tetrachloride	A	20.0	21.1	0.3474397	0.3669996	0.1	5.6	20
Chlorobenzene	A	20.0	18.7	1.362159	1.271793	0.5	-6.6	20
Chloroethane	A	20.0	20.2	0.2670212	0.2691603	0.1	0.8	20
2-Chloroethyl Vinyl Ether	A	20.0	17.7	0.1221433	0.1078643	0.1	-11.7	20
Chloroform	L	20.0	20.6	0.6191939	0.5805195	0.2	3.2	20
1-Chlorohexane	A	20.0	19.1	0.5244879	0.5000515	0.1	-4.7	20
Chloromethane	A	20.0	18.7	0.4744331	0.4432564	0.1	-6.6	20
2-Chlorotoluene	A	20.0	19.7	1.050952	1.034663	0.1	-1.5	20
4-Chlorotoluene	A	20.0	19.6	3.695681	3.623671	0.1	-1.9	20
Cyclohexane	A	20.0	20.0	0.6033988	0.6021064	0.1	-0.2	20
1,2-Dibromo-3-chloropropane	A	20.0	20.3	0.1864502	0.1891581	0.05	1.5	20
Dibromochloromethane	L	20.0	20.2	0.4147872	0.3868588	0.1	1.0	20
1,2-Dibromoethane	L	20.0	20.1	0.391846	0.3516237	0.1	0.7	20
Dibromomethane	L	20.0	19.8	0.2111095	0.187173	0.1	-1.2	20
trans-1,4-Dichloro-2-butene	L	20.0	19.6	0.3190328	0.2681066	0.1	-2.1	20
1,2-Dichlorobenzene	A	20.0	18.7	1.96931	1.845512	0.4	-6.3	20

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J01003-CCV1
Lab File ID: CCV0930A.D
Injection Date: 09/30/14
Injection Time: 14:15
Calibration Date: 09/30/14 00:00
Calibration: 4J01002
Sequence: 4J01003
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3-Dichlorobenzene	A	20.0	19.6	2.093928	2.056638	0.6	-1.8	20
1,4-Dichlorobenzene	A	20.0	19.5	2.121941	2.070735	0.5	-2.4	20
Dichlorodifluoromethane	A	20.0	18.8	0.3911895	0.3669425	0.1	-6.2	20
1,1-Dichloroethane	A	20.0	19.4	0.6192455	0.6001304	0.1	-3.1	20
1,2-Dichloroethane	L	20.0	19.9	0.4478977	0.3916032	0.2	-0.6	20
1,1-Dichloroethene	A	20.0	20.1	0.2945105	0.2961263	0.1	0.5	20
cis-1,2-Dichloroethene	L	20.0	20.3	0.3780029	0.3499663	0.1	1.5	20
trans-1,2-Dichloroethene	A	20.0	18.9	0.3420873	0.3226665	0.1	-5.7	20
1,2-Dichloroethene (Total)	A	40.0	39.2	0.3600451	0.3363164	0.1	-6.6	20
Dichlorofluoromethane	A	20.0	19.4	0.6788271	0.6573735	0.1	-3.2	20
1,2-Dichloropropane	L	20.0	19.9	0.3745599	0.3411006	0.1	-0.4	20
1,3-Dichloropropane	L	20.0	19.7	0.7732522	0.6867596	0.1	-1.6	20
2,2-Dichloropropane	A	20.0	19.6	0.3654328	0.3576508	0.1	-2.1	20
1,1-Dichloropropene	A	20.0	19.9	0.4646627	0.4629639	0.1	-0.4	20
cis-1,3-Dichloropropene	A	20.0	18.2	0.4543066	0.4131858	0.2	-9.1	20
trans-1,3-Dichloropropene	A	20.0	17.4	0.3484401	0.3026209	0.2	-13.1	20
1,3-Dichloropropene (Total)	A	40.0	35.6	0.4013733	0.3579033	0.1	-10.8	20
Ethylbenzene	A	20.0	19.6	2.324007	2.276911	0.1	-2.0	20
Ethyl Ether	L	20.0	19.3	0.2404766	0.1938563	0.1	-3.7	20
Hexachlorobutadiene	A	20.0	19.4	0.7979108	0.7746912	0.1	-2.9	20
Hexachloroethane	A	20.0	20.1	0.4341445	0.435981	0.1	0.4	20
2-Hexanone	A	20.0	18.6	0.3338849	0.3108583	0.1	-6.9	20
Iodomethane	A	20.0	24.4	0.3493155	0.4269564	0.1	22.2	20 *
Isopropylbenzene	A	20.0	20.1	4.377898	4.40859	0.1	0.7	20
4-Isopropyltoluene	A	20.0	20.2	4.0639	4.094336	0.1	0.7	20
Methyl Acetate	A	20.0	20.3	0.2657624	0.2700385	0.1	1.6	20
Methyl tert-Butyl Ether	A	20.0	19.8	0.8580893	0.8481165	0.1	-1.2	20
Methylcyclohexane	A	20.0	19.9	0.6309048	0.6278693	0.1	-0.5	20
Methylene Chloride	L	20.0	23.5	0.7323573	0.7252344	0.1	17.3	20

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J01003-CCV1
Lab File ID: CCV0930A.D
Injection Date: 09/30/14
Injection Time: 14:15
Calibration Date: 09/30/14 00:00
Calibration: 4J01002
Sequence: 4J01003
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Butanone (MEK)	L	20.0	18.8	0.1883032	0.1749041	0.1	-5.8	20
2-Methylnaphthalene	Q	20.0	18.7	0.5660745	0.4104457	0.1	-6.4	20
4-Methyl-2-pentanone (MIBK)	A	20.0	18.7	0.3065943	0.286782	0.1	-6.5	20
Naphthalene	L	20.0	16.6	1.896058	1.632885	0.1	-17.0	20
n-Propylbenzene	A	20.0	19.8	1.202979	1.189481	0.1	-1.1	20
Styrene	A	20.0	19.0	1.416193	1.34301	0.3	-5.2	20
1,1,1,2-Tetrachloroethane	A	20.0	19.6	0.4032012	0.3960072	0.1	-1.8	20
1,1,2,2-Tetrachloroethane	L	20.0	20.1	1.281007	1.111388	0.3	0.4	20
Tetrachloroethene	A	20.0	20.3	0.545473	0.552637	0.2	1.3	20
Tetrahydrofuran	A	20.0	20.2	4.162491E-02	4.204531E-02	0.1	1.0	20
Toluene	A	20.0	19.1	1.470773	1.403786	0.4	-4.6	20
1,2,3-Trichlorobenzene	A	20.0	17.8	0.9391382	0.8338697	0.1	-11.2	20
1,2,4-Trichlorobenzene	A	20.0	18.6	1.089212	1.010023	0.2	-7.3	20
1,1,1-Trichloroethane	A	20.0	20.1	0.4489371	0.4520519	0.1	0.7	20
1,1,2-Trichloroethane	L	20.0	19.7	0.2647191	0.2300878	0.1	-1.6	20
Trichloroethene	A	20.0	20.1	0.3481213	0.3492681	0.2	0.3	20
Trichlorofluoromethane	L	20.0	20.7	0.6362193	0.5505543	0.1	3.4	20
1,2,3-Trichloropropane	L	20.0	20.2	0.3313668	0.2993939	0.1	0.9	20
1,1,2-Trichloro-1,2,2-trifluoroethane	A	20.0	19.9	0.3391756	0.3378731	0.1	-0.4	20
1,2,4-Trimethylbenzene	A	20.0	19.6	3.751896	3.671438	0.1	-2.1	20
1,3,5-Trimethylbenzene	A	20.0	20.2	3.741841	3.780568	0.1	1.0	20
Vinyl Acetate	A	20.0	19.6	0.498043	0.4881823	0.1	-2.0	20
Vinyl Chloride	A	20.0	20.4	0.4439509	0.4538786	0.1	2.2	20
Xylene, Meta + Para	A	40.0	38.2	0.8702763	0.8312378	0.1	-4.5	20
Xylene, Ortho	A	20.0	19.0	0.827043	0.7846235	0.3	-5.1	20
Xylene (Total)	A	60.0	57.2	0.8558651	0.8156997	0.1	-4.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : CCV0930A.D
Acq On : 30 Sep 2014 14:15
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 01 07:19:16 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	101	0.00
2		dichlorodifluoromethane	0.391	0.367	6.1	96	0.00
3	P	chloromethane	0.474	0.443	6.5	88	0.00
4	C	vinyl chloride	0.444	0.454	-2.3	97	0.00
5		bromomethane	0.237	0.199	16.0	81	0.00
6		chloroethane	0.267	0.269	-0.7	95	0.00
7		dichlorofluoromethane	0.679	0.657	3.2	100	0.00
8		trichlorofluoromethane	0.636	0.551	13.4	98	0.00
9		ethyl ether	0.240	0.194	19.2	96	0.00
10		acrolein	0.057	0.061	-7.0	111	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.339	0.338	0.3	100	0.00
12	C	1,1-dichloroethene	0.295	0.296	-0.3	103	0.00
13		acetone	0.199	0.189	5.0	97	0.00
14		iodomethane	0.349	0.427	-22.3	132	0.00
15		carbon disulfide	0.920	0.871	5.3	108	0.00
16		methyl acetate	0.266	0.270	-1.5	108	0.00
17		methylene chloride	0.732	0.725	1.0	107	0.00
18		acrylonitrile	0.134	0.137	-2.2	102	0.00
19		trans-1,2-dichloroethene	0.342	0.323	5.6	99	0.00
20		methyl (tert) butyl ether	0.858	0.848	1.2	97	0.00
21	P	1,1-dichloroethane	0.619	0.600	3.1	102	0.00
22		vinyl acetate	0.498	0.488	2.0	101	0.00
23		2,2-dichloropropane	0.365	0.358	1.9	103	0.00
24		cis-1,2-dichloroethene	0.378	0.350	7.4	98	0.00
25		2-butanone (MEK)	0.188	0.175	6.9	103	0.00
26		bromochloromethane	0.315	0.278	11.7	101	0.00
27		tetrahydrofuran	0.042	0.042	0.0	96	0.00
28	C	chloroform	0.619	0.581	6.1	102	0.00
29	S	#Dibromofluoromethane	0.252	0.254	-0.8	104	0.00
30		1,1,1-trichloroethane	0.449	0.452	-0.7	100	0.00
31		cyclohexane	0.603	0.602	0.2	100	0.00
32		carbon tetrachloride	0.347	0.367	-5.8	106	0.00
33		1,1-dichloropropene	0.465	0.463	0.4	100	0.00
34		benzene	1.398	1.324	5.3	99	0.00
35		1,2-dichloroethane	0.448	0.392	12.5	97	0.00
36		heptane	0.000	0.000	0.0	0#	-5.95#
37	s	#1,2-Dichloroethane-d4	0.143	0.150	-4.9	105	0.00
38		trichloroethene	0.348	0.349	-0.3	104	0.00
39		methylcyclohexane	0.631	0.628	0.5	100	0.00
40	C	1,2-dichloropropane	0.375	0.341	9.1	97	0.00
41		dibromomethane	0.211	0.187	11.4	97	0.00
42		bromodichloromethane	0.407	0.386	5.2	103	0.00
43		2-chloroethyl vinyl ether	0.122	0.108	11.5	107	0.00
44		cis-1,3-dichloropropene	0.454	0.413	9.0	100	0.00
45		4-methyl-2-pentanone (MIBK)	0.307	0.287	6.5	98	0.00
46	s	#Toluene-d8	0.971	0.965	0.6	100	0.00
47	C	toluene	1.471	1.404	4.6	99	0.00

001585

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : CCV0930A.D
Acq On : 30 Sep 2014 14:15
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 01 07:19:16 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

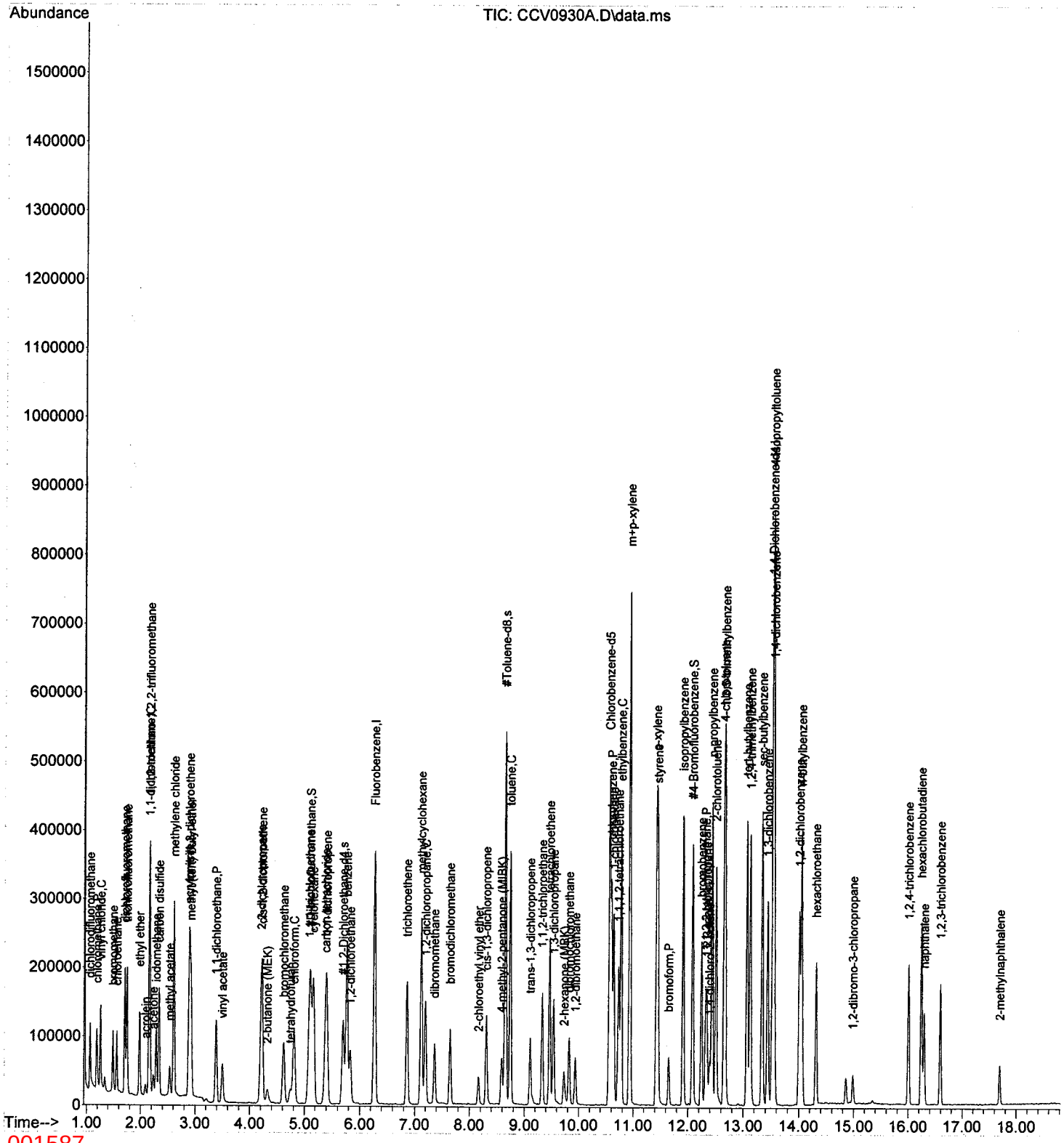
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		trans-1,3-dichloropropene	0.348	0.303	12.9	94	0.00
49		1,1,2-trichloroethane	0.265	0.230	13.2	98	0.00
50		Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
51		tetrachloroethene	0.545	0.553	-1.5	103	0.00
52		1,3-dichloropropane	0.773	0.687	11.1	95	0.00
53		2-hexanone (MBK)	0.334	0.311	6.9	98	0.00
54		dibromochloromethane	0.415	0.387	6.7	103	0.00
55		1,2-dibromoethane	0.392	0.352	10.2	97	0.00
56	P	chlorobenzene	1.362	1.272	6.6	99	0.00
57		1-chlorohexane	0.524	0.500	4.6	97	0.00
58		1,1,1,2-tetrachloroethane	0.403	0.396	1.7	104	0.00
59	C	ethylbenzene	2.324	2.277	2.0	98	0.00
60		m+p-xylene	0.870	0.831	4.5	97	0.00
61		o-xylene	0.827	0.785	5.1	95	0.00
62		styrene	1.416	1.343	5.2	96	0.00
63	P	bromoform	0.260	0.240	7.7	95	0.00
64	S	#4-Bromofluorobenzene	0.501	0.505	-0.8	100	0.00
65	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
66		isopropylbenzene	4.378	4.409	-0.7	98	0.00
67		bromobenzene	1.818	1.687	7.2	96	0.00
68	P	1,1,2,2-tetrachloroethane	1.281	1.111	13.3	92	0.00
69		1,2,3-trichloropropane	0.331	0.299	9.7	97	0.00
70		1,4-dichloro-2-butene	0.319	0.268	16.0	97	0.00
71		n-propylbenzene	1.203	1.189	1.2	97	0.00
72		2-chlorotoluene	1.051	1.035	1.5	97	0.00
73		1,3,5-trimethylbenzene	3.742	3.781	-1.0	96	0.00
74		4-chlorotoluene	3.696	3.624	1.9	96	0.00
75		tert-butylbenzene	3.171	3.176	-0.2	97	0.00
76		1,2,4-trimethylbenzene	3.752	3.671	2.2	97	0.00
77		sec-butylbenzene	4.836	4.879	-0.9	95	0.00
78		1,3-dichlorobenzene	2.094	2.057	1.8	98	0.00
79		4-isopropyltoluene	4.064	4.094	-0.7	97	0.00
80		1,4-dichlorobenzene	2.122	2.071	2.4	97	0.00
81		1,2-dichlorobenzene	1.969	1.846	6.2	94	0.00
82		n-butylbenzene	3.874	3.931	-1.5	96	0.00
83		hexachloroethane	0.434	0.436	-0.5	97	0.00
84		1,2-dibromo-3-chloropropane	0.186	0.189	-1.6	99	0.00
85		1,2,4-trichlorobenzene	1.089	1.010	7.3	91	0.00
86		hexachlorobutadiene	0.798	0.775	2.9	92	0.00
87		naphthalene	1.896	1.633	13.9	89	0.00
88		1,2,3-trichlorobenzene	0.939	0.834	11.2	93	0.00
89		2-methylnaphthalene	0.566	0.410	27.6#	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

901586

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : CCV0930A.D
Acq On : 30 Sep 2014 14:15
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 01 07:19:16 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : CCV0930A.D
Acq On : 30 Sep 2014 14:15
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 01 07:19:16 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	455461	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	310656	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	151947	40.00	ug/L		0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	115768	40.42	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.05%				
37) #1,2-Dichloroethane-d4	5.695	67	68158	41.72	ug/L		0.00
Spiked Amount 40.000			Recovery = 104.30%				
46) #Toluene-d8	8.654	98	439362	39.73	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.33%				
64) #4-Bromofluorobenzene	12.083	95	156864	40.28	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.70%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.060	85	83564	18.76	ug/L		97
3) chloromethane	1.190	50	100943	18.69	ug/L		98
4) vinyl chloride	1.260	62	103362	20.45	ug/L		99
5) bromomethane	1.490	94	45279	16.77	ug/L		99
6) chloroethane	1.560	64	61296	20.16	ug/L		99
7) dichlorofluoromethane	1.707	67	149704	19.37	ug/L		99
8) trichlorofluoromethane	1.749	101	125378	20.68	ug/L		100
9) ethyl ether	1.978	74	44147	19.26	ug/L		95
10) acrolein	2.090	56	13958	21.56	ug/L	#	96
11) 1,1,2-trichloro-1,2,2-...	2.160	101	76944	19.92	ug/L		99
12) 1,1-dichloroethene	2.154	96	67437	20.11	ug/L		97
13) acetone	2.231	43	42945	18.29	ug/L		97
14) iodomethane	2.284	142	97231	24.45	ug/L		98
15) carbon disulfide	2.337	76	198310	18.93	ug/L		99
16) methyl acetate	2.531	43	61496	20.32	ug/L		100
17) methylene chloride	2.607	49	165158	23.46	ug/L		99
18) acrylonitrile	2.884	53	31158	20.39	ug/L		98
19) trans-1,2-dichloroethene	2.890	96	73481	18.86	ug/L		98
20) methyl (tert) butyl ether	2.919	73	193142	19.77	ug/L		99
21) 1,1-dichloroethane	3.384	63	136668	19.38	ug/L		100
22) vinyl acetate	3.501	43	111174	19.60	ug/L		99
23) 2,2-dichloropropane	4.207	77	81448	19.57	ug/L		99
24) cis-1,2-dichloroethene	4.225	96	79698	20.30	ug/L		99
25) 2-butanone (MEK)	4.319	43	39831	18.83	ug/L		98
26) bromochloromethane	4.619	49	63410	20.27	ug/L		97
27) tetrahydrofuran	4.742	71	9575	20.20	ug/L		97
28) chloroform	4.807	83	132202	20.65	ug/L		100
30) 1,1,1-trichloroethane	5.090	97	102946	20.14	ug/L		99
31) cyclohexane	5.160	56	137118	19.96	ug/L		100
32) carbon tetrachloride	5.384	117	83577	21.13	ug/L		96
33) 1,1-dichloropropene	5.407	75	105431	19.93	ug/L		99
34) benzene	5.766	78	301442	18.94	ug/L		97
35) 1,2-dichloroethane	5.825	62	89180	19.87	ug/L		98
36) heptane	0.000		0	N.D.			
38) trichloroethene	6.860	130	79539	20.07	ug/L		99

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : CCV0930A.D
Acq On : 30 Sep 2014 14:15
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 01 07:19:16 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	142985	19.90	ug/L		98
40) 1,2-dichloropropane	7.201	63	77679	19.92	ug/L		99
41) dibromomethane	7.366	93	42625	19.75	ug/L		100
42) bromodichloromethane	7.648	83	87855	20.42	ug/L		99
43) 2-chloroethyl vinyl ether	8.166	63	24564	17.66	ug/L		98
44) cis-1,3-dichloropropene	8.307	75	94095	18.19	ug/L		98
45) 4-methyl-2-pentanone (...	8.589	43	65309	18.71	ug/L		98
47) toluene	8.742	91	319685	19.09	ug/L		99
48) trans-1,3-dichloropropene	9.107	75	68916	17.37	ug/L		97
49) 1,1,2-trichloroethane	9.330	83	52398	19.69	ug/L		96
51) tetrachloroethene	9.472	166	85840	20.26	ug/L		98
52) 1,3-dichloropropane	9.542	76	106673	19.67	ug/L		100
53) 2-hexanone (MBK)	9.730	43	48285	18.62	ug/L		99
54) dibromochloromethane	9.825	129	60090	20.20	ug/L		100
55) 1,2-dibromoethane	9.936	109	54617	20.14	ug/L	#	100
56) chlorobenzene	10.601	112	197545	18.67	ug/L		100
57) 1-chlorohexane	10.642	55	77672	19.07	ug/L		99
58) 1,1,1,2-tetrachloroethane	10.730	131	61511	19.64	ug/L		97
59) ethylbenzene	10.777	91	353668	19.59	ug/L		99
60) m+p-xylene	10.936	106	258229	38.21	ug/L		99
61) o-xylene	11.430	106	121874	18.97	ug/L		98
62) styrene	11.454	104	208607	18.97	ug/L		98
63) bromoform	11.654	173	37284	18.44	ug/L		98
66) isopropylbenzene	11.913	105	334936	20.14	ug/L		99
67) bromobenzene	12.242	77	128174	18.56	ug/L		98
68) 1,1,2,2-tetrachloroethane	12.319	83	84436	20.08	ug/L	#	98
69) 1,2,3-trichloropropane	12.342	110	22746	20.18	ug/L		98
70) 1,4-dichloro-2-butene	12.389	53	20369	19.58	ug/L		93
71) n-propylbenzene	12.436	120	90369	19.78	ug/L		99
72) 2-chlorotoluene	12.507	126	78607	19.69	ug/L		99
73) 1,3,5-trimethylbenzene	12.671	105	287223	20.21	ug/L		99
74) 4-chlorotoluene	12.654	91	275303	19.61	ug/L		99
75) tert-butylbenzene	13.066	119	241305	20.03	ug/L		99
76) 1,2,4-trimethylbenzene	13.130	105	278932	19.57	ug/L		100
77) sec-butylbenzene	13.342	105	370693	20.18	ug/L		99
78) 1,3-dichlorobenzene	13.436	146	156250	19.64	ug/L		99
79) 4-isopropyltoluene	13.536	119	311061	20.15	ug/L		100
80) 1,4-dichlorobenzene	13.554	146	157321	19.52	ug/L		99
81) 1,2-dichlorobenzene	14.007	146	140210	18.74	ug/L		99
82) n-butylbenzene	14.048	91	298673	20.30	ug/L		100
83) hexachloroethane	14.313	201	33123	20.08	ug/L		95
84) 1,2-dibromo-3-chloropr...	14.983	157	14371	20.29	ug/L		98
85) 1,2,4-trichlorobenzene	16.007	180	76735	18.55	ug/L		99
86) hexachlorobutadiene	16.242	225	58856	19.42	ug/L		95
87) naphthalene	16.295	128	124056	16.61	ug/L		99
88) 1,2,3-trichlorobenzene	16.595	180	63352	17.76	ug/L		96
89) 2-methylnaphthalene	17.695	142	31183	18.72	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J01040-CCV1
Lab File ID: CCV1001.D
Injection Date: 10/01/14
Injection Time: 09:12
Calibration Date: 09/30/14 00:00
Calibration: 4J01002
Sequence: 4J01040
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	20.0	6.37	0.1993202	0.1282203	0.1	-68.2	20 *
Acrolein	A	20.0	20.3	5.685128E-02	5.771858E-02	0.1	1.5	20
Acrylonitrile	A	20.0	18.9	0.1342109	0.126994	0.1	-5.4	20
Benzene	A	20.0	19.4	1.397975	1.359832	0.5	-2.7	20
Bromobenzene	A	20.0	18.9	1.818006	1.718678	0.1	-5.5	20
Bromochloromethane	L	20.0	20.5	0.3148856	0.2819372	0.1	2.6	20
Bromodichloromethane	A	20.0	20.6	0.4073793	0.3895884	0.2	-4.4	20
Bromoform	A	20.0	19.2	0.2604077	0.2501916	0.1	-3.9	20
Bromomethane	A	20.0	19.3	0.2371571	0.2286834	0.1	-3.6	20
n-Butylbenzene	A	20.0	20.6	3.873656	3.99692	0.1	3.2	20
sec-Butylbenzene	A	20.0	20.5	4.835612	4.952317	0.1	2.4	20
tert-Butylbenzene	A	20.0	19.9	3.170761	3.149426	0.1	-0.7	20
Carbon Disulfide	A	20.0	18.1	0.9201808	0.8347961	0.1	-9.3	20
Carbon Tetrachloride	A	20.0	21.7	0.3474397	0.377617	0.1	8.7	20
Chlorobenzene	A	20.0	18.9	1.362159	1.288574	0.5	-5.4	20
Chloroethane	A	20.0	19.4	0.2670212	0.2591859	0.1	-2.9	20
2-Chloroethyl Vinyl Ether	A	20.0	15.2	0.1221433	9.258104E-02	0.1	-24.2	20 *
Chloroform	L	20.0	21.0	0.6191939	0.5889521	0.2	4.8	20
1-Chlorohexane	A	20.0	20.2	0.5244879	0.5304759	0.1	1.1	20
Chloromethane	A	20.0	19.5	0.4744331	0.4626171	0.1	-2.5	20
2-Chlorotoluene	A	20.0	20.0	1.050952	1.051622	0.1	0.06	20
4-Chlorotoluene	A	20.0	20.1	3.695681	3.706833	0.1	0.3	20
Cyclohexane	A	20.0	20.3	0.6033988	0.613052	0.1	1.6	20
1,2-Dibromo-3-chloropropane	A	20.0	19.5	0.1864502	0.1816443	0.05	-2.6	20
Dibromochloromethane	L	20.0	20.5	0.4147872	0.3942829	0.1	2.7	20
1,2-Dibromoethane	L	20.0	20.1	0.391846	0.3501143	0.1	0.3	20
Dibromomethane	L	20.0	19.8	0.2111095	0.1871871	0.1	-1.2	20
trans-1,4-Dichloro-2-butene	L	20.0	20.5	0.3190328	0.2827204	0.1	2.7	20
1,2-Dichlorobenzene	A	20.0	19.2	1.96931	1.888016	0.4	-4.1	20

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J01040-CCV1
Lab File ID: CCV1001.D
Injection Date: 10/01/14
Injection Time: 09:12
Calibration Date: 09/30/14 00:00
Calibration: 4J01002
Sequence: 4J01040
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3-Dichlorobenzene	A	20.0	20.0	2.093928	2.08941	0.6	-0.2	20
1,4-Dichlorobenzene	A	20.0	19.9	2.121941	2.108596	0.5	-0.6	20
Dichlorodifluoromethane	A	20.0	18.5	0.3911895	0.3616522	0.1	-7.6	20
1,1-Dichloroethane	A	20.0	19.8	0.6192455	0.6116991	0.1	-1.2	20
1,2-Dichloroethane	L	20.0	20.6	0.4478977	0.4056187	0.2	2.8	20
1,1-Dichloroethene	A	20.0	19.8	0.2945105	0.2915563	0.1	-1.0	20
cis-1,2-Dichloroethene	L	20.0	20.7	0.3780029	0.3575409	0.1	3.6	20
trans-1,2-Dichloroethene	A	20.0	18.8	0.3420873	0.3218755	0.1	-5.9	20
1,2-Dichloroethene (Total)	A	40.0	39.5	0.3600451	0.3397082	0.1	-5.6	20
Dichlorofluoromethane	A	20.0	19.7	0.6788271	0.6700941	0.1	-1.3	20
1,2-Dichloropropane	L	20.0	20.1	0.3745599	0.3438587	0.1	0.4	20
1,3-Dichloropropane	L	20.0	20.5	0.7732522	0.7164976	0.1	2.4	20
2,2-Dichloropropane	A	20.0	20.1	0.3654328	0.3667672	0.1	0.4	20
1,1-Dichloropropene	A	20.0	20.0	0.4646627	0.4654583	0.1	0.2	20
cis-1,3-Dichloropropene	A	20.0	18.4	0.4543066	0.4181182	0.2	-8.0	20
trans-1,3-Dichloropropene	A	20.0	18.1	0.3484401	0.3151107	0.2	-9.6	20
1,3-Dichloropropene (Total)	A	40.0	36.5	0.4013733	0.3666144	0.1	-8.7	20
Ethylbenzene	A	20.0	20.2	2.324007	2.350127	0.1	1.1	20
Ethyl Ether	L	20.0	20.4	0.2404766	0.2049413	0.1	1.8	20
Hexachlorobutadiene	A	20.0	20.4	0.7979108	0.812356	0.1	1.8	20
Hexachloroethane	A	20.0	20.0	0.4341445	0.4343217	0.1	0.04	20
2-Hexanone	A	20.0	17.9	0.3338849	0.2986425	0.1	-10.6	20
Iodomethane	A	20.0	19.8	0.3493155	0.3451505	0.1	-1.2	20
Isopropylbenzene	A	20.0	20.3	4.377898	4.44274	0.1	1.5	20
4-Isopropyltoluene	A	20.0	20.0	4.0639	4.056955	0.1	-0.2	20
Methyl Acetate	A	20.0	19.1	0.2657624	0.253905	0.1	-4.5	20
Methyl tert-Butyl Ether	A	20.0	20.3	0.8580893	0.8718408	0.1	1.6	20
Methylcyclohexane	A	20.0	19.9	0.6309048	0.6290867	0.1	-0.3	20
Methylene Chloride	L	20.0	34.7	0.7323573	0.9733556	0.1	73.5	20 *

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J01040-CCV1
Lab File ID: CCV1001.D
Injection Date: 10/01/14
Injection Time: 09:12
Calibration Date: 09/30/14 00:00
Calibration: 4J01002
Sequence: 4J01040
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Butanone (MEK)	L	20.0	14.4	0.1883032	0.1403489	0.1	-28.0	20 *
2-Methylnaphthalene	Q	20.0	19.0	0.5660745	0.4181003	0.1	-4.8	20
4-Methyl-2-pentanone (MIBK)	A	20.0	19.1	0.3065943	0.2928089	0.1	-4.5	20
Naphthalene	L	20.0	16.9	1.896058	1.665766	0.1	-15.6	20
n-Propylbenzene	A	20.0	19.8	1.202979	1.188055	0.1	-1.2	20
Styrene	A	20.0	19.8	1.416193	1.40003	0.3	-1.1	20
1,1,1,2-Tetrachloroethane	A	20.0	19.4	0.4032012	0.3912426	0.1	-3.0	20
1,1,2,2-Tetrachloroethane	L	20.0	19.9	1.281007	1.101314	0.3	-0.5	20
Tetrachloroethene	A	20.0	20.6	0.545473	0.5619916	0.2	3.0	20
Tetrahydrofuran	A	20.0	19.0	4.162491E-02	3.956287E-02	0.1	-5.0	20
Toluene	A	20.0	19.2	1.470773	1.41021	0.4	-4.1	20
1,2,3-Trichlorobenzene	A	20.0	19.3	0.9391382	0.9077212	0.1	-3.3	20
1,2,4-Trichlorobenzene	A	20.0	19.4	1.089212	1.054561	0.2	-3.2	20
1,1,1-Trichloroethane	A	20.0	19.7	0.4489371	0.4416813	0.1	-1.6	20
1,1,2-Trichloroethane	L	20.0	20.4	0.2647191	0.2383243	0.1	1.8	20
Trichloroethene	A	20.0	20.0	0.3481213	0.3481183	0.2	-0.0009	20
Trichlorofluoromethane	L	20.0	21.1	0.6362193	0.5623513	0.1	5.6	20
1,2,3-Trichloropropane	L	20.0	19.6	0.3313668	0.2904077	0.1	-2.0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	A	20.0	20.3	0.3391756	0.344653	0.1	1.6	20
1,2,4-Trimethylbenzene	A	20.0	19.6	3.751896	3.677021	0.1	-2.0	20
1,3,5-Trimethylbenzene	A	20.0	20.4	3.741841	3.81978	0.1	2.1	20
Vinyl Acetate	A	20.0	18.6	0.498043	0.4637519	0.1	-6.9	20
Vinyl Chloride	A	20.0	20.3	0.4439509	0.4509338	0.1	1.6	20
Xylene, Meta + Para	A	40.0	39.3	0.8702763	0.8552198	0.1	-1.7	20
Xylene, Ortho	A	20.0	19.8	0.827043	0.8189301	0.3	-1.0	20
Xylene (Total)	A	60.0	59.1	0.8558651	0.8431232	0.1	-1.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : CCV1001.D
Acq On : 01 Oct 2014 09:12
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 01 12:03:42 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	101	0.00
2		dichlorodifluoromethane	0.391	0.362	7.4	95	0.00
3	P	chloromethane	0.474	0.463	2.3	92	0.00
4	C	vinyl chloride	0.444	0.451	-1.6	97	0.00
5		bromomethane	0.237	0.229	3.4	94	0.00
6		chloroethane	0.267	0.259	3.0	92	0.00
7		dichlorofluoromethane	0.679	0.670	1.3	103	0.00
8		trichlorofluoromethane	0.636	0.562	11.6	101	0.00
9		ethyl ether	0.240	0.205	14.6	103	0.00
10		acrolein	0.057	0.058	-1.8	106	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.339	0.345	-1.8	103	0.00
12	C	1,1-dichloroethene	0.295	0.292	1.0	102	0.00
13		acetone	0.199	0.128	35.7#	66	0.00
14		iodomethane	0.349	0.345	1.1	107	0.00
15		carbon disulfide	0.920	0.835	9.2	104	0.00
16		methyl acetate	0.266	0.254	4.5	102	0.00
17		methylene chloride	0.732	0.973	-32.9#	145	0.00
18		acrylonitrile	0.134	0.127	5.2	95	0.00
19		trans-1,2-dichloroethene	0.342	0.322	5.8	100	0.00
20		methyl (tert) butyl ether	0.858	0.872	-1.6	101	0.00
21	P	1,1-dichloroethane	0.619	0.612	1.1	105	0.00
22		vinyl acetate	0.498	0.464	6.8	97	0.00
23		2,2-dichloropropane	0.365	0.367	-0.5	106	0.00
24		cis-1,2-dichloroethene	0.378	0.358	5.3	101	0.00
25		2-butanone (MEK)	0.188	0.140	25.5#	83	0.00
26		bromochloromethane	0.315	0.282	10.5	103	0.00
27		tetrahydrofuran	0.042	0.040	4.8	91	0.00
28	C	chloroform	0.619	0.589	4.8	104	0.00
29	S	#Dibromofluoromethane	0.252	0.256	-1.6	105	0.01
30		1,1,1-trichloroethane	0.449	0.442	1.6	99	0.00
31		cyclohexane	0.603	0.613	-1.7	102	0.00
32		carbon tetrachloride	0.347	0.378	-8.9	110	0.00
33		1,1-dichloropropene	0.465	0.465	0.0	102	0.00
34		benzene	1.398	1.360	2.7	102	0.00
35		1,2-dichloroethane	0.448	0.406	9.4	101	0.00
36		heptane	0.000	0.000	0.0	0#	-5.95#
37	s	#1,2-Dichloroethane-d4	0.143	0.142	0.7	100	0.00
38		trichloroethene	0.348	0.348	0.0	104	0.00
39		methylcyclohexane	0.631	0.629	0.3	101	0.00
40	C	1,2-dichloropropane	0.375	0.344	8.3	98	0.00
41		dibromomethane	0.211	0.187	11.4	98	0.00
42		bromodichloromethane	0.407	0.390	4.2	105	0.00
43		2-chloroethyl vinyl ether	0.122	0.093	23.8	92	0.00
44		cis-1,3-dichloropropene	0.454	0.418	7.9	102	0.00
45		4-methyl-2-pentanone (MIBK)	0.307	0.293	4.6	100	0.00
46	s	#Toluene-d8	0.971	0.959	1.2	100	0.00
47	C	toluene	1.471	1.410	4.1	101	0.00

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : CCV1001.D
Acq On : 01 Oct 2014 09:12
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 01 12:03:42 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

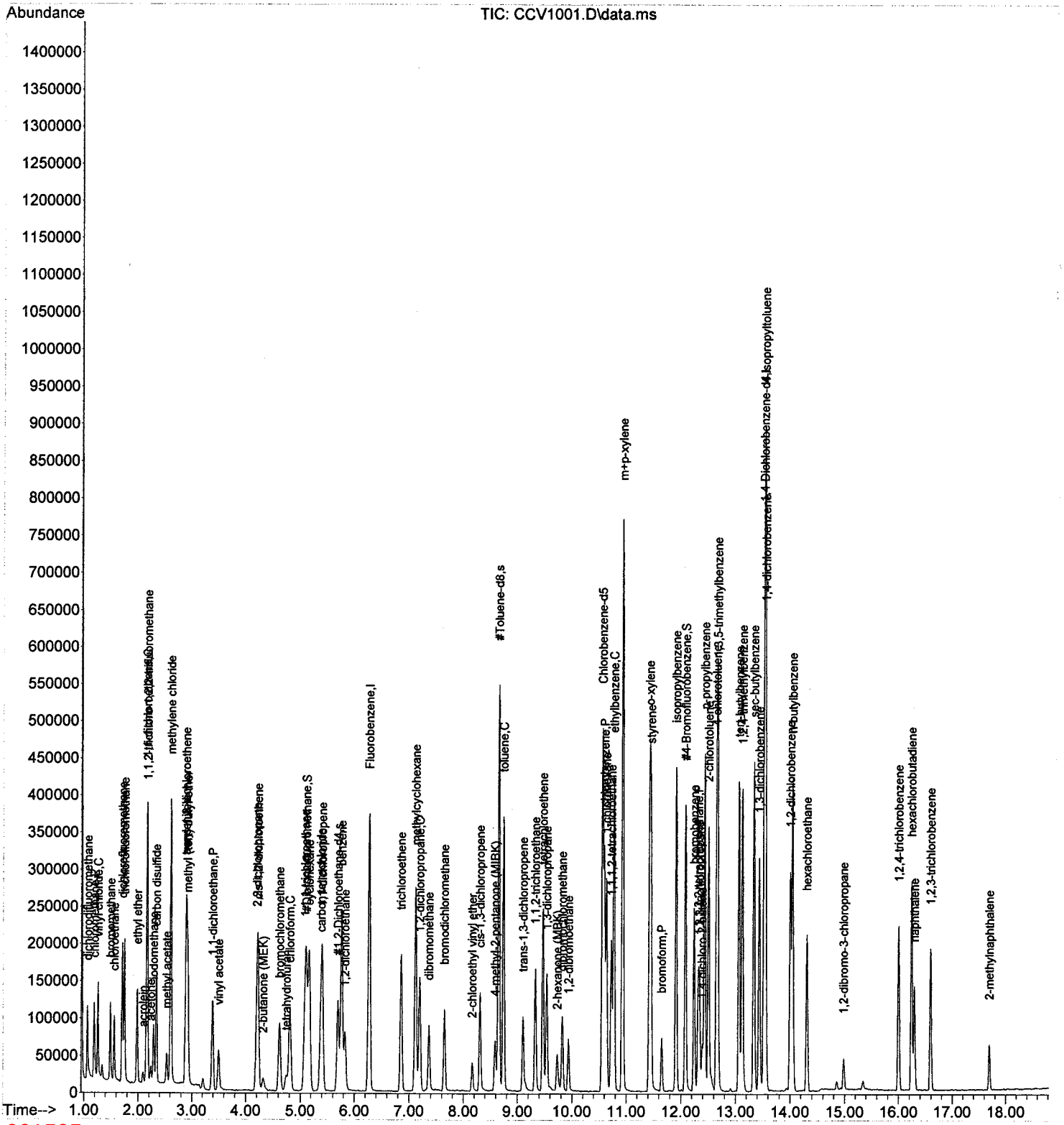
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		trans-1,3-dichloropropene	0.348	0.315	9.5	99	0.00
49		1,1,2-trichloroethane	0.265	0.238	10.2	102	0.00
50		Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
51		tetrachloroethene	0.545	0.562	-3.1	104	0.00
52		1,3-dichloropropane	0.773	0.716	7.4	99	0.00
53		2-hexanone (MBK)	0.334	0.299	10.5	94	0.00
54		dibromochloromethane	0.415	0.394	5.1	105	0.00
55		1,2-dibromoethane	0.392	0.350	10.7	96	0.00
56	P	chlorobenzene	1.362	1.289	5.4	99	0.00
57		1-chlorohexane	0.524	0.530	-1.1	102	0.00
58		1,1,1,2-tetrachloroethane	0.403	0.391	3.0	102	0.00
59	C	ethylbenzene	2.324	2.350	-1.1	101	0.00
60		m+p-xylene	0.870	0.855	1.7	99	0.00
61		o-xylene	0.827	0.819	1.0	99	0.00
62		styrene	1.416	1.400	1.1	100	0.00
63	P	bromoform	0.260	0.250	3.8	99	0.00
64	S	#4-Bromofluorobenzene	0.501	0.515	-2.8	101	0.00
65	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
66		isopropylbenzene	4.378	4.443	-1.5	101	0.00
67		bromobenzene	1.818	1.719	5.4	101	0.00
68	P	1,1,2,2-tetrachloroethane	1.281	1.101	14.1	93	0.00
69		1,2,3-trichloropropane	0.331	0.290	12.4	97	0.00
70		1,4-dichloro-2-butene	0.319	0.283	11.3	105	0.00
71		n-propylbenzene	1.203	1.188	1.2	99	0.00
72		2-chlorotoluene	1.051	1.052	-0.1	101	0.00
73		1,3,5-trimethylbenzene	3.742	3.820	-2.1	99	0.00
74		4-chlorotoluene	3.696	3.707	-0.3	101	0.00
75		tert-butylbenzene	3.171	3.149	0.7	99	0.00
76		1,2,4-trimethylbenzene	3.752	3.677	2.0	99	0.00
77		sec-butylbenzene	4.836	4.952	-2.4	99	0.00
78		1,3-dichlorobenzene	2.094	2.089	0.2	102	0.00
79		4-isopropyltoluene	4.064	4.057	0.2	99	0.00
80		1,4-dichlorobenzene	2.122	2.109	0.6	101	0.00
81		1,2-dichlorobenzene	1.969	1.888	4.1	98	0.00
82		n-butylbenzene	3.874	3.997	-3.2	101	0.00
83		hexachloroethane	0.434	0.434	0.0	99	0.00
84		1,2-dibromo-3-chloropropane	0.186	0.182	2.2	97	0.00
85		1,2,4-trichlorobenzene	1.089	1.055	3.1	98	0.00
86		hexachlorobutadiene	0.798	0.812	-1.8	99	0.00
87		naphthalene	1.896	1.666	12.1	93	0.00
88		1,2,3-trichlorobenzene	0.939	0.908	3.3	104	0.00
89		2-methylnaphthalene	0.566	0.418	26.1#	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : CCV1001.D
Acq On : 01 Oct 2014 09:12
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 01 12:03:42 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : CCV1001.D
Acq On : 01 Oct 2014 09:12
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 01 12:03:42 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	458258	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	309179	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	155843	40.00	ug/L		0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.113	111	117241	40.68	ug/L		0.01
Spiked Amount 40.000			Recovery = 101.70%				
37) #1,2-Dichloroethane-d4	5.695	67	65242	39.69	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.22%				
46) #Toluene-d8	8.654	98	439500	39.50	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.75%				
64) #4-Bromofluorobenzene	12.083	95	159123	41.05	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.62%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.066	85	82865	18.49	ug/L		100
3) chloromethane	1.190	50	105999	19.50	ug/L		99
4) vinyl chloride	1.260	62	103322	20.31	ug/L		98
5) bromomethane	1.490	94	52398	19.29	ug/L		98
6) chloroethane	1.560	64	59387	19.41	ug/L		98
7) dichlorofluoromethane	1.707	67	153538	19.74	ug/L		99
8) trichlorofluoromethane	1.749	101	128851	21.12	ug/L		98
9) ethyl ether	1.984	74	46958	20.35	ug/L		99
10) acrolein	2.090	56	13225	20.31	ug/L	#	98
11) 1,1,2-trichloro-1,2,2-...	2.166	101	78970	20.32	ug/L		99
12) 1,1-dichloroethene	2.160	96	66804	19.80	ug/L		98
13) acetone	2.231	43	29379	6.37	ug/L		95
14) iodomethane	2.284	142	79084	19.76	ug/L		99
15) carbon disulfide	2.337	76	191276	18.14	ug/L		98
16) methyl acetate	2.531	43	58177	19.11	ug/L		99
17) methylene chloride	2.607	49	223024	34.70	ug/L		99
18) acrylonitrile	2.890	53	29098	18.92	ug/L		89
19) trans-1,2-dichloroethene	2.890	96	73751	18.82	ug/L		94
20) methyl (tert) butyl ether	2.919	73	199764	20.32	ug/L		98
21) 1,1-dichloroethane	3.390	63	140158	19.76	ug/L		99
22) vinyl acetate	3.501	43	106259	18.62	ug/L		98
23) 2,2-dichloropropane	4.207	77	84037	20.07	ug/L		100
24) cis-1,2-dichloroethene	4.225	96	81923	20.72	ug/L		98
25) 2-butanone (MEK)	4.319	43	32158	14.39	ug/L		96
26) bromochloromethane	4.619	49	64600	20.52	ug/L		98
27) tetrahydrofuran	4.742	71	9065	19.01	ug/L		97
28) chloroform	4.807	83	134946	20.95	ug/L		98
30) 1,1,1-trichloroethane	5.090	97	101202	19.68	ug/L		97
31) cyclohexane	5.166	56	140468	20.32	ug/L		99
32) carbon tetrachloride	5.384	117	86523	21.74	ug/L		99
33) 1,1-dichloropropene	5.407	75	106650	20.03	ug/L		98
34) benzene	5.766	78	311577	19.45	ug/L		99
35) 1,2-dichloroethane	5.825	62	92939	20.56	ug/L		98
36) heptane	0.000		0	N.D.			
38) trichloroethene	6.860	130	79764	20.00	ug/L		98

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : CCV1001.D
Acq On : 01 Oct 2014 09:12
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 01 12:03:42 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.125	83	144142	19.94	ug/L		100
40)	1,2-dichloropropane	7.195	63	78788	20.08	ug/L		99
41)	dibromomethane	7.366	93	42890	19.75	ug/L		97
42)	bromodichloromethane	7.648	83	89266	20.61	ug/L		99
43)	2-chloroethyl vinyl ether	8.160	63	21213	15.16	ug/L		98
44)	cis-1,3-dichloropropene	8.307	75	95803	18.41	ug/L		99
45)	4-methyl-2-pentanone (...	8.583	43	67091	19.10	ug/L		99
47)	toluene	8.742	91	323120	19.18	ug/L		100
48)	trans-1,3-dichloropropene	9.107	75	72201	18.09	ug/L		95
49)	1,1,2-trichloroethane	9.330	83	54607	20.36	ug/L		98
51)	tetrachloroethene	9.472	166	86878	20.61	ug/L		99
52)	1,3-dichloropropane	9.542	76	110763	20.49	ug/L		98
53)	2-hexanone (MBK)	9.730	43	46167	17.89	ug/L		95
54)	dibromochloromethane	9.825	129	60952	20.54	ug/L		98
55)	1,2-dibromoethane	9.936	109	54124	20.06	ug/L	#	100
56)	chlorobenzene	10.601	112	199200	18.92	ug/L		99
57)	1-chlorohexane	10.636	55	82006	20.23	ug/L		95
58)	1,1,1,2-tetrachloroethane	10.730	131	60482	19.41	ug/L		98
59)	ethylbenzene	10.772	91	363305	20.22	ug/L		99
60)	m+p-xylene	10.936	106	264416	39.31	ug/L		100
61)	o-xylene	11.430	106	126598	19.80	ug/L		99
62)	styrene	11.454	104	216430	19.77	ug/L		98
63)	bromoform	11.654	173	38677	19.22	ug/L		98
66)	isopropylbenzene	11.913	105	346185	20.30	ug/L		99
67)	bromobenzene	12.242	77	133922	18.91	ug/L		99
68)	1,1,2,2-tetrachloroethane	12.319	83	85816	19.90	ug/L	#	99
69)	1,2,3-trichloropropane	12.342	110	22629	19.61	ug/L		99
70)	1,4-dichloro-2-butene	12.389	53	22030	20.54	ug/L		88
71)	n-propylbenzene	12.436	120	92575	19.75	ug/L		98
72)	2-chlorotoluene	12.507	126	81944	20.01	ug/L		99
73)	1,3,5-trimethylbenzene	12.671	105	297643	20.42	ug/L		100
74)	4-chlorotoluene	12.648	91	288842	20.06	ug/L		99
75)	tert-butylbenzene	13.066	119	245408	19.87	ug/L		99
76)	1,2,4-trimethylbenzene	13.130	105	286519	19.60	ug/L		100
77)	sec-butylbenzene	13.342	105	385892	20.48	ug/L		99
78)	1,3-dichlorobenzene	13.436	146	162810	19.96	ug/L		99
79)	4-isopropyltoluene	13.536	119	316124	19.97	ug/L		99
80)	1,4-dichlorobenzene	13.554	146	164305	19.87	ug/L		99
81)	1,2-dichlorobenzene	14.007	146	147117	19.17	ug/L		99
82)	n-butylbenzene	14.048	91	311446	20.64	ug/L		100
83)	hexachloroethane	14.313	201	33843	20.01	ug/L		97
84)	1,2-dibromo-3-chloropr...	14.983	157	14154	19.48	ug/L		99
85)	1,2,4-trichlorobenzene	16.007	180	82173	19.36	ug/L		98
86)	hexachlorobutadiene	16.242	225	63300	20.36	ug/L		95
87)	naphthalene	16.295	128	129799	16.87	ug/L		98
88)	1,2,3-trichlorobenzene	16.595	180	70731	19.33	ug/L		96
89)	2-methylnaphthalene	17.695	142	32579	19.03	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J04001-CCV1
Lab File ID: CCV1002A.D
Injection Date: 10/02/14
Injection Time: 19:53
Calibration Date: 10/02/14 00:00
Calibration: 4J02011
Sequence: 4J04001
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	40.0	44.1	0.1462392	0.1440371	0.1	10.4	20
Acrolein	L	40.0	41.1	8.820755E-02	7.762177E-02	0.1	2.8	20
Acrylonitrile	A	40.0	41.1	0.1740187	0.1787846	0.1	2.7	20
Benzene	A	40.0	38.5	1.259818	1.213438	0.5	-3.7	20
Bromobenzene	A	40.0	36.2	1.804412	1.632979	0.1	-9.5	20
Bromochloromethane	A	40.0	37.7	0.2986478	0.2818073	0.1	-5.6	20
Bromodichloromethane	A	40.0	37.9	0.4083637	0.3869359	0.2	-5.2	20
Bromoform	A	40.0	38.7	0.3231825	0.3125159	0.1	-3.3	20
Bromomethane	A	40.0	35.7	0.2230243	0.1988028	0.1	-10.9	20
n-Butylbenzene	A	40.0	34.9	2.486806	2.497242	0.1	0.4	20
sec-Butylbenzene	A	40.0	38.2	4.044997	3.860023	0.1	-4.6	20
tert-Butylbenzene	A	40.0	37.6	2.809413	2.640266	0.1	-6.0	20
Carbon Disulfide	A	40.0	41.3	0.6880041	0.7100757	0.1	3.2	20
Carbon Tetrachloride	A	40.0	37.3	0.3384152	0.3153585	0.1	-6.8	20
Chlorobenzene	A	40.0	38.5	1.162415	1.119027	0.5	-3.7	20
Chloroethane	A	40.0	36.3	0.244908	0.2219906	0.1	-9.4	20
2-Chloroethyl Vinyl Ether	Q	40.0	43.8	8.941511E-02	0.1023475	0.1	9.4	20
Chloroform	A	40.0	38.4	0.558063	0.5359732	0.2	-4.0	20
1-Chlorohexane	A	40.0	37.6	0.4024068	0.3785654	0.1	-5.9	20
Chloromethane	A	40.0	37.2	0.4449843	0.4133674	0.1	-7.1	20
2-Chlorotoluene	A	40.0	36.0	1.011718	0.9101485	0.1	-10.0	20
4-Chlorotoluene	A	40.0	36.4	3.408284	3.101321	0.1	-9.0	20
Cyclohexane	A	40.0	36.9	0.5052059	0.4658731	0.1	-7.8	20
1,2-Dibromo-3-chloropropane	Q	40.0	40.4	0.2095092	0.2017652	0.05	1.0	20
Dibromochloromethane	A	40.0	37.0	0.4636689	0.428995	0.1	-7.5	20
1,2-Dibromoethane	A	40.0	39.1	0.4114394	0.4020534	0.1	-2.3	20
Dibromomethane	A	40.0	39.1	0.2161756	0.2113052	0.1	-2.3	20
trans-1,4-Dichloro-2-butene	L	40.0	37.8	0.3537377	0.2968632	0.1	-5.5	20
1,2-Dichlorobenzene	A	40.0	38.2	1.768861	1.689345	0.4	-4.5	20

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J04001-CCV1
Lab File ID: CCV1002A.D
Injection Date: 10/02/14
Injection Time: 19:53
Calibration Date: 10/02/14 00:00
Calibration: 4J02011
Sequence: 4J04001
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3-Dichlorobenzene	A	40.0	37.3	1.84971	1.725638	0.6	-6.7	20
1,4-Dichlorobenzene	A	40.0	36.8	1.867111	1.717882	0.5	-8.0	20
Dichlorodifluoromethane	A	40.0	37.1	0.300971	0.2789091	0.1	-7.3	20
1,1-Dichloroethane	A	40.0	37.8	0.5689219	0.5379522	0.1	-5.4	20
1,2-Dichloroethane	A	40.0	39.0	0.4375004	0.4269705	0.2	-2.4	20
1,1-Dichloroethene	A	40.0	38.1	0.261731	0.249515	0.1	-4.7	20
cis-1,2-Dichloroethene	A	40.0	37.9	0.3353492	0.3179639	0.1	-5.2	20
trans-1,2-Dichloroethene	A	40.0	38.1	0.2921511	0.27839	0.1	-4.7	20
1,2-Dichloroethene (Total)	A	80.0	76.0	0.3137502	0.2981769	0.1	-5.0	20
Dichlorofluoromethane	A	40.0	37.5	0.6015649	0.5643758	0.1	-6.2	20
1,2-Dichloropropane	A	40.0	38.5	0.3458025	0.3331304	0.1	-3.7	20
1,3-Dichloropropane	A	40.0	39.9	0.7775892	0.7758539	0.1	-0.2	20
2,2-Dichloropropane	A	40.0	35.0	0.3402213	0.2973563	0.1	-12.6	20
1,1-Dichloropropene	A	40.0	38.1	0.4000101	0.3807686	0.1	-4.8	20
cis-1,3-Dichloropropene	A	40.0	38.7	0.4504566	0.4354466	0.2	-3.3	20
trans-1,3-Dichloropropene	A	40.0	37.6	0.363814	0.3420065	0.2	-6.0	20
1,3-Dichloropropene (Total)	A	80.0	76.3	0.4071353	0.3887266	0.1	-4.5	20
Ethylbenzene	A	40.0	38.5	2.021724	1.945253	0.1	-3.8	20
Ethyl Ether	A	40.0	37.9	0.2105838	0.1995152	0.1	-5.3	20
Hexachlorobutadiene	A	40.0	36.4	0.3972684	0.3614063	0.1	-9.0	20
Hexachloroethane	A	40.0	37.2	0.4160302	0.3864281	0.1	-7.1	20
2-Hexanone	A	40.0	43.0	0.3695103	0.3972277	0.1	7.5	20
Iodomethane	L	40.0	38.7	0.2838384	0.3486325	0.1	-3.2	20
Isopropylbenzene	A	40.0	37.0	4.107849	3.803008	0.1	-7.4	20
4-Isopropyltoluene	A	40.0	39.4	3.13255	3.084681	0.1	-1.5	20
Methyl Acetate	A	40.0	41.4	0.2962235	0.306494	0.1	3.5	20
Methyl tert-Butyl Ether	A	40.0	38.9	0.8465273	0.8240278	0.1	-2.7	20
Methylcyclohexane	A	40.0	36.3	0.4723781	0.4287075	0.1	-9.2	20
Methylene Chloride	L	40.0	39.2	0.6513045	0.4237659	0.1	-1.9	20

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J04001-CCV1
Lab File ID: CCV1002A.D
Injection Date: 10/02/14
Injection Time: 19:53
Calibration Date: 10/02/14 00:00
Calibration: 4J02011
Sequence: 4J04001
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Butanone (MEK)	A	40.0	46.1	0.1710014	0.1970385	0.1	15.2	20
2-Methylnaphthalene	Q	40.0	36.3	0.2826853	0.2316124	0.1	-9.2	20
4-Methyl-2-pentanone (MIBK)	A	40.0	46.9	0.3437782	0.4028947	0.1	17.2	20
Naphthalene	Q	40.0	34.3	1.282857	1.066889	0.1	-14.3	20
n-Propylbenzene	A	40.0	37.6	1.069969	1.005773	0.1	-6.0	20
Styrene	A	40.0	39.2	1.241947	1.215519	0.3	-2.1	20
1,1,1,2-Tetrachloroethane	A	40.0	38.2	0.3979692	0.3796338	0.1	-4.6	20
1,1,2,2-Tetrachloroethane	L	40.0	41.7	1.614513	1.407408	0.3	4.2	20
Tetrachloroethene	A	40.0	37.1	0.469519	0.4356124	0.2	-7.2	20
Tetrahydrofuran	A	40.0	41.9	4.749434E-02	0.0497656	0.1 *	4.8	20
Toluene	A	40.0	38.1	1.330378	1.267724	0.4	-4.7	20
1,2,3-Trichlorobenzene	Q	40.0	33.7	0.520641	0.455937	0.1	-15.8	20
1,2,4-Trichlorobenzene	Q	40.0	32.2	0.5966153	0.5175147	0.2	-19.4	20
1,1,1-Trichloroethane	A	40.0	37.5	0.4261553	0.3998989	0.1	-6.2	20
1,1,2-Trichloroethane	A	40.0	39.0	0.2790538	0.2717074	0.1	-2.6	20
Trichloroethene	A	40.0	38.5	0.305625	0.2940384	0.2	-3.8	20
Trichlorofluoromethane	A	40.0	37.0	0.4729164	0.4373456	0.1	-7.5	20
1,2,3-Trichloropropane	L	40.0	41.2	0.4209514	0.3807663	0.1	3.0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	A	40.0	35.8	0.2674249	0.2393898	0.1	-10.5	20
1,2,4-Trimethylbenzene	A	40.0	39.8	3.161954	3.144568	0.1	-0.5	20
1,3,5-Trimethylbenzene	A	40.0	38.8	3.369069	3.270174	0.1	-2.9	20
Vinyl Acetate	A	40.0	38.9	0.5477533	0.5332974	0.1	-2.6	20
Vinyl Chloride	A	40.0	37.4	0.3973669	0.3712386	0.1	-6.6	20
Xylene, Meta + Para	A	80.0	77.3	0.7447717	0.7199416	0.1	-3.3	20
Xylene, Ortho	A	40.0	38.3	0.7337661	0.7031814	0.3	-4.2	20
Xylene (Total)	A	120	116	0.7411032	0.7143549	0.1	-3.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : CCV1002A.D
Acq On : 02 Oct 2014 19:53
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 28 Sample Multiplier: 1
Quant Time: Oct 04 11:43:43 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	98	0.00
2		dichlorodifluoromethane	0.301	0.279	7.3	91	0.00
3	P	chloromethane	0.445	0.413	7.2	96	0.00
4	C	vinyl chloride	0.397	0.371	6.5	94	0.00
5		bromomethane	0.223	0.199	10.8	96	0.00
6		chloroethane	0.245	0.222	9.4	94	0.00
7		dichlorofluoromethane	0.602	0.564	6.3	95	0.00
8		trichlorofluoromethane	0.473	0.437	7.6	91	0.00
9		ethyl ether	0.211	0.200	5.2	97	0.00
10		acrolein	0.088	0.078	11.4	104	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.267	0.239	10.5	89	0.00
12	C	1,1-dichloroethene	0.262	0.250	4.6	94	0.00
13		acetone	0.146	0.144	1.4	116	0.00
14		iodomethane	0.284	0.349	-22.9	101	0.00
15		carbon disulfide	0.688	0.710	-3.2	101	0.00
16		methyl acetate	0.296	0.306	-3.4	103	0.00
17		methylene chloride	0.651	0.424	34.9#	95	0.00
18		acrylonitrile	0.174	0.179	-2.9	109	0.00
19		trans-1,2-dichloroethene	0.292	0.278	4.8	94	0.00
20		methyl (tert) butyl ether	0.847	0.824	2.7	97	0.00
21	P	1,1-dichloroethane	0.569	0.538	5.4	95	0.00
22		vinyl acetate	0.548	0.533	2.7	95	0.00
23		2,2-dichloropropane	0.340	0.297	12.6	88	0.00
24		cis-1,2-dichloroethene	0.335	0.318	5.1	94	0.00
25		2-butanone (MEK)	0.171	0.197	-15.2	121	0.00
26		bromochloromethane	0.299	0.282	5.7	96	0.00
27		tetrahydrofuran	0.047	0.050	-6.4	107	0.00
28	C	chloroform	0.558	0.536	3.9	96	0.00
29	S	#Dibromofluoromethane	0.265	0.264	0.4	98	0.00
30		1,1,1-trichloroethane	0.426	0.400	6.1	93	0.00
31		cyclohexane	0.505	0.466	7.7	91	0.00
32		carbon tetrachloride	0.338	0.315	6.8	88	0.00
33		1,1-dichloropropene	0.400	0.381	4.8	92	0.00
34		benzene	1.260	1.213	3.7	95	0.00
35		1,2-dichloroethane	0.438	0.427	2.5	97	0.00
36		heptane	0.000	0.000	0.0	0#	0.00
37	s	#1,2-Dichloroethane-d4	0.164	0.165	-0.6	101	0.00
38		trichloroethene	0.306	0.294	3.9	95	0.00
39		methylcyclohexane	0.472	0.429	9.1	90	0.00
40	C	1,2-dichloropropane	0.346	0.333	3.8	95	0.00
41		dibromomethane	0.216	0.211	2.3	98	0.00
42		bromodichloromethane	0.408	0.387	5.1	95	0.00
43		2-chloroethyl vinyl ether	0.089	0.102	-14.6	121	0.00
44		cis-1,3-dichloropropene	0.450	0.435	3.3	95	0.00
45		4-methyl-2-pentanone (MIBK)	0.344	0.403	-17.2	116	0.00
46	s	#Toluene-d8	0.975	0.976	-0.1	98	0.00
47	C	toluene	1.330	1.268	4.7	94	0.00

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : CCV1002A.D
Acq On : 02 Oct 2014 19:53
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 28 Sample Multiplier: 1
Quant Time: Oct 04 11:43:43 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

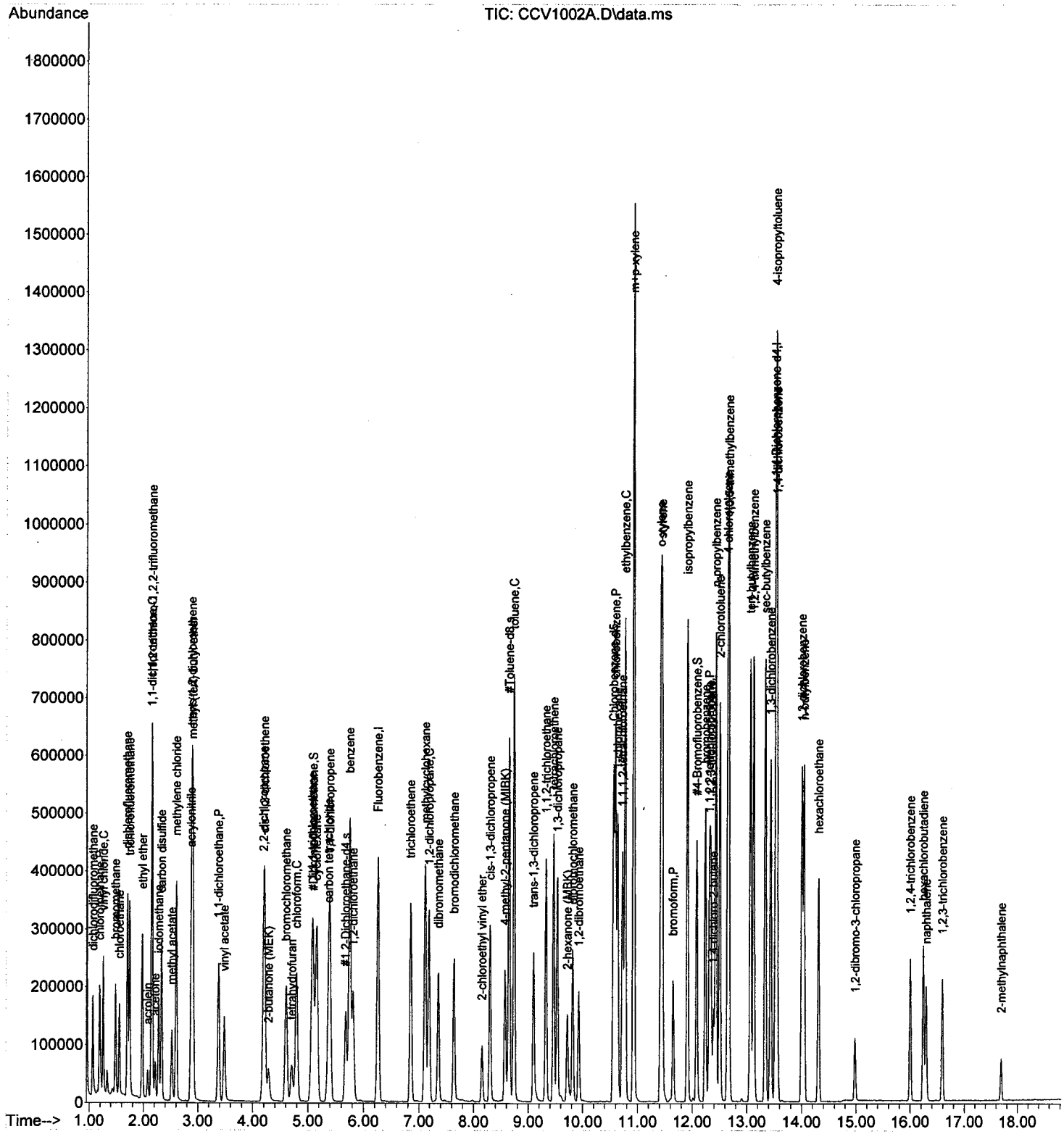
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		trans-1,3-dichloropropene	0.364	0.342	6.0	93	0.00
49		1,1,2-trichloroethane	0.279	0.272	2.5	98	0.00
50		Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
51		tetrachloroethene	0.470	0.436	7.2	94	0.00
52		1,3-dichloropropane	0.778	0.776	0.3	99	0.00
53		2-hexanone (MBK)	0.370	0.397	-7.3	117	0.00
54		dibromochloromethane	0.464	0.429	7.5	93	0.00
55		1,2-dibromoethane	0.411	0.402	2.2	95	0.00
56	P	chlorobenzene	1.162	1.119	3.7	96	0.00
57		1-chlorohexane	0.402	0.379	5.7	91	0.00
58		1,1,1,2-tetrachloroethane	0.398	0.380	4.5	96	0.00
59	C	ethylbenzene	2.022	1.945	3.8	95	0.00
60		m+p-xylene	0.745	0.720	3.4	94	0.00
61		o-xylene	0.734	0.703	4.2	94	0.00
62		styrene	1.242	1.216	2.1	94	0.00
63	P	bromoform	0.323	0.313	3.1	97	0.00
64	S	#4-Bromofluorobenzene	0.498	0.499	-0.2	97	0.00
65	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
66		isopropylbenzene	4.108	3.803	7.4	92	0.00
67		bromobenzene	1.804	1.633	9.5	95	0.00
68	P	1,1,2,2-tetrachloroethane	1.615	1.407	12.9	99	0.00
69		1,2,3-trichloropropane	0.421	0.381	9.5	100	0.00
70		1,4-dichloro-2-butene	0.354	0.297	16.1	97	0.00
71		n-propylbenzene	1.070	1.006	6.0	93	0.00
72		2-chlorotoluene	1.012	0.910	10.1	94	0.00
73		1,3,5-trimethylbenzene	3.369	3.270	2.9	91	0.00
74		4-chlorotoluene	3.408	3.101	9.0	92	0.00
75		tert-butylbenzene	2.809	2.640	6.0	90	0.00
76		1,2,4-trimethylbenzene	3.162	3.145	0.5	92	0.00
77		sec-butylbenzene	4.045	3.860	4.6	90	0.00
78		1,3-dichlorobenzene	1.850	1.726	6.7	92	0.00
79		4-isopropyltoluene	3.133	3.085	1.5	89	0.00
80		1,4-dichlorobenzene	1.867	1.718	8.0	91	0.00
81		1,2-dichlorobenzene	1.769	1.689	4.5	93	0.00
82		n-butylbenzene	2.487	2.497	-0.4	85	0.00
83		hexachloroethane	0.416	0.386	7.2	95	0.00
84		1,2-dibromo-3-chloropropane	0.210	0.202	3.8	99	0.00
85		1,2,4-trichlorobenzene	0.597	0.518	13.2	79	0.00
86		hexachlorobutadiene	0.397	0.361	9.1	84	0.00
87		naphthalene	1.283	1.067	16.8	87	0.00
88		1,2,3-trichlorobenzene	0.521	0.456	12.5	84	0.00
89		2-methylnaphthalene	0.283	0.232	18.0	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : CCV1002A.D
Acq On : 02 Oct 2014 19:53
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 28 Sample Multiplier: 1
Quant Time: Oct 04 11:43:43 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



001603

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : CCV1002A.D
Acq On : 02 Oct 2014 19:53
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 28 Sample Multiplier: 1
Quant Time: Oct 04 11:43:43 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.260	96	512382	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	362228	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	170971	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.096	111	135119	39.84	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.60%			
37) #1,2-Dichloroethane-d4	5.678	67	84701	40.23	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.57%			
46) #Toluene-d8	8.648	98	500126	40.05	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.13%			
64) #4-Bromofluorobenzene	12.083	95	180912	40.08	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.20%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	142908	37.07	ug/L	98
3) chloromethane	1.190	50	211802	37.16	ug/L	98
4) vinyl chloride	1.260	62	190216	37.37	ug/L	99
5) bromomethane	1.484	94	101863	35.66	ug/L	97
6) chloroethane	1.555	64	113744	36.26	ug/L	97
7) dichlorofluoromethane	1.702	67	289176	37.53	ug/L	100
8) trichlorofluoromethane	1.743	101	224088	36.99	ug/L	99
9) ethyl ether	1.978	74	102228	37.90	ug/L	98
10) acrolein	2.078	56	39772	41.10	ug/L #	97
11) 1,1,2-trichloro-1,2,2-...	2.155	101	122659	35.81	ug/L	99
12) 1,1-dichloroethene	2.149	96	127847	38.13	ug/L	99
13) acetone	2.213	43	73802	44.14	ug/L	99
14) iodomethane	2.278	142	178633	38.72	ug/L	100
15) carbon disulfide	2.331	76	363830	41.28	ug/L	100
16) methyl acetate	2.519	43	157042	41.39	ug/L	99
17) methylene chloride	2.602	49	217130	39.25	ug/L	99
18) acrylonitrile	2.872	53	91606	41.10	ug/L	96
19) trans-1,2-dichloroethene	2.884	96	142642	38.12	ug/L	99
20) methyl (tert) butyl ether	2.902	73	422217	38.94	ug/L	98
21) 1,1-dichloroethane	3.378	63	275637	37.82	ug/L	99
22) vinyl acetate	3.484	43	273252	38.94	ug/L	99
23) 2,2-dichloropropane	4.196	77	152360	34.96	ug/L	99
24) cis-1,2-dichloroethene	4.213	96	162919	37.93	ug/L	99
25) 2-butanone (MEK)	4.284	43	100959	46.09	ug/L	98
26) bromochloromethane	4.601	49	144393	37.74	ug/L	99
27) tetrahydrofuran	4.707	71	25499	41.91	ug/L	97
28) chloroform	4.790	83	274623	38.42	ug/L	98
30) 1,1,1-trichloroethane	5.078	97	204901	37.54	ug/L	98
31) cyclohexane	5.154	56	238705	36.89	ug/L	99
32) carbon tetrachloride	5.372	117	161584	37.27	ug/L	100
33) 1,1-dichloropropene	5.396	75	195099	38.08	ug/L	100
34) benzene	5.754	78	621744	38.53	ug/L	91
35) 1,2-dichloroethane	5.813	62	218772	39.04	ug/L	99
36) heptane	6.260	57	18408	No Calib	#	
38) trichloroethene	6.848	130	150660	38.48	ug/L	99

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : CCV1002A.D
Acq On : 02 Oct 2014 19:53
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 28 Sample Multiplier: 1
Quant Time: Oct 04 11:43:43 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	219662	36.30 ug/L	98
40) 1,2-dichloropropane	7.190	63	170690	38.53 ug/L	99
41) dibromomethane	7.360	93	108269	39.10 ug/L	100
42) bromodichloromethane	7.642	83	198259	37.90 ug/L	98
43) 2-chloroethyl vinyl ether	8.154	63	52441	43.75 ug/L	100
44) cis-1,3-dichloropropene	8.301	75	223115	38.67 ug/L	99
45) 4-methyl-2-pentanone (...	8.572	43	206436	46.88 ug/L	99
47) toluene	8.736	91	649559	38.12 ug/L	100
48) trans-1,3-dichloropropene	9.095	75	175238	37.60 ug/L	98
49) 1,1,2-trichloroethane	9.325	83	139218	38.95 ug/L	99
51) tetrachloroethene	9.466	166	157791	37.11 ug/L	98
52) 1,3-dichloropropane	9.536	76	281036	39.91 ug/L	98
53) 2-hexanone (MBK)	9.719	43	143887	43.00 ug/L	97
54) dibromochloromethane	9.819	129	155394	37.01 ug/L	98
55) 1,2-dibromoethane	9.931	109	145635	39.09 ug/L #	100
56) chlorobenzene	10.595	112	405343	38.51 ug/L	98
57) 1-chlorohexane	10.636	55	137127	37.63 ug/L	98
58) 1,1,1,2-tetrachloroethane	10.725	131	137514	38.16 ug/L	99
59) ethylbenzene	10.772	91	704625	38.49 ug/L	98
60) m+p-xylene	10.931	106	521566	77.33 ug/L	99
61) o-xylene	11.425	106	254712	38.33 ug/L	100
62) styrene	11.448	104	440295	39.15 ug/L	100
63) bromoform	11.648	173	113202	38.68 ug/L	99
66) isopropylbenzene	11.913	105	650204	37.03 ug/L	99
67) bromobenzene	12.242	77	279192	36.20 ug/L	99
68) 1,1,2,2-tetrachloroethane	12.313	83	240626	41.69 ug/L #	100
69) 1,2,3-trichloropropane	12.336	110	65100	41.20 ug/L	96
70) 1,4-dichloro-2-butene	12.389	53	50755	37.81 ug/L	97
71) n-propylbenzene	12.430	120	171958	37.60 ug/L	98
72) 2-chlorotoluene	12.507	126	155609	35.98 ug/L	98
73) 1,3,5-trimethylbenzene	12.672	105	559105	38.83 ug/L	98
74) 4-chlorotoluene	12.648	91	530236	36.40 ug/L	100
75) tert-butylbenzene	13.066	119	451409	37.59 ug/L	99
76) 1,2,4-trimethylbenzene	13.124	105	537630	39.78 ug/L	98
77) sec-butylbenzene	13.342	105	659952	38.17 ug/L	100
78) 1,3-dichlorobenzene	13.436	146	295034	37.32 ug/L	98
79) 4-isopropyltoluene	13.536	119	527391	39.39 ug/L	99
80) 1,4-dichlorobenzene	13.554	146	293708	36.80 ug/L	99
81) 1,2-dichlorobenzene	14.007	146	288829	38.20 ug/L	99
82) n-butylbenzene	14.048	91	426956	34.94 ug/L	99
83) hexachloroethane	14.313	201	66068	37.15 ug/L	97
84) 1,2-dibromo-3-chloropr...	14.983	157	34496	40.41 ug/L	98
85) 1,2,4-trichlorobenzene	16.001	180	88480	32.24 ug/L	97
86) hexachlorobutadiene	16.242	225	61790	36.39 ug/L	98
87) naphthalene	16.295	128	182407	34.27 ug/L	99
88) 1,2,3-trichlorobenzene	16.595	180	77952	33.70 ug/L	100
89) 2-methylnaphthalene	17.695	142	39599	36.33 ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001605

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J08061-CCV1
Lab File ID: 20P1008.D
Injection Date: 10/08/14
Injection Time: 10:47
Calibration Date: 10/08/14 00:00
Calibration: 4J08013
Sequence: 4J08061
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	20.0	19.0	0.1448911	0.1311206	0.1	-4.8	20
Acrolein	L	20.0	21.1	7.304604E-02	6.194167E-02	0.1	5.6	20
Acrylonitrile	L	20.0	21.6	0.1553998	0.1501431	0.1	8.0	20
Benzene	A	20.0	19.6	1.390115	1.359941	0.5	-2.2	20
Bromobenzene	A	20.0	18.9	1.820878	1.719224	0.1	-5.6	20
Bromochloromethane	A	20.0	19.2	0.3014128	0.2901256	0.1	-3.7	20
Bromodichloromethane	A	20.0	19.4	0.3883664	0.3763357	0.2	-3.1	20
Bromoform	A	20.0	18.9	0.2519575	0.2386176	0.1	-5.3	20
Bromomethane	A	20.0	19.1	0.2873604	0.2740519	0.1	-4.6	20
n-Butylbenzene	A	20.0	20.1	3.965131	3.987968	0.1	0.6	20
sec-Butylbenzene	A	20.0	19.8	5.082617	5.021682	0.1	-1.2	20
tert-Butylbenzene	A	20.0	18.8	3.420517	3.223335	0.1	-5.8	20
Carbon Disulfide	A	20.0	17.9	0.8024155	0.7171982	0.1	-10.6	20
Carbon Tetrachloride	A	20.0	19.4	0.3602106	0.3493221	0.1	-3.0	20
Chlorobenzene	A	20.0	19.0	1.346552	1.282436	0.5	-4.8	20
Chloroethane	A	20.0	19.6	0.2646889	0.2599849	0.1	-1.8	20
2-Chloroethyl Vinyl Ether	A	20.0	17.8	6.371378E-02	5.666018E-02	0.1	-11.1	20
Chloroform	A	20.0	19.2	0.6047168	0.5791562	0.2	-4.2	20
1-Chlorohexane	A	20.0	18.6	0.5425341	0.5036527	0.1	-7.2	20
Chloromethane	A	20.0	18.7	0.5126582	0.4804172	0.1	-6.3	20
2-Chlorotoluene	A	20.0	18.9	1.091419	1.029373	0.1	-5.7	20
4-Chlorotoluene	A	20.0	19.4	3.771624	3.659867	0.1	-3.0	20
Cyclohexane	A	20.0	19.2	0.6353486	0.6084972	0.1	-4.2	20
1,2-Dibromo-3-chloropropane	A	20.0	20.0	0.1715079	0.171079	0.05	-0.3	20
Dibromochloromethane	A	20.0	18.9	0.3883317	0.3664955	0.1	-5.6	20
1,2-Dibromoethane	A	20.0	19.8	0.36098	0.3569759	0.1	-1.1	20
Dibromomethane	A	20.0	19.7	0.1970514	0.1939943	0.1	-1.6	20
trans-1,4-Dichloro-2-butene	A	20.0	20.8	0.2637036	0.274644	0.1	4.1	20
1,2-Dichlorobenzene	A	20.0	19.4	1.989997	1.932865	0.4	-2.9	20

CONTINUING CALIBRATION CHECK
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J08061-CCV1
Lab File ID: 20P1008.D
Injection Date: 10/08/14
Injection Time: 10:47
Calibration Date: 10/08/14 00:00
Calibration: 4J08013
Sequence: 4J08061
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3-Dichlorobenzene	A	20.0	19.5	2.177821	2.123827	0.6	-2.5	20
1,4-Dichlorobenzene	A	20.0	19.4	2.180036	2.112334	0.5	-3.1	20
Dichlorodifluoromethane	A	20.0	20.1	0.3696883	0.3711713	0.1	0.4	20
1,1-Dichloroethane	A	20.0	19.2	0.6244901	0.5991668	0.1	-4.1	20
1,2-Dichloroethane	A	20.0	19.6	0.4148016	0.4074185	0.2	-1.8	20
1,1-Dichloroethene	A	20.0	19.3	0.3140714	0.3037189	0.1	-3.3	20
cis-1,2-Dichloroethene	A	20.0	19.0	0.3721679	0.35386	0.1	-4.9	20
trans-1,2-Dichloroethene	A	20.0	18.5	0.3546965	0.3277734	0.1	-7.6	20
1,2-Dichloroethene (Total)	A	40.0	37.5	0.3634322	0.3408167	0.1	-6.2	20
Dichlorofluoromethane	A	20.0	19.4	0.6754687	0.6551292	0.1	-3.0	20
1,2-Dichloropropane	A	20.0	19.2	0.3560026	0.3422071	0.1	-3.9	20
1,3-Dichloropropane	A	20.0	19.3	0.7419202	0.7170327	0.1	-3.4	20
2,2-Dichloropropane	A	20.0	19.1	0.3676523	0.3515478	0.1	-4.4	20
1,1-Dichloropropene	A	20.0	18.9	0.4877532	0.461247	0.1	-5.4	20
cis-1,3-Dichloropropene	A	20.0	19.5	0.4340275	0.4236144	0.2	-2.4	20
trans-1,3-Dichloropropene	A	20.0	19.2	0.3270162	0.3146537	0.2	-3.8	20
1,3-Dichloropropene (Total)	A	40.0	38.8	0.3805219	0.3691341	0.1	-3.0	20
Ethylbenzene	A	20.0	19.1	2.407085	2.301883	0.1	-4.4	20
Ethyl Ether	A	20.0	19.0	0.2122534	0.2021584	0.1	-4.8	20
Hexachlorobutadiene	A	20.0	20.3	0.8173056	0.8312006	0.1	1.7	20
Hexachloroethane	A	20.0	19.3	0.4616234	0.4459415	0.1	-3.4	20
2-Hexanone	A	20.0	19.3	0.3201258	0.3084526	0.1	-3.6	20
Iodomethane	L	20.0	15.9	0.2165621	0.1721196	0.1	-20.6	20 *
Isopropylbenzene	A	20.0	19.1	4.63027	4.422126	0.1	-4.5	20
4-Isopropyltoluene	A	20.0	19.5	4.22915	4.11615	0.1	-2.7	20
Methyl Acetate	A	20.0	20.4	0.2751802	0.279965	0.1	1.7	20
Methyl tert-Butyl Ether	A	20.0	19.5	0.8680496	0.8451509	0.1	-2.6	20
Methylcyclohexane	A	20.0	19.3	0.6458306	0.6236491	0.1	-3.4	20
Methylene Chloride	L	20.0	19.9	0.9023238	0.5523362	0.1	-0.5	20

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J08061-CCV1
Lab File ID: 20P1008.D
Injection Date: 10/08/14
Injection Time: 10:47
Calibration Date: 10/08/14 00:00
Calibration: 4J08013
Sequence: 4J08061
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Butanone (MEK)	A	20.0	18.0	0.1570979	0.1410164	0.1	-10.2	20
2-Methylnaphthalene	Q	20.0	18.0	0.6718357	0.3941007	0.1	-10.0	20
4-Methyl-2-pentanone (MIBK)	A	20.0	19.1	0.3056329	0.2915873	0.1	-4.6	20
Naphthalene	Q	20.0	18.3	1.987861	1.563978	0.1	-8.6	20
n-Propylbenzene	A	20.0	19.4	1.244364	1.208448	0.1	-2.9	20
Styrene	A	20.0	19.9	1.408921	1.402862	0.3	-0.4	20
1,1,1,2-Tetrachloroethane	A	20.0	19.4	0.3979762	0.3850686	0.1	-3.2	20
1,1,2,2-Tetrachloroethane	A	20.0	19.1	1.196135	1.14344	0.3	-4.4	20
Tetrachloroethene	A	20.0	19.3	0.5846994	0.5647474	0.2	-3.4	20
Tetrahydrofuran	A	20.0	20.0	0.0438913	4.390718E-02	0.1	0.04	20
Toluene	A	20.0	19.4	1.497957	1.453928	0.4	-2.9	20
1,2,3-Trichlorobenzene	Q	20.0	18.9	0.9380999	0.849248	0.1	-5.4	20
1,2,4-Trichlorobenzene	Q	20.0	19.1	1.063696	1.014952	0.2	-4.4	20
1,1,1-Trichloroethane	A	20.0	18.6	0.4667933	0.4338566	0.1	-7.1	20
1,1,2-Trichloroethane	A	20.0	19.5	0.2583933	0.2518055	0.1	-2.5	20
Trichloroethene	A	20.0	19.2	0.3692052	0.3552861	0.2	-3.8	20
Trichlorofluoromethane	A	20.0	19.4	0.5594245	0.5439683	0.1	-2.8	20
1,2,3-Trichloropropane	A	20.0	19.4	0.3174164	0.3073741	0.1	-3.2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	A	20.0	19.0	0.343414	0.3255834	0.1	-5.2	20
1,2,4-Trimethylbenzene	A	20.0	19.6	3.863114	3.784203	0.1	-2.0	20
1,3,5-Trimethylbenzene	A	20.0	19.7	3.985057	3.922523	0.1	-1.6	20
Vinyl Acetate	A	20.0	18.6	0.4829817	0.4502256	0.1	-6.8	20
Vinyl Chloride	A	20.0	19.7	0.4661682	0.4583236	0.1	-1.7	20
Xylene, Meta + Para	A	40.0	39.5	0.8863355	0.8744273	0.1	-1.3	20
Xylene, Ortho	A	20.0	19.7	0.8396056	0.8252376	0.3	-1.7	20
Xylene (Total)	A	60.0	59.1	0.8707589	0.8580308	0.1	-1.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 20P1008.D
Acq On : 08 Oct 2014 10:47
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 08 16:16:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2		dichlorodifluoromethane	0.370	0.371	-0.3	100	0.00
3	P	chloromethane	0.513	0.480	6.4	100	0.00
4	C	vinyl chloride	0.466	0.458	1.7	100	0.00
5		bromomethane	0.287	0.274	4.5	100	0.00
6		chloroethane	0.265	0.260	1.9	100	0.00
7		dichlorofluoromethane	0.675	0.655	3.0	100	0.00
8		trichlorofluoromethane	0.559	0.544	2.7	100	0.00
9		ethyl ether	0.212	0.202	4.7	100	0.00
10		acrolein	0.073	0.062	15.1	100	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.343	0.326	5.0	100	0.00
12	C	1,1-dichloroethene	0.314	0.304	3.2	100	0.00
13		acetone	0.145	0.131	9.7	98	0.00
14		iodomethane	0.217	0.172	20.7	100	0.00
15		carbon disulfide	0.802	0.717	10.6	100	0.00
16		methyl acetate	0.275	0.280	-1.8	100	0.00
17		methylene chloride	0.902	0.552	38.8#	100	0.00
18		acrylonitrile	0.155	0.150	3.2	100	0.00
19		trans-1,2-dichloroethene	0.355	0.328	7.6	100	0.00
20		methyl (tert) butyl ether	0.868	0.845	2.6	100	0.00
21	P	1,1-dichloroethane	0.624	0.599	4.0	100	0.00
22		vinyl acetate	0.483	0.450	6.8	100	0.00
23		2,2-dichloropropane	0.368	0.352	4.3	100	0.00
24		cis-1,2-dichloroethene	0.372	0.354	4.8	100	0.00
25		2-butanone (MEK)	0.157	0.141	10.2	98	0.00
26		bromochloromethane	0.301	0.290	3.7	100	0.00
27		tetrahydrofuran	0.044	0.044	0.0	100	0.01
28	C	chloroform	0.605	0.579	4.3	100	0.00
29	S	#Dibromofluoromethane	0.248	0.250	-0.8	100	0.00
30		1,1,1-trichloroethane	0.467	0.434	7.1	100	0.00
31		cyclohexane	0.635	0.608	4.3	100	0.00
32		carbon tetrachloride	0.360	0.349	3.1	100	0.00
33		1,1-dichloropropene	0.488	0.461	5.5	100	0.00
34		benzene	1.390	1.360	2.2	100	0.00
35		1,2-dichloroethane	0.415	0.407	1.9	100	0.00
36		heptane	0.000	0.000	0.0	0#	-5.95#
37	s	#1,2-Dichloroethane-d4	0.146	0.145	0.7	100	0.00
38		trichloroethene	0.369	0.355	3.8	100	0.00
39		methylcyclohexane	0.646	0.624	3.4	100	0.00
40	C	1,2-dichloropropane	0.356	0.342	3.9	100	0.00
41		dibromomethane	0.197	0.194	1.5	100	0.00
42		bromodichloromethane	0.388	0.376	3.1	100	0.00
43		2-chloroethyl vinyl ether	0.064	0.057	10.9	100	0.00
44		cis-1,3-dichloropropene	0.434	0.424	2.3	100	0.00
45		4-methyl-2-pentanone (MIBK)	0.306	0.292	4.6	100	0.00
46	s	#Toluene-d8	0.967	0.970	-0.3	100	0.00
47	C	toluene	1.498	1.454	2.9	100	0.00

001609

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 20P1008.D
Acq On : 08 Oct 2014 10:47
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 08 16:16:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

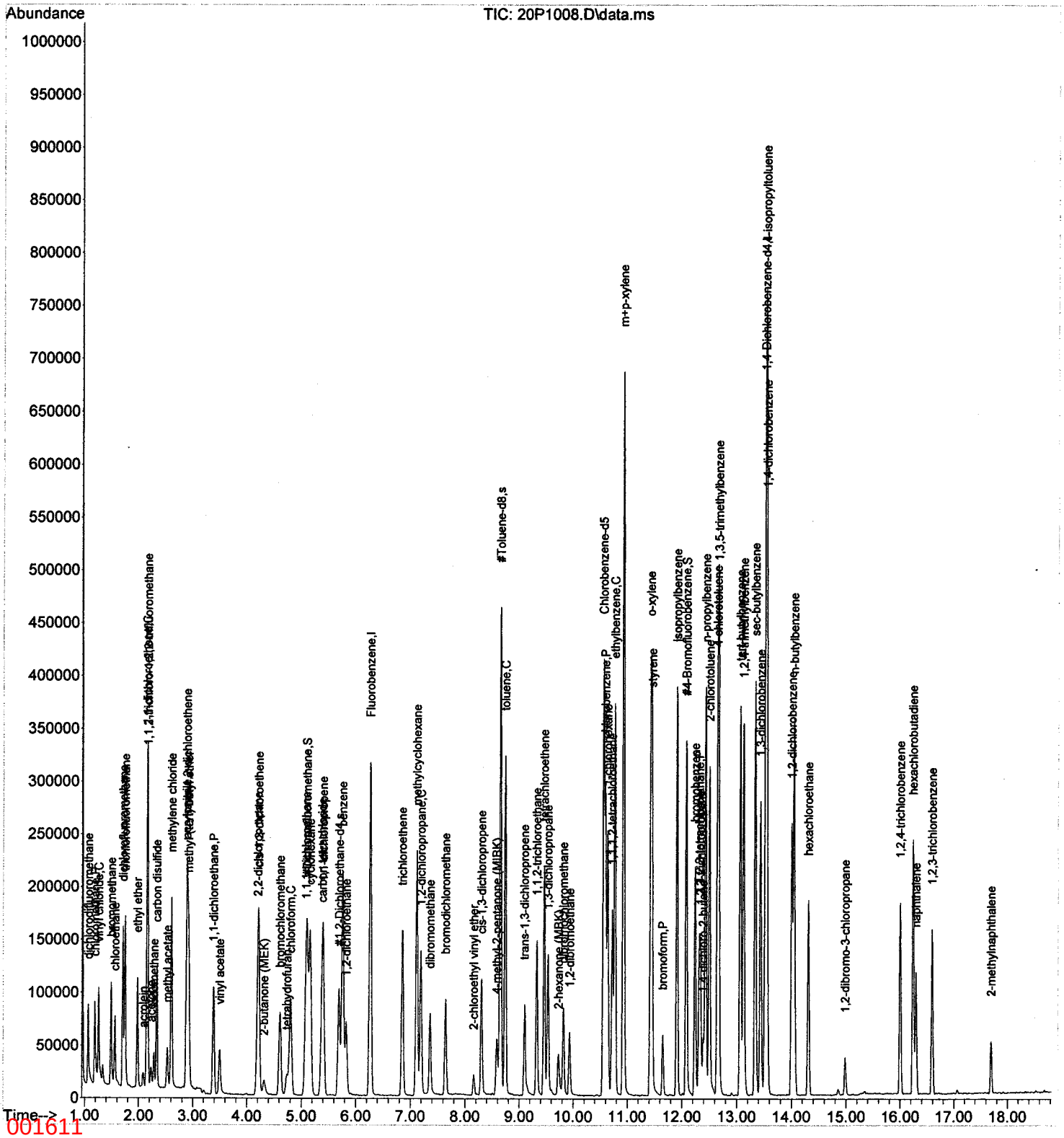
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		trans-1,3-dichloropropene	0.327	0.315	3.7	100	0.00
49		1,1,2-trichloroethane	0.258	0.252	2.3	100	0.00
50		Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
51		tetrachloroethene	0.585	0.565	3.4	100	0.00
52		1,3-dichloropropane	0.742	0.717	3.4	100	0.00
53		2-hexanone (MBK)	0.320	0.308	3.8	100	0.00
54		dibromochloromethane	0.388	0.366	5.7	100	0.00
55		1,2-dibromoethane	0.361	0.357	1.1	100	0.00
56	P	chlorobenzene	1.347	1.282	4.8	100	0.00
57		1-chlorohexane	0.543	0.504	7.2	100	0.00
58		1,1,1,2-tetrachloroethane	0.398	0.385	3.3	100	0.00
59	C	ethylbenzene	2.407	2.302	4.4	100	0.00
60		m+p-xylene	0.886	0.874	1.4	100	0.00
61		o-xylene	0.840	0.825	1.8	100	0.00
62		styrene	1.409	1.403	0.4	100	0.00
63	P	bromoform	0.252	0.239	5.2	100	0.00
64	S	#4-Bromofluorobenzene	0.495	0.499	-0.8	100	0.00
65	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
66		isopropylbenzene	4.630	4.422	4.5	100	0.00
67		bromobenzene	1.821	1.719	5.6	100	0.00
68	P	1,1,2,2-tetrachloroethane	1.196	1.143	4.4	100	0.00
69		1,2,3-trichloropropane	0.317	0.307	3.2	100	0.00
70		1,4-dichloro-2-butene	0.264	0.275	-4.2	100	0.00
71		n-propylbenzene	1.244	1.208	2.9	100	0.00
72		2-chlorotoluene	1.091	1.029	5.7	100	0.00
73		1,3,5-trimethylbenzene	3.985	3.923	1.6	100	0.00
74		4-chlorotoluene	3.772	3.660	3.0	100	0.00
75		tert-butylbenzene	3.421	3.223	5.8	100	0.00
76		1,2,4-trimethylbenzene	3.863	3.784	2.0	100	0.00
77		sec-butylbenzene	5.083	5.022	1.2	100	0.00
78		1,3-dichlorobenzene	2.178	2.124	2.5	100	0.00
79		4-isopropyltoluene	4.229	4.116	2.7	100	0.00
80		1,4-dichlorobenzene	2.180	2.112	3.1	100	0.00
81		1,2-dichlorobenzene	1.990	1.933	2.9	100	0.00
82		n-butylbenzene	3.965	3.988	-0.6	100	0.00
83		hexachloroethane	0.462	0.446	3.5	100	0.00
84		1,2-dibromo-3-chloropropane	0.172	0.171	0.6	100	0.00
85		1,2,4-trichlorobenzene	1.064	1.015	4.6	100	0.00
86		hexachlorobutadiene	0.817	0.831	-1.7	100	0.00
87		naphthalene	1.988	1.564	21.3	100	0.00
88		1,2,3-trichlorobenzene	0.938	0.849	9.5	100	0.00
89		2-methylnaphthalene	0.672	0.394	41.4#	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 20P1008.D
Acq On : 08 Oct 2014 10:47
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 08 16:16:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001611

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 20P1008.D
Acq On : 08 Oct 2014 10:47
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 08 16:16:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	392692	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	274590	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	137305	40.00	ug/L		0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.101	111	98251	40.30	ug/L		0.00
Spiked Amount 40.000			Recovery =	100.75%			
37) #1,2-Dichloroethane-d4	5.696	67	56893	39.74	ug/L		0.00
Spiked Amount 40.000			Recovery =	99.35%			
46) #Toluene-d8	8.654	98	380974	40.12	ug/L		0.00
Spiked Amount 40.000			Recovery =	100.30%			
64) #4-Bromofluorobenzene	12.083	95	137005	40.32	ug/L		0.00
Spiked Amount 40.000			Recovery =	100.80%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.066	85	72878	20.08	ug/L		99
3) chloromethane	1.190	50	94328	18.74	ug/L		99
4) vinyl chloride	1.260	62	89990	19.66	ug/L		98
5) bromomethane	1.490	94	53809	19.07	ug/L		99
6) chloroethane	1.560	64	51047	19.64	ug/L		98
7) dichlorofluoromethane	1.707	67	128632	19.40	ug/L		99
8) trichlorofluoromethane	1.749	101	106806	19.45	ug/L		98
9) ethyl ether	1.978	74	39693	19.05	ug/L		99
10) acrolein	2.090	56	12162	21.12	ug/L	#	98
11) 1,1,2-trichloro-1,2,2-...	2.166	101	63927	18.96	ug/L		98
12) 1,1-dichloroethene	2.155	96	59634	19.34	ug/L		98
13) acetone	2.231	43	25745	19.04	ug/L		92
14) iodomethane	2.284	142	33795	15.88	ug/L		99
15) carbon disulfide	2.337	76	140819	17.88	ug/L		99
16) methyl acetate	2.531	43	54970	20.35	ug/L		99
17) methylene chloride	2.607	49	108449	19.90	ug/L		100
18) acrylonitrile	2.884	53	29480	21.60	ug/L		95
19) trans-1,2-dichloroethene	2.890	96	64357	18.48	ug/L		98
20) methyl (tert) butyl ether	2.919	73	165942	19.47	ug/L		100
21) 1,1-dichloroethane	3.384	63	117644	19.19	ug/L		99
22) vinyl acetate	3.502	43	88400	18.64	ug/L		100
23) 2,2-dichloropropane	4.201	77	69025	19.12	ug/L		100
24) cis-1,2-dichloroethene	4.219	96	69479	19.02	ug/L		100
25) 2-butanone (MEK)	4.319	43	27688	17.95	ug/L		97
26) bromochloromethane	4.613	49	56965	19.25	ug/L		99
27) tetrahydrofuran	4.737	71	8621	20.01	ug/L		99
28) chloroform	4.801	83	113715	19.15	ug/L		99
30) 1,1,1-trichloroethane	5.084	97	85186	18.59	ug/L		96
31) cyclohexane	5.160	56	119476	19.15	ug/L		99
32) carbon tetrachloride	5.384	117	68588	19.40	ug/L		99
33) 1,1-dichloropropene	5.401	75	90564	18.91	ug/L		99
34) benzene	5.760	78	267019	19.57	ug/L		96
35) 1,2-dichloroethane	5.825	62	79995	19.64	ug/L		99
36) heptane	0.000		0	N.D.			
38) trichloroethene	6.854	130	69759	19.25	ug/L		98

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : 20P1008.D
Acq On : 08 Oct 2014 10:47
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 08 16:16:07 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	122451	19.31	ug/L		99
40) 1,2-dichloropropane	7.195	63	67191	19.22	ug/L		98
41) dibromomethane	7.366	93	38090	19.69	ug/L		99
42) bromodichloromethane	7.648	83	73892	19.38	ug/L		99
43) 2-chloroethyl vinyl ether	8.160	63	11125	17.79	ug/L		93
44) cis-1,3-dichloropropene	8.307	75	83175	19.52	ug/L		97
45) 4-methyl-2-pentanone (...	8.584	43	57252	19.08	ug/L		99
47) toluene	8.742	91	285473	19.41	ug/L		100
48) trans-1,3-dichloropropene	9.101	75	61781	19.24	ug/L		98
49) 1,1,2-trichloroethane	9.331	83	49441	19.49	ug/L		99
51) tetrachloroethene	9.466	166	77537	19.32	ug/L		99
52) 1,3-dichloropropane	9.536	76	98445	19.33	ug/L		99
53) 2-hexanone (MBK)	9.731	43	42349	19.27	ug/L		98
54) dibromochloromethane	9.825	129	50318	18.88	ug/L		99
55) 1,2-dibromoethane	9.936	109	49011	19.78	ug/L	#	100
56) chlorobenzene	10.595	112	176072	19.05	ug/L		98
57) 1-chlorohexane	10.636	55	69149	18.57	ug/L		99
58) 1,1,1,2-tetrachloroethane	10.725	131	52868	19.35	ug/L		99
59) ethylbenzene	10.772	91	316037	19.13	ug/L		99
60) m+p-xylene	10.931	106	240109	39.46	ug/L		96
61) o-xylene	11.430	106	113301	19.66	ug/L		96
62) styrene	11.454	104	192606	19.91	ug/L		100
63) bromoform	11.654	173	32761	18.94	ug/L		96
66) isopropylbenzene	11.913	105	303590	19.10	ug/L		100
67) bromobenzene	12.242	77	118029	18.88	ug/L		100
68) 1,1,2,2-tetrachloroethane	12.319	83	78500	19.12	ug/L	#	98
69) 1,2,3-trichloropropane	12.342	110	21102	19.37	ug/L		95
70) 1,4-dichloro-2-butene	12.389	53	18855	20.83	ug/L	#	83
71) n-propylbenzene	12.436	120	82963	19.42	ug/L		99
72) 2-chlorotoluene	12.507	126	70669	18.86	ug/L		95
73) 1,3,5-trimethylbenzene	12.672	105	269291	19.69	ug/L		99
74) 4-chlorotoluene	12.648	91	251259	19.41	ug/L		98
75) tert-butylbenzene	13.066	119	221290	18.85	ug/L		97
76) 1,2,4-trimethylbenzene	13.125	105	259795	19.59	ug/L		99
77) sec-butylbenzene	13.342	105	344751	19.76	ug/L		98
78) 1,3-dichlorobenzene	13.436	146	145806	19.50	ug/L		98
79) 4-isopropyltoluene	13.536	119	282584	19.47	ug/L		99
80) 1,4-dichlorobenzene	13.554	146	145017	19.38	ug/L		98
81) 1,2-dichlorobenzene	14.007	146	132696	19.43	ug/L		100
82) n-butylbenzene	14.048	91	273784	20.12	ug/L		99
83) hexachloroethane	14.313	201	30615	19.32	ug/L		98
84) 1,2-dibromo-3-chloropr...	14.983	157	11745	19.95	ug/L		89
85) 1,2,4-trichlorobenzene	16.007	180	69679	19.12	ug/L		99
86) hexachlorobutadiene	16.242	225	57064	20.34	ug/L		98
87) naphthalene	16.295	128	107371	18.28	ug/L		99
88) 1,2,3-trichlorobenzene	16.595	180	58303	18.91	ug/L		98
89) 2-methylnaphthalene	17.695	142	27056	18.00	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J09046-CCV1
Lab File ID: CCV1009.D
Injection Date: 10/09/14
Injection Time: 07:54
Calibration Date: 10/08/14 00:00
Calibration: 4J08013
Sequence: 4J09046
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	L	20.0	18.2	0.1448911	0.1266464	0.1	-9.2	20	
Acrolein	L	20.0	18.5	7.304604E-02	5.441671E-02	0.1	-7.5	20	
Acrylonitrile	L	20.0	20.4	0.1553998	0.1418289	0.1	2.2	20	
Benzene	A	20.0	19.8	1.390115	1.375287	0.5	-1.1	20	
Bromobenzene	A	20.0	18.2	1.820878	1.661504	0.1	-8.8	20	
Bromochloromethane	A	20.0	19.7	0.3014128	0.2963904	0.1	-1.7	20	
Bromodichloromethane	A	20.0	19.8	0.3883664	0.3852958	0.2	-0.8	20	
Bromoform	A	20.0	19.6	0.2519575	0.2462812	0.1	-2.3	20	
Bromomethane	A	20.0	20.9	0.2873604	0.3007639	0.1	4.7	20	
n-Butylbenzene	A	20.0	19.0	3.965131	3.775299	0.1	-4.8	20	
sec-Butylbenzene	A	20.0	19.1	5.082617	4.860196	0.1	-4.4	20	
tert-Butylbenzene	A	20.0	18.3	3.420517	3.125517	0.1	-8.6	20	
Carbon Disulfide	A	20.0	18.5	0.8024155	0.7435692	0.1	-7.3	20	
Carbon Tetrachloride	A	20.0	20.3	0.3602106	0.3654741	0.1	1.5	20	
Chlorobenzene	A	20.0	19.3	1.346552	1.299896	0.5	-3.5	20	
Chloroethane	A	20.0	19.2	0.2646889	0.2538614	0.1	-4.1	20	
2-Chloroethyl Vinyl Ether	A	20.0	14.2	6.371378E-02	4.517543E-02	0.1	-29.1	20	*
Chloroform	A	20.0	19.8	0.6047168	0.5989292	0.2	-1.0	20	
Chloromethane	A	20.0	19.5	0.5126582	0.4996825	0.1	-2.5	20	
2-Chlorotoluene	A	20.0	18.5	1.091419	1.009839	0.1	-7.5	20	
4-Chlorotoluene	A	20.0	18.9	3.771624	3.562011	0.1	-5.6	20	
Cyclohexane	A	20.0	19.1	0.6353486	0.6077932	0.1	-4.3	20	
1,2-Dibromo-3-chloropropane	A	20.0	20.2	0.1715079	0.1734881	0.05	1.2	20	
Dibromochloromethane	A	20.0	19.9	0.3883317	0.3858252	0.1	-0.6	20	
1,2-Dibromoethane	A	20.0	18.6	0.36098	0.3358156	0.1	-7.0	20	
Dibromomethane	A	20.0	20.1	0.1970514	0.1982384	0.1	0.6	20	
trans-1,4-Dichloro-2-butene	A	20.0	18.2	0.2637036	0.2403248	0.1	-8.9	20	
1,2-Dichlorobenzene	A	20.0	18.9	1.989997	1.87656	0.4	-5.7	20	
1,3-Dichlorobenzene	A	20.0	18.6	2.177821	2.028747	0.6	-6.8	20	

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J09046-CCV1
Lab File ID: CCV1009.D
Injection Date: 10/09/14
Injection Time: 07:54
Calibration Date: 10/08/14 00:00
Calibration: 4J08013
Sequence: 4J09046
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	20.0	18.9	2.180036	2.057192	0.5	-5.6	20	
Dichlorodifluoromethane	A	20.0	20.9	0.3696883	0.3860982	0.1	4.4	20	
1,1-Dichloroethane	A	20.0	20.0	0.6244901	0.6229066	0.1	-0.3	20	
1,2-Dichloroethane	A	20.0	19.5	0.4148016	0.4048518	0.2	-2.4	20	
1,1-Dichloroethene	A	20.0	20.1	0.3140714	0.3159783	0.1	0.6	20	
cis-1,2-Dichloroethene	A	20.0	19.3	0.3721679	0.3598942	0.1	-3.3	20	
trans-1,2-Dichloroethene	A	20.0	19.7	0.3546965	0.3496699	0.1	-1.4	20	
Dichlorofluoromethane	A	20.0	20.1	0.6754687	0.6784605	0.1	0.4	20	
1,2-Dichloropropane	A	20.0	20.0	0.3560026	0.3560149	0.1	0.003	20	
1,3-Dichloropropane	A	20.0	19.2	0.7419202	0.7130543	0.1	-3.9	20	
2,2-Dichloropropane	A	20.0	20.3	0.3676523	0.3725047	0.1	1.3	20	
1,1-Dichloropropene	A	20.0	19.8	0.4877532	0.4825391	0.1	-1.1	20	
cis-1,3-Dichloropropene	A	20.0	19.8	0.4340275	0.4303171	0.2	-0.9	20	
trans-1,3-Dichloropropene	A	20.0	20.1	0.3270162	0.3280573	0.2	0.3	20	
Ethylbenzene	A	20.0	19.2	2.407085	2.304959	0.1	-4.2	20	
Ethyl Ether	A	20.0	19.1	0.2122534	0.2031486	0.1	-4.3	20	
Hexachlorobutadiene	A	20.0	20.1	0.8173056	0.8220202	0.1	0.6	20	
Hexachloroethane	A	20.0	19.0	0.4616234	0.4384347	0.1	-5.0	20	
2-Hexanone	A	20.0	16.3	0.3201258	0.2610255	0.1	-18.5	20	
Iodomethane	L	20.0	13.0	0.2165621	0.1217893	0.1	-34.8	20	*
Isopropylbenzene	A	20.0	18.5	4.63027	4.29056	0.1	-7.3	20	
4-Isopropyltoluene	A	20.0	19.3	4.22915	4.08121	0.1	-3.5	20	
Methyl Acetate	A	20.0	18.8	0.2751802	0.2589417	0.1	-5.9	20	
Methyl tert-Butyl Ether	A	20.0	19.6	0.8680496	0.8520625	0.1	-1.8	20	
Methylcyclohexane	A	20.0	19.2	0.6458306	0.6186871	0.1	-4.2	20	
Methylene Chloride	L	20.0	26.4	0.9023238	0.7033094	0.1	32.0	20	*
2-Butanone (MEK)	A	20.0	17.9	0.1570979	0.1407341	0.1	-10.4	20	
2-Methylnaphthalene	Q	20.0	14.2	0.6718357	0.3021452	0.1	-29.2	20	*
4-Methyl-2-pentanone (MIBK)	A	20.0	16.9	0.3056329	0.2580383	0.1	-15.6	20	

CONTINUING CALIBRATION CHECK
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J09046-CCV1
Lab File ID: CCV1009.D
Injection Date: 10/09/14
Injection Time: 07:54
Calibration Date: 10/08/14 00:00
Calibration: 4J08013
Sequence: 4J09046
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Naphthalene	Q	20.0	15.0	1.987861	1.234554	0.1	-25.0	20 *
n-Propylbenzene	A	20.0	19.1	1.244364	1.189766	0.1	-4.4	20
Styrene	A	20.0	20.0	1.408921	1.406925	0.3	-0.1	20
1,1,1,2-Tetrachloroethane	A	20.0	20.0	0.3979762	0.3982304	0.1	0.06	20
1,1,2,2-Tetrachloroethane	A	20.0	17.4	1.196135	1.040023	0.3	-13.1	20
Tetrachloroethene	A	20.0	19.3	0.5846994	0.5653199	0.2	-3.3	20
Tetrahydrofuran	A	20.0	18.2	0.0438913	3.991444E-02	0.1	-9.1	20
Toluene	A	20.0	19.8	1.497957	1.483121	0.4	-1.0	20
1,2,3-Trichlorobenzene	Q	20.0	17.8	0.9380999	0.7898954	0.1	-11.2	20
1,2,4-Trichlorobenzene	Q	20.0	17.8	1.063696	0.9356714	0.2	-11.0	20
1,1,1-Trichloroethane	A	20.0	19.9	0.4667933	0.464572	0.1	-0.5	20
1,1,2-Trichloroethane	A	20.0	19.6	0.2583933	0.2534788	0.1	-1.9	20
Trichloroethene	A	20.0	19.1	0.3692052	0.3524757	0.2	-4.5	20
Trichlorofluoromethane	A	20.0	20.4	0.5594245	0.5715986	0.1	2.2	20
1,2,3-Trichloropropane	A	20.0	18.9	0.3174164	0.2997017	0.1	-5.6	20
1,1,2-Trichloro-1,2,2-trifluoroethane	A	20.0	19.9	0.343414	0.3417359	0.1	-0.5	20
1,2,4-Trimethylbenzene	A	20.0	18.7	3.863114	3.609515	0.1	-6.6	20
1,3,5-Trimethylbenzene	A	20.0	18.7	3.985057	3.72906	0.1	-6.4	20
Vinyl Acetate	A	20.0	17.8	0.4829817	0.4302374	0.1	-10.9	20
Vinyl Chloride	A	20.0	20.3	0.4661682	0.4737655	0.1	1.6	20
Xylene (Total)	A	60.0	58.5	0.8707589	0.8495293	0.1	-2.4	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : CCV1009.D
Acq On : 09 Oct 2014 07:54
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 09 08:16:04 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	96	0.00
2		dichlorodifluoromethane	0.370	0.386	-4.3	100	0.00
3	P	chloromethane	0.513	0.500	2.5	100	0.00
4	C	vinyl chloride	0.466	0.474	-1.7	99	0.00
5		bromomethane	0.287	0.301	-4.9	105	0.00
6		chloroethane	0.265	0.254	4.2	94	0.00
7		dichlorofluoromethane	0.675	0.678	-0.4	99	0.00
8		trichlorofluoromethane	0.559	0.572	-2.3	101	0.00
9		ethyl ether	0.212	0.203	4.2	96	0.00
10		acrolein	0.073	0.054	26.0#	84	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.343	0.342	0.3	101	0.00
12	C	1,1-dichloroethene	0.314	0.316	-0.6	100	0.00
13		acetone	0.145	0.127	12.4	91	0.00
14		iodomethane	0.217	0.122	43.8#	68	0.00
15		carbon disulfide	0.802	0.744	7.2	99	0.00
16		methyl acetate	0.275	0.259	5.8	89	0.00
17		methylene chloride	0.902	0.703	22.1	122	0.00
18		acrylonitrile	0.155	0.142	8.4	91	0.00
19		trans-1,2-dichloroethene	0.355	0.350	1.4	102	0.00
20		methyl (tert) butyl ether	0.868	0.852	1.8	97	0.00
21	P	1,1-dichloroethane	0.624	0.623	0.2	100	0.00
22		vinyl acetate	0.483	0.430	11.0	92	0.00
23		2,2-dichloropropane	0.368	0.373	-1.4	102	0.00
24		cis-1,2-dichloroethene	0.372	0.360	3.2	97	0.00
25		2-butanone (MEK)	0.157	0.141	10.2	94	0.00
26		bromochloromethane	0.301	0.296	1.7	98	0.00
27		tetrahydrofuran	0.044	0.040	9.1	87	0.01
28	C	chloroform	0.605	0.599	1.0	99	0.00
29	S	#Dibromofluoromethane	0.248	0.259	-4.4	99	0.00
30		1,1,1-trichloroethane	0.467	0.465	0.4	103	0.00
31		cyclohexane	0.635	0.608	4.3	96	0.00
32		carbon tetrachloride	0.360	0.365	-1.4	100	0.00
33		1,1-dichloropropene	0.488	0.483	1.0	100	0.00
34		benzene	1.390	1.375	1.1	97	0.00
35		1,2-dichloroethane	0.415	0.405	2.4	95	0.00
36		heptane	0.000	0.000	0.0	0#	-5.95#
37	s	#1,2-Dichloroethane-d4	0.146	0.153	-4.8	101	0.00
38		trichloroethene	0.369	0.352	4.6	95	0.00
39		methylcyclohexane	0.646	0.619	4.2	95	0.00
40	C	1,2-dichloropropane	0.356	0.356	0.0	100	0.00
41		dibromomethane	0.197	0.198	-0.5	98	0.00
42		bromodichloromethane	0.388	0.385	0.8	98	0.00
43		2-chloroethyl vinyl ether	0.064	0.045	29.7#	76	0.00
44		cis-1,3-dichloropropene	0.434	0.430	0.9	97	0.00
45		4-methyl-2-pentanone (MIBK)	0.306	0.258	15.7	85	0.00
46	s	#Toluene-d8	0.967	0.983	-1.7	97	0.00
47	C	toluene	1.498	1.483	1.0	98	0.00

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : CCV1009.D
Acq On : 09 Oct 2014 07:54
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 09 08:16:04 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

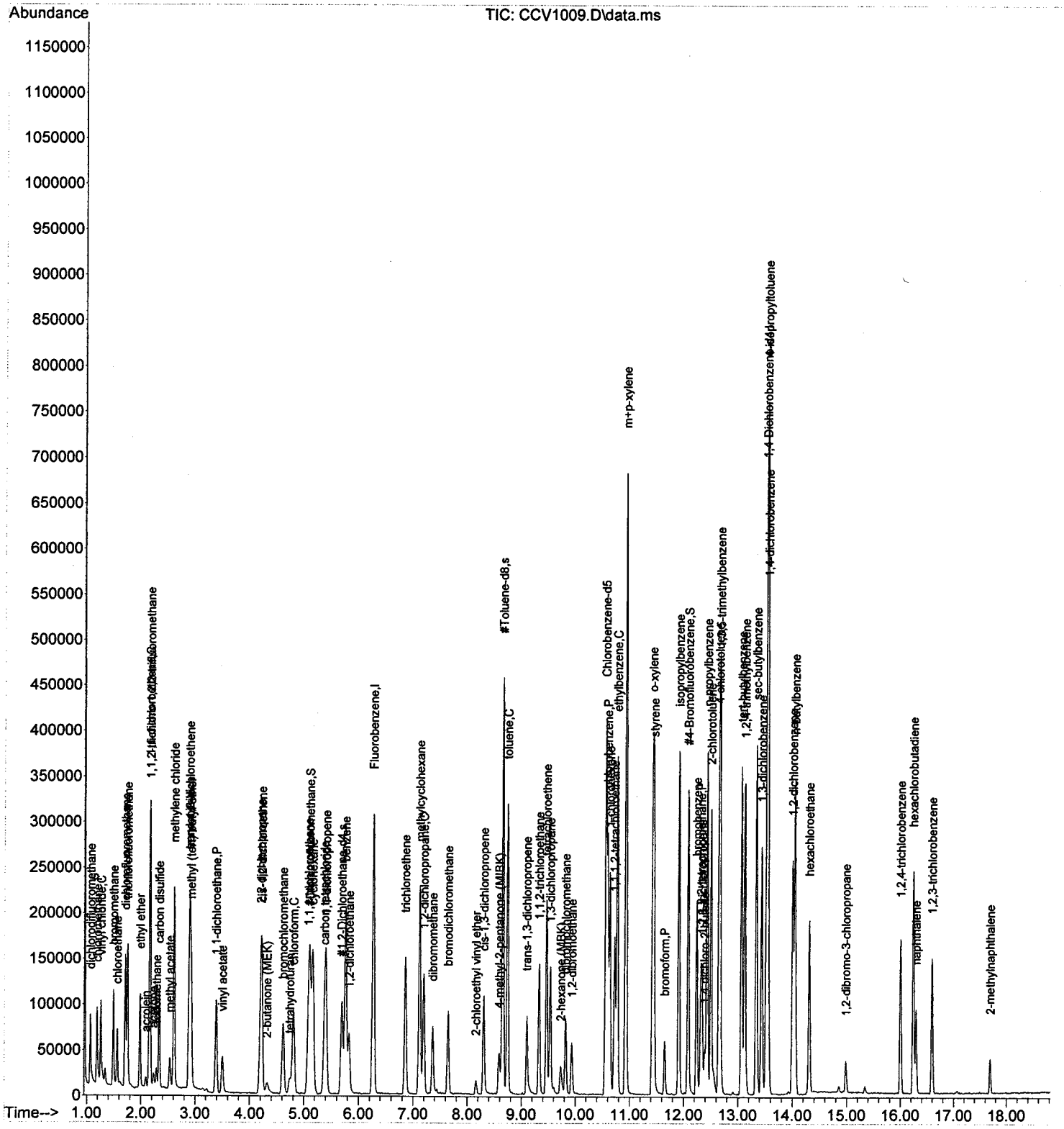
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		trans-1,3-dichloropropene	0.327	0.328	-0.3	100	0.00
49		1,1,2-trichloroethane	0.258	0.253	1.9	96	0.00
50		Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
51		tetrachloroethene	0.585	0.565	3.4	98	0.00
52		1,3-dichloropropane	0.742	0.713	3.9	97	0.00
53		2-hexanone (MBK)	0.320	0.261	18.4	82	0.00
54		dibromochloromethane	0.388	0.386	0.5	103	0.00
55		1,2-dibromoethane	0.361	0.336	6.9	92	0.00
56	P	chlorobenzene	1.347	1.300	3.5	99	0.00
57		1-chlorohexane	0.543	0.516	5.0	100	0.00
58		1,1,1,2-tetrachloroethane	0.398	0.398	0.0	101	0.00
59	C	ethylbenzene	2.407	2.305	4.2	98	0.00
60		m+p-xylene	0.886	0.863	2.6	96	0.00
61		o-xylene	0.840	0.823	2.0	97	0.00
62		styrene	1.409	1.407	0.1	98	0.00
63	P	bromoform	0.252	0.246	2.4	101	0.00
64	S	#4-Bromofluorobenzene	0.495	0.511	-3.2	100	0.00
65	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
66		isopropylbenzene	4.630	4.291	7.3	98	0.00
67		bromobenzene	1.821	1.662	8.7	98	0.00
68	P	1,1,2,2-tetrachloroethane	1.196	1.040	13.0	92	0.00
69		1,2,3-trichloropropane	0.317	0.300	5.4	99	0.00
70		1,4-dichloro-2-butene	0.264	0.240	9.1	89	0.00
71		n-propylbenzene	1.244	1.190	4.3	100	0.00
72		2-chlorotoluene	1.091	1.010	7.4	99	0.00
73		1,3,5-trimethylbenzene	3.985	3.729	6.4	96	0.00
74		4-chlorotoluene	3.772	3.562	5.6	99	0.00
75		tert-butylbenzene	3.421	3.126	8.6	98	0.00
76		1,2,4-trimethylbenzene	3.863	3.610	6.5	97	0.00
77		sec-butylbenzene	5.083	4.860	4.4	98	0.00
78		1,3-dichlorobenzene	2.178	2.029	6.8	97	0.00
79		4-isopropyltoluene	4.229	4.081	3.5	100	0.00
80		1,4-dichlorobenzene	2.180	2.057	5.6	99	0.00
81		1,2-dichlorobenzene	1.990	1.877	5.7	98	0.00
82		n-butylbenzene	3.965	3.775	4.8	96	0.00
83		hexachloroethane	0.462	0.438	5.2	100	0.00
84		1,2-dibromo-3-chloropropane	0.172	0.173	-0.6	103	0.00
85		1,2,4-trichlorobenzene	1.064	0.936	12.0	93	0.00
86		hexachlorobutadiene	0.817	0.822	-0.6	100	0.00
87		naphthalene	1.988	1.235	37.9#	80	0.00
88		1,2,3-trichlorobenzene	0.938	0.790	15.8	94	0.00
89		2-methylnaphthalene	0.672	0.302	55.1#	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

001618

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : CCV1009.D
Acq On : 09 Oct 2014 07:54
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 09 08:16:04 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : CCV1009.D
Acq On : 09 Oct 2014 07:54
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 09 08:16:04 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	376355	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	267629	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	139145	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	97294	41.64	ug/L	0.00
Spiked Amount 40.000			Recovery =	104.10%		
37) #1,2-Dichloroethane-d4	5.690	67	57396	41.84	ug/L	0.00
Spiked Amount 40.000			Recovery =	104.60%		
46) #Toluene-d8	8.654	98	369941	40.65	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.62%		
64) #4-Bromofluorobenzene	12.084	95	136887	41.33	ug/L	0.00
Spiked Amount 40.000			Recovery =	103.33%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	72655	20.89	ug/L	96
3) chloromethane	1.190	50	94029	19.49	ug/L	100
4) vinyl chloride	1.261	62	89152	20.33	ug/L	100
5) bromomethane	1.490	94	56597	20.93	ug/L	97
6) chloroethane	1.561	64	47771	19.18	ug/L	99
7) dichlorofluoromethane	1.708	67	127671	20.09	ug/L	99
8) trichlorofluoromethane	1.749	101	107562	20.44	ug/L	99
9) ethyl ether	1.984	74	38228	19.14	ug/L	97
10) acrolein	2.090	56	10240	18.50	ug/L #	95
11) 1,1,2-trichloro-1,2,2-...	2.166	101	64307	19.90	ug/L	99
12) 1,1-dichloroethene	2.161	96	59460	20.12	ug/L	97
13) acetone	2.231	43	23832	18.17	ug/L	95
14) iodomethane	2.290	142	22918	13.03	ug/L	97
15) carbon disulfide	2.337	76	139923	18.53	ug/L	100
16) methyl acetate	2.531	43	48727	18.82	ug/L	100
17) methylene chloride	2.608	49	132347	26.40	ug/L	99
18) acrylonitrile	2.890	53	26689	20.43	ug/L	96
19) trans-1,2-dichloroethene	2.890	96	65800	19.72	ug/L	95
20) methyl (tert) butyl ether	2.919	73	160339	19.63	ug/L	98
21) 1,1-dichloroethane	3.384	63	117217	19.95	ug/L	98
22) vinyl acetate	3.502	43	80961	17.82	ug/L	99
23) 2,2-dichloropropane	4.207	77	70097	20.26	ug/L	98
24) cis-1,2-dichloroethene	4.225	96	67724	19.34	ug/L	99
25) 2-butanone (MEK)	4.319	43	26483	17.92	ug/L	90
26) bromochloromethane	4.613	49	55774	19.67	ug/L	99
27) tetrahydrofuran	4.737	71	7511	18.19	ug/L	96
28) chloroform	4.807	83	112705	19.81	ug/L	100
30) 1,1,1-trichloroethane	5.084	97	87422	19.90	ug/L	99
31) cyclohexane	5.160	56	114373	19.13	ug/L	99
32) carbon tetrachloride	5.378	117	68774	20.29	ug/L	100
33) 1,1-dichloropropene	5.407	75	90803	19.79	ug/L	99
34) benzene	5.760	78	258798	19.79	ug/L	96
35) 1,2-dichloroethane	5.825	62	76184	19.52	ug/L	98
36) heptane	0.000		0	N.D.		
38) trichloroethene	6.854	130	66328	19.09	ug/L	99

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : CCV1009.D
Acq On : 09 Oct 2014 07:54
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 09 08:16:04 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	116423	19.16	ug/L		95
40)	1,2-dichloropropane	7.196	63	66994	20.00	ug/L		99
41)	dibromomethane	7.366	93	37304	20.12	ug/L		98
42)	bromodichloromethane	7.648	83	72504	19.84	ug/L		99
43)	2-chloroethyl vinyl ether	8.160	63	8501	14.18	ug/L		95
44)	cis-1,3-dichloropropene	8.307	75	80976	19.83	ug/L		99
45)	4-methyl-2-pentanone (...	8.590	43	48557	16.89	ug/L		99
47)	toluene	8.743	91	279090	19.80	ug/L		100
48)	trans-1,3-dichloropropene	9.101	75	61733	20.06	ug/L		99
49)	1,1,2-trichloroethane	9.331	83	47699	19.62	ug/L		98
51)	tetrachloroethene	9.466	166	75648	19.34	ug/L		98
52)	1,3-dichloropropane	9.537	76	95417	19.22	ug/L		99
53)	2-hexanone (MBK)	9.731	43	34929	16.31	ug/L		96
54)	dibromochloromethane	9.825	129	51629	19.87	ug/L		97
55)	1,2-dibromoethane	9.937	109	44937	18.61	ug/L	#	100
56)	chlorobenzene	10.595	112	173945	19.31	ug/L		98
57)	1-chlorohexane	10.637	55	69053	19.02	ug/L		99
58)	1,1,1,2-tetrachloroethane	10.725	131	53289	20.01	ug/L		97
59)	ethylbenzene	10.772	91	308437	19.15	ug/L		97
60)	m+p-xylene	10.931	106	230909	38.94	ug/L		100
61)	o-xylene	11.431	106	110129	19.60	ug/L		97
62)	styrene	11.454	104	188267	19.97	ug/L		98
63)	bromoform	11.654	173	32956	19.55	ug/L		99
66)	isopropylbenzene	11.913	105	298505	18.53	ug/L		100
67)	bromobenzene	12.242	77	115595	18.25	ug/L		99
68)	1,1,2,2-tetrachloroethane	12.319	83	72357	17.39	ug/L	#	100
69)	1,2,3-trichloropropane	12.342	110	20851	18.88	ug/L		98
70)	1,4-dichloro-2-butene	12.389	53	16720	18.23	ug/L		97
71)	n-propylbenzene	12.436	120	82775	19.12	ug/L		95
72)	2-chlorotoluene	12.507	126	70257	18.51	ug/L		96
73)	1,3,5-trimethylbenzene	12.672	105	259440	18.72	ug/L		100
74)	4-chlorotoluene	12.648	91	247818	18.89	ug/L		97
75)	tert-butylbenzene	13.066	119	217450	18.28	ug/L		99
76)	1,2,4-trimethylbenzene	13.131	105	251123	18.69	ug/L		99
77)	sec-butylbenzene	13.342	105	338136	19.12	ug/L		99
78)	1,3-dichlorobenzene	13.436	146	141145	18.63	ug/L		100
79)	4-isopropyltoluene	13.536	119	283940	19.30	ug/L		99
80)	1,4-dichlorobenzene	13.554	146	143124	18.87	ug/L		98
81)	1,2-dichlorobenzene	14.007	146	130557	18.86	ug/L		99
82)	n-butylbenzene	14.048	91	262657	19.04	ug/L		100
83)	hexachloroethane	14.313	201	30503	19.00	ug/L		99
84)	1,2-dibromo-3-chloropr...	14.983	157	12070	20.23	ug/L		97
85)	1,2,4-trichlorobenzene	16.007	180	65097	17.79	ug/L		98
86)	hexachlorobutadiene	16.242	225	57190	20.12	ug/L		97
87)	naphthalene	16.295	128	85891	14.99	ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	54955	17.76	ug/L		99
89)	2-methylnaphthalene	17.695	142	21021	14.17	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J10037-CCV1
Lab File ID: CCV1010A.D
Injection Date: 10/10/14
Injection Time: 08:19
Calibration Date: 10/08/14 00:00
Calibration: 4J08013
Sequence: 4J10037
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	20.0	27.1	0.1448911	0.1728084	0.1	35.4	20 *
Acrolein	L	20.0	21.7	7.304604E-02	6.375317E-02	0.1	8.7	20
Acrylonitrile	L	20.0	21.6	0.1553998	0.1499799	0.1	7.9	20
Benzene	A	20.0	21.0	1.390115	1.458623	0.5	4.9	20
Bromobenzene	A	20.0	19.4	1.820878	1.768855	0.1	-2.9	20
Bromochloromethane	A	20.0	20.3	0.3014128	0.3053675	0.1	1.3	20
Bromodichloromethane	A	20.0	21.9	0.3883664	0.4257359	0.2	9.6	20
Bromoform	A	20.0	22.7	0.2519575	0.2857246	0.1	13.4	20
Bromomethane	A	20.0	20.0	0.2873604	0.287429	0.1	0.02	20
n-Butylbenzene	A	20.0	19.8	3.965131	3.915744	0.1	-1.2	20
sec-Butylbenzene	A	20.0	20.2	5.082617	5.135157	0.1	1.0	20
tert-Butylbenzene	A	20.0	19.1	3.420517	3.259655	0.1	-4.7	20
Carbon Disulfide	A	20.0	22.9	0.8024155	0.9199327	0.1	14.6	20
Carbon Tetrachloride	A	20.0	23.1	0.3602106	0.415241	0.1	15.3	20
Chlorobenzene	A	20.0	20.2	1.346552	1.359319	0.5	0.9	20
Chloroethane	A	20.0	19.9	0.2646889	0.2629935	0.1	-0.6	20
2-Chloroethyl Vinyl Ether	A	20.0	13.7	6.371378E-02	4.372463E-02	0.1	-31.4	20 *
Chloroform	A	20.0	20.5	0.6047168	0.6186517	0.2	2.3	20
1-Chlorohexane	A	20.0	19.4	0.5425341	0.5255291	0.1	-3.1	20
Chloromethane	A	20.0	19.5	0.5126582	0.5001812	0.1	-2.4	20
2-Chlorotoluene	A	20.0	19.8	1.091419	1.080323	0.1	-1.0	20
4-Chlorotoluene	A	20.0	20.3	3.771624	3.822325	0.1	1.3	20
Cyclohexane	A	20.0	19.7	0.6353486	0.6251833	0.1	-1.6	20
1,2-Dibromo-3-chloropropane	A	20.0	22.8	0.1715079	0.1959299	0.05	14.2	20
Dibromochloromethane	A	20.0	22.4	0.3883317	0.4349179	0.1	12.0	20
1,2-Dibromoethane	A	20.0	21.0	0.36098	0.3798786	0.1	5.2	20
Dibromomethane	A	20.0	20.4	0.1970514	0.2006502	0.1	1.8	20
trans-1,4-Dichloro-2-butene	A	20.0	20.5	0.2637036	0.2702722	0.1	2.5	20
1,2-Dichlorobenzene	A	20.0	20.2	1.989997	2.005013	0.4	0.8	20

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J10037-CCV1
Injection Date: 10/10/14
Calibration Date: 10/08/14 00:00
Sequence: 4J10037

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: CCV1010A.D
Injection Time: 08:19
Calibration: 4J08013
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3-Dichlorobenzene	A	20.0	19.8	2.177821	2.152333	0.6	-1.2	20
1,4-Dichlorobenzene	A	20.0	20.0	2.180036	2.174542	0.5	-0.3	20
Dichlorodifluoromethane	A	20.0	19.7	0.3696883	0.3637179	0.1	-1.6	20
1,1-Dichloroethane	A	20.0	20.9	0.6244901	0.6518667	0.1	4.4	20
1,2-Dichloroethane	A	20.0	20.6	0.4148016	0.4270619	0.2	3.0	20
1,1-Dichloroethene	A	20.0	20.8	0.3140714	0.3264509	0.1	3.9	20
cis-1,2-Dichloroethene	A	20.0	20.4	0.3721679	0.3794036	0.1	1.9	20
trans-1,2-Dichloroethene	A	20.0	20.4	0.3546965	0.3608194	0.1	1.7	20
1,2-Dichloroethene (Total)	A	40.0	40.7	0.3634322	0.3701115	0.1	1.8	20
Dichlorofluoromethane	A	20.0	20.6	0.6754687	0.6949751	0.1	2.9	20
1,2-Dichloropropane	A	20.0	21.5	0.3560026	0.3824599	0.1	7.4	20
1,3-Dichloropropane	A	20.0	20.9	0.7419202	0.7738996	0.1	4.3	20
2,2-Dichloropropane	A	20.0	22.0	0.3676523	0.403849	0.1	9.8	20
1,1-Dichloropropene	A	20.0	20.5	0.4877532	0.4992347	0.1	2.4	20
cis-1,3-Dichloropropene	A	20.0	21.1	0.4340275	0.45726	0.2	5.4	20
trans-1,3-Dichloropropene	A	20.0	20.9	0.3270162	0.3422401	0.2	4.7	20
1,3-Dichloropropene (Total)	A	40.0	42.0	0.3805219	0.3997501	0.1	5.1	20
Ethylbenzene	A	20.0	20.2	2.407085	2.424613	0.1	0.7	20
Ethyl Ether	A	20.0	20.0	0.2122534	0.2122592	0.1	0.003	20
Hexachlorobutadiene	A	20.0	20.3	0.8173056	0.8284447	0.1	1.4	20
Hexachloroethane	A	20.0	21.8	0.4616234	0.5031434	0.1	9.0	20
2-Hexanone	A	20.0	19.3	0.3201258	0.3086702	0.1	-3.6	20
Iodomethane	L	20.0	17.0	0.2165621	0.1910525	0.1	-15.2	20
Isopropylbenzene	A	20.0	19.6	4.63027	4.530087	0.1	-2.2	20
4-Isopropyltoluene	A	20.0	19.8	4.22915	4.183259	0.1	-1.1	20
Methyl Acetate	A	20.0	20.4	0.2751802	0.2805623	0.1	2.0	20
Methyl tert-Butyl Ether	A	20.0	20.0	0.8680496	0.8703518	0.1	0.3	20
Methylcyclohexane	A	20.0	20.4	0.6458306	0.657575	0.1	1.8	20
Methylene Chloride	L	20.0	30.2	0.9023238	0.7927911	0.1	51.2	20 *

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J10037-CCV1
Lab File ID: CCV1010A.D
Injection Date: 10/10/14
Injection Time: 08:19
Calibration Date: 10/08/14 00:00
Calibration: 4J08013
Sequence: 4J10037
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Butanone (MEK)	A	20.0	18.3	0.1570979	0.1437934	0.1	-8.5	20
2-Methylnaphthalene	Q	20.0	15.3	0.6718357	0.3295204	0.1	-23.4	20 *
4-Methyl-2-pentanone (MIBK)	A	20.0	18.6	0.3056329	0.2843235	0.1	-7.0	20
Naphthalene	Q	20.0	16.4	1.987861	1.377344	0.1	-17.8	20
n-Propylbenzene	A	20.0	19.9	1.244364	1.239687	0.1	-0.4	20
Styrene	A	20.0	20.7	1.408921	1.456009	0.3	3.3	20
1,1,1,2-Tetrachloroethane	A	20.0	22.8	0.3979762	0.4544213	0.1	14.2	20
1,1,2,2-Tetrachloroethane	A	20.0	19.6	1.196135	1.175162	0.3	-1.8	20
Tetrachloroethene	A	20.0	20.8	0.5846994	0.608063	0.2	4.0	20
Tetrahydrofuran	A	20.0	19.0	0.0438913	4.176762E-02	0.1	-4.8	20
Toluene	A	20.0	20.1	1.497957	1.502298	0.4	0.3	20
1,2,3-Trichlorobenzene	Q	20.0	17.8	0.9380999	0.7903198	0.1	-11.2	20
1,2,4-Trichlorobenzene	Q	20.0	18.3	1.063696	0.9672708	0.2	-8.4	20
1,1,1-Trichloroethane	A	20.0	20.9	0.4667933	0.48733	0.1	4.4	20
1,1,2-Trichloroethane	A	20.0	19.4	0.2583933	0.2501719	0.1	-3.2	20
Trichloroethene	A	20.0	20.7	0.3692052	0.3814937	0.2	3.3	20
Trichlorofluoromethane	A	20.0	21.1	0.5594245	0.5901445	0.1	5.5	20
1,2,3-Trichloropropane	A	20.0	19.7	0.3174164	0.3125883	0.1	-1.5	20
1,1,2-Trichloro-1,2,2-trifluoroethane	A	20.0	21.3	0.343414	0.3652411	0.1	6.4	20
1,2,4-Trimethylbenzene	A	20.0	19.4	3.863114	3.757507	0.1	-2.7	20
1,3,5-Trimethylbenzene	A	20.0	19.7	3.985057	3.93049	0.1	-1.4	20
Vinyl Acetate	A	20.0	20.4	0.4829817	0.4918158	0.1	1.8	20
Vinyl Chloride	A	20.0	20.8	0.4661682	0.4858314	0.1	4.2	20
Xylene, Meta + Para	A	40.0	41.7	0.8863355	0.9239805	0.1	4.2	20
Xylene, Ortho	A	20.0	20.5	0.8396056	0.8587259	0.3	2.3	20
Xylene (Total)	A	60.0	62.2	0.8707589	0.9022289	0.1	3.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : CCV1010A.D
Acq On : 10 Oct 2014 08:19
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 10 08:41:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	103	0.00
2		dichlorodifluoromethane	0.370	0.364	1.6	101	0.00
3	P	chloromethane	0.513	0.500	2.5	108	0.00
4	C	vinyl chloride	0.466	0.486	-4.3	110	0.00
5		bromomethane	0.287	0.287	0.0	108	0.00
6		chloroethane	0.265	0.263	0.8	105	0.00
7		dichlorofluoromethane	0.675	0.695	-3.0	110	0.00
8		trichlorofluoromethane	0.559	0.590	-5.5	112	0.00
9		ethyl ether	0.212	0.212	0.0	108	0.00
10		acrolein	0.073	0.064	12.3	106	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.343	0.365	-6.4	116	0.00
12	C	1,1-dichloroethene	0.314	0.326	-3.8	111	0.00
13		acetone	0.145	0.173	-19.3	133	0.00
14		iodomethane	0.217	0.191	12.0	115	0.00
15		carbon disulfide	0.802	0.920	-14.7	133	0.00
16		methyl acetate	0.275	0.281	-2.2	104	0.00
17		methylene chloride	0.902	0.793	12.1	148	0.00
18		acrylonitrile	0.155	0.150	3.2	103	0.00
19		trans-1,2-dichloroethene	0.355	0.361	-1.7	114	0.00
20		methyl (tert) butyl ether	0.868	0.870	-0.2	106	0.00
21	P	1,1-dichloroethane	0.624	0.652	-4.5	112	0.00
22		vinyl acetate	0.483	0.492	-1.9	113	0.00
23		2,2-dichloropropane	0.368	0.404	-9.8	119	0.00
24		cis-1,2-dichloroethene	0.372	0.379	-1.9	111	0.00
25		2-butanone (MEK)	0.157	0.144	8.3	104	0.00
26		bromochloromethane	0.301	0.305	-1.3	109	0.00
27		tetrahydrofuran	0.044	0.042	4.5	98	0.01
28	C	chloroform	0.605	0.619	-2.3	110	0.00
29	S	#Dibromofluoromethane	0.248	0.255	-2.8	105	0.00
30		1,1,1-trichloroethane	0.467	0.487	-4.3	116	0.00
31		cyclohexane	0.635	0.625	1.6	106	0.00
32		carbon tetrachloride	0.360	0.415	-15.3	123	0.00
33		1,1-dichloropropene	0.488	0.499	-2.3	112	0.00
34		benzene	1.390	1.459	-5.0	111	0.00
35		1,2-dichloroethane	0.415	0.427	-2.9	108	0.00
36		heptane	0.000	0.000	0.0	0#	-5.95#
37	s	#1,2-Dichloroethane-d4	0.146	0.147	-0.7	105	0.00
38		trichloroethene	0.369	0.381	-3.3	111	0.00
39		methylcyclohexane	0.646	0.658	-1.9	109	0.00
40	C	1,2-dichloropropane	0.356	0.382	-7.3	115	0.00
41		dibromomethane	0.197	0.201	-2.0	107	0.00
42		bromodichloromethane	0.388	0.426	-9.8	117	0.00
43		2-chloroethyl vinyl ether	0.064	0.044	31.3#	80	0.00
44		cis-1,3-dichloropropene	0.434	0.457	-5.3	111	0.00
45		4-methyl-2-pentanone (MIBK)	0.306	0.284	7.2	101	0.00
46	s	#Toluene-d8	0.967	0.958	0.9	102	0.00
47	C	toluene	1.498	1.502	-0.3	107	0.00

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : CCV1010A.D
Acq On : 10 Oct 2014 08:19
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 10 08:41:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

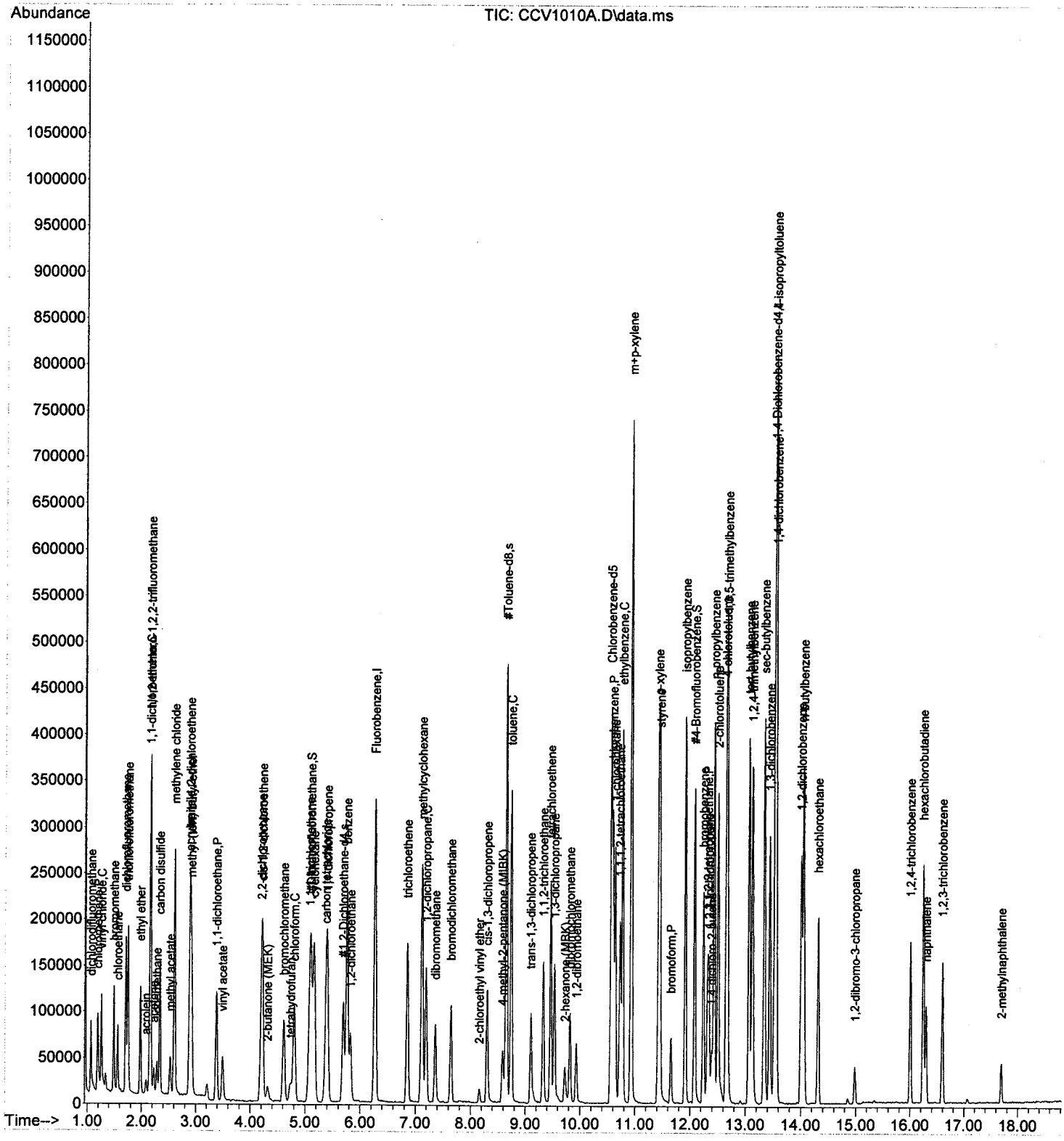
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		trans-1,3-dichloropropene	0.327	0.342	-4.6	112	0.00
49		1,1,2-trichloroethane	0.258	0.250	3.1	103	0.00
50		Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
51		tetrachloroethene	0.585	0.608	-3.9	109	0.00
52		1,3-dichloropropane	0.742	0.774	-4.3	109	0.00
53		2-hexanone (MBK)	0.320	0.309	3.4	101	0.00
54		dibromochloromethane	0.388	0.435	-12.1	120	0.00
55		1,2-dibromoethane	0.361	0.380	-5.3	108	0.00
56	P	chlorobenzene	1.347	1.359	-0.9	107	0.00
57		1-chlorohexane	0.543	0.526	3.1	106	0.00
58		1,1,1,2-tetrachloroethane	0.398	0.454	-14.1	120	0.00
59	C	ethylbenzene	2.407	2.425	-0.7	107	0.00
60		m+p-xylene	0.886	0.924	-4.3	107	0.00
61		o-xylene	0.840	0.859	-2.3	105	0.00
62		styrene	1.409	1.456	-3.3	105	0.00
63	P	bromoform	0.252	0.286	-13.5	121	0.00
64	S	#4-Bromofluorobenzene	0.495	0.503	-1.6	102	0.00
65	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
66		isopropylbenzene	4.630	4.530	2.2	107	0.00
67		bromobenzene	1.821	1.769	2.9	108	0.00
68	P	1,1,2,2-tetrachloroethane	1.196	1.175	1.8	108	0.00
69		1,2,3-trichloropropane	0.317	0.313	1.3	106	0.00
70		1,4-dichloro-2-butene	0.264	0.270	-2.3	103	0.00
71		n-propylbenzene	1.244	1.240	0.3	107	0.00
72		2-chlorotoluene	1.091	1.080	1.0	110	0.00
73		1,3,5-trimethylbenzene	3.985	3.930	1.4	105	0.00
74		4-chlorotoluene	3.772	3.822	-1.3	109	0.00
75		tert-butylbenzene	3.421	3.260	4.7	106	0.00
76		1,2,4-trimethylbenzene	3.863	3.758	2.7	104	0.00
77		sec-butylbenzene	5.083	5.135	-1.0	107	0.00
78		1,3-dichlorobenzene	2.178	2.152	1.2	106	0.00
79		4-isopropyltoluene	4.229	4.183	1.1	106	0.00
80		1,4-dichlorobenzene	2.180	2.175	0.2	108	0.00
81		1,2-dichlorobenzene	1.990	2.005	-0.8	109	0.00
82		n-butylbenzene	3.965	3.916	1.2	103	0.00
83		hexachloroethane	0.462	0.503	-8.9	118	0.00
84		1,2-dibromo-3-chloropropane	0.172	0.196	-14.0	120	0.00
85		1,2,4-trichlorobenzene	1.064	0.967	9.1	100	0.00
86		hexachlorobutadiene	0.817	0.828	-1.3	104	0.00
87		naphthalene	1.988	1.377	30.7#	92	0.00
88		1,2,3-trichlorobenzene	0.938	0.790	15.8	97	0.00
89		2-methylnaphthalene	0.672	0.330	50.9#	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : CCV1010A.D
Acq On : 10 Oct 2014 08:19
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 10 08:41:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



8260S17C.M Fri Oct 10 08:41:08 2014

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : CCV1010A.D
Acq On : 10 Oct 2014 08:19
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 10 08:41:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	405721	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	278310	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	143633	40.00	ug/L		0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.101	111	103287	41.01	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.53%				
37) #1,2-Dichloroethane-d4	5.690	67	59652	40.33	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.82%				
46) #Toluene-d8	8.654	98	388552	39.60	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.00%				
64) #4-Bromofluorobenzene	12.083	95	139869	40.61	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.53%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.066	85	73784	19.68	ug/L		97
3) chloromethane	1.190	50	101467	19.51	ug/L		100
4) vinyl chloride	1.260	62	98556	20.84	ug/L		100
5) bromomethane	1.490	94	58308	20.00	ug/L		97
6) chloroethane	1.560	64	53351	19.87	ug/L		99
7) dichlorofluoromethane	1.707	67	140983	20.58	ug/L		98
8) trichlorofluoromethane	1.749	101	119717	21.10	ug/L		98
9) ethyl ether	1.978	74	43059	20.00	ug/L		97
10) acrolein	2.084	56	12933	21.74	ug/L	#	97
11) 1,1,2-trichloro-1,2,2-...	2.160	101	74093	21.27	ug/L		98
12) 1,1-dichloroethene	2.154	96	66224	20.79	ug/L		99
13) acetone	2.225	43	35056	27.09	ug/L		91
14) iodomethane	2.284	142	38757	16.95	ug/L		97
15) carbon disulfide	2.337	76	186618	22.93	ug/L		99
16) methyl acetate	2.531	43	56915	20.39	ug/L		99
17) methylene chloride	2.607	49	160826	30.25	ug/L		99
18) acrylonitrile	2.884	53	30425	21.58	ug/L		96
19) trans-1,2-dichloroethene	2.890	96	73196	20.35	ug/L		97
20) methyl (tert) butyl ether	2.913	73	176560	20.05	ug/L		100
21) 1,1-dichloroethane	3.384	63	132238	20.88	ug/L		100
22) vinyl acetate	3.496	43	99770	20.37	ug/L		98
23) 2,2-dichloropropane	4.201	77	81925	21.97	ug/L		98
24) cis-1,2-dichloroethene	4.219	96	76966	20.39	ug/L		99
25) 2-butanone (MEK)	4.313	43	29170	18.31	ug/L		98
26) bromochloromethane	4.613	49	61947	20.26	ug/L		99
27) tetrahydrofuran	4.737	71	8473	19.03	ug/L		93
28) chloroform	4.801	83	125500	20.46	ug/L		98
30) 1,1,1-trichloroethane	5.084	97	98860	20.88	ug/L		98
31) cyclohexane	5.160	56	126825	19.68	ug/L		99
32) carbon tetrachloride	5.378	117	84236	23.06	ug/L		99
33) 1,1-dichloropropene	5.401	75	101275	20.47	ug/L		98
34) benzene	5.760	78	295897	20.99	ug/L		95
35) 1,2-dichloroethane	5.825	62	86634	20.59	ug/L		99
36) heptane	0.000		0	N.D.			
38) trichloroethene	6.854	130	77390	20.67	ug/L		97

001628

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : CCV1010A.D
Acq On : 10 Oct 2014 08:19
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 10 08:41:06 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	133396	20.36	ug/L		99
40) 1,2-dichloropropane	7.195	63	77586	21.49	ug/L		98
41) dibromomethane	7.366	93	40704	20.37	ug/L		94
42) bromodichloromethane	7.648	83	86365	21.92	ug/L		100
43) 2-chloroethyl vinyl ether	8.160	63	8870	13.73	ug/L		97
44) cis-1,3-dichloropropene	8.307	75	92760	21.07	ug/L		98
45) 4-methyl-2-pentanone (...	8.583	43	57678	18.61	ug/L		99
47) toluene	8.742	91	304757	20.06	ug/L		100
48) trans-1,3-dichloropropene	9.101	75	69427	20.93	ug/L		97
49) 1,1,2-trichloroethane	9.331	83	50750	19.36	ug/L		97
51) tetrachloroethene	9.466	166	84615	20.80	ug/L		98
52) 1,3-dichloropropane	9.536	76	107692	20.86	ug/L		97
53) 2-hexanone (MBK)	9.730	43	42953	19.28	ug/L		98
54) dibromochloromethane	9.825	129	60521	22.40	ug/L		97
55) 1,2-dibromoethane	9.936	109	52862	21.05	ug/L	#	100
56) chlorobenzene	10.595	112	189156	20.19	ug/L		98
57) 1-chlorohexane	10.636	55	73130	19.37	ug/L		97
58) 1,1,1,2-tetrachloroethane	10.725	131	63235	22.84	ug/L		96
59) ethylbenzene	10.772	91	337397	20.15	ug/L		99
60) m+p-xylene	10.930	106	257153	41.70	ug/L		96
61) o-xylene	11.425	106	119496	20.46	ug/L		98
62) styrene	11.454	104	202611	20.67	ug/L		100
63) bromoform	11.654	173	39760	22.68	ug/L		98
66) isopropylbenzene	11.913	105	325335	19.57	ug/L		100
67) bromobenzene	12.242	77	127033	19.43	ug/L		98
68) 1,1,2,2-tetrachloroethane	12.319	83	84396	19.65	ug/L	#	100
69) 1,2,3-trichloropropane	12.342	110	22449	19.70	ug/L		94
70) 1,4-dichloro-2-butene	12.389	53	19410	20.50	ug/L		99
71) n-propylbenzene	12.436	120	89030	19.92	ug/L		98
72) 2-chlorotoluene	12.507	126	77585	19.80	ug/L		98
73) 1,3,5-trimethylbenzene	12.672	105	282274	19.73	ug/L		99
74) 4-chlorotoluene	12.648	91	274506	20.27	ug/L		97
75) tert-butylbenzene	13.066	119	234097	19.06	ug/L		99
76) 1,2,4-trimethylbenzene	13.124	105	269851	19.45	ug/L		100
77) sec-butylbenzene	13.342	105	368789	20.21	ug/L		99
78) 1,3-dichlorobenzene	13.436	146	154573	19.77	ug/L		98
79) 4-isopropyltoluene	13.536	119	300427	19.78	ug/L		99
80) 1,4-dichlorobenzene	13.554	146	156168	19.95	ug/L		98
81) 1,2-dichlorobenzene	14.007	146	143993	20.15	ug/L		99
82) n-butylbenzene	14.048	91	281215	19.75	ug/L		100
83) hexachloroethane	14.313	201	36134	21.80	ug/L		92
84) 1,2-dibromo-3-chloropr...	14.983	157	14071	22.85	ug/L		97
85) 1,2,4-trichlorobenzene	16.007	180	69466	18.32	ug/L		96
86) hexachlorobutadiene	16.242	225	59496	20.27	ug/L		99
87) naphthalene	16.295	128	98916	16.43	ug/L		99
88) 1,2,3-trichlorobenzene	16.595	180	56758	17.77	ug/L		98
89) 2-methylnaphthalene	17.695	142	23665	15.33	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J14046-CCV1
Lab File ID: CCV1013A.D
Injection Date: 10/13/14
Injection Time: 19:37
Calibration Date: 10/02/14 00:00
Calibration: 4J02011
Sequence: 4J14046
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	40.0	41.8	0.1462392	0.1365807	0.1	4.5	20
Acrolein	L	40.0	36.6	8.820755E-02	6.927441E-02	0.1	-8.6	20
Acrylonitrile	A	40.0	38.2	0.1740187	0.1661242	0.1	-4.5	20
Benzene	A	40.0	39.2	1.259818	1.235679	0.5	-1.9	20
Bromobenzene	A	40.0	36.5	1.804412	1.647706	0.1	-8.7	20
Bromochloromethane	A	40.0	37.2	0.2986478	0.2781324	0.1	-6.9	20
Bromodichloromethane	A	40.0	36.3	0.4083637	0.3710096	0.2	-9.1	20
Bromoform	A	40.0	37.7	0.3231825	0.3043588	0.1	-5.8	20
Bromomethane	A	40.0	39.2	0.2230243	0.2184163	0.1	-2.1	20
n-Butylbenzene	A	40.0	36.2	2.486806	2.598023	0.1	4.5	20
sec-Butylbenzene	A	40.0	39.2	4.044997	3.968828	0.1	-1.9	20
tert-Butylbenzene	A	40.0	39.2	2.809413	2.754035	0.1	-2.0	20
Carbon Disulfide	A	40.0	33.8	0.6880041	0.5804221	0.1	-15.6	20
Carbon Tetrachloride	A	40.0	36.8	0.3384152	0.3110019	0.1	-8.1	20
Chlorobenzene	A	40.0	40.0	1.162415	1.162697	0.5	0.02	20
Chloroethane	A	40.0	34.1	0.244908	0.2090529	0.1	-14.6	20
2-Chloroethyl Vinyl Ether	Q	40.0	28.6	8.941511E-02	6.247643E-02	0.1	-28.6	20 *
Chloroform	A	40.0	37.8	0.558063	0.5281316	0.2	-5.4	20
1-Chlorohexane	A	40.0	36.1	0.4024068	0.3627708	0.1	-9.8	20
Chloromethane	A	40.0	30.8	0.4449843	0.342645	0.1	-23.0	20 *
2-Chlorotoluene	A	40.0	37.5	1.011718	0.9494494	0.1	-6.2	20
4-Chlorotoluene	A	40.0	37.2	3.408284	3.171091	0.1	-7.0	20
Cyclohexane	A	40.0	36.9	0.5052059	0.4664633	0.1	-7.7	20
1,2-Dibromo-3-chloropropane	Q	40.0	42.7	0.2095092	0.2140416	0.05	6.7	20
Dibromochloromethane	A	40.0	35.4	0.4636689	0.4107589	0.1	-11.4	20
1,2-Dibromoethane	A	40.0	40.9	0.4114394	0.4206338	0.1	2.2	20
Dibromomethane	A	40.0	39.4	0.2161756	0.2131602	0.1	-1.4	20
trans-1,4-Dichloro-2-butene	L	40.0	33.6	0.3537377	0.2633759	0.1	-15.9	20
1,2-Dichlorobenzene	A	40.0	40.3	1.768861	1.780192	0.4	0.6	20

CONTINUING CALIBRATION CHECK
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J14046-CCV1
Lab File ID: CCV1013A.D
Injection Date: 10/13/14
Injection Time: 19:37
Calibration Date: 10/02/14 00:00
Calibration: 4J02011
Sequence: 4J14046
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,3-Dichlorobenzene	A	40.0	39.6	1.84971	1.832674	0.6	-0.9	20	
1,4-Dichlorobenzene	A	40.0	39.2	1.867111	1.829744	0.5	-2.0	20	
Dichlorodifluoromethane	A	40.0	28.2	0.300971	0.2124043	0.1	-29.4	20	*
1,1-Dichloroethane	A	40.0	38.0	0.5689219	0.5401921	0.1	-5.0	20	
1,2-Dichloroethane	A	40.0	37.9	0.4375004	0.4148098	0.2	-5.2	20	
1,1-Dichloroethene	A	40.0	38.0	0.261731	0.2486887	0.1	-5.0	20	
cis-1,2-Dichloroethene	A	40.0	38.9	0.3353492	0.3258355	0.1	-2.8	20	
trans-1,2-Dichloroethene	A	40.0	38.1	0.2921511	0.2785301	0.1	-4.7	20	
1,2-Dichloroethene (Total)	A	80.0	77.0	0.3137502	0.3021828	0.1	-3.7	20	
Dichlorofluoromethane	A	40.0	37.2	0.6015649	0.55906	0.1	-7.1	20	
1,2-Dichloropropane	A	40.0	38.6	0.3458025	0.3338631	0.1	-3.5	20	
1,3-Dichloropropane	A	40.0	39.9	0.7775892	0.7754273	0.1	-0.3	20	
2,2-Dichloropropane	A	40.0	34.4	0.3402213	0.2921958	0.1	-14.1	20	
1,1-Dichloropropene	A	40.0	39.0	0.4000101	0.3903687	0.1	-2.4	20	
cis-1,3-Dichloropropene	A	40.0	37.7	0.4504566	0.424468	0.2	-5.8	20	
trans-1,3-Dichloropropene	A	40.0	37.6	0.363814	0.3424707	0.2	-5.9	20	
1,3-Dichloropropene (Total)	A	80.0	75.3	0.4071353	0.3834693	0.1	-5.8	20	
Ethylbenzene	A	40.0	39.4	2.021724	1.993329	0.1	-1.4	20	
Ethyl Ether	A	40.0	39.5	0.2105838	0.2078248	0.1	-1.3	20	
Hexachlorobutadiene	A	40.0	39.7	0.3972684	0.3941863	0.1	-0.8	20	
Hexachloroethane	A	40.0	35.1	0.4160302	0.3652107	0.1	-12.2	20	
2-Hexanone	A	40.0	40.8	0.3695103	0.3766077	0.1	1.9	20	
Iodomethane	L	40.0	35.6	0.2838384	0.3179188	0.1	-11.0	20	
Isopropylbenzene	A	40.0	37.8	4.107849	3.884622	0.1	-5.4	20	
4-Isopropyltoluene	A	40.0	41.0	3.13255	3.213953	0.1	2.6	20	
Methyl Acetate	A	40.0	41.1	0.2962235	0.3043941	0.1	2.8	20	
Methyl tert-Butyl Ether	A	40.0	40.4	0.8465273	0.8540273	0.1	0.9	20	
Methylcyclohexane	A	40.0	38.6	0.4723781	0.4556246	0.1	-3.5	20	
Methylene Chloride	L	40.0	36.3	0.6513045	0.394503	0.1	-9.3	20	

CONTINUING CALIBRATION CHECK
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J14046-CCV1
Lab File ID: CCV1013A.D
Injection Date: 10/13/14
Injection Time: 19:37
Calibration Date: 10/02/14 00:00
Calibration: 4J02011
Sequence: 4J14046
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Butanone (MEK)	A	40.0	43.8	0.1710014	0.1871361	0.1	9.4	20
2-Methylnaphthalene	Q	40.0	41.6	0.2826853	0.2775596	0.1	4.0	20
4-Methyl-2-pentanone (MIBK)	A	40.0	44.0	0.3437782	0.3785396	0.1	10.1	20
Naphthalene	Q	40.0	41.8	1.282857	1.380615	0.1	4.6	20
n-Propylbenzene	A	40.0	38.4	1.069969	1.028516	0.1	-3.9	20
Styrene	A	40.0	40.3	1.241947	1.252622	0.3	0.9	20
1,1,1,2-Tetrachloroethane	A	40.0	38.6	0.3979692	0.3841139	0.1	-3.5	20
1,1,2,2-Tetrachloroethane	L	40.0	39.5	1.614513	1.334861	0.3	-1.3	20
Tetrachloroethene	A	40.0	39.3	0.469519	0.4613357	0.2	-1.7	20
Tetrahydrofuran	A	40.0	44.8	4.749434E-02	5.318586E-02	0.1	12.0	20
Toluene	A	40.0	39.3	1.330378	1.307012	0.4	-1.8	20
1,2,3-Trichlorobenzene	Q	40.0	39.1	0.520641	0.5457407	0.1	-2.3	20
1,2,4-Trichlorobenzene	Q	40.0	38.3	0.5966153	0.6348357	0.2	-4.4	20
1,1,1-Trichloroethane	A	40.0	37.6	0.4261553	0.400973	0.1	-5.9	20
1,1,2-Trichloroethane	A	40.0	38.8	0.2790538	0.2708368	0.1	-2.9	20
Trichloroethene	A	40.0	41.4	0.305625	0.3163516	0.2	3.5	20
Trichlorofluoromethane	A	40.0	36.0	0.4729164	0.4253395	0.1	-10.1	20
1,2,3-Trichloropropane	L	40.0	42.4	0.4209514	0.3914099	0.1	5.9	20
1,1,2-Trichloro-1,2,2-trifluoroethane	A	40.0	37.1	0.2674249	0.2481405	0.1	-7.2	20
1,2,4-Trimethylbenzene	A	40.0	40.7	3.161954	3.216252	0.1	1.7	20
1,3,5-Trimethylbenzene	A	40.0	39.4	3.369069	3.316113	0.1	-1.6	20
Vinyl Acetate	A	40.0	32.2	0.5477533	0.440997	0.1	-19.5	20
Vinyl Chloride	A	40.0	35.1	0.3973669	0.3488979	0.1	-12.2	20
Xylene, Meta + Para	A	80.0	79.7	0.7447717	0.7418094	0.1	-0.4	20
Xylene, Ortho	A	40.0	40.6	0.7337661	0.7440915	0.3	1.4	20
Xylene (Total)	A	120	120	0.7411032	0.7425701	0.1	0.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : CCV1013A.D
Acq On : 13 Oct 2014 19:37
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 29 Sample Multiplier: 1
Quant Time: Oct 14 13:29:25 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	120	0.00
2		dichlorodifluoromethane	0.301	0.212	29.6#	85	0.00
3	P	chloromethane	0.445	0.343	22.9	98	0.00
4	C	vinyl chloride	0.397	0.349	12.1	108	0.00
5		bromomethane	0.223	0.218	2.2	130	0.00
6		chloroethane	0.245	0.209	14.7	109	0.00
7		dichlorofluoromethane	0.602	0.559	7.1	116	0.00
8		trichlorofluoromethane	0.473	0.425	10.1	109	0.00
9		ethyl ether	0.211	0.208	1.4	125	0.00
10		acrolein	0.088	0.069	21.6	115	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.267	0.248	7.1	113	0.00
12	C	1,1-dichloroethene	0.262	0.249	5.0	115	0.00
13		acetone	0.146	0.137	6.2	136	0.00
14		iodomethane	0.284	0.318	-12.0	113	0.00
15		carbon disulfide	0.688	0.580	15.7	102	0.00
16		methyl acetate	0.296	0.304	-2.7	126	0.00
17		methylene chloride	0.651	0.395	39.3#	109	0.00
18		acrylonitrile	0.174	0.166	4.6	125	0.00
19		trans-1,2-dichloroethene	0.292	0.279	4.5	116	0.00
20		methyl (tert) butyl ether	0.847	0.854	-0.8	124	0.00
21	P	1,1-dichloroethane	0.569	0.540	5.1	118	0.00
22		vinyl acetate	0.548	0.441	19.5	96	0.00
23		2,2-dichloropropane	0.340	0.292	14.1	106	0.00
24		cis-1,2-dichloroethene	0.335	0.326	2.7	119	0.00
25		2-butanone (MEK)	0.171	0.187	-9.4	142	0.00
26		bromochloromethane	0.299	0.278	7.0	117	0.00
27		tetrahydrofuran	0.047	0.053	-12.8	141	0.00
28	C	chloroform	0.558	0.528	5.4	117	0.00
29	S	#Dibromofluoromethane	0.265	0.257	3.0	118	0.00
30		1,1,1-trichloroethane	0.426	0.401	5.9	114	0.00
31		cyclohexane	0.505	0.466	7.7	113	0.00
32		carbon tetrachloride	0.338	0.311	8.0	106	0.00
33		1,1-dichloropropene	0.400	0.390	2.5	116	0.00
34		benzene	1.260	1.236	1.9	119	0.00
35		1,2-dichloroethane	0.438	0.415	5.3	116	0.00
36		heptane	0.000	0.000	0.0	0#	0.00
37	s	#1,2-Dichloroethane-d4	0.164	0.157	4.3	118	0.00
38		trichloroethene	0.306	0.316	-3.3	126	0.00
39		methylcyclohexane	0.472	0.456	3.4	118	0.00
40	C	1,2-dichloropropane	0.346	0.334	3.5	117	0.00
41		dibromomethane	0.216	0.213	1.4	121	0.00
42		bromodichloromethane	0.408	0.371	9.1	112	0.00
43		2-chloroethyl vinyl ether	0.089	0.062	30.3#	91	0.00
44		cis-1,3-dichloropropene	0.450	0.424	5.8	114	0.00
45		4-methyl-2-pentanone (MIBK)	0.344	0.379	-10.2	134	0.00
46	s	#Toluene-d8	0.975	0.978	-0.3	120	0.00
47	C	toluene	1.330	1.307	1.7	120	0.00

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : CCV1013A.D
Acq On : 13 Oct 2014 19:37
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 29 Sample Multiplier: 1
Quant Time: Oct 14 13:29:25 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

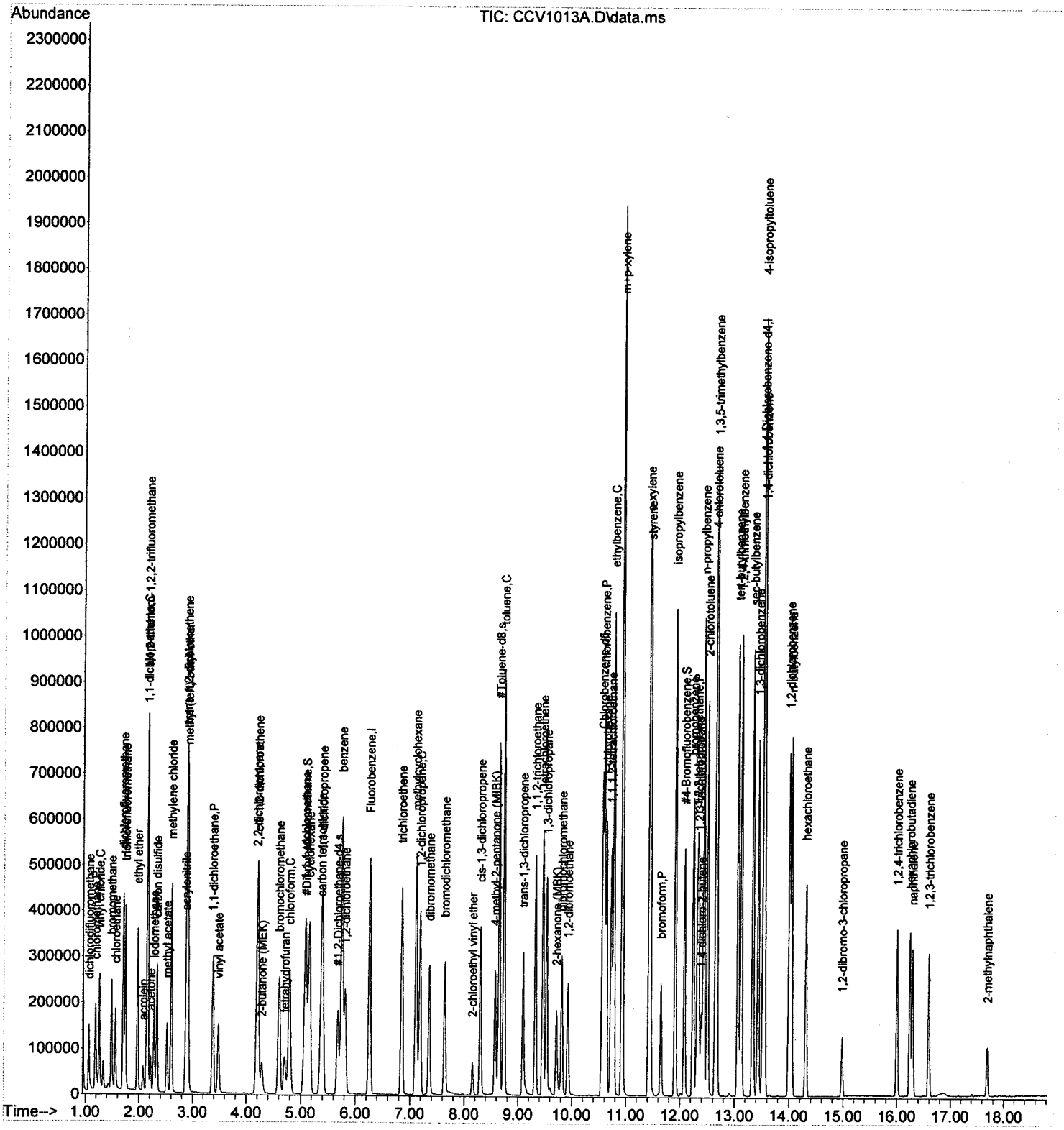
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		trans-1,3-dichloropropene	0.364	0.342	6.0	115	0.00
49		1,1,2-trichloroethane	0.279	0.271	2.9	121	0.00
50		Chlorobenzene-d5	1.000	1.000	0.0	122	0.00
51		tetrachloroethene	0.470	0.461	1.9	124	0.00
52		1,3-dichloropropane	0.778	0.775	0.4	123	0.00
53		2-hexanone (MBK)	0.370	0.377	-1.9	137	0.00
54		dibromochloromethane	0.464	0.411	11.4	111	0.00
55		1,2-dibromoethane	0.411	0.421	-2.4	123	0.00
56	P	chlorobenzene	1.162	1.163	-0.1	124	0.00
57		1-chlorohexane	0.402	0.363	9.7	108	0.00
58		1,1,1,2-tetrachloroethane	0.398	0.384	3.5	120	0.00
59	C	ethylbenzene	2.022	1.993	1.4	120	0.00
60		m+p-xylene	0.745	0.742	0.4	120	0.00
61		o-xylene	0.734	0.744	-1.4	123	0.00
62		styrene	1.242	1.253	-0.9	120	0.00
63	P	bromoform	0.323	0.304	5.9	118	0.00
64	S	#4-Bromofluorobenzene	0.498	0.497	0.2	120	0.00
65	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00
66		isopropylbenzene	4.108	3.885	5.4	119	0.00
67		bromobenzene	1.804	1.648	8.6	120	0.00
68	P	1,1,2,2-tetrachloroethane	1.615	1.335	17.3	119	0.00
69		1,2,3-trichloropropane	0.421	0.391	7.1	129	0.00
70		1,4-dichloro-2-butene	0.354	0.263	25.7#	108	0.00
71		n-propylbenzene	1.070	1.029	3.8	120	0.00
72		2-chlorotoluene	1.012	0.949	6.2	124	0.00
73		1,3,5-trimethylbenzene	3.369	3.316	1.6	117	0.00
74		4-chlorotoluene	3.408	3.171	7.0	118	0.00
75		tert-butylbenzene	2.809	2.754	2.0	119	0.00
76		1,2,4-trimethylbenzene	3.162	3.216	-1.7	118	0.00
77		sec-butylbenzene	4.045	3.969	1.9	117	0.00
78		1,3-dichlorobenzene	1.850	1.833	0.9	124	0.00
79		4-isopropyltoluene	3.133	3.214	-2.6	117	0.00
80		1,4-dichlorobenzene	1.867	1.830	2.0	122	0.00
81		1,2-dichlorobenzene	1.769	1.780	-0.6	123	0.00
82		n-butylbenzene	2.487	2.598	-4.5	112	0.00
83		hexachloroethane	0.416	0.365	12.3	113	0.00
84		1,2-dibromo-3-chloropropane	0.210	0.214	-1.9	132	0.00
85		1,2,4-trichlorobenzene	0.597	0.635	-6.4	123	0.00
86		hexachlorobutadiene	0.397	0.394	0.8	116	0.00
87		naphthalene	1.283	1.381	-7.6	142	0.00
88		1,2,3-trichlorobenzene	0.521	0.546	-4.8	127	0.00
89		2-methylnaphthalene	0.283	0.278	1.8	134	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

001684

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : CCV1013A.D
Acq On : 13 Oct 2014 19:37
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 29 Sample Multiplier: 1
Quant Time: Oct 14 13:29:25 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : CCV1013A.D
Acq On : 13 Oct 2014 19:37
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 29 Sample Multiplier: 1
Quant Time: Oct 14 13:29:25 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.260	96	631070	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	450028	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	215388	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.095	111	162081	38.81	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.03%			
37) #1,2-Dichloroethane-d4	5.678	67	99287	38.29	ug/L	0.00
Spiked Amount 40.000			Recovery = 95.72%			
46) #Toluene-d8	8.648	98	617460	40.15	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.37%			
64) #4-Bromofluorobenzene	12.083	95	223729	39.90	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.75%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	134042	28.23	ug/L	99
3) chloromethane	1.190	50	216233	30.80	ug/L	99
4) vinyl chloride	1.260	62	220179	35.12	ug/L	98
5) bromomethane	1.484	94	137836	39.17	ug/L	97
6) chloroethane	1.560	64	131927	34.14	ug/L	98
7) dichlorofluoromethane	1.702	67	352806	37.17	ug/L	98
8) trichlorofluoromethane	1.743	101	268419	35.98	ug/L	99
9) ethyl ether	1.972	74	131152	39.48	ug/L	95
10) acrolein	2.078	56	43717	36.57	ug/L	98
11) 1,1,2-trichloro-1,2,2-...	2.154	101	156594	37.12	ug/L	100
12) 1,1-dichloroethene	2.149	96	156940	38.01	ug/L	99
13) acetone	2.213	43	86192	41.79	ug/L	98
14) iodomethane	2.278	142	200629	35.59	ug/L	99
15) carbon disulfide	2.331	76	366287	33.75	ug/L	100
16) methyl acetate	2.519	43	192094	41.10	ug/L	97
17) methylene chloride	2.601	49	248959	36.29	ug/L	95
18) acrylonitrile	2.866	53	104836	38.19	ug/L	98
19) trans-1,2-dichloroethene	2.884	96	175772	38.14	ug/L	98
20) methyl (tert) butyl ether	2.901	73	538951	40.35	ug/L	100
21) 1,1-dichloroethane	3.378	63	340899	37.98	ug/L	98
22) vinyl acetate	3.484	43	278300	32.20	ug/L	99
23) 2,2-dichloropropane	4.195	77	184396	34.35	ug/L	98
24) cis-1,2-dichloroethene	4.213	96	205625	38.87	ug/L	97
25) 2-butanone (MEK)	4.284	43	118096	43.77	ug/L	98
26) bromochloromethane	4.601	49	175521	37.25	ug/L	95
27) tetrahydrofuran	4.707	71	33564	44.79	ug/L	90
28) chloroform	4.790	83	333288	37.85	ug/L	100
30) 1,1,1-trichloroethane	5.078	97	253042	37.64	ug/L	98
31) cyclohexane	5.154	56	294371	36.93	ug/L	98
32) carbon tetrachloride	5.372	117	196264	36.76	ug/L	98
33) 1,1-dichloropropene	5.395	75	246350	39.04	ug/L	99
34) benzene	5.754	78	779800	39.23	ug/L	90
35) 1,2-dichloroethane	5.813	62	261774	37.93	ug/L	98
36) heptane	6.260	57	21715	No Calib		
38) trichloroethene	6.848	130	199640	41.40	ug/L	97

001686

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : CCV1013A.D
Acq On : 13 Oct 2014 19:37
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 29 Sample Multiplier: 1
Quant Time: Oct 14 13:29:25 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.113	83	287531	38.58	ug/L		96
40)	1,2-dichloropropane	7.189	63	210691	38.62	ug/L		100
41)	dibromomethane	7.360	93	134519	39.44	ug/L		98
42)	bromodichloromethane	7.642	83	234133	36.34	ug/L		98
43)	2-chloroethyl vinyl ether	8.154	63	39427	28.55	ug/L		97
44)	cis-1,3-dichloropropene	8.301	75	267869	37.69	ug/L		99
45)	4-methyl-2-pentanone (...	8.572	43	238885	44.04	ug/L		97
47)	toluene	8.736	91	824816	39.30	ug/L		99
48)	trans-1,3-dichloropropene	9.095	75	216123	37.65	ug/L		96
49)	1,1,2-trichloroethane	9.325	83	170917	38.82	ug/L		98
51)	tetrachloroethene	9.466	166	207614	39.30	ug/L		97
52)	1,3-dichloropropane	9.536	76	348964	39.89	ug/L		100
53)	2-hexanone (MBK)	9.719	43	169484	40.77	ug/L		100
54)	dibromochloromethane	9.819	129	184853	35.44	ug/L		98
55)	1,2-dibromoethane	9.930	109	189297	40.89	ug/L	#	100
56)	chlorobenzene	10.595	112	523246	40.01	ug/L		98
57)	1-chlorohexane	10.636	55	163257	36.06	ug/L		97
58)	1,1,1,2-tetrachloroethane	10.725	131	172862	38.61	ug/L		98
59)	ethylbenzene	10.772	91	897054	39.44	ug/L		99
60)	m+p-xylene	10.930	106	667670	79.68	ug/L		97
61)	o-xylene	11.425	106	334862	40.56	ug/L		98
62)	styrene	11.448	104	563715	40.34	ug/L		99
63)	bromoform	11.648	173	136970	37.67	ug/L		99
66)	isopropylbenzene	11.913	105	836701	37.83	ug/L		100
67)	bromobenzene	12.236	77	354896	36.53	ug/L		98
68)	1,1,2,2-tetrachloroethane	12.313	83	287513	39.48	ug/L	#	99
69)	1,2,3-trichloropropane	12.342	110	84305	42.36	ug/L		96
70)	1,4-dichloro-2-butene	12.389	53	56728	33.65	ug/L		95
71)	n-propylbenzene	12.430	120	221530	38.45	ug/L		95
72)	2-chlorotoluene	12.507	126	204500	37.54	ug/L		94
73)	1,3,5-trimethylbenzene	12.666	105	714251	39.37	ug/L		98
74)	4-chlorotoluene	12.648	91	683015	37.22	ug/L		98
75)	tert-butylbenzene	13.066	119	593186	39.21	ug/L		98
76)	1,2,4-trimethylbenzene	13.124	105	692742	40.69	ug/L		98
77)	sec-butylbenzene	13.342	105	854838	39.25	ug/L		100
78)	1,3-dichlorobenzene	13.436	146	394736	39.63	ug/L		98
79)	4-isopropyltoluene	13.536	119	692247	41.04	ug/L		99
80)	1,4-dichlorobenzene	13.554	146	394105	39.20	ug/L		99
81)	1,2-dichlorobenzene	14.007	146	383432	40.26	ug/L		98
82)	n-butylbenzene	14.042	91	559583	36.24	ug/L		98
83)	hexachloroethane	14.313	201	78662	35.11	ug/L		95
84)	1,2-dibromo-3-chloropr...	14.983	157	46102	42.67	ug/L		90
85)	1,2,4-trichlorobenzene	16.001	180	136736	38.26	ug/L		99
86)	hexachlorobutadiene	16.242	225	84903	39.69	ug/L		96
87)	naphthalene	16.289	128	297368	41.83	ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	117546	39.08	ug/L		98
89)	2-methylnaphthalene	17.695	142	59783	41.62	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001687

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J15036-CCV1
Lab File ID: CCV1014.D
Injection Date: 10/14/14
Injection Time: 09:15
Calibration Date: 10/08/14 00:00
Calibration: 4J08013
Sequence: 4J15036
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	L	40.0	39.2	0.1448911	0.1176735	0.1	-2.0	20	
Acrolein	L	40.0	41.3	7.304604E-02	6.008442E-02	0.1	3.3	20	
Acrylonitrile	L	40.0	39.8	0.1553998	0.1396788	0.1	-0.5	20	
Benzene	A	40.0	39.5	1.390115	1.371524	0.5	-1.3	20	
Bromobenzene	A	40.0	35.9	1.820878	1.634993	0.1	-10.2	20	
Bromochloromethane	A	40.0	36.5	0.3014128	0.2751452	0.1	-8.7	20	
Bromodichloromethane	A	40.0	39.4	0.3883664	0.3823341	0.2	-1.6	20	
Bromoform	A	40.0	39.7	0.2519575	0.2501543	0.1	-0.7	20	
Bromomethane	A	40.0	42.2	0.2873604	0.3028438	0.1	5.4	20	
n-Butylbenzene	A	40.0	40.1	3.965131	3.973021	0.1	0.2	20	
sec-Butylbenzene	A	40.0	38.5	5.082617	4.890136	0.1	-3.8	20	
tert-Butylbenzene	A	40.0	36.8	3.420517	3.150252	0.1	-7.9	20	
Carbon Disulfide	A	40.0	38.8	0.8024155	0.779014	0.1	-2.9	20	
Carbon Tetrachloride	A	40.0	41.5	0.3602106	0.3739612	0.1	3.8	20	
Chlorobenzene	A	40.0	39.4	1.346552	1.325057	0.5	-1.6	20	
Chloroethane	A	40.0	39.0	0.2646889	0.2580135	0.1	-2.5	20	
2-Chloroethyl Vinyl Ether	A	40.0	31.3	6.371378E-02	4.978634E-02	0.1	-21.9	20	*
Chloroform	A	40.0	37.9	0.6047168	0.5733386	0.2	-5.2	20	
1-Chlorohexane	A	40.0	36.8	0.5425341	0.499194	0.1	-8.0	20	
Chloromethane	A	40.0	37.0	0.5126582	0.4743296	0.1	-7.5	20	
2-Chlorotoluene	A	40.0	37.3	1.091419	1.018705	0.1	-6.7	20	
4-Chlorotoluene	A	40.0	38.2	3.771624	3.604342	0.1	-4.4	20	
Cyclohexane	A	40.0	37.5	0.6353486	0.5951857	0.1	-6.3	20	
1,2-Dibromo-3-chloropropane	A	40.0	39.5	0.1715079	0.1691818	0.05	-1.4	20	
Dibromochloromethane	A	40.0	39.9	0.3883317	0.3872781	0.1	-0.3	20	
1,2-Dibromoethane	A	40.0	39.9	0.36098	0.3603078	0.1	-0.2	20	
Dibromomethane	A	40.0	39.0	0.1970514	0.1923205	0.1	-2.4	20	
trans-1,4-Dichloro-2-butene	A	40.0	35.2	0.2637036	0.2318763	0.1	-12.1	20	
1,2-Dichlorobenzene	A	40.0	38.7	1.989997	1.927077	0.4	-3.2	20	

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J15036-CCV1
Lab File ID: CCV1014.D
Injection Date: 10/14/14
Injection Time: 09:15
Calibration Date: 10/08/14 00:00
Calibration: 4J08013
Sequence: 4J15036
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3-Dichlorobenzene	A	40.0	37.7	2.177821	2.05305	0.6	-5.7	20
1,4-Dichlorobenzene	A	40.0	38.0	2.180036	2.071339	0.5	-5.0	20
Dichlorodifluoromethane	A	40.0	39.7	0.3696883	0.3669607	0.1	-0.7	20
1,1-Dichloroethane	A	40.0	38.0	0.6244901	0.5935207	0.1	-5.0	20
1,2-Dichloroethane	A	40.0	39.0	0.4148016	0.4047102	0.2	-2.4	20
1,1-Dichloroethene	A	40.0	39.4	0.3140714	0.3094454	0.1	-1.5	20
cis-1,2-Dichloroethene	A	40.0	38.6	0.3721679	0.3595288	0.1	-3.4	20
trans-1,2-Dichloroethene	A	40.0	38.4	0.3546965	0.3405066	0.1	-4.0	20
1,2-Dichloroethene (Total)	A	80.0	77.0	0.3634322	0.3500177	0.1	-3.7	20
Dichlorofluoromethane	A	40.0	39.4	0.6754687	0.6661883	0.1	-1.4	20
1,2-Dichloropropane	A	40.0	39.2	0.3560026	0.3486431	0.1	-2.1	20
1,3-Dichloropropane	A	40.0	38.8	0.7419202	0.7190773	0.1	-3.1	20
2,2-Dichloropropane	A	40.0	39.4	0.3676523	0.3623082	0.1	-1.5	20
1,1-Dichloropropene	A	40.0	38.9	0.4877532	0.4748369	0.1	-2.6	20
cis-1,3-Dichloropropene	A	40.0	40.3	0.4340275	0.4372977	0.2	0.8	20
trans-1,3-Dichloropropene	A	40.0	40.6	0.3270162	0.3321229	0.2	1.6	20
1,3-Dichloropropene (Total)	A	80.0	80.9	0.3805219	0.3847103	0.1	1.1	20
Ethylbenzene	A	40.0	39.2	2.407085	2.359783	0.1	-2.0	20
Ethyl Ether	A	40.0	37.4	0.2122534	0.1984104	0.1	-6.5	20
Hexachlorobutadiene	A	40.0	40.0	0.8173056	0.8171957	0.1	-0.01	20
Hexachloroethane	A	40.0	37.8	0.4616234	0.4357733	0.1	-5.6	20
2-Hexanone	A	40.0	37.1	0.3201258	0.2971528	0.1	-7.2	20
Iodomethane	L	40.0	31.5	0.2165621	0.22367	0.1	-21.4	20 *
Isopropylbenzene	A	40.0	37.0	4.63027	4.278283	0.1	-7.6	20
4-Isopropyltoluene	A	40.0	38.8	4.22915	4.098514	0.1	-3.1	20
Methyl Acetate	A	40.0	36.6	0.2751802	0.2514423	0.1	-8.6	20
Methyl tert-Butyl Ether	A	40.0	38.4	0.8680496	0.8341012	0.1	-3.9	20
Methylcyclohexane	A	40.0	38.2	0.6458306	0.6164496	0.1	-4.5	20
Methylene Chloride	L	40.0	46.6	0.9023238	0.5860692	0.1	16.4	20

CONTINUING CALIBRATION CHECK

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J15036-CCV1
Lab File ID: CCV1014.D
Injection Date: 10/14/14
Injection Time: 09:15
Calibration Date: 10/08/14 00:00
Calibration: 4J08013
Sequence: 4J15036
Instrument ID: 350

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Butanone (MEK)	A	40.0	35.9	0.1570979	0.1410685	0.1	-10.2	20
2-Methylnaphthalene	Q	40.0	36.2	0.6718357	0.4426539	0.1	-9.5	20
4-Methyl-2-pentanone (MIBK)	A	40.0	37.8	0.3056329	0.2886281	0.1	-5.6	20
Naphthalene	Q	40.0	36.6	1.987861	1.761457	0.1	-8.4	20
n-Propylbenzene	A	40.0	38.0	1.244364	1.183712	0.1	-4.9	20
Styrene	A	40.0	41.1	1.408921	1.446426	0.3	2.7	20
1,1,1,2-Tetrachloroethane	A	40.0	39.9	0.3979762	0.3968056	0.1	-0.3	20
1,1,2,2-Tetrachloroethane	A	40.0	36.4	1.196135	1.088222	0.3	-9.0	20
Tetrachloroethene	A	40.0	38.2	0.5846994	0.5583083	0.2	-4.5	20
Tetrahydrofuran	A	40.0	37.6	0.0438913	4.125303E-02	0.1	-6.0	20
Toluene	A	40.0	39.7	1.497957	1.486284	0.4	-0.8	20
1,2,3-Trichlorobenzene	Q	40.0	38.1	0.9380999	0.9364788	0.1	-4.7	20
1,2,4-Trichlorobenzene	Q	40.0	38.2	1.063696	1.092819	0.2	-4.4	20
1,1,1-Trichloroethane	A	40.0	38.1	0.4667933	0.4445952	0.1	-4.8	20
1,1,2-Trichloroethane	A	40.0	38.6	0.2583933	0.2490835	0.1	-3.6	20
Trichloroethene	A	40.0	38.6	0.3692052	0.3566431	0.2	-3.4	20
Trichlorofluoromethane	A	40.0	39.6	0.5594245	0.553627	0.1	-1.0	20
1,2,3-Trichloropropane	A	40.0	36.6	0.3174164	0.2904886	0.1	-8.5	20
1,1,2-Trichloro-1,2,2-trifluoroethane	A	40.0	38.9	0.343414	0.3340481	0.1	-2.7	20
1,2,4-Trimethylbenzene	A	40.0	38.5	3.863114	3.714814	0.1	-3.8	20
1,3,5-Trimethylbenzene	A	40.0	37.8	3.985057	3.766019	0.1	-5.5	20
Vinyl Acetate	A	40.0	40.1	0.4829817	0.4842418	0.1	0.3	20
Vinyl Chloride	A	40.0	39.6	0.4661682	0.4610288	0.1	-1.1	20
Xylene, Meta + Para	A	80.0	80.8	0.8863355	0.8948758	0.1	1.0	20
Xylene, Ortho	A	40.0	40.8	0.8396056	0.8561182	0.3	2.0	20
Xylene (Total)	A	120	122	0.8707589	0.8819566	0.1	1.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : CCV1014.D
Acq On : 14 Oct 2014 09:15
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 15 11:32:33 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	107	0.00
2		dichlorodifluoromethane	0.370	0.367	0.8	113	0.00
3	P	chloromethane	0.513	0.474	7.6	110	0.00
4	C	vinyl chloride	0.466	0.461	1.1	115	0.00
5		bromomethane	0.287	0.303	-5.6	125	0.00
6		chloroethane	0.265	0.258	2.6	117	0.00
7		dichlorofluoromethane	0.675	0.666	1.3	112	0.00
8		trichlorofluoromethane	0.559	0.554	0.9	112	0.00
9		ethyl ether	0.212	0.198	6.6	104	0.00
10		acrolein	0.073	0.060	17.8	117	0.00
11		1,1,2-trichloro-1,2,2-trifl	0.343	0.334	2.6	108	0.00
12	C	1,1-dichloroethene	0.314	0.309	1.6	113	0.00
13		acetone	0.145	0.118	18.6	104	0.00
14		iodomethane	0.217	0.224	-3.2	94	0.00
15		carbon disulfide	0.802	0.779	2.9	99	0.00
16		methyl acetate	0.275	0.251	8.7	98	0.00
17		methylene chloride	0.902	0.586	35.0#	127	0.00
18		acrylonitrile	0.155	0.140	9.7	109	0.00
19		trans-1,2-dichloroethene	0.355	0.341	3.9	114	0.00
20		methyl (tert) butyl ether	0.868	0.834	3.9	106	0.00
21	P	1,1-dichloroethane	0.624	0.594	4.8	105	0.00
22		vinyl acetate	0.483	0.484	-0.2	103	0.00
23		2,2-dichloropropane	0.368	0.362	1.6	113	0.00
24		cis-1,2-dichloroethene	0.372	0.360	3.2	109	0.00
25		2-butanone (MEK)	0.157	0.141	10.2	101	0.00
26		bromochloromethane	0.301	0.275	8.6	105	0.00
27		tetrahydrofuran	0.044	0.041	6.8	104	0.00
28	C	chloroform	0.605	0.573	5.3	108	0.00
29	S	#Dibromofluoromethane	0.248	0.248	0.0	105	0.00
30		1,1,1-trichloroethane	0.467	0.445	4.7	106	0.00
31		cyclohexane	0.635	0.595	6.3	107	0.00
32		carbon tetrachloride	0.360	0.374	-3.9	109	0.00
33		1,1-dichloropropene	0.488	0.475	2.7	109	0.00
34		benzene	1.390	1.372	1.3	109	0.00
35		1,2-dichloroethane	0.415	0.405	2.4	108	0.00
36		heptane	0.000	0.000	0.0	0#	0.00
37	s	#1,2-Dichloroethane-d4	0.146	0.147	-0.7	109	0.00
38		trichloroethene	0.369	0.357	3.3	111	0.00
39		methylcyclohexane	0.646	0.616	4.6	106	0.00
40	C	1,2-dichloropropane	0.356	0.349	2.0	109	0.00
41		dibromomethane	0.197	0.192	2.5	104	0.00
42		bromodichloromethane	0.388	0.382	1.5	107	0.00
43		2-chloroethyl vinyl ether	0.064	0.050	21.9	81	0.00
44		cis-1,3-dichloropropene	0.434	0.437	-0.7	109	0.00
45		4-methyl-2-pentanone (MIBK)	0.306	0.289	5.6	97	0.00
46	s	#Toluene-d8	0.967	0.972	-0.5	106	0.00
47	C	toluene	1.498	1.486	0.8	111	0.00

Evaluate Continuing Calibration Report

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : CCV1014.D
Acq On : 14 Oct 2014 09:15
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 15 11:32:33 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

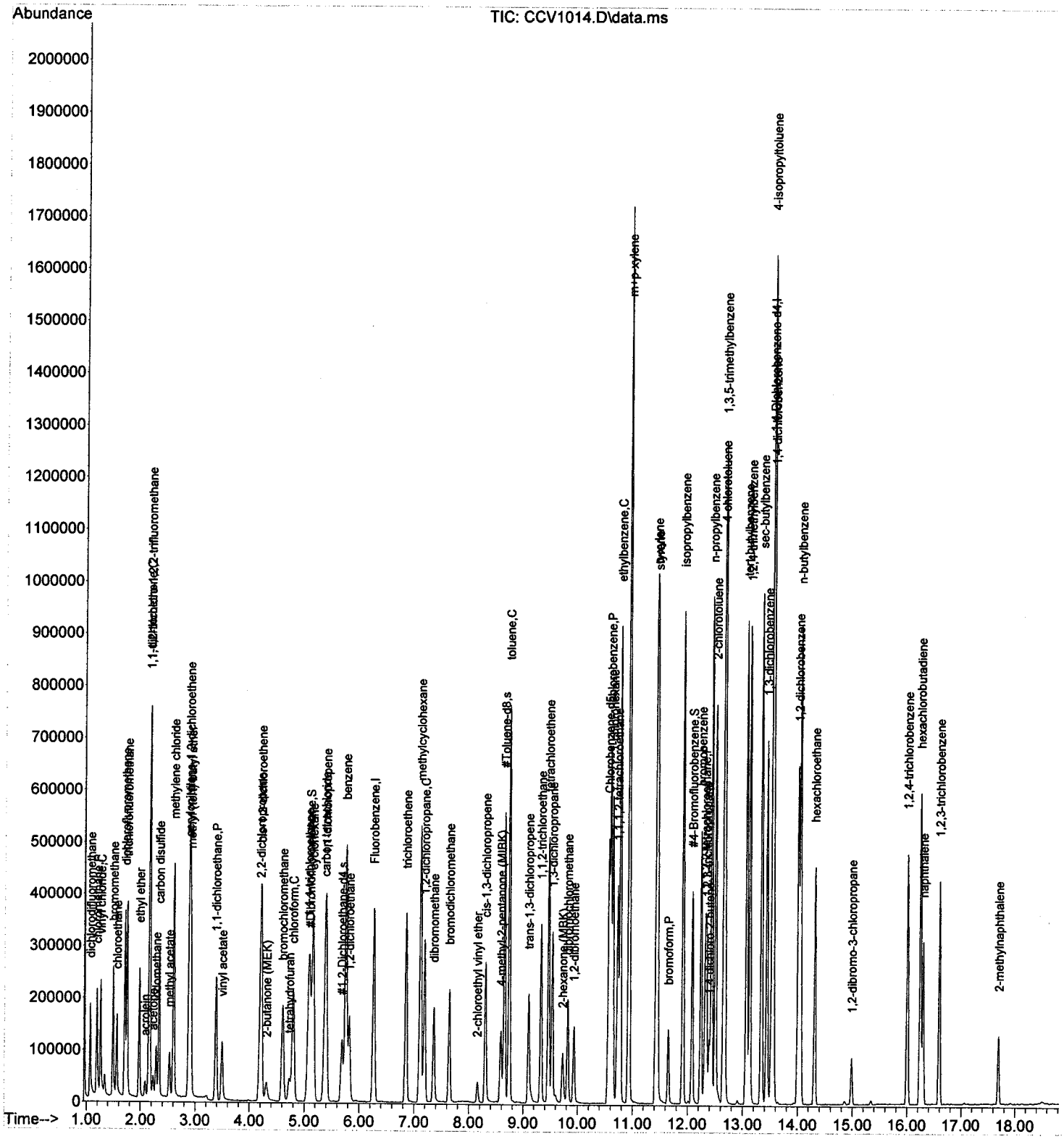
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		trans-1,3-dichloropropene	0.327	0.332	-1.5	108	0.00
49		1,1,2-trichloroethane	0.258	0.249	3.5	109	0.00
50		Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
51		tetrachloroethene	0.585	0.558	4.6	111	0.00
52		1,3-dichloropropane	0.742	0.719	3.1	108	0.00
53		2-hexanone (MBK)	0.320	0.297	7.2	98	0.00
54		dibromochloromethane	0.388	0.387	0.3	109	0.00
55		1,2-dibromoethane	0.361	0.360	0.3	107	0.00
56	P	chlorobenzene	1.347	1.325	1.6	111	0.00
57		1-chlorohexane	0.543	0.499	8.1	109	0.00
58		1,1,1,2-tetrachloroethane	0.398	0.397	0.3	110	0.00
59	C	ethylbenzene	2.407	2.360	2.0	111	0.00
60		m+p-xylene	0.886	0.895	-1.0	114	0.00
61		o-xylene	0.840	0.856	-1.9	115	0.00
62		styrene	1.409	1.446	-2.6	113	0.00
63	P	bromoform	0.252	0.250	0.8	109	0.00
64	S	#4-Bromofluorobenzene	0.495	0.515	-4.0	110	0.00
65	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00
66		isopropylbenzene	4.630	4.278	7.6	112	0.00
67		bromobenzene	1.821	1.635	10.2	111	0.00
68	P	1,1,2,2-tetrachloroethane	1.196	1.088	9.0	109	0.00
69		1,2,3-trichloropropane	0.317	0.290	8.5	108	0.00
70		1,4-dichloro-2-butene	0.264	0.232	12.1	104	0.00
71		n-propylbenzene	1.244	1.184	4.8	115	0.00
72		2-chlorotoluene	1.091	1.019	6.6	113	0.00
73		1,3,5-trimethylbenzene	3.985	3.766	5.5	115	0.00
74		4-chlorotoluene	3.772	3.604	4.5	117	0.00
75		tert-butylbenzene	3.421	3.150	7.9	115	0.00
76		1,2,4-trimethylbenzene	3.863	3.715	3.8	117	0.00
77		sec-butylbenzene	5.083	4.890	3.8	116	0.00
78		1,3-dichlorobenzene	2.178	2.053	5.7	116	0.00
79		4-isopropyltoluene	4.229	4.099	3.1	116	0.00
80		1,4-dichlorobenzene	2.180	2.071	5.0	119	0.00
81		1,2-dichlorobenzene	1.990	1.927	3.2	118	0.00
82		n-butylbenzene	3.965	3.973	-0.2	118	0.00
83		hexachloroethane	0.462	0.436	5.6	116	0.00
84		1,2-dibromo-3-chloropropane	0.172	0.169	1.7	101	0.00
85		1,2,4-trichlorobenzene	1.064	1.093	-2.7	119	0.00
86		hexachlorobutadiene	0.817	0.817	0.0	117	0.00
87		naphthalene	1.988	1.761	11.4	111	0.00
88		1,2,3-trichlorobenzene	0.938	0.936	0.2	117	0.00
89		2-methylnaphthalene	0.672	0.443	34.1#	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

001642

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : CCV1014.D
Acq On : 14 Oct 2014 09:15
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 15 11:32:33 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : CCV1014.D
Acq On : 14 Oct 2014 09:15
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 15 11:32:33 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.260	96	461251	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	325691	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	172950	40.00	ug/L		0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.101	111	114365	39.94	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.85%				
37) #1,2-Dichloroethane-d4	5.684	67	67803	40.33	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.82%				
46) #Toluene-d8	8.648	98	448321	40.19	ug/L		0.00
Spiked Amount 40.000			Recovery = 100.48%				
64) #4-Bromofluorobenzene	12.083	95	167697	41.61	ug/L		0.00
Spiked Amount 40.000			Recovery = 104.02%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.066	85	169261	39.70	ug/L		99
3) chloromethane	1.190	50	218785	37.01	ug/L		100
4) vinyl chloride	1.260	62	212650	39.56	ug/L		100
5) bromomethane	1.490	94	139687	42.16	ug/L		99
6) chloroethane	1.560	64	119009	38.99	ug/L		98
7) dichlorofluoromethane	1.707	67	307280	39.45	ug/L		99
8) trichlorofluoromethane	1.748	101	255361	39.59	ug/L		100
9) ethyl ether	1.978	74	91517	37.39	ug/L		98
10) acrolein	2.084	56	27714	41.33	ug/L	#	96
11) 1,1,2-trichloro-1,2,2-...	2.160	101	154080	38.91	ug/L		97
12) 1,1-dichloroethene	2.154	96	142732	39.41	ug/L		97
13) acetone	2.225	43	54277	39.18	ug/L		97
14) iodomethane	2.284	142	103168	31.46	ug/L		96
15) carbon disulfide	2.337	76	359321	38.83	ug/L		99
16) methyl acetate	2.525	43	115978	36.55	ug/L		99
17) methylene chloride	2.601	49	270325	46.58	ug/L		98
18) acrylonitrile	2.878	53	64427	39.80	ug/L		98
19) trans-1,2-dichloroethene	2.884	96	157059	38.40	ug/L		95
20) methyl (tert) butyl ether	2.913	73	384730	38.44	ug/L		99
21) 1,1-dichloroethane	3.378	63	273762	38.02	ug/L		99
22) vinyl acetate	3.495	43	223357	40.10	ug/L		100
23) 2,2-dichloropropane	4.195	77	167115	39.42	ug/L		99
24) cis-1,2-dichloroethene	4.213	96	165833	38.64	ug/L		98
25) 2-butanone (MEK)	4.313	43	65068	35.92	ug/L		99
26) bromochloromethane	4.607	49	126911	36.51	ug/L		94
27) tetrahydrofuran	4.731	71	19028	37.60	ug/L		96
28) chloroform	4.795	83	264453	37.92	ug/L		97
30) 1,1,1-trichloroethane	5.078	97	205070	38.10	ug/L		98
31) cyclohexane	5.154	56	274530	37.47	ug/L		97
32) carbon tetrachloride	5.378	117	172490	41.53	ug/L		100
33) 1,1-dichloropropene	5.395	75	219019	38.94	ug/L		99
34) benzene	5.754	78	632617	39.47	ug/L		96
35) 1,2-dichloroethane	5.819	62	186673	39.03	ug/L		98
36) heptane	5.954	57	1818	No Calib		#	
38) trichloroethene	6.854	130	164502	38.64	ug/L		99

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : CCV1014.D
Acq On : 14 Oct 2014 09:15
Operator : DLV
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1
Quant Time: Oct 15 11:32:33 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.113	83	284338	38.18	ug/L		100
40) 1,2-dichloropropane	7.189	63	160812	39.17	ug/L		100
41) dibromomethane	7.360	93	88708	39.04	ug/L		97
42) bromodichloromethane	7.642	83	176352	39.38	ug/L		100
43) 2-chloroethyl vinyl ether	8.154	63	22964	31.26	ug/L		99
44) cis-1,3-dichloropropene	8.301	75	201704	40.30	ug/L		96
45) 4-methyl-2-pentanone (...	8.583	43	133130	37.77	ug/L		98
47) toluene	8.736	91	685550	39.69	ug/L		99
48) trans-1,3-dichloropropene	9.101	75	153192	40.62	ug/L		98
49) 1,1,2-trichloroethane	9.324	83	114890	38.56	ug/L		99
51) tetrachloroethene	9.466	166	181836	38.19	ug/L		99
52) 1,3-dichloropropane	9.536	76	234197	38.77	ug/L		100
53) 2-hexanone (MBK)	9.724	43	96780	37.13	ug/L		98
54) dibromochloromethane	9.819	129	126133	39.89	ug/L		97
55) 1,2-dibromoethane	9.930	109	117349	39.93	ug/L	#	100
56) chlorobenzene	10.595	112	431559	39.36	ug/L		99
57) 1-chlorohexane	10.636	55	162583	36.80	ug/L		96
58) 1,1,1,2-tetrachloroethane	10.724	131	129236	39.88	ug/L		100
59) ethylbenzene	10.771	91	768560	39.21	ug/L		98
60) m+p-xylene	10.930	106	582906	80.77	ug/L		97
61) o-xylene	11.424	106	278830	40.79	ug/L		96
62) styrene	11.448	104	471088	41.06	ug/L		100
63) bromoform	11.648	173	81473	39.71	ug/L		96
66) isopropylbenzene	11.913	105	739929	36.96	ug/L		99
67) bromobenzene	12.242	77	282772	35.92	ug/L		98
68) 1,1,2,2-tetrachloroethane	12.313	83	188208	36.39	ug/L	#	100
69) 1,2,3-trichloropropane	12.342	110	50240	36.61	ug/L		98
70) 1,4-dichloro-2-butene	12.389	53	40103	35.17	ug/L		97
71) n-propylbenzene	12.436	120	204723	38.05	ug/L		99
72) 2-chlorotoluene	12.507	126	176185	37.34	ug/L		99
73) 1,3,5-trimethylbenzene	12.665	105	651333	37.80	ug/L		100
74) 4-chlorotoluene	12.648	91	623371	38.23	ug/L		99
75) tert-butylbenzene	13.065	119	544836	36.84	ug/L		99
76) 1,2,4-trimethylbenzene	13.124	105	642477	38.46	ug/L		99
77) sec-butylbenzene	13.342	105	845749	38.49	ug/L		99
78) 1,3-dichlorobenzene	13.436	146	355075	37.71	ug/L		99
79) 4-isopropyltoluene	13.536	119	708838	38.76	ug/L		99
80) 1,4-dichlorobenzene	13.554	146	358238	38.01	ug/L		99
81) 1,2-dichlorobenzene	14.007	146	333288	38.74	ug/L		100
82) n-butylbenzene	14.048	91	687134	40.08	ug/L		100
83) hexachloroethane	14.312	201	75367	37.76	ug/L		98
84) 1,2-dibromo-3-chloropr...	14.983	157	29260	39.46	ug/L		94
85) 1,2,4-trichlorobenzene	16.001	180	189003	38.25	ug/L		99
86) hexachlorobutadiene	16.242	225	141334	39.99	ug/L		99
87) naphthalene	16.295	128	304644	36.63	ug/L		99
88) 1,2,3-trichlorobenzene	16.595	180	161964	38.13	ug/L		99
89) 2-methylnaphthalene	17.695	142	76557	36.21	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

TRIMATRIX LABORATORIES

SECTION - C

RAW QUALITY CONTROL DATA

USEPA-8260C

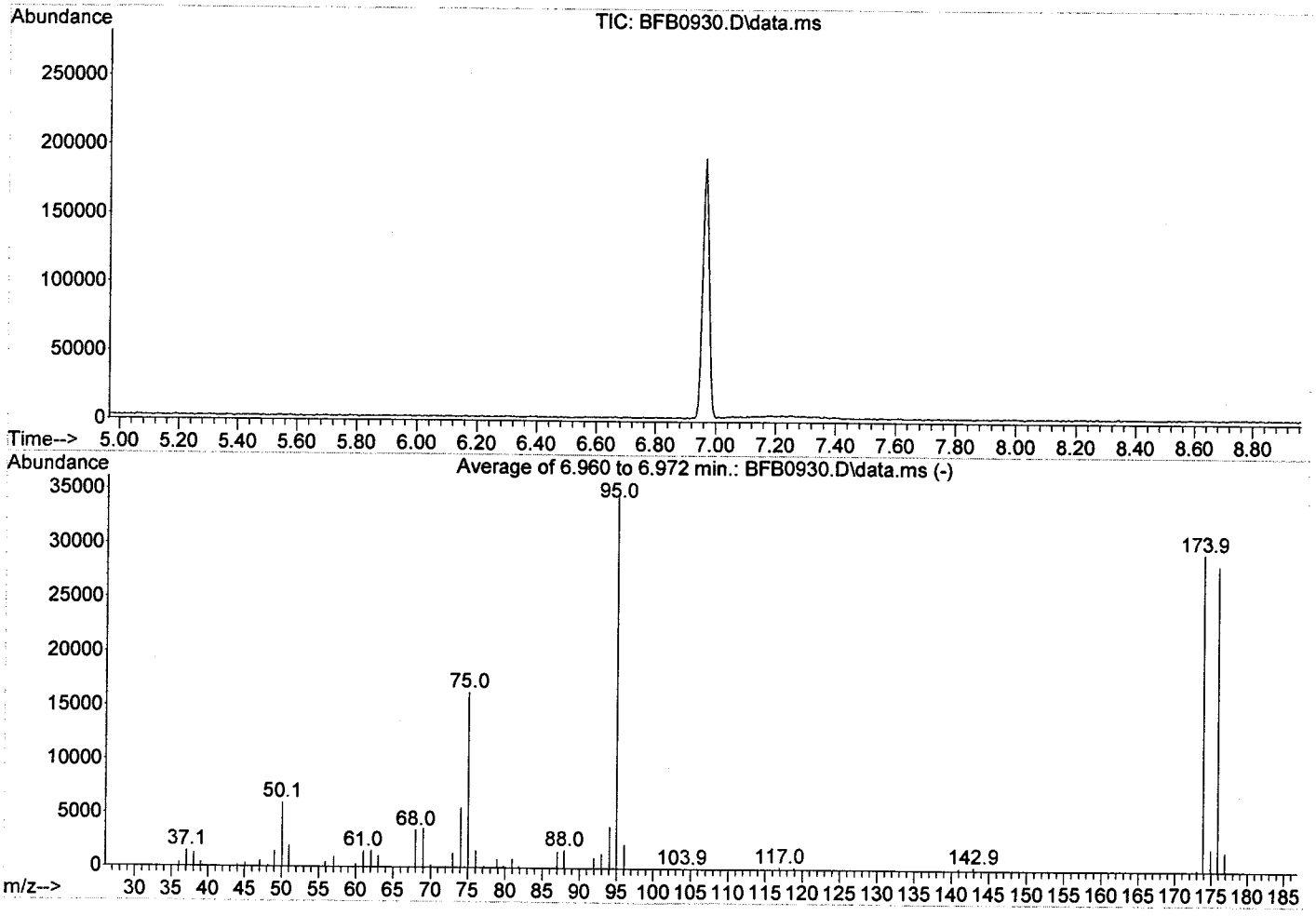
This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

Data Path : C:\gcms\1\data\093014\
Data File : BFB0930.D
Acq On : 30 Sep 2014 08:40
Operator : DLV
Sample : BFB
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\gcms\1\methods\8260S-16C.M
Title : 8260C : 5030 wtr
Last Update : Tue Sep 30 12:53:16 2014



AutoFind: Scans 947, 948, 949; Background Corrected with Scan 940

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	6000	PASS
75	95	30	60	47.4	16317	PASS
95	95	100	100	100.0	34413	PASS
96	95	5	9	6.5	2250	PASS
173	174	0.00	2	0.7	200	PASS
174	95	50	100	85.5	29429	PASS
175	174	5	9	7.2	2109	PASS
176	174	95	101	96.3	28341	PASS
177	176	5	9	6.4	1827	PASS

Average of 6.960 to 6.972 min.: BFB0930.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	389	51.05	2007	73.00	1344	87.95	1695
37.10	1514	55.90	483	74.05	5588	91.95	1017
38.05	1293	57.05	947	75.05	16317	92.95	1377
39.00	432	60.00	317	76.05	1611	94.05	3900
39.20	131	61.00	1524	77.15	203	95.00	34413
44.00	203	62.05	1531	78.10	76	96.05	2250
45.05	355	63.05	1109	78.90	824	103.90	70
47.05	550	68.00	3473	79.80	213	116.95	246
48.15	178	69.00	3627	80.95	844	118.90	166
49.05	1475	70.00	241	81.85	175	140.80	78
50.10	6000	72.00	102	87.00	1539	140.95	225

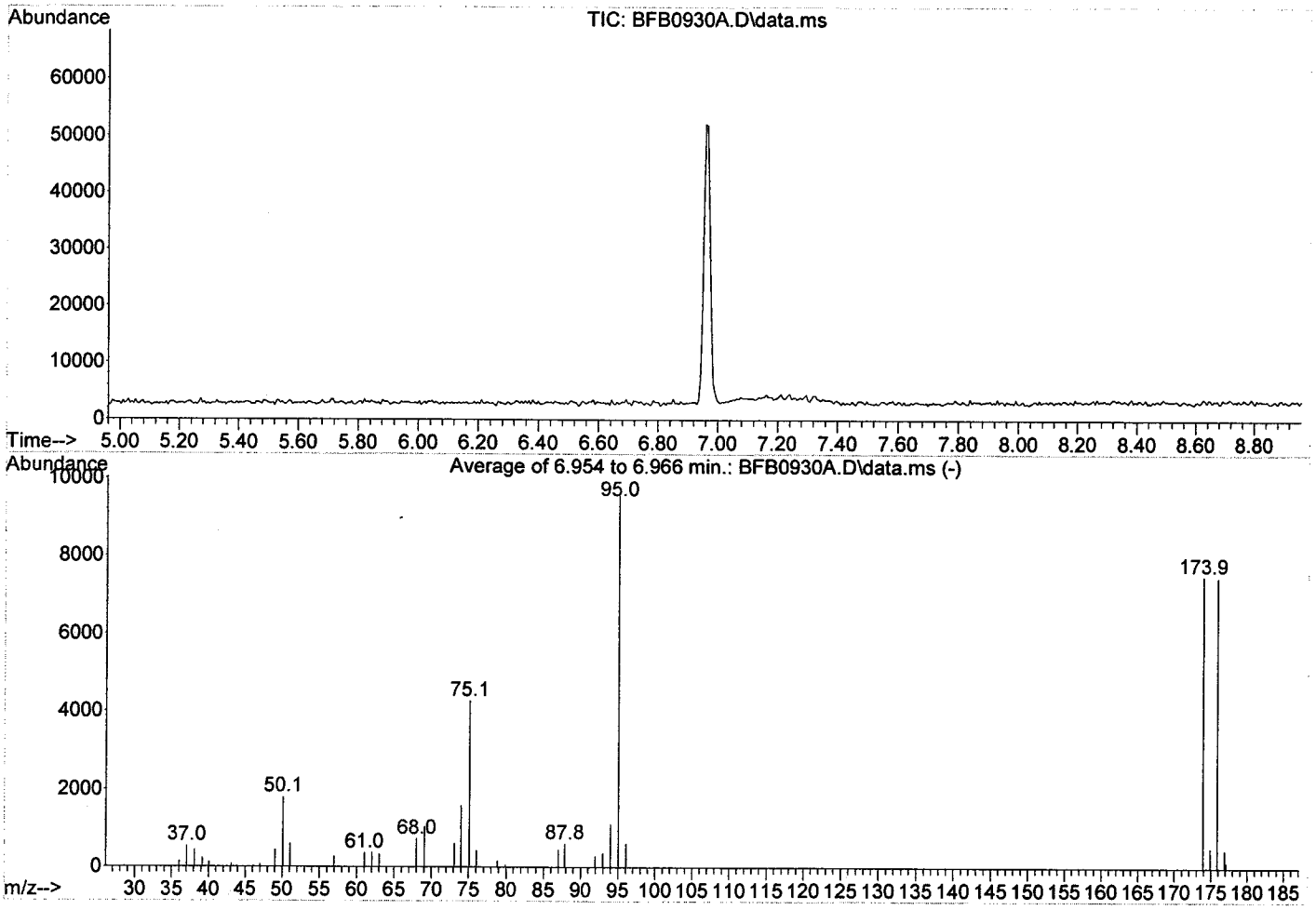
Average of 6.960 to 6.972 min.: BFB0930.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.95	328						
173.00	200						
173.90	29429						
174.95	2109						
175.90	28341						
176.90	1827						

Data Path : C:\gcms\1\data\093014\
Data File : BFB0930A.D
Acq On : 30 Sep 2014 13:59
Operator : DLV
Sample : BFB
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\gcms\1\methods\8260S-16C.M
Title : 8260C : 5030 wtr
Last Update : Tue Sep 30 12:53:16 2014



AutoFind: Scans 946, 947, 948; Background Corrected with Scan 940

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	1817	PASS
75	95	30	60	44.8	4277	PASS
95	95	100	100	100.0	9556	PASS
96	95	5	9	6.5	622	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.6	7509	PASS
175	174	5	9	6.9	521	PASS
176	174	95	101	99.5	7471	PASS
177	176	5	9	6.3	472	PASS

KEW 9/10/14

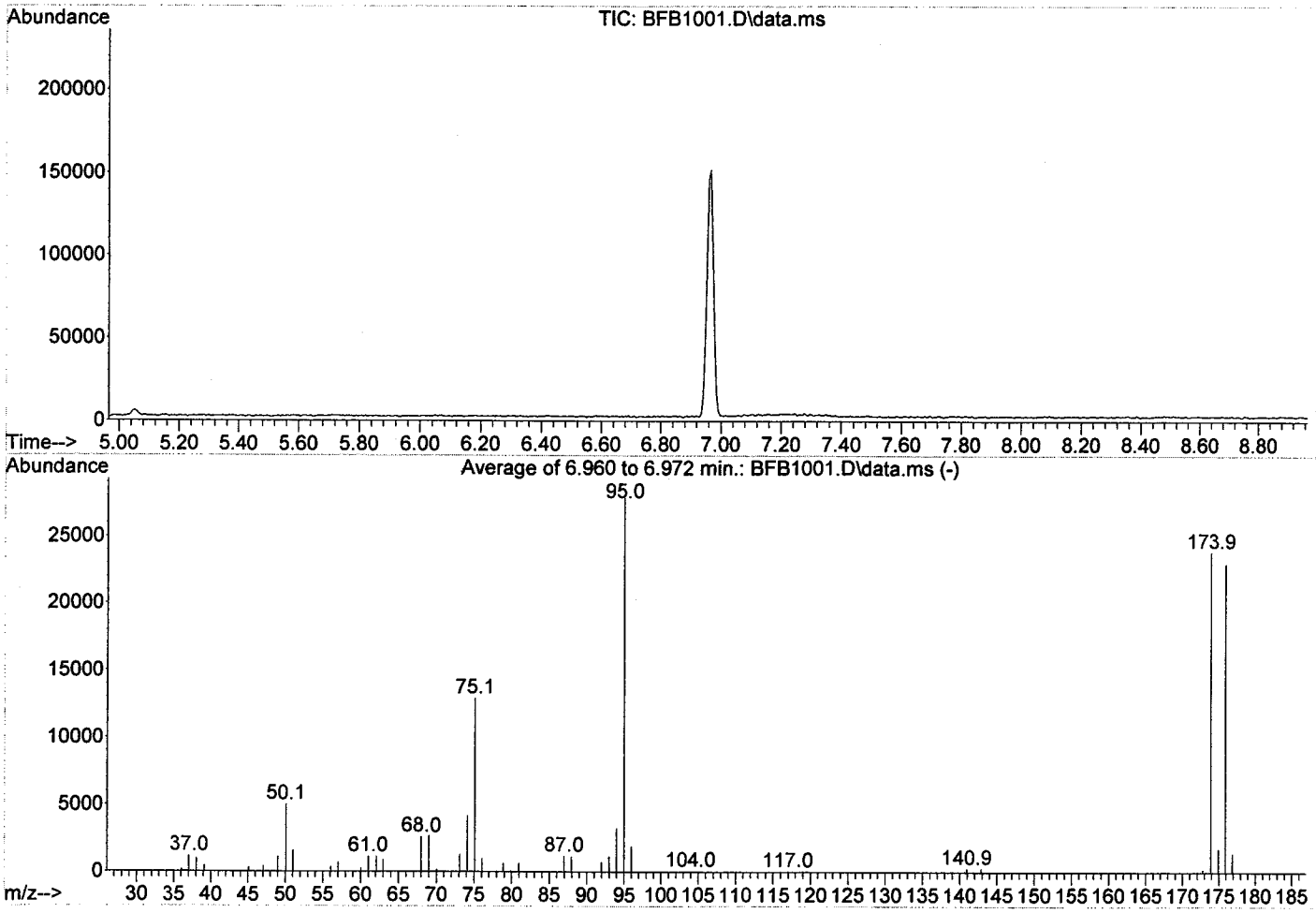
Average of 6.954 to 6.966 min.: BFB0930A.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	149	61.05	376	87.00	461	177.10	157
37.05	551	62.05	385	87.85	619		
38.10	454	63.05	338	91.95	298		
39.15	232	68.00	738	92.95	374		
40.05	131	69.05	1054	94.00	1120		
43.10	86	73.10	616	95.05	9556		
47.00	89	74.00	1593	96.10	622		
49.05	448	75.10	4277	173.90	7509		
50.10	1817	76.05	433	174.90	521		
51.05	609	78.85	182	175.90	7471		
56.95	288	79.90	73	176.90	472		

Data Path : C:\gcms\1\data\100114\
Data File : BFB1001.D
Acq On : 01 Oct 2014 08:55
Operator : DLV
Sample : BFB
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\gcms\1\methods\8260S-16C.M
Title : 8260C : 5030 wtr
Last Update : Wed Oct 01 07:17:35 2014



AutoFind: Scans 947, 948, 949; Background Corrected with Scan 940

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	5011	PASS
75	95	30	60	46.4	12922	PASS
95	95	100	100	100.0	27837	PASS
96	95	5	9	6.9	1930	PASS
173	174	0.00	2	1.0	231	PASS
174	95	50	100	85.8	23880	PASS
175	174	5	9	7.4	1770	PASS
176	174	95	101	96.3	22997	PASS
177	176	5	9	6.3	1440	PASS

KEW 10-2-14

Average of 6.960 to 6.972 min.: BFB1001.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	175	57.05	740	74.10	4184	92.95	1165
37.05	1170	60.05	303	75.10	12922	94.00	3249
38.05	998	61.00	1154	76.05	1001	95.00	27837
39.10	486	62.10	1160	78.00	73	96.00	1930
45.10	327	63.00	928	78.90	669	104.00	76
47.05	422	67.20	68	79.90	94	117.00	73
48.20	81	68.00	2612	80.95	646	118.90	70
49.00	1102	69.00	2688	82.10	79	140.95	292
50.10	5011	70.05	171	86.95	1181	142.85	281
51.05	1581	72.10	68	87.95	1145	172.80	231
56.05	394	73.10	1297	91.95	746	173.90	23880

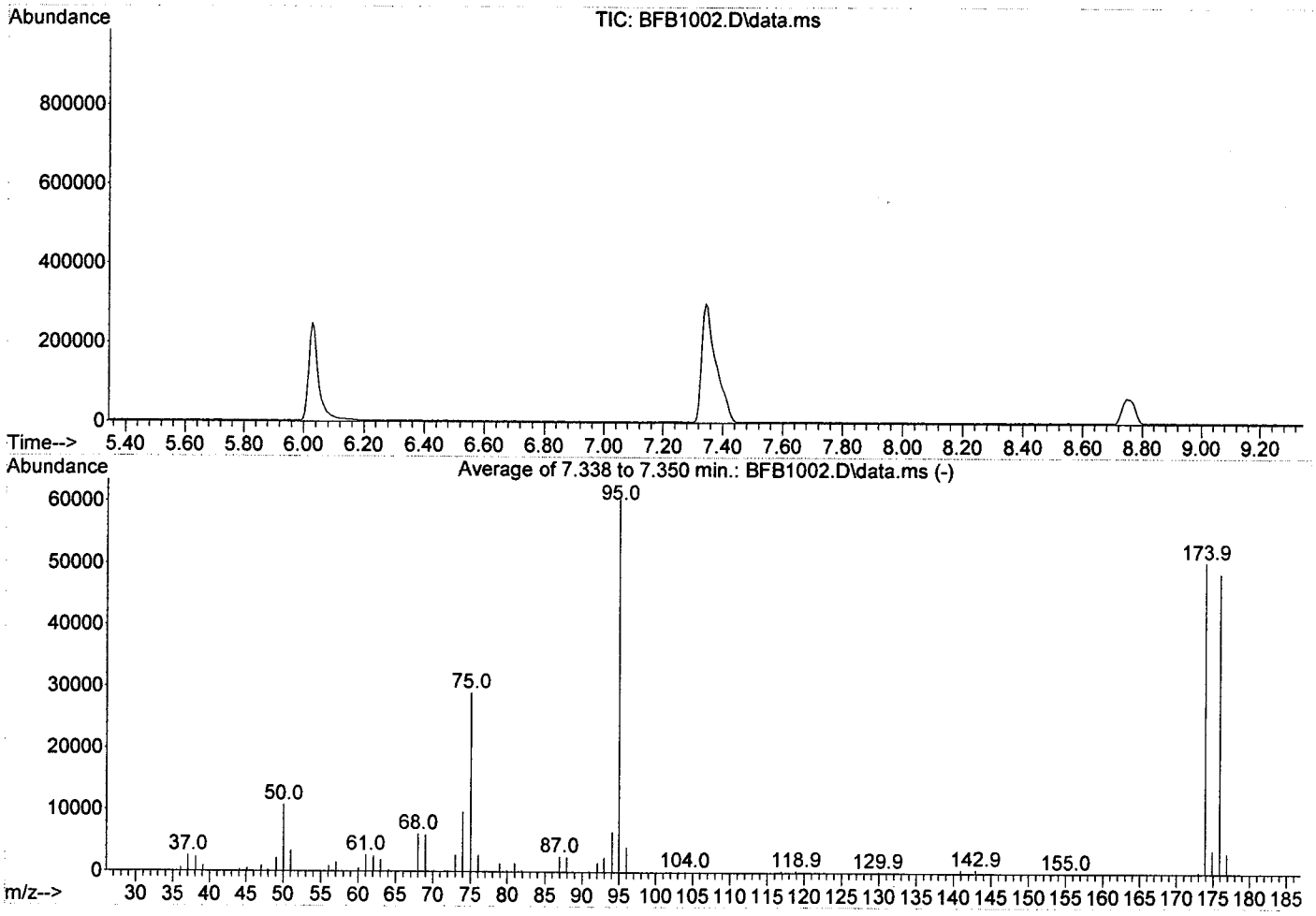
Average of 6.960 to 6.972 min.: BFB1001.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.95	1770						
175.90	22997						
176.90	1440						

Data Path : C:\gcms\1\data\100214\
Data File : BFB1002.D
Acq On : 02 Oct 2014 07:41
Operator : DLV
Sample : BFB
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\gcms\1\methods\8260B-W38.M
Title : 8260B : 5030
Last Update : Thu Sep 18 07:00:36 2014



AutoFind: Scans 1009, 1010, 1011; Background Corrected with Scan 1001

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	10824	PASS
75	95	30	60	48.0	29003	PASS
95	95	100	100	100.0	60445	PASS
96	95	5	9	6.8	4128	PASS
173	174	0.00	2	0.7	347	PASS
174	95	50	100	83.6	50509	PASS
175	174	5	9	7.5	3794	PASS
176	174	95	101	96.4	48712	PASS
177	176	5	9	6.8	3306	PASS

Average of 7.338 to 7.350 min.: BFB1002.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	635	51.05	3471	69.00	6038	77.85	159
37.05	2634	52.00	91	69.90	160	78.10	73
38.10	2341	56.05	934	70.15	242	78.95	1391
39.10	947	57.05	1504	72.00	192	79.90	300
44.05	360	58.00	70	72.20	69	80.10	162
45.10	551	60.05	546	73.00	2721	80.95	1415
47.05	923	61.05	2721	74.00	9693	81.90	354
47.90	225	62.05	2535	75.05	29003	86.95	2559
48.10	139	63.05	1974	76.05	2757	87.95	2460
49.10	2194	64.10	275	76.85	217	90.85	198
50.05	10824	68.00	6106	77.20	194	92.05	1529

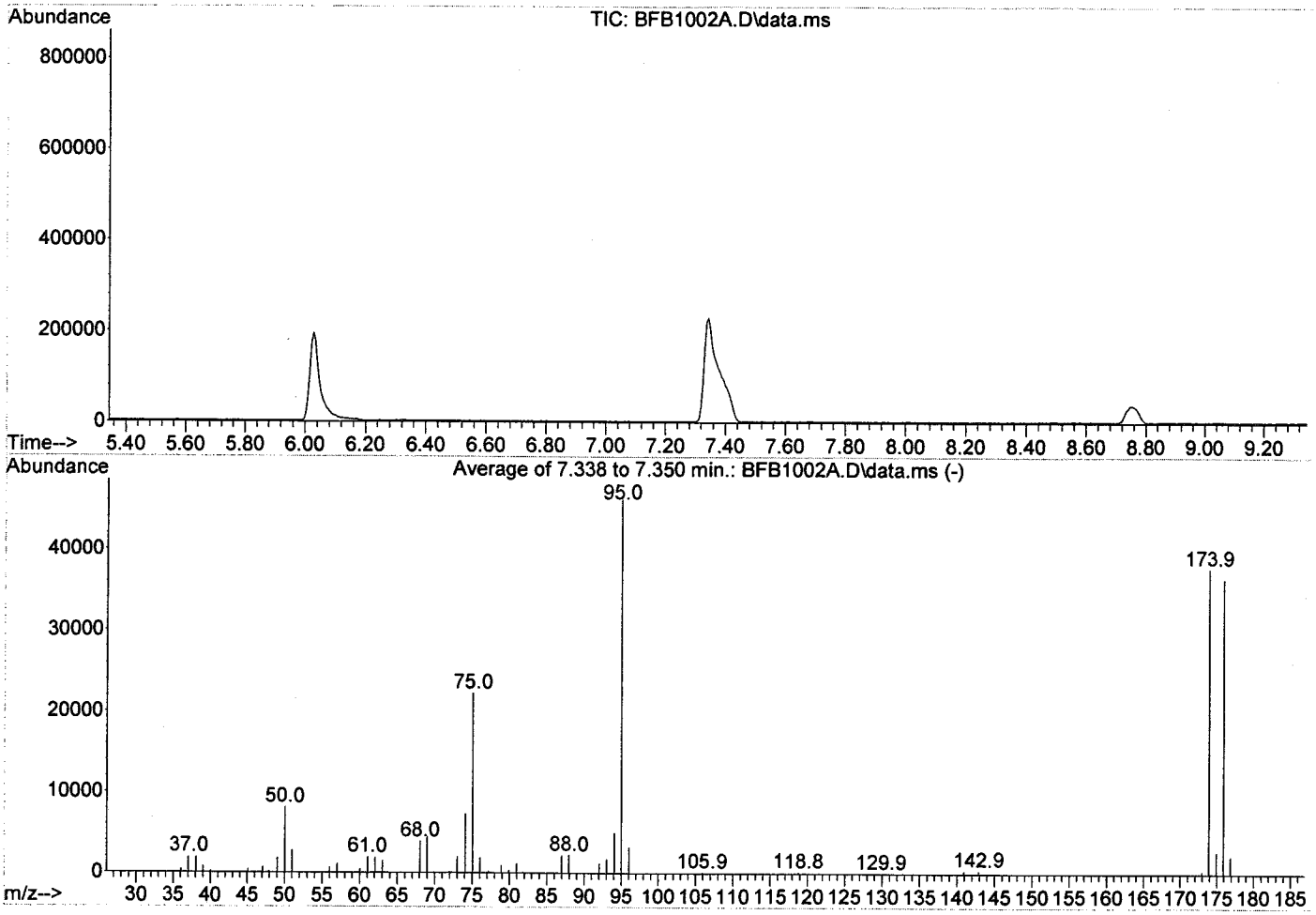
Average of 7.338 to 7.350 min.: BFB1002.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	2400	129.90	179				
94.05	6608	140.95	592				
95.00	60445	142.95	619				
96.00	4128	155.00	73				
97.00	77	172.95	347				
103.95	269	173.90	50509				
105.95	169	174.90	3794				
116.90	339	175.90	48712				
117.90	165	176.90	3306				
118.90	366						
127.90	151						

Data Path : C:\gcms\1\data\100214\
Data File : BFB1002A.D
Acq On : 02 Oct 2014 19:26
Operator : DLV
Sample : BFB
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\gcms\1\methods\8260-W39C.M
Title : 8260B : 5030
Last Update : Thu Oct 02 12:02:07 2014



AutoFind: Scans 1009, 1010, 1011; Background Corrected with Scan 1001

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.6	8125	PASS
75	95	30	60	48.2	22277	PASS
95	95	100	100	100.0	46227	PASS
96	95	5	9	7.0	3244	PASS
173	174	0.00	2	1.0	385	PASS
174	95	50	100	81.6	37739	PASS
175	174	5	9	7.2	2733	PASS
176	174	95	101	96.7	36477	PASS
177	176	5	9	6.1	2233	PASS

KCW 10-8-14

Average of 7.338 to 7.350 min.: BFB1002A.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	468	51.05	2797	69.90	114	78.90	972
37.05	1936	55.00	71	70.10	116	79.90	373
38.05	1882	56.00	681	71.90	201	80.95	1160
39.00	836	57.00	1085	72.20	198	81.80	148
40.00	238	60.05	483	73.00	2013	86.95	2186
45.10	442	61.05	1963	74.05	7292	87.95	2246
47.10	726	62.05	1938	75.05	22277	92.05	1230
47.90	238	63.05	1466	76.05	1902	93.05	1788
48.20	87	64.00	75	76.90	127	94.05	5039
49.05	1791	68.05	3900	77.20	244	95.00	46227
50.05	8125	69.00	4481	78.00	87	96.05	3244

Average of 7.338 to 7.350 min.: BFB1002A.D\data.ms
BFB
Modified:subtracted

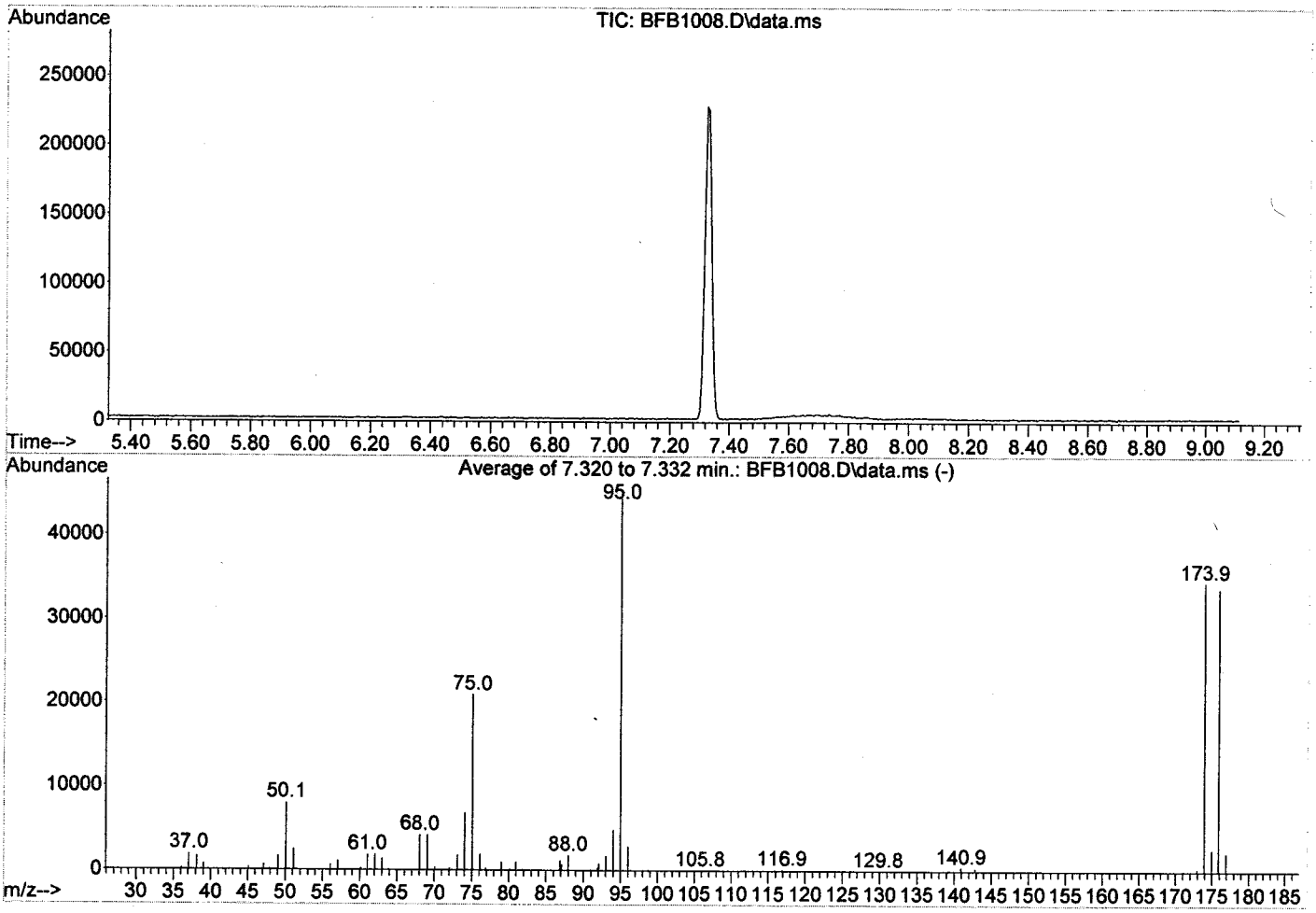
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
104.10	72	174.95	2733				
105.90	166	175.90	36477				
116.80	171	176.90	2233				
117.00	77						
118.80	192						
129.90	81						
140.90	405						
142.90	430						
171.80	76						
172.95	385						
173.90	37739						

350 BFB

Data Path : C:\gcms\1\data\100814\
Data File : BFB1008.D
Acq On : 08 Oct 2014 09:01
Operator : DLV
Sample : BFB
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\gcms\1\methods\8260S-16.M
Title : 8260C : 5030 wtr
Last Update : Wed Oct 08 12:46:51 2014



AutoFind: Scans 1006, 1007, 1008; Background Corrected with Scan 999

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	8022	PASS
75	95	30	60	47.2	20936	PASS
95	95	100	100	100.0	44347	PASS
96	95	5	9	6.6	2916	PASS
173	174	0.00	2	0.9	321	PASS
174	95	50	100	77.8	34491	PASS
175	174	5	9	7.5	2602	PASS
176	174	95	101	97.8	33744	PASS
177	176	5	9	6.6	2214	PASS

001657

Average of 7.320 to 7.332 min.: BFB1008.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	120	50.10	8022	63.90	105	77.20	76
36.10	272	51.10	2521	64.20	79	77.80	86
37.05	1932	52.10	73	68.05	4226	79.00	1016
38.10	1649	54.90	75	69.05	4241	80.15	190
39.05	756	56.05	664	70.05	394	80.95	1026
44.00	108	57.05	1129	72.05	299	81.85	150
45.10	388	60.00	145	73.10	1821	86.90	1207
46.90	129	60.15	269	74.05	6874	87.10	769
47.15	681	61.05	1861	75.05	20936	87.95	1831
47.90	171	62.05	1865	76.10	1966	90.95	156
49.05	1689	63.05	1398	76.90	285	91.90	361

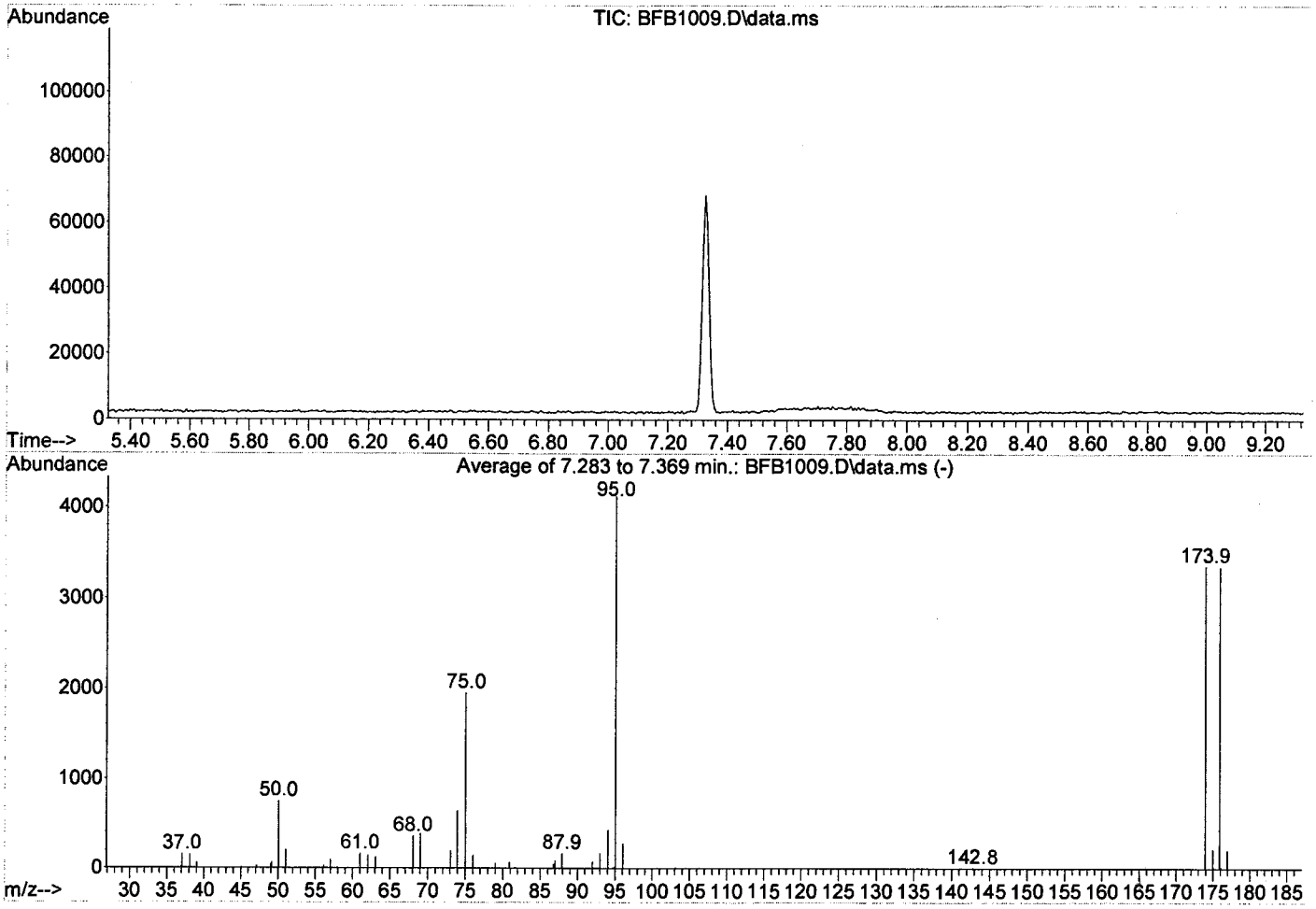
Average of 7.320 to 7.332 min.: BFB1008.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.05	884	118.90	68				
93.05	1755	129.80	67				
94.00	4886	140.95	465				
95.00	44347	142.85	374				
96.00	2916	172.95	321				
103.80	75	173.90	34491				
105.80	77	174.95	2602				
115.95	137	175.90	33744				
116.90	187	176.90	2214				
117.90	71						
118.10	70						

Data Path : C:\gcms\1\data\100914\
Data File : BFB1009.D
Acq On : 09 Oct 2014 07:28
Operator : DLV
Sample : BFB
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\gcms\1\methods\8260S-17C.M
Title : 8260C : 5030 wtr
Last Update : Wed Oct 08 12:51:55 2014



AutoFind: Averaged scan 1000 to 1014; Bkg corrected with scan 999

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	754	PASS
75	95	30	60	47.3	1952	PASS
95	95	100	100	100.0	4131	PASS
96	95	5	9	6.9	283	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.4	3362	PASS
175	174	5	9	6.5	218	PASS
176	174	95	101	99.7	3353	PASS
177	176	5	9	6.2	208	PASS

LCW 10-10-14

Average of 7.283 to 7.369 min.: BFB1009.D\data.ms
BFB
Modified:subtracted

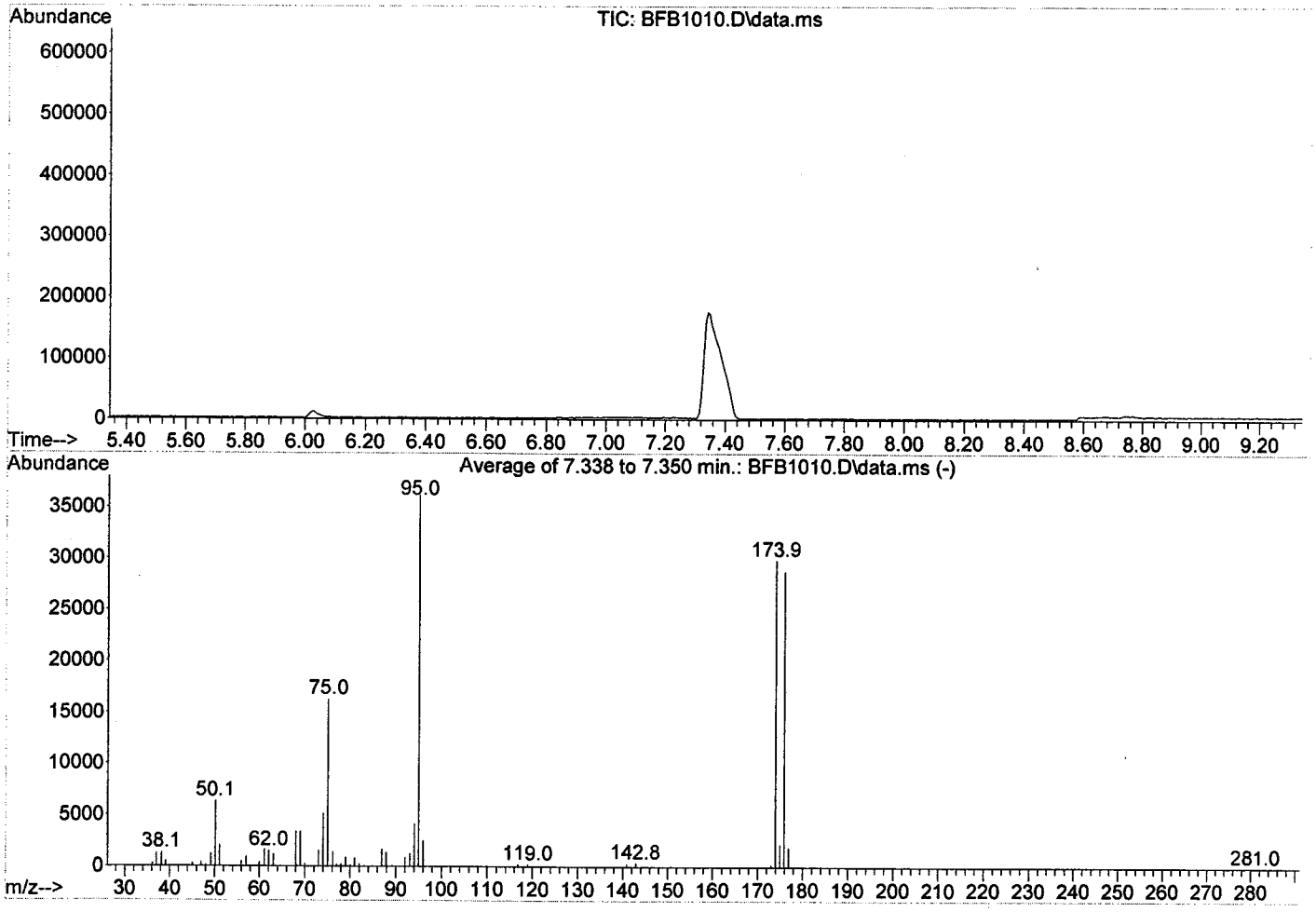
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.90	20	57.00	102	80.90	71	173.90	3362
37.05	158	61.00	166	86.80	50	174.95	218
38.10	155	62.05	148	87.00	92	175.90	3353
39.05	63	63.05	126	87.90	169	176.10	16
45.10	14	68.05	362	92.00	76	176.95	208
47.10	30	69.05	389	93.00	171		
49.00	50	73.05	195	94.05	432		
49.15	70	73.95	643	94.90	17		
50.05	754	75.05	1952	95.05	4131		
51.05	210	76.05	147	96.05	283		
56.10	32	79.00	62	142.80	13		

001660

Data Path : C:\gcms\1\data\101014\
Data File : BFB1010.D
Acq On : 10 Oct 2014 07:28
Operator : DLV
Sample : BFB
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\gcms\1\methods\8260S-17C.M
Title : 8260C : 5030 wtr
Last Update : Wed Oct 08 12:51:55 2014



AutoFind: Scans 1009, 1010, 1011; Background Corrected with Scan 1001

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.6	6355	PASS
75	95	30	60	45.1	16316	PASS
95	95	100	100	100.0	36155	PASS
96	95	5	9	7.0	2543	PASS
173	174	0.00	2	0.8	225	PASS
174	95	50	100	82.7	29888	PASS
175	174	5	9	7.5	2230	PASS
176	174	95	101	96.3	28795	PASS
177	176	5	9	6.7	1920	PASS

Average of 7.338 to 7.350 min.: BFB1010.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	317	55.95	498	72.30	69	81.95	252
37.05	1279	57.05	987	73.05	1550	86.95	1709
38.15	1355	60.00	411	74.05	5165	87.95	1397
39.10	555	61.05	1656	75.05	16316	92.00	882
40.00	94	62.05	1550	76.15	1458	93.05	1295
45.05	316	63.05	1210	76.95	246	94.05	4173
47.00	422	65.20	72	77.95	258	95.00	36155
48.05	218	68.05	3418	78.95	903	96.00	2543
49.10	1232	69.05	3457	79.90	72	103.90	87
50.10	6355	70.05	296	80.05	185	116.80	245
51.05	2075	71.90	91	81.00	844	117.90	67

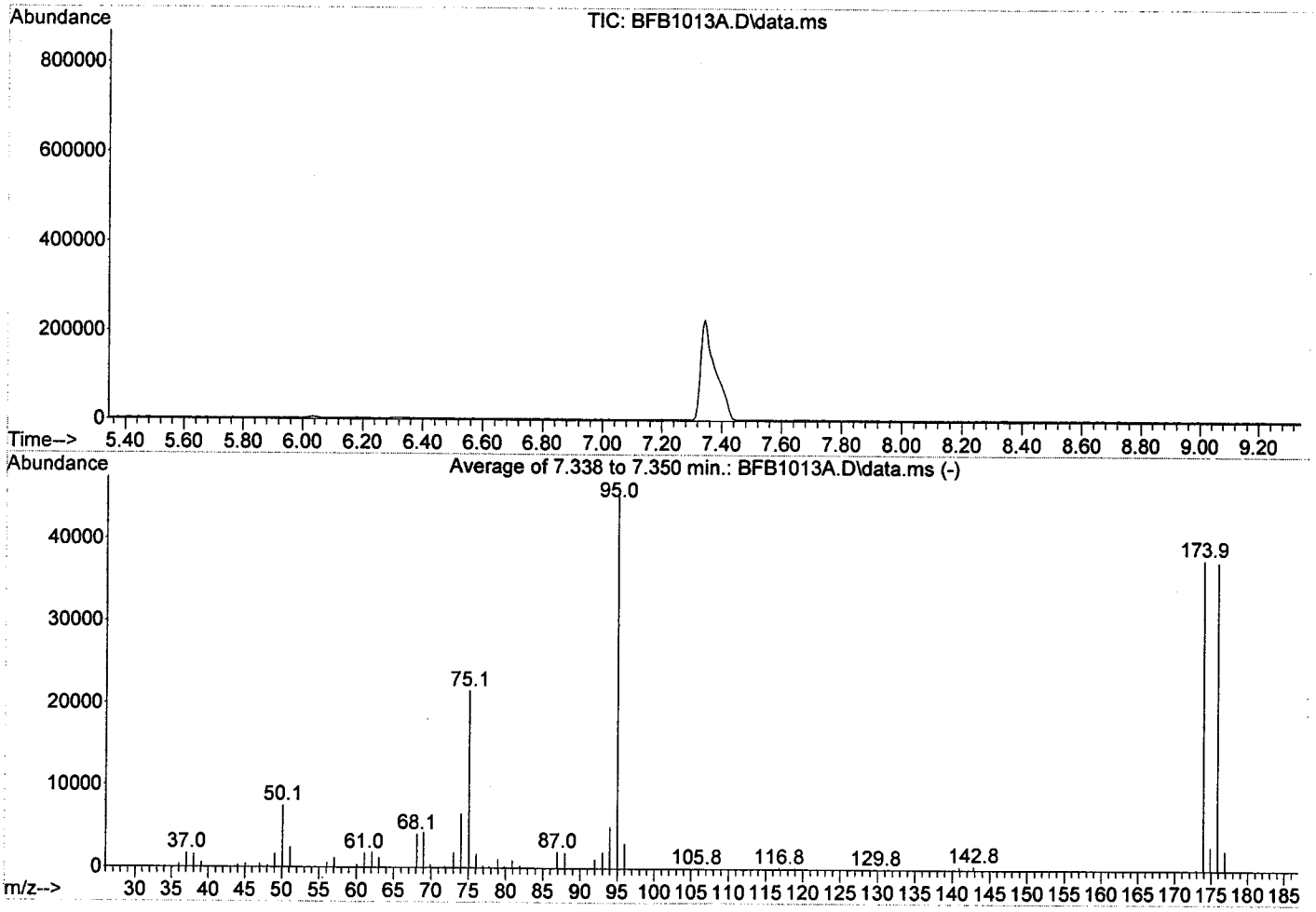
Average of 7.338 to 7.350 min.: BFB1010.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
118.95	255						
140.85	306						
142.85	404						
147.80	68						
150.00	69						
172.95	225						
173.90	29888						
174.95	2230						
175.90	28795						
176.90	1920						
281.00	72						

Data Path : C:\gcms\1\data\101314\
Data File : BFB1013A.D
Acq On : 13 Oct 2014 19:11
Operator : DLV
Sample : BFB
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\gcms\1\methods\8260-W39C.M
Title : 8260B : 5030
Last Update : Thu Oct 02 12:02:07 2014



AutoFind: Scans 1009, 1010, 1011; Background Corrected with Scan 1001

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	7533	PASS
75	95	30	60	47.8	21611	PASS
95	95	100	100	100.0	45216	PASS
96	95	5	9	6.8	3096	PASS
173	174	0.00	2	0.5	191	PASS
174	95	50	100	83.7	37829	PASS
175	174	5	9	7.7	2928	PASS
176	174	95	101	99.3	37547	PASS
177	176	5	9	6.6	2468	PASS

Average of 7.338 to 7.350 min.: BFB1013A.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	419	50.10	7533	69.00	4324	80.10	132
37.05	1746	51.10	2491	69.95	418	80.95	1008
38.05	1587	55.10	69	71.85	179	81.95	335
39.05	579	56.05	602	73.05	1886	86.95	2035
40.00	104	57.05	1176	74.05	6605	87.95	1898
44.00	318	60.05	409	75.10	21611	92.00	1157
45.05	472	61.05	1806	76.05	1703	93.00	2022
47.00	468	62.10	1916	76.95	257	94.00	5066
47.20	140	63.05	1246	77.75	217	95.00	45216
48.05	260	64.10	76	78.95	1103	96.00	3096
49.05	1673	68.10	4099	79.85	207	104.00	76

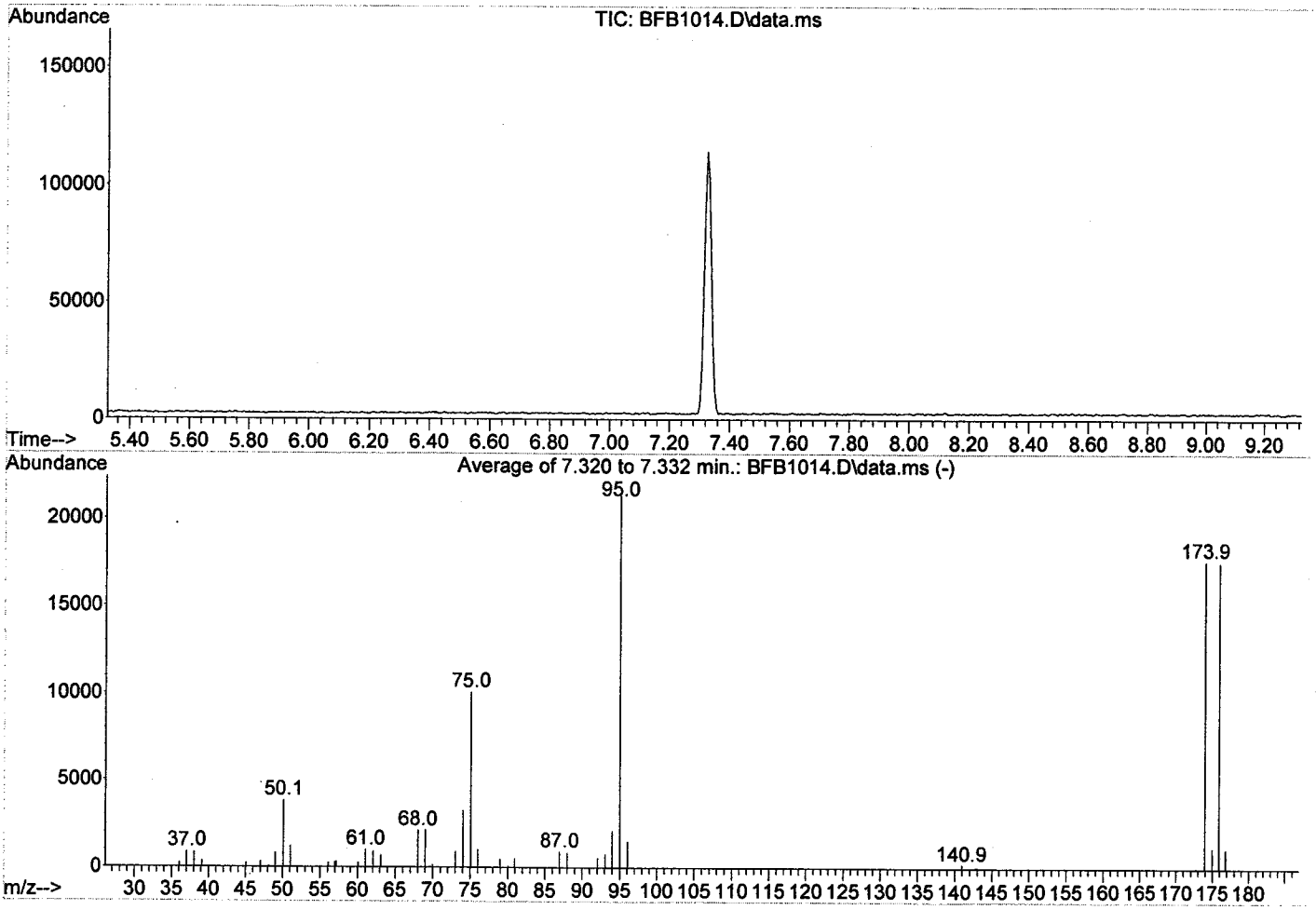
Average of 7.338 to 7.350 min.: BFB1013A.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.75	145	176.90	2468				
116.85	208						
117.85	166						
118.90	174						
129.80	79						
140.95	438						
142.85	485						
172.90	191						
173.90	37829						
174.90	2928						
175.90	37547						

Data Path : C:\gcms\1\data\101414\
Data File : BFB1014.D
Acq On : 14 Oct 2014 08:49
Operator : DLV
Sample : BFB
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\gcms\1\methods\8260S-17C.M
Title : 8260C : 5030 wtr
Last Update : Wed Oct 08 12:51:55 2014



AutoFind: Scans 1006, 1007, 1008; Background Corrected with Scan 999

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	3835	PASS
75	95	30	60	47.4	10097	PASS
95	95	100	100	100.0	21320	PASS
96	95	5	9	7.2	1531	PASS
173	174	0.00	2	0.5	86	PASS
174	95	50	100	82.8	17654	PASS
175	174	5	9	6.9	1211	PASS
176	174	95	101	99.5	17558	PASS
177	176	5	9	6.6	1157	PASS

LRW 10-15-14

Average of 7.320 to 7.332 min.: BFB1014.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	265	56.95	310	75.05	10097	95.00	21320
37.05	896	57.15	350	76.00	1046	96.05	1531
38.05	849	60.05	273	77.00	74	140.95	243
39.10	364	61.05	1021	78.95	489	142.80	91
45.05	276	62.05	938	80.00	84	143.00	78
47.00	370	63.10	721	80.95	543	172.70	86
48.10	84	68.00	2125	86.95	937	173.90	17654
49.00	842	69.00	2146	88.00	866	174.95	1211
50.10	3835	69.95	163	92.05	574	175.90	17558
51.05	1238	73.05	920	93.05	775	176.85	1157
56.10	274	74.05	3269	94.00	2113		

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410493-BLK1 File ID: BLK0930A.D

Prepared: 09/30/14 13:00 Analyzed: 09/30/14 16:59

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.0	ug/kg wet	4.2	5.0	5.0	U
71-43-2	Benzene	0.50	ug/kg wet	0.16	0.50	1.0	U
108-86-1	Bromobenzene	0.50	ug/kg wet	0.13	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/kg wet	0.36	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/kg wet	0.33	0.50	1.0	U
104-51-8	n-Butylbenzene	0.50	ug/kg wet	0.26	0.50	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/kg wet	0.21	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
75-15-0	Carbon Disulfide	0.50	ug/kg wet	0.23	0.50	1.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/kg wet	0.33	0.50	1.0	U
108-90-7	Chlorobenzene	0.50	ug/kg wet	0.15	0.50	1.0	U
75-00-3	Chloroethane	1.0	ug/kg wet	0.50	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/kg wet	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.50	ug/kg wet	0.26	0.50	1.0	U
95-49-8	2-Chlorotoluene	0.50	ug/kg wet	0.29	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.20	ug/kg wet	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/kg wet	0.59	1.0	5.0	U
124-48-1	Dibromochloromethane	0.50	ug/kg wet	0.18	0.50	1.0	U
106-93-4	1,2-Dibromoethane	0.50	ug/kg wet	0.15	0.50	1.0	U
74-95-3	Dibromomethane	0.50	ug/kg wet	0.22	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/kg wet	0.093	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/kg wet	0.23	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/kg wet	0.31	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/kg wet	0.23	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	ug/kg wet	0.27	0.50	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/kg wet	0.17	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.50	ug/kg wet	0.14	0.50	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.50	ug/kg wet	0.28	0.50	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410493-BLK1 File ID: BLK0930A.D

Prepared: 09/30/14 13:00 Analyzed: 09/30/14 16:59

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410493 Sequence: 4J01003 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.20	ug/kg wet	0.11	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-41-4	Ethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
87-68-3	Hexachlorobutadiene	0.50	ug/kg wet	0.21	0.50	1.0	U
591-78-6	2-Hexanone	0.50	ug/kg wet	0.48	0.50	5.0	U
98-82-8	Isopropylbenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-09-2	Methylene Chloride	1.0	ug/kg wet	0.47	1.0	5.0	U
78-93-3	2-Butanone (MEK)	1.7	ug/kg wet	1.1	5.0	5.0	J
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	ug/kg wet	0.39	0.50	5.0	U
91-20-3	Naphthalene	0.50	ug/kg wet	0.16	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-42-5	Styrene	0.20	ug/kg wet	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/kg wet	0.15	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/kg wet	0.17	0.50	1.0	U
108-88-3	Toluene	0.20	ug/kg wet	0.099	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/kg wet	0.29	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
79-01-6	Trichloroethene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.15	ug/kg wet	0.11	0.50	1.0	J
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/kg wet	0.20	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/kg wet	0.14	0.40	2.0	U
95-47-6	Xylene, Ortho	0.20	ug/kg wet	0.11	0.20	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	40.3	101	78 - 119	
1,2-Dichloroethane-d4	40.0	41.7	104	71 - 136	
Toluene-d8	40.0	39.0	97	85 - 116	
4-Bromofluorobenzene	40.0	40.0	100	79 - 119	

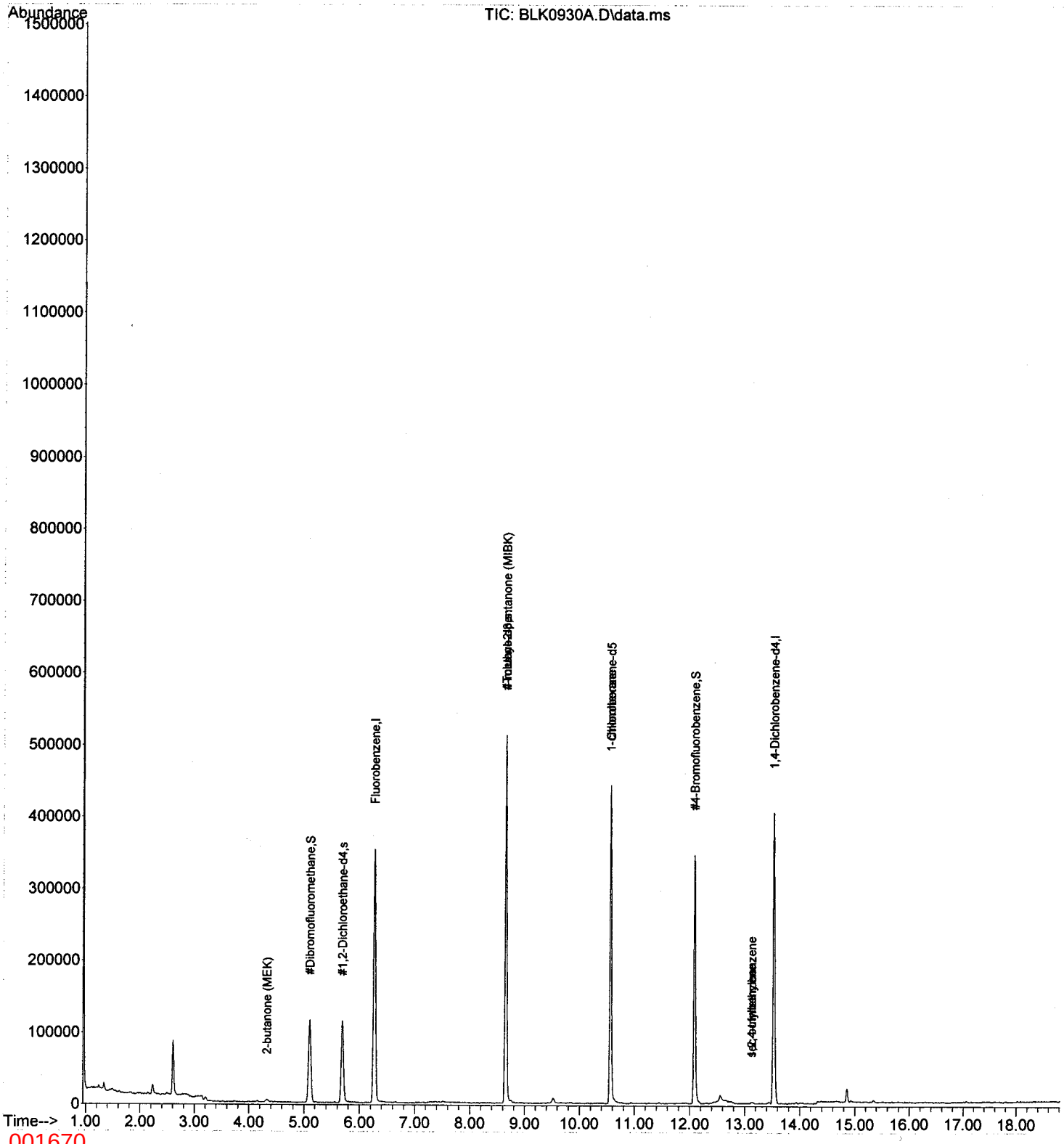
METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410493-BLK1
File ID: BLK0930A.D
Prepared: 09/30/14 13:00
Analyzed: 09/30/14 16:59
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410493
Sequence: 4J01003
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	453503	6.266	452903	6.266	
Chlorobenzene-d5	304009	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	143038	13.53	157021	13.525	

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : BLK0930A.D
Acq On : 30 Sep 2014 16:59
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 07:19:10 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



001670

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : BLK0930A.D
Acq On : 30 Sep 2014 16:59
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 07:19:10 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	453503	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	304009	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	143038	40.00	ug/L.	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	115053	40.34	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.85%		
37) #1,2-Dichloroethane-d4	5.690	67	67824	41.70	ug/L	0.00
Spiked Amount 40.000			Recovery =	104.25%		
46) #Toluene-d8	8.654	98	429241	38.98	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.45%		
64) #4-Bromofluorobenzene	12.083	95	152475	40.01	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.02%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	19119	Below Cal		92
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	42865	Below Cal		97
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	9335	1.68	ug/L	92
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

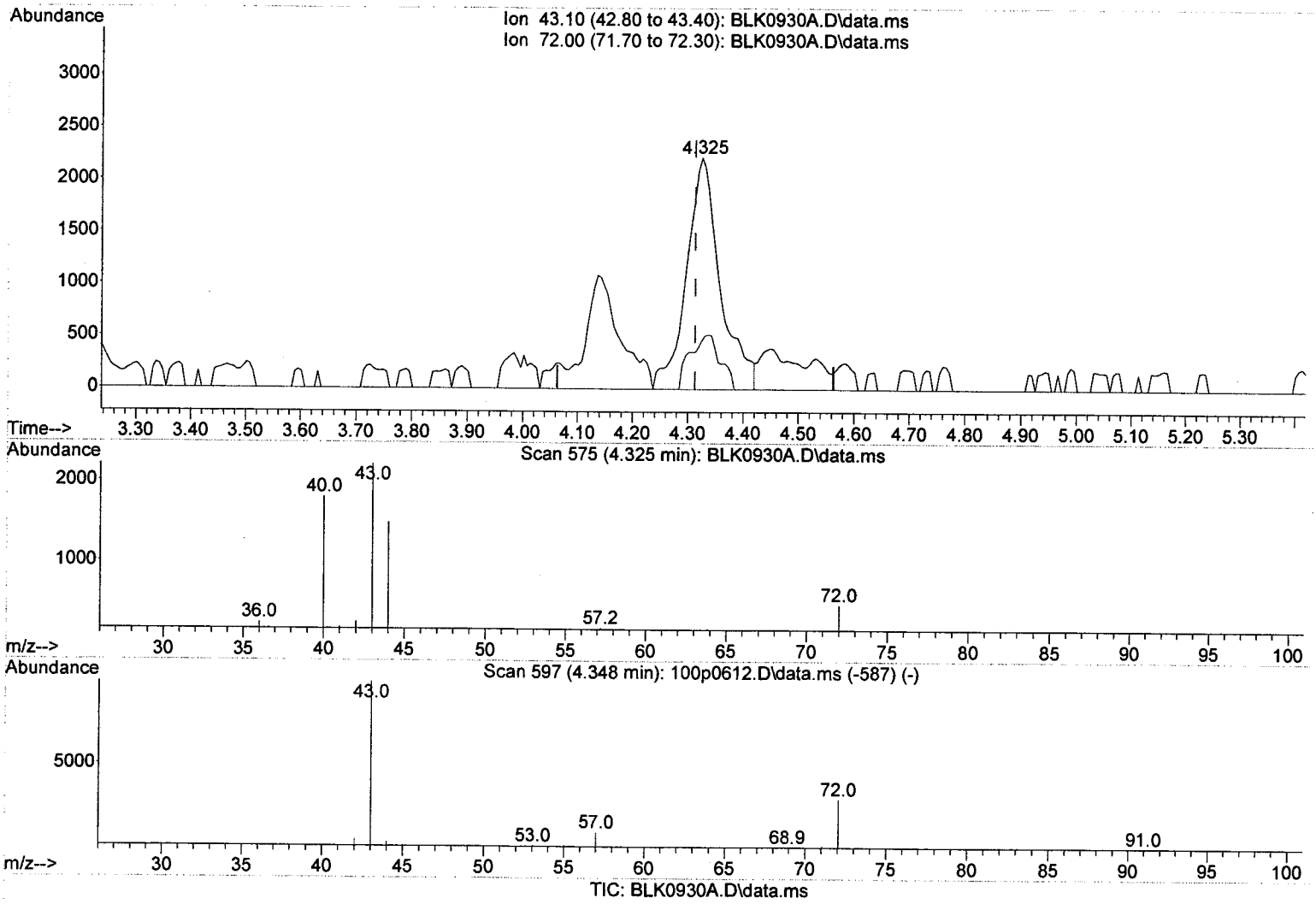
InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : BLK0930A.D
Acq On : 30 Sep 2014 16:59
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 07:19:10 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	8.654	43	1513	~~0.44~~ ug/L #	1
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2596	0.65 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.124	105	1982	0.15 ug/L #	32
77) sec-butylbenzene	13.124	105	1982	0.11 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : BLK0930A.D
Acq On : 30 Sep 2014 16:59
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 07:19:10 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: BLK0930A.D\data.ms

(25) 2-butanone (MEK)

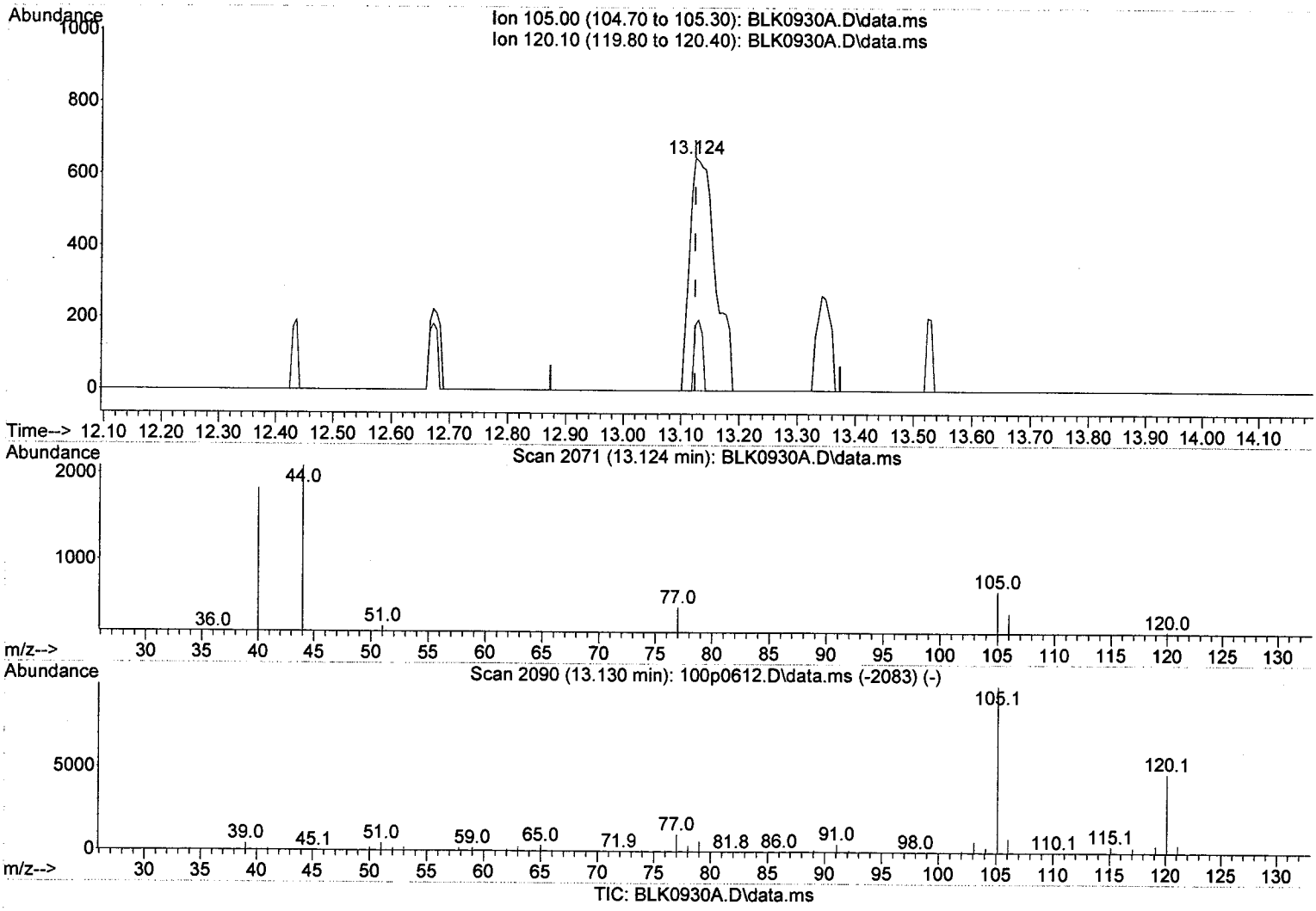
4.325min (+ 0.012) 1.68 ug/L

response 9335

Ion	Exp%	Act%
43.10	100.00	100.00
72.00	25.00	20.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : BLK0930A.D
Acq On : 30 Sep 2014 16:59
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 01 07:19:10 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



(76) 1,2,4-trimethylbenzene

13.124min (+ 0.000) 0.15 ug/L

response 1982

Ion	Exp%	Act%
105.00	100.00	100.00
120.10	44.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410523-BLK1
File ID: BLK1001.D
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 10:29
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.0	ug/kg wet	4.2	5.0	5.0	U
71-43-2	Benzene	0.50	ug/kg wet	0.16	0.50	1.0	U
108-86-1	Bromobenzene	0.50	ug/kg wet	0.13	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/kg wet	0.36	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/kg wet	0.33	0.50	1.0	U
104-51-8	n-Butylbenzene	0.50	ug/kg wet	0.26	0.50	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/kg wet	0.21	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
75-15-0	Carbon Disulfide	0.50	ug/kg wet	0.23	0.50	1.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/kg wet	0.33	0.50	1.0	U
108-90-7	Chlorobenzene	0.50	ug/kg wet	0.15	0.50	1.0	U
75-00-3	Chloroethane	1.0	ug/kg wet	0.50	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/kg wet	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.50	ug/kg wet	0.26	0.50	1.0	U
95-49-8	2-Chlorotoluene	0.50	ug/kg wet	0.29	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.20	ug/kg wet	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/kg wet	0.59	1.0	5.0	U
124-48-1	Dibromochloromethane	0.50	ug/kg wet	0.18	0.50	1.0	U
106-93-4	1,2-Dibromoethane	0.50	ug/kg wet	0.15	0.50	1.0	U
74-95-3	Dibromomethane	0.50	ug/kg wet	0.22	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/kg wet	0.093	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/kg wet	0.23	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/kg wet	0.31	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/kg wet	0.23	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	ug/kg wet	0.27	0.50	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/kg wet	0.17	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.50	ug/kg wet	0.14	0.50	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.50	ug/kg wet	0.28	0.50	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410523-BLK1 File ID: BLK1001.D

Prepared: 10/01/14 08:00 Analyzed: 10/01/14 10:29

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410523 Sequence: 4J01040 Calibration: 4J01002 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.20	ug/kg wet	0.11	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-41-4	Ethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
87-68-3	Hexachlorobutadiene	0.50	ug/kg wet	0.21	0.50	1.0	U
591-78-6	2-Hexanone	0.50	ug/kg wet	0.48	0.50	5.0	U
98-82-8	Isopropylbenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-09-2	Methylene Chloride	5.6	ug/kg wet	0.47	1.0	5.0	
78-93-3	2-Butanone (MEK)	5.0	ug/kg wet	1.1	5.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	ug/kg wet	0.39	0.50	5.0	U
91-20-3	Naphthalene	0.50	ug/kg wet	0.16	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-42-5	Styrene	0.20	ug/kg wet	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/kg wet	0.15	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/kg wet	0.17	0.50	1.0	U
108-88-3	Toluene	0.20	ug/kg wet	0.099	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/kg wet	0.29	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
79-01-6	Trichloroethene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/kg wet	0.11	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/kg wet	0.20	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/kg wet	0.14	0.40	2.0	U
95-47-6	Xylene, Ortho	0.20	ug/kg wet	0.11	0.20	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	40.6	102	78 - 119	
1,2-Dichloroethane-d4	40.0	40.9	102	71 - 136	
Toluene-d8	40.0	39.6	99	85 - 116	
4-Bromofluorobenzene	40.0	38.9	97	79 - 119	

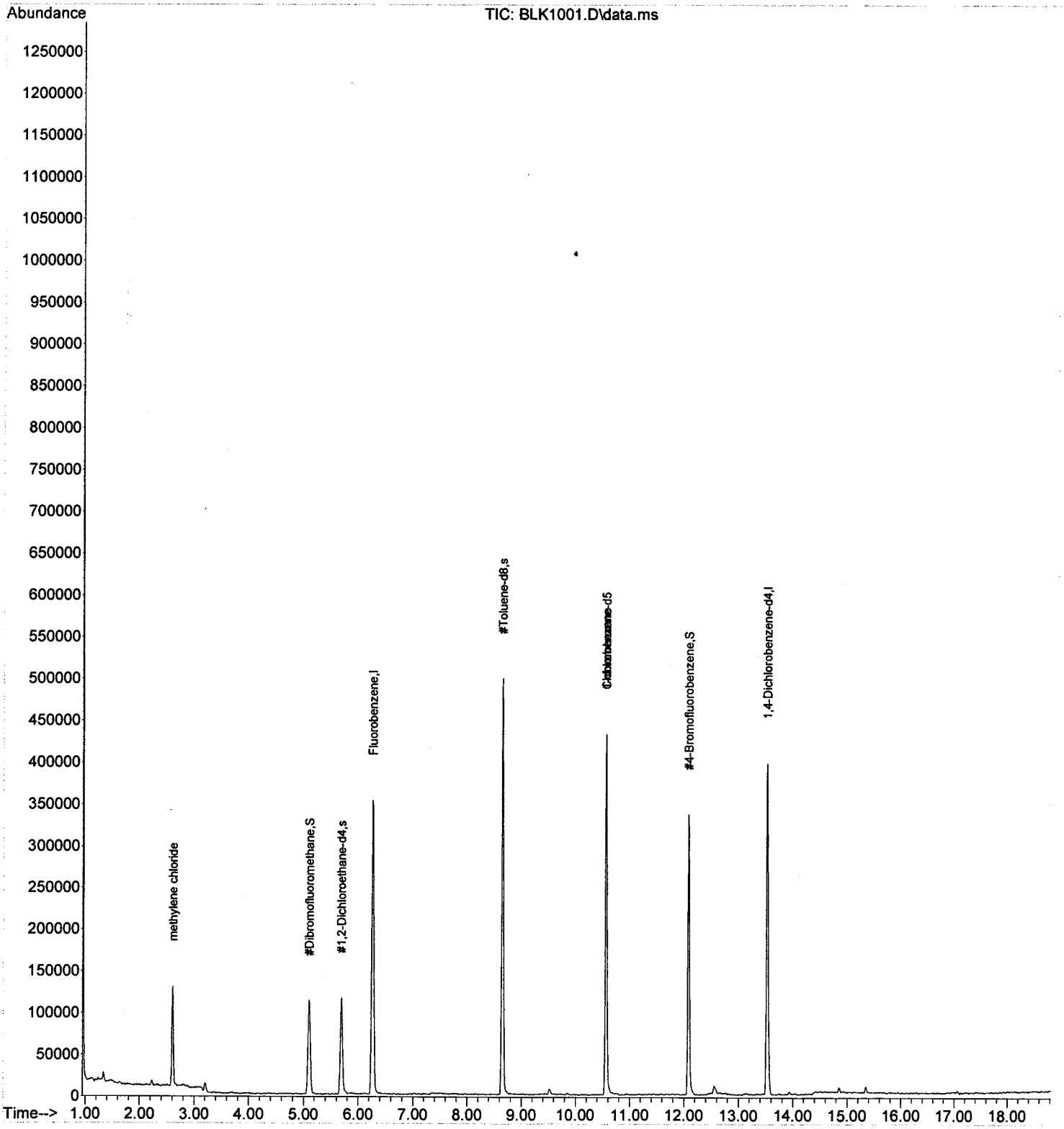
METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410523-BLK1
File ID: BLK1001.D
Prepared: 10/01/14 08:00
Analyzed: 10/01/14 10:29
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410523
Sequence: 4J01040
Calibration: 4J01002
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	441014	6.266	452903	6.266	
Chlorobenzene-d5	301430	10.566	309516	10.56	
1,4-Dichlorobenzene-d4	140982	13.53	157021	13.525	

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : BLK1001.D
Acq On : 01 Oct 2014 10:29
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 01 12:04:38 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



001678

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : BLK1001.D
Acq On : 01 Oct 2014 10:29
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 01 12:04:38 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	441014	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	301430	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	140982	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	112625	40.61	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.53%				
37) #1,2-Dichloroethane-d4	5.690	67	64752	40.94	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.35%				
46) #Toluene-d8	8.654	98	423994	39.59	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.98%				
64) #4-Bromofluorobenzene	12.083	95	147030	38.91	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.27%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.225	43	8647	Below Cal			100
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	72733	5.55	ug/L		100
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.331	43	1583	Below Cal		#	50
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

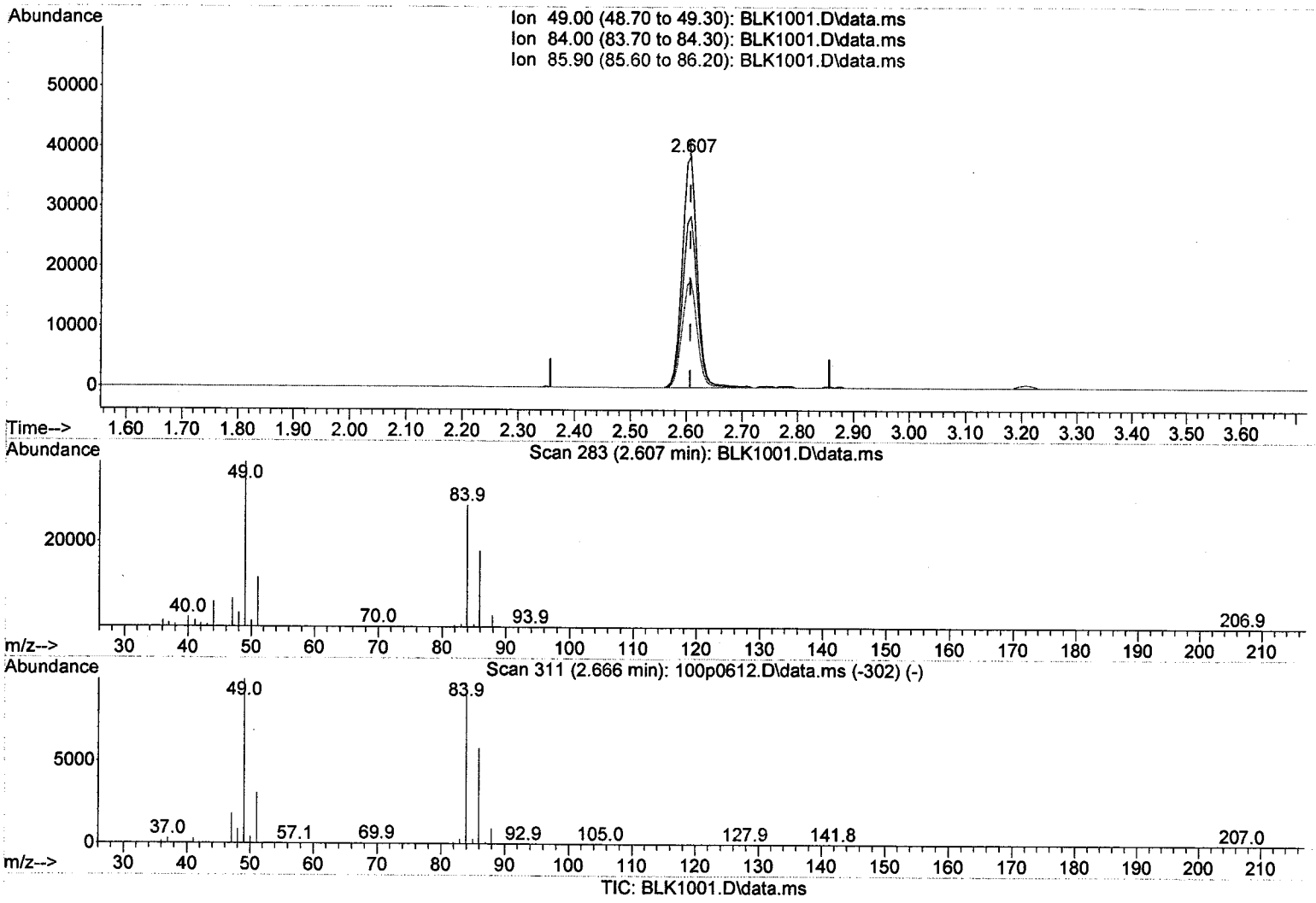
InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : BLK1001.D
Acq On : 01 Oct 2014 10:29
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 01 12:04:38 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.566	55	2496	0.63 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : BLK1001.D
Acq On : 01 Oct 2014 10:29
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 01 12:04:38 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



TIC: BLK1001.D\data.ms

(17) methylene chloride

2.607min (+ 0.000) 5.55 ug/L

response 72733

Ion	Exp%	Act%
49.00	100.00	100.00
84.00	73.60	73.54
85.90	47.40	46.78
0.00	0.00	0.00

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410719-BLK1 File ID: BLK1002A.D

Prepared: 10/02/14 15:00 Analyzed: 10/02/14 21:11

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	2.1	ug/L	1.6	5.0	5.0	J
71-43-2	Benzene	0.20	ug/L	0.20	0.20	1.0	U
108-86-1	Bromobenzene	0.50	ug/L	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/L	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/L	0.13	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/L	0.18	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/L	0.22	0.50	1.0	U
104-51-8	n-Butylbenzene	0.20	ug/L	0.11	0.20	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/L	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/L	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	0.20	ug/L	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/L	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	0.20	ug/L	0.20	0.20	1.0	U
75-00-3	Chloroethane	1.0	ug/L	0.23	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/L	0.14	0.50	1.0	U
74-87-3	Chloromethane	1.0	ug/L	0.26	1.0	1.0	U
95-49-8	2-Chlorotoluene	0.50	ug/L	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.50	ug/L	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/L	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	0.20	ug/L	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	0.20	ug/L	0.11	0.20	1.0	U
74-95-3	Dibromomethane	0.50	ug/L	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/L	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/L	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/L	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/L	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/L	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/L	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/L	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/L	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/L	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.20	ug/L	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/L	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.20	ug/L	0.11	0.20	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410719-BLK1 File ID: BLK1002A.D

Prepared: 10/02/14 15:00 Analyzed: 10/02/14 21:11

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1410719 Sequence: 4J04001 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.50	ug/L	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.20	ug/L	0.20	0.20	1.0	U
100-41-4	Ethylbenzene	0.20	ug/L	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1.0	ug/L	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1.0	ug/L	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	0.50	ug/L	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/L	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	0.10	ug/L	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	1.0	ug/L	0.35	1.0	1.0	U
78-93-3	2-Butanone (MEK)	1.0	ug/L	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	ug/L	0.41	1.0	5.0	U
91-20-3	Naphthalene	0.50	ug/L	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/L	0.16	0.50	1.0	U
100-42-5	Styrene	0.20	ug/L	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/L	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/L	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/L	0.13	0.50	1.0	U
108-88-3	Toluene	0.20	ug/L	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/L	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/L	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.20	ug/L	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/L	0.11	0.50	1.0	U
79-01-6	Trichloroethene	0.20	ug/L	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/L	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/L	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/L	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/L	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/L	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	0.50	ug/L	0.12	0.50	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	40.4	101	80 - 119	
1,2-Dichloroethane-d4	40.0	40.3	101	81 - 118	
Toluene-d8	40.0	38.6	96	89 - 112	

METHOD BLANK DATA SHEET
USEPA-8260C

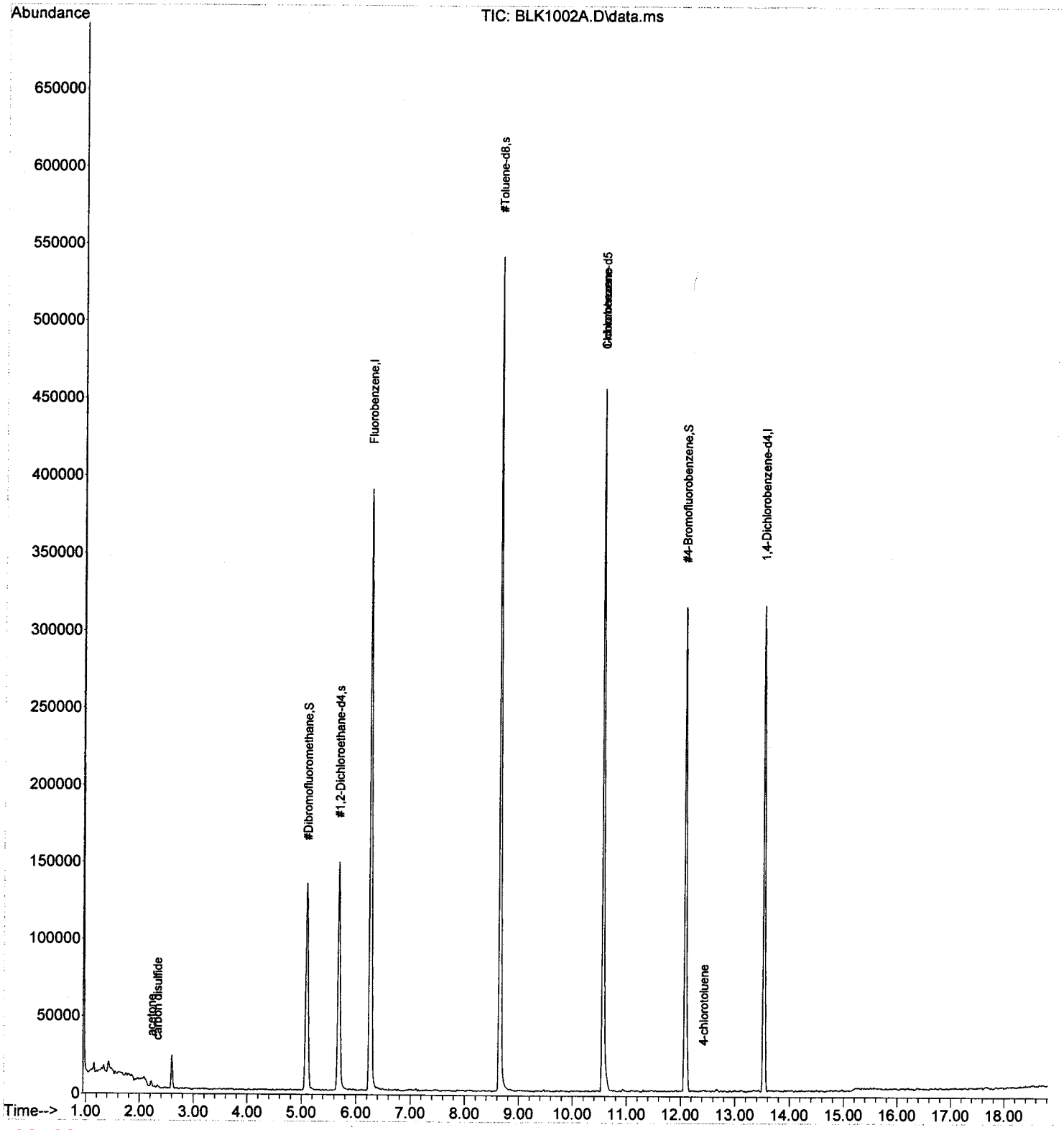
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410719-BLK1
File ID: BLK1002A.D
Prepared: 10/02/14 15:00
Analyzed: 10/02/14 21:11
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1410719
Sequence: 4J04001
Calibration: 4J02011
Instrument: 350

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
4-Bromofluorobenzene	40.0	36.8	92	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	494800	6.266	523953	6.266	
Chlorobenzene-d5	334841	10.566	369199	10.56	
1,4-Dichlorobenzene-d4	108635	13.53	177762	13.524	

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : BLK1002A.D
Acq On : 02 Oct 2014 21:11
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 31 Sample Multiplier: 1
Quant Time: Oct 04 11:43:36 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



001685

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : BLK1002A.D
Acq On : 02 Oct 2014 21:11
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 31 Sample Multiplier: 1
Quant Time: Oct 04 11:43:36 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	494800	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	334841	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	108635	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	132373	40.42	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.05%			
37) #1,2-Dichloroethane-d4	5.684	67	81859	40.26	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.65%			
46) #Toluene-d8	8.654	98	465435	38.60	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.50%			
64) #4-Bromofluorobenzene	12.083	95	153493	36.79	ug/L	0.00
Spiked Amount 40.000			Recovery = 91.97%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	5402	2.13	ug/L #	80
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	2.331	76	1952	~~0.23~~	ug/L #	74
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.602	49	12661	Below Cal		97
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	17902	No Calib	#	
38) trichloroethene	0.000		0	N.D.		

001686

Quantitation Report (Not Reviewed)

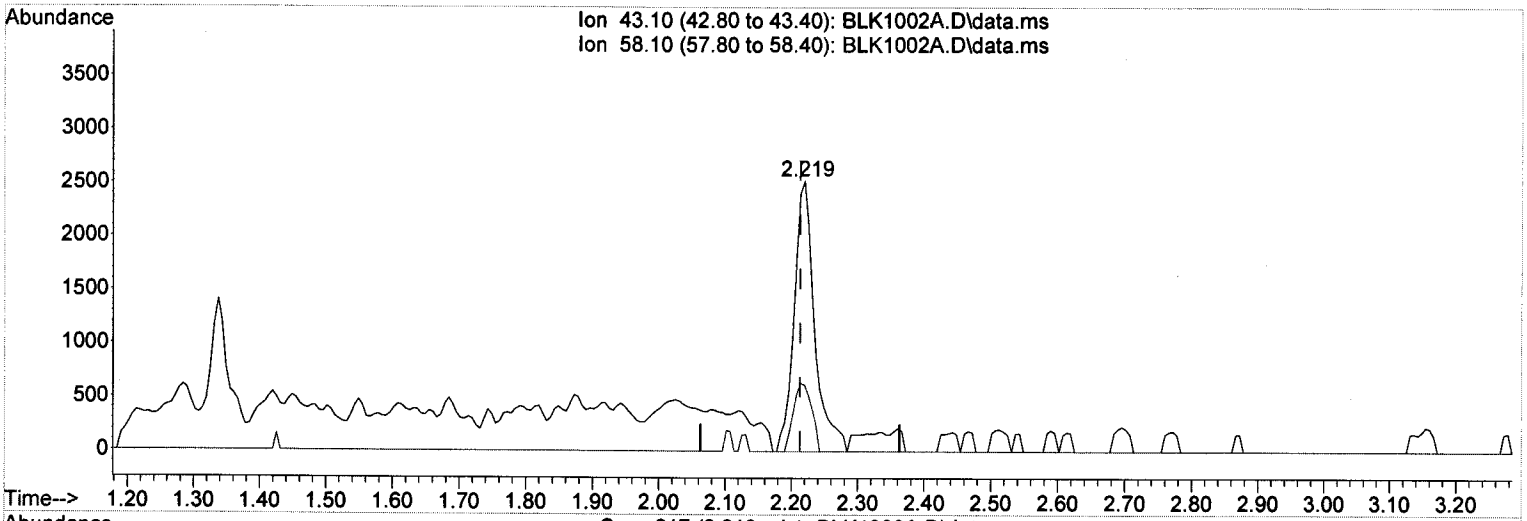
InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : BLK1002A.D
Acq On : 02 Oct 2014 21:11
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 31 Sample Multiplier: 1
Quant Time: Oct 04 11:43:36 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

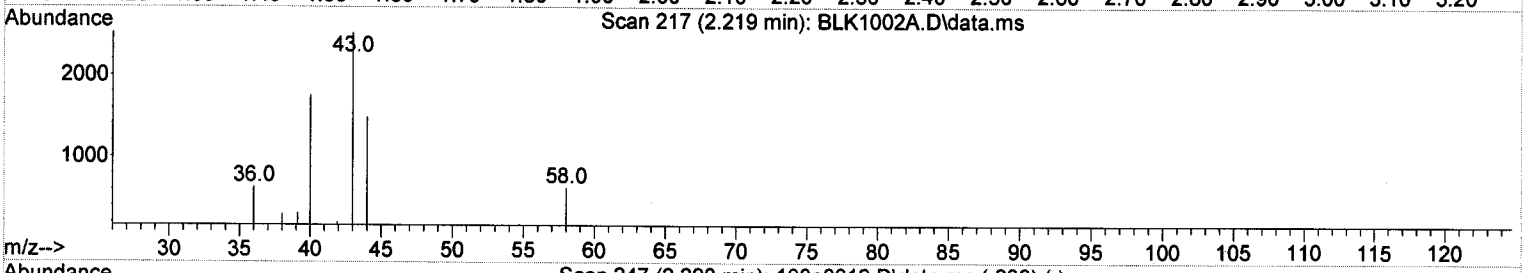
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.566	55	2505	0.74 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	12.430	91	1371	0.15 ug/L #	45
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

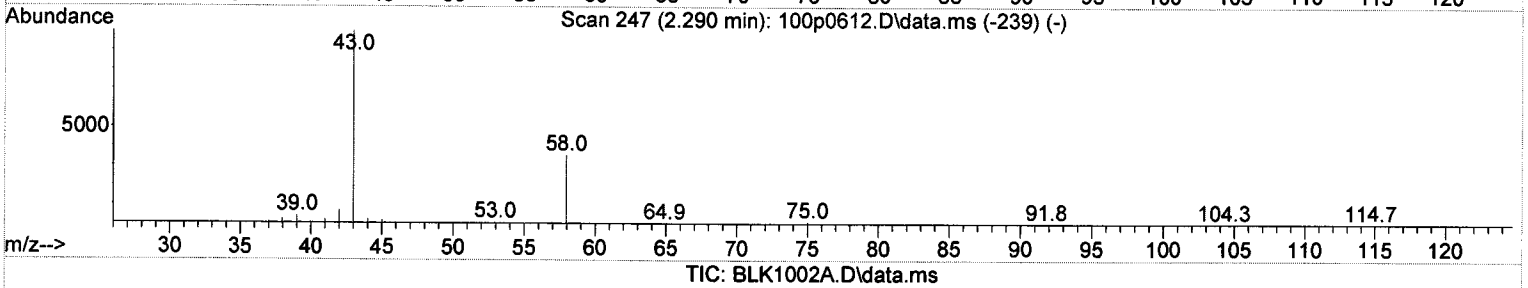
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : BLK1002A.D
Acq On : 02 Oct 2014 21:11
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 31 Sample Multiplier: 1
Quant Time: Oct 03 06:48:46 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration







TIC: BLK1002A.D\data.ms

(13) acetone

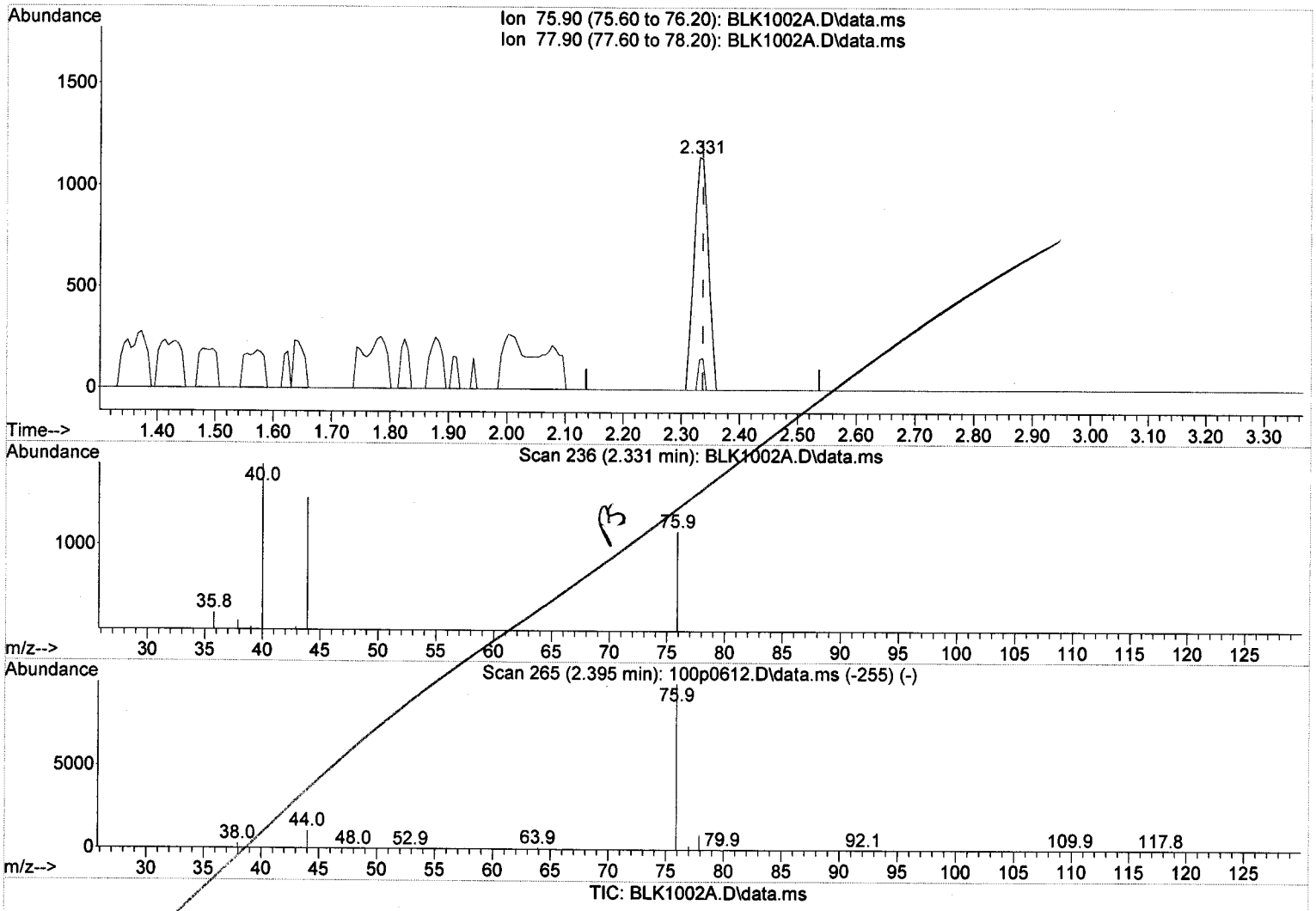
2.219min (+ 0.006) 2.13 ug/L

response 5402

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	33.80	22.51#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : BLK1002A.D
Acq On : 02 Oct 2014 21:11
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 31 Sample Multiplier: 1
Quant Time: Oct 03 06:48:46 2014
Quant Method : C:\gcms\1\methods\8260-W39.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:04:06 2014
Response via : Initial Calibration



(15) carbon disulfide

2.331min (-0.006) 0.23 ug/L

response 1952

Ion	Exp%	Act%
75.90	100.00	100.00
77.90	9.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410909-BLK1 File ID: BLK1008.D

Prepared: 10/08/14 08:00 Analyzed: 10/08/14 14:18

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410909 Sequence: 4J08061 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.0	ug/kg wet	4.2	5.0	5.0	U
71-43-2	Benzene	0.50	ug/kg wet	0.16	0.50	1.0	U
108-86-1	Bromobenzene	0.50	ug/kg wet	0.13	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/kg wet	0.36	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/kg wet	0.33	0.50	1.0	U
104-51-8	n-Butylbenzene	0.50	ug/kg wet	0.26	0.50	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/kg wet	0.21	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
75-15-0	Carbon Disulfide	0.50	ug/kg wet	0.23	0.50	1.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/kg wet	0.33	0.50	1.0	U
108-90-7	Chlorobenzene	0.50	ug/kg wet	0.15	0.50	1.0	U
75-00-3	Chloroethane	1.0	ug/kg wet	0.50	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/kg wet	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.50	ug/kg wet	0.26	0.50	1.0	U
95-49-8	2-Chlorotoluene	0.50	ug/kg wet	0.29	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.20	ug/kg wet	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/kg wet	0.59	1.0	5.0	U
124-48-1	Dibromochloromethane	0.50	ug/kg wet	0.18	0.50	1.0	U
106-93-4	1,2-Dibromoethane	0.50	ug/kg wet	0.15	0.50	1.0	U
74-95-3	Dibromomethane	0.50	ug/kg wet	0.22	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/kg wet	0.093	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/kg wet	0.23	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/kg wet	0.31	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/kg wet	0.23	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	ug/kg wet	0.27	0.50	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/kg wet	0.17	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.50	ug/kg wet	0.14	0.50	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.50	ug/kg wet	0.28	0.50	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410909-BLK1 File ID: BLK1008.D

Prepared: 10/08/14 08:00 Analyzed: 10/08/14 14:18

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410909 Sequence: 4J08061 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.20	ug/kg wet	0.11	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-41-4	Ethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
87-68-3	Hexachlorobutadiene	0.50	ug/kg wet	0.21	0.50	1.0	U
591-78-6	2-Hexanone	0.50	ug/kg wet	0.48	0.50	5.0	U
98-82-8	Isopropylbenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-09-2	Methylene Chloride	5.6	ug/kg wet	0.47	1.0	5.0	
78-93-3	2-Butanone (MEK)	5.0	ug/kg wet	1.1	5.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	ug/kg wet	0.39	0.50	5.0	U
91-20-3	Naphthalene	0.50	ug/kg wet	0.16	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-42-5	Styrene	0.20	ug/kg wet	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/kg wet	0.15	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/kg wet	0.17	0.50	1.0	U
108-88-3	Toluene	0.20	ug/kg wet	0.099	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/kg wet	0.29	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
79-01-6	Trichloroethene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/kg wet	0.11	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/kg wet	0.20	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/kg wet	0.14	0.40	2.0	U
95-47-6	Xylene, Ortho	0.20	ug/kg wet	0.11	0.20	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	40.5	101	78 - 119	
1,2-Dichloroethane-d4	40.0	39.4	99	71 - 136	
Toluene-d8	40.0	40.4	101	85 - 116	
4-Bromofluorobenzene	40.0	40.4	101	79 - 119	

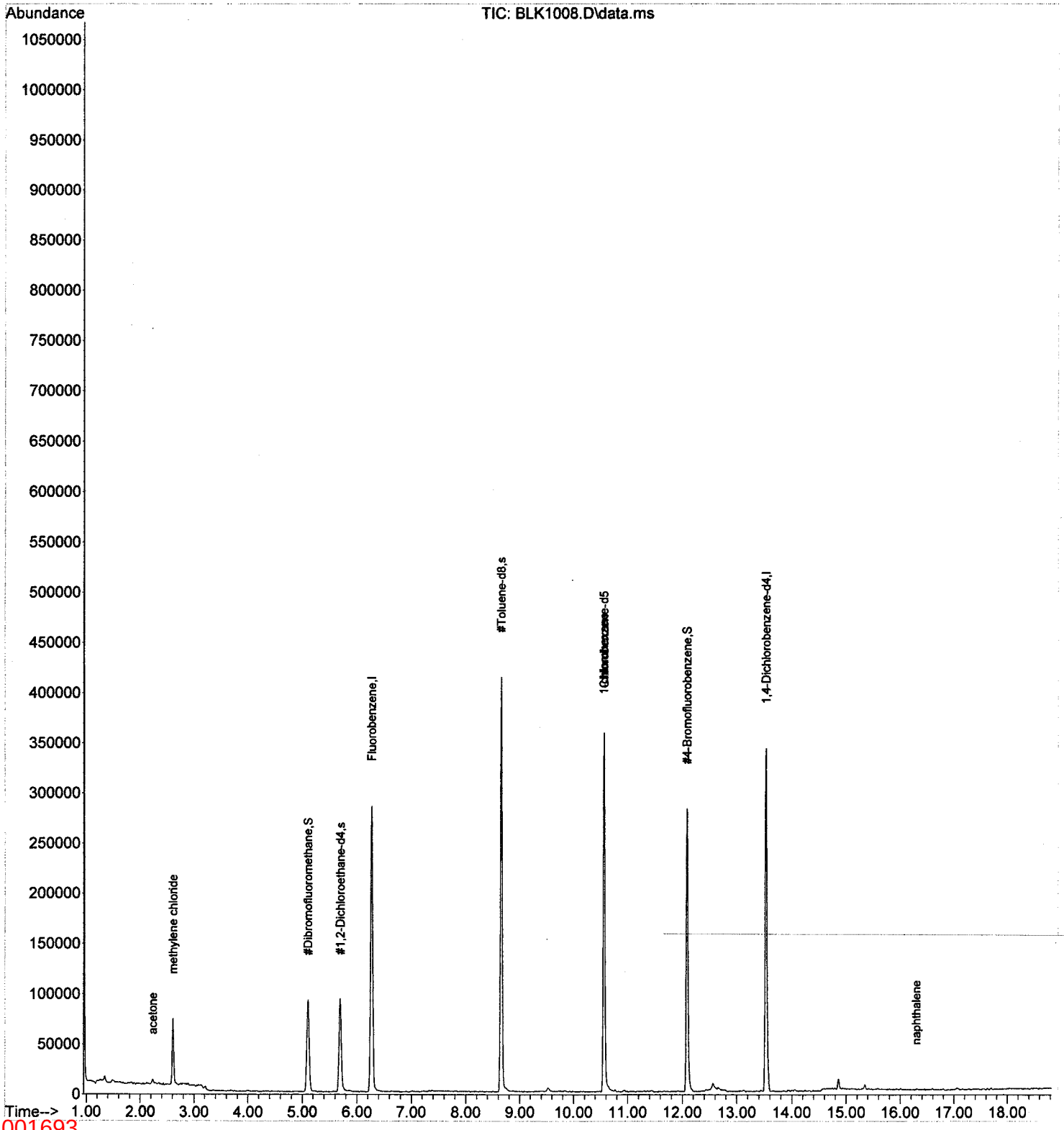
METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410909-BLK1
File ID: BLK1008.D
Prepared: 10/08/14 08:00
Analyzed: 10/08/14 14:18
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410909
Sequence: 4J08061
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	365551	6.272	392692	6.266	
Chlorobenzene-d5	257553	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	125903	13.53	137305	13.524	

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : BLK1008.D
Acq On : 08 Oct 2014 14:18
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 08 14:39:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001693

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : BLK1008.D
Acq On : 08 Oct 2014 14:18
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 08 14:39:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.272	96	365551	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	257553	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	125903	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	91865	40.48	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.20%				
37) #1,2-Dichloroethane-d4	5.695	67	52558	39.44	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.60%				
46) #Toluene-d8	8.654	98	357081	40.40	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.00%				
64) #4-Bromofluorobenzene	12.083	95	128800	40.41	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.02%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	7056	1.16	ug/L	#	80
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	40099	5.57	ug/L		97
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	0.000		0	N.D.			
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : BLK1008.D
Acq On : 08 Oct 2014 14:18
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 08 14:39:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

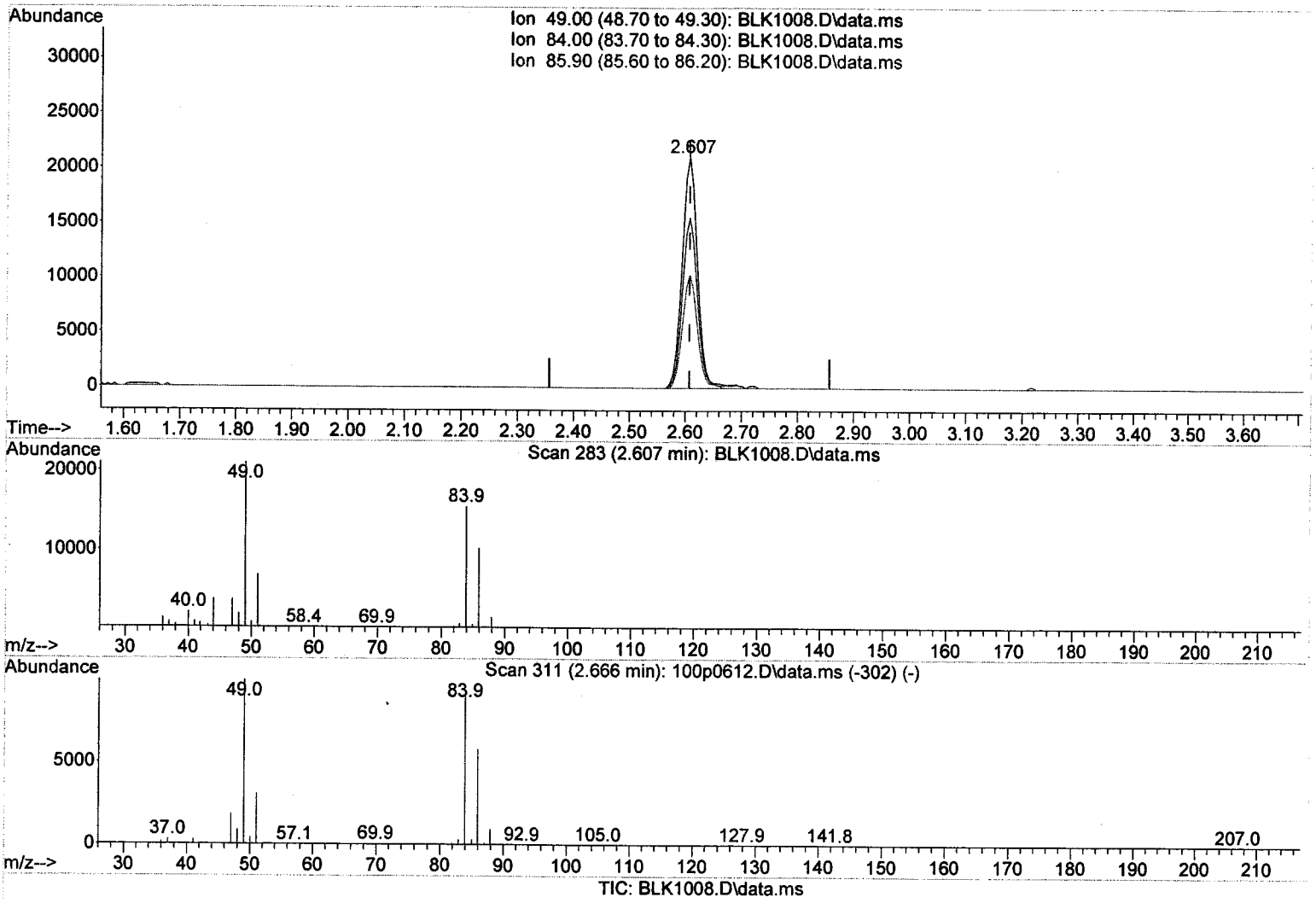
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2007	0.57 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	16.295	128	1656	~~2.28~~ ug/L #	77
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001695

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : BLK1008.D
Acq On : 08 Oct 2014 14:18
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 08 14:39:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: BLK1008.D\data.ms

(17) methylene chloride

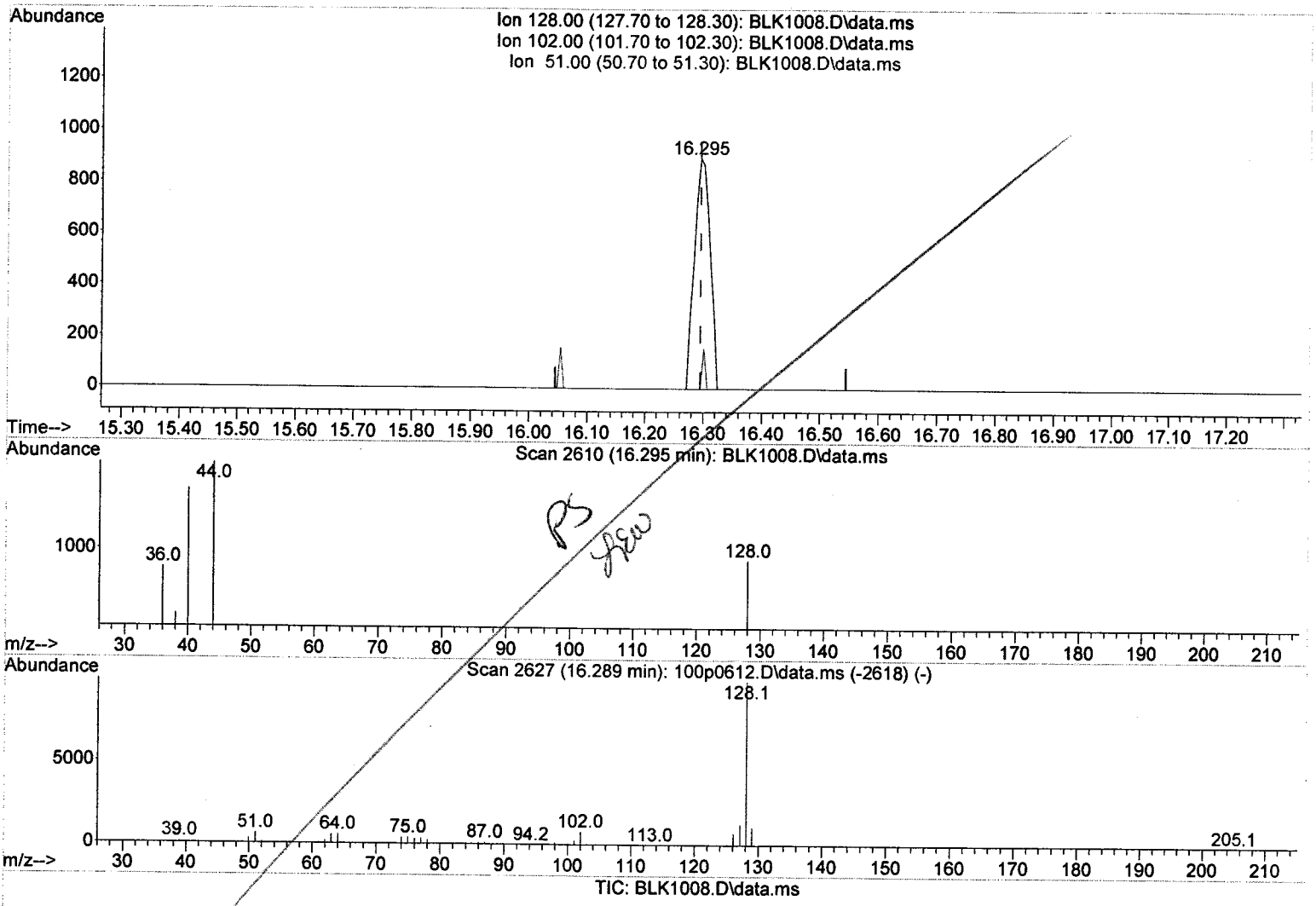
2.607min (+ 0.000) 5.57 ug/L

response 40099

Ion	Exp%	Act%
49.00	100.00	100.00
84.00	74.80	71.96
85.90	48.00	47.18
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : BLK1008.D
Acq On : 08 Oct 2014 14:18
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 15 Sample Multiplier: 1
Quant Time: Oct 08 14:39:03 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: BLK1008.D\data.ms

(87) naphthalene

16.295min (-0.000) 2.28 ug/L

response 1656

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	0.00
51.00	7.70	0.00
0.00	0.00	0.00

001697

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410976-BLK1 File ID: BLK1009.D

Prepared: 10/08/14 07:00 Analyzed: 10/09/14 09:52

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.0	ug/kg wet	4.2	5.0	5.0	U
71-43-2	Benzene	0.50	ug/kg wet	0.16	0.50	1.0	U
108-86-1	Bromobenzene	0.50	ug/kg wet	0.13	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/kg wet	0.36	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/kg wet	0.33	0.50	1.0	U
104-51-8	n-Butylbenzene	0.50	ug/kg wet	0.26	0.50	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/kg wet	0.21	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
75-15-0	Carbon Disulfide	0.50	ug/kg wet	0.23	0.50	1.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/kg wet	0.33	0.50	1.0	U
108-90-7	Chlorobenzene	0.50	ug/kg wet	0.15	0.50	1.0	U
75-00-3	Chloroethane	1.0	ug/kg wet	0.50	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/kg wet	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.50	ug/kg wet	0.26	0.50	1.0	U
95-49-8	2-Chlorotoluene	0.50	ug/kg wet	0.29	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.20	ug/kg wet	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/kg wet	0.59	1.0	5.0	U
124-48-1	Dibromochloromethane	0.50	ug/kg wet	0.18	0.50	1.0	U
106-93-4	1,2-Dibromoethane	0.50	ug/kg wet	0.15	0.50	1.0	U
74-95-3	Dibromomethane	0.50	ug/kg wet	0.22	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/kg wet	0.093	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/kg wet	0.23	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/kg wet	0.31	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/kg wet	0.23	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	ug/kg wet	0.27	0.50	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/kg wet	0.17	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.50	ug/kg wet	0.14	0.50	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.50	ug/kg wet	0.28	0.50	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410976-BLK1 File ID: BLK1009.D

Prepared: 10/08/14 07:00 Analyzed: 10/09/14 09:52

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1410976 Sequence: 4J09046 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.20	ug/kg wet	0.11	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-41-4	Ethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
87-68-3	Hexachlorobutadiene	0.50	ug/kg wet	0.21	0.50	1.0	U
591-78-6	2-Hexanone	0.50	ug/kg wet	0.48	0.50	5.0	U
98-82-8	Isopropylbenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-09-2	Methylene Chloride	4.1	ug/kg wet	0.47	1.0	5.0	J
78-93-3	2-Butanone (MEK)	5.0	ug/kg wet	1.1	5.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	ug/kg wet	0.39	0.50	5.0	U
91-20-3	Naphthalene	0.50	ug/kg wet	0.16	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-42-5	Styrene	0.20	ug/kg wet	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/kg wet	0.15	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/kg wet	0.17	0.50	1.0	U
108-88-3	Toluene	0.20	ug/kg wet	0.099	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/kg wet	0.29	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
79-01-6	Trichloroethene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/kg wet	0.11	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/kg wet	0.20	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/kg wet	0.14	0.40	2.0	U
95-47-6	Xylene, Ortho	0.20	ug/kg wet	0.11	0.20	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	41.0	103	78 - 119	
1,2-Dichloroethane-d4	40.0	40.7	102	71 - 136	
Toluene-d8	40.0	39.1	98	85 - 116	
4-Bromofluorobenzene	40.0	39.3	98	79 - 119	

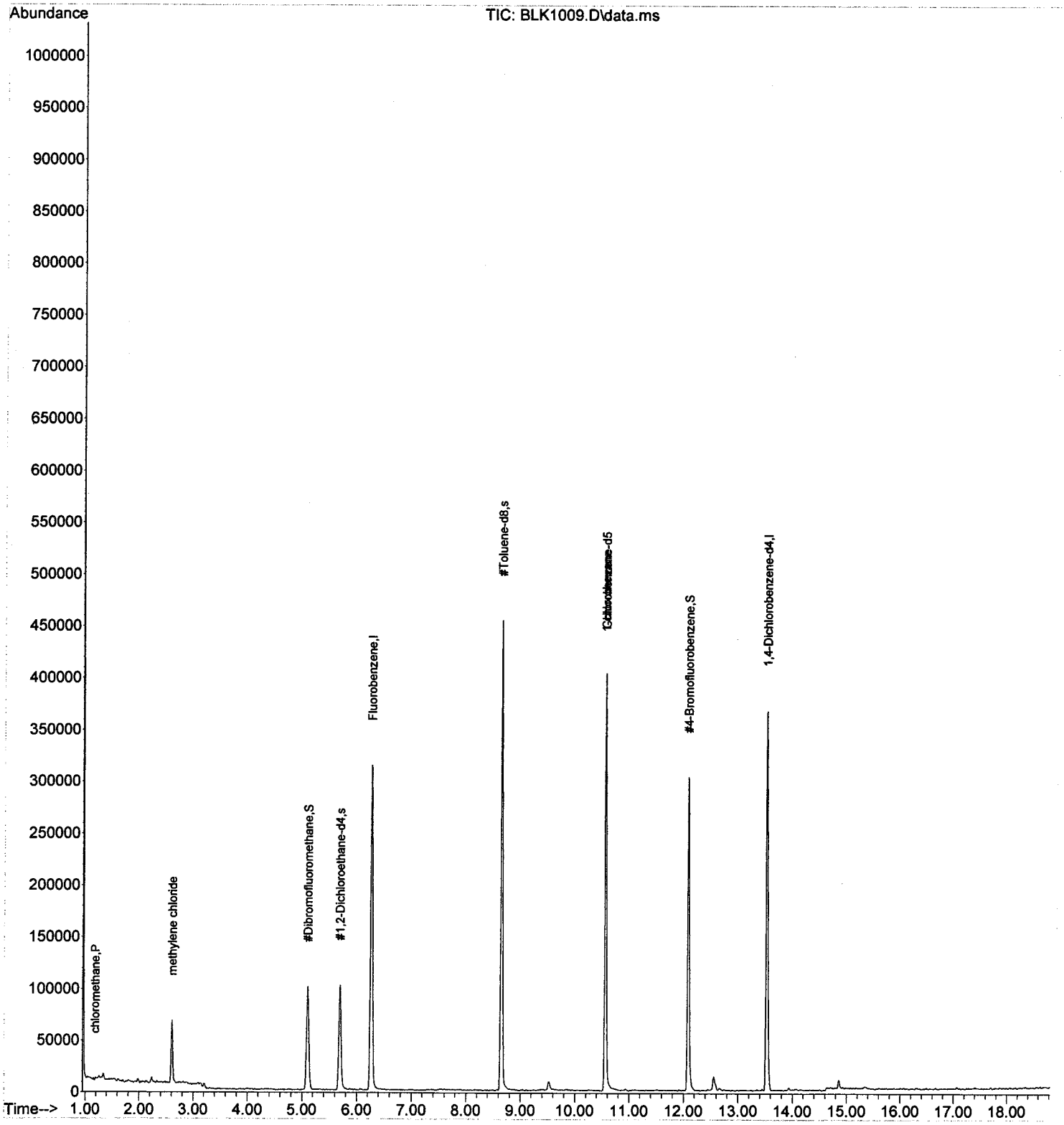
METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410976-BLK1
File ID: BLK1009.D
Prepared: 10/08/14 07:00
Analyzed: 10/09/14 09:52
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1410976
Sequence: 4J09046
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	401988	6.266	392692	6.266	
Chlorobenzene-d5	279247	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	132371	13.53	137305	13.524	

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : BLK1009.D
Acq On : 09 Oct 2014 09:52
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 09 10:21:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001701

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : BLK1009.D
Acq On : 09 Oct 2014 09:52
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 09 10:21:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	401988	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.566	117	279247	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	132371	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.107	111	102349	41.01	ug/L		0.00
Spiked Amount 40.000			Recovery = 102.53%				
37) #1,2-Dichloroethane-d4	5.690	67	59680	40.73	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.82%				
46) #Toluene-d8	8.654	98	380294	39.12	ug/L		0.00
Spiked Amount 40.000			Recovery = 97.80%				
64) #4-Bromofluorobenzene	12.083	95	135813	39.30	ug/L		0.00
Spiked Amount 40.000			Recovery = 98.25%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	1.184	50	1516	0.29	ug/L	#	42
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.231	43	5133	Below Cal		#	57
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.607	49	37038	4.06	ug/L		99
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	0.000		0	N.D.			
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	0.000		0	N.D.			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

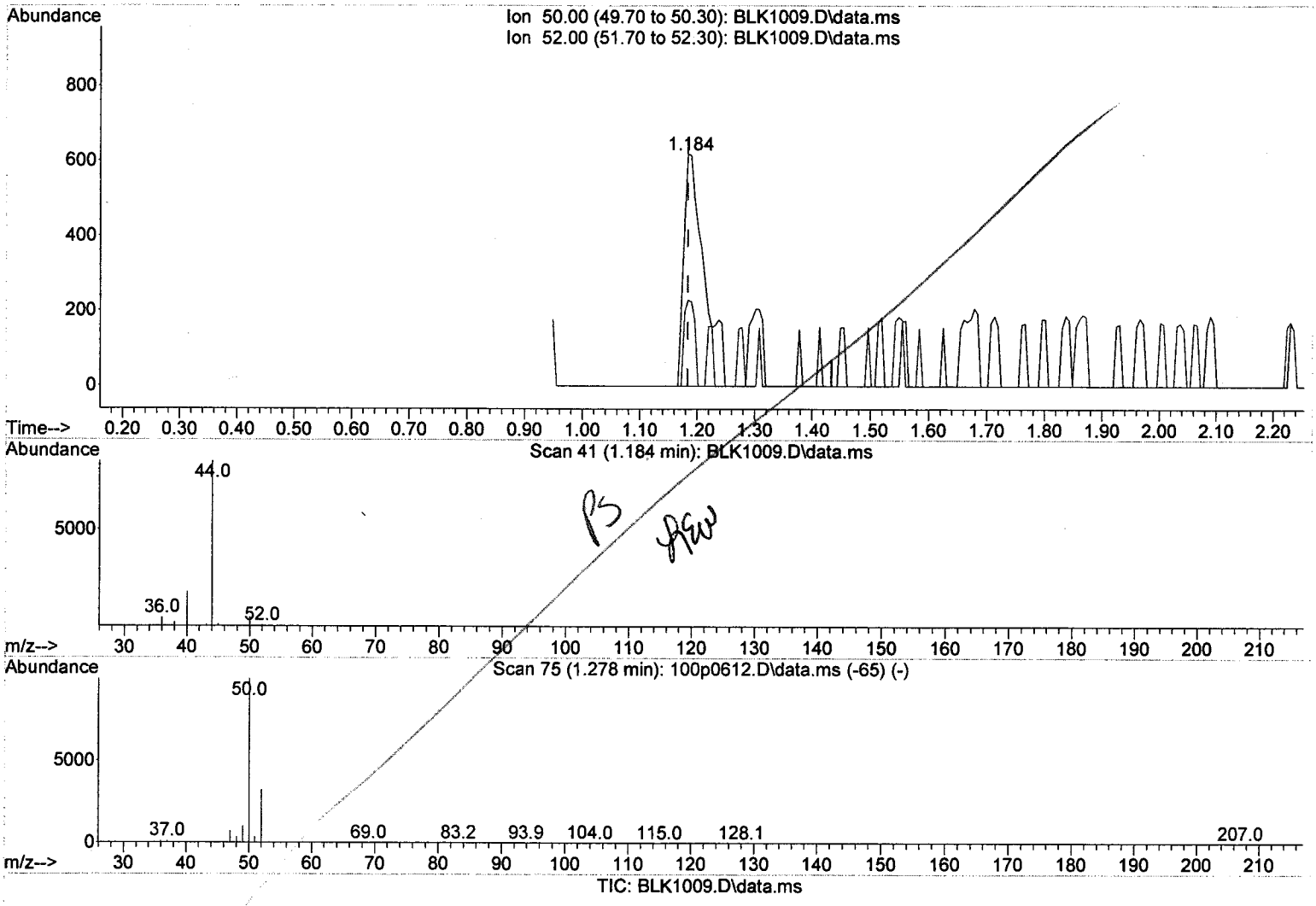
InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : BLK1009.D
Acq On : 09 Oct 2014 09:52
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 09 10:21:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2310	0.61 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : BLK1009.D
Acq On : 09 Oct 2014 09:52
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 09 10:21:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



(3) chloromethane (P)

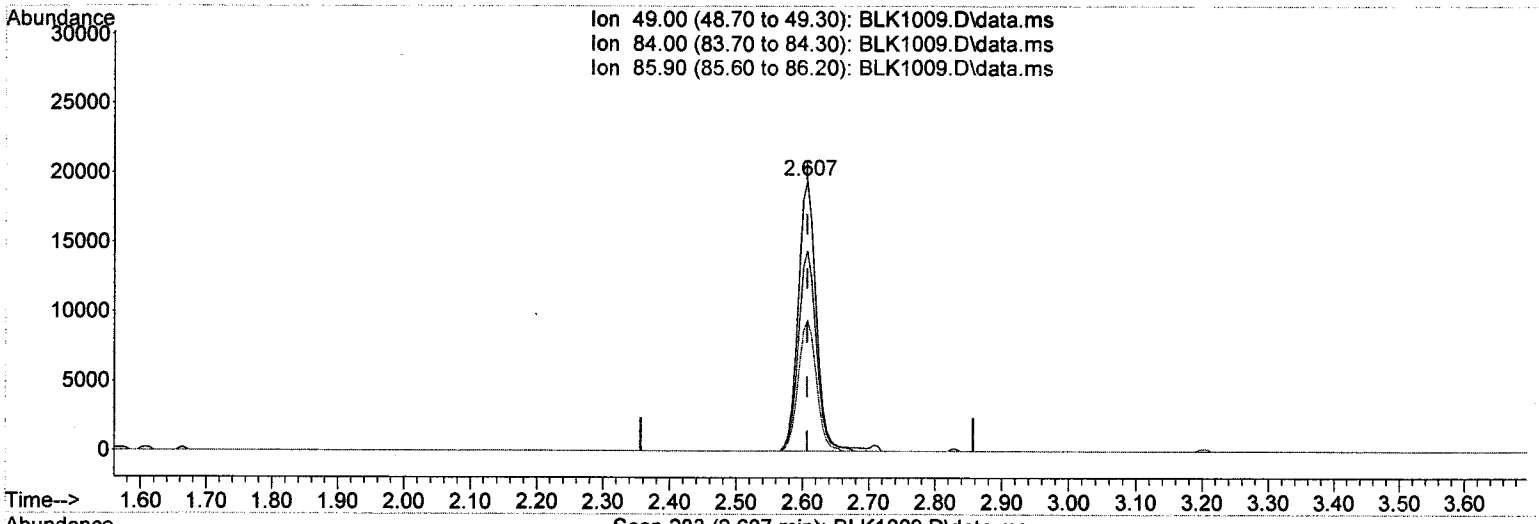
1.184min (-0.000) 0.29 ug/L

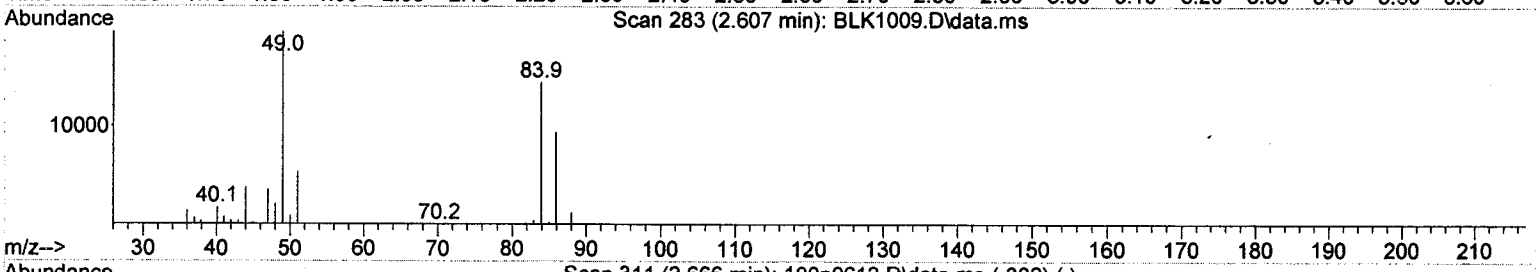
response 1516

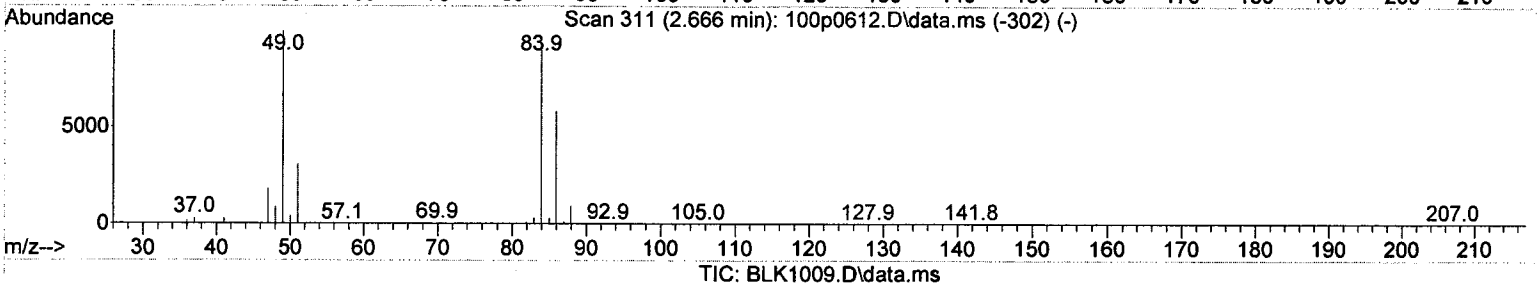
Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : BLK1009.D
Acq On : 09 Oct 2014 09:52
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 09 10:21:23 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: BLK1009.D\data.ms

(17) methylene chloride

2.607min (+ 0.000) 4.06 ug/L

response 37038

Ion	Exp%	Act%
49.00	100.00	100.00
84.00	74.80	73.92
85.90	48.00	48.72
0.00	0.00	0.00

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1411044-BLK1 File ID: BLK1010.D

Prepared: 10/10/14 07:00 Analyzed: 10/10/14 09:30

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.9	ug/kg wet	4.2	5.0	5.0	
71-43-2	Benzene	0.50	ug/kg wet	0.16	0.50	1.0	U
108-86-1	Bromobenzene	0.50	ug/kg wet	0.13	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/kg wet	0.36	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/kg wet	0.33	0.50	1.0	U
104-51-8	n-Butylbenzene	0.50	ug/kg wet	0.26	0.50	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/kg wet	0.21	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
75-15-0	Carbon Disulfide	0.50	ug/kg wet	0.23	0.50	1.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/kg wet	0.33	0.50	1.0	U
108-90-7	Chlorobenzene	0.50	ug/kg wet	0.15	0.50	1.0	U
75-00-3	Chloroethane	1.0	ug/kg wet	0.50	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/kg wet	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.50	ug/kg wet	0.26	0.50	1.0	U
95-49-8	2-Chlorotoluene	0.50	ug/kg wet	0.29	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.20	ug/kg wet	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/kg wet	0.59	1.0	5.0	U
124-48-1	Dibromochloromethane	0.50	ug/kg wet	0.18	0.50	1.0	U
106-93-4	1,2-Dibromoethane	0.50	ug/kg wet	0.15	0.50	1.0	U
74-95-3	Dibromomethane	0.50	ug/kg wet	0.22	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/kg wet	0.093	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/kg wet	0.23	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/kg wet	0.31	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/kg wet	0.23	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	ug/kg wet	0.27	0.50	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/kg wet	0.17	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.50	ug/kg wet	0.14	0.50	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.50	ug/kg wet	0.28	0.50	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1411044-BLK1 File ID: BLK1010.D

Prepared: 10/10/14 07:00 Analyzed: 10/10/14 09:30

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1411044 Sequence: 4J10037 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.20	ug/kg wet	0.11	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-41-4	Ethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
87-68-3	Hexachlorobutadiene	0.50	ug/kg wet	0.21	0.50	1.0	U
591-78-6	2-Hexanone	0.50	ug/kg wet	0.48	0.50	5.0	U
98-82-8	Isopropylbenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-09-2	Methylene Chloride	5.6	ug/kg wet	0.47	1.0	5.0	
78-93-3	2-Butanone (MEK)	5.0	ug/kg wet	1.1	5.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	ug/kg wet	0.39	0.50	5.0	U
91-20-3	Naphthalene	0.50	ug/kg wet	0.16	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-42-5	Styrene	0.20	ug/kg wet	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/kg wet	0.15	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/kg wet	0.17	0.50	1.0	U
108-88-3	Toluene	0.20	ug/kg wet	0.099	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/kg wet	0.29	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
79-01-6	Trichloroethene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/kg wet	0.11	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/kg wet	0.20	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/kg wet	0.14	0.40	2.0	U
95-47-6	Xylene, Ortho	0.20	ug/kg wet	0.11	0.20	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	40.4	101	78 - 119	
1,2-Dichloroethane-d4	40.0	40.0	100	71 - 136	
Toluene-d8	40.0	39.3	98	85 - 116	
4-Bromofluorobenzene	40.0	40.1	100	79 - 119	

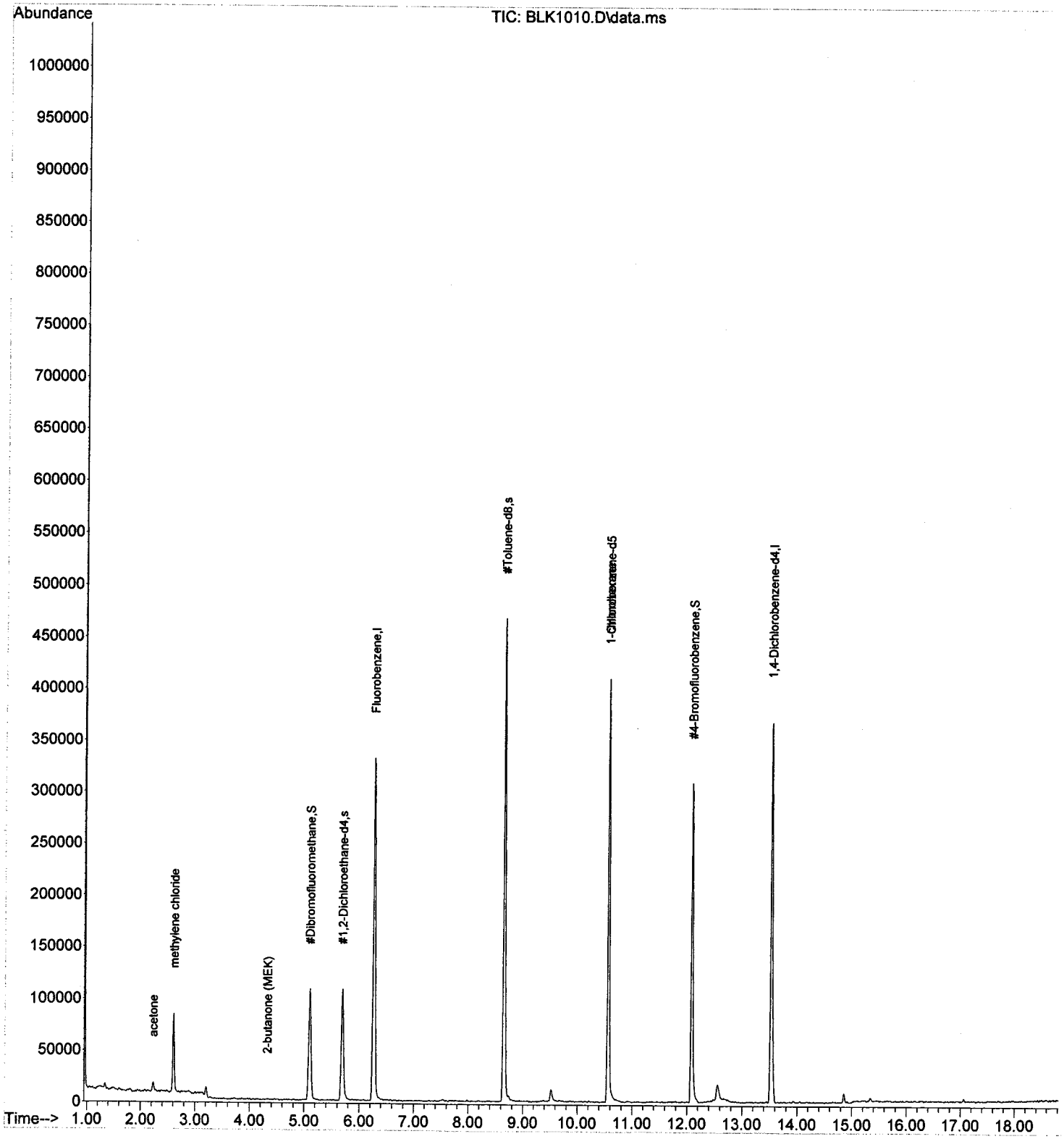
METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1411044-BLK1
File ID: BLK1010.D
Prepared: 10/10/14 07:00
Analyzed: 10/10/14 09:30
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1411044
Sequence: 4J10037
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	424475	6.266	392692	6.266	
Chlorobenzene-d5	288646	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	137561	13.531	137305	13.524	

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : BLK1010.D
Acq On : 10 Oct 2014 09:30
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 10 10:04:41 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : BLK1010.D
Acq On : 10 Oct 2014 09:30
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 10 10:04:41 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	424475	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	288646	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.531	152	137561	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.102	111	106564	40.44	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.10%		
37) #1,2-Dichloroethane-d4	5.690	67	61837	39.96	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.90%		
46) #Toluene-d8	8.654	98	403832	39.34	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.35%		
64) #4-Bromofluorobenzene	12.084	95	143092	40.06	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.15%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	13387	5.89	ug/L	91
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.608	49	46631	5.58	ug/L	98
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	4.325	43	2019	~~4.21~~ N.D.	ug/L #	48
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

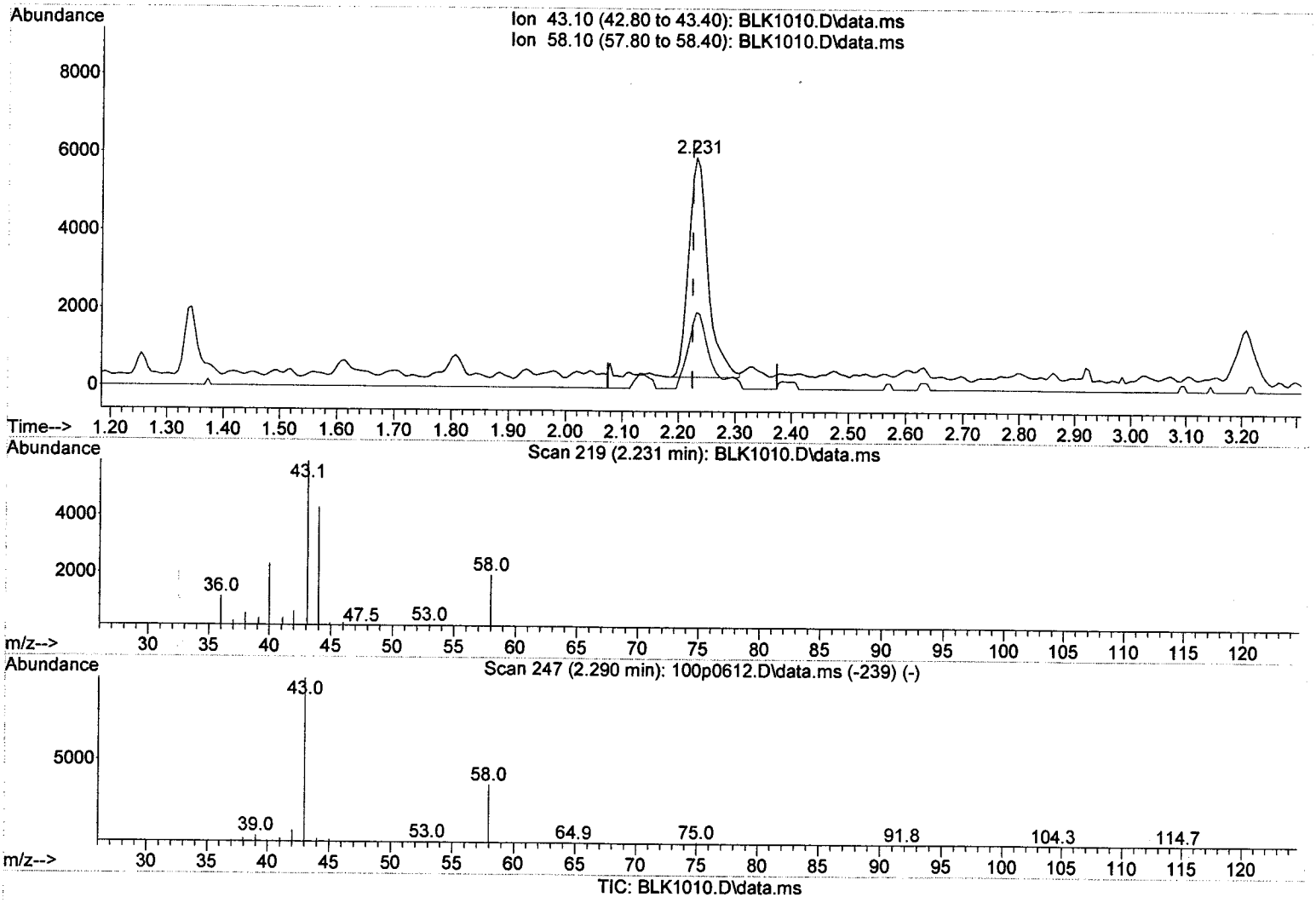
InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : BLK1010.D
Acq On : 10 Oct 2014 09:30
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 10 10:04:41 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2417	0.62 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : BLK1010.D
Acq On : 10 Oct 2014 09:30
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 10 10:04:41 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: BLK1010.D\data.ms

(13) acetone

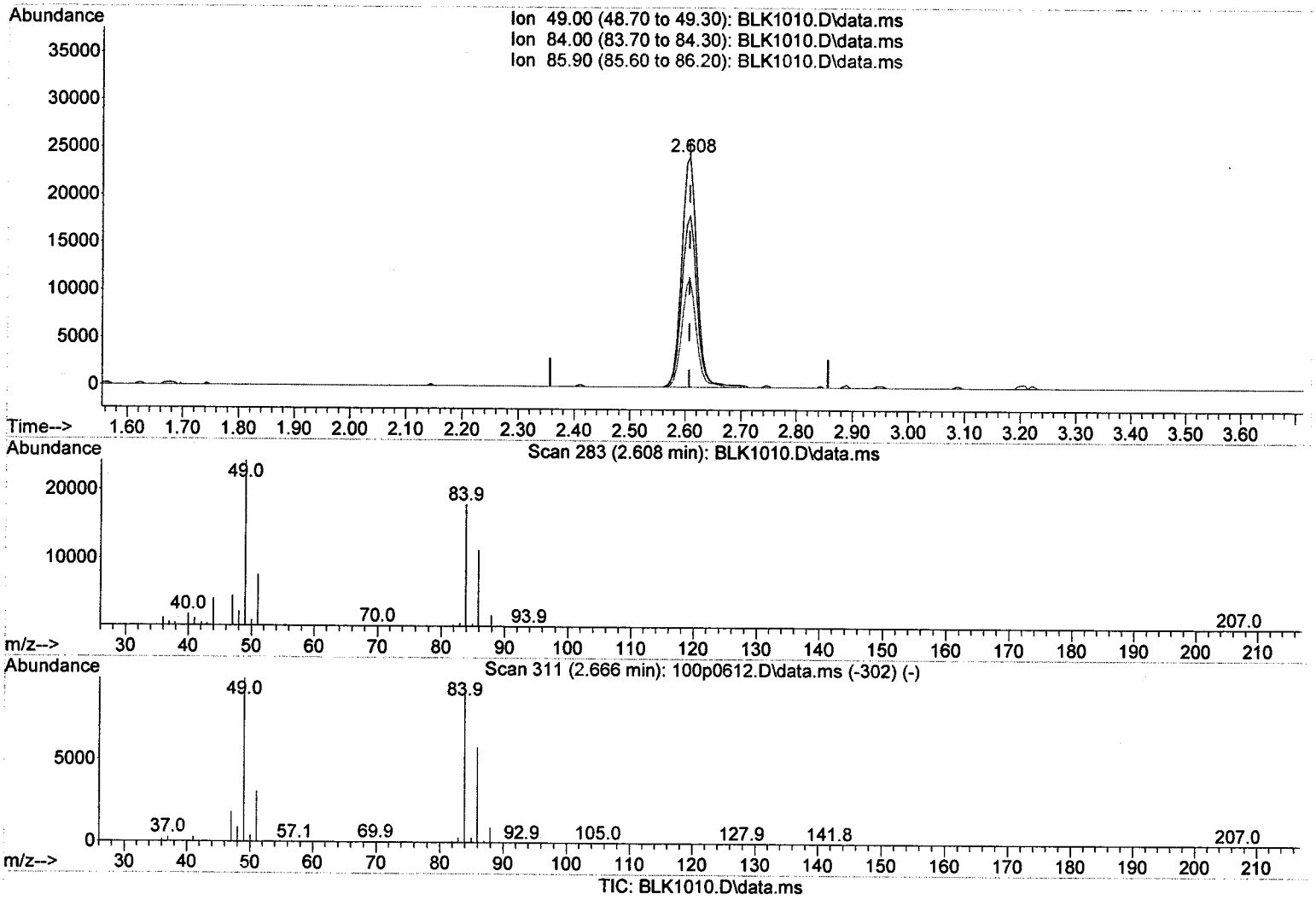
2.231min (+ 0.006) 5.89 ug/L

response 13387

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	31.20	36.18
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : BLK1010.D
Acq On : 10 Oct 2014 09:30
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 10 10:04:41 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: BLK1010.D\data.ms

(17) methylene chloride

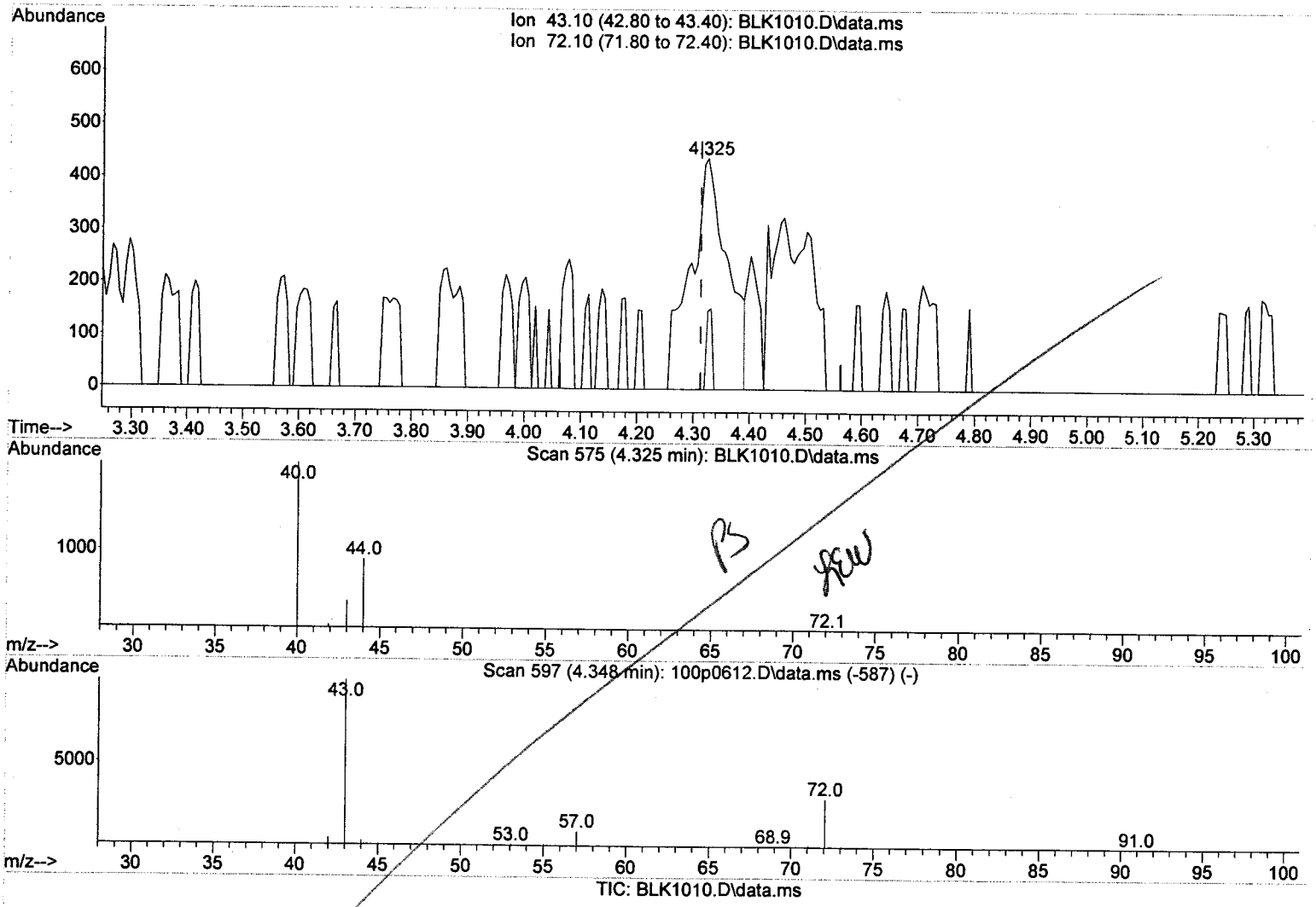
2.608min (+ 0.001) 5.58 ug/L

response 46631

Ion	Exp%	Act%
49.00	100.00	100.00
84.00	74.80	74.63
85.90	48.00	44.82
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : BLK1010.D
Acq On : 10 Oct 2014 09:30
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1
Quant Time: Oct 10 10:04:41 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



TIC: BLK1010.D\data.ms

(25) 2-butanone (MEK)

4.325min (+ 0.012) 1.21 ug/L

response 2019

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	27.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

001714

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1411272-BLK1 File ID: BLK1013A.D

Prepared: 10/13/14 19:00 Analyzed: 10/13/14 20:55

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1411272 Sequence: 4J14046 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.0	ug/L	1.6	5.0	5.0	U
71-43-2	Benzene	0.20	ug/L	0.20	0.20	1.0	U
108-86-1	Bromobenzene	0.50	ug/L	0.14	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/L	0.15	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/L	0.13	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/L	0.18	0.50	1.0	U
74-83-9	Bromomethane	0.78	ug/L	0.22	0.50	1.0	J
104-51-8	n-Butylbenzene	2.7	ug/L	0.11	0.20	1.0	
135-98-8	sec-Butylbenzene	0.50	ug/L	0.12	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/L	0.13	0.50	1.0	U
75-15-0	Carbon Disulfide	0.20	ug/L	0.10	0.20	5.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/L	0.16	0.50	1.0	U
108-90-7	Chlorobenzene	0.20	ug/L	0.20	0.20	1.0	U
75-00-3	Chloroethane	1.0	ug/L	0.23	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/L	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.36	ug/L	0.26	1.0	1.0	J
95-49-8	2-Chlorotoluene	0.50	ug/L	0.16	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.50	ug/L	0.16	0.50	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/L	0.28	1.0	1.0	U
124-48-1	Dibromochloromethane	0.20	ug/L	0.10	0.20	1.0	U
106-93-4	1,2-Dibromoethane	0.20	ug/L	0.11	0.20	1.0	U
74-95-3	Dibromomethane	0.50	ug/L	0.14	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/L	0.20	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/L	0.10	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/L	0.20	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/L	0.18	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/L	0.13	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/L	0.17	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/L	0.22	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/L	0.13	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	0.27	1.0	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/L	0.15	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.20	ug/L	0.20	0.20	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/L	0.14	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.20	ug/L	0.11	0.20	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1411272-BLK1 File ID: BLK1013A.D

Prepared: 10/13/14 19:00 Analyzed: 10/13/14 20:55

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1411272 Sequence: 4J14046 Calibration: 4J02011 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.50	ug/L	0.14	0.50	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.20	ug/L	0.20	0.20	1.0	U
100-41-4	Ethylbenzene	0.20	ug/L	0.20	0.20	1.0	U
87-68-3	Hexachlorobutadiene	1.0	ug/L	0.28	1.0	1.0	U
591-78-6	2-Hexanone	1.0	ug/L	0.35	1.0	5.0	U
98-82-8	Isopropylbenzene	0.50	ug/L	0.14	0.50	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/L	0.14	0.50	1.0	U
1634-04-4	Methyl tert-Butyl Ether	0.10	ug/L	0.10	0.10	1.0	U
75-09-2	Methylene Chloride	0.49	ug/L	0.35	1.0	1.0	J
78-93-3	2-Butanone (MEK)	1.0	ug/L	0.52	1.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	ug/L	0.41	1.0	5.0	U
91-20-3	Naphthalene	0.50	ug/L	0.12	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/L	0.16	0.50	1.0	U
100-42-5	Styrene	0.20	ug/L	0.11	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/L	0.12	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/L	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/L	0.13	0.50	1.0	U
108-88-3	Toluene	0.20	ug/L	0.20	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/L	0.12	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/L	0.19	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.20	ug/L	0.080	0.20	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/L	0.11	0.50	1.0	U
79-01-6	Trichloroethene	0.20	ug/L	0.10	0.20	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/L	0.19	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/L	0.14	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/L	0.15	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	0.13	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/L	0.16	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/L	0.22	0.40	2.0	U
95-47-6	Xylene, Ortho	0.50	ug/L	0.12	0.50	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	37.8	95	80 - 119	
1,2-Dichloroethane-d4	40.0	38.5	96	81 - 118	
Toluene-d8	40.0	39.4	98	89 - 112	

METHOD BLANK DATA SHEET
USEPA-8260C

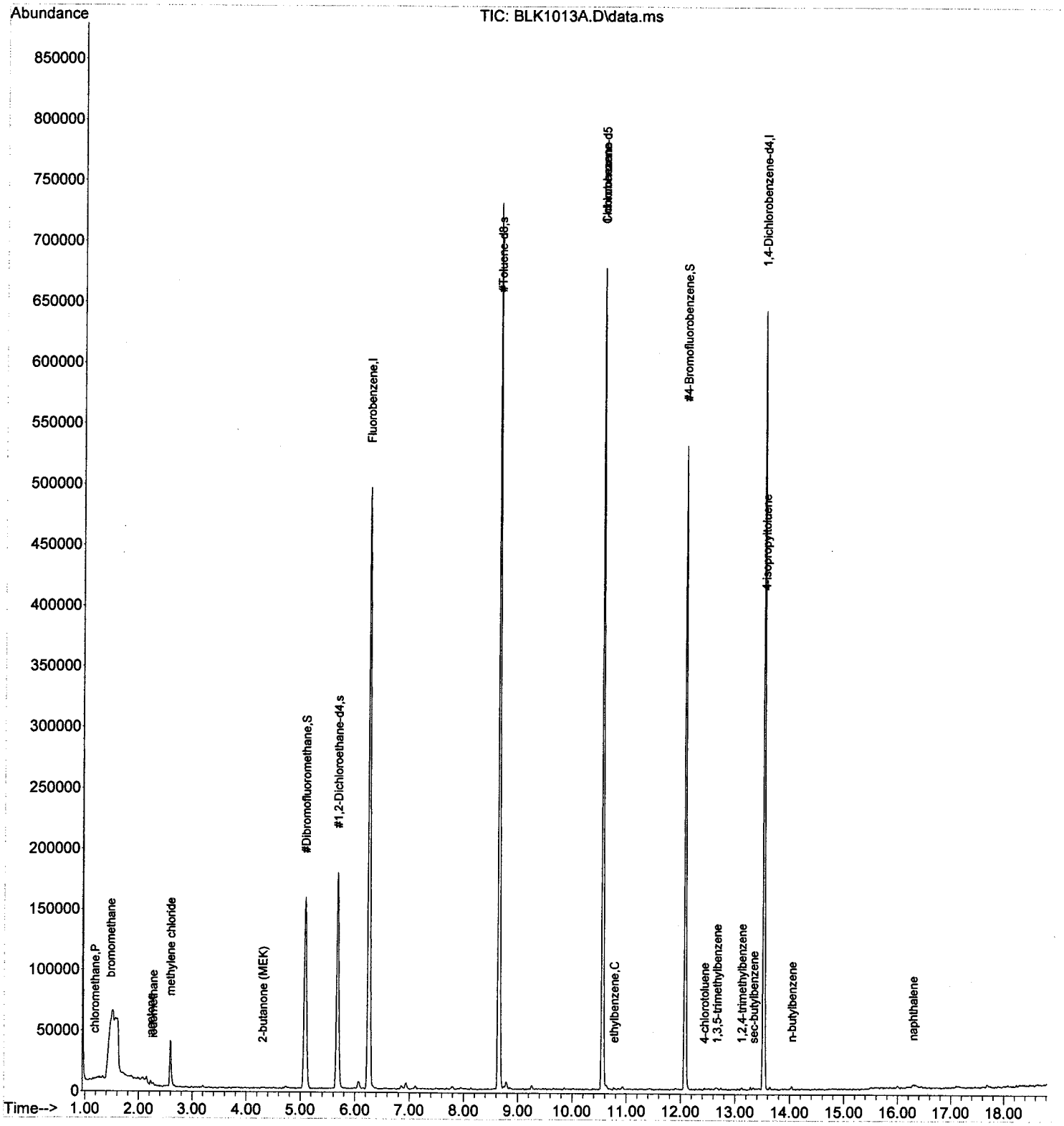
Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1411272-BLK1
File ID: BLK1013A.D
Prepared: 10/13/14 19:00
Analyzed: 10/13/14 20:55
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1411272
Sequence: 4J14046
Calibration: 4J02011
Instrument: 350

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
4-Bromofluorobenzene	40.0	38.5	96	84 - 114	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	618919	6.26	523953	6.266	
Chlorobenzene-d5	442552	10.56	369199	10.56	
1,4-Dichlorobenzene-d4	199548	13.524	177762	13.524	

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : BLK1013A.D
Acq On : 13 Oct 2014 20:55
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 14 13:29:42 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : BLK1013A.D
Acq On : 13 Oct 2014 20:55
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 14 13:29:42 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.260	96	618919	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	442552	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	199548	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.095	111	155006	37.84	ug/L		0.00
Spiked Amount 40.000			Recovery =	94.60%			
37) #1,2-Dichloroethane-d4	5.678	67	97832	38.47	ug/L		0.00
Spiked Amount 40.000			Recovery =	96.17%			
46) #Toluene-d8	8.648	98	593879	39.37	ug/L		0.00
Spiked Amount 40.000			Recovery =	98.42%			
64) #4-Bromofluorobenzene	12.083	95	212189	38.48	ug/L		0.00
Spiked Amount 40.000			Recovery =	96.20%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	1.184	50	2493	0.36	ug/L	#	41
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	1.472	94	2708	0.78	ug/L	#	77
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.225	43	4153	0.81	ug/L		99
14) iodomethane	2.272	142	1797	3.47	ug/L	#	42
15) carbon disulfide	0.000		0	N.D.			
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.596	49	24729	0.49	ug/L		99
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	4.307	43	1985	0.75	ug/L	#	49
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	6.260	57	20265	No Calib			
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

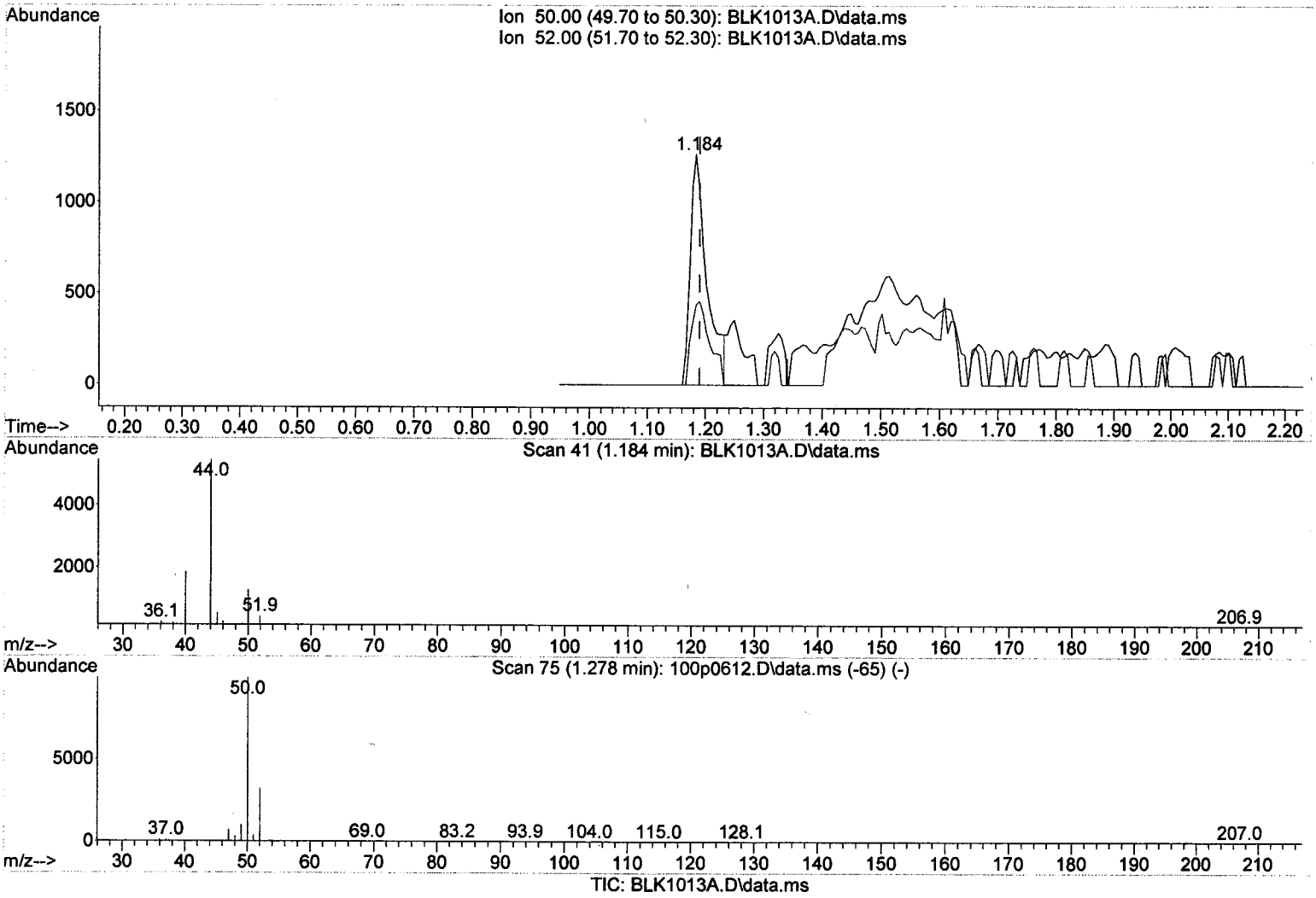
InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : BLK1013A.D
Acq On : 13 Oct 2014 20:55
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 14 13:29:42 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	3236	0.73 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	10.772	91	1300	0.06 ug/L #	43
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	12.672	105	1330	0.08 ug/L #	30
74) 4-chlorotoluene	12.436	91	1395	0.08 ug/L #	45
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.124	105	1444	0.09 ug/L #	32
77) sec-butylbenzene	13.342	105	1341	0.07 ug/L #	57
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	13.536	119	1288	0.08 ug/L #	51
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	14.042	91	1470	2.72 ug/L #	34
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	16.289	128	2037	3.47 ug/L #	77
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : BLK1013A.D
Acq On : 13 Oct 2014 20:55
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 14 13:29:42 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



TIC: BLK1013A.D\data.ms

(3) chloromethane (P)

1.184min (-0.006) 0.36 ug/L

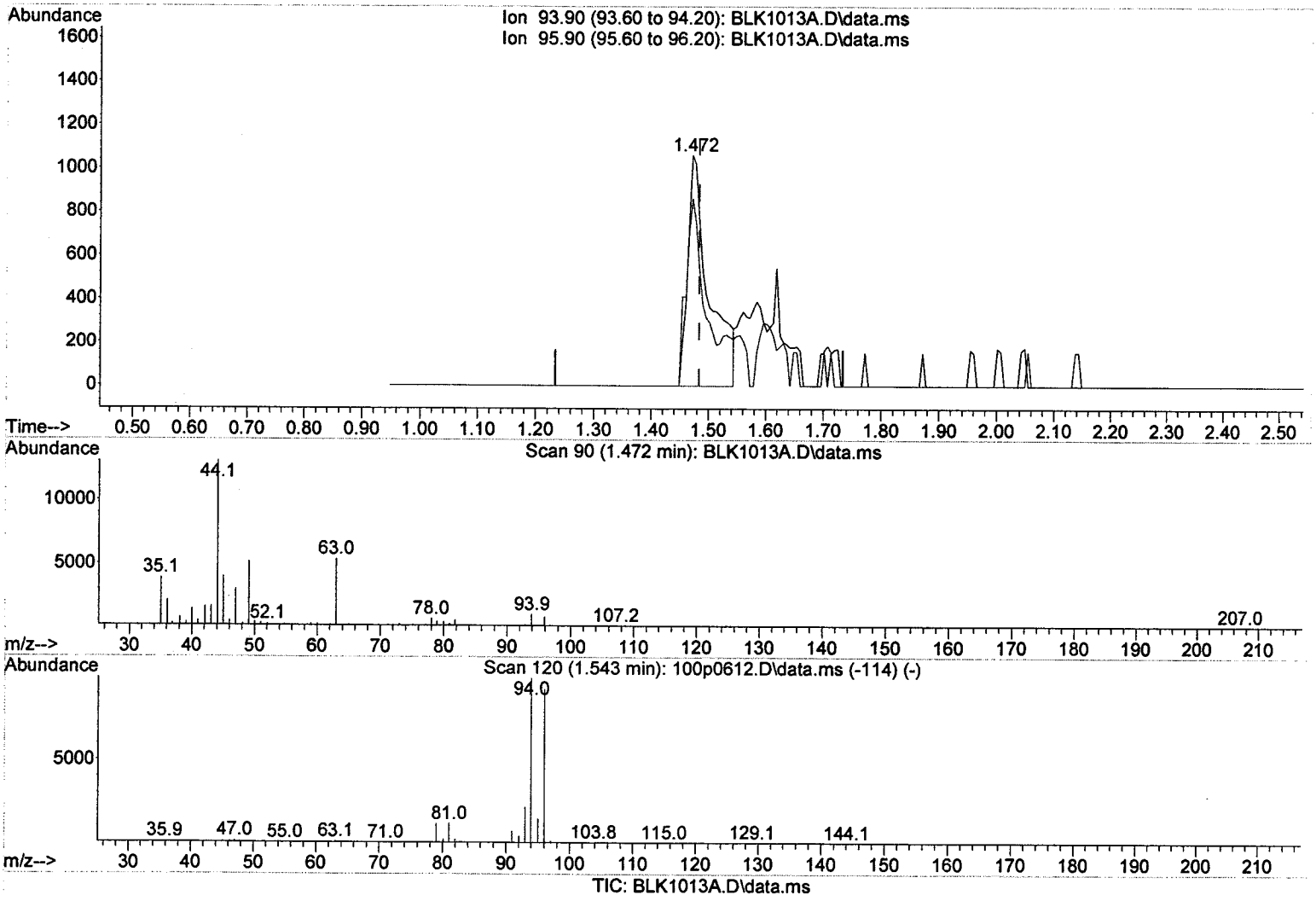
response 2493

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	33.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

001721

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : BLK1013A.D
Acq On : 13 Oct 2014 20:55
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 14 13:29:42 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



TIC: BLK1013A.D\data.ms

(5) bromomethane

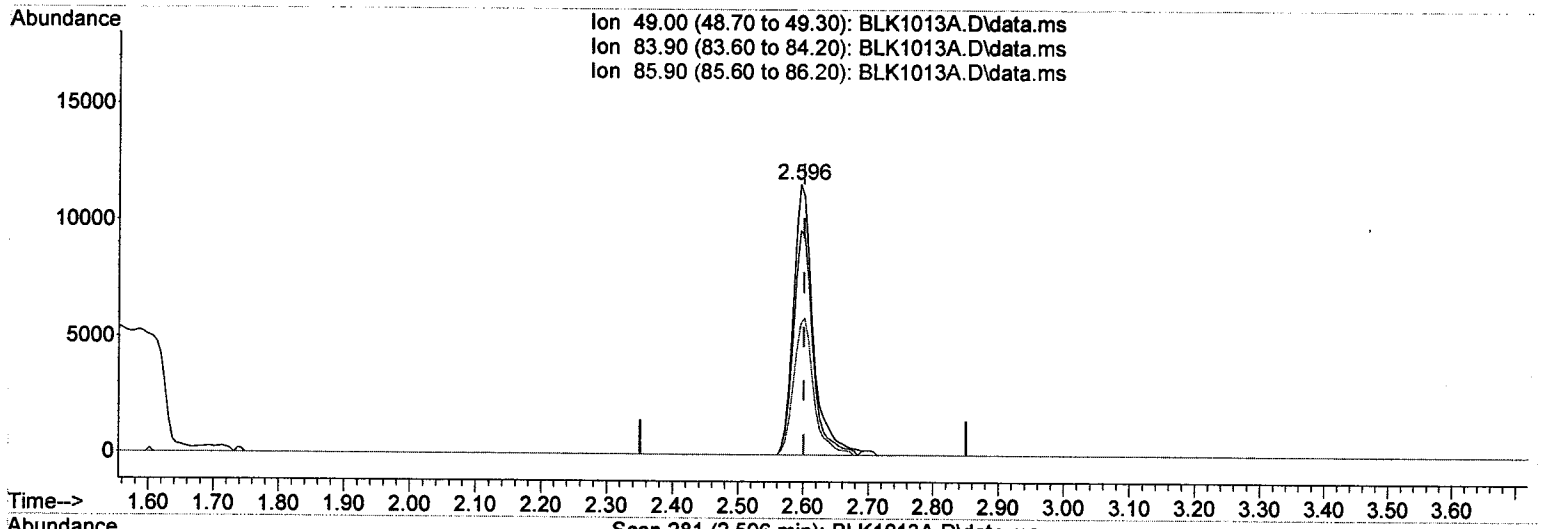
1.472min (-0.012) 0.78 ug/L

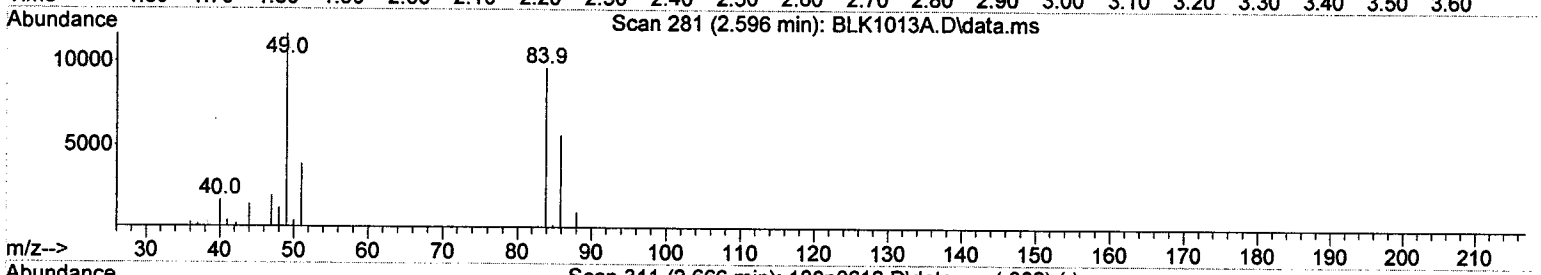
response 2708

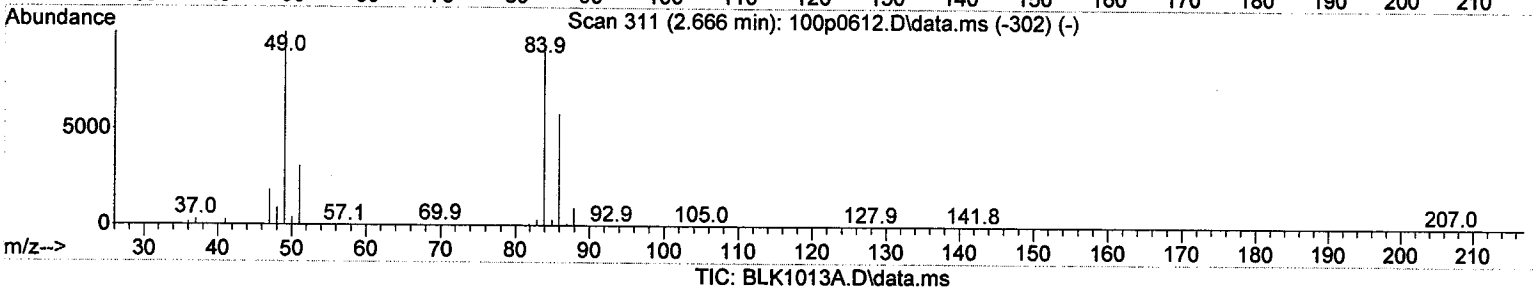
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	90.90	68.98#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : BLK1013A.D
Acq On : 13 Oct 2014 20:55
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 14 13:29:42 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration







TIC: BLK1013A.D\data.ms

(17) methylene chloride

2.596min (-0.005) 0.49 ug/L

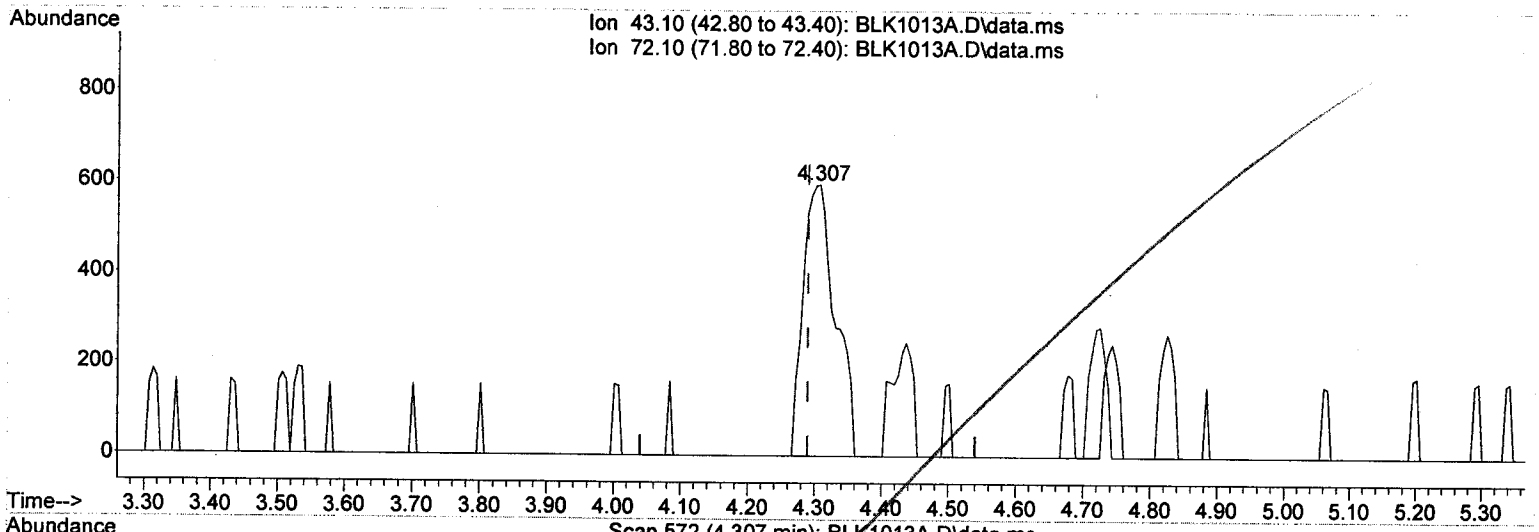
response 24729

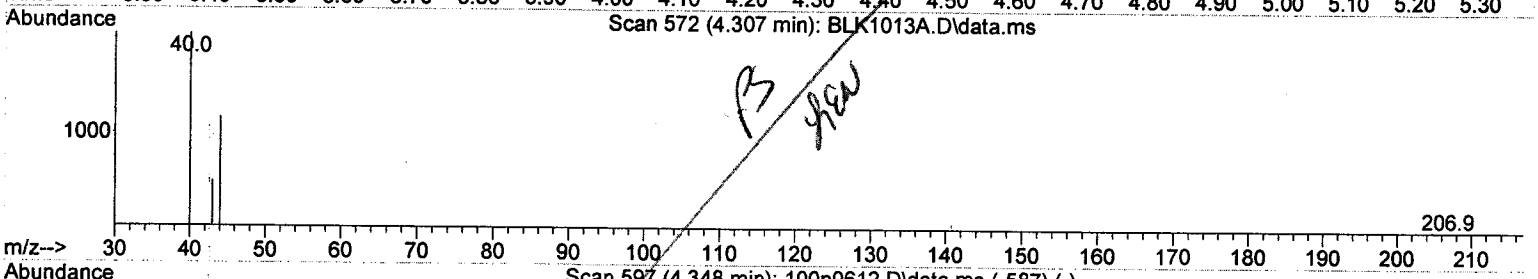
Ion	Exp%	Act%
49.00	100.00	100.00
83.90	79.80	81.01
85.90	50.60	50.73
0.00	0.00	0.00

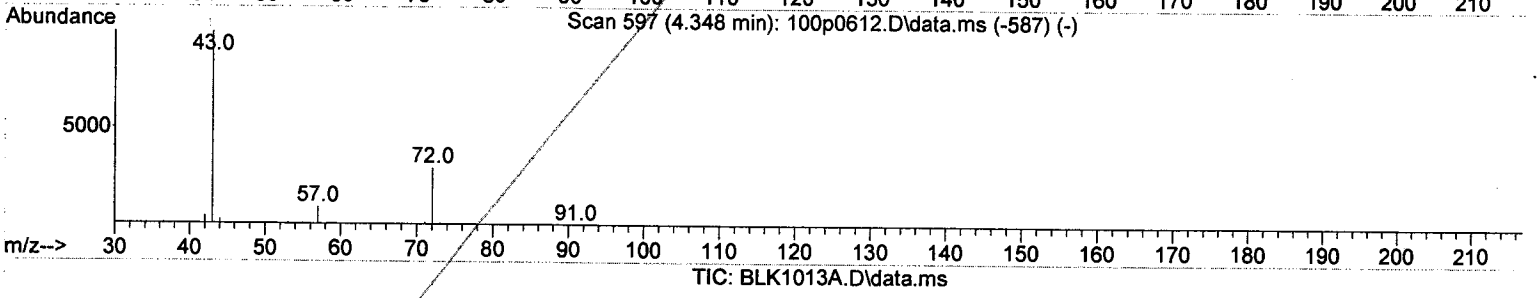
001723

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : BLK1013A.D
Acq On : 13 Oct 2014 20:55
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 14 13:29:42 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration







B

(25) 2-butanone (MEK)

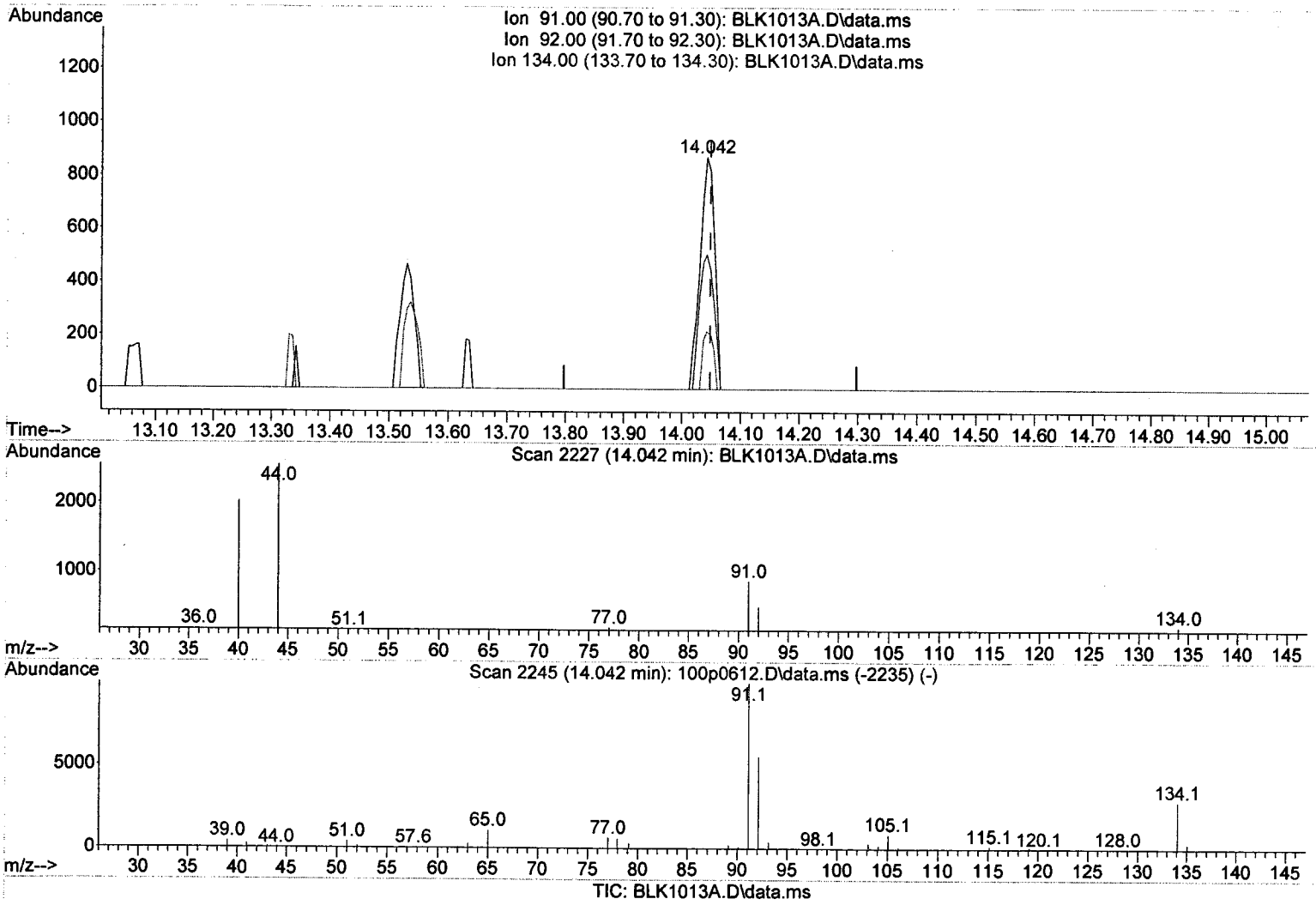
4.307min (+ 0.017) 0.75 ug/L

response 1985

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	26.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : BLK1013A.D
Acq On : 13 Oct 2014 20:55
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 14 13:29:42 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



TIC: BLK1013A.D\data.ms

(82) n-butylbenzene

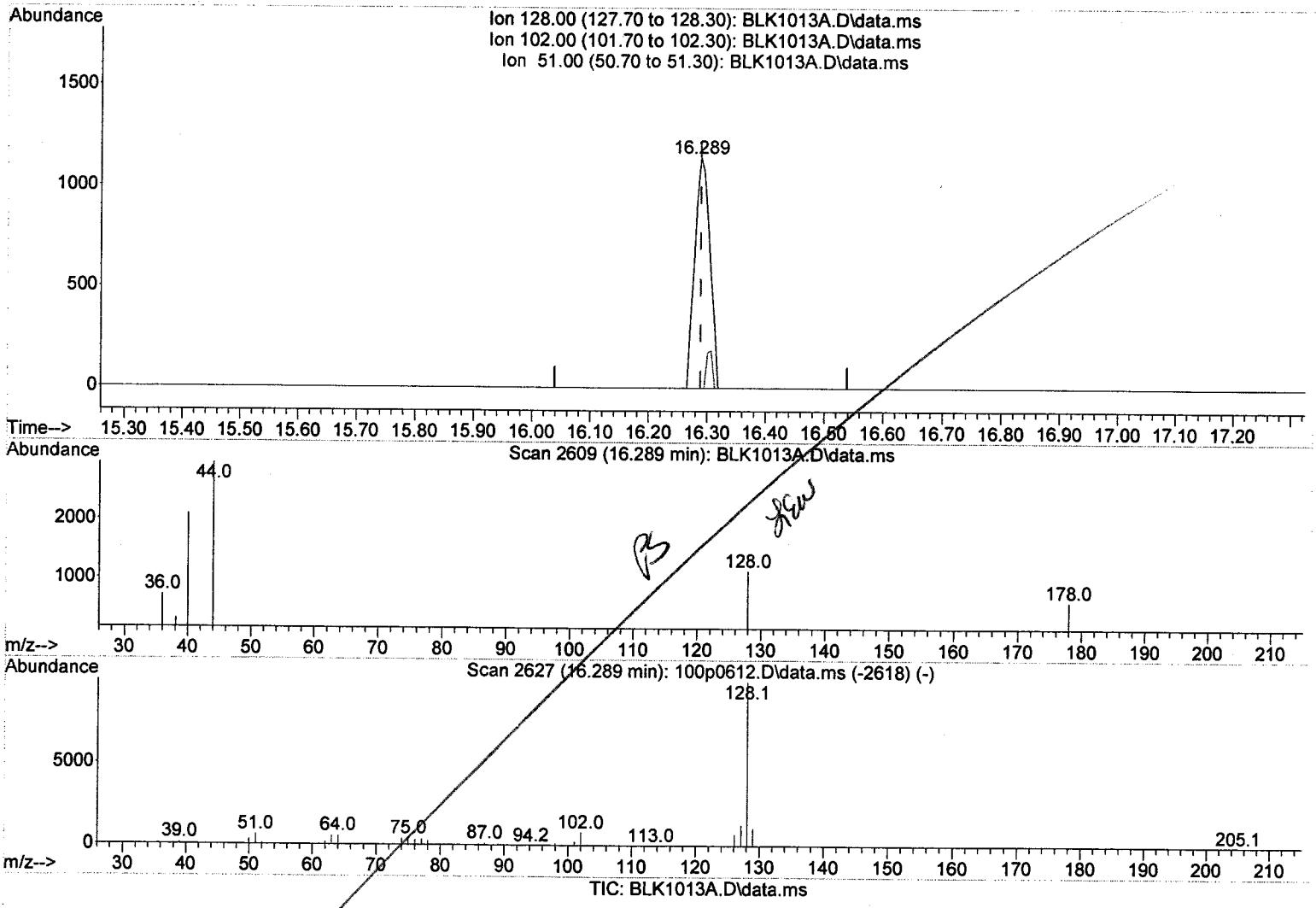
14.042min (-0.006) 2.72 ug/L

response 1470

Ion	Exp%	Act%
91.00	100.00	100.00
92.00	52.00	0.00#
134.00	24.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : BLK1013A.D
Acq On : 13 Oct 2014 20:55
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 32 Sample Multiplier: 1
Quant Time: Oct 14 13:29:42 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



TIC: BLK1013A.D\data.ms

(87) naphthalene

16.289min (-0.000) 3.47 ug/L

response 2037

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.70	0.00
51.00	7.50	0.00
0.00	0.00	0.00

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1411328-BLK1 File ID: BLK1014.D

Prepared: 10/14/14 08:00 Analyzed: 10/14/14 10:23

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1411328 Sequence: 4J15036 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
67-64-1	Acetone	5.0	ug/kg wet	4.2	5.0	5.0	U
71-43-2	Benzene	0.50	ug/kg wet	0.16	0.50	1.0	U
108-86-1	Bromobenzene	0.50	ug/kg wet	0.13	0.50	1.0	U
74-97-5	Bromochloromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-27-4	Bromodichloromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
75-25-2	Bromoform	0.50	ug/kg wet	0.36	0.50	1.0	U
74-83-9	Bromomethane	0.50	ug/kg wet	0.33	0.50	1.0	U
104-51-8	n-Butylbenzene	0.50	ug/kg wet	0.26	0.50	1.0	U
135-98-8	sec-Butylbenzene	0.50	ug/kg wet	0.21	0.50	1.0	U
98-06-6	tert-Butylbenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
75-15-0	Carbon Disulfide	0.50	ug/kg wet	0.23	0.50	1.0	U
56-23-5	Carbon Tetrachloride	0.50	ug/kg wet	0.33	0.50	1.0	U
108-90-7	Chlorobenzene	0.50	ug/kg wet	0.15	0.50	1.0	U
75-00-3	Chloroethane	1.0	ug/kg wet	0.50	1.0	1.0	U
67-66-3	Chloroform	0.50	ug/kg wet	0.14	0.50	1.0	U
74-87-3	Chloromethane	0.30	ug/kg wet	0.26	0.50	1.0	J
95-49-8	2-Chlorotoluene	0.50	ug/kg wet	0.29	0.50	1.0	U
106-43-4	4-Chlorotoluene	0.20	ug/kg wet	0.20	0.20	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	ug/kg wet	0.59	1.0	5.0	U
124-48-1	Dibromochloromethane	0.50	ug/kg wet	0.18	0.50	1.0	U
106-93-4	1,2-Dibromoethane	0.50	ug/kg wet	0.15	0.50	1.0	U
74-95-3	Dibromomethane	0.50	ug/kg wet	0.22	0.50	1.0	U
95-50-1	1,2-Dichlorobenzene	0.20	ug/kg wet	0.093	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
106-46-7	1,4-Dichlorobenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
75-71-8	Dichlorodifluoromethane	0.50	ug/kg wet	0.14	0.50	1.0	U
75-34-3	1,1-Dichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
107-06-2	1,2-Dichloroethane	0.50	ug/kg wet	0.23	0.50	1.0	U
75-35-4	1,1-Dichloroethene	0.50	ug/kg wet	0.31	0.50	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	ug/kg wet	0.23	0.50	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	ug/kg wet	0.27	0.50	1.0	U
78-87-5	1,2-Dichloropropane	0.50	ug/kg wet	0.17	0.50	1.0	U
142-28-9	1,3-Dichloropropane	0.50	ug/kg wet	0.14	0.50	1.0	U
594-20-7	2,2-Dichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
563-58-6	1,1-Dichloropropene	0.50	ug/kg wet	0.28	0.50	1.0	U

METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1411328-BLK1 File ID: BLK1014.D

Prepared: 10/14/14 08:00 Analyzed: 10/14/14 10:23

Preparation: 5035A Low Concentratio Initial/Final: 5 grams / 5 mL

QC Batch: 1411328 Sequence: 4J15036 Calibration: 4J08013 Instrument: 350

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
10061-01-5	cis-1,3-Dichloropropene	0.20	ug/kg wet	0.11	0.20	1.0	U
10061-02-6	trans-1,3-Dichloropropene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-41-4	Ethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
87-68-3	Hexachlorobutadiene	0.50	ug/kg wet	0.21	0.50	1.0	U
591-78-6	2-Hexanone	0.50	ug/kg wet	0.48	0.50	5.0	U
98-82-8	Isopropylbenzene	0.20	ug/kg wet	0.11	0.20	1.0	U
99-87-6	4-Isopropyltoluene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-09-2	Methylene Chloride	4.8	ug/kg wet	0.47	1.0	5.0	J
78-93-3	2-Butanone (MEK)	5.0	ug/kg wet	1.1	5.0	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	ug/kg wet	0.39	0.50	5.0	U
91-20-3	Naphthalene	0.50	ug/kg wet	0.16	0.50	5.0	U
103-65-1	n-Propylbenzene	0.50	ug/kg wet	0.12	0.50	1.0	U
100-42-5	Styrene	0.20	ug/kg wet	0.20	0.20	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	ug/kg wet	0.15	0.50	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
127-18-4	Tetrachloroethene	0.50	ug/kg wet	0.17	0.50	1.0	U
108-88-3	Toluene	0.20	ug/kg wet	0.099	0.20	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.50	ug/kg wet	0.29	0.50	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.50	ug/kg wet	0.17	0.50	1.0	U
71-55-6	1,1,1-Trichloroethane	0.50	ug/kg wet	0.14	0.50	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	ug/kg wet	0.21	0.50	1.0	U
79-01-6	Trichloroethene	0.50	ug/kg wet	0.24	0.50	1.0	U
75-69-4	Trichlorofluoromethane	0.50	ug/kg wet	0.17	0.50	1.0	U
96-18-4	1,2,3-Trichloropropane	0.50	ug/kg wet	0.23	0.50	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.50	ug/kg wet	0.11	0.50	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.50	ug/kg wet	0.19	0.50	1.0	U
75-01-4	Vinyl Chloride	0.50	ug/kg wet	0.20	0.50	1.0	U
179601-23-1	Xylene, Meta + Para	0.40	ug/kg wet	0.14	0.40	2.0	U
95-47-6	Xylene, Ortho	0.20	ug/kg wet	0.11	0.20	1.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Dibromofluoromethane	40.0	39.8	100	78 - 119	
1,2-Dichloroethane-d4	40.0	39.6	99	71 - 136	
Toluene-d8	40.0	39.1	98	85 - 116	
4-Bromofluorobenzene	40.0	39.5	99	79 - 119	

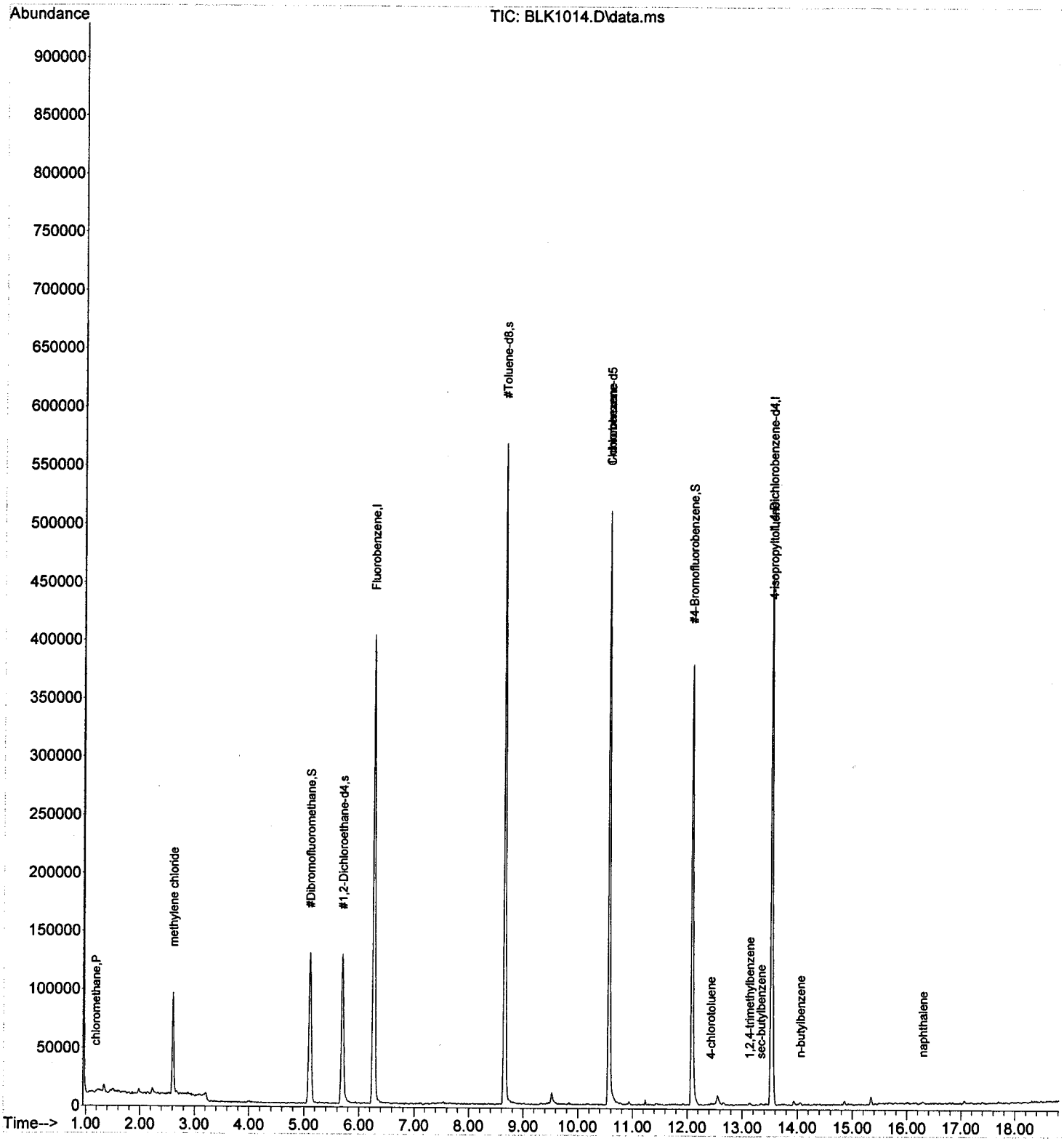
METHOD BLANK DATA SHEET
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1411328-BLK1
File ID: BLK1014.D
Prepared: 10/14/14 08:00
Analyzed: 10/14/14 10:23
Preparation: 5035A Low Concentratio
Initial/Final: 5 grams / 5 mL
QC Batch: 1411328
Sequence: 4J15036
Calibration: 4J08013
Instrument: 350

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Fluorobenzene	514727	6.272	392692	6.266	
Chlorobenzene-d5	356212	10.566	274590	10.56	
1,4-Dichlorobenzene-d4	168642	13.53	137305	13.524	

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : BLK1014.D
Acq On : 14 Oct 2014 10:23
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 15 11:32:49 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : BLK1014.D
Acq On : 14 Oct 2014 10:23
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 15 11:32:49 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	514727	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	356212	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	168642	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	127271	39.83	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.57%		
37) #1,2-Dichloroethane-d4	5.695	67	74229	39.56	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.90%		
46) #Toluene-d8	8.654	98	487230	39.14	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.85%		
64) #4-Bromofluorobenzene	12.083	95	173932	39.46	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.65%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	1.184	50	1996	0.30	ug/L #	42
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.231	43	7541	Below Cal		96
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.607	49	51954	4.81	ug/L	100
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	0.000		0	N.D.		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : BLK1014.D
Acq On : 14 Oct 2014 10:23
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 15 11:32:49 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

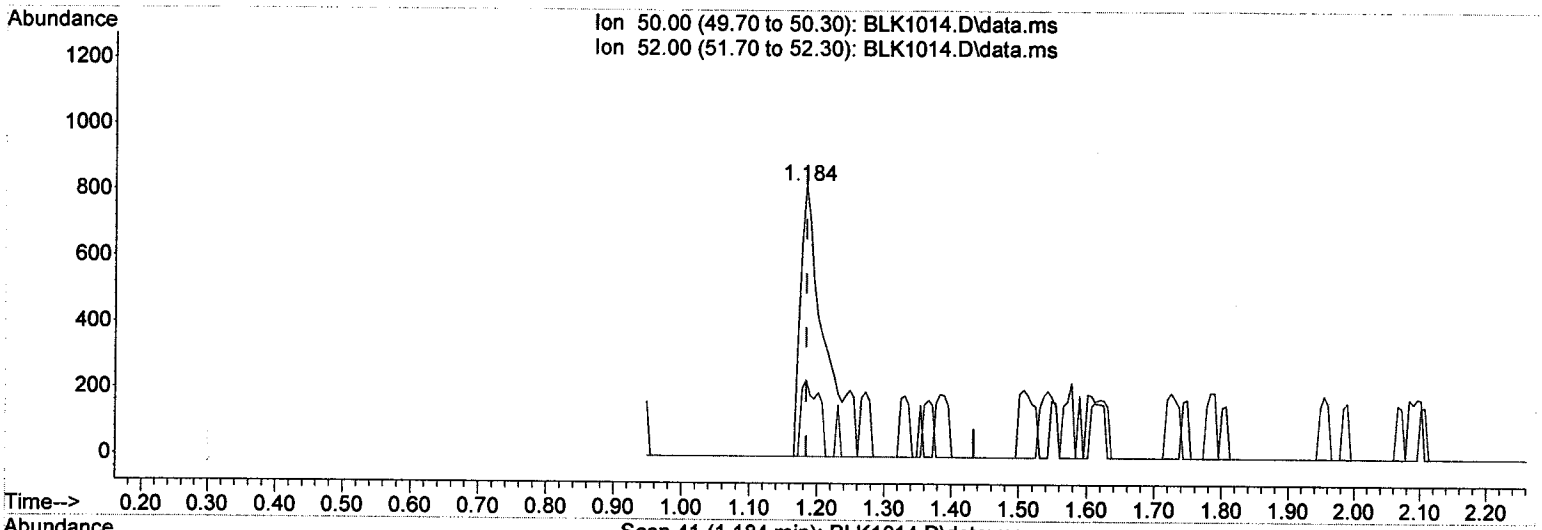
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.566	55	2823	0.58 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	12.430	91	1508	0.09 ug/L #	44
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	13.136	105	1595	0.10 ug/L #	31
77) sec-butylbenzene	13.342	105	1633	0.08 ug/L #	58
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	13.536	119	1763	0.10 ug/L #	51
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	14.054	91	2115	0.13 ug/L #	34
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	16.295	128	2463	ps ~~2.31 ug/L~~ #	77
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

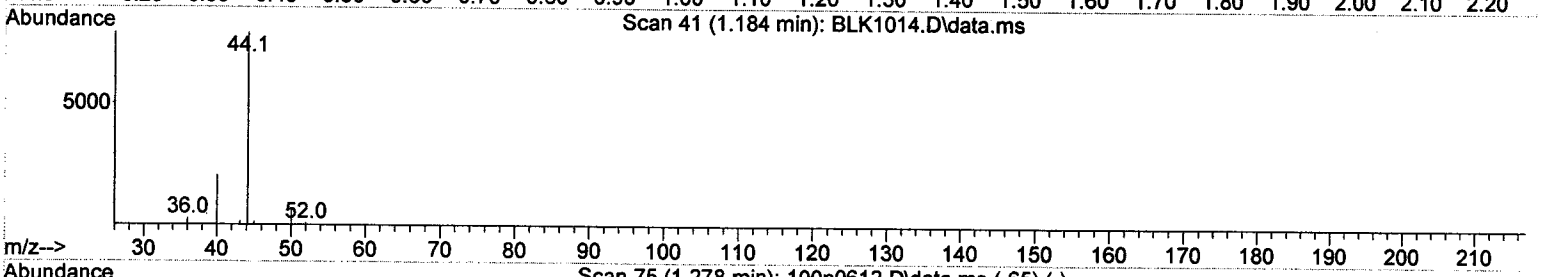
(#) = qualifier out of range (m) = manual integration (+) = signals summed

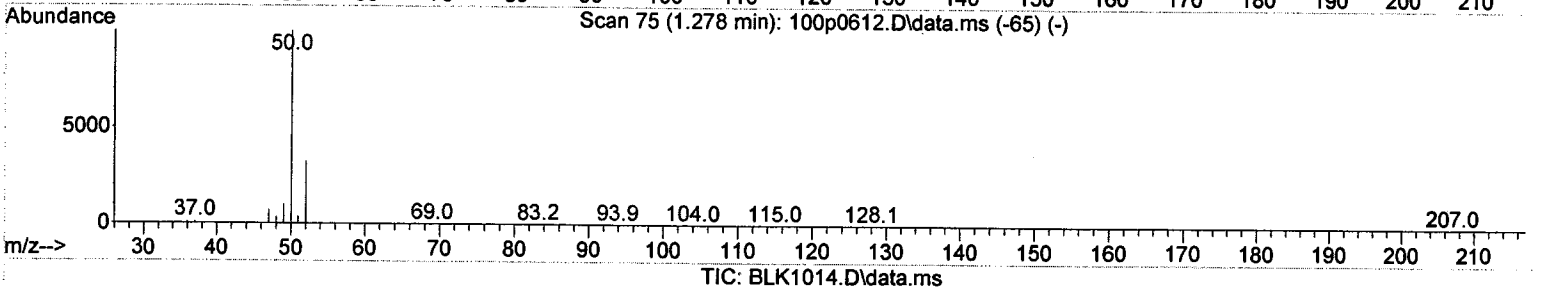
001732

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : BLK1014.D
Acq On : 14 Oct 2014 10:23
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 15 11:32:49 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration







TIC: BLK1014.D\data.ms

(3) chloromethane (P)

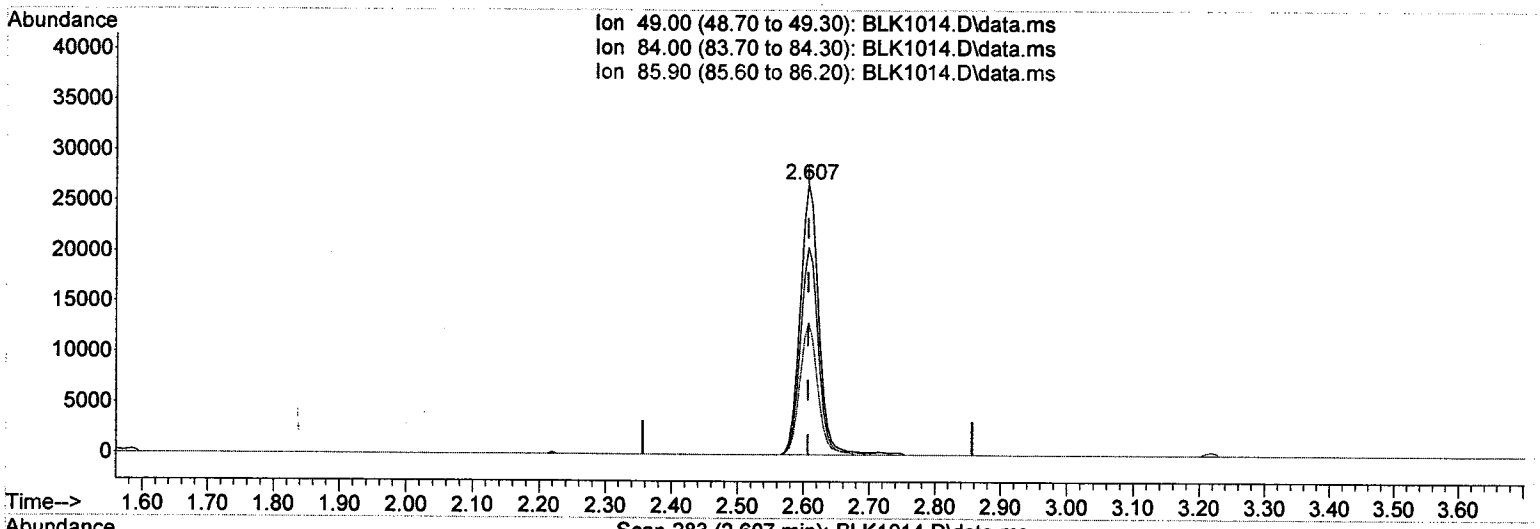
1.184min (-0.000) 0.30 ug/L

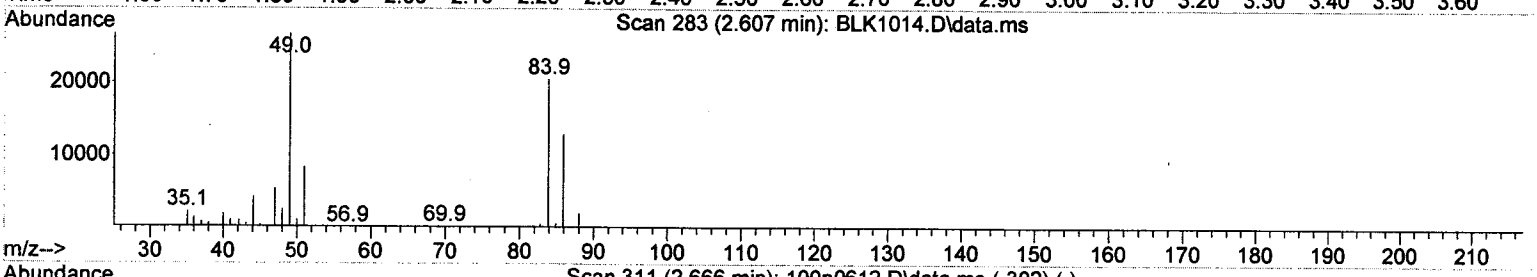
response 1996

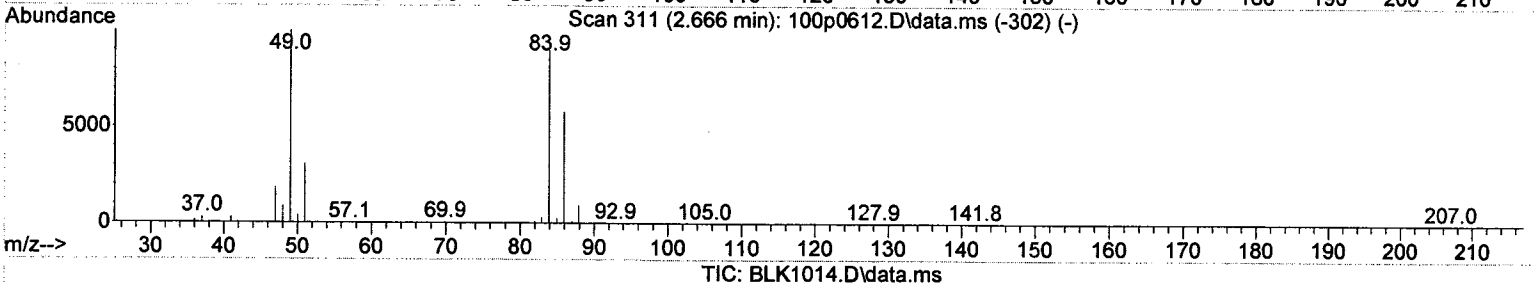
Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : BLK1014.D
Acq On : 14 Oct 2014 10:23
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 14 11:05:37 2014
Quant Method : C:\gcms\1\methods\8260S-17.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:50:05 2014
Response via : Initial Calibration







TIC: BLK1014.D\data.ms

(17) methylene chloride

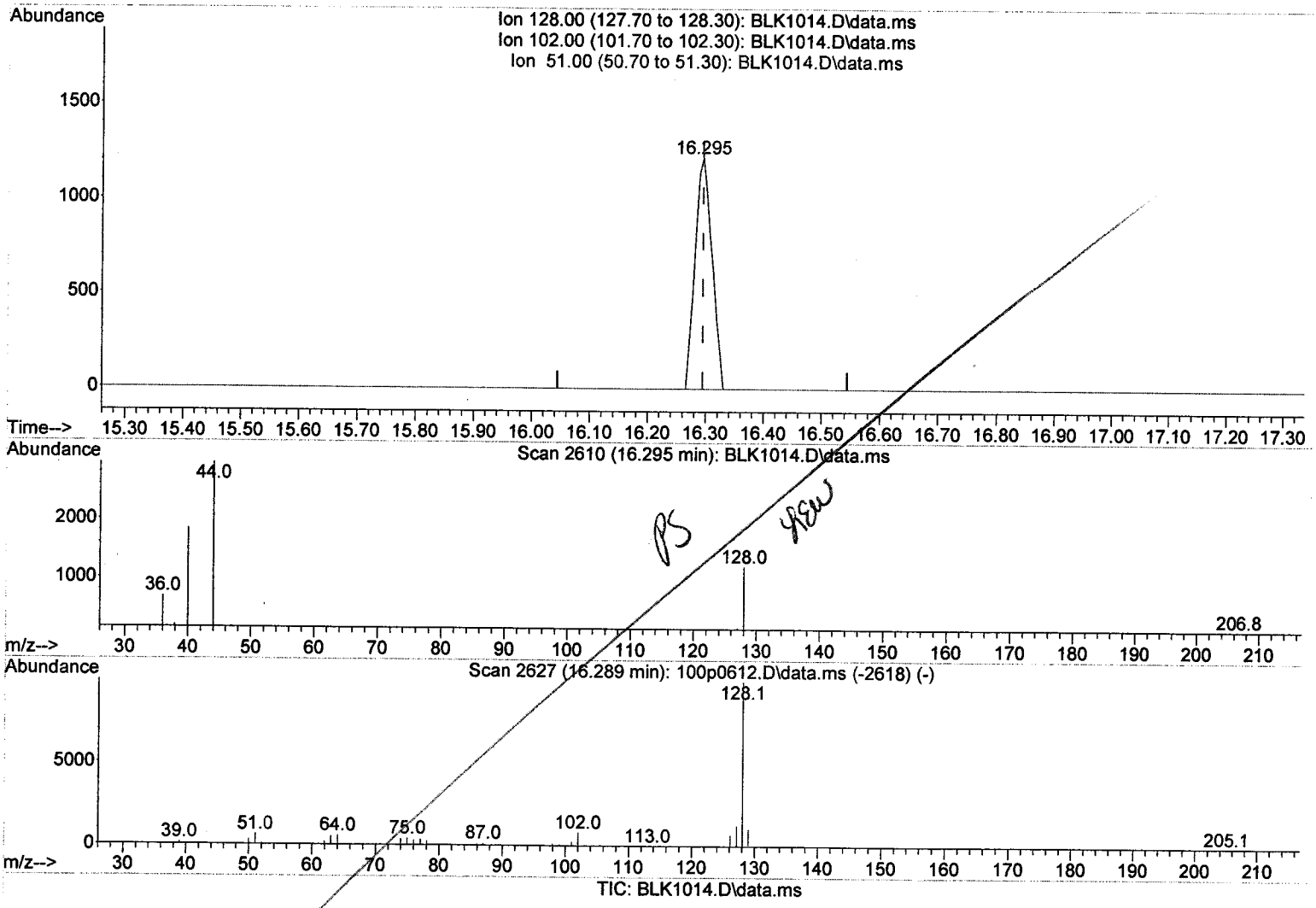
2.607min (+ 0.000) 4.81 ug/L

response 51954

Ion	Exp%	Act%
49.00	100.00	100.00
84.00	74.80	74.91
85.90	48.00	47.31
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : BLK1014.D
Acq On : 14 Oct 2014 10:23
Operator : DLV
Sample : BLK
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 14 11:05:37 2014
Quant Method : C:\gcms\1\methods\8260S-17.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:50:05 2014
Response via : Initial Calibration



TIC: BLK1014.D\data.ms

PS YSW

(87) naphthalene

16.295min (-0.000) 2.31 ug/L

response 2463

Ion	Exp%	Act%
128.00	100.00	100.00
102.00	8.40	0.00
51.00	7.70	0.00
0.00	0.00	0.00

001735

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410493

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410493-MS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Acetone	20.8	16.6	28.7	58	36 - 164	ug/kg dry
Benzene	20.8	ND	19.4	93	77 - 121	ug/kg dry
Bromobenzene	20.8	ND	18.5	89	78 - 121	ug/kg dry
Bromochloromethane	20.8	ND	21.0	101	78 - 125	ug/kg dry
Bromodichloromethane	20.8	ND	20.9	100	75 - 127	ug/kg dry
Bromoform	20.8	ND	20.9	100	67 - 132	ug/kg dry
Bromomethane	20.8	ND	18.2	87	53 - 143	ug/kg dry
n-Butylbenzene	20.8	ND	20.1	97	70 - 128	ug/kg dry
sec-Butylbenzene	20.8	ND	19.7	94	70 - 128	ug/kg dry
tert-Butylbenzene	20.8	ND	19.3	93	73 - 125	ug/kg dry
Carbon Disulfide	20.8	ND	18.7	90	63 - 132	ug/kg dry
Carbon Tetrachloride	20.8	ND	22.3	107	70 - 135	ug/kg dry
Chlorobenzene	20.8	0.234	18.9	89	79 - 120	ug/kg dry
Chloroethane	20.8	ND	19.6	94	59 - 139	ug/kg dry
Chloroform	20.8	ND	20.8	100	78 - 123	ug/kg dry
Chloromethane	20.8	ND	19.3	93	50 - 136	ug/kg dry
2-Chlorotoluene	20.8	ND	19.4	93	75 - 122	ug/kg dry
4-Chlorotoluene	20.8	ND	19.2	92	72 - 124	ug/kg dry
1,2-Dibromo-3-chloropropane	20.8	ND	21.2	102	61 - 132	ug/kg dry
Dibromochloromethane	20.8	ND	21.3	102	74 - 126	ug/kg dry
1,2-Dibromoethane	20.8	ND	20.5	99	78 - 122	ug/kg dry
Dibromomethane	20.8	ND	20.4	98	78 - 125	ug/kg dry
1,2-Dichlorobenzene	20.8	ND	19.1	91	78 - 121	ug/kg dry
1,3-Dichlorobenzene	20.8	ND	19.3	93	77 - 121	ug/kg dry
1,4-Dichlorobenzene	20.8	ND	19.0	91	75 - 120	ug/kg dry
Dichlorodifluoromethane	20.8	ND	19.6	94	29 - 149	ug/kg dry
1,1-Dichloroethane	20.8	ND	19.7	95	76 - 125	ug/kg dry
1,2-Dichloroethane	20.8	ND	20.7	99	73 - 128	ug/kg dry
1,1-Dichloroethene	20.8	ND	21.2	102	70 - 131	ug/kg dry
cis-1,2-Dichloroethene	20.8	ND	20.9	100	77 - 123	ug/kg dry
trans-1,2-Dichloroethene	20.8	ND	19.7	95	74 - 125	ug/kg dry
1,2-Dichloropropane	20.8	ND	20.4	98	76 - 123	ug/kg dry
1,3-Dichloropropane	20.8	ND	21.0	101	77 - 121	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410493

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410493-MS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

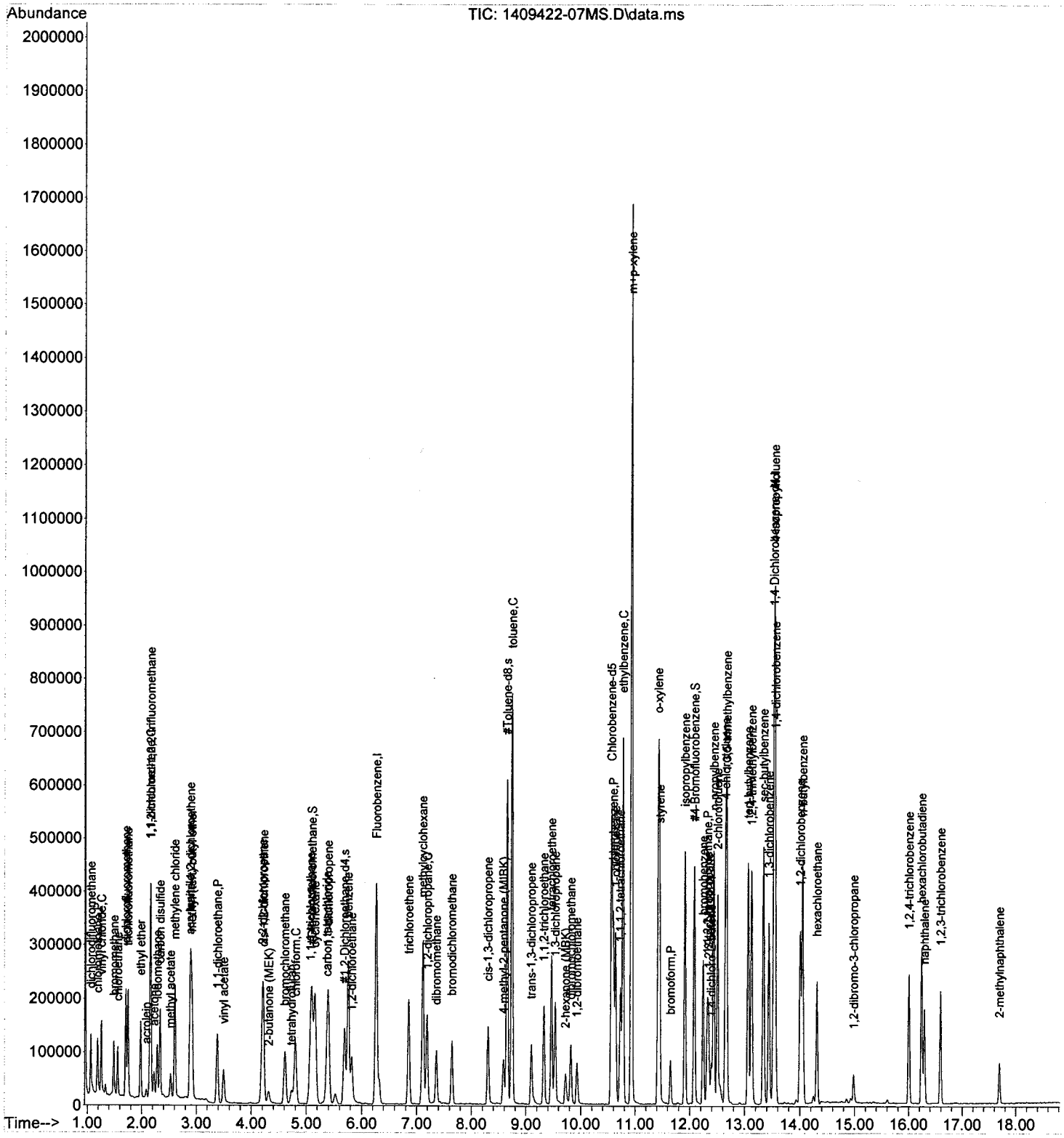
Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
2,2-Dichloropropane	20.8	ND	21.0	101	67 - 133	ug/kg dry
1,1-Dichloropropene	20.8	ND	21.1	101	76 - 125	ug/kg dry
cis-1,3-Dichloropropene	20.8	ND	19.2	92	74 - 126	ug/kg dry
trans-1,3-Dichloropropene	20.8	ND	19.0	91	71 - 130	ug/kg dry
Ethylbenzene	20.8	5.41	29.6	116	76 - 122	ug/kg dry
Hexachlorobutadiene	20.8	ND	19.5	94	61 - 135	ug/kg dry
2-Hexanone	20.8	ND	21.0	101	53 - 145	ug/kg dry
Isopropylbenzene	20.8	ND	20.0	96	68 - 134	ug/kg dry
4-Isopropyltoluene	20.8	ND	19.6	94	73 - 127	ug/kg dry
Methylene Chloride	20.8	ND	13.6	65 *	70 - 128	ug/kg dry
2-Butanone (MEK)	20.8	ND	18.3	88	51 - 148	ug/kg dry
4-Methyl-2-pentanone (MIBK)	20.8	ND	21.2	102	65 - 135	ug/kg dry
Naphthalene	20.8	ND	18.9	91	62 - 129	ug/kg dry
n-Propylbenzene	20.8	ND	19.5	94	73 - 125	ug/kg dry
Styrene	20.8	ND	20.0	96	76 - 124	ug/kg dry
1,1,1,2-Tetrachloroethane	20.8	ND	19.6	94	78 - 125	ug/kg dry
1,1,2,2-Tetrachloroethane	20.8	ND	21.6	104	70 - 124	ug/kg dry
Tetrachloroethene	20.8	ND	20.4	98	73 - 128	ug/kg dry
Toluene	20.8	11.5	38.6	130 *	77 - 121	ug/kg dry
1,2,3-Trichlorobenzene	20.8	ND	19.0	91	66 - 130	ug/kg dry
1,2,4-Trichlorobenzene	20.8	ND	19.6	94	67 - 129	ug/kg dry
1,1,1-Trichloroethane	20.8	ND	20.8	100	73 - 130	ug/kg dry
1,1,2-Trichloroethane	20.8	ND	20.9	100	78 - 121	ug/kg dry
Trichloroethene	20.8	ND	19.8	95	77 - 123	ug/kg dry
Trichlorofluoromethane	20.8	ND	21.3	102	62 - 140	ug/kg dry
1,2,3-Trichloropropane	20.8	ND	21.3	102	73 - 125	ug/kg dry
1,2,4-Trimethylbenzene	20.8	0.181	19.1	91	75 - 123	ug/kg dry
1,3,5-Trimethylbenzene	20.8	ND	19.6	94	73 - 124	ug/kg dry
Vinyl Chloride	20.8	ND	20.5	98	56 - 135	ug/kg dry
Xylene, Meta + Para	41.7	21.9	77.9	135 *	77 - 124	ug/kg dry
Xylene, Ortho	20.8	4.68	27.6	110	77 - 123	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07MS.D
Acq On : 30 Sep 2014 15:26
Operator : DLV
Sample : 1409422-07MS
Misc : AECOM
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 01 07:18:52 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



001739

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07MS.D
Acq On : 30 Sep 2014 15:26
Operator : DLV
Sample : 1409422-07MS
Misc : AECOM
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 01 07:18:52 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	512650	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	353106	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	178807	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	130361	40.44	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.10%		
37) #1,2-Dichloroethane-d4	5.690	67	77216	41.99	ug/L	0.00
Spiked Amount 40.000			Recovery =	104.97%		
46) #Toluene-d8	8.648	98	495017	39.77	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.43%		
64) #4-Bromofluorobenzene	12.083	95	182056	41.13	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.83%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	94146	18.78	ug/L	100
3) chloromethane	1.190	50	112781	18.55	ug/L	98
4) vinyl chloride	1.260	62	111858	19.66	ug/L	98
5) bromomethane	1.490	94	53028	17.45	ug/L	99
6) chloroethane	1.560	64	64331	18.80	ug/L	96
7) dichlorofluoromethane	1.707	67	164021	18.85	ug/L	99
8) trichlorofluoromethane	1.743	101	139516	20.45	ug/L	98
9) ethyl ether	1.978	74	52392	20.30	ug/L	98
10) acrolein	2.084	56	14159	19.43	ug/L #	93
11) 1,1,2-trichloro-1,2,2-...	2.160	101	85165	19.59	ug/L	98
12) 1,1-dichloroethene	2.154	96	76652	20.31	ug/L	94
13) acetone	2.225	43	60360	27.56	ug/L	97
14) iodomethane	2.284	142	101579	22.69	ug/L	99
15) carbon disulfide	2.337	76	212217	17.99	ug/L	98
16) methyl acetate	2.525	43	59443	17.45	ug/L	98
17) methylene chloride	2.601	49	126996	13.05	ug/L	99
18) acrylonitrile	2.878	53	32748	19.04	ug/L	96
19) trans-1,2-dichloroethene	2.884	96	83057	18.94	ug/L	100
20) methyl (tert) butyl ether	2.913	73	228789	20.80	ug/L	100
21) 1,1-dichloroethane	3.384	63	150134	18.92	ug/L	99
22) vinyl acetate	3.496	43	125990	19.74	ug/L	99
23) 2,2-dichloropropane	4.201	77	94391	20.15	ug/L	100
24) cis-1,2-dichloroethene	4.219	96	88404	20.02	ug/L	97
25) 2-butanone (MEK)	4.313	43	42382	17.60	ug/L	96
26) bromochloromethane	4.607	49	70806	20.12	ug/L	98
27) tetrahydrofuran	4.725	71	11014	20.65	ug/L	93
28) chloroform	4.801	83	144057	20.01	ug/L	98
30) 1,1,1-trichloroethane	5.078	97	114950	19.98	ug/L	100
31) cyclohexane	5.154	56	159453	20.62	ug/L	96
32) carbon tetrachloride	5.372	117	95136	21.37	ug/L	99
33) 1,1-dichloropropene	5.395	75	120434	20.22	ug/L	97
34) benzene	5.754	78	334236	18.65	ug/L	97
35) 1,2-dichloroethane	5.819	62	100388	19.87	ug/L	99
36) heptane	5.948	57	1511	No Calib	#	
38) trichloroethene	6.854	130	84988	19.05	ug/L	96

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07MS.D
Acq On : 30 Sep 2014 15:26
Operator : DLV
Sample : 1409422-07MS
Misc : AECOM
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 01 07:18:52 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
39)	methylcyclohexane	7.113	83	161426	19.96 ug/L		98
40)	1,2-dichloropropane	7.195	63	86101	19.62 ug/L		99
41)	dibromomethane	7.360	93	47468	19.55 ug/L		97
42)	bromodichloromethane	7.642	83	97119	20.08 ug/L		98
43)	2-chloroethyl vinyl ether	0.000		0	N.D.		
44)	cis-1,3-dichloropropene	8.301	75	107404	18.45 ug/L		98
45)	4-methyl-2-pentanone (...	8.584	43	79808	20.31 ug/L		98
47)	toluene	8.742	91	698890	37.08 ug/L		98
48)	trans-1,3-dichloropropene	9.101	75	81524	18.26 ug/L		98
49)	1,1,2-trichloroethane	9.325	83	60215	20.08 ug/L		97
51)	tetrachloroethene	9.466	166	94395	19.60 ug/L		98
52)	1,3-dichloropropane	9.536	76	124333	20.15 ug/L		99
53)	2-hexanone (MBK)	9.725	43	59386	20.15 ug/L		97
54)	dibromochloromethane	9.825	129	69105	20.41 ug/L		97
55)	1,2-dibromoethane	9.931	109	60644	19.71 ug/L	#	100
56)	chlorobenzene	10.595	112	217645	18.10 ug/L		99
57)	1-chlorohexane	10.636	55	88238	19.06 ug/L		98
58)	1,1,1,2-tetrachloroethane	10.725	131	66841	18.78 ug/L		99
59)	ethylbenzene	10.772	91	582502	28.39 ug/L		99
60)	m+p-xylene	10.930	106	574676	74.80 ug/L		100
61)	o-xylene	11.425	106	193181	26.46 ug/L		98
62)	styrene	11.454	104	239359	19.15 ug/L		95
63)	bromoform	11.654	173	46050	20.03 ug/L		99
66)	isopropylbenzene	11.913	105	375037	19.16 ug/L		100
67)	bromobenzene	12.242	77	144581	17.79 ug/L		99
68)	1,1,2,2-tetrachloroethane	12.319	83	102512	20.70 ug/L	#	100
69)	1,2,3-trichloropropane	12.342	110	27068	20.40 ug/L		99
70)	1,4-dichloro-2-butene	12.389	53	25120	20.43 ug/L		90
71)	n-propylbenzene	12.436	120	100906	18.76 ug/L		96
72)	2-chlorotoluene	12.507	126	87452	18.61 ug/L		98
73)	1,3,5-trimethylbenzene	12.672	105	314843	18.82 ug/L		100
74)	4-chlorotoluene	12.648	91	304107	18.41 ug/L		99
75)	tert-butylbenzene	13.066	119	263236	18.57 ug/L		99
76)	1,2,4-trimethylbenzene	13.124	105	307884	18.36 ug/L		99
77)	sec-butylbenzene	13.342	105	408493	18.90 ug/L		100
78)	1,3-dichlorobenzene	13.436	146	173621	18.55 ug/L		99
79)	4-isopropyltoluene	13.536	119	342251	18.84 ug/L		100
80)	1,4-dichlorobenzene	13.554	146	173135	18.25 ug/L		98
81)	1,2-dichlorobenzene	14.007	146	161100	18.30 ug/L		99
82)	n-butylbenzene	14.048	91	334652	19.33 ug/L		100
83)	hexachloroethane	14.313	201	37540	19.34 ug/L		99
84)	1,2-dibromo-3-chloropr...	14.983	157	16984	20.38 ug/L		99
85)	1,2,4-trichlorobenzene	16.007	180	91755	18.84 ug/L		100
86)	hexachlorobutadiene	16.242	225	66722	18.71 ug/L		98
87)	naphthalene	16.295	128	163646	18.18 ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	76431	18.21 ug/L		98
89)	2-methylnaphthalene	17.695	142	40949	20.61 ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410493

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410493-MSD1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Acetone	20.8	28.7	58	0	20	36 - 164	ug/kg dry
Benzene	20.8	19.3	93	0.5	20	77 - 121	ug/kg dry
Bromobenzene	20.8	19.5	93	5	20	78 - 121	ug/kg dry
Bromochloromethane	20.8	21.4	103	2	20	78 - 125	ug/kg dry
Bromodichloromethane	20.8	21.6	104	3	20	75 - 127	ug/kg dry
Bromoform	20.8	20.9	100	0.1	20	67 - 132	ug/kg dry
Bromomethane	20.8	17.7	85	3	20	53 - 143	ug/kg dry
n-Butylbenzene	20.8	20.3	97	0.8	20	70 - 128	ug/kg dry
sec-Butylbenzene	20.8	19.9	95	1	20	70 - 128	ug/kg dry
tert-Butylbenzene	20.8	19.6	94	1	20	73 - 125	ug/kg dry
Carbon Disulfide	20.8	17.8	85	5	20	63 - 132	ug/kg dry
Carbon Tetrachloride	20.8	20.7	99	7	20	70 - 135	ug/kg dry
Chlorobenzene	20.8	19.1	91	1	20	79 - 120	ug/kg dry
Chloroethane	20.8	18.9	91	4	20	59 - 139	ug/kg dry
Chloroform	20.8	20.7	99	0.8	20	78 - 123	ug/kg dry
Chloromethane	20.8	18.5	89	4	20	50 - 136	ug/kg dry
2-Chlorotoluene	20.8	19.7	95	2	20	75 - 122	ug/kg dry
4-Chlorotoluene	20.8	19.5	93	2	20	72 - 124	ug/kg dry
1,2-Dibromo-3-chloropropane	20.8	23.5	113	10	20	61 - 132	ug/kg dry
Dibromochloromethane	20.8	21.5	103	1	20	74 - 126	ug/kg dry
1,2-Dibromoethane	20.8	22.2	107	8	20	78 - 122	ug/kg dry
Dibromomethane	20.8	22.8	110	11	20	78 - 125	ug/kg dry
1,2-Dichlorobenzene	20.8	19.7	95	3	20	78 - 121	ug/kg dry
1,3-Dichlorobenzene	20.8	19.6	94	1	20	77 - 121	ug/kg dry
1,4-Dichlorobenzene	20.8	19.4	93	2	20	75 - 120	ug/kg dry
Dichlorodifluoromethane	20.8	18.5	89	5	20	29 - 149	ug/kg dry
1,1-Dichloroethane	20.8	19.1	92	3	20	76 - 125	ug/kg dry
1,2-Dichloroethane	20.8	21.8	105	5	20	73 - 128	ug/kg dry
1,1-Dichloroethene	20.8	20.3	97	4	20	70 - 131	ug/kg dry
cis-1,2-Dichloroethene	20.8	21.4	103	3	20	77 - 123	ug/kg dry
trans-1,2-Dichloroethene	20.8	19.4	93	1	20	74 - 125	ug/kg dry
1,2-Dichloropropane	20.8	21.1	101	3	20	76 - 123	ug/kg dry
1,3-Dichloropropane	20.8	22.2	107	6	20	77 - 121	ug/kg dry
2,2-Dichloropropane	20.8	20.7	99	2	20	67 - 133	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410493

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410493-MSD1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

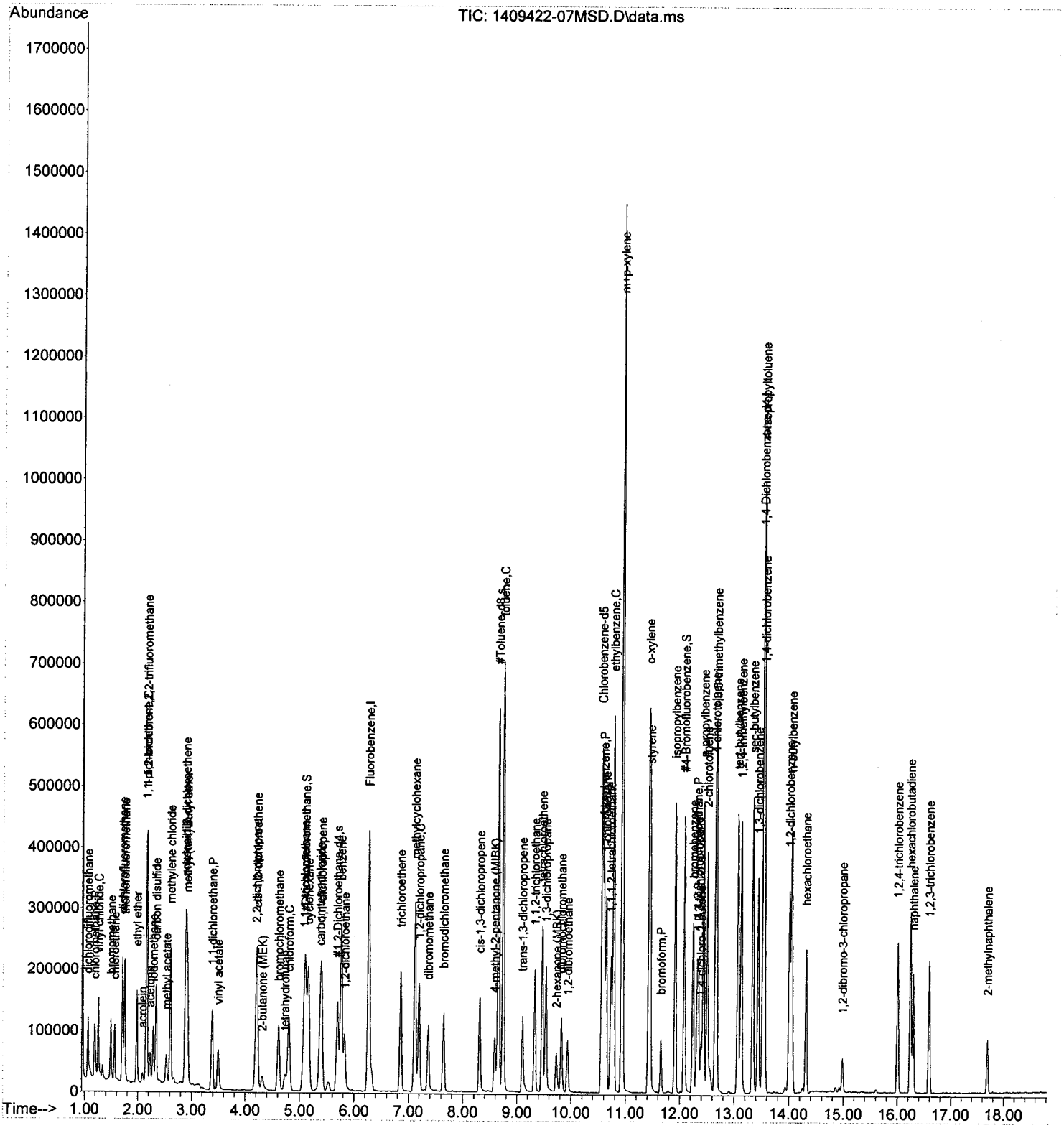
Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,1-Dichloropropene	20.8	20.1	96	5	20	76 - 125	ug/kg dry
cis-1,3-Dichloropropene	20.8	19.9	96	4	20	74 - 126	ug/kg dry
trans-1,3-Dichloropropene	20.8	19.1	92	0.3	20	71 - 130	ug/kg dry
Ethylbenzene	20.8	25.8	98	14	20	76 - 122	ug/kg dry
Hexachlorobutadiene	20.8	19.8	95	2	20	61 - 135	ug/kg dry
2-Hexanone	20.8	21.0	101	0.05	20	53 - 145	ug/kg dry
Isopropylbenzene	20.8	19.7	94	1	20	68 - 134	ug/kg dry
4-Isopropyltoluene	20.8	19.5	94	0.7	20	73 - 127	ug/kg dry
Methylene Chloride	20.8	14.2	68 *	4	20	70 - 128	ug/kg dry
2-Butanone (MEK)	20.8	18.5	89	1	20	51 - 148	ug/kg dry
4-Methyl-2-pentanone (MIBK)	20.8	21.9	105	4	20	65 - 135	ug/kg dry
Naphthalene	20.8	20.9	100	10	20	62 - 129	ug/kg dry
n-Propylbenzene	20.8	19.5	93	0.4	20	73 - 125	ug/kg dry
Styrene	20.8	19.8	95	0.8	20	76 - 124	ug/kg dry
1,1,1,2-Tetrachloroethane	20.8	20.2	97	3	20	78 - 125	ug/kg dry
1,1,2,2-Tetrachloroethane	20.8	23.5	113	8	20	70 - 124	ug/kg dry
Tetrachloroethene	20.8	19.9	96	2	20	73 - 128	ug/kg dry
Toluene	20.8	33.4	106	14	20	77 - 121	ug/kg dry
1,2,3-Trichlorobenzene	20.8	20.4	98	7	20	66 - 130	ug/kg dry
1,2,4-Trichlorobenzene	20.8	20.6	99	5	20	67 - 129	ug/kg dry
1,1,1-Trichloroethane	20.8	19.9	95	5	20	73 - 130	ug/kg dry
1,1,2-Trichloroethane	20.8	21.8	105	4	20	78 - 121	ug/kg dry
Trichloroethene	20.8	19.5	94	2	20	77 - 123	ug/kg dry
Trichlorofluoromethane	20.8	20.7	99	3	20	62 - 140	ug/kg dry
1,2,3-Trichloropropane	20.8	23.0	110	8	20	73 - 125	ug/kg dry
1,2,4-Trimethylbenzene	20.8	19.5	93	2	20	75 - 123	ug/kg dry
1,3,5-Trimethylbenzene	20.8	19.9	96	2	20	73 - 124	ug/kg dry
Vinyl Chloride	20.8	19.9	95	3	20	56 - 135	ug/kg dry
Xylene, Meta + Para	41.7	65.5	105	17	20	77 - 124	ug/kg dry
Xylene, Ortho	20.8	25.2	98	9	20	77 - 123	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07MSD.D
Acq On : 30 Sep 2014 15:49
Operator : DLV
Sample : 1409422-07MSD
Misc : AECOM
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 01 07:18:55 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



8260S-16C.M Wed Oct 01 07:18:56 2014 Page: 3

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07MSD.D
Acq On : 30 Sep 2014 15:49
Operator : DLV
Sample : 1409422-07MSD
Misc : AECOM
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 01 07:18:55 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	525864	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	361784	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	179005	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	134508	40.67	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.68%		
37) #1,2-Dichloroethane-d4	5.689	67	79768	42.29	ug/L	0.00
Spiked Amount 40.000			Recovery =	105.73%		
46) #Toluene-d8	8.654	98	502518	39.36	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.40%		
64) #4-Bromofluorobenzene	12.083	95	182657	40.27	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.68%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.060	85	91504	17.79	ug/L	99
3) chloromethane	1.190	50	110902	17.78	ug/L	100
4) vinyl chloride	1.260	62	111252	19.06	ug/L	99
5) bromomethane	1.490	94	52863	16.96	ug/L	100
6) chloroethane	1.560	64	63633	18.13	ug/L	98
7) dichlorofluoromethane	1.707	67	164634	18.45	ug/L	99
8) trichlorofluoromethane	1.748	101	138675	19.83	ug/L	99
9) ethyl ether	1.978	74	54253	20.49	ug/L	97
10) acrolein	2.084	56	14776	19.77	ug/L #	99
11) 1,1,2-trichloro-1,2,2-...	2.160	101	85013	19.07	ug/L	98
12) 1,1-dichloroethene	2.154	96	75384	19.47	ug/L	98
13) acetone	2.225	43	61912	27.56	ug/L	95
14) iodomethane	2.284	142	94218	20.52	ug/L	99
15) carbon disulfide	2.337	76	206368	17.06	ug/L	100
16) methyl acetate	2.531	43	64857	18.56	ug/L	98
17) methylene chloride	2.607	49	133728	13.65	ug/L	100
18) acrylonitrile	2.884	53	35370	20.05	ug/L	99
19) trans-1,2-dichloroethene	2.890	96	83927	18.66	ug/L	100
20) methyl (tert) butyl ether	2.913	73	238727	21.16	ug/L	100
21) 1,1-dichloroethane	3.384	63	149043	18.31	ug/L	99
22) vinyl acetate	3.495	43	131882	20.14	ug/L	100
23) 2,2-dichloropropane	4.201	77	95286	19.83	ug/L	99
24) cis-1,2-dichloroethene	4.219	96	93126	20.54	ug/L	95
25) 2-butanone (MEK)	4.313	43	43889	17.80	ug/L	98
26) bromochloromethane	4.613	49	74193	20.54	ug/L	98
27) tetrahydrofuran	4.731	71	11701	21.38	ug/L	97
28) chloroform	4.801	83	146651	19.86	ug/L	99
30) 1,1,1-trichloroethane	5.084	97	112597	19.08	ug/L	99
31) cyclohexane	5.160	56	155953	19.66	ug/L	98
32) carbon tetrachloride	5.378	117	90616	19.84	ug/L	97
33) 1,1-dichloropropene	5.401	75	117702	19.27	ug/L	99
34) benzene	5.760	78	341124	18.56	ug/L	99
35) 1,2-dichloroethane	5.825	62	108690	20.94	ug/L	98
36) heptane	0.000		0	N.D.		
38) trichloroethene	6.854	130	85731	18.73	ug/L	96

001745

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : 1409422-07MSD.D
Acq On : 30 Sep 2014 15:49
Operator : DLV
Sample : 1409422-07MSD
Misc : AECOM
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 01 07:18:55 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	164360	19.82	ug/L		97
40) 1,2-dichloropropane	7.195	63	91016	20.21	ug/L		100
41) dibromomethane	7.366	93	54751	21.90	ug/L		98
42) bromodichloromethane	7.648	83	103034	20.72	ug/L		99
43) 2-chloroethyl vinyl ether	0.000		0	N.D.			
44) cis-1,3-dichloropropene	8.307	75	114158	19.11	ug/L		100
45) 4-methyl-2-pentanone (...	8.583	43	84827	21.05	ug/L		100
47) toluene	8.742	91	620433	32.09	ug/L		100
48) trans-1,3-dichloropropene	9.101	75	83902	18.32	ug/L		96
49) 1,1,2-trichloroethane	9.330	83	64539	20.95	ug/L		96
51) tetrachloroethene	9.466	166	94317	19.12	ug/L		98
52) 1,3-dichloropropane	9.536	76	135141	21.34	ug/L		99
53) 2-hexanone (MBK)	9.730	43	60883	20.16	ug/L		98
54) dibromochloromethane	9.825	129	71686	20.63	ug/L		96
55) 1,2-dibromoethane	9.936	109	67732	21.34	ug/L	#	100
56) chlorobenzene	10.595	112	225900	18.34	ug/L		99
57) 1-chlorohexane	10.636	55	90114	19.00	ug/L		96
58) 1,1,1,2-tetrachloroethane	10.724	131	70557	19.35	ug/L		99
59) ethylbenzene	10.772	91	519715	24.73	ug/L		99
60) m+p-xylene	10.930	106	495138	62.90	ug/L		100
61) o-xylene	11.430	106	180695	24.16	ug/L		96
62) styrene	11.454	104	243388	19.00	ug/L		97
63) bromoform	11.654	173	47244	20.06	ug/L		100
66) isopropylbenzene	11.913	105	369853	18.88	ug/L		100
67) bromobenzene	12.242	77	152164	18.70	ug/L		99
68) 1,1,2,2-tetrachloroethane	12.319	83	111867	22.51	ug/L	#	100
69) 1,2,3-trichloropropane	12.342	110	29452	22.08	ug/L		96
70) 1,4-dichloro-2-butene	12.389	53	28252	22.70	ug/L		92
71) n-propylbenzene	12.436	120	100560	18.68	ug/L		98
72) 2-chlorotoluene	12.507	126	89030	18.93	ug/L		97
73) 1,3,5-trimethylbenzene	12.671	105	320292	19.13	ug/L		100
74) 4-chlorotoluene	12.648	91	309259	18.70	ug/L		99
75) tert-butylbenzene	13.066	119	267067	18.82	ug/L		99
76) 1,2,4-trimethylbenzene	13.130	105	313806	18.69	ug/L		99
77) sec-butylbenzene	13.342	105	413291	19.10	ug/L		99
78) 1,3-dichlorobenzene	13.436	146	176008	18.78	ug/L		99
79) 4-isopropyltoluene	13.536	119	340207	18.71	ug/L		99
80) 1,4-dichlorobenzene	13.554	146	176784	18.62	ug/L		98
81) 1,2-dichlorobenzene	14.007	146	166630	18.91	ug/L		99
82) n-butylbenzene	14.048	91	337728	19.48	ug/L		99
83) hexachloroethane	14.313	201	38390	19.76	ug/L		98
84) 1,2-dibromo-3-chloropr...	14.983	157	18800	22.53	ug/L		98
85) 1,2,4-trichlorobenzene	16.007	180	96565	19.81	ug/L		98
86) hexachlorobutadiene	16.242	225	67827	19.00	ug/L		96
87) naphthalene	16.295	128	184924	20.05	ug/L		99
88) 1,2,3-trichlorobenzene	16.595	180	82148	19.55	ug/L		98
89) 2-methylnaphthalene	17.695	142	47482	23.41	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001746

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410976

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410976-MS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Acetone	20.7	22.9	34.4	55	36 - 164	ug/kg dry
Benzene	20.7	ND	18.9	91	77 - 121	ug/kg dry
Bromobenzene	20.7	ND	17.3	84	78 - 121	ug/kg dry
Bromochloromethane	20.7	ND	19.3	93	78 - 125	ug/kg dry
Bromodichloromethane	20.7	ND	20.7	100	75 - 127	ug/kg dry
Bromoform	20.7	ND	21.4	103	67 - 132	ug/kg dry
Bromomethane	20.7	ND	18.4	89	53 - 143	ug/kg dry
n-Butylbenzene	20.7	ND	17.2	83	70 - 128	ug/kg dry
sec-Butylbenzene	20.7	ND	17.0	82	70 - 128	ug/kg dry
tert-Butylbenzene	20.7	ND	16.1	78	73 - 125	ug/kg dry
Carbon Disulfide	20.7	ND	19.1	92	63 - 132	ug/kg dry
Carbon Tetrachloride	20.7	ND	20.1	97	70 - 135	ug/kg dry
Chlorobenzene	20.7	ND	18.4	89	79 - 120	ug/kg dry
Chloroethane	20.7	ND	18.0	87	59 - 139	ug/kg dry
Chloroform	20.7	ND	18.7	91	78 - 123	ug/kg dry
Chloromethane	20.7	ND	18.3	89	50 - 136	ug/kg dry
2-Chlorotoluene	20.7	ND	17.4	84	75 - 122	ug/kg dry
4-Chlorotoluene	20.7	ND	17.5	85	72 - 124	ug/kg dry
1,2-Dibromo-3-chloropropane	20.7	ND	21.7	105	61 - 132	ug/kg dry
Dibromochloromethane	20.7	ND	21.1	102	74 - 126	ug/kg dry
1,2-Dibromoethane	20.7	ND	20.9	101	78 - 122	ug/kg dry
Dibromomethane	20.7	ND	21.0	102	78 - 125	ug/kg dry
1,2-Dichlorobenzene	20.7	ND	17.8	86	78 - 121	ug/kg dry
1,3-Dichlorobenzene	20.7	ND	17.4	84	77 - 121	ug/kg dry
1,4-Dichlorobenzene	20.7	ND	17.6	85	75 - 120	ug/kg dry
Dichlorodifluoromethane	20.7	ND	18.7	90	29 - 149	ug/kg dry
1,1-Dichloroethane	20.7	ND	19.1	92	76 - 125	ug/kg dry
1,2-Dichloroethane	20.7	ND	20.2	98	73 - 128	ug/kg dry
1,1-Dichloroethene	20.7	ND	18.8	91	70 - 131	ug/kg dry
cis-1,2-Dichloroethene	20.7	ND	19.0	92	77 - 123	ug/kg dry
trans-1,2-Dichloroethene	20.7	ND	18.2	88	74 - 125	ug/kg dry
1,2-Dichloropropane	20.7	ND	19.8	96	76 - 123	ug/kg dry
1,3-Dichloropropane	20.7	ND	20.8	100	77 - 121	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410976

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410976-MS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

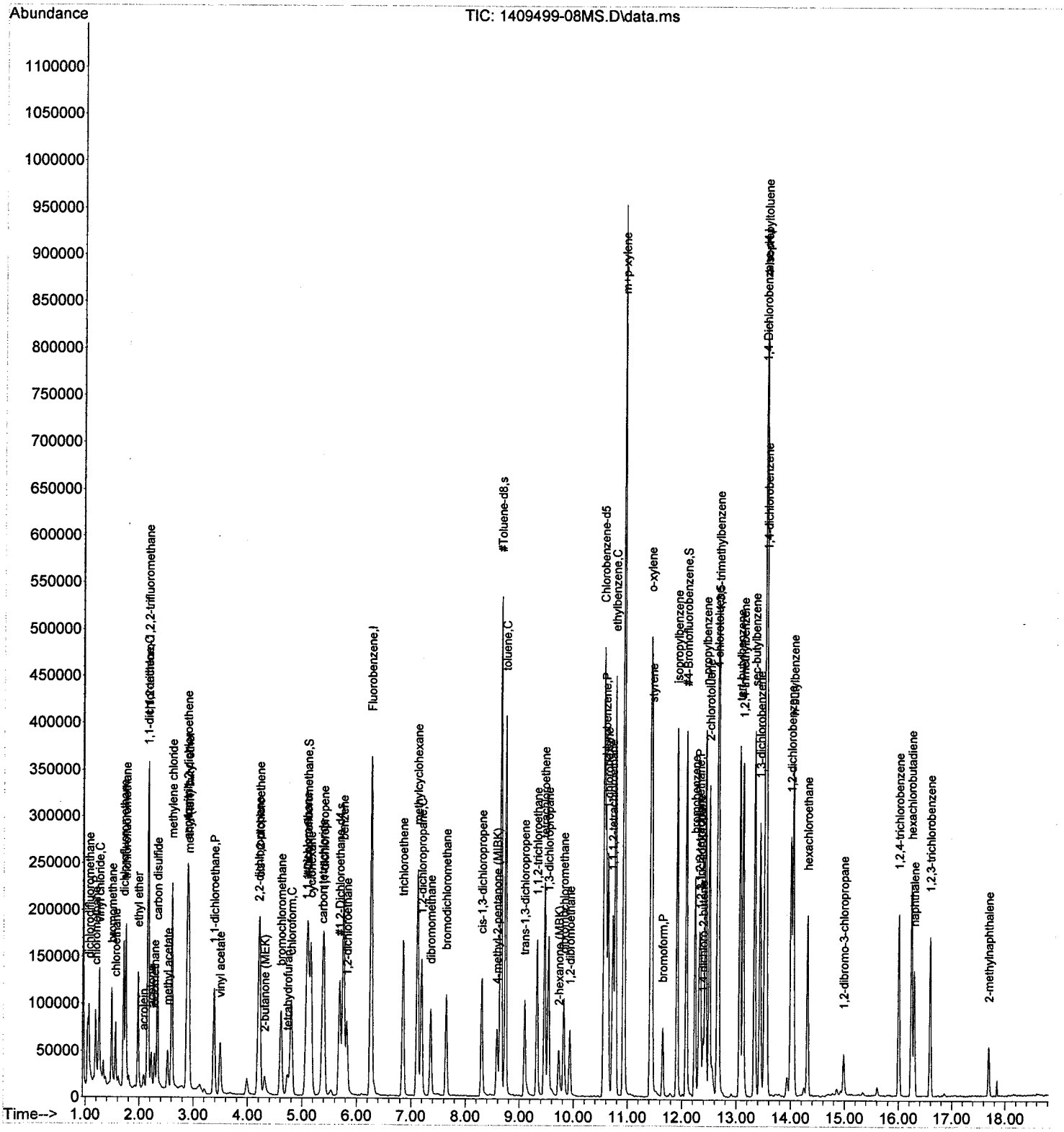
Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
2,2-Dichloropropane	20.7	ND	18.3	88	67 - 133	ug/kg dry
1,1-Dichloropropene	20.7	ND	18.5	89	76 - 125	ug/kg dry
cis-1,3-Dichloropropene	20.7	ND	20.3	98	74 - 126	ug/kg dry
trans-1,3-Dichloropropene	20.7	ND	20.5	99	71 - 130	ug/kg dry
Ethylbenzene	20.7	1.16	20.7	94	76 - 122	ug/kg dry
Hexachlorobutadiene	20.7	ND	16.4	79	61 - 135	ug/kg dry
2-Hexanone	20.7	ND	20.1	97	53 - 145	ug/kg dry
Isopropylbenzene	20.7	ND	16.8	81	68 - 134	ug/kg dry
4-Isopropyltoluene	20.7	ND	16.8	81	73 - 127	ug/kg dry
Methylene Chloride	20.7	1.08	21.5	99	70 - 128	ug/kg dry
2-Butanone (MEK)	20.7	3.71	20.2	80	51 - 148	ug/kg dry
4-Methyl-2-pentanone (MIBK)	20.7	ND	21.0	101	65 - 135	ug/kg dry
Naphthalene	20.7	ND	18.8	91	62 - 129	ug/kg dry
n-Propylbenzene	20.7	ND	16.9	82	73 - 125	ug/kg dry
Styrene	20.7	ND	19.7	95	76 - 124	ug/kg dry
1,1,1,2-Tetrachloroethane	20.7	ND	20.0	96	78 - 125	ug/kg dry
1,1,2,2-Tetrachloroethane	20.7	ND	19.0	92	70 - 124	ug/kg dry
Tetrachloroethene	20.7	ND	17.7	85	73 - 128	ug/kg dry
Toluene	20.7	1.66	22.0	98	77 - 121	ug/kg dry
1,2,3-Trichlorobenzene	20.7	ND	18.0	87	66 - 130	ug/kg dry
1,2,4-Trichlorobenzene	20.7	ND	18.2	88	67 - 129	ug/kg dry
1,1,1-Trichloroethane	20.7	ND	18.7	91	73 - 130	ug/kg dry
1,1,2-Trichloroethane	20.7	ND	19.5	94	78 - 121	ug/kg dry
Trichloroethene	20.7	ND	18.3	88	77 - 123	ug/kg dry
Trichlorofluoromethane	20.7	ND	18.4	89	62 - 140	ug/kg dry
1,2,3-Trichloropropane	20.7	ND	19.4	94	73 - 125	ug/kg dry
1,2,4-Trimethylbenzene	20.7	ND	17.0	82	75 - 123	ug/kg dry
1,3,5-Trimethylbenzene	20.7	ND	17.1	83	73 - 124	ug/kg dry
Vinyl Chloride	20.7	ND	19.0	92	56 - 135	ug/kg dry
Xylene, Meta + Para	41.4	4.67	47.6	104	77 - 124	ug/kg dry
Xylene, Ortho	20.7	1.27	21.5	98	77 - 123	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08MS.D
Acq On : 09 Oct 2014 08:41
Operator : DLV
Sample : 1409499-08MS
Misc : AECOM
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 09 09:04:18 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



8260S-17C.M Thu Oct 09 09:04:20 2014 001750 Page: 3

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08MS.D
Acq On : 09 Oct 2014 08:41
Operator : DLV
Sample : 1409499-08MS
Misc : AECOM
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 09 09:04:18 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	448460	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	311549	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	162879	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	113941	40.93	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.33%		
37) #1,2-Dichloroethane-d4	5.689	67	68031	41.62	ug/L	0.00
Spiked Amount 40.000			Recovery =	104.05%		
46) #Toluene-d8	8.654	98	435579	40.17	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.43%		
64) #4-Bromofluorobenzene	12.083	95	159272	41.31	ug/L	0.00
Spiked Amount 40.000			Recovery =	103.28%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	74889	18.07	ug/L	98
3) chloromethane	1.190	50	101837	17.72	ug/L	99
4) vinyl chloride	1.260	62	96054	18.38	ug/L	100
5) bromomethane	1.490	94	57163	17.74	ug/L	100
6) chloroethane	1.560	64	51716	17.43	ug/L	98
7) dichlorofluoromethane	1.707	67	137619	18.17	ug/L	99
8) trichlorofluoromethane	1.748	101	111525	17.78	ug/L	99
9) ethyl ether	1.978	74	44927	18.88	ug/L	95
10) acrolein	2.084	56	12706	19.28	ug/L #	97
11) 1,1,2-trichloro-1,2,2-...	2.160	101	68544	17.80	ug/L	98
12) 1,1-dichloroethene	2.154	96	63962	18.16	ug/L	99
13) acetone	2.225	43	45843	33.21	ug/L #	87
14) iodomethane	2.284	142	40398	16.33	ug/L	98
15) carbon disulfide	2.337	76	166074	18.46	ug/L	96
16) methyl acetate	2.531	43	54660	17.72	ug/L	97
17) methylene chloride	2.607	49	128415	20.78	ug/L	99
18) acrylonitrile	2.884	53	30065	19.34	ug/L	96
19) trans-1,2-dichloroethene	2.890	96	70126	17.63	ug/L	97
20) methyl (tert) butyl ether	2.913	73	193439	19.88	ug/L	99
21) 1,1-dichloroethane	3.384	63	128985	18.42	ug/L	98
22) vinyl acetate	3.495	43	113358	20.93	ug/L	99
23) 2,2-dichloropropane	4.201	77	72818	17.67	ug/L	100
24) cis-1,2-dichloroethene	4.219	96	76603	18.36	ug/L	97
25) 2-butanone (MEK)	4.313	43	34382	19.52	ug/L	96
26) bromochloromethane	4.613	49	62896	18.61	ug/L	99
27) tetrahydrofuran	4.737	71	8347	16.96	ug/L	85
28) chloroform	4.801	83	122759	18.11	ug/L	98
30) 1,1,1-trichloroethane	5.084	97	94773	18.11	ug/L	100
31) cyclohexane	5.160	56	122359	17.18	ug/L	99
32) carbon tetrachloride	5.378	117	78626	19.47	ug/L	100
33) 1,1-dichloropropene	5.401	75	97684	17.86	ug/L	99
34) benzene	5.760	78	284997	18.29	ug/L	95
35) 1,2-dichloroethane	5.825	62	90911	19.55	ug/L	99
36) heptane	0.000		0	N.D.		
38) trichloroethene	6.854	130	73013	17.64	ug/L	98

001751

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08MS.D
Acq On : 09 Oct 2014 08:41
Operator : DLV
Sample : 1409499-08MS
Misc : AECOM
ALS Vial : 4 Sample Multiplier: 1
Quant Time: Oct 09 09:04:18 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	124087	17.14 ug/L	97
40) 1,2-dichloropropane	7.195	63	76551	19.18 ug/L	100
41) dibromomethane	7.366	93	44894	20.32 ug/L	98
42) bromodichloromethane	7.648	83	87300	20.05 ug/L	100
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	8.307	75	95439	19.61 ug/L	97
45) 4-methyl-2-pentanone (...	8.583	43	69453	20.27 ug/L	99
47) toluene	8.742	91	357077	21.26 ug/L	100
48) trans-1,3-dichloropropene	9.101	75	72722	19.84 ug/L	97
49) 1,1,2-trichloroethane	9.330	83	54544	18.83 ug/L	99
51) tetrachloroethene	9.466	166	77883	17.10 ug/L	97
52) 1,3-dichloropropane	9.536	76	116169	20.10 ug/L	99
53) 2-hexanone (MBK)	9.730	43	48424	19.42 ug/L	96
54) dibromochloromethane	9.825	129	61762	20.42 ug/L	100
55) 1,2-dibromoethane	9.936	109	56681	20.16 ug/L #	100
56) chlorobenzene	10.595	112	186044	17.74 ug/L	98
57) 1-chlorohexane	10.636	55	70963	16.79 ug/L	99
58) 1,1,1,2-tetrachloroethane	10.724	131	59833	19.30 ug/L	100
59) ethylbenzene	10.772	91	374696	19.99 ug/L	100
60) m+p-xylene	10.930	106	317918	46.05 ug/L	100
61) o-xylene	11.430	106	135806	20.77 ug/L	99
62) styrene	11.454	104	208956	19.04 ug/L	100
63) bromoform	11.654	173	40529	20.65 ug/L	98
66) isopropylbenzene	11.913	105	306733	16.27 ug/L	99
67) bromobenzene	12.242	77	124178	16.75 ug/L	97
68) 1,1,2,2-tetrachloroethane	12.318	83	89669	18.41 ug/L #	97
69) 1,2,3-trichloropropane	12.342	110	24247	18.76 ug/L	97
70) 1,4-dichloro-2-butene	12.389	53	20729	19.30 ug/L	91
71) n-propylbenzene	12.436	120	82998	16.38 ug/L	99
72) 2-chlorotoluene	12.507	126	74856	16.84 ug/L	99
73) 1,3,5-trimethylbenzene	12.671	105	268512	16.55 ug/L	100
74) 4-chlorotoluene	12.648	91	260455	16.96 ug/L	99
75) tert-butylbenzene	13.066	119	216707	15.56 ug/L	98
76) 1,2,4-trimethylbenzene	13.130	105	258344	16.42 ug/L	99
77) sec-butylbenzene	13.342	105	340867	16.47 ug/L	100
78) 1,3-dichlorobenzene	13.436	146	149092	16.81 ug/L	99
79) 4-isopropyltoluene	13.536	119	279849	16.25 ug/L	99
80) 1,4-dichlorobenzene	13.554	146	151173	17.03 ug/L	98
81) 1,2-dichlorobenzene	14.007	146	139312	17.19 ug/L	99
82) n-butylbenzene	14.048	91	268022	16.60 ug/L	99
83) hexachloroethane	14.313	201	31992	17.02 ug/L	98
84) 1,2-dibromo-3-chloropr...	14.983	157	14649	20.98 ug/L	91
85) 1,2,4-trichlorobenzene	16.007	180	75005	17.55 ug/L	99
86) hexachlorobutadiene	16.242	225	52813	15.87 ug/L	100
87) naphthalene	16.295	128	126234	18.14 ug/L	99
88) 1,2,3-trichlorobenzene	16.595	180	62666	17.36 ug/L	99
89) 2-methylnaphthalene	17.695	142	29636	16.76 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410976

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410976-MSD1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Acetone	20.7	31.2	40	10	20	36 - 164	ug/kg dry
Benzene	20.7	20.1	97	6	20	77 - 121	ug/kg dry
Bromobenzene	20.7	19.4	94	11	20	78 - 121	ug/kg dry
Bromochloromethane	20.7	20.4	98	6	20	78 - 125	ug/kg dry
Bromodichloromethane	20.7	21.4	103	3	20	75 - 127	ug/kg dry
Bromoform	20.7	22.6	109	6	20	67 - 132	ug/kg dry
Bromomethane	20.7	18.2	88	0.7	20	53 - 143	ug/kg dry
n-Butylbenzene	20.7	18.2	88	6	20	70 - 128	ug/kg dry
sec-Butylbenzene	20.7	18.2	88	7	20	70 - 128	ug/kg dry
tert-Butylbenzene	20.7	17.6	85	9	20	73 - 125	ug/kg dry
Carbon Disulfide	20.7	18.5	89	3	20	63 - 132	ug/kg dry
Carbon Tetrachloride	20.7	21.7	105	8	20	70 - 135	ug/kg dry
Chlorobenzene	20.7	19.6	95	6	20	79 - 120	ug/kg dry
Chloroethane	20.7	19.2	93	6	20	59 - 139	ug/kg dry
Chloroform	20.7	20.0	97	7	20	78 - 123	ug/kg dry
Chloromethane	20.7	18.9	91	3	20	50 - 136	ug/kg dry
2-Chlorotoluene	20.7	18.8	91	7	20	75 - 122	ug/kg dry
4-Chlorotoluene	20.7	18.4	89	5	20	72 - 124	ug/kg dry
1,2-Dibromo-3-chloropropane	20.7	24.9	120	14	20	61 - 132	ug/kg dry
Dibromochloromethane	20.7	22.3	108	6	20	74 - 126	ug/kg dry
1,2-Dibromoethane	20.7	21.3	103	2	20	78 - 122	ug/kg dry
Dibromomethane	20.7	21.8	106	4	20	78 - 125	ug/kg dry
1,2-Dichlorobenzene	20.7	18.9	91	6	20	78 - 121	ug/kg dry
1,3-Dichlorobenzene	20.7	18.5	89	6	20	77 - 121	ug/kg dry
1,4-Dichlorobenzene	20.7	18.7	90	6	20	75 - 120	ug/kg dry
Dichlorodifluoromethane	20.7	20.4	99	9	20	29 - 149	ug/kg dry
1,1-Dichloroethane	20.7	20.1	97	5	20	76 - 125	ug/kg dry
1,2-Dichloroethane	20.7	20.9	101	3	20	73 - 128	ug/kg dry
1,1-Dichloroethene	20.7	20.0	97	6	20	70 - 131	ug/kg dry
cis-1,2-Dichloroethene	20.7	19.4	94	2	20	77 - 123	ug/kg dry
trans-1,2-Dichloroethene	20.7	19.1	92	4	20	74 - 125	ug/kg dry
1,2-Dichloropropane	20.7	20.6	100	4	20	76 - 123	ug/kg dry
1,3-Dichloropropane	20.7	21.3	103	2	20	77 - 121	ug/kg dry
2,2-Dichloropropane	20.7	19.9	96	9	20	67 - 133	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8260C

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410976

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410976-MSD1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

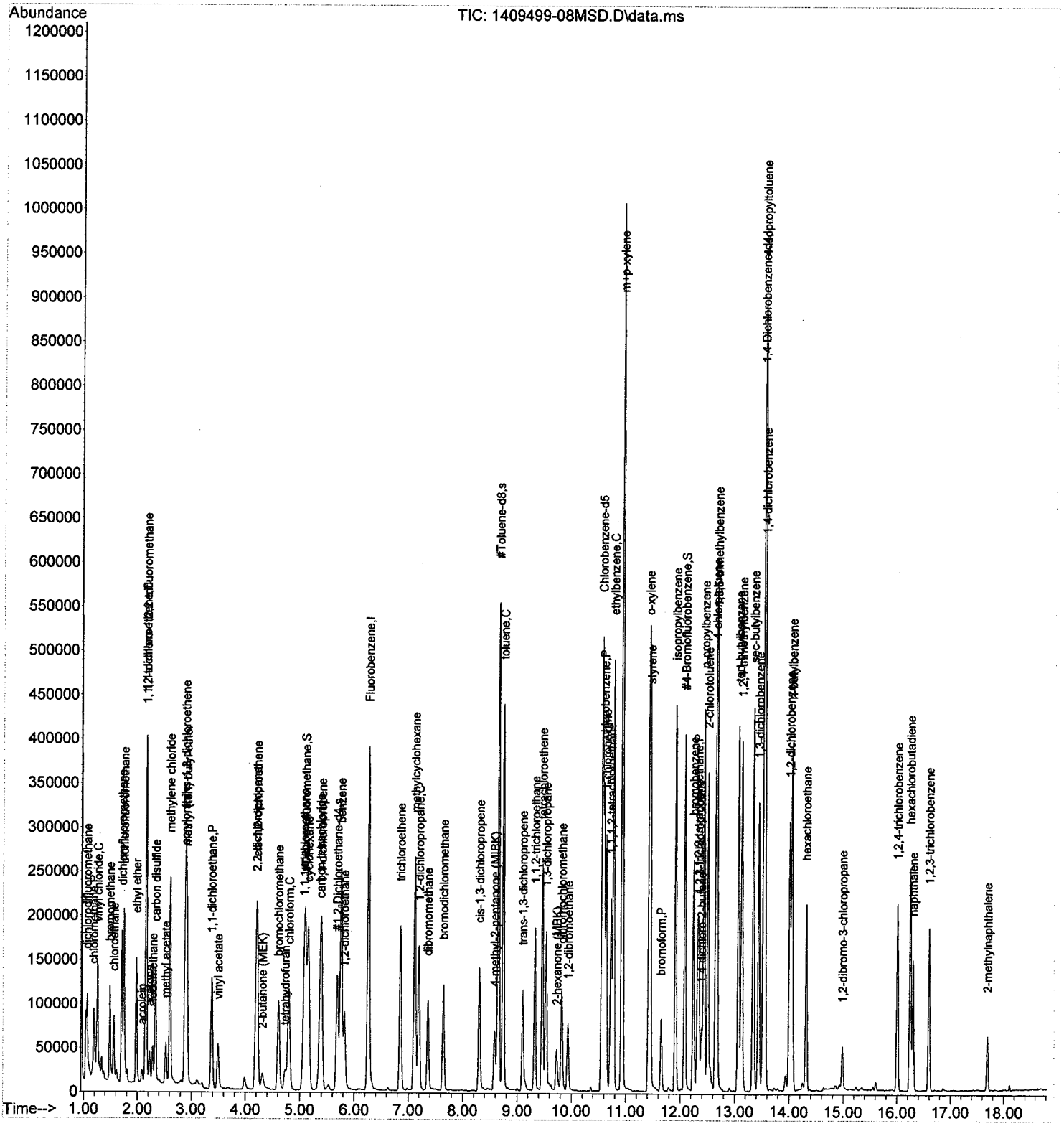
Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,1-Dichloropropene	20.7	19.4	94	5	20	76 - 125	ug/kg dry
cis-1,3-Dichloropropene	20.7	21.1	102	4	20	74 - 126	ug/kg dry
trans-1,3-Dichloropropene	20.7	21.2	102	3	20	71 - 130	ug/kg dry
Ethylbenzene	20.7	21.1	96	2	20	76 - 122	ug/kg dry
Hexachlorobutadiene	20.7	17.4	84	6	20	61 - 135	ug/kg dry
2-Hexanone	20.7	17.3	84	15	20	53 - 145	ug/kg dry
Isopropylbenzene	20.7	18.2	88	8	20	68 - 134	ug/kg dry
4-Isopropyltoluene	20.7	17.9	86	6	20	73 - 127	ug/kg dry
Methylene Chloride	20.7	22.7	104	5	20	70 - 128	ug/kg dry
2-Butanone (MEK)	20.7	18.5	72	9	20	51 - 148	ug/kg dry
4-Methyl-2-pentanone (MIBK)	20.7	19.0	92	10	20	65 - 135	ug/kg dry
Naphthalene	20.7	19.9	96	6	20	62 - 129	ug/kg dry
n-Propylbenzene	20.7	17.7	85	4	20	73 - 125	ug/kg dry
Styrene	20.7	19.8	96	0.6	20	76 - 124	ug/kg dry
1,1,1,2-Tetrachloroethane	20.7	21.5	104	7	20	78 - 125	ug/kg dry
1,1,2,2-Tetrachloroethane	20.7	20.9	101	9	20	70 - 124	ug/kg dry
Tetrachloroethene	20.7	19.1	92	7	20	73 - 128	ug/kg dry
Toluene	20.7	22.4	100	2	20	77 - 121	ug/kg dry
1,2,3-Trichlorobenzene	20.7	19.0	92	6	20	66 - 130	ug/kg dry
1,2,4-Trichlorobenzene	20.7	19.4	94	7	20	67 - 129	ug/kg dry
1,1,1-Trichloroethane	20.7	19.9	96	6	20	73 - 130	ug/kg dry
1,1,2-Trichloroethane	20.7	20.4	99	5	20	78 - 121	ug/kg dry
Trichloroethene	20.7	19.4	94	6	20	77 - 123	ug/kg dry
Trichlorofluoromethane	20.7	19.8	96	7	20	62 - 140	ug/kg dry
1,2,3-Trichloropropane	20.7	22.5	109	15	20	73 - 125	ug/kg dry
1,2,4-Trimethylbenzene	20.7	18.0	87	6	20	75 - 123	ug/kg dry
1,3,5-Trimethylbenzene	20.7	18.3	88	7	20	73 - 124	ug/kg dry
Vinyl Chloride	20.7	19.2	93	1	20	56 - 135	ug/kg dry
Xylene, Meta + Para	41.4	48.2	105	1	20	77 - 124	ug/kg dry
Xylene, Ortho	20.7	22.0	100	2	20	77 - 123	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08MSD.D
Acq On : 09 Oct 2014 09:05
Operator : DLV
Sample : 1409499-08MSD
Misc : AECOM
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 09 09:41:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001755

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08MSD.D
Acq On : 09 Oct 2014 09:05
Operator : DLV
Sample : 1409499-08MSD
Misc : AECOM
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 09 09:41:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	481168	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	333461	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	167324	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	121802	40.78	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.95%		
37) #1,2-Dichloroethane-d4	5.684	67	72655	41.42	ug/L	0.00
Spiked Amount 40.000			Recovery =	103.55%		
46) #Toluene-d8	8.654	98	458977	39.45	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.63%		
64) #4-Bromofluorobenzene	12.083	95	169710	41.12	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.80%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.060	85	87839	19.75	ug/L	95
3) chloromethane	1.184	50	112606	18.26	ug/L	99
4) vinyl chloride	1.260	62	104183	18.58	ug/L	99
5) bromomethane	1.484	94	60898	17.62	ug/L	100
6) chloroethane	1.560	64	58929	18.51	ug/L	96
7) dichlorofluoromethane	1.707	67	158203	19.47	ug/L	100
8) trichlorofluoromethane	1.743	101	128837	19.15	ug/L	99
9) ethyl ether	1.978	74	51355	20.11	ug/L	97
10) acrolein	2.084	56	13640	19.29	ug/L #	94
11) 1,1,2-trichloro-1,2,2-...	2.160	101	76788	18.59	ug/L	97
12) 1,1-dichloroethene	2.154	96	73056	19.34	ug/L	99
13) acetone	2.225	43	45435	30.19	ug/L	91
14) iodomethane	2.284	142	46380	17.05	ug/L	96
15) carbon disulfide	2.337	76	172790	17.90	ug/L	100
16) methyl acetate	2.525	43	64859	19.59	ug/L	98
17) methylene chloride	2.602	49	144276	21.94	ug/L	98
18) acrylonitrile	2.878	53	32726	19.61	ug/L	97
19) trans-1,2-dichloroethene	2.884	96	78592	18.42	ug/L	98
20) methyl (tert) butyl ether	2.913	73	215480	20.64	ug/L	96
21) 1,1-dichloroethane	3.378	63	145918	19.42	ug/L	99
22) vinyl acetate	3.496	43	103264	17.77	ug/L	99
23) 2,2-dichloropropane	4.201	77	85147	19.25	ug/L	98
24) cis-1,2-dichloroethene	4.213	96	84059	18.78	ug/L	99
25) 2-butanone (MEK)	4.313	43	33871	17.92	ug/L	100
26) bromochloromethane	4.607	49	71372	19.68	ug/L	98
27) tetrahydrofuran	4.731	71	9716	18.40	ug/L	90
28) chloroform	4.801	83	140591	19.33	ug/L	99
30) 1,1,1-trichloroethane	5.078	97	107753	19.19	ug/L	98
31) cyclohexane	5.154	56	137933	18.05	ug/L	99
32) carbon tetrachloride	5.378	117	91018	21.01	ug/L	97
33) 1,1-dichloropropene	5.401	75	109865	18.73	ug/L	99
34) benzene	5.754	78	324886	19.43	ug/L	96
35) 1,2-dichloroethane	5.819	62	100578	20.16	ug/L	98
36) heptane	0.000		0	N.D.		
38) trichloroethene	6.854	130	83127	18.72	ug/L	99

091756

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : 1409499-08MSD.D
Acq On : 09 Oct 2014 09:05
Operator : DLV
Sample : 1409499-08MSD
Misc : AECOM
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 09 09:41:14 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	140507	18.09 ug/L	97
40) 1,2-dichloropropane	7.195	63	85284	19.91 ug/L	99
41) dibromomethane	7.360	93	50029	21.11 ug/L	99
42) bromodichloromethane	7.648	83	96569	20.67 ug/L	100
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	8.301	75	106238	20.35 ug/L	97
45) 4-methyl-2-pentanone (...	8.584	43	67408	18.33 ug/L	99
47) toluene	8.742	91	389909	21.64 ug/L	100
48) trans-1,3-dichloropropene	9.101	75	80600	20.49 ug/L	99
49) 1,1,2-trichloroethane	9.331	83	61285	19.72 ug/L	100
51) tetrachloroethene	9.466	166	89811	18.43 ug/L	99
52) 1,3-dichloropropane	9.536	76	127297	20.58 ug/L	99
53) 2-hexanone (MBK)	9.731	43	44615	16.72 ug/L	95
54) dibromochloromethane	9.825	129	69934	21.60 ug/L	100
55) 1,2-dibromoethane	9.936	109	61883	20.56 ug/L #	100
56) chlorobenzene	10.595	112	212341	18.92 ug/L	99
57) 1-chlorohexane	10.636	55	75859	16.77 ug/L #	92
58) 1,1,1,2-tetrachloroethane	10.725	131	69002	20.80 ug/L	97
59) ethylbenzene	10.772	91	409241	20.39 ug/L	99
60) m+p-xylene	10.930	106	344428	46.61 ug/L	98
61) o-xylene	11.425	106	148519	21.22 ug/L	96
62) styrene	11.454	104	224884	19.15 ug/L	98
63) bromoform	11.648	173	45924	21.86 ug/L	97
66) isopropylbenzene	11.913	105	340479	17.58 ug/L	100
67) bromobenzene	12.242	77	142500	18.71 ug/L	97
68) 1,1,2,2-tetrachloroethane	12.319	83	101045	20.19 ug/L #	98
69) 1,2,3-trichloropropane	12.342	110	28877	21.75 ug/L	94
70) 1,4-dichloro-2-butene	12.389	53	22842	20.71 ug/L	94
71) n-propylbenzene	12.436	120	89010	17.10 ug/L	95
72) 2-chlorotoluene	12.507	126	82870	18.15 ug/L	100
73) 1,3,5-trimethylbenzene	12.672	105	294693	17.68 ug/L	99
74) 4-chlorotoluene	12.648	91	281042	17.81 ug/L	99
75) tert-butylbenzene	13.066	119	243115	16.99 ug/L	99
76) 1,2,4-trimethylbenzene	13.124	105	281830	17.44 ug/L	99
77) sec-butylbenzene	13.342	105	373766	17.58 ug/L	99
78) 1,3-dichlorobenzene	13.436	146	162995	17.89 ug/L	99
79) 4-isopropyltoluene	13.536	119	305825	17.29 ug/L	99
80) 1,4-dichlorobenzene	13.554	146	165048	18.10 ug/L	99
81) 1,2-dichlorobenzene	14.007	146	152013	18.26 ug/L	99
82) n-butylbenzene	14.048	91	292136	17.61 ug/L	99
83) hexachloroethane	14.313	201	34798	18.02 ug/L	97
84) 1,2-dibromo-3-chloropr...	14.983	157	17267	24.07 ug/L	98
85) 1,2,4-trichlorobenzene	16.007	180	83259	18.79 ug/L	96
86) hexachlorobutadiene	16.242	225	57423	16.80 ug/L	99
87) naphthalene	16.295	128	139293	19.28 ug/L	99
88) 1,2,3-trichlorobenzene	16.595	180	68832	18.40 ug/L	100
89) 2-methylnaphthalene	17.695	142	33067	18.05 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001757

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410493-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1410493
Sequence: 4J01003

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	20.0	11.2	56	36 - 164	ug/kg wet
Benzene	20.0	18.2	91	77 - 121	ug/kg wet
Bromobenzene	20.0	18.2	91	78 - 121	ug/kg wet
Bromochloromethane	20.0	19.0	95	78 - 125	ug/kg wet
Bromodichloromethane	20.0	19.4	97	75 - 127	ug/kg wet
Bromoform	20.0	18.0	90	67 - 132	ug/kg wet
Bromomethane	20.0	16.3	82	53 - 143	ug/kg wet
n-Butylbenzene	20.0	19.4	97	70 - 128	ug/kg wet
sec-Butylbenzene	20.0	19.3	97	70 - 128	ug/kg wet
tert-Butylbenzene	20.0	18.9	94	73 - 125	ug/kg wet
Carbon Disulfide	20.0	17.9	90	63 - 132	ug/kg wet
Carbon Tetrachloride	20.0	20.6	103	70 - 135	ug/kg wet
Chlorobenzene	20.0	17.8	89	79 - 120	ug/kg wet
Chloroethane	20.0	17.9	90	59 - 139	ug/kg wet
Chloroform	20.0	19.7	99	78 - 123	ug/kg wet
Chloromethane	20.0	18.4	92	50 - 136	ug/kg wet
2-Chlorotoluene	20.0	19.2	96	75 - 122	ug/kg wet
4-Chlorotoluene	20.0	18.8	94	72 - 124	ug/kg wet
1,2-Dibromo-3-chloropropane	20.0	18.5	93	61 - 132	ug/kg wet
Dibromochloromethane	20.0	19.7	98	74 - 126	ug/kg wet
1,2-Dibromoethane	20.0	18.7	94	78 - 122	ug/kg wet
Dibromomethane	20.0	18.7	94	78 - 125	ug/kg wet
1,2-Dichlorobenzene	20.0	18.4	92	78 - 121	ug/kg wet
1,3-Dichlorobenzene	20.0	18.7	93	77 - 121	ug/kg wet
1,4-Dichlorobenzene	20.0	18.7	93	75 - 120	ug/kg wet
Dichlorodifluoromethane	20.0	17.6	88	29 - 149	ug/kg wet
1,1-Dichloroethane	20.0	18.5	93	76 - 125	ug/kg wet
1,2-Dichloroethane	20.0	18.7	94	73 - 128	ug/kg wet
1,1-Dichloroethene	20.0	19.1	96	70 - 131	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410493-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1410493
Sequence: 4J01003

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	20.0	19.4	97	77 - 123	ug/kg wet
trans-1,2-Dichloroethene	20.0	18.1	90	74 - 125	ug/kg wet
1,2-Dichloropropane	20.0	19.2	96	76 - 123	ug/kg wet
1,3-Dichloropropane	20.0	19.3	97	77 - 121	ug/kg wet
2,2-Dichloropropane	20.0	19.4	97	67 - 133	ug/kg wet
1,1-Dichloropropene	20.0	18.6	93	76 - 125	ug/kg wet
cis-1,3-Dichloropropene	20.0	18.4	92	74 - 126	ug/kg wet
trans-1,3-Dichloropropene	20.0	17.4	87	71 - 130	ug/kg wet
Ethylbenzene	20.0	18.8	94	76 - 122	ug/kg wet
Hexachlorobutadiene	20.0	19.4	97	61 - 135	ug/kg wet
2-Hexanone	20.0	17.2	86	53 - 145	ug/kg wet
Isopropylbenzene	20.0	18.9	94	68 - 134	ug/kg wet
4-Isopropyltoluene	20.0	19.0	95	73 - 127	ug/kg wet
Methylene Chloride	20.0	20.9	105	70 - 128	ug/kg wet
2-Butanone (MEK)	20.0	15.9	80	51 - 148	ug/kg wet
4-Methyl-2-pentanone (MIBK)	20.0	17.7	89	65 - 135	ug/kg wet
Naphthalene	20.0	16.0	80	62 - 129	ug/kg wet
n-Propylbenzene	20.0	19.0	95	73 - 125	ug/kg wet
Styrene	20.0	18.6	93	76 - 124	ug/kg wet
1,1,1,2-Tetrachloroethane	20.0	18.4	92	78 - 125	ug/kg wet
1,1,2,2-Tetrachloroethane	20.0	19.0	95	70 - 124	ug/kg wet
Tetrachloroethene	20.0	19.0	95	73 - 128	ug/kg wet
Toluene	20.0	18.6	93	77 - 121	ug/kg wet
1,2,3-Trichlorobenzene	20.0	17.7	88	66 - 130	ug/kg wet
1,2,4-Trichlorobenzene	20.0	18.0	90	67 - 129	ug/kg wet
1,1,1-Trichloroethane	20.0	19.2	96	73 - 130	ug/kg wet
1,1,2-Trichloroethane	20.0	19.4	97	78 - 121	ug/kg wet
Trichloroethene	20.0	19.2	96	77 - 123	ug/kg wet
Trichlorofluoromethane	20.0	19.4	97	62 - 140	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410493-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1410493
Sequence: 4J01003

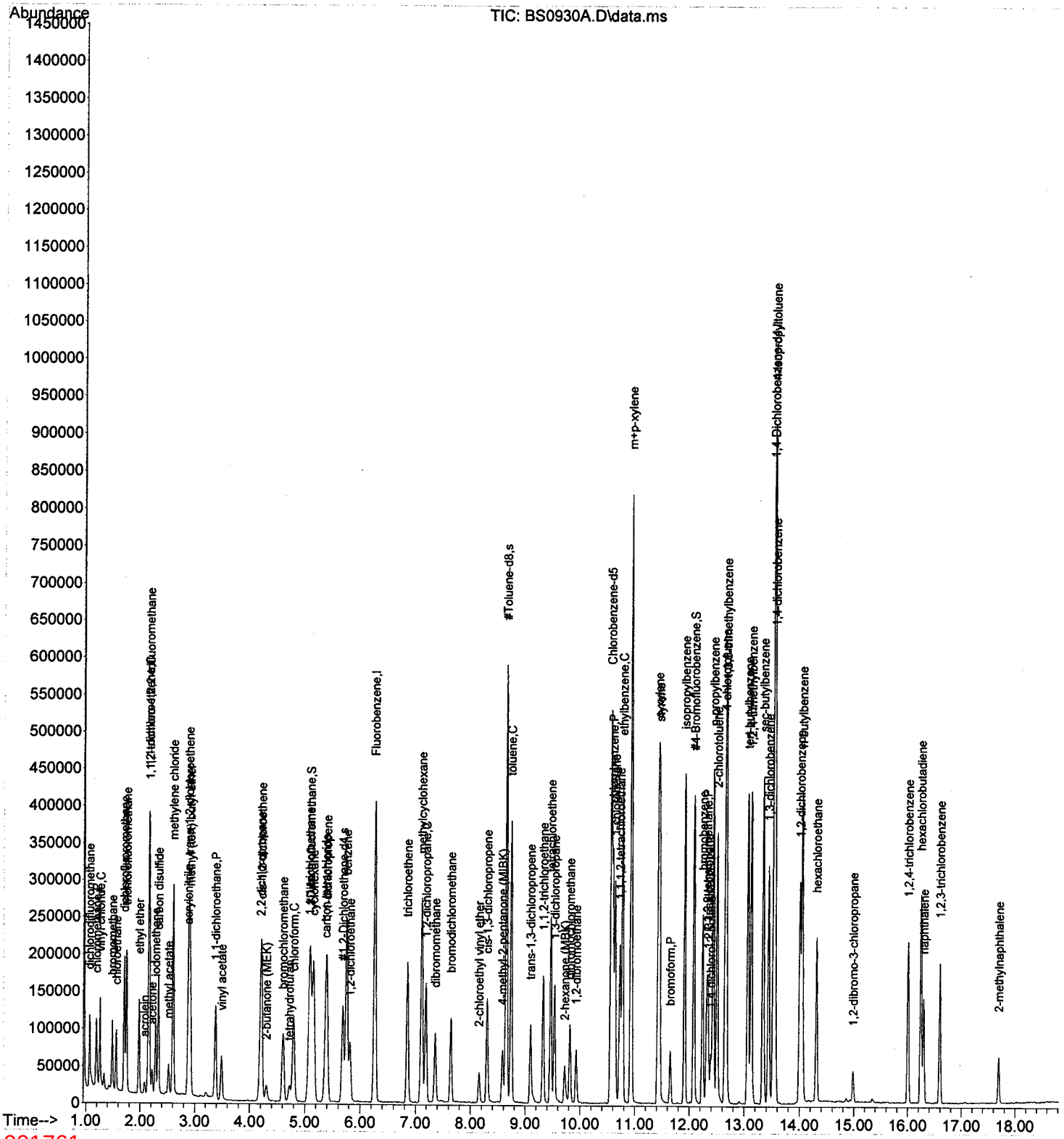
Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2,3-Trichloropropane	20.0	18.8	94	73 - 125	ug/kg wet
1,2,4-Trimethylbenzene	20.0	18.6	93	75 - 123	ug/kg wet
1,3,5-Trimethylbenzene	20.0	19.5	97	73 - 124	ug/kg wet
Vinyl Chloride	20.0	18.4	92	56 - 135	ug/kg wet
Xylene, Meta + Para	40.0	36.8	92	77 - 124	ug/kg wet
Xylene, Ortho	20.0	18.7	94	77 - 123	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : BS0930A.D
Acq On : 30 Sep 2014 15:00
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 01 07:19:13 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : BS0930A.D
Acq On : 30 Sep 2014 15:00
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 01 07:19:13 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.260	96	496177	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	341195	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	168913	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.095	111	124537	39.91	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.77%		
37) #1,2-Dichloroethane-d4	5.684	67	69558	39.08	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.70%		
46) #Toluene-d8	8.648	98	477468	39.63	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.08%		
64) #4-Bromofluorobenzene	12.083	95	171667	40.13	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.33%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.060	85	85237	17.57	ug/L	99
3) chloromethane	1.190	50	108228	18.39	ug/L	99
4) vinyl chloride	1.260	62	101526	18.44	ug/L	97
5) bromomethane	1.484	94	48042	16.33	ug/L	98
6) chloroethane	1.560	64	59308	17.91	ug/L	97
7) dichlorofluoromethane	1.701	67	154141	18.31	ug/L	100
8) trichlorofluoromethane	1.743	101	128089	19.41	ug/L	99
9) ethyl ether	1.978	74	47668	19.09	ug/L	96
10) acrolein	2.078	56	13510	19.16	ug/L #	95
11) 1,1,2-trichloro-1,2,2-...	2.160	101	79798	18.97	ug/L	98
12) 1,1-dichloroethene	2.154	96	69921	19.14	ug/L	95
13) acetone	2.213	43	37856	11.18	ug/L	97
14) iodomethane	2.278	142	98108	22.64	ug/L	100
15) carbon disulfide	2.331	76	204695	17.93	ug/L	99
16) methyl acetate	2.519	43	52474	15.92	ug/L	94
17) methylene chloride	2.601	49	166107	20.94	ug/L	100
18) acrylonitrile	2.872	53	29221	17.55	ug/L	95
19) trans-1,2-dichloroethene	2.884	96	76756	18.09	ug/L	96
20) methyl (tert) butyl ether	2.907	73	200621	18.85	ug/L	99
21) 1,1-dichloroethane	3.378	63	142345	18.53	ug/L	99
22) vinyl acetate	3.490	43	111069	17.98	ug/L	98
23) 2,2-dichloropropane	4.195	77	88095	19.43	ug/L	100
24) cis-1,2-dichloroethene	4.213	96	82660	19.37	ug/L	100
25) 2-butanone (MEK)	4.301	43	37736	15.90	ug/L	99
26) bromochloromethane	4.601	49	64765	19.04	ug/L	98
27) tetrahydrofuran	4.719	71	9253	17.92	ug/L	96
28) chloroform	4.795	83	137452	19.73	ug/L	99
30) 1,1,1-trichloroethane	5.078	97	106987	19.21	ug/L	99
31) cyclohexane	5.148	56	144052	19.25	ug/L	97
32) carbon tetrachloride	5.372	117	88559	20.55	ug/L	98
33) 1,1-dichloropropene	5.395	75	107476	18.65	ug/L	99
34) benzene	5.754	78	315158	18.17	ug/L	96
35) 1,2-dichloroethane	5.813	62	91532	18.74	ug/L	98
36) heptane	0.000		0	N.D.		
38) trichloroethene	6.848	130	82914	19.20	ug/L	98

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\093014\
Data File : BS0930A.D
Acq On : 30 Sep 2014 15:00
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 01 07:19:13 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.113	83	145702	18.62	ug/L		99
40) 1,2-dichloropropane	7.189	63	81591	19.22	ug/L		100
41) dibromomethane	7.360	93	43971	18.73	ug/L		98
42) bromodichloromethane	7.642	83	90645	19.42	ug/L		100
43) 2-chloroethyl vinyl ether	8.154	63	23564	15.55	ug/L		99
44) cis-1,3-dichloropropene	8.301	75	103781	18.42	ug/L		97
45) 4-methyl-2-pentanone (...	8.578	43	67473	17.74	ug/L		99
47) toluene	8.736	91	338915	18.58	ug/L		100
48) trans-1,3-dichloropropene	9.095	75	75076	17.37	ug/L		97
49) 1,1,2-trichloroethane	9.325	83	56191	19.40	ug/L		97
51) tetrachloroethene	9.466	166	88164	18.95	ug/L		100
52) 1,3-dichloropropane	9.536	76	115044	19.33	ug/L		99
53) 2-hexanone (MBK)	9.725	43	49099	17.24	ug/L		98
54) dibromochloromethane	9.819	129	63966	19.66	ug/L		100
55) 1,2-dibromoethane	9.930	109	55396	18.73	ug/L	#	100
56) chlorobenzene	10.595	112	207103	17.82	ug/L		100
57) 1-chlorohexane	10.636	55	81028	18.11	ug/L		99
58) 1,1,1,2-tetrachloroethane	10.725	131	63153	18.36	ug/L		96
59) ethylbenzene	10.772	91	371902	18.76	ug/L		100
60) m+p-xylene	10.930	106	272959	36.77	ug/L		99
61) o-xylene	11.424	106	132190	18.74	ug/L		99
62) styrene	11.448	104	225045	18.63	ug/L		98
63) bromoform	11.648	173	39906	17.97	ug/L		95
66) isopropylbenzene	11.913	105	349440	18.90	ug/L		100
67) bromobenzene	12.242	77	139412	18.16	ug/L		98
68) 1,1,2,2-tetrachloroethane	12.319	83	88503	18.97	ug/L	#	99
69) 1,2,3-trichloropropane	12.342	110	23496	18.83	ug/L		99
70) 1,4-dichloro-2-butene	12.389	53	22291	19.31	ug/L		92
71) n-propylbenzene	12.430	120	96440	18.98	ug/L		98
72) 2-chlorotoluene	12.507	126	85347	19.23	ug/L		97
73) 1,3,5-trimethylbenzene	12.671	105	307755	19.48	ug/L		99
74) 4-chlorotoluene	12.648	91	292951	18.77	ug/L		99
75) tert-butylbenzene	13.066	119	252679	18.87	ug/L		100
76) 1,2,4-trimethylbenzene	13.124	105	294712	18.60	ug/L		99
77) sec-butylbenzene	13.342	105	394859	19.34	ug/L		100
78) 1,3-dichlorobenzene	13.436	146	164997	18.66	ug/L		99
79) 4-isopropyltoluene	13.536	119	325319	18.96	ug/L		99
80) 1,4-dichlorobenzene	13.554	146	167352	18.68	ug/L		99
81) 1,2-dichlorobenzene	14.007	146	152853	18.38	ug/L		99
82) n-butylbenzene	14.048	91	317063	19.38	ug/L		99
83) hexachloroethane	14.313	201	36186	19.74	ug/L		97
84) 1,2-dibromo-3-chloropr...	14.983	157	14581	18.52	ug/L		96
85) 1,2,4-trichlorobenzene	16.007	180	82551	17.95	ug/L		99
86) hexachlorobutadiene	16.242	225	65310	19.38	ug/L		99
87) naphthalene	16.295	128	131563	16.01	ug/L		99
88) 1,2,3-trichlorobenzene	16.595	180	70092	17.67	ug/L		97
89) 2-methylnaphthalene	17.695	142	33888	18.35	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LCS / LCS DUPLICATE RECOVERY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410523-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1410523
Sequence: 4J01040

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	20.0	11.9	60	36 - 164	ug/kg wet
Benzene	20.0	19.0	95	77 - 121	ug/kg wet
Bromobenzene	20.0	18.4	92	78 - 121	ug/kg wet
Bromochloromethane	20.0	20.7	104	78 - 125	ug/kg wet
Bromodichloromethane	20.0	20.5	103	75 - 127	ug/kg wet
Bromoform	20.0	19.3	96	67 - 132	ug/kg wet
Bromomethane	20.0	19.0	95	53 - 143	ug/kg wet
n-Butylbenzene	20.0	20.4	102	70 - 128	ug/kg wet
sec-Butylbenzene	20.0	19.8	99	70 - 128	ug/kg wet
tert-Butylbenzene	20.0	19.3	96	73 - 125	ug/kg wet
Carbon Disulfide	20.0	18.4	92	63 - 132	ug/kg wet
Carbon Tetrachloride	20.0	21.7	109	70 - 135	ug/kg wet
Chlorobenzene	20.0	18.4	92	79 - 120	ug/kg wet
Chloroethane	20.0	19.8	99	59 - 139	ug/kg wet
Chloroform	20.0	20.4	102	78 - 123	ug/kg wet
Chloromethane	20.0	19.2	96	50 - 136	ug/kg wet
2-Chlorotoluene	20.0	18.8	94	75 - 122	ug/kg wet
4-Chlorotoluene	20.0	18.9	95	72 - 124	ug/kg wet
1,2-Dibromo-3-chloropropane	20.0	19.2	96	61 - 132	ug/kg wet
Dibromochloromethane	20.0	19.4	97	74 - 126	ug/kg wet
1,2-Dibromoethane	20.0	19.6	98	78 - 122	ug/kg wet
Dibromomethane	20.0	19.6	98	78 - 125	ug/kg wet
1,2-Dichlorobenzene	20.0	17.9	89	78 - 121	ug/kg wet
1,3-Dichlorobenzene	20.0	18.6	93	77 - 121	ug/kg wet
1,4-Dichlorobenzene	20.0	18.7	93	75 - 120	ug/kg wet
Dichlorodifluoromethane	20.0	18.5	93	29 - 149	ug/kg wet
1,1-Dichloroethane	20.0	18.8	94	76 - 125	ug/kg wet
1,2-Dichloroethane	20.0	20.3	101	73 - 128	ug/kg wet
1,1-Dichloroethene	20.0	20.9	104	70 - 131	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410523-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1410523
Sequence: 4J01040

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	20.0	20.0	100	77 - 123	ug/kg wet
trans-1,2-Dichloroethene	20.0	19.2	96	74 - 125	ug/kg wet
1,2-Dichloropropane	20.0	20.3	102	76 - 123	ug/kg wet
1,3-Dichloropropane	20.0	20.0	100	77 - 121	ug/kg wet
2,2-Dichloropropane	20.0	20.5	102	67 - 133	ug/kg wet
1,1-Dichloropropene	20.0	20.2	101	76 - 125	ug/kg wet
cis-1,3-Dichloropropene	20.0	18.3	91	74 - 126	ug/kg wet
trans-1,3-Dichloropropene	20.0	18.2	91	71 - 130	ug/kg wet
Ethylbenzene	20.0	19.3	96	76 - 122	ug/kg wet
Hexachlorobutadiene	20.0	19.8	99	61 - 135	ug/kg wet
2-Hexanone	20.0	19.2	96	53 - 145	ug/kg wet
Isopropylbenzene	20.0	19.4	97	68 - 134	ug/kg wet
4-Isopropyltoluene	20.0	19.7	98	73 - 127	ug/kg wet
Methylene Chloride	20.0	28.4	142 *	70 - 128	ug/kg wet
2-Butanone (MEK)	20.0	15.2	76	51 - 148	ug/kg wet
4-Methyl-2-pentanone (MIBK)	20.0	19.7	99	65 - 135	ug/kg wet
Naphthalene	20.0	17.0	85	62 - 129	ug/kg wet
n-Propylbenzene	20.0	19.3	97	73 - 125	ug/kg wet
Styrene	20.0	18.8	94	76 - 124	ug/kg wet
1,1,1,2-Tetrachloroethane	20.0	18.9	94	78 - 125	ug/kg wet
1,1,2,2-Tetrachloroethane	20.0	20.1	101	70 - 124	ug/kg wet
Tetrachloroethene	20.0	20.4	102	73 - 128	ug/kg wet
Toluene	20.0	19.2	96	77 - 121	ug/kg wet
1,2,3-Trichlorobenzene	20.0	18.3	91	66 - 130	ug/kg wet
1,2,4-Trichlorobenzene	20.0	18.9	94	67 - 129	ug/kg wet
1,1,1-Trichloroethane	20.0	19.6	98	73 - 130	ug/kg wet
1,1,2-Trichloroethane	20.0	19.8	99	78 - 121	ug/kg wet
Trichloroethene	20.0	19.5	97	77 - 123	ug/kg wet
Trichlorofluoromethane	20.0	21.4	107	62 - 140	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410523-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL
Sequence: 4J01040

QC Batch: 1410523

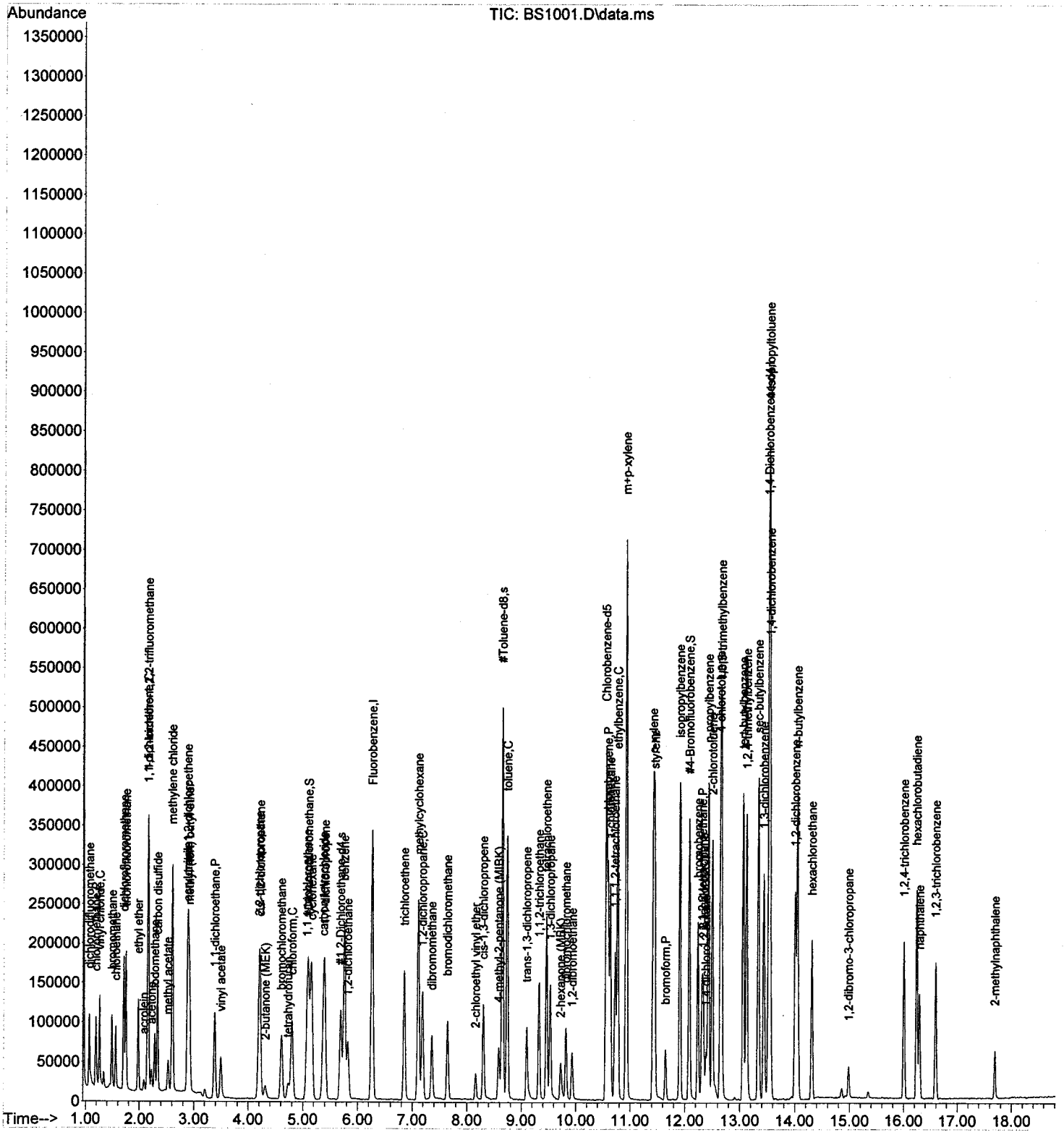
Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2,3-Trichloropropane	20.0	19.3	96	73 - 125	ug/kg wet
1,2,4-Trimethylbenzene	20.0	18.8	94	75 - 123	ug/kg wet
1,3,5-Trimethylbenzene	20.0	19.8	99	73 - 124	ug/kg wet
Vinyl Chloride	20.0	20.0	100	56 - 135	ug/kg wet
Xylene, Meta + Para	40.0	38.2	96	77 - 124	ug/kg wet
Xylene, Ortho	20.0	19.0	95	77 - 123	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : BS1001.D
Acq On : 01 Oct 2014 09:39
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 01 12:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration



001767

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : BS1001.D
Acq On : 01 Oct 2014 09:39
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 01 12:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	420744	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	291834	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.525	152	148550	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	107884	40.77	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.93%		
37) #1,2-Dichloroethane-d4	5.684	67	61788	40.94	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.35%		
46) #Toluene-d8	8.648	98	411597	40.29	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.72%		
64) #4-Bromofluorobenzene	12.083	95	149362	40.83	ug/L	0.00
Spiked Amount 40.000			Recovery =	102.08%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	76227	18.53	ug/L	100
3) chloromethane	1.190	50	95607	19.16	ug/L	100
4) vinyl chloride	1.260	62	93640	20.05	ug/L	98
5) bromomethane	1.490	94	47298	18.96	ug/L	100
6) chloroethane	1.560	64	55540	19.77	ug/L	99
7) dichlorofluoromethane	1.707	67	137406	19.24	ug/L	100
8) trichlorofluoromethane	1.749	101	119655	21.36	ug/L	99
9) ethyl ether	1.978	74	41187	19.45	ug/L	96
10) acrolein	2.084	56	11572	19.35	ug/L #	94
11) 1,1,2-trichloro-1,2,2-...	2.160	101	71400	20.01	ug/L	99
12) 1,1-dichloroethene	2.155	96	64611	20.86	ug/L	94
13) acetone	2.225	43	32875	11.91	ug/L	98
14) iodomethane	2.284	142	71975	19.59	ug/L	99
15) carbon disulfide	2.337	76	177756	18.37	ug/L	99
16) methyl acetate	2.525	43	55068	19.70	ug/L	99
17) methylene chloride	2.602	49	175328	28.36	ug/L	98
18) acrylonitrile	2.878	53	28002	19.84	ug/L	93
19) trans-1,2-dichloroethene	2.884	96	69150	19.22	ug/L	98
20) methyl (tert) butyl ether	2.913	73	176550	19.56	ug/L	99
21) 1,1-dichloroethane	3.384	63	122651	18.83	ug/L	99
22) vinyl acetate	3.496	43	102537	19.57	ug/L	100
23) 2,2-dichloropropane	4.201	77	78644	20.46	ug/L	100
24) cis-1,2-dichloroethene	4.219	96	72538	20.01	ug/L	99
25) 2-butanone (MEK)	4.313	43	30922	15.25	ug/L	95
26) bromochloromethane	4.607	49	59899	20.72	ug/L	97
27) tetrahydrofuran	4.731	71	9462	21.61	ug/L	94
28) chloroform	4.801	83	120417	20.37	ug/L	99
30) 1,1,1-trichloroethane	5.078	97	92728	19.64	ug/L	97
31) cyclohexane	5.160	56	130646	20.58	ug/L	98
32) carbon tetrachloride	5.378	117	79363	21.72	ug/L	98
33) 1,1-dichloropropene	5.401	75	98781	20.21	ug/L	98
34) benzene	5.754	78	279204	18.99	ug/L	99
35) 1,2-dichloroethane	5.819	62	84083	20.27	ug/L	98
36) heptane	0.000		0	N.D.		
38) trichloroethene	6.854	130	71322	19.48	ug/L	98

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100114\
Data File : BS1001.D
Acq On : 01 Oct 2014 09:39
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 01 12:04:21 2014
Quant Method : C:\gcms\1\methods\8260S-16C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 01 07:17:35 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	133069	20.05	ug/L		99
40)	1,2-dichloropropane	7.190	63	73243	20.33	ug/L		99
41)	dibromomethane	7.360	93	39086	19.61	ug/L		99
42)	bromodichloromethane	7.642	83	81518	20.51	ug/L		98
43)	2-chloroethyl vinyl ether	8.160	63	19897	15.49	ug/L		99
44)	cis-1,3-dichloropropene	8.301	75	87375	18.28	ug/L		97
45)	4-methyl-2-pentanone (...	8.584	43	63598	19.72	ug/L		98
47)	toluene	8.742	91	297040	19.20	ug/L		99
48)	trans-1,3-dichloropropene	9.101	75	66561	18.16	ug/L		99
49)	1,1,2-trichloroethane	9.331	83	48742	19.82	ug/L		97
51)	tetrachloroethene	9.466	166	81073	20.37	ug/L		96
52)	1,3-dichloropropane	9.536	76	101925	19.99	ug/L		97
53)	2-hexanone (MBK)	9.725	43	46742	19.19	ug/L		97
54)	dibromochloromethane	9.825	129	53785	19.37	ug/L		96
55)	1,2-dibromoethane	9.936	109	49823	19.60	ug/L	#	100
56)	chlorobenzene	10.595	112	182318	18.35	ug/L		99
57)	1-chlorohexane	10.636	55	75136	19.64	ug/L		97
58)	1,1,1,2-tetrachloroethane	10.725	131	55587	18.90	ug/L		100
59)	ethylbenzene	10.772	91	326703	19.27	ug/L		100
60)	m+p-xylene	10.931	106	242790	38.24	ug/L		97
61)	o-xylene	11.425	106	114933	19.05	ug/L		100
62)	styrene	11.454	104	194147	18.79	ug/L		98
63)	bromoform	11.654	173	36606	19.27	ug/L		96
66)	isopropylbenzene	11.913	105	315131	19.38	ug/L		99
67)	bromobenzene	12.242	77	124249	18.40	ug/L		98
68)	1,1,2,2-tetrachloroethane	12.319	83	82774	20.13	ug/L	#	99
69)	1,2,3-trichloropropane	12.342	110	21179	19.27	ug/L		100
70)	1,4-dichloro-2-butene	12.389	53	19845	19.52	ug/L		96
71)	n-propylbenzene	12.436	120	86423	19.34	ug/L		98
72)	2-chlorotoluene	12.507	126	73576	18.85	ug/L		99
73)	1,3,5-trimethylbenzene	12.672	105	275456	19.82	ug/L		100
74)	4-chlorotoluene	12.648	91	259588	18.91	ug/L		100
75)	tert-butylbenzene	13.066	119	227298	19.30	ug/L		98
76)	1,2,4-trimethylbenzene	13.130	105	262541	18.84	ug/L		99
77)	sec-butylbenzene	13.342	105	355920	19.82	ug/L		100
78)	1,3-dichlorobenzene	13.436	146	144320	18.56	ug/L		99
79)	4-isopropyltoluene	13.536	119	297270	19.70	ug/L		99
80)	1,4-dichlorobenzene	13.554	146	147038	18.66	ug/L		99
81)	1,2-dichlorobenzene	14.007	146	130664	17.87	ug/L		98
82)	n-butylbenzene	14.048	91	293293	20.39	ug/L		100
83)	hexachloroethane	14.313	201	32923	20.42	ug/L		98
84)	1,2-dibromo-3-chloropr...	14.983	157	13313	19.23	ug/L		97
85)	1,2,4-trichlorobenzene	16.007	180	76348	18.87	ug/L		98
86)	hexachlorobutadiene	16.242	225	58598	19.77	ug/L		96
87)	naphthalene	16.295	128	124747	16.98	ug/L		100
88)	1,2,3-trichlorobenzene	16.595	180	63712	18.27	ug/L		98
89)	2-methylnaphthalene	17.695	142	31214	19.11	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410719-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1410719
Sequence: 4J04001

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	40.0	41.9	105	39 - 160	ug/L
Benzene	40.0	38.8	97	79 - 120	ug/L
Bromobenzene	40.0	36.8	92	80 - 120	ug/L
Bromochloromethane	40.0	37.9	95	78 - 123	ug/L
Bromodichloromethane	40.0	38.4	96	78 - 123	ug/L
Bromoform	40.0	39.6	99	66 - 130	ug/L
Bromomethane	40.0	35.5	89	53 - 141	ug/L
n-Butylbenzene	40.0	36.1	90	75 - 128	ug/L
sec-Butylbenzene	40.0	39.4	99	77 - 126	ug/L
tert-Butylbenzene	40.0	39.0	97	78 - 124	ug/L
Carbon Disulfide	40.0	42.6	106	64 - 133	ug/L
Carbon Tetrachloride	40.0	38.1	95	72 - 136	ug/L
Chlorobenzene	40.0	38.9	97	82 - 118	ug/L
Chloroethane	40.0	37.4	93	60 - 138	ug/L
Chloroform	40.0	38.1	95	79 - 124	ug/L
Chloromethane	40.0	36.6	92	50 - 139	ug/L
2-Chlorotoluene	40.0	36.3	91	79 - 122	ug/L
4-Chlorotoluene	40.0	37.2	93	78 - 122	ug/L
1,2-Dibromo-3-chloropropane	40.0	42.0	105	62 - 126	ug/L
Dibromochloromethane	40.0	37.9	95	74 - 126	ug/L
1,2-Dibromoethane	40.0	40.4	101	77 - 121	ug/L
Dibromomethane	40.0	38.4	96	79 - 123	ug/L
1,2-Dichlorobenzene	40.0	38.7	97	80 - 119	ug/L
1,3-Dichlorobenzene	40.0	38.6	96	80 - 119	ug/L
1,4-Dichlorobenzene	40.0	38.1	95	79 - 118	ug/L
Dichlorodifluoromethane	40.0	37.9	95	32 - 152	ug/L
1,1-Dichloroethane	40.0	38.4	96	77 - 125	ug/L
1,2-Dichloroethane	40.0	38.1	95	77 - 121	ug/L
1,1-Dichloroethene	40.0	39.4	99	71 - 131	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410719-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1410719
Sequence: 4J04001

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	40.0	37.6	94	78 - 123	ug/L
trans-1,2-Dichloroethene	40.0	38.6	96	75 - 124	ug/L
1,2-Dichloropropane	40.0	38.7	97	78 - 122	ug/L
1,3-Dichloropropane	40.0	39.8	99	80 - 119	ug/L
2,2-Dichloropropane	40.0	34.3	86	60 - 139	ug/L
1,1-Dichloropropene	40.0	39.3	98	79 - 125	ug/L
cis-1,3-Dichloropropene	40.0	38.5	96	75 - 124	ug/L
trans-1,3-Dichloropropene	40.0	38.6	96	73 - 127	ug/L
Ethylbenzene	40.0	39.9	100	79 - 121	ug/L
Hexachlorobutadiene	40.0	38.3	96	66 - 134	ug/L
2-Hexanone	40.0	42.8	107	53 - 141	ug/L
Isopropylbenzene	40.0	37.9	95	72 - 131	ug/L
4-Isopropyltoluene	40.0	40.7	102	77 - 127	ug/L
Methyl tert-Butyl Ether	40.0	38.6	97	71 - 124	ug/L
Methylene Chloride	40.0	39.7	99	74 - 124	ug/L
2-Butanone (MEK)	40.0	43.0	107	56 - 143	ug/L
4-Methyl-2-pentanone (MIBK)	40.0	45.4	113	67 - 130	ug/L
Naphthalene	40.0	35.1	88	61 - 128	ug/L
n-Propylbenzene	40.0	37.0	93	76 - 126	ug/L
Styrene	40.0	40.1	100	78 - 123	ug/L
1,1,1,2-Tetrachloroethane	40.0	39.6	99	78 - 124	ug/L
1,1,2,2-Tetrachloroethane	40.0	40.3	101	71 - 121	ug/L
Tetrachloroethene	40.0	38.5	96	74 - 129	ug/L
Toluene	40.0	38.5	96	80 - 121	ug/L
1,2,3-Trichlorobenzene	40.0	34.5	86	69 - 129	ug/L
1,2,4-Trichlorobenzene	40.0	33.9	85	69 - 130	ug/L
1,1,1-Trichloroethane	40.0	39.0	97	74 - 131	ug/L
1,1,2-Trichloroethane	40.0	37.6	94	80 - 119	ug/L
Trichloroethene	40.0	39.3	98	79 - 123	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410719-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1410719
Sequence: 4J04001

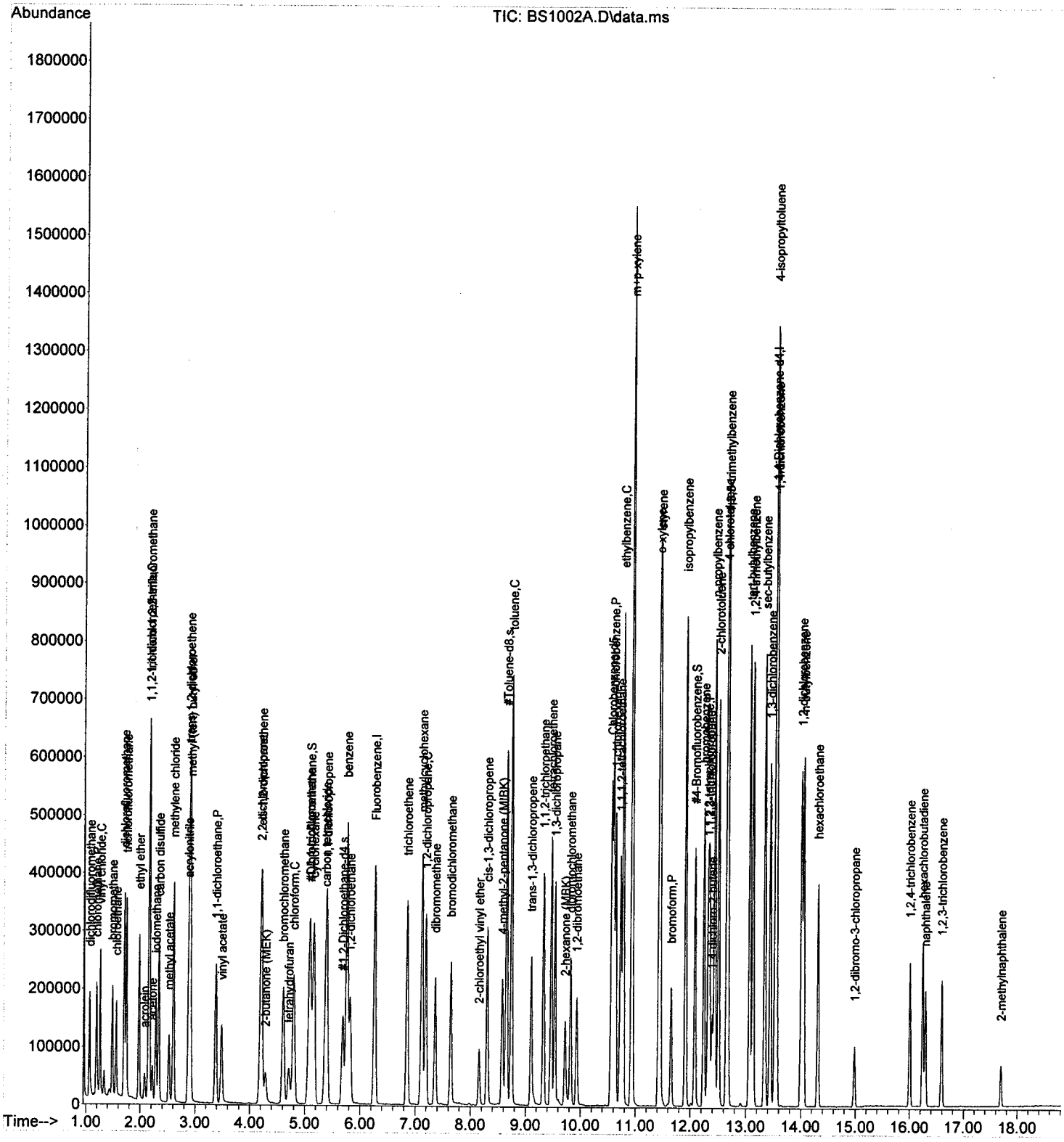
Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Trichlorofluoromethane	40.0	38.8	97	65 - 141	ug/L
1,2,3-Trichloropropane	40.0	42.5	106	73 - 122	ug/L
1,2,4-Trimethylbenzene	40.0	41.1	103	69 - 130	ug/L
1,3,5-Trimethylbenzene	40.0	39.5	99	75 - 124	ug/L
Vinyl Chloride	40.0	39.3	98	58 - 137	ug/L
Xylene, Meta + Para	80.0	79.5	99	80 - 121	ug/L
Xylene, Ortho	40.0	40.1	100	78 - 122	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : BS1002A.D
Acq On : 02 Oct 2014 20:19
Operator : DLV
Sample : BS
Misc :
ALS Vial : 29 Sample Multiplier: 1
Quant Time: Oct 04 11:43:39 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : BS1002A.D
Acq On : 02 Oct 2014 20:19
Operator : DLV
Sample : BS
Misc :
ALS Vial : 29 Sample Multiplier: 1
Quant Time: Oct 04 11:43:39 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	509909	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	354130	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	168158	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.095	111	135994	40.30	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.75%			
37) #1,2-Dichloroethane-d4	5.684	67	84462	40.31	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.78%			
46) #Toluene-d8	8.648	98	492447	39.63	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.08%			
64) #4-Bromofluorobenzene	12.083	95	177664	40.26	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.65%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	145394	37.90	ug/L	100
3) chloromethane	1.190	50	207739	36.62	ug/L	98
4) vinyl chloride	1.260	62	199017	39.29	ug/L	98
5) bromomethane	1.484	94	101016	35.53	ug/L	96
6) chloroethane	1.560	64	116679	37.37	ug/L	99
7) dichlorofluoromethane	1.701	67	291344	37.99	ug/L	99
8) trichlorofluoromethane	1.743	101	233984	38.81	ug/L	99
9) ethyl ether	1.978	74	100792	37.55	ug/L	98
10) acrolein	2.078	56	37500	38.89	ug/L	95
11) 1,1,2-trichloro-1,2,2-...	2.160	101	128316	37.64	ug/L	100
12) 1,1-dichloroethene	2.154	96	131618	39.45	ug/L	97
13) acetone	2.213	43	69860	41.92	ug/L	98
14) iodomethane	2.278	142	186776	40.52	ug/L	100
15) carbon disulfide	2.337	76	373592	42.60	ug/L	99
16) methyl acetate	2.519	43	152745	40.45	ug/L	99
17) methylene chloride	2.601	49	218212	39.67	ug/L	98
18) acrylonitrile	2.872	53	87275	39.34	ug/L	99
19) trans-1,2-dichloroethene	2.884	96	143685	38.58	ug/L	99
20) methyl (tert) butyl ether	2.907	73	416665	38.61	ug/L	98
21) 1,1-dichloroethane	3.384	63	278402	38.39	ug/L	98
22) vinyl acetate	3.490	43	257870	36.93	ug/L	99
23) 2,2-dichloropropane	4.201	77	148800	34.31	ug/L	99
24) cis-1,2-dichloroethene	4.213	96	160656	37.58	ug/L	97
25) 2-butanone (MEK)	4.290	43	93710	42.99	ug/L	100
26) bromochloromethane	4.607	49	144338	37.91	ug/L	99
27) tetrahydrofuran	4.707	71	26054	43.03	ug/L	94
28) chloroform	4.795	83	270790	38.06	ug/L	100
30) 1,1,1-trichloroethane	5.084	97	211633	38.96	ug/L	99
31) cyclohexane	5.160	56	243203	37.76	ug/L	99
32) carbon tetrachloride	5.378	117	164451	38.12	ug/L	99
33) 1,1-dichloropropene	5.401	75	200507	39.32	ug/L	99
34) benzene	5.754	78	623321	38.81	ug/L	99
35) 1,2-dichloroethane	5.813	62	212391	38.08	ug/L	99
36) heptane	6.260	57	16562	No Calib	#	
38) trichloroethene	6.854	130	152966	39.26	ug/L	100

001774

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100214\
Data File : BS1002A.D
Acq On : 02 Oct 2014 20:19
Operator : DLV
Sample : BS
Misc :
ALS Vial : 29 Sample Multiplier: 1
Quant Time: Oct 04 11:43:39 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	227389	37.76	ug/L		98
40)	1,2-dichloropropane	7.189	63	170581	38.70	ug/L		100
41)	dibromomethane	7.360	93	105887	38.42	ug/L		100
42)	bromodichloromethane	7.642	83	199698	38.36	ug/L		99
43)	2-chloroethyl vinyl ether	8.154	63	52279	43.82	ug/L		96
44)	cis-1,3-dichloropropene	8.301	75	220821	38.46	ug/L		99
45)	4-methyl-2-pentanone (...	8.578	43	198919	45.39	ug/L		99
47)	toluene	8.742	91	653204	38.52	ug/L		100
48)	trans-1,3-dichloropropene	9.101	75	178967	38.59	ug/L		99
49)	1,1,2-trichloroethane	9.325	83	133715	37.59	ug/L		98
51)	tetrachloroethene	9.466	166	160048	38.50	ug/L		97
52)	1,3-dichloropropane	9.536	76	273702	39.76	ug/L		99
53)	2-hexanone (MBK)	9.719	43	140176	42.85	ug/L		99
54)	dibromochloromethane	9.819	129	155442	37.87	ug/L		99
55)	1,2-dibromoethane	9.930	109	147002	40.36	ug/L	#	100
56)	chlorobenzene	10.595	112	400496	38.92	ug/L		99
57)	1-chlorohexane	10.636	55	138768	38.95	ug/L		98
58)	1,1,1,2-tetrachloroethane	10.724	131	139356	39.55	ug/L		96
59)	ethylbenzene	10.772	91	713792	39.88	ug/L		98
60)	m+p-xylene	10.930	106	523930	79.46	ug/L		99
61)	o-xylene	11.424	106	260233	40.06	ug/L		99
62)	styrene	11.448	104	440499	40.06	ug/L		99
63)	bromoform	11.654	173	113166	39.55	ug/L		99
66)	isopropylbenzene	11.913	105	654463	37.90	ug/L		100
67)	bromobenzene	12.242	77	279249	36.81	ug/L		99
68)	1,1,2,2-tetrachloroethane	12.313	83	228839	40.27	ug/L	#	99
69)	1,2,3-trichloropropane	12.342	110	66053	42.51	ug/L		98
70)	1,4-dichloro-2-butene	12.389	53	48390	36.68	ug/L		99
71)	n-propylbenzene	12.436	120	166660	37.05	ug/L		95
72)	2-chlorotoluene	12.507	126	154428	36.31	ug/L		99
73)	1,3,5-trimethylbenzene	12.671	105	559012	39.47	ug/L		97
74)	4-chlorotoluene	12.648	91	533492	37.23	ug/L		99
75)	tert-butylbenzene	13.066	119	460036	38.95	ug/L		99
76)	1,2,4-trimethylbenzene	13.124	105	546654	41.12	ug/L		100
77)	sec-butylbenzene	13.342	105	670541	39.43	ug/L		100
78)	1,3-dichlorobenzene	13.436	146	299863	38.56	ug/L		98
79)	4-isopropyltoluene	13.536	119	536191	40.72	ug/L		100
80)	1,4-dichlorobenzene	13.554	146	298943	38.09	ug/L		99
81)	1,2-dichlorobenzene	14.007	146	287673	38.69	ug/L		100
82)	n-butylbenzene	14.048	91	434697	36.07	ug/L		100
83)	hexachloroethane	14.313	201	67557	38.63	ug/L		95
84)	1,2-dibromo-3-chloropr...	14.983	157	35416	42.04	ug/L		96
85)	1,2,4-trichlorobenzene	16.001	180	92559	33.94	ug/L		100
86)	hexachlorobutadiene	16.242	225	63988	38.31	ug/L		98
87)	naphthalene	16.289	128	185256	35.14	ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	78896	34.51	ug/L		99
89)	2-methylnaphthalene	17.695	142	39780	36.91	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410909-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1410909
Sequence: 4J08061

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	20.0	19.6	98	36 - 164	ug/kg wet
Benzene	20.0	18.7	94	77 - 121	ug/kg wet
Bromobenzene	20.0	18.0	90	78 - 121	ug/kg wet
Bromochloromethane	20.0	18.3	92	78 - 125	ug/kg wet
Bromodichloromethane	20.0	19.1	96	75 - 127	ug/kg wet
Bromoform	20.0	20.1	100	67 - 132	ug/kg wet
Bromomethane	20.0	17.5	88	53 - 143	ug/kg wet
n-Butylbenzene	20.0	18.7	94	70 - 128	ug/kg wet
sec-Butylbenzene	20.0	18.3	91	70 - 128	ug/kg wet
tert-Butylbenzene	20.0	17.9	90	73 - 125	ug/kg wet
Carbon Disulfide	20.0	18.6	93	63 - 132	ug/kg wet
Carbon Tetrachloride	20.0	19.5	97	70 - 135	ug/kg wet
Chlorobenzene	20.0	18.5	93	79 - 120	ug/kg wet
Chloroethane	20.0	17.8	89	59 - 139	ug/kg wet
Chloroform	20.0	18.6	93	78 - 123	ug/kg wet
Chloromethane	20.0	17.4	87	50 - 136	ug/kg wet
2-Chlorotoluene	20.0	18.6	93	75 - 122	ug/kg wet
4-Chlorotoluene	20.0	18.3	91	72 - 124	ug/kg wet
1,2-Dibromo-3-chloropropane	20.0	21.1	105	61 - 132	ug/kg wet
Dibromochloromethane	20.0	20.0	100	74 - 126	ug/kg wet
1,2-Dibromoethane	20.0	19.5	98	78 - 122	ug/kg wet
Dibromomethane	20.0	18.2	91	78 - 125	ug/kg wet
1,2-Dichlorobenzene	20.0	18.7	93	78 - 121	ug/kg wet
1,3-Dichlorobenzene	20.0	18.4	92	77 - 121	ug/kg wet
1,4-Dichlorobenzene	20.0	18.3	91	75 - 120	ug/kg wet
Dichlorodifluoromethane	20.0	18.5	92	29 - 149	ug/kg wet
1,1-Dichloroethane	20.0	18.2	91	76 - 125	ug/kg wet
1,2-Dichloroethane	20.0	18.9	95	73 - 128	ug/kg wet
1,1-Dichloroethene	20.0	18.6	93	70 - 131	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410909-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1410909
Sequence: 4J08061

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	20.0	18.8	94	77 - 123	ug/kg wet
trans-1,2-Dichloroethene	20.0	17.7	88	74 - 125	ug/kg wet
1,2-Dichloropropane	20.0	19.2	96	76 - 123	ug/kg wet
1,3-Dichloropropane	20.0	18.9	94	77 - 121	ug/kg wet
2,2-Dichloropropane	20.0	18.8	94	67 - 133	ug/kg wet
1,1-Dichloropropene	20.0	18.4	92	76 - 125	ug/kg wet
cis-1,3-Dichloropropene	20.0	18.8	94	74 - 126	ug/kg wet
trans-1,3-Dichloropropene	20.0	19.4	97	71 - 130	ug/kg wet
Ethylbenzene	20.0	18.9	94	76 - 122	ug/kg wet
Hexachlorobutadiene	20.0	18.9	95	61 - 135	ug/kg wet
2-Hexanone	20.0	19.4	97	53 - 145	ug/kg wet
Isopropylbenzene	20.0	18.2	91	68 - 134	ug/kg wet
4-Isopropyltoluene	20.0	18.6	93	73 - 127	ug/kg wet
Methylene Chloride	20.0	23.5	117	70 - 128	ug/kg wet
2-Butanone (MEK)	20.0	19.6	98	51 - 148	ug/kg wet
4-Methyl-2-pentanone (MIBK)	20.0	18.9	95	65 - 135	ug/kg wet
Naphthalene	20.0	18.8	94	62 - 129	ug/kg wet
n-Propylbenzene	20.0	18.2	91	73 - 125	ug/kg wet
Styrene	20.0	18.9	94	76 - 124	ug/kg wet
1,1,1,2-Tetrachloroethane	20.0	20.1	101	78 - 125	ug/kg wet
1,1,2,2-Tetrachloroethane	20.0	18.2	91	70 - 124	ug/kg wet
Tetrachloroethene	20.0	18.2	91	73 - 128	ug/kg wet
Toluene	20.0	18.5	93	77 - 121	ug/kg wet
1,2,3-Trichlorobenzene	20.0	18.3	91	66 - 130	ug/kg wet
1,2,4-Trichlorobenzene	20.0	18.5	92	67 - 129	ug/kg wet
1,1,1-Trichloroethane	20.0	18.5	93	73 - 130	ug/kg wet
1,1,2-Trichloroethane	20.0	18.1	91	78 - 121	ug/kg wet
Trichloroethene	20.0	18.1	91	77 - 123	ug/kg wet
Trichlorofluoromethane	20.0	18.6	93	62 - 140	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410909-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1410909
Sequence: 4J08061

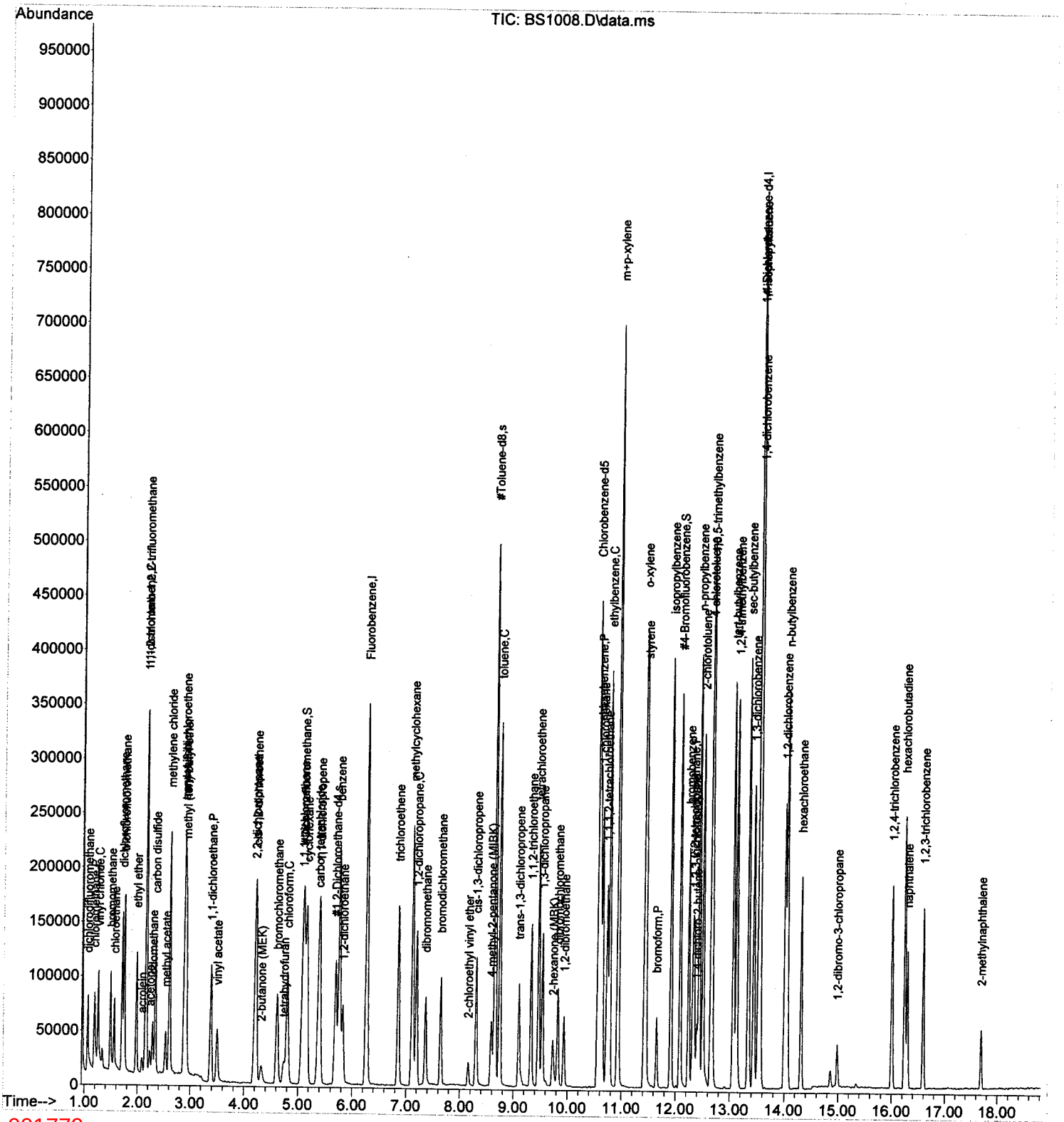
Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2,3-Trichloropropane	20.0	18.8	94	73 - 125	ug/kg wet
1,2,4-Trimethylbenzene	20.0	18.0	90	75 - 123	ug/kg wet
1,3,5-Trimethylbenzene	20.0	18.1	90	73 - 124	ug/kg wet
Vinyl Chloride	20.0	18.7	93	56 - 135	ug/kg wet
Xylene, Meta + Para	40.0	37.3	93	77 - 124	ug/kg wet
Xylene, Ortho	20.0	18.9	94	77 - 123	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : BS1008.D
Acq On : 08 Oct 2014 13:31
Operator : DLV
Sample : BS
Misc :
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 08 13:50:52 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : BS1008.D
Acq On : 08 Oct 2014 13:31
Operator : DLV
Sample : BS
Misc :
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 08 13:50:52 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	428171	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	288013	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	147267	40.00	ug/L		0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.101	111	109519	41.20	ug/L		0.00
Spiked Amount 40.000			Recovery = 103.00%				
37) #1,2-Dichloroethane-d4	5.690	67	63424	40.64	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.60%				
46) #Toluene-d8	8.654	98	413577	39.94	ug/L		0.00
Spiked Amount 40.000			Recovery = 99.85%				
64) #4-Bromofluorobenzene	12.083	95	144785	40.62	ug/L		0.00
Spiked Amount 40.000			Recovery = 101.55%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.060	85	73206	18.50	ug/L		100
3) chloromethane	1.184	50	95568	17.42	ug/L		98
4) vinyl chloride	1.260	62	93155	18.67	ug/L		98
5) bromomethane	1.490	94	53847	17.51	ug/L		99
6) chloroethane	1.560	64	50457	17.81	ug/L		98
7) dichlorofluoromethane	1.707	67	133401	18.45	ug/L		99
8) trichlorofluoromethane	1.743	101	111546	18.63	ug/L		99
9) ethyl ether	1.978	74	39905	17.56	ug/L		95
10) acrolein	2.084	56	13065	20.80	ug/L	#	98
11) 1,1,2-trichloro-1,2,2-...	2.160	101	68492	18.63	ug/L		99
12) 1,1-dichloroethene	2.154	96	62602	18.62	ug/L		97
13) acetone	2.231	43	28681	19.59	ug/L		93
14) iodomethane	2.284	142	52218	19.94	ug/L		98
15) carbon disulfide	2.337	76	160021	18.63	ug/L		98
16) methyl acetate	2.531	43	53666	18.22	ug/L		99
17) methylene chloride	2.607	49	136068	23.48	ug/L		99
18) acrylonitrile	2.884	53	28514	19.21	ug/L		98
19) trans-1,2-dichloroethene	2.884	96	67127	17.68	ug/L		97
20) methyl (tert) butyl ether	2.913	73	173976	18.72	ug/L		98
21) 1,1-dichloroethane	3.384	63	121567	18.19	ug/L		98
22) vinyl acetate	3.496	43	98001	18.96	ug/L		100
23) 2,2-dichloropropane	4.201	77	74189	18.85	ug/L		99
24) cis-1,2-dichloroethene	4.219	96	74808	18.78	ug/L		96
25) 2-butanone (MEK)	4.319	43	32913	19.57	ug/L		94
26) bromochloromethane	4.613	49	59028	18.30	ug/L		98
27) tetrahydrofuran	4.737	71	8645	18.40	ug/L		97
28) chloroform	4.801	83	120255	18.58	ug/L		99
30) 1,1,1-trichloroethane	5.084	97	92596	18.53	ug/L		98
31) cyclohexane	5.160	56	124716	18.34	ug/L		99
32) carbon tetrachloride	5.378	117	75068	19.47	ug/L		100
33) 1,1-dichloropropene	5.401	75	95926	18.37	ug/L		99
34) benzene	5.760	78	278673	18.73	ug/L		96
35) 1,2-dichloroethane	5.825	62	84034	18.93	ug/L		99
36) heptane	0.000		0	N.D.			
38) trichloroethene	6.854	130	71658	18.13	ug/L		99

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100814\
Data File : BS1008.D
Acq On : 08 Oct 2014 13:31
Operator : DLV
Sample : BS
Misc :
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 08 13:50:52 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	124763	18.05	ug/L		97
40)	1,2-dichloropropane	7.195	63	73016	19.16	ug/L		99
41)	dibromomethane	7.366	93	38375	18.19	ug/L		95
42)	bromodichloromethane	7.648	83	79486	19.12	ug/L		99
43)	2-chloroethyl vinyl ether	8.160	63	12390	18.17	ug/L		99
44)	cis-1,3-dichloropropene	8.307	75	87115	18.75	ug/L		98
45)	4-methyl-2-pentanone (...	8.584	43	61944	18.93	ug/L		98
47)	toluene	8.742	91	297296	18.54	ug/L		99
48)	trans-1,3-dichloropropene	9.101	75	67826	19.38	ug/L		99
49)	1,1,2-trichloroethane	9.331	83	50106	18.12	ug/L		99
51)	tetrachloroethene	9.466	166	76798	18.24	ug/L		98
52)	1,3-dichloropropane	9.536	76	100767	18.86	ug/L		98
53)	2-hexanone (MBK)	9.731	43	44711	19.40	ug/L		97
54)	dibromochloromethane	9.825	129	55833	19.97	ug/L		100
55)	1,2-dibromoethane	9.936	109	50783	19.54	ug/L	#	100
56)	chlorobenzene	10.595	112	179670	18.53	ug/L		98
57)	1-chlorohexane	10.636	55	68646	17.57	ug/L		93
58)	1,1,1,2-tetrachloroethane	10.725	131	57621	20.11	ug/L		99
59)	ethylbenzene	10.772	91	327041	18.87	ug/L		100
60)	m+p-xylene	10.930	106	238086	37.31	ug/L		99
61)	o-xylene	11.430	106	114206	18.89	ug/L		99
62)	styrene	11.454	104	191358	18.86	ug/L		98
63)	bromoform	11.654	173	36406	20.07	ug/L		95
66)	isopropylbenzene	11.913	105	310340	18.20	ug/L		100
67)	bromobenzene	12.242	77	120628	17.99	ug/L		99
68)	1,1,2,2-tetrachloroethane	12.319	83	80330	18.24	ug/L	#	98
69)	1,2,3-trichloropropane	12.342	110	21917	18.75	ug/L		97
70)	1,4-dichloro-2-butene	12.389	53	18848	19.41	ug/L		98
71)	n-propylbenzene	12.436	120	83545	18.24	ug/L		99
72)	2-chlorotoluene	12.507	126	74635	18.57	ug/L		97
73)	1,3,5-trimethylbenzene	12.672	105	265547	18.10	ug/L		99
74)	4-chlorotoluene	12.648	91	253830	18.28	ug/L		99
75)	tert-butylbenzene	13.066	119	225668	17.92	ug/L		99
76)	1,2,4-trimethylbenzene	13.130	105	255232	17.95	ug/L		99
77)	sec-butylbenzene	13.342	105	342000	18.28	ug/L		99
78)	1,3-dichlorobenzene	13.436	146	147741	18.43	ug/L		98
79)	4-isopropyltoluene	13.536	119	288910	18.56	ug/L		99
80)	1,4-dichlorobenzene	13.554	146	146649	18.27	ug/L		100
81)	1,2-dichlorobenzene	14.007	146	136765	18.67	ug/L		99
82)	n-butylbenzene	14.048	91	273244	18.72	ug/L		100
83)	hexachloroethane	14.313	201	32183	18.94	ug/L		97
84)	1,2-dibromo-3-chloropr...	14.983	157	13299	21.06	ug/L		98
85)	1,2,4-trichlorobenzene	16.007	180	72012	18.50	ug/L		99
86)	hexachlorobutadiene	16.242	225	56967	18.93	ug/L		98
87)	naphthalene	16.295	128	119321	18.84	ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	60165	18.29	ug/L		98
89)	2-methylnaphthalene	17.695	142	29974	18.53	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001781

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410976-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1410976
Sequence: 4J09046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	20.0	17.7	88	36 - 164	ug/kg wet
Benzene	20.0	19.2	96	77 - 121	ug/kg wet
Bromobenzene	20.0	17.8	89	78 - 121	ug/kg wet
Bromochloromethane	20.0	18.6	93	78 - 125	ug/kg wet
Bromodichloromethane	20.0	19.7	99	75 - 127	ug/kg wet
Bromoform	20.0	20.2	101	67 - 132	ug/kg wet
Bromomethane	20.0	18.1	90	53 - 143	ug/kg wet
n-Butylbenzene	20.0	18.5	92	70 - 128	ug/kg wet
sec-Butylbenzene	20.0	18.2	91	70 - 128	ug/kg wet
tert-Butylbenzene	20.0	17.6	88	73 - 125	ug/kg wet
Carbon Disulfide	20.0	17.8	89	63 - 132	ug/kg wet
Carbon Tetrachloride	20.0	20.2	101	70 - 135	ug/kg wet
Chlorobenzene	20.0	18.6	93	79 - 120	ug/kg wet
Chloroethane	20.0	18.0	90	59 - 139	ug/kg wet
Chloroform	20.0	18.8	94	78 - 123	ug/kg wet
Chloromethane	20.0	18.1	91	50 - 136	ug/kg wet
2-Chlorotoluene	20.0	18.2	91	75 - 122	ug/kg wet
4-Chlorotoluene	20.0	18.1	90	72 - 124	ug/kg wet
1,2-Dibromo-3-chloropropane	20.0	19.2	96	61 - 132	ug/kg wet
Dibromochloromethane	20.0	19.8	99	74 - 126	ug/kg wet
1,2-Dibromoethane	20.0	18.7	94	78 - 122	ug/kg wet
Dibromomethane	20.0	19.1	96	78 - 125	ug/kg wet
1,2-Dichlorobenzene	20.0	18.1	90	78 - 121	ug/kg wet
1,3-Dichlorobenzene	20.0	18.0	90	77 - 121	ug/kg wet
1,4-Dichlorobenzene	20.0	18.0	90	75 - 120	ug/kg wet
Dichlorodifluoromethane	20.0	19.1	95	29 - 149	ug/kg wet
1,1-Dichloroethane	20.0	19.0	95	76 - 125	ug/kg wet
1,2-Dichloroethane	20.0	19.2	96	73 - 128	ug/kg wet
1,1-Dichloroethene	20.0	18.9	94	70 - 131	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410976-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1410976
Sequence: 4J09046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	20.0	18.3	92	77 - 123	ug/kg wet
trans-1,2-Dichloroethene	20.0	18.5	92	74 - 125	ug/kg wet
1,2-Dichloropropane	20.0	19.5	97	76 - 123	ug/kg wet
1,3-Dichloropropane	20.0	19.0	95	77 - 121	ug/kg wet
2,2-Dichloropropane	20.0	19.3	96	67 - 133	ug/kg wet
1,1-Dichloropropene	20.0	19.1	96	76 - 125	ug/kg wet
cis-1,3-Dichloropropene	20.0	19.1	96	74 - 126	ug/kg wet
trans-1,3-Dichloropropene	20.0	19.1	96	71 - 130	ug/kg wet
Ethylbenzene	20.0	18.6	93	76 - 122	ug/kg wet
Hexachlorobutadiene	20.0	18.5	92	61 - 135	ug/kg wet
2-Hexanone	20.0	16.7	83	53 - 145	ug/kg wet
Isopropylbenzene	20.0	18.0	90	68 - 134	ug/kg wet
4-Isopropyltoluene	20.0	18.1	90	73 - 127	ug/kg wet
Methylene Chloride	20.0	25.2	126	70 - 128	ug/kg wet
2-Butanone (MEK)	20.0	16.1	81	51 - 148	ug/kg wet
4-Methyl-2-pentanone (MIBK)	20.0	15.5	78	65 - 135	ug/kg wet
Naphthalene	20.0	16.7	84	62 - 129	ug/kg wet
n-Propylbenzene	20.0	18.2	91	73 - 125	ug/kg wet
Styrene	20.0	18.9	94	76 - 124	ug/kg wet
1,1,1,2-Tetrachloroethane	20.0	19.8	99	78 - 125	ug/kg wet
1,1,2,2-Tetrachloroethane	20.0	17.9	89	70 - 124	ug/kg wet
Tetrachloroethene	20.0	18.7	94	73 - 128	ug/kg wet
Toluene	20.0	19.0	95	77 - 121	ug/kg wet
1,2,3-Trichlorobenzene	20.0	17.3	86	66 - 130	ug/kg wet
1,2,4-Trichlorobenzene	20.0	18.0	90	67 - 129	ug/kg wet
1,1,1-Trichloroethane	20.0	18.9	95	73 - 130	ug/kg wet
1,1,2-Trichloroethane	20.0	18.6	93	78 - 121	ug/kg wet
Trichloroethene	20.0	18.6	93	77 - 123	ug/kg wet
Trichlorofluoromethane	20.0	18.8	94	62 - 140	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410976

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410976-BS1

Preparation: 5035A Low Concentration - MS

Initial/Final: 5 grams / 5 mL

Sequence: 4J09046

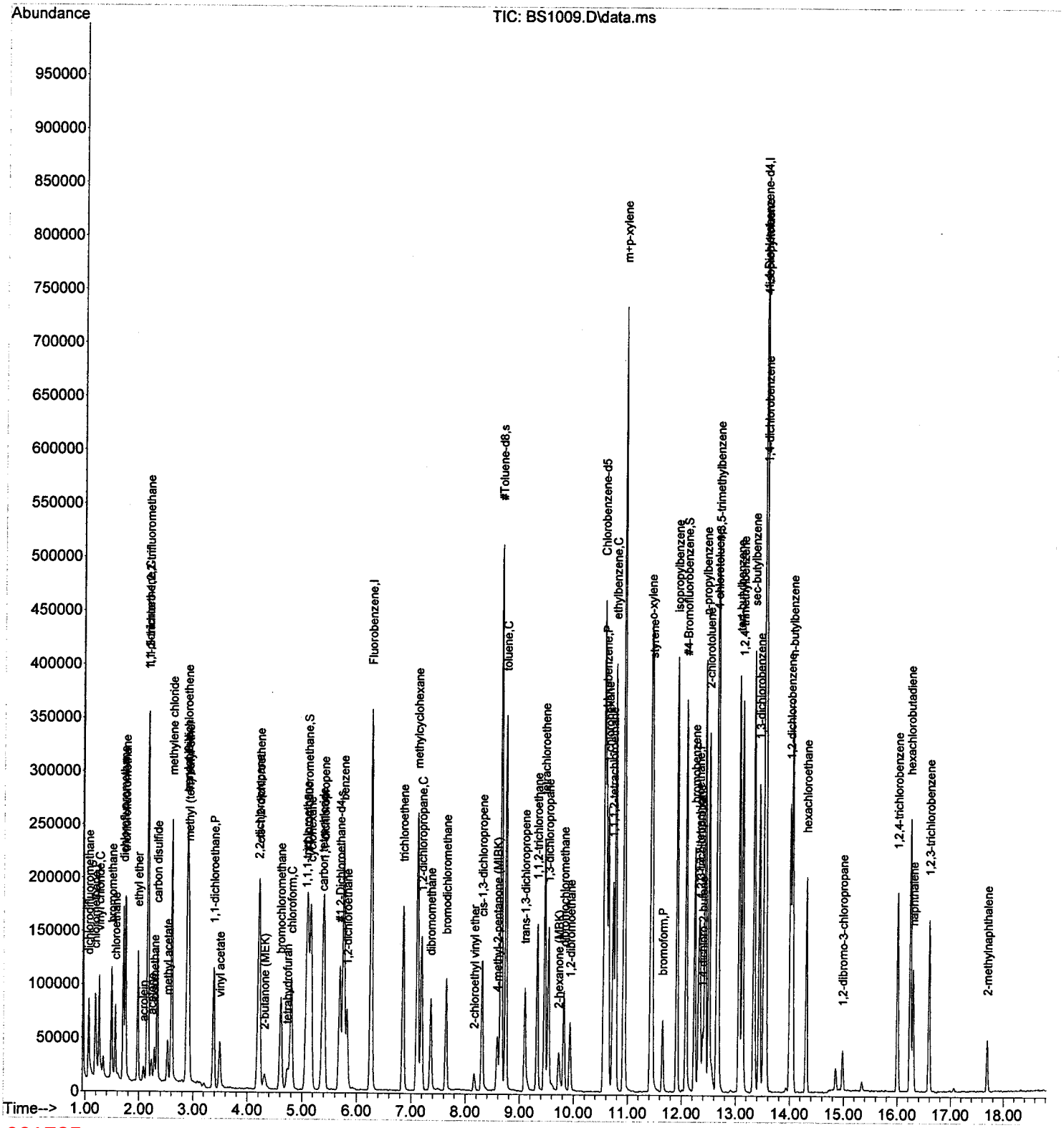
Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2,3-Trichloropropane	20.0	19.1	96	73 - 125	ug/kg wet
1,2,4-Trimethylbenzene	20.0	17.8	89	75 - 123	ug/kg wet
1,3,5-Trimethylbenzene	20.0	18.1	90	73 - 124	ug/kg wet
Vinyl Chloride	20.0	18.6	93	56 - 135	ug/kg wet
Xylene, Meta + Para	40.0	37.3	93	77 - 124	ug/kg wet
Xylene, Ortho	20.0	18.7	94	77 - 123	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : BS1009.D
Acq On : 09 Oct 2014 08:17
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 09 09:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001785

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : BS1009.D
Acq On : 09 Oct 2014 08:17
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 09 09:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	439205	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	301881	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	154268	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	109958	40.33	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.82%		
37) #1,2-Dichloroethane-d4	5.690	67	64932	40.56	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.40%		
46) #Toluene-d8	8.654	98	416474	39.21	ug/L	0.00
Spiked Amount 40.000			Recovery =	98.03%		
64) #4-Bromofluorobenzene	12.083	95	150065	40.17	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.43%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.060	85	77476	19.09	ug/L	96
3) chloromethane	1.184	50	101938	18.11	ug/L	99
4) vinyl chloride	1.260	62	95140	18.59	ug/L	98
5) bromomethane	1.490	94	57039	18.08	ug/L	99
6) chloroethane	1.560	64	52173	17.95	ug/L	97
7) dichlorofluoromethane	1.707	67	140255	18.91	ug/L	97
8) trichlorofluoromethane	1.743	101	115665	18.83	ug/L	100
9) ethyl ether	1.978	74	43484	18.66	ug/L	98
10) acrolein	2.084	56	13046	20.24	ug/L #	95
11) 1,1,2-trichloro-1,2,2-...	2.160	101	73746	19.56	ug/L	99
12) 1,1-dichloroethene	2.154	96	65102	18.88	ug/L	99
13) acetone	2.231	43	27250	17.68	ug/L	91
14) iodomethane	2.284	142	34223	14.96	ug/L	98
15) carbon disulfide	2.337	76	157231	17.85	ug/L	97
16) methyl acetate	2.531	43	58028	19.20	ug/L	98
17) methylene chloride	2.607	49	148175	25.17	ug/L	99
18) acrylonitrile	2.884	53	28403	18.67	ug/L	98
19) trans-1,2-dichloroethene	2.884	96	71962	18.48	ug/L	98
20) methyl (tert) butyl ether	2.913	73	178606	18.74	ug/L	99
21) 1,1-dichloroethane	3.384	63	130573	19.04	ug/L	99
22) vinyl acetate	3.496	43	86420	16.30	ug/L	99
23) 2,2-dichloropropane	4.201	77	77901	19.30	ug/L	99
24) cis-1,2-dichloroethene	4.219	96	74848	18.32	ug/L	98
25) 2-butanone (MEK)	4.313	43	27832	16.13	ug/L	96
26) bromochloromethane	4.607	49	61440	18.56	ug/L	99
27) tetrahydrofuran	4.731	71	9113	18.91	ug/L	88
28) chloroform	4.801	83	125064	18.84	ug/L	100
30) 1,1,1-trichloroethane	5.078	97	96943	18.91	ug/L	98
31) cyclohexane	5.160	56	126516	18.14	ug/L	97
32) carbon tetrachloride	5.378	117	79685	20.15	ug/L	97
33) 1,1-dichloropropene	5.401	75	102359	19.11	ug/L	99
34) benzene	5.760	78	293466	19.23	ug/L	96
35) 1,2-dichloroethane	5.825	62	87517	19.22	ug/L	99
36) heptane	0.000		0	N.D.		
38) trichloroethene	6.854	130	75276	18.57	ug/L	99

001786

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100914\
Data File : BS1009.D
Acq On : 09 Oct 2014 08:17
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 09 09:04:12 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methylcyclohexane	7.119	83	133813	18.87	ug/L		99
40) 1,2-dichloropropane	7.195	63	76111	19.47	ug/L		99
41) dibromomethane	7.360	93	41387	19.13	ug/L		96
42) bromodichloromethane	7.648	83	84064	19.71	ug/L		98
43) 2-chloroethyl vinyl ether	8.160	63	8911	12.74	ug/L		95
44) cis-1,3-dichloropropene	8.307	75	91086	19.11	ug/L		99
45) 4-methyl-2-pentanone (...	8.583	43	52152	15.54	ug/L		99
47) toluene	8.742	91	312967	19.03	ug/L		100
48) trans-1,3-dichloropropene	9.101	75	68670	19.12	ug/L		98
49) 1,1,2-trichloroethane	9.331	83	52864	18.63	ug/L		98
51) tetrachloroethene	9.466	166	82596	18.72	ug/L		99
52) 1,3-dichloropropane	9.536	76	106131	18.95	ug/L		100
53) 2-hexanone (MBK)	9.725	43	40332	16.69	ug/L		98
54) dibromochloromethane	9.825	129	58110	19.83	ug/L		98
55) 1,2-dibromoethane	9.936	109	51039	18.73	ug/L	#	100
56) chlorobenzene	10.595	112	188579	18.56	ug/L		98
57) 1-chlorohexane	10.636	55	71635	17.50	ug/L		97
58) 1,1,1,2-tetrachloroethane	10.725	131	59600	19.84	ug/L		98
59) ethylbenzene	10.772	91	337688	18.59	ug/L		100
60) m+p-xylene	10.930	106	249624	37.32	ug/L		100
61) o-xylene	11.425	106	118751	18.74	ug/L		99
62) styrene	11.454	104	200824	18.89	ug/L		98
63) bromoform	11.654	173	38406	20.20	ug/L		95
66) isopropylbenzene	11.913	105	321922	18.03	ug/L		100
67) bromobenzene	12.242	77	125117	17.82	ug/L		98
68) 1,1,2,2-tetrachloroethane	12.319	83	82503	17.88	ug/L	#	99
69) 1,2,3-trichloropropane	12.342	110	23415	19.13	ug/L		91
70) 1,4-dichloro-2-butene	12.389	53	18386	18.08	ug/L		95
71) n-propylbenzene	12.436	120	87474	18.23	ug/L		99
72) 2-chlorotoluene	12.507	126	76630	18.21	ug/L		100
73) 1,3,5-trimethylbenzene	12.672	105	277937	18.08	ug/L		99
74) 4-chlorotoluene	12.648	91	262878	18.07	ug/L		98
75) tert-butylbenzene	13.066	119	231619	17.56	ug/L		99
76) 1,2,4-trimethylbenzene	13.124	105	265658	17.83	ug/L		99
77) sec-butylbenzene	13.342	105	355877	18.16	ug/L		99
78) 1,3-dichlorobenzene	13.436	146	151444	18.03	ug/L		99
79) 4-isopropyltoluene	13.536	119	294751	18.07	ug/L		99
80) 1,4-dichlorobenzene	13.554	146	150968	17.96	ug/L		98
81) 1,2-dichlorobenzene	14.007	146	138623	18.06	ug/L		99
82) n-butylbenzene	14.048	91	282250	18.46	ug/L		99
83) hexachloroethane	14.313	201	32151	18.06	ug/L		96
84) 1,2-dibromo-3-chloropr...	14.983	157	12666	19.15	ug/L		92
85) 1,2,4-trichlorobenzene	16.007	180	73135	18.00	ug/L		98
86) hexachlorobutadiene	16.242	225	58309	18.50	ug/L		98
87) naphthalene	16.295	128	108377	16.70	ug/L		98
88) 1,2,3-trichlorobenzene	16.595	180	58947	17.26	ug/L		98
89) 2-methylnaphthalene	17.695	142	26251	15.78	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1411044-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1411044
Sequence: 4J10037

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	20.0	26.0	130	36 - 164	ug/kg wet
Benzene	20.0	19.5	97	77 - 121	ug/kg wet
Bromobenzene	20.0	18.7	94	78 - 121	ug/kg wet
Bromochloromethane	20.0	18.3	92	78 - 125	ug/kg wet
Bromodichloromethane	20.0	20.2	101	75 - 127	ug/kg wet
Bromoform	20.0	21.7	108	67 - 132	ug/kg wet
Bromomethane	20.0	19.7	99	53 - 143	ug/kg wet
n-Butylbenzene	20.0	19.0	95	70 - 128	ug/kg wet
sec-Butylbenzene	20.0	19.3	96	70 - 128	ug/kg wet
tert-Butylbenzene	20.0	18.5	92	73 - 125	ug/kg wet
Carbon Disulfide	20.0	22.4	112	63 - 132	ug/kg wet
Carbon Tetrachloride	20.0	22.3	111	70 - 135	ug/kg wet
Chlorobenzene	20.0	19.5	98	79 - 120	ug/kg wet
Chloroethane	20.0	18.3	91	59 - 139	ug/kg wet
Chloroform	20.0	19.4	97	78 - 123	ug/kg wet
Chloromethane	20.0	18.0	90	50 - 136	ug/kg wet
2-Chlorotoluene	20.0	19.4	97	75 - 122	ug/kg wet
4-Chlorotoluene	20.0	19.1	96	72 - 124	ug/kg wet
1,2-Dibromo-3-chloropropane	20.0	19.9	100	61 - 132	ug/kg wet
Dibromochloromethane	20.0	21.5	107	74 - 126	ug/kg wet
1,2-Dibromoethane	20.0	19.2	96	78 - 122	ug/kg wet
Dibromomethane	20.0	19.2	96	78 - 125	ug/kg wet
1,2-Dichlorobenzene	20.0	19.0	95	78 - 121	ug/kg wet
1,3-Dichlorobenzene	20.0	19.1	96	77 - 121	ug/kg wet
1,4-Dichlorobenzene	20.0	18.8	94	75 - 120	ug/kg wet
Dichlorodifluoromethane	20.0	18.9	94	29 - 149	ug/kg wet
1,1-Dichloroethane	20.0	19.8	99	76 - 125	ug/kg wet
1,2-Dichloroethane	20.0	18.1	91	73 - 128	ug/kg wet
1,1-Dichloroethene	20.0	19.6	98	70 - 131	ug/kg wet

LCS / LCS DUPLICATE RECOVERY
USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1411044-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1411044
Sequence: 4J10037

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	20.0	19.0	95	77 - 123	ug/kg wet
trans-1,2-Dichloroethene	20.0	19.4	97	74 - 125	ug/kg wet
1,2-Dichloropropane	20.0	18.8	94	76 - 123	ug/kg wet
1,3-Dichloropropane	20.0	18.9	94	77 - 121	ug/kg wet
2,2-Dichloropropane	20.0	20.3	102	67 - 133	ug/kg wet
1,1-Dichloropropene	20.0	19.5	97	76 - 125	ug/kg wet
cis-1,3-Dichloropropene	20.0	19.8	99	74 - 126	ug/kg wet
trans-1,3-Dichloropropene	20.0	19.8	99	71 - 130	ug/kg wet
Ethylbenzene	20.0	19.3	97	76 - 122	ug/kg wet
Hexachlorobutadiene	20.0	18.9	94	61 - 135	ug/kg wet
2-Hexanone	20.0	19.5	98	53 - 145	ug/kg wet
Isopropylbenzene	20.0	19.2	96	68 - 134	ug/kg wet
4-Isopropyltoluene	20.0	19.1	95	73 - 127	ug/kg wet
Methylene Chloride	20.0	26.4	132 *	70 - 128	ug/kg wet
2-Butanone (MEK)	20.0	16.4	82	51 - 148	ug/kg wet
4-Methyl-2-pentanone (MIBK)	20.0	17.7	89	65 - 135	ug/kg wet
Naphthalene	20.0	15.7	79	62 - 129	ug/kg wet
n-Propylbenzene	20.0	19.6	98	73 - 125	ug/kg wet
Styrene	20.0	19.6	98	76 - 124	ug/kg wet
1,1,1,2-Tetrachloroethane	20.0	20.8	104	78 - 125	ug/kg wet
1,1,2,2-Tetrachloroethane	20.0	19.1	96	70 - 124	ug/kg wet
Tetrachloroethene	20.0	19.2	96	73 - 128	ug/kg wet
Toluene	20.0	18.8	94	77 - 121	ug/kg wet
1,2,3-Trichlorobenzene	20.0	16.9	84	66 - 130	ug/kg wet
1,2,4-Trichlorobenzene	20.0	17.2	86	67 - 129	ug/kg wet
1,1,1-Trichloroethane	20.0	19.9	100	73 - 130	ug/kg wet
1,1,2-Trichloroethane	20.0	18.4	92	78 - 121	ug/kg wet
Trichloroethene	20.0	19.6	98	77 - 123	ug/kg wet
Trichlorofluoromethane	20.0	19.9	99	62 - 140	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1411044-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL

QC Batch: 1411044
Sequence: 4J10037

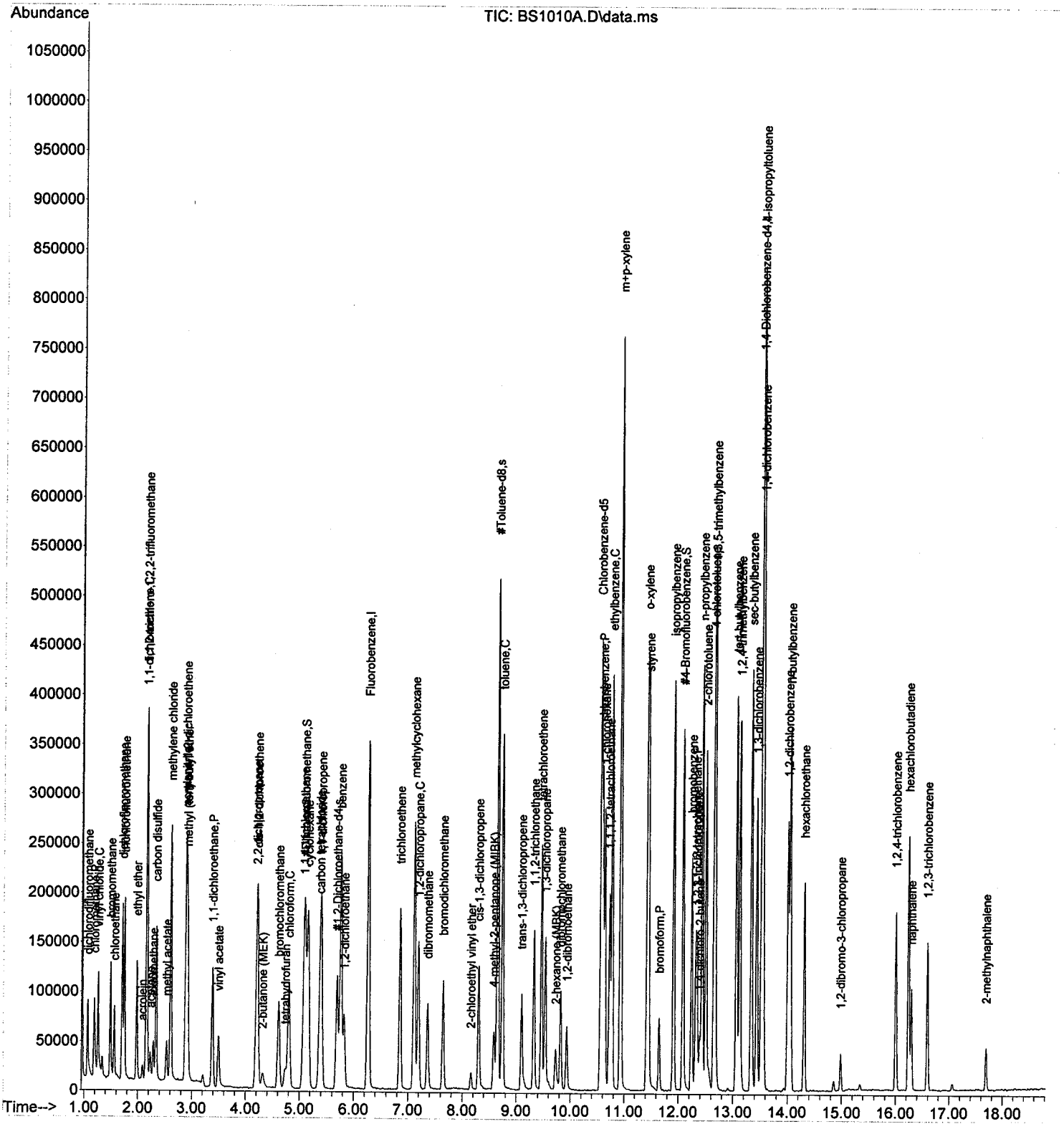
Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2,3-Trichloropropane	20.0	17.6	88	73 - 125	ug/kg wet
1,2,4-Trimethylbenzene	20.0	18.7	94	75 - 123	ug/kg wet
1,3,5-Trimethylbenzene	20.0	19.0	95	73 - 124	ug/kg wet
Vinyl Chloride	20.0	19.2	96	56 - 135	ug/kg wet
Xylene, Meta + Para	40.0	38.8	97	77 - 124	ug/kg wet
Xylene, Ortho	20.0	19.6	98	77 - 123	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : BS1010A.D
Acq On : 10 Oct 2014 08:43
Operator : DLV
Sample : BS
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 10 09:02:52 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



001791

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : BS1010A.D
Acq On : 10 Oct 2014 08:43
Operator : DLV
Sample : BS
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 10 09:02:52 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	447857	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	300412	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	150161	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.101	111	110863	39.88	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.70%		
37) #1,2-Dichloroethane-d4	5.690	67	63610	38.96	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.40%		
46) #Toluene-d8	8.654	98	422821	39.04	ug/L	0.00
Spiked Amount 40.000			Recovery =	97.60%		
64) #4-Bromofluorobenzene	12.083	95	150951	40.60	ug/L	0.00
Spiked Amount 40.000			Recovery =	101.50%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	78199	18.89	ug/L	96
3) chloromethane	1.190	50	103370	18.01	ug/L	99
4) vinyl chloride	1.260	62	100271	19.21	ug/L	100
5) bromomethane	1.490	94	63452	19.72	ug/L	97
6) chloroethane	1.560	64	54176	18.28	ug/L	99
7) dichlorofluoromethane	1.707	67	152460	20.16	ug/L	99
8) trichlorofluoromethane	1.749	101	124409	19.86	ug/L	98
9) ethyl ether	1.978	74	44934	18.91	ug/L	99
10) acrolein	2.084	56	13019	19.80	ug/L #	98
11) 1,1,2-trichloro-1,2,2-...	2.160	101	75638	19.67	ug/L	97
12) 1,1-dichloroethene	2.154	96	68996	19.62	ug/L	98
13) acetone	2.231	43	37416	25.99	ug/L	90
14) iodomethane	2.284	142	41162	16.54	ug/L	98
15) carbon disulfide	2.337	76	201212	22.40	ug/L	99
16) methyl acetate	2.531	43	56230	18.25	ug/L	96
17) methylene chloride	2.607	49	157396	26.38	ug/L	98
18) acrylonitrile	2.884	53	29719	19.15	ug/L	97
19) trans-1,2-dichloroethene	2.890	96	76989	19.39	ug/L	94
20) methyl (tert) butyl ether	2.913	73	181196	18.64	ug/L	99
21) 1,1-dichloroethane	3.384	63	138439	19.80	ug/L	98
22) vinyl acetate	3.496	43	107912	19.96	ug/L	98
23) 2,2-dichloropropane	4.201	77	83692	20.33	ug/L	98
24) cis-1,2-dichloroethene	4.219	96	79057	18.97	ug/L	100
25) 2-butanone (MEK)	4.313	43	28777	16.36	ug/L	100
26) bromochloromethane	4.613	49	61782	18.31	ug/L	97
27) tetrahydrofuran	4.737	71	9202	18.73	ug/L	94
28) chloroform	4.801	83	131011	19.35	ug/L	99
30) 1,1,1-trichloroethane	5.084	97	104134	19.92	ug/L	96
31) cyclohexane	5.160	56	134035	18.84	ug/L	99
32) carbon tetrachloride	5.378	117	89772	22.26	ug/L	98
33) 1,1-dichloropropene	5.401	75	106404	19.48	ug/L	99
34) benzene	5.760	78	303414	19.49	ug/L	96
35) 1,2-dichloroethane	5.825	62	84105	18.11	ug/L	98
36) heptane	0.000		0	N.D.		
38) trichloroethene	6.854	130	80960	19.58	ug/L	98

001792

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101014\
Data File : BS1010A.D
Acq On : 10 Oct 2014 08:43
Operator : DLV
Sample : BS
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Oct 10 09:02:52 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	136657	18.90	ug/L		99
40)	1,2-dichloropropane	7.195	63	74862	18.78	ug/L		100
41)	dibromomethane	7.366	93	42475	19.25	ug/L		98
42)	bromodichloromethane	7.648	83	87599	20.15	ug/L		98
43)	2-chloroethyl vinyl ether	8.160	63	10125	14.19	ug/L		97
44)	cis-1,3-dichloropropene	8.301	75	96054	19.77	ug/L		98
45)	4-methyl-2-pentanone (...	8.584	43	60657	17.73	ug/L		99
47)	toluene	8.742	91	315542	18.81	ug/L		100
48)	trans-1,3-dichloropropene	9.101	75	72677	19.85	ug/L		96
49)	1,1,2-trichloroethane	9.331	83	53243	18.40	ug/L		99
51)	tetrachloroethene	9.466	166	84204	19.18	ug/L		97
52)	1,3-dichloropropane	9.536	76	105316	18.90	ug/L		98
53)	2-hexanone (MBK)	9.730	43	46885	19.50	ug/L		97
54)	dibromochloromethane	9.819	129	62674	21.49	ug/L		98
55)	1,2-dibromoethane	9.936	109	52134	19.23	ug/L	#	100
56)	chlorobenzene	10.595	112	197401	19.52	ug/L		98
57)	1-chlorohexane	10.636	55	76944	18.88	ug/L		99
58)	1,1,1,2-tetrachloroethane	10.725	131	62262	20.83	ug/L		97
59)	ethylbenzene	10.772	91	349433	19.33	ug/L		98
60)	m+p-xylene	10.930	106	258183	38.79	ug/L		100
61)	o-xylene	11.430	106	123477	19.58	ug/L		97
62)	styrene	11.454	104	207460	19.61	ug/L		99
63)	bromoform	11.654	173	40994	21.66	ug/L		96
66)	isopropylbenzene	11.913	105	333058	19.16	ug/L		98
67)	bromobenzene	12.242	77	128038	18.73	ug/L		100
68)	1,1,2,2-tetrachloroethane	12.319	83	85822	19.11	ug/L	#	97
69)	1,2,3-trichloropropane	12.342	110	20935	17.57	ug/L		92
70)	1,4-dichloro-2-butene	12.389	53	18522	18.71	ug/L		96
71)	n-propylbenzene	12.436	120	91513	19.59	ug/L		97
72)	2-chlorotoluene	12.507	126	79312	19.36	ug/L		98
73)	1,3,5-trimethylbenzene	12.672	105	283889	18.98	ug/L		99
74)	4-chlorotoluene	12.648	91	270672	19.12	ug/L		99
75)	tert-butylbenzene	13.066	119	237377	18.49	ug/L		98
76)	1,2,4-trimethylbenzene	13.130	105	271572	18.73	ug/L		100
77)	sec-butylbenzene	13.342	105	368155	19.30	ug/L		99
78)	1,3-dichlorobenzene	13.436	146	156508	19.14	ug/L		99
79)	4-isopropyltoluene	13.536	119	303068	19.09	ug/L		99
80)	1,4-dichlorobenzene	13.554	146	154140	18.83	ug/L		99
81)	1,2-dichlorobenzene	14.007	146	141617	18.96	ug/L		98
82)	n-butylbenzene	14.048	91	283041	19.01	ug/L		98
83)	hexachloroethane	14.313	201	37395	21.58	ug/L		95
84)	1,2-dibromo-3-chloropr...	14.983	157	12820	19.91	ug/L		94
85)	1,2,4-trichlorobenzene	16.007	180	67758	17.24	ug/L		99
86)	hexachlorobutadiene	16.242	225	57859	18.86	ug/L		97
87)	naphthalene	16.295	128	98099	15.72	ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	55987	16.89	ug/L		99
89)	2-methylnaphthalene	17.695	142	23512	14.64	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1411272-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1411272
Sequence: 4J14046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	40.0	39.0	98	39 - 160	ug/L
Benzene	40.0	40.0	100	79 - 120	ug/L
Bromobenzene	40.0	36.5	91	80 - 120	ug/L
Bromochloromethane	40.0	37.4	94	78 - 123	ug/L
Bromodichloromethane	40.0	37.6	94	78 - 123	ug/L
Bromoform	40.0	38.3	96	66 - 130	ug/L
Bromomethane	40.0	39.0	98	53 - 141	ug/L
n-Butylbenzene	40.0	37.6	94	75 - 128	ug/L
sec-Butylbenzene	40.0	40.0	100	77 - 126	ug/L
tert-Butylbenzene	40.0	40.3	101	78 - 124	ug/L
Carbon Disulfide	40.0	36.0	90	64 - 133	ug/L
Carbon Tetrachloride	40.0	39.2	98	72 - 136	ug/L
Chlorobenzene	40.0	41.0	102	82 - 118	ug/L
Chloroethane	40.0	35.8	90	60 - 138	ug/L
Chloroform	40.0	39.2	98	79 - 124	ug/L
Chloromethane	40.0	32.2	80	50 - 139	ug/L
2-Chlorotoluene	40.0	38.9	97	79 - 122	ug/L
4-Chlorotoluene	40.0	38.4	96	78 - 122	ug/L
1,2-Dibromo-3-chloropropane	40.0	41.4	104	62 - 126	ug/L
Dibromochloromethane	40.0	36.9	92	74 - 126	ug/L
1,2-Dibromoethane	40.0	40.6	102	77 - 121	ug/L
Dibromomethane	40.0	40.0	100	79 - 123	ug/L
1,2-Dichlorobenzene	40.0	41.5	104	80 - 119	ug/L
1,3-Dichlorobenzene	40.0	40.5	101	80 - 119	ug/L
1,4-Dichlorobenzene	40.0	39.9	100	79 - 118	ug/L
Dichlorodifluoromethane	40.0	29.8	74	32 - 152	ug/L
1,1-Dichloroethane	40.0	38.3	96	77 - 125	ug/L
1,2-Dichloroethane	40.0	38.0	95	77 - 121	ug/L
1,1-Dichloroethene	40.0	40.7	102	71 - 131	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1411272-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1411272
Sequence: 4J14046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	40.0	39.5	99	78 - 123	ug/L
trans-1,2-Dichloroethene	40.0	39.4	98	75 - 124	ug/L
1,2-Dichloropropane	40.0	38.7	97	78 - 122	ug/L
1,3-Dichloropropane	40.0	40.3	101	80 - 119	ug/L
2,2-Dichloropropane	40.0	35.5	89	60 - 139	ug/L
1,1-Dichloropropene	40.0	40.0	100	79 - 125	ug/L
cis-1,3-Dichloropropene	40.0	39.2	98	75 - 124	ug/L
trans-1,3-Dichloropropene	40.0	38.8	97	73 - 127	ug/L
Ethylbenzene	40.0	40.9	102	79 - 121	ug/L
Hexachlorobutadiene	40.0	40.8	102	66 - 134	ug/L
2-Hexanone	40.0	40.1	100	53 - 141	ug/L
Isopropylbenzene	40.0	39.3	98	72 - 131	ug/L
4-Isopropyltoluene	40.0	42.3	106	77 - 127	ug/L
Methyl tert-Butyl Ether	40.0	40.4	101	71 - 124	ug/L
Methylene Chloride	40.0	37.3	93	74 - 124	ug/L
2-Butanone (MEK)	40.0	42.6	107	56 - 143	ug/L
4-Methyl-2-pentanone (MIBK)	40.0	43.0	108	67 - 130	ug/L
Naphthalene	40.0	42.0	105	61 - 128	ug/L
n-Propylbenzene	40.0	38.8	97	76 - 126	ug/L
Styrene	40.0	41.6	104	78 - 123	ug/L
1,1,1,2-Tetrachloroethane	40.0	38.7	97	78 - 124	ug/L
1,1,2,2-Tetrachloroethane	40.0	41.4	103	71 - 121	ug/L
Tetrachloroethene	40.0	40.2	100	74 - 129	ug/L
Toluene	40.0	40.4	101	80 - 121	ug/L
1,2,3-Trichlorobenzene	40.0	40.1	100	69 - 129	ug/L
1,2,4-Trichlorobenzene	40.0	38.9	97	69 - 130	ug/L
1,1,1-Trichloroethane	40.0	39.3	98	74 - 131	ug/L
1,1,2-Trichloroethane	40.0	38.6	97	80 - 119	ug/L
Trichloroethene	40.0	42.3	106	79 - 123	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Water

QC Batch: 1411272

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1411272-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 4J14046

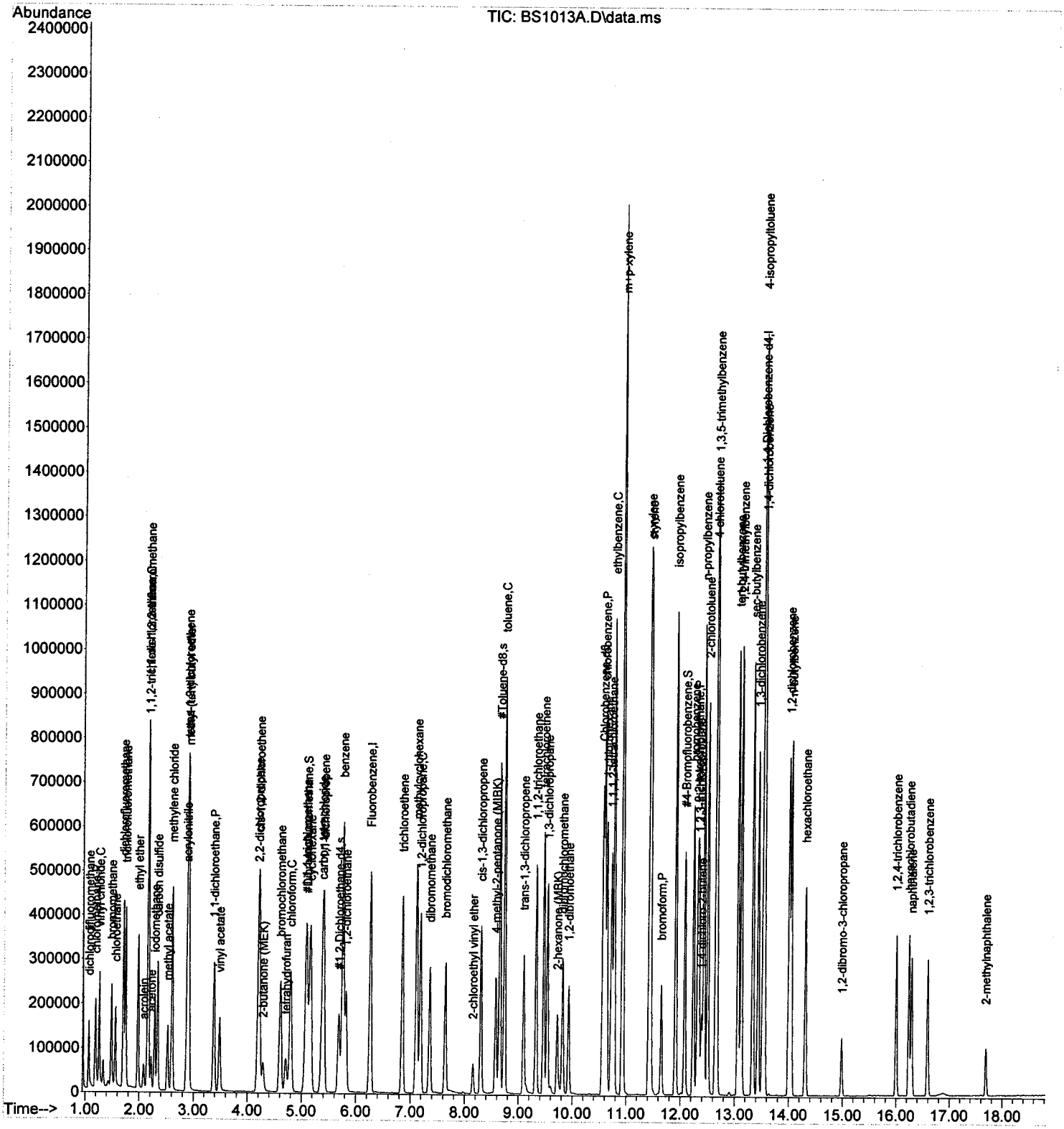
Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Trichlorofluoromethane	40.0	37.5	94	65 - 141	ug/L
1,2,3-Trichloropropane	40.0	42.0	105	73 - 122	ug/L
1,2,4-Trimethylbenzene	40.0	42.4	106	69 - 130	ug/L
1,3,5-Trimethylbenzene	40.0	40.5	101	75 - 124	ug/L
Vinyl Chloride	40.0	36.0	90	58 - 137	ug/L
Xylene, Meta + Para	80.0	82.2	103	80 - 121	ug/L
Xylene, Ortho	40.0	41.5	104	78 - 122	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : BS1013A.D
Acq On : 13 Oct 2014 20:03
Operator : DLV
Sample : BS
Misc :
ALS Vial : 30 Sample Multiplier: 1
Quant Time: Oct 14 13:29:33 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



001707

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : BS1013A.D
Acq On : 13 Oct 2014 20:03
Operator : DLV
Sample : BS
Misc :
ALS Vial : 30 Sample Multiplier: 1
Quant Time: Oct 14 13:29:33 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.260	96	621288	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	442424	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	211166	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.095	111	157117	38.21	ug/L	0.00
Spiked Amount 40.000			Recovery =	95.53%		
37) #1,2-Dichloroethane-d4	5.684	67	98077	38.42	ug/L	0.00
Spiked Amount 40.000			Recovery =	96.05%		
46) #Toluene-d8	8.648	98	603626	39.87	ug/L	0.00
Spiked Amount 40.000			Recovery =	99.67%		
64) #4-Bromofluorobenzene	12.083	95	220670	40.03	ug/L	0.00
Spiked Amount 40.000			Recovery =	100.08%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	139137	29.76	ug/L	97
3) chloromethane	1.190	50	222443	32.18	ug/L	99
4) vinyl chloride	1.260	62	222175	36.00	ug/L	100
5) bromomethane	1.484	94	135256	39.05	ug/L	98
6) chloroethane	1.560	64	136220	35.81	ug/L	100
7) dichlorofluoromethane	1.701	67	357720	38.28	ug/L	99
8) trichlorofluoromethane	1.743	101	275437	37.50	ug/L	100
9) ethyl ether	1.978	74	128538	39.30	ug/L	96
10) acrolein	2.078	56	44467	37.82	ug/L	97
11) 1,1,2-trichloro-1,2,2-...	2.160	101	157616	37.95	ug/L	98
12) 1,1-dichloroethene	2.154	96	165494	40.71	ug/L	97
13) acetone	2.213	43	79389	39.01	ug/L	97
14) iodomethane	2.278	142	216525	38.71	ug/L	99
15) carbon disulfide	2.331	76	385150	36.04	ug/L	100
16) methyl acetate	2.519	43	188406	40.95	ug/L	98
17) methylene chloride	2.601	49	251058	37.26	ug/L	96
18) acrylonitrile	2.872	53	103858	38.42	ug/L	98
19) trans-1,2-dichloroethene	2.884	96	178808	39.40	ug/L	99
20) methyl (tert) butyl ether	2.901	73	531283	40.41	ug/L	99
21) 1,1-dichloroethane	3.378	63	338238	38.28	ug/L	99
22) vinyl acetate	3.484	43	311331	36.59	ug/L	100
23) 2,2-dichloropropane	4.195	77	187792	35.54	ug/L	98
24) cis-1,2-dichloroethene	4.213	96	205619	39.48	ug/L	97
25) 2-butanone (MEK)	4.284	43	113256	42.64	ug/L	99
26) bromochloromethane	4.607	49	173620	37.43	ug/L	94
27) tetrahydrofuran	4.707	71	31011	42.04	ug/L	97
28) chloroform	4.795	83	339398	39.16	ug/L	99
30) 1,1,1-trichloroethane	5.078	97	260317	39.33	ug/L	97
31) cyclohexane	5.160	56	301375	38.41	ug/L	99
32) carbon tetrachloride	5.378	117	206042	39.20	ug/L	99
33) 1,1-dichloropropene	5.401	75	248621	40.02	ug/L	98
34) benzene	5.754	78	783291	40.03	ug/L	99
35) 1,2-dichloroethane	5.813	62	258316	38.01	ug/L	99
36) heptane	6.260	57	21099	No Calib	#	
38) trichloroethene	6.854	130	200735	42.29	ug/L	96

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101314\
Data File : BS1013A.D
Acq On : 13 Oct 2014 20:03
Operator : DLV
Sample : BS
Misc :
ALS Vial : 30 Sample Multiplier: 1
Quant Time: Oct 14 13:29:33 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	methylcyclohexane	7.119	83	285006	38.84	ug/L		97
40)	1,2-dichloropropane	7.189	63	208079	38.74	ug/L		100
41)	dibromomethane	7.360	93	134422	40.03	ug/L		98
42)	bromodichloromethane	7.642	83	238498	37.60	ug/L		98
43)	2-chloroethyl vinyl ether	8.154	63	37731	27.87	ug/L		97
44)	cis-1,3-dichloropropene	8.301	75	274075	39.17	ug/L		99
45)	4-methyl-2-pentanone (...	8.572	43	229608	43.00	ug/L		96
47)	toluene	8.736	91	834663	40.39	ug/L		99
48)	trans-1,3-dichloropropene	9.095	75	219407	38.83	ug/L		97
49)	1,1,2-trichloroethane	9.325	83	167505	38.65	ug/L		97
51)	tetrachloroethene	9.466	166	208585	40.17	ug/L		97
52)	1,3-dichloropropane	9.536	76	346281	40.26	ug/L		100
53)	2-hexanone (MBK)	9.719	43	164028	40.13	ug/L		98
54)	dibromochloromethane	9.819	129	189040	36.86	ug/L		98
55)	1,2-dibromoethane	9.930	109	184855	40.62	ug/L	#	100
56)	chlorobenzene	10.595	112	526439	40.95	ug/L		97
57)	1-chlorohexane	10.636	55	168353	37.82	ug/L		97
58)	1,1,1,2-tetrachloroethane	10.725	131	170467	38.73	ug/L		100
59)	ethylbenzene	10.772	91	914979	40.92	ug/L		99
60)	m+p-xylene	10.930	106	676682	82.15	ug/L		98
61)	o-xylene	11.424	106	336833	41.50	ug/L		98
62)	styrene	11.448	104	572158	41.65	ug/L		99
63)	bromoform	11.648	173	136901	38.30	ug/L		99
66)	isopropylbenzene	11.913	105	852424	39.31	ug/L		100
67)	bromobenzene	12.242	77	347825	36.51	ug/L		96
68)	1,1,2,2-tetrachloroethane	12.313	83	294834	41.35	ug/L	#	100
69)	1,2,3-trichloropropane	12.342	110	82012	42.03	ug/L		97
70)	1,4-dichloro-2-butene	12.389	53	56277	34.04	ug/L		96
71)	n-propylbenzene	12.430	120	219258	38.82	ug/L		100
72)	2-chlorotoluene	12.507	126	207852	38.92	ug/L		93
73)	1,3,5-trimethylbenzene	12.666	105	719659	40.46	ug/L		98
74)	4-chlorotoluene	12.648	91	691381	38.43	ug/L		97
75)	tert-butylbenzene	13.066	119	597419	40.28	ug/L		99
76)	1,2,4-trimethylbenzene	13.124	105	708568	42.45	ug/L		99
77)	sec-butylbenzene	13.342	105	855069	40.04	ug/L		99
78)	1,3-dichlorobenzene	13.436	146	395849	40.54	ug/L		98
79)	4-isopropyltoluene	13.536	119	698967	42.27	ug/L		99
80)	1,4-dichlorobenzene	13.554	146	393203	39.89	ug/L		100
81)	1,2-dichlorobenzene	14.007	146	387743	41.52	ug/L		100
82)	n-butylbenzene	14.048	91	570851	37.60	ug/L		99
83)	hexachloroethane	14.313	201	81427	37.07	ug/L		97
84)	1,2-dibromo-3-chloropr...	14.983	157	43761	41.42	ug/L		95
85)	1,2,4-trichlorobenzene	16.001	180	136787	38.91	ug/L		99
86)	hexachlorobutadiene	16.242	225	85576	40.80	ug/L		98
87)	naphthalene	16.289	128	293535	42.05	ug/L		99
88)	1,2,3-trichlorobenzene	16.595	180	118911	40.10	ug/L		98
89)	2-methylnaphthalene	17.689	142	60572	42.65	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

001799

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

QC Batch: 1411328

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1411328-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL
Sequence: 4J15036

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acetone	40.0	40.1	100	36 - 164	ug/kg wet
Benzene	40.0	38.6	97	77 - 121	ug/kg wet
Bromobenzene	40.0	35.8	89	78 - 121	ug/kg wet
Bromochloromethane	40.0	36.8	92	78 - 125	ug/kg wet
Bromodichloromethane	40.0	38.6	97	75 - 127	ug/kg wet
Bromoform	40.0	40.8	102	67 - 132	ug/kg wet
Bromomethane	40.0	38.3	96	53 - 143	ug/kg wet
n-Butylbenzene	40.0	39.2	98	70 - 128	ug/kg wet
sec-Butylbenzene	40.0	37.8	94	70 - 128	ug/kg wet
tert-Butylbenzene	40.0	35.8	90	73 - 125	ug/kg wet
Carbon Disulfide	40.0	38.7	97	63 - 132	ug/kg wet
Carbon Tetrachloride	40.0	40.4	101	70 - 135	ug/kg wet
Chlorobenzene	40.0	38.1	95	79 - 120	ug/kg wet
Chloroethane	40.0	37.3	93	59 - 139	ug/kg wet
Chloroform	40.0	37.1	93	78 - 123	ug/kg wet
Chloromethane	40.0	36.4	91	50 - 136	ug/kg wet
2-Chlorotoluene	40.0	37.5	94	75 - 122	ug/kg wet
4-Chlorotoluene	40.0	37.3	93	72 - 124	ug/kg wet
1,2-Dibromo-3-chloropropane	40.0	40.8	102	61 - 132	ug/kg wet
Dibromochloromethane	40.0	39.4	99	74 - 126	ug/kg wet
1,2-Dibromoethane	40.0	39.3	98	78 - 122	ug/kg wet
Dibromomethane	40.0	39.3	98	78 - 125	ug/kg wet
1,2-Dichlorobenzene	40.0	37.9	95	78 - 121	ug/kg wet
1,3-Dichlorobenzene	40.0	37.2	93	77 - 121	ug/kg wet
1,4-Dichlorobenzene	40.0	37.3	93	75 - 120	ug/kg wet
Dichlorodifluoromethane	40.0	38.5	96	29 - 149	ug/kg wet
1,1-Dichloroethane	40.0	37.8	95	76 - 125	ug/kg wet
1,2-Dichloroethane	40.0	38.2	95	73 - 128	ug/kg wet
1,1-Dichloroethene	40.0	37.9	95	70 - 131	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

QC Batch: 1411328

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1411328-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL
Sequence: 4J15036

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
cis-1,2-Dichloroethene	40.0	37.8	94	77 - 123	ug/kg wet
trans-1,2-Dichloroethene	40.0	36.6	92	74 - 125	ug/kg wet
1,2-Dichloropropane	40.0	38.0	95	76 - 123	ug/kg wet
1,3-Dichloropropane	40.0	38.6	97	77 - 121	ug/kg wet
2,2-Dichloropropane	40.0	38.2	96	67 - 133	ug/kg wet
1,1-Dichloropropene	40.0	37.9	95	76 - 125	ug/kg wet
cis-1,3-Dichloropropene	40.0	39.9	100	74 - 126	ug/kg wet
trans-1,3-Dichloropropene	40.0	39.8	100	71 - 130	ug/kg wet
Ethylbenzene	40.0	38.4	96	76 - 122	ug/kg wet
Hexachlorobutadiene	40.0	39.0	97	61 - 135	ug/kg wet
2-Hexanone	40.0	38.8	97	53 - 145	ug/kg wet
Isopropylbenzene	40.0	36.4	91	68 - 134	ug/kg wet
4-Isopropyltoluene	40.0	37.8	94	73 - 127	ug/kg wet
Methylene Chloride	40.0	45.4	114	70 - 128	ug/kg wet
2-Butanone (MEK)	40.0	36.5	91	51 - 148	ug/kg wet
4-Methyl-2-pentanone (MIBK)	40.0	37.5	94	65 - 135	ug/kg wet
Naphthalene	40.0	38.5	96	62 - 129	ug/kg wet
n-Propylbenzene	40.0	36.8	92	73 - 125	ug/kg wet
Styrene	40.0	39.7	99	76 - 124	ug/kg wet
1,1,1,2-Tetrachloroethane	40.0	39.1	98	78 - 125	ug/kg wet
1,1,2,2-Tetrachloroethane	40.0	36.1	90	70 - 124	ug/kg wet
Tetrachloroethene	40.0	37.8	95	73 - 128	ug/kg wet
Toluene	40.0	38.6	96	77 - 121	ug/kg wet
1,2,3-Trichlorobenzene	40.0	38.4	96	66 - 130	ug/kg wet
1,2,4-Trichlorobenzene	40.0	38.9	97	67 - 129	ug/kg wet
1,1,1-Trichloroethane	40.0	37.6	94	73 - 130	ug/kg wet
1,1,2-Trichloroethane	40.0	36.8	92	78 - 121	ug/kg wet
Trichloroethene	40.0	37.9	95	77 - 123	ug/kg wet
Trichlorofluoromethane	40.0	38.5	96	62 - 140	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8260C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

QC Batch: 1411328

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1411328-BS1
Preparation: 5035A Low Concentration - MS
Initial/Final: 5 grams / 5 mL
Sequence: 4J15036

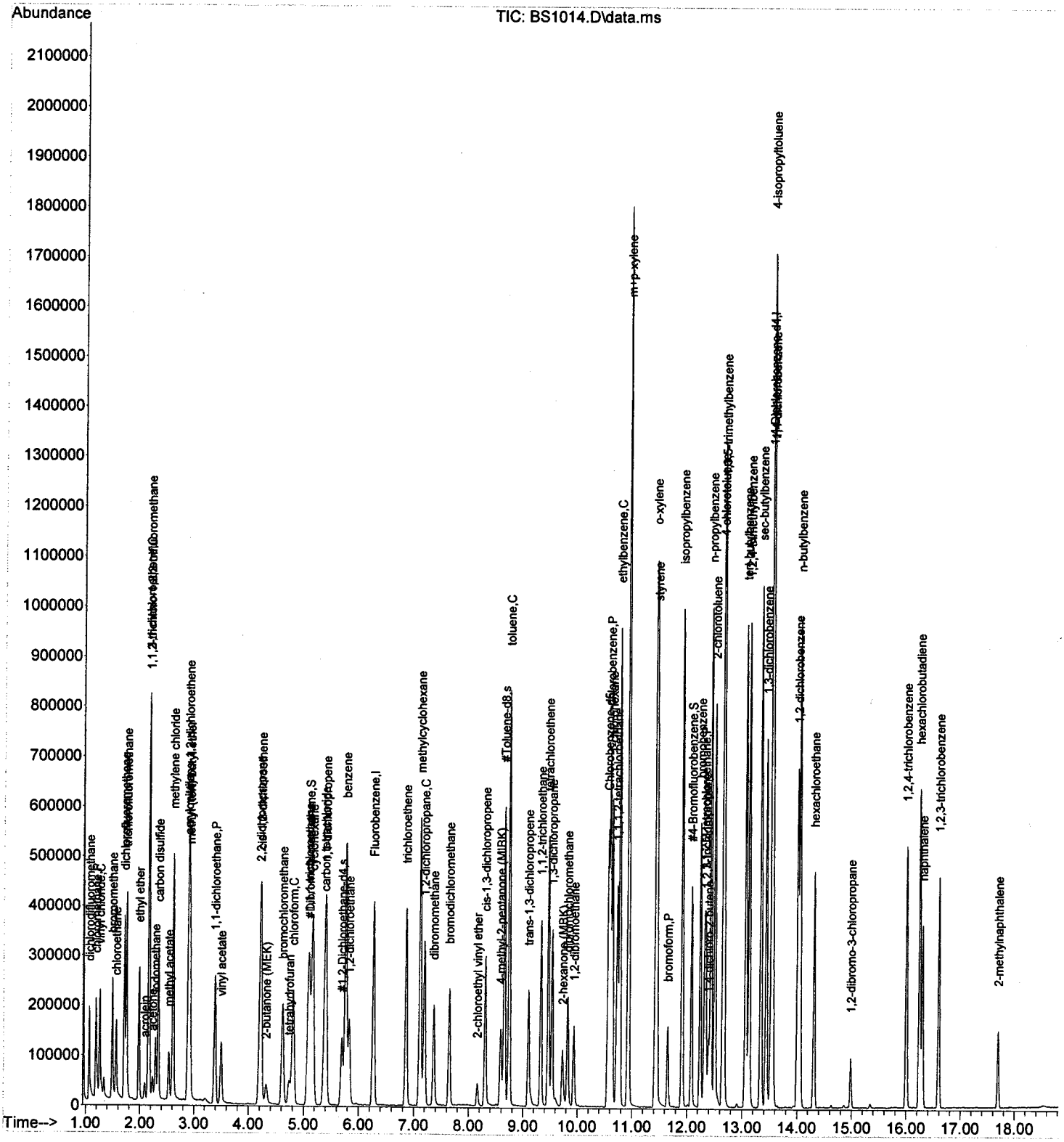
Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2,3-Trichloropropane	40.0	37.8	95	73 - 125	ug/kg wet
1,2,4-Trimethylbenzene	40.0	37.4	94	75 - 123	ug/kg wet
1,3,5-Trimethylbenzene	40.0	37.0	93	73 - 124	ug/kg wet
Vinyl Chloride	40.0	38.0	95	56 - 135	ug/kg wet
Xylene, Meta + Para	80.0	77.9	97	77 - 124	ug/kg wet
Xylene, Ortho	40.0	38.7	97	77 - 123	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : BS1014.D
Acq On : 14 Oct 2014 09:38
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 15 11:32:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : BS1014.D
Acq On : 14 Oct 2014 09:38
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 15 11:32:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.272	96	507089	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	355125	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.524	152	186295	40.00	ug/L	0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.107	111	125052	39.73	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.33%			
37) #1,2-Dichloroethane-d4	5.695	67	71488	38.67	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.67%			
46) #Toluene-d8	8.654	98	493666	40.26	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.65%			
64) #4-Bromofluorobenzene	12.083	95	176528	40.17	ug/L	0.00
Spiked Amount 40.000			Recovery = 100.43%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.066	85	180622	38.54	ug/L	98
3) chloromethane	1.190	50	236731	36.43	ug/L	100
4) vinyl chloride	1.260	62	224507	37.99	ug/L	99
5) bromomethane	1.490	94	139545	38.31	ug/L	99
6) chloroethane	1.560	64	125144	37.29	ug/L	98
7) dichlorofluoromethane	1.707	67	324676	37.92	ug/L	100
8) trichlorofluoromethane	1.749	101	273046	38.50	ug/L	100
9) ethyl ether	1.984	74	99139	36.84	ug/L	97
10) acrolein	2.090	56	29500	40.01	ug/L #	97
11) 1,1,2-trichloro-1,2,2-...	2.166	101	164445	37.77	ug/L	98
12) 1,1-dichloroethene	2.160	96	150725	37.86	ug/L	97
13) acetone	2.231	43	60901	40.11	ug/L	94
14) iodomethane	2.284	142	130367	35.24	ug/L	97
15) carbon disulfide	2.343	76	393566	38.69	ug/L	99
16) methyl acetate	2.531	43	129565	37.14	ug/L	100
17) methylene chloride	2.607	49	290324	45.42	ug/L	99
18) acrylonitrile	2.884	53	69450	39.03	ug/L	98
19) trans-1,2-dichloroethene	2.890	96	164800	36.65	ug/L	98
20) methyl (tert) butyl ether	2.919	73	413080	37.54	ug/L	100
21) 1,1-dichloroethane	3.390	63	299386	37.82	ug/L	99
22) vinyl acetate	3.501	43	239919	39.18	ug/L	98
23) 2,2-dichloropropane	4.207	77	178146	38.22	ug/L	99
24) cis-1,2-dichloroethene	4.225	96	178162	37.76	ug/L	98
25) 2-butanone (MEK)	4.319	43	72718	36.51	ug/L	98
26) bromochloromethane	4.619	49	140655	36.81	ug/L	98
27) tetrahydrofuran	4.737	71	19998	35.94	ug/L	97
28) chloroform	4.807	83	284121	37.06	ug/L	100
30) 1,1,1-trichloroethane	5.090	97	222315	37.57	ug/L	98
31) cyclohexane	5.166	56	293056	36.38	ug/L	98
32) carbon tetrachloride	5.384	117	184550	40.41	ug/L	99
33) 1,1-dichloropropene	5.407	75	234366	37.90	ug/L	98
34) benzene	5.766	78	680642	38.62	ug/L	99
35) 1,2-dichloroethane	5.825	62	200651	38.16	ug/L	99
36) heptane	5.960	57	1966	No Calib	#	
38) trichloroethene	6.860	130	177457	37.91	ug/L	97

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\101414\
Data File : BS1014.D
Acq On : 14 Oct 2014 09:38
Operator : DLV
Sample : BS
Misc :
ALS Vial : 3 Sample Multiplier: 1
Quant Time: Oct 15 11:32:42 2014
Quant Method : C:\gcms\1\methods\8260S-17C.M
Quant Title : 8260C : 5030 wtr
QLast Update : Wed Oct 08 12:51:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	7.119	83	304632	37.21 ug/L	98
40) 1,2-dichloropropane	7.195	63	171541	38.01 ug/L	98
41) dibromomethane	7.366	93	98203	39.31 ug/L	99
42) bromodichloromethane	7.648	83	190288	38.65 ug/L	100
43) 2-chloroethyl vinyl ether	8.160	63	25582	31.67 ug/L	95
44) cis-1,3-dichloropropene	8.307	75	219702	39.93 ug/L	97
45) 4-methyl-2-pentanone (...	8.584	43	145275	37.49 ug/L	97
47) toluene	8.742	91	732940	38.60 ug/L	99
48) trans-1,3-dichloropropene	9.101	75	165088	39.82 ug/L	100
49) 1,1,2-trichloroethane	9.331	83	120428	36.76 ug/L	98
51) tetrachloroethene	9.466	166	196424	37.84 ug/L	99
52) 1,3-dichloropropane	9.536	76	254571	38.65 ug/L	100
53) 2-hexanone (MBK)	9.731	43	110383	38.84 ug/L	98
54) dibromochloromethane	9.825	129	135886	39.41 ug/L	98
55) 1,2-dibromoethane	9.936	109	126048	39.33 ug/L #	100
56) chlorobenzene	10.595	112	455281	38.08 ug/L	99
57) 1-chlorohexane	10.636	55	171873	35.68 ug/L	97
58) 1,1,1,2-tetrachloroethane	10.725	131	138284	39.14 ug/L	99
59) ethylbenzene	10.772	91	819551	38.35 ug/L	100
60) m+p-xylene	10.930	106	612892	77.89 ug/L	98
61) o-xylene	11.430	106	288262	38.67 ug/L	100
62) styrene	11.454	104	496367	39.68 ug/L	100
63) bromoform	11.654	173	91143	40.75 ug/L	94
66) isopropylbenzene	11.913	105	784402	36.37 ug/L	99
67) bromobenzene	12.242	77	303234	35.76 ug/L	99
68) 1,1,2,2-tetrachloroethane	12.319	83	201003	36.08 ug/L #	98
69) 1,2,3-trichloropropane	12.342	110	55903	37.82 ug/L	97
70) 1,4-dichloro-2-butene	12.389	53	44155	35.95 ug/L	97
71) n-propylbenzene	12.436	120	213048	36.76 ug/L	99
72) 2-chlorotoluene	12.507	126	190736	37.52 ug/L	98
73) 1,3,5-trimethylbenzene	12.672	105	687243	37.03 ug/L	100
74) 4-chlorotoluene	12.648	91	654449	37.26 ug/L	100
75) tert-butylbenzene	13.066	119	571001	35.84 ug/L	100
76) 1,2,4-trimethylbenzene	13.124	105	673172	37.42 ug/L	99
77) sec-butylbenzene	13.342	105	894741	37.80 ug/L	98
78) 1,3-dichlorobenzene	13.436	146	377675	37.24 ug/L	99
79) 4-isopropyltoluene	13.536	119	743822	37.76 ug/L	99
80) 1,4-dichlorobenzene	13.554	146	378695	37.30 ug/L	98
81) 1,2-dichlorobenzene	14.007	146	350953	37.87 ug/L	99
82) n-butylbenzene	14.048	91	723668	39.19 ug/L	100
83) hexachloroethane	14.313	201	78776	36.64 ug/L	99
84) 1,2-dibromo-3-chloropr...	14.983	157	32605	40.82 ug/L	98
85) 1,2,4-trichlorobenzene	16.001	180	207510	38.92 ug/L	99
86) hexachlorobutadiene	16.242	225	148311	38.96 ug/L	99
87) naphthalene	16.295	128	348311	38.54 ug/L	100
88) 1,2,3-trichlorobenzene	16.595	180	175549	38.35 ug/L	99
89) 2-methylnaphthalene	17.695	142	85204	37.20 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

TRIMATRIX LABORATORIES

SECTION - C

PREPARATION LOGS / MISCELLANEOUS

USEPA-8260C

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

Volatiles MS, Soil, 5035A Low Concentration - MS

Surrogate #1 = 4070727 (Static)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4070727	8260B Static Surrogate 07-17-14	MeOH 38701	CJ-0680
4091367	8260B Working Std A 09-30-14	Solvent Lot #62345	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409384	8260C DoD VOAs plus custom	1409422	8260C DoD VOAs plus custom		

Balance ID: 204 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410493-BLK1		Sep-30-14 13:00	DLV	5	5	1				BLANK	
1410493-BS1		Sep-30-14 13:00	DLV	5	5	1		4091367	1	LCS	
1410493-MS1		Sep-30-14 13:00	DLV	5	5	1	1409422-07	4091367	1	MATRIX SPIKE	
1410493-MSD1		Sep-30-14 13:00	DLV	5	5	1	1409422-07	4091367	1	MATRIX SPIKE DUP	
1409384-02	C	Sep-30-14 13:00	DLV	4.5	5	1				AECOM - Alexandria, VA	
1409384-03	C	Sep-30-14 13:00	DLV	4.5	5	1				AECOM - Alexandria, VA	
1409384-05	C	Sep-30-14 13:00	DLV	4.7	5	1				AECOM - Alexandria, VA	
1409384-06	C	Sep-30-14 13:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409384-07	C	Sep-30-14 13:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409384-09	C	Sep-30-14 13:00	DLV	4.8	5	1				AECOM - Alexandria, VA	
1409422-01	C	Sep-30-14 13:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409422-02	C	Sep-30-14 13:00	DLV	4.7	5	1				AECOM - Alexandria, VA	
1409422-03	C	Sep-30-14 13:00	DLV	4.7	5	1				AECOM - Alexandria, VA	
1409422-04	C	Sep-30-14 13:00	DLV	5.2	5	1				AECOM - Alexandria, VA	
1409422-05	C	Sep-30-14 13:00	DLV	4.9	5	1				AECOM - Alexandria, VA	
1409422-06	C	Sep-30-14 13:00	DLV	4.5	5	1				AECOM - Alexandria, VA	
1409422-07	G	Sep-30-14 13:00	DLV	4.9	5	1				AECOM - Alexandria, VA	
1409422-08	C	Sep-30-14 13:00	DLV	4.9	5	1				AECOM - Alexandria, VA	
1409422-09	C	Sep-30-14 13:00	DLV	5.2	5	1				AECOM - Alexandria, VA	

Comments:

Analyst Initials:

001807

Volatiles MS, Soil, 5035A Low Concentration - MS

Surrogate #1 = 4070727 (Static)

Batch Comments: (none)

Balance ID: 204 **pH Meter:** none

Lab Number	*Contain*	*Prepared*	*By*	*Initial (grams)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1409422-10	C	Sep-30-14 13:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409422-11	C	Sep-30-14 13:00	DLV	3.8	5	1				AECOM - Alexandria, VA	

Comments:

Analyst Initials:

001808

Volatiles MS, Soil, 5035A Low Concentration - MS

Surrogate #1 = 4070727 (Static)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4070727	8260B Static Surrogate 07-17-14	MeOH 38701	CJ-0680
4091367	8260B Working Std A 09-30-14	Solvent Lot #62345	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409444	8260C DoD VOAs plus custom	1409479	8260C DoD VOAs plus custom		

Balance ID: 204 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410523-BLK1		Oct-01-14 08:00	DLV	5	5	1				BLANK	
1410523-BS1		Oct-01-14 08:00	DLV	5	5	1		4091367	1	LCS	
1409444-03	D	Oct-01-14 08:00	DLV	4.6	5	1				AECOM - Alexandria, VA	
1409444-04	D	Oct-01-14 08:00	DLV	5.2	5	1				AECOM - Alexandria, VA	
1409444-05	D	Oct-01-14 08:00	DLV	3.5	5	1				AECOM - Alexandria, VA	
1409444-06	D	Oct-01-14 08:00	DLV	4.8	5	1				AECOM - Alexandria, VA	
1409444-07	D	Oct-01-14 08:00	DLV	4.7	5	1				AECOM - Alexandria, VA	
1409444-08	D	Oct-01-14 08:00	DLV	5.2	5	1				AECOM - Alexandria, VA	
1409444-09	D	Oct-01-14 08:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409444-10	D	Oct-01-14 08:00	DLV	4.9	5	1				AECOM - Alexandria, VA	
1409444-11	D	Oct-01-14 08:00	DLV	4.8	5	1				AECOM - Alexandria, VA	
1409444-12	D	Oct-01-14 08:00	DLV	4.9	5	1				AECOM - Alexandria, VA	
1409479-01	D	Oct-01-14 08:00	DLV	4.9	5	1				AECOM - Alexandria, VA	
1409479-02	D	Oct-01-14 08:00	DLV	4.5	5	1				AECOM - Alexandria, VA	
1409479-03	D	Oct-01-14 08:00	DLV	4.7	5	1				AECOM - Alexandria, VA	
1409479-04	D	Oct-01-14 08:00	DLV	4.5	5	1				AECOM - Alexandria, VA	
1409479-05	D	Oct-01-14 08:00	DLV	4.7	5	1				AECOM - Alexandria, VA	
1409479-06	D	Oct-01-14 08:00	DLV	4.5	5	1				AECOM - Alexandria, VA	
1409479-08	D	Oct-01-14 08:00	DLV	4.8	5	1				AECOM - Alexandria, VA	

Comments:

Analyst Initials:

001809

Volatiles MS, Soil, 5035A Low Concentration - MS

Surrogate #1 = 4070727 (Static)

Batch Comments: (none)

Balance ID: 204 **pH Meter:** none

Lab Number	*Contain*	*Prepared*	*By*	*Initial (grams)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1409479-12	D	Oct-01-14 08:00	DLV	4.5	5	1				AECOM - Alexandria, VA	
1409479-13	D	Oct-01-14 08:00	DLV	4.7	5	1				AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Volatiles MS, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 4070727 (Static)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4070727	8260B Static Surrogate 07-17-14	MeOH 38701	CJ-0680
4091367	8260B Working Std A 09-30-14	Solvent Lot #62345	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409384	8260C DoD VOAs plus custom	1409422	8260C DoD VOAs plus custom	1409444	8260C DoD VOAs plus custom
1409479	8260C DoD VOAs plus custom	1409499	8260C DoD VOAs plus custom	1410014	8260C DoD VOAs plus custom
1410025	8260C DoD VOAs plus custom				

Balance ID: 204 **pH Meter:** none

Lab Number	*Contain*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1410719-BLK1		Oct-02-14 15:00	DLV	5	5	1				BLANK	
1410719-BS1		Oct-02-14 15:00	DLV	5	5	1		4091367	2	LCS	
1409384-01	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409384-04	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409384-08	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409422-12	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409422-13	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409444-01	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	Cooler #TM3200
1409444-02	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409479-07	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409479-09	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409479-10	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409479-11	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409499-01	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409499-06	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1409499-07	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1410014-09	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	

Comments:

Analyst Initials:

G01811

Volatiles MS, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 4070727 (Static)

Batch Comments: (none)

Balance ID: 204 **pH Meter:** none

Lab Number	*Contain*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1410014-10	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1410014-11	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	Cooler #TM2920
1410025-08	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1410025-09	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	
1410025-10	A	Oct-02-14 15:00	DLV	5	5	1				AECOM - Alexandria, VA	TM3228

Comments:

Analyst Initials:

601812

Volatiles MS, Soil, 5035A Low Concentration - MS

Surrogate #1 = 4070727 (Static)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4070727	8260B Static Surrogate 07-17-14	MeOH 38701	CJ-0680
4100372	8260B Working Std A 10-08-14	Solvent Lot #62345	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409479	8260C DoD VOAs plus custom				

Balance ID: 204 **pH Meter:** none

Lab Number	*Contain*	*Prepared*	*By*	*Initial (grams)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1410909-BLK1		Oct-08-14 08:00	DLV	5	5	1				BLANK	
1410909-BS1		Oct-08-14 08:00	DLV	5	5	1		4100372	1	LCS	
1409479-14	D	Oct-08-14 08:00	DLV	5.2	5	1				AECOM - Alexandria, VA	
1409479-15	D	Oct-08-14 08:00	DLV	4.6	5	1				AECOM - Alexandria, VA	
1409479-16	D	Oct-08-14 08:00	DLV	4.5	5	1				AECOM - Alexandria, VA	
1409479-17	D	Oct-08-14 08:00	DLV	5.1	5	1				AECOM - Alexandria, VA	
1409479-18	D	Oct-08-14 08:00	DLV	4.7	5	1				AECOM - Alexandria, VA	

Comments:

Analyst Initials:

001813

Volatiles MS, Soil, 5035A Low Concentration - MS

Surrogate #1 = 4070727 (Static)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4070727	8260B Static Surrogate 07-17-14	MeOH 38701	CJ-0680
4100372	8260B Working Std A 10-08-14	Solvent Lot #62345	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409499	8260C DoD VOAs plus custom	1410014	8260C DoD VOAs plus custom		

Balance ID: 204 **pH Meter:** none

Lab Number	*Contain*	*Prepared*	*By*	*Initial (grams)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1410976-BLK1		Oct-08-14 07:00	DLV	5	5	1				BLANK	
1410976-BS1		Oct-08-14 07:00	DLV	5	5	1		4100372	1	LCS	
1410976-MS1		Oct-08-14 07:00	DLV	5	5	1	1409499-08	4100372	1	MATRIX SPIKE	
1410976-MSD1		Oct-08-14 07:00	DLV	5	5	1	1409499-08	4100372	1	MATRIX SPIKE DUP	
1409499-02	D	Oct-08-14 07:00	DLV	5.9	5	1				AECOM - Alexandria, VA	
1409499-03	E	Oct-08-14 07:00	DLV	5.1	5	1				AECOM - Alexandria, VA	
1409499-04	E	Oct-08-14 07:00	DLV	4.7	5	1				AECOM - Alexandria, VA	
1409499-05	E	Oct-08-14 07:00	DLV	4.7	5	1				AECOM - Alexandria, VA	
1409499-08	J	Oct-08-14 07:00	DLV	4.7	5	1				AECOM - Alexandria, VA	
1409499-09	E	Oct-08-14 07:00	DLV	4.6	5	1				AECOM - Alexandria, VA	
1409499-10	E	Oct-08-14 07:00	DLV	4.6	5	1				AECOM - Alexandria, VA	
1409499-11	E	Oct-08-14 07:00	DLV	4.8	5	1				AECOM - Alexandria, VA	
1410014-01	D	Oct-08-14 07:00	DLV	4.9	5	1				AECOM - Alexandria, VA	
1410014-02	D	Oct-08-14 07:00	DLV	4.6	5	1				AECOM - Alexandria, VA	
1410014-03	D	Oct-08-14 07:00	DLV	4.3	5	1				AECOM - Alexandria, VA	
1410014-04	D	Oct-08-14 07:00	DLV	4.3	5	1				AECOM - Alexandria, VA	
1410014-05	E	Oct-08-14 07:00	DLV	4.7	5	1				AECOM - Alexandria, VA	
1410014-06	D	Oct-08-14 07:00	DLV	4.1	5	1				AECOM - Alexandria, VA	
1410014-07	E	Oct-08-14 07:00	DLV	4.2	5	1				AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Q1814

Volatiles MS, Soil, 5035A Low Concentration - MS

Surrogate #1 = 4070727 (Static)

Batch Comments: (none)

Balance ID: 204 **pH Meter:** none

Lab Number	*Contain*	*Prepared*	*By*	*Initial (grams)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1410014-08	D	Oct-08-14 07:00	DLV	3.9	5	1				AECOM - Alexandria, VA	

Comments:

Analyst Initials:

601815

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1411044

Printed: 10/21/2014 1:09:20PM

Volatiles MS, Soil, 5035A Low Concentration - MS

Surrogate #1 = 4070727 (Static)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4070727	8260B Static Surrogate 07-17-14	MeOH 38701	CJ-0680
4100372	8260B Working Std A 10-08-14	Solvent Lot #62345	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1410025	8260C DoD VOAs plus custom	1410085	8260C DoD VOAs plus custom		

Balance ID: 204 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1411044-BLK1		Oct-10-14 07:00	DLV	5	5	1				BLANK	
1411044-BS1		Oct-10-14 07:00	DLV	5	5	1		4100372	1	LCS	
1410025-01	E	Oct-10-14 07:00	DLV	5	5	1				AECOM - Alexandria, VA	
1410025-02	D	Oct-10-14 07:00	DLV	3.9	5	1				AECOM - Alexandria, VA	
1410025-03	E	Oct-10-14 07:00	DLV	3.1	5	1				AECOM - Alexandria, VA	
1410025-04	E	Oct-10-14 07:00	DLV	4.1	5	1				AECOM - Alexandria, VA	
1410025-05	D	Oct-10-14 07:00	DLV	4.1	5	1				AECOM - Alexandria, VA	
1410025-06	D	Oct-10-14 07:00	DLV	4.3	5	1				AECOM - Alexandria, VA	
1410025-07	D	Oct-10-14 07:00	DLV	4.7	5	1				AECOM - Alexandria, VA	
1410085-01	D	Oct-10-14 07:00	DLV	4.4	5	1				AECOM - Alexandria, VA	
1410085-02	E	Oct-10-14 07:00	DLV	5	5	1				AECOM - Alexandria, VA	
1410085-04	E	Oct-10-14 07:00	DLV	4.2	5	1				AECOM - Alexandria, VA	
1410085-05	E	Oct-10-14 07:00	DLV	3.8	5	1				AECOM - Alexandria, VA	
1410085-06	E	Oct-10-14 07:00	DLV	4.2	5	1				AECOM - Alexandria, VA	
1410085-08	D	Oct-10-14 07:00	DLV	4.6	5	1				AECOM - Alexandria, VA	
1410085-09	D	Oct-10-14 07:00	DLV	4	5	1				AECOM - Alexandria, VA	

Comments:

Analyst Initials:

601816

Volatiles MS, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 4070727 (Static)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4070727	8260B Static Surrogate 07-17-14	MeOH 38701	CJ-0680
4100372	8260B Working Std A 10-08-14	Solvent Lot #62345	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1410085	8260C DoD VOAs plus custom				

Balance ID: 204 **pH Meter:** none

Lab Number	*Contain*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1411272-BLK1		Oct-13-14 19:00	DLV	5	5	1				BLANK	
1411272-BS1		Oct-13-14 19:00	DLV	5	5	1		4100372	2	LCS	
1410085-03	A	Oct-13-14 19:00	DLV	5	5	1				AECOM - Alexandria, VA	
1410085-07	A	Oct-13-14 19:00	DLV	5	5	1				AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Volatiles MS, Soil, 5035A Low Concentration - MS

Surrogate #1 = 4070727 (Static)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4070727	8260B Static Surrogate 07-17-14	MeOH 38701	CJ-0680
4100372	8260B Working Std A 10-08-14	Solvent Lot #62345	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1410085	8260C DoD VOAs plus custom				

Balance ID: 204 **pH Meter:** none

Lab Number	*Contain*	*Prepared*	*By*	*Initial (grams)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1411328-BLK1		Oct-14-14 08:00	DLV	5	5	1				BLANK	
1411328-BS1		Oct-14-14 08:00	DLV	5	5	1		4100372	2	LCS	
1410085-01RE1	E	Oct-14-14 08:00	DLV	4.6	5	1				AECOM - Alexandria, VA	From 1411044 by DLV on Oct-15-14

Comments:

Analyst Initials:

001818

Volatiles MS, Soil, Sep-30-14

Instrument= 350, Calibration = 4J01002

Sequence Analyses:
8260C DoD VOAs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J01003-TUN1	QC		4070715	4091066	MS TUNE	
4J01003-CCV1	QC		4100005	4091066	CALIBRATION CHECK	
1410493-BS1	QC			4091066	LCS	
1410493-MS1	QC			4091066	MATRIX SPIKE	
1410493-MSD1	QC			4091066	MATRIX SPIKE DUP	
1410493-BLK1	QC			4091066	BLANK	
1409422-07	8260C DoD VOAs plus custom	G		4091066	AECOM - Alexandria, VA	
1409384-02	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409384-03	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409384-05	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409384-06	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409384-07	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409384-09	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409422-01	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409422-02	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409422-03	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409422-04	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409422-05	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409422-06	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409422-08	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409422-09	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409422-10	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	
1409422-11	8260C DoD VOAs plus custom	C		4091066	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Volatiles MS, Soil, Oct-01-14

Instrument= 350, Calibration = 4J01002

Sequence Analyses:
8260C DoD VOAs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J01040-TUN1	QC		4070715	4091066	MS TUNE	
4J01040-CCV1	QC		4100005	4091066	CALIBRATION CHECK	
1410523-BS1	QC			4091066	LCS	
1410523-BLK1	QC			4091066	BLANK	
1409444-03	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409444-04	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409444-05	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409444-06	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409444-07	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409444-08	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409444-09	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409444-10	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409444-11	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409444-12	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-01	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-02	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-03	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-04	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-05	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-06	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-08	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-12	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-13	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Volatiles MS, Water, Oct-02-14

Instrument= 350, Calibration = 4J02011

Sequence Analyses:
8260C DoD VOAs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J04001-TUN1	QC		4070715		MS TUNE	
4J04001-CCV1	QC		4100006	4091066	CALIBRATION CHECK	
1410719-BS1	QC			4091066	LCS	
1410719-BLK1	QC			4091066	BLANK	
1409384-01	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1409384-04	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1409384-08	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1409422-12	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1409422-13	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1409444-01	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	Cooler #TM3200
1409444-02	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1409479-07	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1409479-09	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1409479-10	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1409479-11	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1409499-01	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1409499-06	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1409499-07	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1410014-09	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1410014-10	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1410014-11	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	Cooler #TM2920
1410025-08	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1410025-09	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1410025-10	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	TM3228

Comments:

Analyst Initials:

Volatiles MS, Soil, Oct-08-14

Instrument= 350, Calibration = 4J08013

Sequence Analyses:
8260C DoD VOAs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J08061-TUN1	QC		4070715	4091066	MS TUNE	
4J08061-CCV1	QC		4100376	4091066	CALIBRATION CHECK	
1410909-BS1	QC			4091066	LCS	
1410909-BLK1	QC			4091066	BLANK	
1409479-14	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-15	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-16	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-17	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409479-18	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Volatiles MS, Soil, Oct-09-14

Instrument= 350, Calibration = 4J08013

Sequence Analyses:
8260C DoD VOAs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J09046-TUN1	QC		4070715	4091066	MS TUNE	
4J09046-CCV1	QC		4100376	4091066	CALIBRATION CHECK	
1410976-BS1	QC			4091066	LCS	
1410976-MS1	QC			4091066	MATRIX SPIKE	
1410976-MSD1	QC			4091066	MATRIX SPIKE DUP	
1410976-BLK1	QC			4091066	BLANK	
1409499-02	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1409499-03	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1409499-04	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1409499-05	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1409499-08	8260C DoD VOAs plus custom	J		4091066	AECOM - Alexandria, VA	
1409499-09	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1409499-10	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1409499-11	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1410014-01	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1410014-02	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1410014-03	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1410014-04	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1410014-05	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1410014-06	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1410014-07	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1410014-08	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Volatiles MS, Soil, Oct-10-14

Instrument= 350, Calibration = 4J08013

Sequence Analyses:
8260C DoD VOAs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J10037-TUN1	QC		4070715	4091066	MS TUNE	
4J10037-CCV1	QC		4100376	4091066	CALIBRATION CHECK	
1411044-BS1	QC			4091066	LCS	
1411044-BLK1	QC			4091066	BLANK	
1410025-01	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1410025-02	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1410025-03	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1410025-04	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1410025-05	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1410025-06	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1410025-07	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1410085-01	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1410085-05	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1410085-06	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1410085-08	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	
1410085-04	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1410085-02	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	
1410085-09	8260C DoD VOAs plus custom	D		4091066	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Volatiles MS, Water, Oct-13-14

Instrument= 350, Calibration = 4J02011

Sequence Analyses:
8260C DoD VOAs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J14046-TUN1	QC		4100538	4091066	MS TUNE	
4J14046-CCV1	QC		4100377	4091066	CALIBRATION CHECK	
1411272-BS1	QC			4091066	LCS	
1411272-BLK1	QC			4091066	BLANK	
1410085-07	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	
1410085-03	8260C DoD VOAs plus custom	A		4091066	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Volatiles MS, Soil, Oct-14-14

Instrument= 350, Calibration = 4J08013

Sequence Analyses:
8260C DoD VOAs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J15036-TUN1	QC		4100538	4091066	MS TUNE	
4J15036-CCV1	QC		4100377	4091066	CALIBRATION CHECK	
1411328-BS1	QC			4091066	LCS	
1411328-BLK1	QC			4091066	BLANK	
1410085-01RE1	8260C DoD VOAs plus custom	E		4091066	AECOM - Alexandria, VA	From 1411044 by DLV on Oct-15-14

Comments:

Analyst Initials:

TRIMATRIX LABORATORIES

Instrument Number:	350	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	40° C for 5 minutes	Curve Date:	9-30-14
Column Installation Date:	6/1/2013	Scan Range:	35-300	Step #2	12° C/minute to 200° C, hold for 0.5 minute	IS/SS Std.:	4091066
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	4091367
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	4091368

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
9-30-14	DW	8260	25	50			8:40		BFB0930		
							8:56		RI		
			1	100			9:19		1P0930		
			5	100			9:43		5P0930		
			5	50			10:06		10P0930		
			10				10:30		20P0930		
			20				10:53		40P0930		
			50				11:17		100P0930		
							11:40		R2		
			100	50			12:04		200P0930		
			40	50			12:27	Ketones only	400P0930		
							12:51		SCV0930		
		8260C	25	50			13:59	QC	BFB0930A		
			20	100			14:15		CCV0930A		
			20	100			15:00		BS0930A		
							15:26	Accom 1	1409422-07MS		
							15:49		07MSD		
							16:12		B1		
							16:35		B2		
							16:59		BLK0930A		

001827

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
9-30-14	DLV	8260C					17:32	AECOM	1409422-07		LL Soil
							17:46		1409384-02		
							18:09		03		
							18:33		05		
							18:56		06		
							19:20		07		
							19:43		09		
							20:07		1409422-01		
							20:30		02		
							20:54		03		
							21:17		04		
							21:41		05		
							22:04		06		
							22:28		08		
							22:51		09		
							23:15		10		
							23:38		11		
											DW 10-1-14

001828

TRIMATRIX LABORATORIES

Instrument Number:	350	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	40° C for 5 minutes	Curve Date:	9-30-14
Column Installation Date:	6/1/2013	Scan Range:	35-300	Step #2	12° C/minute to 200° C, hold for 0.5 minute	IS/SS Std.:	4091066
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	4091367
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
10-1-14	DLJ	8260C	25	50			8:55	QC	BFB1001		
			20	100			9:12		CCV1001		
			1	1			9:39		BS1001		
							10105		B		
							10:29		BLK1001		
					4J01040/1410523		10:52	AECOM	1409444-03		LCSO1
							11:16		04		
							11:39		05		
							12:03		06		
							12:26		07		
							12:49		08		
							13:13		09		
							13:36		10		
							14:00		11		
							14:23		12		
							14:47		1409479-01		
							15:10		02		
							15:34		03		
							15:57		04		
							16:21		05~~06~~	DW 10/2/14	
							1644		06		

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
10-1-14	DW	8260C					17:08	AECOM	1409499-08		LLsol
							17:31		12		
							17:55		13		
		8260B					18:18	[redacted]	1410606-61		
							19:25	QC	BFB1001B		
							20:17		CCV1001B		
							20:40		BS1001B		
							21:04		BI		
							21:27		BLK1001B		
							21:51	AECOM	1409432-02		LLsol
							22:14		03		
					S4; IS3		22:38		04		
							23:01		05		
							23:25		06		
					S4		23:48		07		
10-2-14							00:12		1409454-02		
							00:35		03		
							00:59		04		
							1:22		05		
							1:46		06		
					S4; IS3		2:09		1409455-02		
							2:33		03		
					S4		2:56		04		
							3:20		05		
							3:43		06		
											DW 10-2-14

001830

TRIMATRIX LABORATORIES

Instrument Number:	350	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	40° C for 5 minutes	Curve Date:	10-2-14
Column Installation Date:	6/1/2013	Scan Range:	35-300	Step #2	12° C/minute to 200° C, hold for 0.5 minute	IS/SS Std.:	4091046
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	4091367
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	4100064

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
10-2-14	DW	8260	25	50			7:41		BFB1002		
			1	200			8:10		0.5P1002		
			1	100			8:36		1P1002		
			5	100			9:02		5P1002		
			5	50			9:28		10P1002		
			10				9:54		20P1002		
			20				10:20		40P1002		
			50				10:46		100P1002		
							11:12		R1		
			100	50			11:38		200P1002		
							12:04		R2		
			40	100			12:30		SCV1002		
			5	100			12:56		52ISCV		
							13:22		R3		
							13:48		R4		
							14:14		BLK1002		
					1410706	✓	14:40	[redacted]	1409448-28		WTV
						✓	15:06		1409501-04		
						✓	15:32		1409507-12		
						✓	15:58	[redacted]	1409514-22		

001831

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
10-2-14	DW	8260B				✓	1624	[redacted]	1409514-23		WW
						✓	1650		1410006-02		
		5242				✓	1716		1409451-01		
						✓	1742		1409452-01		
						✓	1808		1409453-01		
						✓	1834		45301 Dup		
		8260C	25	50			1926	QC	BFB1002A		
			20				1953		CCV1002A		
			20				2019		BS1002A		
							2045		BA		
							2111		BLK1002A		
						✓	2137	AECOM	1409384-01		WW
						✓	2203		04		
						✓	2229		08		
						✓	2255		1409422-12		
						✓	2321		13		
						✓	2347		1409444-01		
10-3-14					DW 10/7/14 ~~7.5x~~	✓	0014		02		
					MW	✓	0040		1409479-07		
						✓	106		09		
						✓	132		10		
						✓	158		11		
						✓	224		1409499-01		
						✓	250		06		
						✓	316		07		
						✓	342		1410014-09		
						✓	408		10		
						✓	434		11		
						✓	500		~~1410~~ 1410025-08		
						✓	524		09		
						✓	553		10		

001832

TRIMATRIX LABORATORIES

Instrument Number:	350	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	40° C for 5 minutes	Curve Date:	10-8-14
Column Installation Date:	6/1/2013	Scan Range:	35-300	Step #2	12° C/minute to 200° C, hold for 0.5 minute	IS/SS Std.:	4091066
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	4100372
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	4100239

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
10-8-14	DW	8260	25	50			9:01		RFB1008		
							9:13		R1		
			1	100			9:36		IP1008		
			5	100			10:00		SP1008		
			5	50			10:23		10P1008		
			10				10:47		20P1008		
			20				11:10		40P1008		
			50				11:34		100P1008		
							11:57		R2		
			100	50			12:21		200P1008		
							12:44		R3		
			20	50			13:08		SCV1008		
			10	50			13:31		BS1008		
							13:55		B1		
							14:18		BLK1008		
		8260C					14:42	Recom	1409479-14		Usual
							15:05		15		
							15:29		16		
							15:52		17		
							16:15		18		
		8260B					16:39		1409498-06		
							17:02		06MS		
							17:26		06MSD		

001833

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
10-8-14	DW	8260B	25	50			18:32	QC	BFB1008A		
			20	100			19:00		CCV1008A		
			20	100			19:24		BS1008A		
							19:47		BA		
							20:11		BLK1008A		
					run HL		20:34	AECOM	1409503-02		LL soil
					run HL		20:58		03		
							21:21		04		
							21:45		05		
							22:08		06		
							22:31		07		
							22:55		1410021-01		
							23:18		02		
							23:42		03		
10-9-14							00:05		04		
							00:29		05		
							00:52		06		
							1:16		07		
							1:39		08		
							2:03		09		
							2:26		1410053-01		
							2:50		02		
							3:13		03		
							3:37		04		
							4:00		1410021-10		
							4:23		BA2		

001834

TRIMATRIX LABORATORIES

Instrument Number:	350	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	40° C for 5 minutes	Curve Date:	10-8-14
Column Installation Date:	6/1/2013	Scan Range:	35-300	Step #2	12° C/minute to 200° C, hold for 0.5 minute	IS/SS Std.:	4091066
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	4100372
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
10-9-14	DLV	8260C	25	50			7:28	QC	BFB1009		
			20	100			7:59		CCV1009		
			20	100			8:17		BS1009		
							8:41	AECOM	1409499-08MS		
							9:05	1	" 08MSD		
							9:29		B		
							9:52		BLK1009		
							10:16	AECOM	1409499-02		Liso.
							10:39		03		
							11:03		04		
							11:26		05		
							11:50		08		
							12:13		09		
							12:37		10		
							13:00		11		
							13:24		1410014-01		
							13:47		02		
							14:10		03		
							14:34		04		
							14:57		05		
							15:21		06		
							15:44		07		
							16:08		08		

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
10-9-14	DLW	8260B	25	50			17:14	QC	BFB100908		
			10	100			17:41		CCV100908		
			25	100			18:05		BS100808		
							18:29	AECOM	1410052-09MS		
							18:53		09MSD		
							19:16		11MS		
							19:40		11MSD		
							20:03		01		
							20:27		BLK100908		
							20:50	AECOM	1410052-04		Usoil
							21:13		05		
							21:37		06		
							22:00		07		
							22:24		08		
							22:47		09		
							23:11		10		
							23:34		11		
							23:58		12		
10-10-14							00:21		13		
							00:45		14		
							1:08		15		
							1:31		18		
							1:55		01		
							2:18		02		
							2:42		03		
							3:05		16		
							3:29		17		

001836

TRIMATRIX LABORATORIES

Instrument Number:	350	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	40° C for 5 minutes	Curve Date:	10-8-14
Column Installation Date:	6/1/2013	Scan Range:	35-300	Step #2	12° C/minute to 200° C, hold for 0.5 minute	IS/SS Std.:	4091066
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	4100372
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
10/10/14	DLV	8260C	25	50			7:28	QC	BFB1010		
			20	~~50~~ 100	DW 10/10/14		7:56		LCV1010		
			20	1			8:19		LCV1010A		
			20				8:43		BS1010A		
							9:06		B		
							9:30		BLK1010A		
					All wgt. ok		9:53	AECOM	1410025-01		LLSoil
							10:16		02		
							10:39		03		
							11:01		04		
							11:24		05		
							11:46		06		
							12:09		07		
							12:31	1410085-01	1410085-01		
					Carryover - W		12:54	02	02		
					carryover - W		13:16	04	~~0403~~	DW 10/10/14	
							13:39	05	~~0504~~		
							14:01	06	0605		
							14:24	08	~~0806~~		
							14:46	04A	04A ~~0407~~		
							15:09	02A	~~02A~~ 02A	DW 10/10/14	
							15:31	09	1410085-09		

001837

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
10-10-14	DLJ	8260B	25	50			16:37	QC	BFB1010B		
			20	50			17:05		CCV1010B		
			20	1			17:27		BS1010B		
							17:49		B1		
							18:12		B2		
							18:34		BLK1010B		
							18:57	AECOM	1410087-01		Usoil
							19:19		02		
							19:42		03		
							20:04		04		
							20:27		05		
							20:49		06		
							21:12		07		
							21:34		08		
							~~21:57~~ ~~00:56~~	DLJ 10/11/14	11		
							22:19		12		
							22:42		13		
							23:04		14		
							~~23:27~~ ~~23:49~~		15		
							23:49 ~~00:12~~	DLJ 10/11/14	16		
							00:12		17		
							00:34		18		
							00:56		09		
							1:19		10		
											DLJ 10-11-14

001838

TRIMATRIX LABORATORIES

Instrument Number:	350	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	40° C for 5 minutes	Curve Date:	10-2-14
Column Installation Date:	6/1/2013	Scan Range:	35-300	Step #2	12° C/minute to 200° C, hold for 0.5 minute	IS/SS Std.:	4091066
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	4100372
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
10-13-14	DW	8260 B	25	50			7:00	QC	BFB 1013		
			20				7:28		CCV1013		
			20				7:54		BS1013		
							8:20		B		
							8:46		BLK1013		
							9:12	[redacted]	1410082-27		Hi Soil
							9:38		28		
							10:04		13		
							10:30	[redacted]	1410091-01		
							10:56		02		
							11:22		03		
							11:49		04		
							12:15		05		
					w 50x		12:41	[redacted]	1410027-02	20x	
					w str		13:07		1410043-01	25x	
					w 2.5x		13:33	[redacted]	1410116-01		
					w str		13:59		02		
							14:25		03		
					w 5x		14:51		1410214-01		
							15:17	[redacted]	08227MS		
							15:43		08227MSD		

001839

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
10-13-14	DW	8260B					16:09	[redacted]	08228MS		
							16:35		08228MSD		
							17:01		08213MS		
							17:27		08213MSD		
							17:53		~~R1~~ R2		
		8260B/C					18:19				
							19:11	QC	BFB1013A		
							19:37		CCV1013A		
							20:03		BS1013A		
							20:29		OXY1013A		
		8260B					20:55		BLK1013A		
		8260C					21:21	[redacted]	1410068-13		~~H2SO4~~ wtr
						✓	21:47	AECOM	1410085-07		wtr DW 10/14/14
		8260B				✓	22:14	1	03		
							22:40	[redacted]	1410043-01A		HLSoil
							23:06	1	1410027-02A	50x	
							23:32	[redacted]	1410068-01		
							23:58		02		
10-14-14							00:24		03		
							00:50		04		
							1:16		06		
							1:43		07		
							~~2:09~~ 2:35		08		
									09		
							3:01		10		
							3:27		11		
							3:53		12		
							4:19	[redacted]	1410116-01A	2.5x	
							4:45	1	02A		
							5:11	[redacted]	04301MS		
							5:37	1	04301MSD		
							6:04	[redacted]	06801MS		
							6:29	1	06801MSD		

TRIMATRIX LABORATORIES

Instrument Number:	350	Acquisition Information		Temperature Program		Standard Information	
Column Type:	DB-624	Multiplier Voltage:		Step #1	40° C for 5 minutes	Curve Date:	10-8-14
Column Installation Date:	6/1/2013	Scan Range:	35-300	Step #2	12° C/minute to 200° C, hold for 0.5 minute	IS/SS Std.:	4091066
Injector Temperature:	200° C	Scan Rate:		Step #3		Working Std:	4160372
Detector Temperature:	230° C	Filament Delay:		Step #4		App. IX Std:	
Purge Flow (mL/min):		Quantitation Method:		Step #5		LCS Std:	

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
			uL Used	Final Vol. (mL)							
10-14-14	DW	8260B	25	50			8:49	QC	BFB1014		
			20				9:15		CCV1014		
			20				9:38		BS1014		
							10:01		B		
							10:23		BLK1014		
							10:46	AECOM	1410088-04		LL Soil
							11:08		05		
							11:31		06		
							11:53		1410093-08		
							12:16		09		
							12:38		10		
							13:01		1410107-01		
							13:23		02		
							13:46		03		
							14:08		04		
							14:31		05		
							14:53		06		
							15:16		07		
							15:38		08		
							16:01		1410101-02		
							16:23		03		

001841

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acquisition Time	Client	Sample ID	Dilution	Matrix
10-14-14	DLJ	8260B					16:46	AECOM	1410101-04		LLSol
							17:08		05		
							17:31		06		
		8260C					17:53		1410085-01		
		8260B			Do not report		18:16		09309 MS		
							18:38		MSD		
			25	50			19:44	QC	BFB 1014A		
			20				20:10		CCV 1014A		
			20				20:36		BS 1014A		
							21:02		BA		
							21:28		BLK 1014A		
							21:54	[redacted]	1410164-01		HLSol
							22:20		02		
							22:46		03		
							23:12		04		
							23:39		05		
10-15-14							00:05		06		
							00:31		07		
							00:57		08		
							1:23		09		
							1:49		10		
							2:15		11		
							2:41		12		
							3:07		13		
							3:33		14		
							3:59		15		
							4:25	[redacted]	1410116-02A		
							4:51		01A	2.5x	
							5:17		1410214-03A	5x	
					R 100x		5:44	[redacted]	1410083-03	500x	
					R 100x		6:10		04	500x	
							6:36	[redacted]	16415 MS		
							7:02		16415 MSD		

001842

TriMatrix Laboratories, Inc.

Volatile Empty Vial Sample Weight Determination

Client: AECOM Analyst: DLV Reviewed By: KEW

Sample ID	Date Collected	Time Collected (am/pm)	Date Placed in Freezer	Time Placed in Freezer (am/pm)	Placed in Freezer within 48 Hours from Collection?	Empty Vial Weight (g)	Full Vial Weight (g)	Sample Weight (g)
1409384-02C	09/22/14	NA	NA	NA	#VALUE!	33.2	37.7	4.5
1409384-02D	09/22/14	NA	NA	NA	#VALUE!	33.2	37.9	4.8
1409384-03C	09/22/14	NA	NA	NA	#VALUE!	33.4	37.8	4.5
1409384-03D	09/22/14	NA	NA	NA	#VALUE!	33.3	38.8	5.5
1409384-05C	09/22/14	NA	NA	NA	#VALUE!	33.1	37.8	4.7
1409384-05D	09/22/14	NA	NA	NA	#VALUE!	33.2	38.1	5.0
1409384-06C	09/22/14	NA	NA	NA	#VALUE!	33.2	38.2	5.0
1409384-06D	09/22/14	NA	NA	NA	#VALUE!	33.2	38.1	4.9
1409384-07C	09/22/14	NA	NA	NA	#VALUE!	33.3	38.3	5.0
1409384-07D	09/22/14	NA	NA	NA	#VALUE!	33.2	38.3	5.1
1409384-09C	09/22/14	NA	NA	NA	#VALUE!	33.1	37.9	4.8
1409384-09D	09/22/14	NA	NA	NA	#VALUE!	33.5	38.5	5.0

001843

TriMatrix Laboratories, Inc.

Volatile Empty Vial Sample Weight Determination

Client: AECOM **Analyst:** DLV **Reviewed By:** JEW

Sample ID	Date Collected	Time Collected (am/pm)	Date Placed in Freezer	Time Placed in Freezer (am/pm)	Placed in Freezer within 48 Hours from Collection?	Empty Vial Weight (g)	Full Vial Weight (g)	Sample Weight (g)
1409422-01C	09/23/14	NA	NA	NA	#VALUE!	33.3	38.3	5.0
1409422-01D	09/23/14	NA	NA	NA	#VALUE!	33.3	38.4	5.2
1409422-02C	09/23/14	NA	NA	NA	#VALUE!	33.1	37.8	4.7
1409422-02D	09/23/14	NA	NA	NA	#VALUE!	33.3	37.9	4.6
1409422-03C	09/23/14	NA	NA	NA	#VALUE!	33.0	37.7	4.7
1409422-03D	09/23/14	NA	NA	NA	#VALUE!	32.8	37.8	5.0
1409422-04C	09/23/14	NA	NA	NA	#VALUE!	33.1	38.3	5.2
1409422-04D	09/23/14	NA	NA	NA	#VALUE!	33.1	38.2	5.1
1409422-05C	09/23/14	NA	NA	NA	#VALUE!	33.3	38.2	4.9
1409422-05D	09/23/14	NA	NA	NA	#VALUE!	33.3	37.9	4.6
1409422-06C	09/23/14	NA	NA	NA	#VALUE!	33.3	37.8	4.5
1409422-06D	09/23/14	NA	NA	NA	#VALUE!	33.1	38.1	5.0
1409422-07G	09/23/14	NA	NA	NA	#VALUE!	33.4	38.3	4.9
1409422-07H	09/23/14	NA	NA	NA	#VALUE!	33.3	38.8	5.5
1409422-07I	09/23/14	NA	NA	NA	#VALUE!	33.4	37.7	4.4
1409422-07J	09/23/14	NA	NA	NA	#VALUE!	33.3	38.1	4.8
1409422-07K	09/23/14	NA	NA	NA	#VALUE!	33.2	37.9	4.7
1409422-07L	09/23/14	NA	NA	NA	#VALUE!	33.4	37.9	4.5
1409422-08C	09/23/14	NA	NA	NA	#VALUE!	33.4	38.3	4.9
1409422-08D	09/23/14	NA	NA	NA	#VALUE!	33.2	38.0	4.8

001844

Sample ID	Date Collected	Time Collected (am/pm)	Date Placed in Freezer	Time Placed in Freezer (am/pm)	Placed in Freezer within 48 Hours from Collection?	Empty Vial Weight (g)	Full Vial Weight (g)	Sample Weight (g)
1409422-09C	09/23/14	NA	NA	NA	#VALUE!	33.3	38.4	5.2
1409422-09D	09/23/14	NA	NA	NA	#VALUE!	33.0	38.1	5.1
1409422-10C	09/23/14	NA	NA	NA	#VALUE!	32.9	37.9	5.0
1409422-10D	09/23/14	NA	NA	NA	#VALUE!	33.2	38.0	4.8
1409422-11C	09/23/14	NA	NA	NA	#VALUE!	33.0	36.8	3.8
1409422-11D	09/23/14	NA	NA	NA	#VALUE!	33.3	38.5	5.2

001845

TriMatrix Laboratories, Inc.

Volatile Empty Vial Sample Weight Determination

Client: AECOM **Analyst:** DLV **Reviewed By:** SEW

Sample ID	Date Collected	Time Collected (am/pm)	Date Placed in Freezer	Time Placed in Freezer (am/pm)	Placed in Freezer within 48 Hours from Collection?	Empty Vial Weight (g)	Full Vial Weight (g)	Sample Weight (g)
1409444-03D	09/24/14	NA	NA	NA	#VALUE!	33.2	37.8	4.6
1409444-03E	09/24/14	NA	NA	NA	#VALUE!	33.1	37.8	4.7
1409444-04D	09/24/14	NA	NA	NA	#VALUE!	33.2	38.4	5.2
1409444-04E	09/24/14	NA	NA	NA	#VALUE!	33.2	38.0	4.8
1409444-05D	09/24/14	NA	NA	NA	#VALUE!	33.4	36.9	3.5
1409444-05E	09/24/14	NA	NA	NA	#VALUE!	33.2	38.0	4.8
1409444-06D	09/24/14	NA	NA	NA	#VALUE!	33.2	38.0	4.8
1409444-06E	09/24/14	NA	NA	NA	#VALUE!	33.2	38.8	5.6
1409444-07D	09/24/14	NA	NA	NA	#VALUE!	33.2	37.9	4.7
1409444-07E	09/24/14	NA	NA	NA	#VALUE!	33.3	38.3	5.0
1409444-08D	09/24/14	NA	NA	NA	#VALUE!	33.3	38.5	5.2
1409444-08E	09/24/14	NA	NA	NA	#VALUE!	33.0	38.0	5.0
1409444-09D	09/24/14	NA	NA	NA	#VALUE!	33.3	38.3	5.0
1409444-09E	09/24/14	NA	NA	NA	#VALUE!	33.2	37.5	4.3
1409444-10D	09/24/14	NA	NA	NA	#VALUE!	33.3	38.2	4.9
1409444-10E	09/24/14	NA	NA	NA	#VALUE!	33.1	38.0	4.9
1409444-11D	09/24/14	NA	NA	NA	#VALUE!	33.2	38.0	4.8
1409444-11E	09/24/14	NA	NA	NA	#VALUE!	33.0	38.0	5.0
1409444-12D	09/24/14	NA	NA	NA	#VALUE!	33.0	37.9	4.9
1409444-12E	09/24/14	NA	NA	NA	#VALUE!	33.0	37.9	4.9

001846

TriMatrix Laboratories, Inc.

Volatile Empty Vial Sample Weight Determination

Client: AECOM **Analyst:** DLV **Reviewed By:** KEW

Sample ID	Date Collected	Time Collected (am/pm)	Date Placed in Freezer	Time Placed in Freezer (am/pm)	Placed in Freezer within 48 Hours from Collection?	Empty Vial Weight (g)	Full Vial Weight (g)	Sample Weight (g)
1409479-01D	09/25/14	NA	NA	NA	#VALUE!	33.2	38.1	4.9
1409479-01E	09/25/14	NA	NA	NA	#VALUE!	33.4	38.8	5.4
1409479-02D	09/25/14	NA	NA	NA	#VALUE!	33.3	37.8	4.5
1409479-02E	09/25/14	NA	NA	NA	#VALUE!	33.2	38.2	5.0
1409479-03D	09/25/14	NA	NA	NA	#VALUE!	33.3	38.0	4.7
1409479-03E	09/25/14	NA	NA	NA	#VALUE!	33.2	38.0	4.8
1409479-04D	09/25/14	NA	NA	NA	#VALUE!	33.2	37.7	4.5
1409479-04E	09/25/14	NA	NA	NA	#VALUE!	33.1	38.0	4.9
1409479-05D	09/25/14	NA	NA	NA	#VALUE!	33.0	37.7	4.7
1409479-05E	09/25/14	NA	NA	NA	#VALUE!	33.2	39.3	6.1
1409479-06D	09/25/14	NA	NA	NA	#VALUE!	33.3	37.8	4.5
1409479-06E	09/25/14	NA	NA	NA	#VALUE!	33.1	37.7	4.6
1409479-08D	09/25/14	NA	NA	NA	#VALUE!	33.1	37.9	4.8
1409479-08E	09/25/14	NA	NA	NA	#VALUE!	33.2	37.7	4.5
1409479-12D	09/25/14	NA	NA	NA	#VALUE!	33.1	37.6	4.5
1409479-12E	09/25/14	NA	NA	NA	#VALUE!	33.1	37.9	4.8
1409479-13D	09/25/14	NA	NA	NA	#VALUE!	33.2	37.9	4.7
1409479-13E	09/25/14	NA	NA	NA	#VALUE!	33.2	37.8	4.6
1409479-14D	09/25/14	NA	NA	NA	#VALUE!	33.2	38.4	5.2
1409479-14E	09/25/14	NA	NA	NA	#VALUE!	33.2	38.0	4.8

001847

Sample ID	Date Collected	Time Collected (am/pm)	Date Placed in Freezer	Time Placed in Freezer (am/pm)	Placed in Freezer within 48 Hours from Collection?	Empty Vial Weight (g)	Full Vial Weight (g)	Sample Weight (g)
1409479-15D	09/25/14	NA	NA	NA	#VALUE!	33.1	37.6	4.6
1409479-15E	09/25/14	NA	NA	NA	#VALUE!	33.1	37.9	4.8
1409479-16D	09/25/14	NA	NA	NA	#VALUE!	33.4	37.9	4.5
1409479-16E	09/25/14	NA	NA	NA	#VALUE!	33.1	37.7	4.6
1409479-17D	09/25/14	NA	NA	NA	#VALUE!	33.2	38.1	4.9
1409479-17E	09/25/14	NA	NA	NA	#VALUE!	33.1	38.1	5.1
1409479-18D	09/25/14	NA	NA	NA	#VALUE!	33.3	38.0	4.7
1409479-18E	09/25/14	NA	NA	NA	#VALUE!	33.3	38.0	4.7

001848

TriMatrix Laboratories, Inc.

Volatile Empty Vial Sample Weight Determination

Client: AECOM Analyst: LEW Reviewed By: KLW

Sample ID	Date Collected	Time Collected (am/pm)	Date Placed in Freezer	Time Placed in Freezer (am/pm)	Placed in Freezer within 48 Hours from Collection?	Empty Vial Weight (g)	Full Vial Weight (g)	Sample Weight (g)
1409499-02D	09/27/14	NA	NA	NA	#VALUE!	33.2	39.1	5.9
1409499-02E	09/27/14	NA	NA	NA	#VALUE!	33.1	39.0	5.9
1409499-03D	09/27/14	NA	NA	NA	#VALUE!	33.3	38.8	5.6
1409499-03E	09/27/14	NA	NA	NA	#VALUE!	33.4	38.5	5.1
1409499-04D	09/27/14	NA	NA	NA	#VALUE!	33.2	38.1	4.9
1409499-04E	09/27/14	NA	NA	NA	#VALUE!	33.2	37.9	4.7
1409499-05D	09/27/14	NA	NA	NA	#VALUE!	33.3	39.1	5.8
1409499-05E	09/27/14	NA	NA	NA	#VALUE!	33.4	38.1	4.7
1409499-08j	09/27/14	NA	NA	NA	#VALUE!	32.9	37.6	4.7
1409499-08k	09/27/14	NA	NA	NA	#VALUE!	32.9	37.7	4.8
1409499-09D	09/27/14	NA	NA	NA	#VALUE!	33.3	38.0	4.7
1409499-09E	09/27/14	NA	NA	NA	#VALUE!	33.3	37.9	4.6
1409499-10D	09/27/14	NA	NA	NA	#VALUE!	32.9	37.5	4.6
1409499-10E	09/27/14	NA	NA	NA	#VALUE!	33.1	37.7	4.6
1409499-11D	09/27/14	NA	NA	NA	#VALUE!	33.2	38.1	4.9
1409499-11E	09/27/14	NA	NA	NA	#VALUE!	33.2	38.0	4.8
1409499-08L	09/27/14	NA	NA	NA	#VALUE!	33.1	37.9	4.8
1409499-08M	09/27/14	NA	NA	NA	#VALUE!	33.4	38.3	4.9
1409499-08N	09/27/14	NA	NA	NA	#VALUE!	33.0	37.6	4.6
1409499-08O	09/27/14	NA	NA	NA	#VALUE!	32.9	37.3	4.4

001849

TriMatrix Laboratories, Inc.

Volatile Empty Vial Sample Weight Determination

Client: AECOM **Analyst:** DLV **Reviewed By:** KAW

Sample ID	Date Collected	Time Collected (am/pm)	Date Placed in Freezer	Time Placed in Freezer (am/pm)	Placed in Freezer within 48 Hours from Collection?	Empty Vial Weight (g)	Full Vial Weight (g)	Sample Weight (g)
1410014-01D	09/29/14	NA	NA	NA	#VALUE!	32.8	37.7	4.9
1410014-01E	09/29/14	NA	NA	NA	#VALUE!	32.9	38.3	5.4
1410014-02D	09/29/14	NA	NA	NA	#VALUE!	33.3	37.9	4.6
1410014-02E	09/29/14	NA	NA	NA	#VALUE!	33.2	38.0	4.8
1410014-0D3	09/29/14	NA	NA	NA	#VALUE!	33.4	37.7	4.3
1410014-03E	09/29/14	NA	NA	NA	#VALUE!	33.3	37.7	4.4
1410014-04D	09/29/14	NA	NA	NA	#VALUE!	33.2	37.5	4.3
1410014-04E	09/29/14	NA	NA	NA	#VALUE!	33.3	37.6	4.3
1410014-05D	09/29/14	NA	NA	NA	#VALUE!	33.1	37.9	4.8
1410014-05E	09/29/14	NA	NA	NA	#VALUE!	33.2	37.8	4.7
1410014-06D	09/29/14	NA	NA	NA	#VALUE!	33.2	37.2	4.1
1410014-06E	09/29/14	NA	NA	NA	#VALUE!	33.2	37.6	4.4
1410014-07D	09/29/14	NA	NA	NA	#VALUE!	33.7	38.3	4.6
1410014-07E	09/29/14	NA	NA	NA	#VALUE!	33.5	37.7	4.2
1410014-08D	09/29/14	NA	NA	NA	#VALUE!	33.2	37.1	3.9
1410014-08E	09/29/14	NA	NA	NA	#VALUE!	33.3	37.9	4.6

001850

TriMatrix Laboratories, Inc.

Volatile Empty Vial Sample Weight Determination

Client: AECOM **Analyst:** DLV **Reviewed By:** KEW

Sample ID	Date Collected	Time Collected (am/pm)	Date Placed in Freezer	Time Placed in Freezer (am/pm)	Placed in Freezer within 48 Hours from Collection?	Empty Vial Weight (g)	Full Vial Weight (g)	Sample Weight (g)
1410025-01D	09/30/14	NA	NA	NA	#VALUE!	33.2	38.4	5.2
1410025-01E	09/30/14	NA	NA	NA	#VALUE!	33.2	38.2	5.0
1410025-02D	09/30/14	NA	NA	NA	#VALUE!	33.2	37.1	3.9
1410025-02E	09/30/14	NA	NA	NA	#VALUE!	33.3	37.4	4.2
1410025-0D3	09/30/14	NA	NA	NA	#VALUE!	33.2	37.7	4.5
1410025-03E	09/30/14	NA	NA	NA	#VALUE!	33.4	36.5	3.1
1410025-04D	09/30/14	NA	NA	NA	#VALUE!	33.2	37.4	4.3
1410025-04E	09/30/14	NA	NA	NA	#VALUE!	33.3	37.4	4.1
1410025-05D	09/30/14	NA	NA	NA	#VALUE!	33.2	37.3	4.1
1410025-05E	09/30/14	NA	NA	NA	#VALUE!	33.2	37.4	4.3
1410025-06D	09/30/14	NA	NA	NA	#VALUE!	33.1	37.4	4.3
1410025-06E	09/30/14	NA	NA	NA	#VALUE!	33.2	37.5	4.3
1410025-07D	09/30/14	NA	NA	NA	#VALUE!	33.3	38.0	4.7
1410025-07E	09/30/14	NA	NA	NA	#VALUE!	33.1	37.9	4.8

001851

TriMatrix Laboratories, Inc.

Volatile Empty Vial Sample Weight Determination

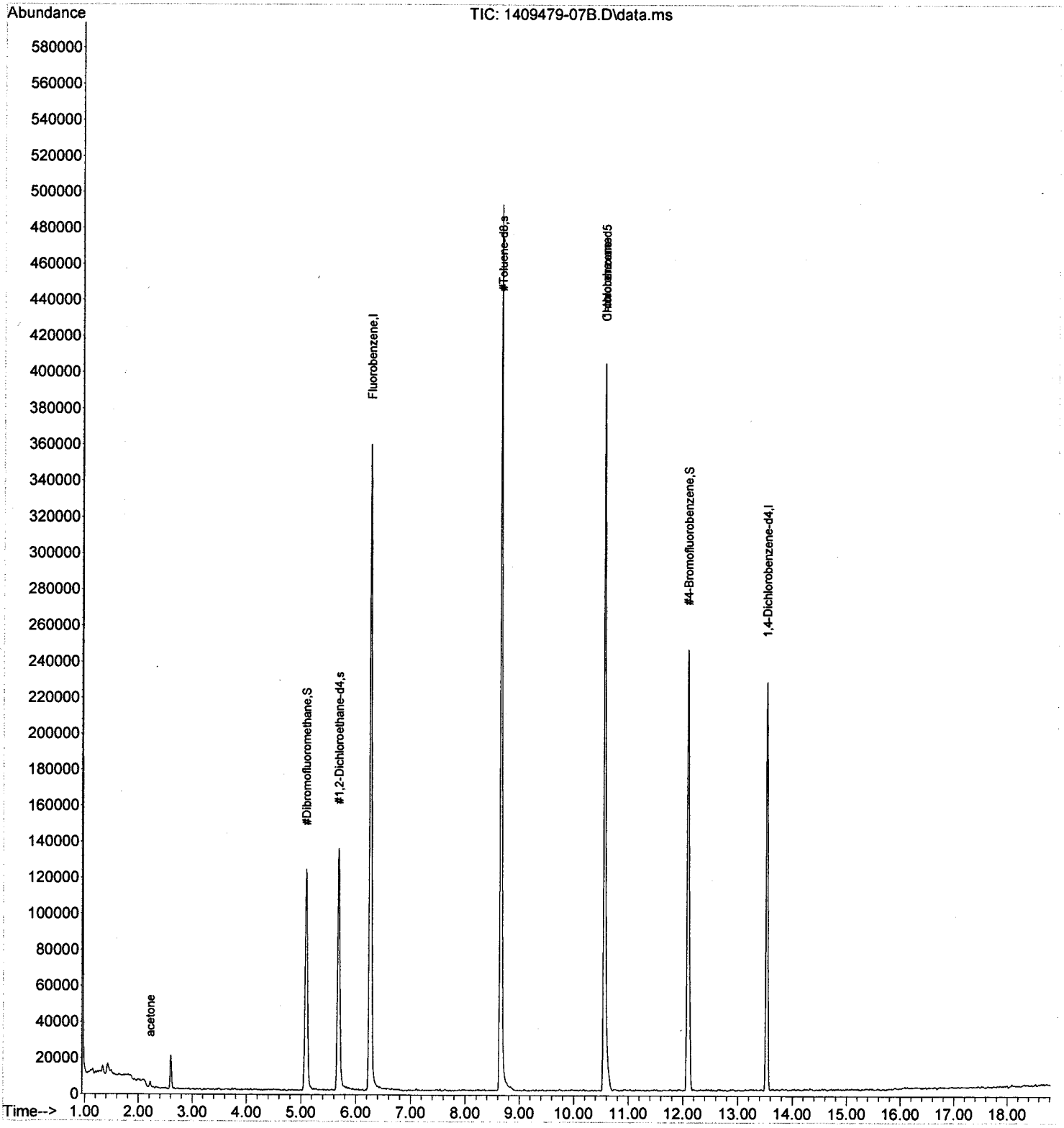
Client: AECOM **Analyst:** DLV **Reviewed By:** RSW

Sample ID	Date Collected	Time Collected (am/pm)	Date Placed in Freezer	Time Placed in Freezer (am/pm)	Placed in Freezer within 48 Hours from Collection?	Empty Vial Weight (g)	Full Vial Weight (g)	Sample Weight (g)
1410085-01D	10/01/14	NA	NA	NA	#VALUE!	33.3	37.7	4.4
1410085-01E	10/01/14	NA	NA	NA	#VALUE!	33.0	37.6	4.6
1410085-02D	10/01/14	NA	NA	NA	#VALUE!	33.3	37.6	4.3
1410085-02E	10/01/14	NA	NA	NA	#VALUE!	33.0	38.0	5.0
1410085-04D	10/01/14	NA	NA	NA	#VALUE!	33.2	37.1	3.9
1410085-04E	10/01/14	NA	NA	NA	#VALUE!	33.2	37.4	4.2
1410085-05D	10/01/14	NA	NA	NA	#VALUE!	33.1	37.1	4.0
1410085-05E	10/01/14	NA	NA	NA	#VALUE!	33.3	37.1	3.8
1410085-06D	10/01/14	NA	NA	NA	#VALUE!	32.9	37.3	4.4
1410085-06E	10/01/14	NA	NA	NA	#VALUE!	33.0	37.2	4.2
1410085-08D	10/01/14	NA	NA	NA	#VALUE!	33.3	37.9	4.6
1410085-08E	10/01/14	NA	NA	NA	#VALUE!	33.3	37.9	4.6
1410085-09D	10/01/14	NA	NA	NA	#VALUE!	33.4	37.4	4.0
1410085-09E	10/01/14	NA	NA	NA	#VALUE!	33.2	37.4	4.2

001852

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100714\
Data File : 1409479-07B.D
Acq On : 07 Oct 2014 10:47
Operator : DLV
Sample : 1409479-07
Misc : AECOM
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 07 12:54:14 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



001853

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100714\
Data File : 1409479-07B.D
Acq On : 07 Oct 2014 10:47
Operator : DLV
Sample : 1409479-07
Misc : AECOM
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 07 12:54:14 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Confirmation

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	469969	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.566	117	316931	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	80971	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.096	111	126684	40.73	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.82%			
37) #1,2-Dichloroethane-d4	5.684	67	78132	40.46	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.15%			
46) #Toluene-d8	8.654	98	444228	38.79	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.97%			
64) #4-Bromofluorobenzene	12.083	95	131700	33.35	ug/L	0.00
Spiked Amount 40.000			Recovery = 83.38%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	4206	1.51	ug/L	91
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.602	49	9678	Below Cal		90
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	16395	No Calib		
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

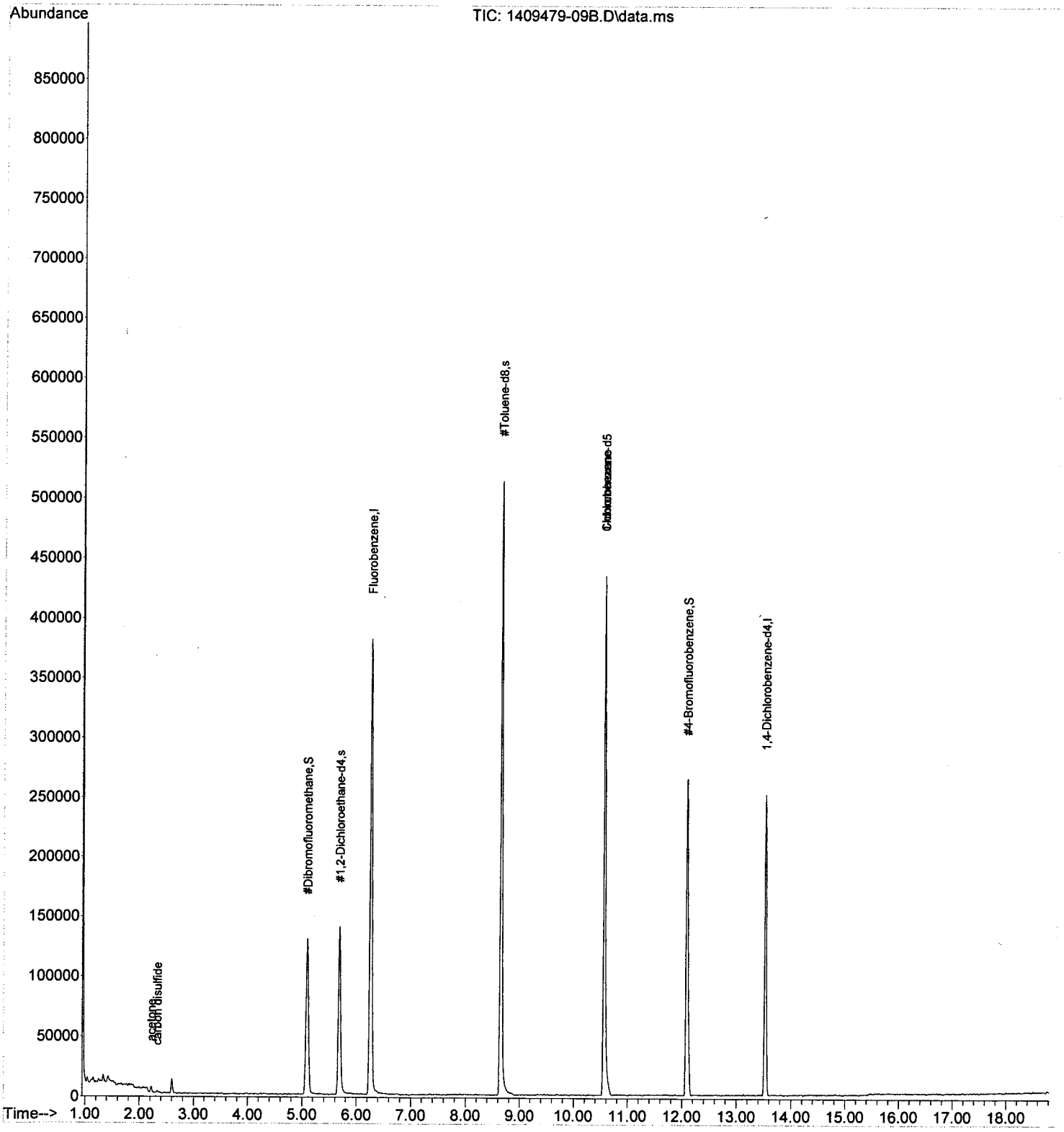
InstName : 350
Data Path : C:\gcms\1\data\100714\
Data File : 1409479-07B.D
Acq On : 07 Oct 2014 10:47
Operator : DLV
Sample : 1409479-07
Misc : AECOM
ALS Vial : 6 Sample Multiplier: 1
Quant Time: Oct 07 12:54:14 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2697	0.85 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100714\
Data File : 1409479-09B.D
Acq On : 07 Oct 2014 13:46
Operator : DLV
Sample : 1409479-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 07 14:30:45 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



001856

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100714\
Data File : 1409479-09B.D
Acq On : 07 Oct 2014 13:46
Operator : DLV
Sample : 1409479-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 07 14:30:45 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Confirmation

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.266	96	493455	40.00	ug/L		0.00
50) Chlorobenzene-d5	10.560	117	329233	40.00	ug/L		0.00
65) 1,4-Dichlorobenzene-d4	13.530	152	91788	40.00	ug/L	#	0.00
System Monitoring Compounds							
29) #Dibromofluoromethane	5.095	111	129927	39.78	ug/L		0.00
Spiked Amount 40.000			Recovery =	99.45%			
37) #1,2-Dichloroethane-d4	5.684	67	82361	40.62	ug/L		0.00
Spiked Amount 40.000			Recovery =	101.55%			
46) #Toluene-d8	8.654	98	467196	38.85	ug/L		0.00
Spiked Amount 40.000			Recovery =	97.13%			
64) #4-Bromofluorobenzene	12.083	95	141364	34.46	ug/L		0.00
Spiked Amount 40.000			Recovery =	86.15%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.			
3) chloromethane	0.000		0	N.D.			
4) vinyl chloride	0.000		0	N.D.			
5) bromomethane	0.000		0	N.D.			
6) chloroethane	0.000		0	N.D.			
7) dichlorofluoromethane	0.000		0	N.D.			
8) trichlorofluoromethane	0.000		0	N.D.			
9) ethyl ether	0.000		0	N.D.			
10) acrolein	0.000		0	N.D.			
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.			
12) 1,1-dichloroethene	0.000		0	N.D.			
13) acetone	2.219	43	5892	2.46	ug/L		90
14) iodomethane	0.000		0	N.D.			
15) carbon disulfide	2.331	76	1514	0.18	ug/L	#	74
16) methyl acetate	0.000		0	N.D.			
17) methylene chloride	2.601	49	6632	Below Cal			95
18) acrylonitrile	0.000		0	N.D.			
19) trans-1,2-dichloroethene	0.000		0	N.D.			
20) methyl (tert) butyl ether	0.000		0	N.D.			
21) 1,1-dichloroethane	0.000		0	N.D.			
22) vinyl acetate	0.000		0	N.D.			
23) 2,2-dichloropropane	0.000		0	N.D.			
24) cis-1,2-dichloroethene	0.000		0	N.D.			
25) 2-butanone (MEK)	0.000		0	N.D.			
26) bromochloromethane	0.000		0	N.D.			
27) tetrahydrofuran	0.000		0	N.D.			
28) chloroform	0.000		0	N.D.			
30) 1,1,1-trichloroethane	0.000		0	N.D.			
31) cyclohexane	0.000		0	N.D.			
32) carbon tetrachloride	0.000		0	N.D.			
33) 1,1-dichloropropene	0.000		0	N.D.			
34) benzene	0.000		0	N.D.			
35) 1,2-dichloroethane	0.000		0	N.D.			
36) heptane	6.260	57	17016	No Calib		#	
38) trichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

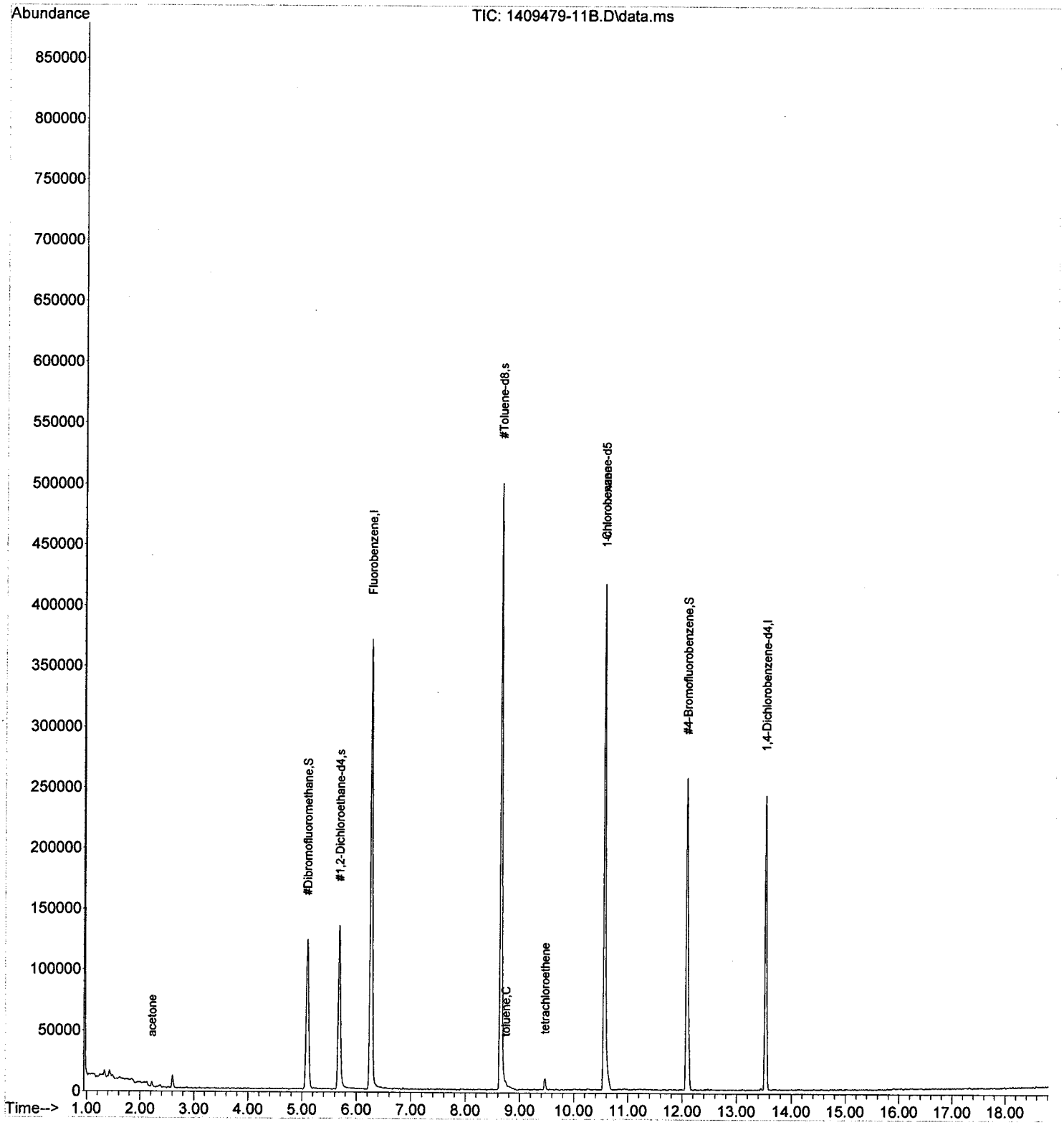
InstName : 350
Data Path : C:\gcms\1\data\100714\
Data File : 1409479-09B.D
Acq On : 07 Oct 2014 13:46
Operator : DLV
Sample : 1409479-09
Misc : AECOM
ALS Vial : 13 Sample Multiplier: 1
Quant Time: Oct 07 14:30:45 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) methylcyclohexane	0.000		0	N.D.	
40) 1,2-dichloropropane	0.000		0	N.D.	
41) dibromomethane	0.000		0	N.D.	
42) bromodichloromethane	0.000		0	N.D.	
43) 2-chloroethyl vinyl ether	0.000		0	N.D.	
44) cis-1,3-dichloropropene	0.000		0	N.D.	
45) 4-methyl-2-pentanone (...	0.000		0	N.D.	
47) toluene	0.000		0	N.D.	
48) trans-1,3-dichloropropene	0.000		0	N.D.	
49) 1,1,2-trichloroethane	0.000		0	N.D.	
51) tetrachloroethene	0.000		0	N.D.	
52) 1,3-dichloropropane	0.000		0	N.D.	
53) 2-hexanone (MBK)	0.000		0	N.D.	
54) dibromochloromethane	0.000		0	N.D.	
55) 1,2-dibromoethane	0.000		0	N.D.	
56) chlorobenzene	0.000		0	N.D.	
57) 1-chlorohexane	10.560	55	2534	0.77 ug/L #	1
58) 1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59) ethylbenzene	0.000		0	N.D.	
60) m+p-xylene	0.000		0	N.D.	
61) o-xylene	0.000		0	N.D.	
62) styrene	0.000		0	N.D.	
63) bromoform	0.000		0	N.D.	
66) isopropylbenzene	0.000		0	N.D.	
67) bromobenzene	0.000		0	N.D.	
68) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69) 1,2,3-trichloropropane	0.000		0	N.D.	
70) 1,4-dichloro-2-butene	0.000		0	N.D.	
71) n-propylbenzene	0.000		0	N.D.	
72) 2-chlorotoluene	0.000		0	N.D.	
73) 1,3,5-trimethylbenzene	0.000		0	N.D.	
74) 4-chlorotoluene	0.000		0	N.D.	
75) tert-butylbenzene	0.000		0	N.D.	
76) 1,2,4-trimethylbenzene	0.000		0	N.D.	
77) sec-butylbenzene	0.000		0	N.D.	
78) 1,3-dichlorobenzene	0.000		0	N.D.	
79) 4-isopropyltoluene	0.000		0	N.D.	
80) 1,4-dichlorobenzene	0.000		0	N.D.	
81) 1,2-dichlorobenzene	0.000		0	N.D.	
82) n-butylbenzene	0.000		0	N.D.	
83) hexachloroethane	0.000		0	N.D.	
84) 1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85) 1,2,4-trichlorobenzene	0.000		0	N.D.	
86) hexachlorobutadiene	0.000		0	N.D.	
87) naphthalene	0.000		0	N.D.	
88) 1,2,3-trichlorobenzene	0.000		0	N.D.	
89) 2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100714\
Data File : 1409479-11B.D
Acq On : 07 Oct 2014 14:12
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 07 14:31:14 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration



001359

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100714\
Data File : 1409479-11B.D
Acq On : 07 Oct 2014 14:12
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1

confirmation

Quant Time: Oct 07 14:31:14 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.266	96	471896	40.00	ug/L	0.00
50) Chlorobenzene-d5	10.560	117	317529	40.00	ug/L	0.00
65) 1,4-Dichlorobenzene-d4	13.531	152	87275	40.00	ug/L	# 0.00
System Monitoring Compounds						
29) #Dibromofluoromethane	5.096	111	127269	40.75	ug/L	0.00
Spiked Amount 40.000			Recovery = 101.88%			
37) #1,2-Dichloroethane-d4	5.684	67	79280	40.89	ug/L	0.00
Spiked Amount 40.000			Recovery = 102.23%			
46) #Toluene-d8	8.654	98	450160	39.14	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.85%			
64) #4-Bromofluorobenzene	12.084	95	138048	34.89	ug/L	0.00
Spiked Amount 40.000			Recovery = 87.22%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.000		0	N.D.		
3) chloromethane	0.000		0	N.D.		
4) vinyl chloride	0.000		0	N.D.		
5) bromomethane	0.000		0	N.D.		
6) chloroethane	0.000		0	N.D.		
7) dichlorofluoromethane	0.000		0	N.D.		
8) trichlorofluoromethane	0.000		0	N.D.		
9) ethyl ether	0.000		0	N.D.		
10) acrolein	0.000		0	N.D.		
11) 1,1,2-trichloro-1,2,2-...	0.000		0	N.D.		
12) 1,1-dichloroethene	0.000		0	N.D.		
13) acetone	2.219	43	4450	1.66	ug/L	98
14) iodomethane	0.000		0	N.D.		
15) carbon disulfide	0.000		0	N.D.		
16) methyl acetate	0.000		0	N.D.		
17) methylene chloride	2.602	49	6294	Below Cal		95
18) acrylonitrile	0.000		0	N.D.		
19) trans-1,2-dichloroethene	0.000		0	N.D.		
20) methyl (tert) butyl ether	0.000		0	N.D.		
21) 1,1-dichloroethane	0.000		0	N.D.		
22) vinyl acetate	0.000		0	N.D.		
23) 2,2-dichloropropane	0.000		0	N.D.		
24) cis-1,2-dichloroethene	0.000		0	N.D.		
25) 2-butanone (MEK)	0.000		0	N.D.		
26) bromochloromethane	0.000		0	N.D.		
27) tetrahydrofuran	0.000		0	N.D.		
28) chloroform	0.000		0	N.D.		
30) 1,1,1-trichloroethane	0.000		0	N.D.		
31) cyclohexane	0.000		0	N.D.		
32) carbon tetrachloride	0.000		0	N.D.		
33) 1,1-dichloropropene	0.000		0	N.D.		
34) benzene	0.000		0	N.D.		
35) 1,2-dichloroethane	0.000		0	N.D.		
36) heptane	6.266	57	16476	No Calib		#
38) trichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : 350
Data Path : C:\gcms\1\data\100714\
Data File : 1409479-11B.D
Acq On : 07 Oct 2014 14:12
Operator : DLV
Sample : 1409479-11
Misc : AECOM
ALS Vial : 14 Sample Multiplier: 1
Quant Time: Oct 07 14:31:14 2014
Quant Method : C:\gcms\1\methods\8260-W39C.M
Quant Title : 8260B : 5030
QLast Update : Thu Oct 02 12:02:07 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39)	methylcyclohexane	0.000		0	N.D.	
40)	1,2-dichloropropane	0.000		0	N.D.	
41)	dibromomethane	0.000		0	N.D.	
42)	bromodichloromethane	0.000		0	N.D.	
43)	2-chloroethyl vinyl ether	0.000		0	N.D.	
44)	cis-1,3-dichloropropene	0.000		0	N.D.	
45)	4-methyl-2-pentanone (...	0.000		0	N.D.	
47)	toluene	8.743	91	1272	0.08 ug/L #	23
48)	trans-1,3-dichloropropene	0.000		0	N.D.	
49)	1,1,2-trichloroethane	0.000		0	N.D.	
51)	tetrachloroethene	9.466	166	3281	0.88 ug/L	89
52)	1,3-dichloropropane	0.000		0	N.D.	
53)	2-hexanone (MBK)	0.000		0	N.D.	
54)	dibromochloromethane	0.000		0	N.D.	
55)	1,2-dibromoethane	0.000		0	N.D.	
56)	chlorobenzene	0.000		0	N.D.	
57)	1-chlorohexane	10.566	55	2908	0.91 ug/L #	1
58)	1,1,1,2-tetrachloroethane	0.000		0	N.D.	
59)	ethylbenzene	0.000		0	N.D.	
60)	m+p-xylene	0.000		0	N.D.	
61)	o-xylene	0.000		0	N.D.	
62)	styrene	0.000		0	N.D.	
63)	bromoform	0.000		0	N.D.	
66)	isopropylbenzene	0.000		0	N.D.	
67)	bromobenzene	0.000		0	N.D.	
68)	1,1,2,2-tetrachloroethane	0.000		0	N.D.	
69)	1,2,3-trichloropropane	0.000		0	N.D.	
70)	1,4-dichloro-2-butene	0.000		0	N.D.	
71)	n-propylbenzene	0.000		0	N.D.	
72)	2-chlorotoluene	0.000		0	N.D.	
73)	1,3,5-trimethylbenzene	0.000		0	N.D.	
74)	4-chlorotoluene	0.000		0	N.D.	
75)	tert-butylbenzene	0.000		0	N.D.	
76)	1,2,4-trimethylbenzene	0.000		0	N.D.	
77)	sec-butylbenzene	0.000		0	N.D.	
78)	1,3-dichlorobenzene	0.000		0	N.D.	
79)	4-isopropyltoluene	0.000		0	N.D.	
80)	1,4-dichlorobenzene	0.000		0	N.D.	
81)	1,2-dichlorobenzene	0.000		0	N.D.	
82)	n-butylbenzene	0.000		0	N.D.	
83)	hexachloroethane	0.000		0	N.D.	
84)	1,2-dibromo-3-chloropr...	0.000		0	N.D.	
85)	1,2,4-trichlorobenzene	0.000		0	N.D.	
86)	hexachlorobutadiene	0.000		0	N.D.	
87)	naphthalene	0.000		0	N.D.	
88)	1,2,3-trichlorobenzene	0.000		0	N.D.	
89)	2-methylnaphthalene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

TRIMATRIX LABORATORIES

SECTION - D

GCMS SEMI-VOLATILE ORGANICS

USEPA-8270D

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TriMatrix Laboratories, Inc.

AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

SDG: 50094-12

USEPA-8270D

SAMPLE ID SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY

Client Sample Id:	Lab Sample Id:
GA-TU14SB16-12	1409422-01
GA-TU14SB16-12	1409422-01RE1
GA-TU14SB16-35	1409422-02
GA-TU14SB15-13	1409422-03
GA-TU14SB17-21	1409422-04
GA-TU14SB17-34	1409422-05
GA-TU14SB19-35	1409422-06
GA-TU14SB15-35	1409422-07
GA-TU14SB15-35	1409422-07RE1
GA-TU14SB15-35DUP	1409422-08
GA-TU14SB18-35	1409422-10
GA-TU14SB18-05	1409422-11
GA-TU14GW15-01	1409422-12
GA-TU14GW20-01	1409444-02
GA-TU14SB23-25	1409444-03
GA-TU14SB23-33	1409444-04
GA-TU14SB24-07	1409444-05
GA-TU14SB24-07	1409444-05RE1
GA-TU14SB24-33	1409444-06
GA-TU14SB21-5	1409444-07
GA-TU14SB21-33	1409444-08
GA-TU14SB22-26	1409444-09
GA-TU14SB22-33	1409444-10
GA-TU14SB20-5	1409444-11
GA-TU14SB20-33	1409444-12
GA-TU13SB01-08	1409479-01
GA-TU13SB01-08	1409479-01RE1
GA-TU13SB01-32	1409479-02
GA-TU13SB01-32	1409479-02RE1
GA-TU13SB02-14	1409479-03
GA-TU13SB02-14	1409479-03RE1
GA-TU13SB02-33	1409479-04
GA-TU13SB02-33	1409479-04RE1
GA-TU13SB04-07	1409479-05
GA-TU13SB04-07	1409479-05RE1
GA-TU13SB04-07	1409479-05RE2
GA-TU13SB04-07	1409479-05RE3
GA-TU13SB04-33	1409479-06
GA-TU13SB04-33	1409479-06RE1
GA-TU13SB03-12	1409479-08
GA-TU13GW02-01	1409479-09

SAMPLE ID SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY

Client Sample Id:	Lab Sample Id:
GA-TU13GW05-01	1409479-10
GA-TU13GW03-01	1409479-11
GA-TU13SB06-14	1409479-12
GA-TU13SB06-33	1409479-13
GA-TU13SB07-08	1409479-14
GA-TU13SB07-33	1409479-15
GA-TU13SB03-33	1409479-16
GA-TU13SB05-12	1409479-17
GA-TU13SB05-12	1409479-17RE1
GA-TU13SB05-33	1409479-18
GA-TU13SB05-33	1409479-18RE1
GA-TU16SB30-08	1409499-02
GA-TU16SB30-08	1409499-02RE1
GA-TU16SB31-08	1409499-03
GA-TU16SB31-08	1409499-03RE1
GA-TU16SB32-17	1409499-04
GA-TU16SB32-17	1409499-04RE1
GA-TU16SB33-10	1409499-05
GA-TU16SB33-10	1409499-05RE1
GA-TU16GW29-01	1409499-06
GA-TU16GW29-01	1409499-06RE1
FQC-EB092614JC-001	1409499-07
GA-TU16SB29-15	1409499-08
GA-TU16SB29-15DUP	1409499-09
GA-TU16SB29-44	1409499-10
GA-TU16SB29-44DUP	1409499-11
GA-TU16SB29-44DUP	1409499-11RE1
GA-TU13SB8-15	1410014-01
GA-TU13SB8-15	1410014-01RE1
GA-TU13SB8-34	1410014-02
GA-TU13SB9-20	1410014-03
GA-TU13SB9-34	1410014-04
GA-TU13SB10-15	1410014-05
GA-TU13SB10-15	1410014-05RE1
GA-TU13SB10-34	1410014-06
GA-TU13SB10-34	1410014-06RE1
GA-TU13SB11-20	1410014-07
GA-TU13SB11-34	1410014-08
GA-TU13SB11-34	1410014-08RE1
GA-TU13SB11-34	1410014-08RE2
GA-TU13SB11-34	1410014-08RE3

SAMPLE ID SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY

Client Sample Id:	Lab Sample Id:
GA-TU13GW08-01	1410014-09
GA-TU13GW09-01	1410014-10
GA-TU13SB12-15	1410025-01
GA-TU13SB12-34	1410025-02
GA-TU13SB12-34	1410025-02RE1
GA-TU13SB13-20	1410025-03
GA-TU13SB13-34	1410025-04
GA-TU13SB14-15	1410025-05
GA-TU13SB14-15	1410025-05RE1
GA-TU13SB14-34	1410025-06
GA-TU13SB14-34	1410025-06RE1
GA-TU13SB14-34	1410025-06RE2
GA-TU13SB14-34	1410025-06RE3
GA-TU13SB14-34DUP	1410025-07
GA-TU13GW12-01	1410025-08
GA-TU13GW13-01	1410025-09
GA-TU17SB34-15	1410085-01
GA-TU17SB34-15	1410085-01RE1
GA-TU17SB34-37	1410085-02
GA-TU17SB34-37	1410085-02RE1
GA-TU17GW34-01	1410085-03
GA-TU17SB35-15	1410085-04
GA-TU17SB35-15	1410085-04RE1
GA-TU17SB36-20	1410085-05
GA-TU17SB36-20	1410085-05RE1
GA-TU17SB38-15	1410085-06
GA-TU17SB38-15	1410085-06RE1
GA-TU017SB34-37DUP	1410085-08
GA-TU017SB38-15DUP	1410085-09

TRIMATRIX LABORATORIES

SECTION - D

QUALITY CONTROL (QC) SUMMARY

USEPA-8270D

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J06022
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J06022-CCV1)		**Lab File ID: 10bna1005.D**		**Analyzed: 10/05/14 11:55**			
2-Fluorophenol	5.18	5.19	-0.01	+/-0.5	98	80 - 120	
Phenol-d6	6.91	6.91	0.00	+/-0.5	97	80 - 120	
Nitrobenzene-d5	8.79	8.79	0.00	+/-0.5	96	80 - 120	
2-Fluorobiphenyl	12.94	12.94	0.00	+/-0.5	94	80 - 120	
2,4,6-Tribromophenol	16.36	16.36	0.00	+/-0.5	101	80 - 120	
o-Terphenyl	18.67	18.66	0.00	+/-0.5	95	80 - 120	
Blank (1410423-BLK1)		**Lab File ID: 1410423-blk1.IAnalyzed: 10/05/14 13:30**					
2-Fluorophenol	5.51	5.19	0.32	+/-0.5	73	33 - 113	
Phenol-d6	6.97	6.91	0.06	+/-0.5	57	30 - 115	
Nitrobenzene-d5	8.80	8.79	0.01	+/-0.5	77	33 - 131	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	86	46 - 122	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	66	12 - 124	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	88	20 - 155	
LCS (1410423-BS1)		**Lab File ID: 1410423-bs1.DAnalyzed: 10/05/14 14:34**					
2-Fluorophenol	5.52	5.19	0.32	+/-0.5	68	33 - 113	
Phenol-d6	6.98	6.91	0.07	+/-0.5	48	30 - 115	
Nitrobenzene-d5	8.80	8.79	0.01	+/-0.5	77	33 - 131	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	86	46 - 122	
2,4,6-Tribromophenol	16.36	16.36	-0.01	+/-0.5	84	12 - 124	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	89	20 - 155	
GA-TU14SB16-35 (1409422-02)		**Lab File ID: 1409422-02.D**		**Analyzed: 10/05/14 18:21**			
2-Fluorophenol	5.48	5.19	0.28	+/-0.5	71	33 - 113	
Phenol-d6	6.97	6.91	0.06	+/-0.5	78	30 - 115	
Nitrobenzene-d5	8.79	8.79	0.00	+/-0.5	79	33 - 131	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	83	46 - 122	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	74	12 - 124	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	88	20 - 155	
GA-TU14SB15-13 (1409422-03)		**Lab File ID: 1409422-03.D**		**Analyzed: 10/05/14 18:53**			
2-Fluorophenol	5.49	5.19	0.30	+/-0.5	75	33 - 113	
Phenol-d6	6.97	6.91	0.06	+/-0.5	48	30 - 115	
Nitrobenzene-d5	8.79	8.79	0.00	+/-0.5	81	33 - 131	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	91	46 - 122	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	86	12 - 124	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	93	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J06022
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU14SB17-34 (1409422-05)		**Lab File ID: 1409422-05.D Analyzed: 10/05/14 19:26**					
2-Fluorophenol	5.49	5.19	0.30	+/-0.5	76	33 - 113	
Phenol-d6	6.97	6.91	0.06	+/-0.5	76	30 - 115	
Nitrobenzene-d5	8.79	8.79	0.00	+/-0.5	81	33 - 131	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	86	46 - 122	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	80	12 - 124	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	91	20 - 155	
GA-TU14SB19-35 (1409422-06)		**Lab File ID: 1409422-06.D Analyzed: 10/05/14 19:58**					
2-Fluorophenol	5.50	5.19	0.31	+/-0.5	70	33 - 113	
Phenol-d6	6.97	6.91	0.06	+/-0.5	45	30 - 115	
Nitrobenzene-d5	8.79	8.79	0.00	+/-0.5	76	33 - 131	
2-Fluorobiphenyl	12.93	12.94	-0.01	+/-0.5	86	46 - 122	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	77	12 - 124	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	91	20 - 155	
GA-TU14SB15-35 (1409422-07)		**Lab File ID: 1409422-07.D Analyzed: 10/05/14 20:30**					
2-Fluorophenol	5.48	5.19	0.29	+/-0.5	23	33 - 113	*
Phenol-d6	6.97	6.91	0.06	+/-0.5	37	30 - 115	
Nitrobenzene-d5	8.79	8.79	0.00	+/-0.5	89	33 - 131	
2-Fluorobiphenyl	12.93	12.94	-0.01	+/-0.5	91	46 - 122	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	80	12 - 124	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	93	20 - 155	
GA-TU14SB15-35DUP (1409422-08)		**Lab File ID: 1409422-08.D Analyzed: 10/05/14 21:02**					
2-Fluorophenol	5.49	5.19	0.30	+/-0.5	74	33 - 113	
Phenol-d6	6.97	6.91	0.06	+/-0.5	82	30 - 115	
Nitrobenzene-d5	8.79	8.79	0.00	+/-0.5	83	33 - 131	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	85	46 - 122	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	72	12 - 124	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	87	20 - 155	
GA-TU14SB18-35 (1409422-10)		**Lab File ID: 1409422-10.D Analyzed: 10/05/14 21:34**					
2-Fluorophenol	5.52	5.19	0.32	+/-0.5	78	33 - 113	
Phenol-d6	6.97	6.91	0.06	+/-0.5	86	30 - 115	
Nitrobenzene-d5	8.80	8.79	0.01	+/-0.5	86	33 - 131	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	89	46 - 122	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	80	12 - 124	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	90	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J06022
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Matrix Spike (1410423-MS1)		**Lab File ID: 1410423-ms1.DAnalyzed: 10/05/14 22:07**					
2-Fluorophenol	5.46	5.19	0.27	+/-0.5	59	33 - 113	
Phenol-d6	6.97	6.91	0.06	+/-0.5	42	30 - 115	
Nitrobenzene-d5	8.79	8.79	0.00	+/-0.5	77	33 - 131	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	88	46 - 122	
2,4,6-Tribromophenol	16.36	16.36	-0.01	+/-0.5	89	12 - 124	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	88	20 - 155	
Matrix Spike Dup (1410423-MSD1)		**Lab File ID: 1410423-msd1.Analyzed: 10/05/14 22:40**					
2-Fluorophenol	5.46	5.19	0.27	+/-0.5	82	33 - 113	
Phenol-d6	6.97	6.91	0.06	+/-0.5	87	30 - 115	
Nitrobenzene-d5	8.80	8.79	0.01	+/-0.5	88	33 - 131	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	89	46 - 122	
2,4,6-Tribromophenol	16.36	16.36	0.00	+/-0.5	95	12 - 124	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	94	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J06022

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J06006

Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J06022-TUN1	dft1005a.D	10/05/14 11:38
Calibration Check	4J06022-CCV1	10bna1005.D	10/05/14 11:55
Calibration Check	4J06022-CCV2	10ab1005.D	10/05/14 12:27
Blank	1410423-BLK1	1410423-blk1.D	10/05/14 13:30
LCS	1410423-BS1	1410423-bs1.D	10/05/14 14:34
GA-TU14SB16-35	1409422-02	1409422-02.D	10/05/14 18:21
GA-TU14SB15-13	1409422-03	1409422-03.D	10/05/14 18:53
GA-TU14SB17-34	1409422-05	1409422-05.D	10/05/14 19:26
GA-TU14SB19-35	1409422-06	1409422-06.D	10/05/14 19:58
GA-TU14SB15-35	1409422-07	1409422-07.D	10/05/14 20:30
GA-TU14SB15-35DUP	1409422-08	1409422-08.D	10/05/14 21:02
GA-TU14SB18-35	1409422-10	1409422-10.D	10/05/14 21:34
GA-TU14SB15-35	1410423-MS1	1410423-ms1.D	10/05/14 22:07
GA-TU14SB15-35	1410423-MSD1	1410423-msd1.D	10/05/14 22:40

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Calibration: 4J06006
Sequence: 4J06027
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J06027-CCV1)		**Lab File ID: 10bna1005.D**		**Analyzed: 10/05/14 11:55**			
2-Fluorophenol	5.18	5.19	-0.01	+/-0.5	98	80 - 120	
Phenol-d6	6.91	6.91	0.00	+/-0.5	97	80 - 120	
Nitrobenzene-d5	8.79	8.79	0.00	+/-0.5	96	80 - 120	
2-Fluorobiphenyl	12.94	12.94	0.00	+/-0.5	94	80 - 120	
2,4,6-Tribromophenol	16.36	16.36	0.00	+/-0.5	101	80 - 120	
o-Terphenyl	18.67	18.66	0.00	+/-0.5	95	80 - 120	
Blank (1410325-BLK1)		**Lab File ID: 1410325-blk1.I**		**Analyzed: 10/05/14 12:57**			
2-Fluorophenol	5.18	5.19	-0.02	+/-0.5	43	19 - 119	
Phenol-d6	6.89	6.91	-0.02	+/-0.5	34	18 - 45	
Nitrobenzene-d5	8.77	8.79	-0.01	+/-0.5	104	44 - 120	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	108	44 - 119	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	56	43 - 140	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	116	42 - 125	
LCS (1410325-BS1)		**Lab File ID: 1410325-bs1.D**		**Analyzed: 10/05/14 14:02**			
2-Fluorophenol	5.18	5.19	-0.01	+/-0.5	65	19 - 119	
Phenol-d6	6.90	6.91	-0.01	+/-0.5	43	18 - 45	
Nitrobenzene-d5	8.78	8.79	-0.01	+/-0.5	102	44 - 120	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	111	44 - 119	
2,4,6-Tribromophenol	16.36	16.36	0.00	+/-0.5	106	43 - 140	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	112	42 - 125	
GA-TU14GW15-01 (1409422-12)		**Lab File ID: 1409422-12.D**		**Analyzed: 10/05/14 15:38**			
2-Fluorophenol	5.18	5.19	-0.02	+/-0.5	53	19 - 119	
Phenol-d6	6.89	6.91	-0.02	+/-0.5	34	18 - 45	
Nitrobenzene-d5	8.77	8.79	-0.01	+/-0.5	84	44 - 120	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	79	44 - 119	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	86	43 - 140	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	91	42 - 125	
GA-TU14GW20-01 (1409444-02)		**Lab File ID: 1409444-02.D**		**Analyzed: 10/05/14 16:10**			
2-Fluorophenol	5.20	5.19	0.01	+/-0.5	34	19 - 119	
Phenol-d6	6.90	6.91	-0.01	+/-0.5	30	18 - 45	
Nitrobenzene-d5	8.78	8.79	-0.01	+/-0.5	62	44 - 120	
2-Fluorobiphenyl	12.94	12.94	0.00	+/-0.5	51	44 - 119	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	66	43 - 140	
o-Terphenyl	18.67	18.66	0.00	+/-0.5	68	42 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water
Sequence: 4J06027

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13GW02-01 (1409479-09)		**Lab File ID: 1409479-09.D Analyzed: 10/05/14 16:43**					
2-Fluorophenol	5.18	5.19	-0.01	+/-0.5	49	19 - 119	
Phenol-d6	6.89	6.91	-0.02	+/-0.5	31	18 - 45	
Nitrobenzene-d5	8.77	8.79	-0.01	+/-0.5	86	44 - 120	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	88	44 - 119	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	87	43 - 140	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	92	42 - 125	
GA-TU13GW05-01 (1409479-10)		**Lab File ID: 1409479-10.D Analyzed: 10/05/14 17:16**					
2-Fluorophenol	5.18	5.19	-0.02	+/-0.5	46	19 - 119	
Phenol-d6	6.89	6.91	-0.02	+/-0.5	30	18 - 45	
Nitrobenzene-d5	8.77	8.79	-0.01	+/-0.5	83	44 - 120	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	87	44 - 119	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	87	43 - 140	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	92	42 - 125	
GA-TU13GW03-01 (1409479-11)		**Lab File ID: 1409479-11.D Analyzed: 10/05/14 17:48**					
2-Fluorophenol	5.18	5.19	-0.02	+/-0.5	47	19 - 119	
Phenol-d6	6.89	6.91	-0.02	+/-0.5	30	18 - 45	
Nitrobenzene-d5	8.77	8.79	-0.01	+/-0.5	82	44 - 120	
2-Fluorobiphenyl	12.94	12.94	-0.01	+/-0.5	84	44 - 119	
2,4,6-Tribromophenol	16.36	16.36	-0.01	+/-0.5	91	43 - 140	
o-Terphenyl	18.66	18.66	-0.01	+/-0.5	88	42 - 125	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Sequence: 4J06027
Calibration: 4J06006
Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J06027-TUN1	dft1005a.D	10/05/14 11:38
Calibration Check	4J06027-CCV1	10bna1005.D	10/05/14 11:55
Calibration Check	4J06027-CCV2	10ab1005.D	10/05/14 12:27
Blank	1410325-BLK1	1410325-blk1.D	10/05/14 12:57
LCS	1410325-BS1	1410325-bs1.D	10/05/14 14:02
GA-TU14GW15-01	1409422-12	1409422-12.D	10/05/14 15:38
GA-TU14GW20-01	1409444-02	1409444-02.D	10/05/14 16:10
GA-TU13GW02-01	1409479-09	1409479-09.D	10/05/14 16:43
GA-TU13GW05-01	1409479-10	1409479-10.D	10/05/14 17:16
GA-TU13GW03-01	1409479-11	1409479-11.D	10/05/14 17:48

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J08017
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J08017-CCV1)		**Lab File ID: 10bna1007.D**		**Analyzed: 10/07/14 09:38**			
2-Fluorophenol	5.16	5.19	-0.03	+/-0.5	98	80 - 120	
Phenol-d6	6.89	6.91	-0.02	+/-0.5	95	80 - 120	
Nitrobenzene-d5	8.75	8.79	-0.04	+/-0.5	95	80 - 120	
2-Fluorobiphenyl	12.90	12.94	-0.04	+/-0.5	95	80 - 120	
2,4,6-Tribromophenol	16.32	16.36	-0.05	+/-0.5	99	80 - 120	
o-Terphenyl	18.62	18.66	-0.04	+/-0.5	91	80 - 120	
Blank (1410423-BLK2)		**Lab File ID: 1410423-blk2.I**		**Analyzed: 10/07/14 10:41**			
2-Fluorophenol	5.36	5.19	0.17	+/-0.5	82	33 - 113	
Phenol-d6	6.93	6.91	0.02	+/-0.5	86	30 - 115	
Nitrobenzene-d5	8.75	8.79	-0.04	+/-0.5	86	33 - 131	
2-Fluorobiphenyl	12.89	12.94	-0.05	+/-0.5	91	46 - 122	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	86	12 - 124	
o-Terphenyl	18.62	18.66	-0.05	+/-0.5	101	20 - 155	
LCS (1410423-BS2)		**Lab File ID: 1410423-bs2.D**		**Analyzed: 10/07/14 11:13**			
2-Fluorophenol	5.37	5.19	0.18	+/-0.5	86	33 - 113	
Phenol-d6	6.93	6.91	0.02	+/-0.5	88	30 - 115	
Nitrobenzene-d5	8.75	8.79	-0.04	+/-0.5	90	33 - 131	
2-Fluorobiphenyl	12.89	12.94	-0.05	+/-0.5	92	46 - 122	
2,4,6-Tribromophenol	16.31	16.36	-0.05	+/-0.5	98	12 - 124	
o-Terphenyl	18.62	18.66	-0.05	+/-0.5	99	20 - 155	
GA-TU14SB15-35 (1409422-07RE1)		**Lab File ID: 1409422-07re1**		**Analyzed: 10/07/14 11:45**			
2-Fluorophenol	5.39	5.19	0.19	+/-0.5	81	33 - 113	
Phenol-d6	6.93	6.91	0.02	+/-0.5	53	30 - 115	
Nitrobenzene-d5	8.75	8.79	-0.04	+/-0.5	85	33 - 131	
2-Fluorobiphenyl	12.89	12.94	-0.05	+/-0.5	93	46 - 122	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	93	12 - 124	
o-Terphenyl	18.62	18.66	-0.05	+/-0.5	101	20 - 155	
GA-TU14SB23-25 (1409444-03)		**Lab File ID: 1409444-03.D**		**Analyzed: 10/07/14 12:17**			
2-Fluorophenol	5.47	5.19	0.28	+/-0.5	61	33 - 113	
Phenol-d6	6.95	6.91	0.04	+/-0.5	46	30 - 115	
Nitrobenzene-d5	8.76	8.79	-0.03	+/-0.5	76	33 - 131	
2-Fluorobiphenyl	12.89	12.94	-0.05	+/-0.5	86	46 - 122	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	82	12 - 124	
o-Terphenyl	18.62	18.66	-0.05	+/-0.5	91	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J08017
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU14SB22-26 (1409444-09)		**Lab File ID: 1409444-09.D Analyzed: 10/07/14 12:49**					
2-Fluorophenol	5.43	5.19	0.24	+/-0.5	47	33 - 113	
Phenol-d6	6.94	6.91	0.04	+/-0.5	36	30 - 115	
Nitrobenzene-d5	8.75	8.79	-0.04	+/-0.5	71	33 - 131	
2-Fluorobiphenyl	12.89	12.94	-0.05	+/-0.5	85	46 - 122	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	78	12 - 124	
o-Terphenyl	18.62	18.66	-0.05	+/-0.5	88	20 - 155	
GA-TU14SB20-5 (1409444-11)		**Lab File ID: 1409444-11.D Analyzed: 10/07/14 13:21**					
2-Fluorophenol	5.43	5.19	0.24	+/-0.5	54	33 - 113	
Phenol-d6	6.94	6.91	0.03	+/-0.5	43	30 - 115	
Nitrobenzene-d5	8.75	8.79	-0.04	+/-0.5	73	33 - 131	
2-Fluorobiphenyl	12.89	12.94	-0.05	+/-0.5	85	46 - 122	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	81	12 - 124	
o-Terphenyl	18.62	18.66	-0.05	+/-0.5	90	20 - 155	
GA-TU14SB20-33 (1409444-12)		**Lab File ID: 1409444-12.D Analyzed: 10/07/14 13:54**					
2-Fluorophenol	5.43	5.19	0.24	+/-0.5	77	33 - 113	
Phenol-d6	6.94	6.91	0.03	+/-0.5	66	30 - 115	
Nitrobenzene-d5	8.76	8.79	-0.03	+/-0.5	81	33 - 131	
2-Fluorobiphenyl	12.89	12.94	-0.05	+/-0.5	85	46 - 122	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	85	12 - 124	
o-Terphenyl	18.62	18.66	-0.05	+/-0.5	90	20 - 155	
GA-TU14SB17-21 (1409422-04)		**Lab File ID: 1409422-04.D Analyzed: 10/07/14 14:26**					
2-Fluorophenol	5.46	5.19	0.27	+/-0.5	52	33 - 113	
Phenol-d6	6.95	6.91	0.04	+/-0.5	45	30 - 115	
Nitrobenzene-d5	8.76	8.79	-0.03	+/-0.5	69	33 - 131	
2-Fluorobiphenyl	12.89	12.94	-0.05	+/-0.5	82	46 - 122	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	76	12 - 124	
o-Terphenyl	18.62	18.66	-0.05	+/-0.5	88	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J08017

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J08017-TUN1	dft1007f.D	10/07/14 09:22
Calibration Check	4J08017-CCV1	10bna1007.D	10/07/14 09:38
Calibration Check	4J08017-CCV2	10ab1007.D	10/07/14 10:11
Blank	1410423-BLK2	1410423-blk2.D	10/07/14 10:41
LCS	1410423-BS2	1410423-bs2.D	10/07/14 11:13
GA-TU14SB15-35	1409422-07RE1	1409422-07re1.D	10/07/14 11:45
GA-TU14SB23-25	1409444-03	1409444-03.D	10/07/14 12:17
GA-TU14SB22-26	1409444-09	1409444-09.D	10/07/14 12:49
GA-TU14SB20-5	1409444-11	1409444-11.D	10/07/14 13:21
GA-TU14SB20-33	1409444-12	1409444-12.D	10/07/14 13:54
GA-TU14SB17-21	1409422-04	1409422-04.D	10/07/14 14:26

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J08019
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J08019-CCV1)		**Lab File ID: 10bna1007a.D Analyzed: 10/07/14 15:32**					
2-Fluorophenol	5.14	5.19	-0.06	+/-0.5	96	80 - 120	
Phenol-d6	6.86	6.91	-0.05	+/-0.5	96	80 - 120	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	95	80 - 120	
2-Fluorobiphenyl	12.88	12.94	-0.07	+/-0.5	92	80 - 120	
2,4,6-Tribromophenol	16.29	16.36	-0.07	+/-0.5	99	80 - 120	
o-Terphenyl	18.61	18.66	-0.05	+/-0.5	91	80 - 120	
Blank (1410496-BLK1)		**Lab File ID: 1410496-blk1.IAnalyzed: 10/07/14 16:34**					
2-Fluorophenol	5.41	5.19	0.21	+/-0.5	78	33 - 113	
Phenol-d6	6.91	6.91	0.00	+/-0.5	87	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	90	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	95	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	70	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	105	20 - 155	
GA-TU14SB23-33 (1409444-04)		**Lab File ID: 1409444-04.D Analyzed: 10/07/14 17:38**					
2-Fluorophenol	5.45	5.19	0.25	+/-0.5	72	33 - 113	
Phenol-d6	6.92	6.91	0.01	+/-0.5	54	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.05	+/-0.5	76	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	83	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.09	+/-0.5	79	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	91	20 - 155	
GA-TU14SB24-33 (1409444-06)		**Lab File ID: 1409444-06.D Analyzed: 10/07/14 18:10**					
2-Fluorophenol	5.44	5.19	0.25	+/-0.5	44	33 - 113	
Phenol-d6	6.93	6.91	0.02	+/-0.5	32	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.05	+/-0.5	71	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	86	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.09	+/-0.5	50	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	92	20 - 155	
GA-TU14SB21-5 (1409444-07)		**Lab File ID: 1409444-07.D Analyzed: 10/07/14 18:43**					
2-Fluorophenol	5.42	5.19	0.22	+/-0.5	56	33 - 113	
Phenol-d6	6.92	6.91	0.01	+/-0.5	35	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.05	+/-0.5	72	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	85	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	84	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	88	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J08019

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU14SB21-33 (1409444-08)		**Lab File ID: 1409444-08.D Analyzed: 10/07/14 19:16**					
2-Fluorophenol	5.42	5.19	0.23	+/-0.5	60	33 - 113	
Phenol-d6	6.92	6.91	0.01	+/-0.5	37	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	73	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	83	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	77	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	88	20 - 155	
GA-TU13SB02-33 (1409479-04)		**Lab File ID: 1409479-04.D Analyzed: 10/07/14 19:48**					
2-Fluorophenol	5.43	5.19	0.24	+/-0.5	21	33 - 113	*
Phenol-d6	6.93	6.91	0.02	+/-0.5	36	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	83	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	88	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	84	12 - 124	
o-Terphenyl	18.61	18.66	-0.06	+/-0.5	93	20 - 155	
GA-TU13SB06-33 (1409479-13)		**Lab File ID: 1409479-13.D Analyzed: 10/07/14 20:20**					
2-Fluorophenol	5.44	5.19	0.25	+/-0.5	39	33 - 113	
Phenol-d6	6.93	6.91	0.02	+/-0.5	36	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.05	+/-0.5	81	33 - 131	
2-Fluorobiphenyl	12.86	12.94	-0.08	+/-0.5	82	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	71	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	86	20 - 155	
GA-TU13SB07-33 (1409479-15)		**Lab File ID: 1409479-15.D Analyzed: 10/07/14 20:52**					
2-Fluorophenol	5.43	5.19	0.24	+/-0.5	50	33 - 113	
Phenol-d6	6.92	6.91	0.01	+/-0.5	31	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.05	+/-0.5	66	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	80	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.09	+/-0.5	78	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	86	20 - 155	
GA-TU13SB05-33 (1409479-18)		**Lab File ID: 1409479-18.D Analyzed: 10/07/14 21:24**					
2-Fluorophenol	5.42	5.19	0.22	+/-0.5	32	33 - 113	*
Phenol-d6	6.93	6.91	0.02	+/-0.5	32	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	74	33 - 131	
2-Fluorobiphenyl	12.86	12.94	-0.08	+/-0.5	83	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	73	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	86	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J08019
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13SB03-33 (1409479-16)		**Lab File ID: 1409479-16.D Analyzed: 10/07/14 21:56**					
2-Fluorophenol	5.46	5.19	0.27	+/-0.5	52	33 - 113	
Phenol-d6	6.94	6.91	0.03	+/-0.5	47	30 - 115	
Nitrobenzene-d5	8.74	8.79	-0.05	+/-0.5	85	33 - 131	
2-Fluorobiphenyl	12.86	12.94	-0.08	+/-0.5	86	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	78	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	91	20 - 155	
GA-TU13SB04-33 (1409479-06)		**Lab File ID: 1409479-06.D Analyzed: 10/07/14 22:28**					
2-Fluorophenol	5.43	5.19	0.24	+/-0.5	48	33 - 113	
Phenol-d6	6.92	6.91	0.01	+/-0.5	29	30 - 115	*
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	73	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	86	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.09	+/-0.5	75	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	93	20 - 155	
GA-TU14SB16-12 (1409422-01)		**Lab File ID: 1409422-01 10:Analyzed: 10/07/14 23:00**					
2-Fluorophenol	5.21	5.19	0.02	+/-0.5	89	33 - 113	
Phenol-d6	6.86	6.91	-0.05	+/-0.5	92	30 - 115	
Nitrobenzene-d5	8.72	8.79	-0.07	+/-0.5	86	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	98	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.09	+/-0.5	62	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	104	20 - 155	
GA-TU14SB18-05 (1409422-11)		**Lab File ID: 1409422-11 10:Analyzed: 10/07/14 23:32**					
2-Fluorophenol	5.20	5.19	0.01	+/-0.5	76	33 - 113	
Phenol-d6	6.86	6.91	-0.05	+/-0.5	78	30 - 115	
Nitrobenzene-d5	8.72	8.79	-0.07	+/-0.5	70	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	83	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	59	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	86	20 - 155	
GA-TU14SB22-33 (1409444-10)		**Lab File ID: 1409444-10 10:Analyzed: 10/08/14 00:37**					
2-Fluorophenol	5.20	5.19	0.00	+/-0.5	79	33 - 113	
Phenol-d6	6.86	6.91	-0.05	+/-0.5	82	30 - 115	
Nitrobenzene-d5	8.72	8.79	-0.07	+/-0.5	74	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	88	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	51	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	95	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J08019
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13SB01-08 (1409479-01)	**Lab File ID: 1409479-01.D Analyzed: 10/08/14 01:10**						
2-Fluorophenol	5.40	5.19	0.21	+/-0.5	68	33 - 113	
Phenol-d6	6.91	6.91	0.01	+/-0.5	50	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	74	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	82	46 - 122	
2,4,6-Tribromophenol	16.29	16.36	-0.08	+/-0.5	65	12 - 124	
o-Terphenyl	18.61	18.66	-0.06	+/-0.5	86	20 - 155	
GA-TU13SB01-32 (1409479-02)	**Lab File ID: 1409479-02.D Analyzed: 10/08/14 01:43**						
2-Fluorophenol	5.44	5.19	0.25	+/-0.5	56	33 - 113	
Phenol-d6	6.92	6.91	0.01	+/-0.5	36	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.05	+/-0.5	74	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	87	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	78	12 - 124	
o-Terphenyl	18.61	18.66	-0.06	+/-0.5	90	20 - 155	
GA-TU13SB02-14 (1409479-03)	**Lab File ID: 1409479-03.D Analyzed: 10/08/14 02:15**						
2-Fluorophenol	5.45	5.19	0.26	+/-0.5	75	33 - 113	
Phenol-d6	6.94	6.91	0.03	+/-0.5	80	30 - 115	
Nitrobenzene-d5	8.74	8.79	-0.05	+/-0.5	82	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	85	46 - 122	
2,4,6-Tribromophenol	16.29	16.36	-0.08	+/-0.5	88	12 - 124	
o-Terphenyl	18.61	18.66	-0.06	+/-0.5	86	20 - 155	
GA-TU13SB04-07 (1409479-05)	**Lab File ID: 1409479-05.D Analyzed: 10/08/14 02:47**						
2-Fluorophenol	5.89	5.19	0.70	+/-0.5	10	33 - 113	*
Phenol-d6	6.97	6.91	0.06	+/-0.5	48	30 - 115	
Nitrobenzene-d5	8.76	8.79	-0.03	+/-0.5	81	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.07	+/-0.5	82	46 - 122	
2,4,6-Tribromophenol	16.29	16.36	-0.08	+/-0.5	0.2	12 - 124	*
o-Terphenyl	18.61	18.66	-0.06	+/-0.5	88	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J08019

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J08019-TUN1	dft1007i.D	10/07/14 15:15
Calibration Check	4J08019-CCV1	10bna1007a.D	10/07/14 15:32
Calibration Check	4J08019-CCV2	10ab1007a.D	10/07/14 16:04
Blank	1410496-BLK1	1410496-blk1.D	10/07/14 16:34
GA-TU14SB23-33	1409444-04	1409444-04.D	10/07/14 17:38
GA-TU14SB24-33	1409444-06	1409444-06.D	10/07/14 18:10
GA-TU14SB21-5	1409444-07	1409444-07.D	10/07/14 18:43
GA-TU14SB21-33	1409444-08	1409444-08.D	10/07/14 19:16
GA-TU13SB02-33	1409479-04	1409479-04.D	10/07/14 19:48
GA-TU13SB06-33	1409479-13	1409479-13.D	10/07/14 20:20
GA-TU13SB07-33	1409479-15	1409479-15.D	10/07/14 20:52
GA-TU13SB05-33	1409479-18	1409479-18.D	10/07/14 21:24
GA-TU13SB03-33	1409479-16	1409479-16.D	10/07/14 21:56
GA-TU13SB04-33	1409479-06	1409479-06.D	10/07/14 22:28
GA-TU14SB16-12	1409422-01	1409422-01 10x.D	10/07/14 23:00
GA-TU14SB18-05	1409422-11	1409422-11 10x.D	10/07/14 23:32
GA-TU14SB24-07	1409444-05	1409444-05 10x.D	10/08/14 00:05
GA-TU14SB22-33	1409444-10	1409444-10 10x.D	10/08/14 00:37
GA-TU13SB01-08	1409479-01	1409479-01.D	10/08/14 01:10
GA-TU13SB01-32	1409479-02	1409479-02.D	10/08/14 01:43
GA-TU13SB02-14	1409479-03	1409479-03.D	10/08/14 02:15
GA-TU13SB04-07	1409479-05	1409479-05.D	10/08/14 02:47

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J08051
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J08051-CCV1)		**Lab File ID: 10bna1008.D**		**Analyzed: 10/08/14 08:18**			
2-Fluorophenol	5.11	5.19	-0.09	+/-0.5	80	80 - 120	
Phenol-d6	6.83	6.91	-0.08	+/-0.5	93	80 - 120	
Nitrobenzene-d5	8.70	8.79	-0.09	+/-0.5	93	80 - 120	
2-Fluorobiphenyl	12.85	12.94	-0.10	+/-0.5	95	80 - 120	
2,4,6-Tribromophenol	16.26	16.36	-0.10	+/-0.5	104	80 - 120	
o-Terphenyl	18.58	18.66	-0.08	+/-0.5	94	80 - 120	
LCS (1410496-BS1)		**Lab File ID: 1410496-bs1.D**		**Analyzed: 10/08/14 10:25**			
2-Fluorophenol	5.39	5.19	0.20	+/-0.5	74	33 - 113	
Phenol-d6	6.90	6.91	-0.01	+/-0.5	78	30 - 115	
Nitrobenzene-d5	8.71	8.79	-0.08	+/-0.5	81	33 - 131	
2-Fluorobiphenyl	12.84	12.94	-0.10	+/-0.5	86	46 - 122	
2,4,6-Tribromophenol	16.26	16.36	-0.10	+/-0.5	88	12 - 124	
o-Terphenyl	18.58	18.66	-0.08	+/-0.5	94	20 - 155	
GA-TU14SB16-12 (1409422-01RE1)		**Lab File ID: 1409422-01 20**		**Analyzed: 10/08/14 11:29**			
2-Fluorophenol	5.15	5.19	-0.04	+/-0.5	87	33 - 113	
Phenol-d6	6.82	6.91	-0.09	+/-0.5	86	30 - 115	
Nitrobenzene-d5	8.68	8.79	-0.11	+/-0.5	88	33 - 131	
2-Fluorobiphenyl	12.83	12.94	-0.11	+/-0.5	100	46 - 122	
2,4,6-Tribromophenol	16.25	16.36	-0.11	+/-0.5	63	12 - 124	
o-Terphenyl	18.58	18.66	-0.09	+/-0.5	112	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J08051

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J06006

Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J08051-TUN1	dft1008b.D	10/08/14 08:01
Calibration Check	4J08051-CCV1	10bna1008.D	10/08/14 08:18
Calibration Check	4J08051-CCV2	10ab1008.D	10/08/14 08:50
LCS	1410496-BS1	1410496-bs1.D	10/08/14 10:25
GA-TU14SB16-12	1409422-01RE1	1409422-01 20x.D	10/08/14 11:29

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Calibration: 4J06006
Sequence: 4J09008
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J09008-CCV1)		**Lab File ID: 10bna1008.D**		**Analyzed: 10/08/14 08:18**			
2-Fluorophenol	5.11	5.19	-0.09	+/-0.5	80	80 - 120	
Phenol-d6	6.83	6.91	-0.08	+/-0.5	93	80 - 120	
Nitrobenzene-d5	8.70	8.79	-0.09	+/-0.5	93	80 - 120	
2-Fluorobiphenyl	12.85	12.94	-0.10	+/-0.5	95	80 - 120	
2,4,6-Tribromophenol	16.26	16.36	-0.10	+/-0.5	104	80 - 120	
o-Terphenyl	18.58	18.66	-0.08	+/-0.5	94	80 - 120	
Blank (1410565-BLK1)		**Lab File ID: 1410565-blk1.I**		**Analyzed: 10/08/14 09:20**			
2-Fluorophenol	5.10	5.19	-0.10	+/-0.5	57	19 - 119	
Phenol-d6	6.81	6.91	-0.10	+/-0.5	39	18 - 45	
Nitrobenzene-d5	8.69	8.79	-0.10	+/-0.5	87	44 - 120	
2-Fluorobiphenyl	12.84	12.94	-0.11	+/-0.5	89	44 - 119	
2,4,6-Tribromophenol	16.25	16.36	-0.11	+/-0.5	90	43 - 140	
o-Terphenyl	18.58	18.66	-0.09	+/-0.5	98	42 - 125	
LCS (1410565-BS1)		**Lab File ID: 1410565-bs1.D**		**Analyzed: 10/08/14 09:52**			
2-Fluorophenol	5.10	5.19	-0.10	+/-0.5	43	19 - 119	
Phenol-d6	6.82	6.91	-0.09	+/-0.5	32	18 - 45	
Nitrobenzene-d5	8.69	8.79	-0.09	+/-0.5	78	44 - 120	
2-Fluorobiphenyl	12.84	12.94	-0.11	+/-0.5	82	44 - 119	
2,4,6-Tribromophenol	16.26	16.36	-0.10	+/-0.5	90	43 - 140	
o-Terphenyl	18.58	18.66	-0.08	+/-0.5	90	42 - 125	
GA-TU16GW29-01 (1409499-06)		**Lab File ID: 1409499-06.D**		**Analyzed: 10/08/14 10:57**			
2-Fluorophenol	5.10	5.19	-0.09	+/-0.5	50	19 - 119	
Phenol-d6	6.81	6.91	-0.10	+/-0.5	33	18 - 45	
Nitrobenzene-d5	8.69	8.79	-0.10	+/-0.5	80	44 - 120	
2-Fluorobiphenyl	12.84	12.94	-0.11	+/-0.5	81	44 - 119	
2,4,6-Tribromophenol	16.25	16.36	-0.11	+/-0.5	91	43 - 140	
o-Terphenyl	18.58	18.66	-0.08	+/-0.5	94	42 - 125	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J09008

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J06006

Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J09008-TUN1	dft1008b.D	10/08/14 08:01
Calibration Check	4J09008-CCV1	10bna1008.D	10/08/14 08:18
Calibration Check	4J09008-CCV2	10ab1008.D	10/08/14 08:50
Blank	1410565-BLK1	1410565-blk1.D	10/08/14 09:20
LCS	1410565-BS1	1410565-bs1.D	10/08/14 09:52
GA-TU16GW29-01	1409499-06	1409499-06.D	10/08/14 10:57

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J09062
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J09062-CCV1)		**Lab File ID: 10bna1008a.D Analyzed: 10/08/14 14:59**					
2-Fluorophenol	5.07	5.19	-0.12	+/-0.5	96	80 - 120	
Phenol-d6	6.80	6.91	-0.11	+/-0.5	93	80 - 120	
Nitrobenzene-d5	8.66	8.79	-0.12	+/-0.5	93	80 - 120	
2-Fluorobiphenyl	12.81	12.94	-0.13	+/-0.5	93	80 - 120	
2,4,6-Tribromophenol	16.22	16.36	-0.14	+/-0.5	100	80 - 120	
o-Terphenyl	18.56	18.66	-0.10	+/-0.5	94	80 - 120	
Blank (1410563-BLK1)		**Lab File ID: 1410563-blk1.IAnalyzed: 10/08/14 16:02**					
2-Fluorophenol	5.24	5.19	0.05	+/-0.5	72	33 - 113	
Phenol-d6	6.84	6.91	-0.07	+/-0.5	74	30 - 115	
Nitrobenzene-d5	8.65	8.79	-0.14	+/-0.5	79	33 - 131	
2-Fluorobiphenyl	12.80	12.94	-0.14	+/-0.5	83	46 - 122	
2,4,6-Tribromophenol	16.21	16.36	-0.15	+/-0.5	75	12 - 124	
o-Terphenyl	18.55	18.66	-0.11	+/-0.5	94	20 - 155	
LCS (1410563-BS1)		**Lab File ID: 1410563-bs1.DAnalyzed: 10/08/14 16:34**					
2-Fluorophenol	5.24	5.19	0.05	+/-0.5	67	33 - 113	
Phenol-d6	6.84	6.91	-0.06	+/-0.5	69	30 - 115	
Nitrobenzene-d5	8.66	8.79	-0.13	+/-0.5	70	33 - 131	
2-Fluorobiphenyl	12.80	12.94	-0.14	+/-0.5	75	46 - 122	
2,4,6-Tribromophenol	16.22	16.36	-0.15	+/-0.5	79	12 - 124	
o-Terphenyl	18.55	18.66	-0.11	+/-0.5	83	20 - 155	
GA-TU16SB29-15 (1409499-08)		**Lab File ID: 1409499-08.D Analyzed: 10/08/14 19:15**					
2-Fluorophenol	5.27	5.19	0.07	+/-0.5	75	33 - 113	
Phenol-d6	6.84	6.91	-0.06	+/-0.5	78	30 - 115	
Nitrobenzene-d5	8.66	8.79	-0.13	+/-0.5	79	33 - 131	
2-Fluorobiphenyl	12.80	12.94	-0.14	+/-0.5	81	46 - 122	
2,4,6-Tribromophenol	16.22	16.36	-0.15	+/-0.5	87	12 - 124	
o-Terphenyl	18.56	18.66	-0.10	+/-0.5	87	20 - 155	
GA-TU16SB29-15DUP (1409499-09)		**Lab File ID: 1409499-09.D Analyzed: 10/08/14 19:47**					
2-Fluorophenol	5.25	5.19	0.05	+/-0.5	70	33 - 113	
Phenol-d6	6.84	6.91	-0.06	+/-0.5	72	30 - 115	
Nitrobenzene-d5	8.66	8.79	-0.13	+/-0.5	74	33 - 131	
2-Fluorobiphenyl	12.80	12.94	-0.14	+/-0.5	78	46 - 122	
2,4,6-Tribromophenol	16.22	16.36	-0.15	+/-0.5	84	12 - 124	
o-Terphenyl	18.56	18.66	-0.10	+/-0.5	83	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J09062
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU16SB29-44 (1409499-10)		**Lab File ID: 1409499-10.D**		**Analyzed: 10/08/14 20:19**			
2-Fluorophenol	5.26	5.19	0.07	+/-0.5	70	33 - 113	
Phenol-d6	6.84	6.91	-0.06	+/-0.5	73	30 - 115	
Nitrobenzene-d5	8.66	8.79	-0.13	+/-0.5	74	33 - 131	
2-Fluorobiphenyl	12.80	12.94	-0.14	+/-0.5	77	46 - 122	
2,4,6-Tribromophenol	16.21	16.36	-0.15	+/-0.5	73	12 - 124	
o-Terphenyl	18.55	18.66	-0.11	+/-0.5	81	20 - 155	
GA-TU13SB01-08 (1409479-01RE1)		**Lab File ID: 1409479-01 10**		**Analyzed: 10/08/14 22:30**			
2-Fluorophenol	5.13	5.19	-0.07	+/-0.5	65	33 - 113	
Phenol-d6	6.79	6.91	-0.12	+/-0.5	69	30 - 115	
Nitrobenzene-d5	8.65	8.79	-0.14	+/-0.5	65	33 - 131	
2-Fluorobiphenyl	12.80	12.94	-0.15	+/-0.5	75	46 - 122	
2,4,6-Tribromophenol	16.21	16.36	-0.15	+/-0.5	46	12 - 124	
o-Terphenyl	18.55	18.66	-0.11	+/-0.5	82	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J09062

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J06006

Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J09062-TUN1	dft1008e.D	10/08/14 14:42
Calibration Check	4J09062-CCV1	10bna1008a.D	10/08/14 14:59
Calibration Check	4J09062-CCV2	10ab1008a.D	10/08/14 15:32
Blank	1410563-BLK1	1410563-blk1.D	10/08/14 16:02
LCS	1410563-BS1	1410563-bs1.D	10/08/14 16:34
GA-TU16SB29-15	1409499-08	1409499-08.D	10/08/14 19:15
GA-TU16SB29-15DUP	1409499-09	1409499-09.D	10/08/14 19:47
GA-TU16SB29-44	1409499-10	1409499-10.D	10/08/14 20:19
GA-TU13SB01-08	1409479-01RE1	1409479-01 10x.D	10/08/14 22:30

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Calibration: 4J06006
Sequence: 4J09063
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J09063-CCV1)		**Lab File ID: 10bna1008a.D Analyzed: 10/08/14 14:59**					
2-Fluorophenol	5.07	5.19	-0.12	+/-0.5	96	80 - 120	
Phenol-d6	6.80	6.91	-0.11	+/-0.5	93	80 - 120	
Nitrobenzene-d5	8.66	8.79	-0.12	+/-0.5	93	80 - 120	
2-Fluorobiphenyl	12.81	12.94	-0.13	+/-0.5	93	80 - 120	
2,4,6-Tribromophenol	16.22	16.36	-0.14	+/-0.5	100	80 - 120	
o-Terphenyl	18.56	18.66	-0.10	+/-0.5	94	80 - 120	
GA-TU16GW29-01 (1409499-06RE1)		**Lab File ID: 1409499-06 2x.Analyzed: 10/08/14 17:06**					
2-Fluorophenol	5.06	5.19	-0.14	+/-0.5	49	19 - 119	
Phenol-d6	6.77	6.91	-0.13	+/-0.5	32	18 - 45	
Nitrobenzene-d5	8.65	8.79	-0.14	+/-0.5	78	44 - 120	
2-Fluorobiphenyl	12.80	12.94	-0.14	+/-0.5	79	44 - 119	
2,4,6-Tribromophenol	16.21	16.36	-0.15	+/-0.5	82	43 - 140	
o-Terphenyl	18.55	18.66	-0.11	+/-0.5	96	42 - 125	
FQC-EB092614JC-001 (1409499-07)		**Lab File ID: 1409499-07.D Analyzed: 10/08/14 17:38**					
2-Fluorophenol	5.06	5.19	-0.14	+/-0.5	47	19 - 119	
Phenol-d6	6.77	6.91	-0.13	+/-0.5	31	18 - 45	
Nitrobenzene-d5	8.65	8.79	-0.14	+/-0.5	77	44 - 120	
2-Fluorobiphenyl	12.80	12.94	-0.14	+/-0.5	76	44 - 119	
2,4,6-Tribromophenol	16.22	16.36	-0.15	+/-0.5	82	43 - 140	
o-Terphenyl	18.55	18.66	-0.11	+/-0.5	88	42 - 125	
GA-TU13GW08-01 (1410014-09)		**Lab File ID: 1410014-09.D Analyzed: 10/08/14 18:11**					
2-Fluorophenol	5.06	5.19	-0.13	+/-0.5	47	19 - 119	
Phenol-d6	6.78	6.91	-0.13	+/-0.5	30	18 - 45	
Nitrobenzene-d5	8.65	8.79	-0.14	+/-0.5	81	44 - 120	
2-Fluorobiphenyl	12.80	12.94	-0.14	+/-0.5	82	44 - 119	
2,4,6-Tribromophenol	16.22	16.36	-0.15	+/-0.5	97	43 - 140	
o-Terphenyl	18.56	18.66	-0.10	+/-0.5	94	42 - 125	
GA-TU13GW13-01 (1410025-09)		**Lab File ID: 1410025-09.D Analyzed: 10/08/14 18:43**					
2-Fluorophenol	5.06	5.19	-0.14	+/-0.5	48	19 - 119	
Phenol-d6	6.78	6.91	-0.13	+/-0.5	32	18 - 45	
Nitrobenzene-d5	8.65	8.79	-0.14	+/-0.5	81	44 - 120	
2-Fluorobiphenyl	12.80	12.94	-0.14	+/-0.5	79	44 - 119	
2,4,6-Tribromophenol	16.21	16.36	-0.15	+/-0.5	81	43 - 140	
o-Terphenyl	18.55	18.66	-0.11	+/-0.5	88	42 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Calibration: 4J06006
Sequence: 4J09063
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13GW09-01 (1410014-10)		**Lab File ID: 1410014-10.D**		**Analyzed: 10/08/14 21:24**			
2-Fluorophenol	5.06	5.19	-0.13	+/-0.5	33	19 - 119	
Phenol-d6	6.78	6.91	-0.13	+/-0.5	25	18 - 45	
Nitrobenzene-d5	8.65	8.79	-0.14	+/-0.5	75	44 - 120	
2-Fluorobiphenyl	12.80	12.94	-0.14	+/-0.5	76	44 - 119	
2,4,6-Tribromophenol	16.21	16.36	-0.15	+/-0.5	57	43 - 140	
o-Terphenyl	18.55	18.66	-0.11	+/-0.5	85	42 - 125	
GA-TU13GW12-01 (1410025-08)		**Lab File ID: 1410025-08.D**		**Analyzed: 10/08/14 21:57**			
2-Fluorophenol	5.06	5.19	-0.14	+/-0.5	49	19 - 119	
Phenol-d6	6.78	6.91	-0.13	+/-0.5	32	18 - 45	
Nitrobenzene-d5	8.65	8.79	-0.14	+/-0.5	78	44 - 120	
2-Fluorobiphenyl	12.80	12.94	-0.14	+/-0.5	79	44 - 119	
2,4,6-Tribromophenol	16.22	16.36	-0.15	+/-0.5	92	43 - 140	
o-Terphenyl	18.55	18.66	-0.11	+/-0.5	89	42 - 125	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J09063

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J09063-TUN1	dft1008e.D	10/08/14 14:42
Calibration Check	4J09063-CCV1	10bna1008a.D	10/08/14 14:59
Calibration Check	4J09063-CCV2	10ab1008a.D	10/08/14 15:32
GA-TU16GW29-01	1409499-06RE1	1409499-06 2x.D	10/08/14 17:06
FQC-EB092614JC-001	1409499-07	1409499-07.D	10/08/14 17:38
GA-TU13GW08-01	1410014-09	1410014-09.D	10/08/14 18:11
GA-TU13GW13-01	1410025-09	1410025-09.D	10/08/14 18:43
GA-TU13GW09-01	1410014-10	1410014-10.D	10/08/14 21:24
GA-TU13GW12-01	1410025-08	1410025-08.D	10/08/14 21:57

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J10038
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J10038-CCV1)		**Lab File ID: 10bna1010.D**		**Analyzed: 10/10/14 08:47**			
2-Fluorophenol	5.04	5.19	-0.16	+/-0.5	93	80 - 120	
Phenol-d6	6.77	6.91	-0.14	+/-0.5	94	80 - 120	
Nitrobenzene-d5	8.64	8.79	-0.15	+/-0.5	95	80 - 120	
2-Fluorobiphenyl	12.78	12.94	-0.16	+/-0.5	95	80 - 120	
2,4,6-Tribromophenol	16.19	16.36	-0.17	+/-0.5	95	80 - 120	
o-Terphenyl	18.54	18.66	-0.13	+/-0.5	92	80 - 120	
Blank (1410496-BLK2)		**Lab File ID: 1410496-blk2.I**		**Analyzed: 10/10/14 09:50**			
2-Fluorophenol	5.29	5.19	0.10	+/-0.5	73	33 - 113	
Phenol-d6	6.82	6.91	-0.09	+/-0.5	80	30 - 115	
Nitrobenzene-d5	8.63	8.79	-0.15	+/-0.5	86	33 - 131	
2-Fluorobiphenyl	12.77	12.94	-0.17	+/-0.5	88	46 - 122	
2,4,6-Tribromophenol	16.18	16.36	-0.18	+/-0.5	70	12 - 124	
o-Terphenyl	18.53	18.66	-0.14	+/-0.5	93	20 - 155	
LCS (1410496-BS2)		**Lab File ID: 1410496-bs2.D**		**Analyzed: 10/10/14 10:22**			
2-Fluorophenol	5.29	5.19	0.09	+/-0.5	80	33 - 113	
Phenol-d6	6.83	6.91	-0.08	+/-0.5	87	30 - 115	
Nitrobenzene-d5	8.64	8.79	-0.15	+/-0.5	91	33 - 131	
2-Fluorobiphenyl	12.78	12.94	-0.17	+/-0.5	100	46 - 122	
2,4,6-Tribromophenol	16.19	16.36	-0.18	+/-0.5	91	12 - 124	
o-Terphenyl	18.53	18.66	-0.14	+/-0.5	104	20 - 155	
GA-TU13SB02-33 (1409479-04RE1)		**Lab File ID: 1409479-04 re1**		**Analyzed: 10/10/14 11:27**			
2-Fluorophenol	5.28	5.19	0.09	+/-0.5	80	33 - 113	
Phenol-d6	6.82	6.91	-0.09	+/-0.5	88	30 - 115	
Nitrobenzene-d5	8.63	8.79	-0.15	+/-0.5	95	33 - 131	
2-Fluorobiphenyl	12.77	12.94	-0.17	+/-0.5	97	46 - 122	
2,4,6-Tribromophenol	16.18	16.36	-0.18	+/-0.5	86	12 - 124	
o-Terphenyl	18.53	18.66	-0.14	+/-0.5	105	20 - 155	
GA-TU13SB04-33 (1409479-06RE1)		**Lab File ID: 1409479-06 re1**		**Analyzed: 10/10/14 11:59**			
2-Fluorophenol	5.29	5.19	0.09	+/-0.5	84	33 - 113	
Phenol-d6	6.83	6.91	-0.08	+/-0.5	93	30 - 115	
Nitrobenzene-d5	8.64	8.79	-0.15	+/-0.5	100	33 - 131	
2-Fluorobiphenyl	12.77	12.94	-0.17	+/-0.5	104	46 - 122	
2,4,6-Tribromophenol	16.18	16.36	-0.18	+/-0.5	87	12 - 124	
o-Terphenyl	18.53	18.66	-0.14	+/-0.5	113	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J10038
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13SB05-33 (1409479-18RE1)		**Lab File ID: 1409479-18re1**		**Analyzed: 10/10/14 12:31**			
2-Fluorophenol	5.29	5.19	0.10	+/-0.5	73	33 - 113	
Phenol-d6	6.83	6.91	-0.08	+/-0.5	79	30 - 115	
Nitrobenzene-d5	8.64	8.79	-0.15	+/-0.5	86	33 - 131	
2-Fluorobiphenyl	12.78	12.94	-0.17	+/-0.5	91	46 - 122	
2,4,6-Tribromophenol	16.18	16.36	-0.18	+/-0.5	80	12 - 124	
o-Terphenyl	18.53	18.66	-0.14	+/-0.5	99	20 - 155	
GA-TU13SB01-32 (1409479-02RE1)		**Lab File ID: 1409479-02 10**		**Analyzed: 10/10/14 13:04**			
2-Fluorophenol	5.09	5.19	-0.10	+/-0.5	70	33 - 113	
Phenol-d6	6.77	6.91	-0.14	+/-0.5	73	30 - 115	
Nitrobenzene-d5	8.62	8.79	-0.17	+/-0.5	73	33 - 131	
2-Fluorobiphenyl	12.77	12.94	-0.17	+/-0.5	81	46 - 122	
2,4,6-Tribromophenol	16.17	16.36	-0.19	+/-0.5	43	12 - 124	
o-Terphenyl	18.52	18.66	-0.14	+/-0.5	92	20 - 155	
GA-TU13SB02-14 (1409479-03RE1)		**Lab File ID: 1409479-03 10**		**Analyzed: 10/10/14 13:36**			
2-Fluorophenol	5.10	5.19	-0.09	+/-0.5	76	33 - 113	
Phenol-d6	6.77	6.91	-0.14	+/-0.5	80	30 - 115	
Nitrobenzene-d5	8.63	8.79	-0.16	+/-0.5	78	33 - 131	
2-Fluorobiphenyl	12.77	12.94	-0.17	+/-0.5	87	46 - 122	
2,4,6-Tribromophenol	16.17	16.36	-0.19	+/-0.5	62	12 - 124	
o-Terphenyl	18.52	18.66	-0.14	+/-0.5	94	20 - 155	
GA-TU13SB06-14 (1409479-12)		**Lab File ID: 1409479-12 10**		**Analyzed: 10/10/14 14:08**			
2-Fluorophenol	5.09	5.19	-0.10	+/-0.5	73	33 - 113	
Phenol-d6	6.76	6.91	-0.15	+/-0.5	78	30 - 115	
Nitrobenzene-d5	8.63	8.79	-0.16	+/-0.5	74	33 - 131	
2-Fluorobiphenyl	12.77	12.94	-0.17	+/-0.5	80	46 - 122	
2,4,6-Tribromophenol	16.17	16.36	-0.19	+/-0.5	61	12 - 124	
o-Terphenyl	18.52	18.66	-0.14	+/-0.5	85	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J10038

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J10038-TUN1	dft1010b.D	10/10/14 08:29
Calibration Check	4J10038-CCV1	10bna1010.D	10/10/14 08:47
Calibration Check	4J10038-CCV2	10ab1010.D	10/10/14 09:20
Blank	1410496-BLK2	1410496-blk2.D	10/10/14 09:50
LCS	1410496-BS2	1410496-bs2.D	10/10/14 10:22
GA-TU14SB24-07	1409444-05RE1	1409444-05 20x.D	10/10/14 10:55
GA-TU13SB02-33	1409479-04RE1	1409479-04 re1.D	10/10/14 11:27
GA-TU13SB04-33	1409479-06RE1	1409479-06 re1.D	10/10/14 11:59
GA-TU13SB05-33	1409479-18RE1	1409479-18re1.D	10/10/14 12:31
GA-TU13SB01-32	1409479-02RE1	1409479-02 10x.D	10/10/14 13:04
GA-TU13SB02-14	1409479-03RE1	1409479-03 10x.D	10/10/14 13:36
GA-TU13SB06-14	1409479-12	1409479-12 10x.D	10/10/14 14:08

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J15024
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J15024-CCV1)		**Lab File ID: 10bna1010a.D Analyzed: 10/10/14 15:17**					
2-Fluorophenol	5.01	5.19	-0.19	+/-0.5	99	80 - 120	
Phenol-d6	6.74	6.91	-0.17	+/-0.5	95	80 - 120	
Nitrobenzene-d5	8.61	8.79	-0.18	+/-0.5	97	80 - 120	
2-Fluorobiphenyl	12.75	12.94	-0.19	+/-0.5	94	80 - 120	
2,4,6-Tribromophenol	16.16	16.36	-0.21	+/-0.5	94	80 - 120	
o-Terphenyl	18.51	18.66	-0.15	+/-0.5	95	80 - 120	
GA-TU13SB8-34 (1410014-02)		**Lab File ID: 1410014-02.D Analyzed: 10/10/14 16:52**					
2-Fluorophenol	5.21	5.19	0.02	+/-0.5	84	33 - 113	
Phenol-d6	6.79	6.91	-0.12	+/-0.5	90	30 - 115	
Nitrobenzene-d5	8.60	8.79	-0.19	+/-0.5	99	33 - 131	
2-Fluorobiphenyl	12.74	12.94	-0.20	+/-0.5	102	46 - 122	
2,4,6-Tribromophenol	16.14	16.36	-0.22	+/-0.5	84	12 - 124	
o-Terphenyl	18.50	18.66	-0.16	+/-0.5	115	20 - 155	
GA-TU13SB9-34 (1410014-04)		**Lab File ID: 1410014-04.D Analyzed: 10/10/14 17:24**					
2-Fluorophenol	5.22	5.19	0.03	+/-0.5	84	33 - 113	
Phenol-d6	6.79	6.91	-0.12	+/-0.5	90	30 - 115	
Nitrobenzene-d5	8.60	8.79	-0.19	+/-0.5	98	33 - 131	
2-Fluorobiphenyl	12.74	12.94	-0.20	+/-0.5	100	46 - 122	
2,4,6-Tribromophenol	16.14	16.36	-0.22	+/-0.5	83	12 - 124	
o-Terphenyl	18.50	18.66	-0.16	+/-0.5	108	20 - 155	
GA-TU13SB9-20 (1410014-03)		**Lab File ID: 1410014-03.D Analyzed: 10/10/14 17:56**					
2-Fluorophenol	5.22	5.19	0.02	+/-0.5	79	33 - 113	
Phenol-d6	6.79	6.91	-0.12	+/-0.5	88	30 - 115	
Nitrobenzene-d5	8.60	8.79	-0.19	+/-0.5	95	33 - 131	
2-Fluorobiphenyl	12.74	12.94	-0.20	+/-0.5	97	46 - 122	
2,4,6-Tribromophenol	16.14	16.36	-0.22	+/-0.5	36	12 - 124	
o-Terphenyl	18.50	18.66	-0.16	+/-0.5	105	20 - 155	
GA-TU13SB11-20 (1410014-07)		**Lab File ID: 1410014-07.D Analyzed: 10/10/14 18:28**					
2-Fluorophenol	5.20	5.19	0.01	+/-0.5	82	33 - 113	
Phenol-d6	6.78	6.91	-0.13	+/-0.5	90	30 - 115	
Nitrobenzene-d5	8.60	8.79	-0.19	+/-0.5	96	33 - 131	
2-Fluorobiphenyl	12.74	12.94	-0.20	+/-0.5	99	46 - 122	
2,4,6-Tribromophenol	16.14	16.36	-0.22	+/-0.5	69	12 - 124	
o-Terphenyl	18.50	18.66	-0.16	+/-0.5	115	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J15024

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Matrix Spike (1410563-MS1)		**Lab File ID: 1410563-ms1.D**		**Analyzed: 10/10/14 19:00**			
2-Fluorophenol	5.23	5.19	0.03	+/-0.5	87	33 - 113	
Phenol-d6	6.79	6.91	-0.11	+/-0.5	93	30 - 115	
Nitrobenzene-d5	8.61	8.79	-0.18	+/-0.5	97	33 - 131	
2-Fluorobiphenyl	12.75	12.94	-0.20	+/-0.5	100	46 - 122	
2,4,6-Tribromophenol	16.16	16.36	-0.21	+/-0.5	104	12 - 124	
o-Terphenyl	18.50	18.66	-0.16	+/-0.5	108	20 - 155	
GA-TU13SB10-34 (1410014-06)		**Lab File ID: 1410014-06.D**		**Analyzed: 10/10/14 20:36**			
2-Fluorophenol	5.21	5.19	0.02	+/-0.5	91	33 - 113	
Phenol-d6	6.79	6.91	-0.12	+/-0.5	99	30 - 115	
Nitrobenzene-d5	8.60	8.79	-0.19	+/-0.5	105	33 - 131	
2-Fluorobiphenyl	12.74	12.94	-0.20	+/-0.5	107	46 - 122	
2,4,6-Tribromophenol	16.15	16.36	-0.21	+/-0.5	88	12 - 124	
o-Terphenyl	18.50	18.66	-0.16	+/-0.5	112	20 - 155	
GA-TU16SB30-08 (1409499-02)		**Lab File ID: 1409499-02.D**		**Analyzed: 10/10/14 21:09**			
2-Fluorophenol	5.20	5.19	0.00	+/-0.5	82	33 - 113	
Phenol-d6	6.78	6.91	-0.13	+/-0.5	87	30 - 115	
Nitrobenzene-d5	8.60	8.79	-0.19	+/-0.5	91	33 - 131	
2-Fluorobiphenyl	12.74	12.94	-0.20	+/-0.5	94	46 - 122	
2,4,6-Tribromophenol	16.15	16.36	-0.21	+/-0.5	90	12 - 124	
o-Terphenyl	18.50	18.66	-0.16	+/-0.5	99	20 - 155	
GA-TU16SB32-17 (1409499-04)		**Lab File ID: 1409499-04.D**		**Analyzed: 10/10/14 21:41**			
2-Fluorophenol	5.20	5.19	0.00	+/-0.5	85	33 - 113	
Phenol-d6	6.78	6.91	-0.13	+/-0.5	92	30 - 115	
Nitrobenzene-d5	8.60	8.79	-0.19	+/-0.5	95	33 - 131	
2-Fluorobiphenyl	12.74	12.94	-0.20	+/-0.5	97	46 - 122	
2,4,6-Tribromophenol	16.14	16.36	-0.22	+/-0.5	88	12 - 124	
o-Terphenyl	18.50	18.66	-0.16	+/-0.5	104	20 - 155	
GA-TU13SB11-34 (1410014-08)		**Lab File ID: 1410014-08.D**		**Analyzed: 10/11/14 00:22**			
2-Fluorophenol	5.22	5.19	0.03	+/-0.5	79	33 - 113	
Phenol-d6	6.79	6.91	-0.12	+/-0.5	92	30 - 115	
Nitrobenzene-d5	8.60	8.79	-0.19	+/-0.5	97	33 - 131	
2-Fluorobiphenyl	12.74	12.94	-0.20	+/-0.5	102	46 - 122	
2,4,6-Tribromophenol	16.14	16.36	-0.22	+/-0.5	7	12 - 124	*
o-Terphenyl	18.50	18.66	-0.16	+/-0.5	106	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J15024
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13SB8-15 (1410014-01)		**Lab File ID: 1410014-01.D**		**Analyzed: 10/11/14 00:55**			
2-Fluorophenol	5.24	5.19	0.05	+/-0.5	90	33 - 113	
Phenol-d6	6.79	6.91	-0.11	+/-0.5	96	30 - 115	
Nitrobenzene-d5	8.60	8.79	-0.19	+/-0.5	100	33 - 131	
2-Fluorobiphenyl	12.75	12.94	-0.20	+/-0.5	106	46 - 122	
2,4,6-Tribromophenol	16.15	16.36	-0.21	+/-0.5	99	12 - 124	
o-Terphenyl	18.50	18.66	-0.16	+/-0.5	109	20 - 155	
GA-TU13SB10-15 (1410014-05)		**Lab File ID: 1410014-05.D**		**Analyzed: 10/11/14 01:27**			
2-Fluorophenol	5.23	5.19	0.03	+/-0.5	91	33 - 113	
Phenol-d6	6.79	6.91	-0.11	+/-0.5	97	30 - 115	
Nitrobenzene-d5	8.60	8.79	-0.19	+/-0.5	102	33 - 131	
2-Fluorobiphenyl	12.74	12.94	-0.20	+/-0.5	108	46 - 122	
2,4,6-Tribromophenol	16.15	16.36	-0.21	+/-0.5	99	12 - 124	
o-Terphenyl	18.50	18.66	-0.16	+/-0.5	110	20 - 155	
GA-TU16SB33-10 (1409499-05)		**Lab File ID: 1409499-05.D**		**Analyzed: 10/11/14 02:00**			
2-Fluorophenol	5.21	5.19	0.02	+/-0.5	91	33 - 113	
Phenol-d6	6.79	6.91	-0.12	+/-0.5	96	30 - 115	
Nitrobenzene-d5	8.60	8.79	-0.19	+/-0.5	99	33 - 131	
2-Fluorobiphenyl	12.74	12.94	-0.20	+/-0.5	104	46 - 122	
2,4,6-Tribromophenol	16.15	16.36	-0.21	+/-0.5	95	12 - 124	
o-Terphenyl	18.50	18.66	-0.16	+/-0.5	108	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J15024

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J15024-TUN1	dft1010e.D	10/10/14 15:01
Calibration Check	4J15024-CCV1	10bna1010a.D	10/10/14 15:17
Calibration Check	4J15024-CCV2	10ab1010a.D	10/10/14 15:50
GA-TU13SB8-34	1410014-02	1410014-02.D	10/10/14 16:52
GA-TU13SB9-34	1410014-04	1410014-04.D	10/10/14 17:24
GA-TU13SB9-20	1410014-03	1410014-03.D	10/10/14 17:56
GA-TU13SB11-20	1410014-07	1410014-07.D	10/10/14 18:28
GA-TU16SB29-15	1410563-MS1	1410563-ms1.D	10/10/14 19:00
GA-TU13SB10-34	1410014-06	1410014-06.D	10/10/14 20:36
GA-TU16SB30-08	1409499-02	1409499-02.D	10/10/14 21:09
GA-TU16SB32-17	1409499-04	1409499-04.D	10/10/14 21:41
GA-TU13SB11-34	1410014-08	1410014-08.D	10/11/14 00:22
GA-TU13SB8-15	1410014-01	1410014-01.D	10/11/14 00:55
GA-TU13SB10-15	1410014-05	1410014-05.D	10/11/14 01:27
GA-TU16SB33-10	1409499-05	1409499-05.D	10/11/14 02:00
GA-TU13SB05-12	1409479-17	1409479-17 10x.D	10/11/14 02:32

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J15031
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J15031-CCV1)		**Lab File ID: 10bna1014.D**		**Analyzed: 10/14/14 08:02**			
2-Fluorophenol	5.17	5.19	-0.02	+/-0.5	100	80 - 120	
Phenol-d6	6.89	6.91	-0.02	+/-0.5	99	80 - 120	
Nitrobenzene-d5	8.77	8.79	-0.02	+/-0.5	97	80 - 120	
2-Fluorobiphenyl	12.92	12.94	-0.02	+/-0.5	94	80 - 120	
2,4,6-Tribromophenol	16.33	16.36	-0.03	+/-0.5	103	80 - 120	
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	94	80 - 120	
Matrix Spike Dup (1410563-MSD1)		**Lab File ID: 1410563-msd1.Analyzed: 10/14/14 09:37**					
2-Fluorophenol	5.37	5.19	0.18	+/-0.5	93	33 - 113	
Phenol-d6	6.93	6.91	0.02	+/-0.5	97	30 - 115	
Nitrobenzene-d5	8.76	8.79	-0.02	+/-0.5	96	33 - 131	
2-Fluorobiphenyl	12.91	12.94	-0.04	+/-0.5	99	46 - 122	
2,4,6-Tribromophenol	16.33	16.36	-0.03	+/-0.5	108	12 - 124	
o-Terphenyl	18.63	18.66	-0.03	+/-0.5	105	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J15031

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J15031-TUN1	dft1014b.D	10/14/14 07:43
Calibration Check	4J15031-CCV1	10bna1014.D	10/14/14 08:02
Calibration Check	4J15031-CCV2	10ab1014.D	10/14/14 08:34
GA-TU16SB29-15	1410563-MSD1	1410563-msd1.D	10/14/14 09:37

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J15034
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J15034-CCV1)		**Lab File ID: 10bna1014.D**		**Analyzed: 10/14/14 13:35**			
2-Fluorophenol	5.15	5.19	-0.04	+/-0.5	100	80 - 120	
Phenol-d6	6.87	6.91	-0.03	+/-0.5	98	80 - 120	
Nitrobenzene-d5	8.75	8.79	-0.04	+/-0.5	96	80 - 120	
2-Fluorobiphenyl	12.89	12.94	-0.05	+/-0.5	94	80 - 120	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	101	80 - 120	
o-Terphenyl	18.61	18.66	-0.05	+/-0.5	95	80 - 120	
GA-TU13SB10-34 (1410014-06RE1)		**Lab File ID: 1410014-06 2x.Analyzed: 10/14/14 15:43**					
2-Fluorophenol	5.27	5.19	0.07	+/-0.5	89	33 - 113	
Phenol-d6	6.89	6.91	-0.02	+/-0.5	91	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	88	33 - 131	
2-Fluorobiphenyl	12.88	12.94	-0.07	+/-0.5	93	46 - 122	
2,4,6-Tribromophenol	16.29	16.36	-0.08	+/-0.5	77	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	105	20 - 155	
GA-TU16SB30-08 (1409499-02RE1)		**Lab File ID: 1409499-02 2x.Analyzed: 10/14/14 17:19**					
2-Fluorophenol	5.27	5.19	0.08	+/-0.5	85	33 - 113	
Phenol-d6	6.89	6.91	-0.02	+/-0.5	88	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	81	33 - 131	
2-Fluorobiphenyl	12.88	12.94	-0.07	+/-0.5	86	46 - 122	
2,4,6-Tribromophenol	16.29	16.36	-0.07	+/-0.5	85	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	96	20 - 155	
GA-TU16SB32-17 (1409499-04RE1)		**Lab File ID: 1409499-04 2x.Analyzed: 10/14/14 17:52**					
2-Fluorophenol	5.27	5.19	0.07	+/-0.5	88	33 - 113	
Phenol-d6	6.89	6.91	-0.02	+/-0.5	90	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	84	33 - 131	
2-Fluorobiphenyl	12.88	12.94	-0.07	+/-0.5	89	46 - 122	
2,4,6-Tribromophenol	16.29	16.36	-0.08	+/-0.5	85	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	99	20 - 155	
GA-TU13SB07-08 (1409479-14)		**Lab File ID: 1409479-14 10:Analyzed: 10/14/14 18:56**					
2-Fluorophenol	5.22	5.19	0.03	+/-0.5	78	33 - 113	
Phenol-d6	6.86	6.91	-0.05	+/-0.5	80	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	70	33 - 131	
2-Fluorobiphenyl	12.88	12.94	-0.07	+/-0.5	82	46 - 122	
2,4,6-Tribromophenol	16.29	16.36	-0.07	+/-0.5	51	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	88	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J15034
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU16SB29-44DUP (1409499-11)		**Lab File ID: 1409499-11.D Analyzed: 10/14/14 19:28**					
2-Fluorophenol	5.35	5.19	0.15	+/-0.5	88	33 - 113	
Phenol-d6	6.91	6.91	0.00	+/-0.5	92	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.05	+/-0.5	94	33 - 131	
2-Fluorobiphenyl	12.88	12.94	-0.07	+/-0.5	99	46 - 122	
2,4,6-Tribromophenol	16.29	16.36	-0.08	+/-0.5	82	12 - 124	
o-Terphenyl	18.61	18.66	-0.06	+/-0.5	104	20 - 155	
GA-TU13SB8-15 (1410014-01RE1)		**Lab File ID: 1410014-01 5x.Analyzed: 10/14/14 20:33**					
2-Fluorophenol	5.23	5.19	0.03	+/-0.5	90	33 - 113	
Phenol-d6	6.87	6.91	-0.04	+/-0.5	91	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	81	33 - 131	
2-Fluorobiphenyl	12.88	12.94	-0.07	+/-0.5	90	46 - 122	
2,4,6-Tribromophenol	16.29	16.36	-0.08	+/-0.5	82	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	96	20 - 155	
GA-TU16SB31-08 (1409499-03)		**Lab File ID: 1409499-03 5x.Analyzed: 10/14/14 22:41**					
2-Fluorophenol	5.21	5.19	0.01	+/-0.5	93	33 - 113	
Phenol-d6	6.87	6.91	-0.04	+/-0.5	92	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	80	33 - 131	
2-Fluorobiphenyl	12.88	12.94	-0.07	+/-0.5	93	46 - 122	
2,4,6-Tribromophenol	16.29	16.36	-0.08	+/-0.5	80	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	97	20 - 155	
GA-TU13SB04-07 (1409479-05RE2)		**Lab File ID: 1409479-05re2.Analyzed: 10/14/14 23:13**					
2-Fluorophenol	5.73	5.19	0.53	+/-0.5	20	33 - 113	*
Phenol-d6	6.97	6.91	0.06	+/-0.5	73	30 - 115	
Nitrobenzene-d5	8.74	8.79	-0.05	+/-0.5	63	33 - 131	
2-Fluorobiphenyl	12.88	12.94	-0.07	+/-0.5	102	46 - 122	
2,4,6-Tribromophenol	16.29	16.36	-0.07	+/-0.5	0.2	12 - 124	*
o-Terphenyl	18.61	18.66	-0.06	+/-0.5	104	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J15034

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J15034-TUN1	dft1014b.D	10/14/14 13:18
Calibration Check	4J15034-CCV1	10bna1014.D	10/14/14 13:35
Calibration Check	4J15034-CCV2	10ab1014.D	10/14/14 14:08
GA-TU13SB10-34	1410014-06RE1	1410014-06 2x.D	10/14/14 15:43
GA-TU13SB04-07	1409479-05RE3	1409479-05re2 20x.D	10/14/14 16:15
GA-TU13SB04-07	1409479-05RE1	1409479-05 20x.D	10/14/14 16:47
GA-TU16SB30-08	1409499-02RE1	1409499-02 2x.D	10/14/14 17:19
GA-TU16SB32-17	1409499-04RE1	1409499-04 2x.D	10/14/14 17:52
GA-TU13SB03-12	1409479-08	1409479-08 10x.D	10/14/14 18:24
GA-TU13SB07-08	1409479-14	1409479-14 10x.D	10/14/14 18:56
GA-TU16SB29-44DUP	1409499-11	1409499-11.D	10/14/14 19:28
GA-TU13SB8-15	1410014-01RE1	1410014-01 5x.D	10/14/14 20:33
GA-TU16SB31-08	1409499-03	1409499-03 5x.D	10/14/14 22:41
GA-TU13SB04-07	1409479-05RE2	1409479-05re2.D	10/14/14 23:13

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J17060

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J17060-CCV1)		**Lab File ID: 10bna1017.D**		**Analyzed: 10/17/14 08:07**			
2-Fluorophenol	5.10	5.19	-0.10	+/-0.5	93	80 - 120	
Phenol-d6	6.86	6.91	-0.05	+/-0.5	94	80 - 120	
Nitrobenzene-d5	8.73	8.79	-0.06	+/-0.5	95	80 - 120	
2-Fluorobiphenyl	12.88	12.94	-0.07	+/-0.5	93	80 - 120	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	94	80 - 120	
o-Terphenyl	18.61	18.66	-0.06	+/-0.5	92	80 - 120	
Blank (1410563-BLK2)		**Lab File ID: 1410563-blk2.IAnalyzed: 10/17/14 09:09**					
2-Fluorophenol	5.45	5.19	0.25	+/-0.5	79	33 - 113	
Phenol-d6	6.92	6.91	0.01	+/-0.5	87	30 - 115	
Nitrobenzene-d5	8.73	8.79	-0.05	+/-0.5	93	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	97	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	65	12 - 124	
o-Terphenyl	18.60	18.66	-0.06	+/-0.5	110	20 - 155	
GA-TU16SB29-44DUP (1409499-11RE1)		**Lab File ID: 1409499-11 2x.Analyzed: 10/17/14 10:34**					
2-Fluorophenol	5.22	5.19	0.03	+/-0.5	81	33 - 113	
Phenol-d6	6.87	6.91	-0.04	+/-0.5	87	30 - 115	
Nitrobenzene-d5	8.71	8.79	-0.08	+/-0.5	89	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	100	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	56	12 - 124	
o-Terphenyl	18.60	18.66	-0.07	+/-0.5	117	20 - 155	
GA-TU13SB10-15 (1410014-05RE1)		**Lab File ID: 1410014-05 10:Analyzed: 10/17/14 12:40**					
2-Fluorophenol	5.12	5.19	-0.07	+/-0.5	92	33 - 113	
Phenol-d6	6.85	6.91	-0.06	+/-0.5	84	30 - 115	
Nitrobenzene-d5	8.71	8.79	-0.08	+/-0.5	80	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	102	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	67	12 - 124	
o-Terphenyl	18.60	18.66	-0.07	+/-0.5	122	20 - 155	
GA-TU16SB33-10 (1409499-05RE1)		**Lab File ID: 1409499-05 10:Analyzed: 10/17/14 13:13**					
2-Fluorophenol	5.13	5.19	-0.07	+/-0.5	85	33 - 113	
Phenol-d6	6.84	6.91	-0.06	+/-0.5	76	30 - 115	
Nitrobenzene-d5	8.71	8.79	-0.08	+/-0.5	76	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	90	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	58	12 - 124	
o-Terphenyl	18.60	18.66	-0.07	+/-0.5	107	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J17060

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU16SB31-08 (1409499-03RE1)		**Lab File ID: 1409499-03 10**		**Analyzed: 10/17/14 13:46**			
2-Fluorophenol	5.12	5.19	-0.07	+/-0.5	82	33 - 113	
Phenol-d6	6.85	6.91	-0.06	+/-0.5	67	30 - 115	
Nitrobenzene-d5	8.71	8.79	-0.08	+/-0.5	68	33 - 131	
2-Fluorobiphenyl	12.87	12.94	-0.08	+/-0.5	86	46 - 122	
2,4,6-Tribromophenol	16.28	16.36	-0.08	+/-0.5	48	12 - 124	
o-Terphenyl	18.60	18.66	-0.07	+/-0.5	114	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J17060

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J06006

Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J17060-TUN1	dft1017b.D	10/17/14 07:50
Calibration Check	4J17060-CCV1	10bna1017.D	10/17/14 08:07
Calibration Check	4J17060-CCV2	10ab1017.D	10/17/14 08:40
Blank	1410563-BLK2	1410563-blk2.D	10/17/14 09:09
GA-TU16SB29-44DUP	1409499-11RE1	1409499-11 2x.D	10/17/14 10:34
GA-TU13SB05-12	1409479-17RE1	1409479-17 40x.D	10/17/14 12:08
GA-TU13SB10-15	1410014-05RE1	1410014-05 10x.D	10/17/14 12:40
GA-TU16SB33-10	1409499-05RE1	1409499-05 10x.D	10/17/14 13:13
GA-TU16SB31-08	1409499-03RE1	1409499-03 10x.D	10/17/14 13:46

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J21016

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J21016-CCV1)	**Lab File ID: 10bna1020b.D Analyzed: 10/20/14 17:41**						
2-Fluorophenol	5.22	5.19	0.02	+/-0.5	100	80 - 120	
Phenol-d6	6.94	6.91	0.03	+/-0.5	101	80 - 120	
Nitrobenzene-d5	8.82	8.79	0.03	+/-0.5	99	80 - 120	
2-Fluorobiphenyl	12.97	12.94	0.02	+/-0.5	90	80 - 120	
2,4,6-Tribromophenol	16.38	16.36	0.02	+/-0.5	93	80 - 120	
o-Terphenyl	18.67	18.66	0.00	+/-0.5	90	80 - 120	
Blank (1410920-BLK1)	**Lab File ID: 1410920-blk1.IAnalyzed: 10/20/14 18:45**						
2-Fluorophenol	5.39	5.19	0.20	+/-0.5	80	33 - 113	
Phenol-d6	6.98	6.91	0.07	+/-0.5	90	30 - 115	
Nitrobenzene-d5	8.81	8.79	0.03	+/-0.5	96	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.02	+/-0.5	98	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	57	12 - 124	
o-Terphenyl	18.66	18.66	0.00	+/-0.5	106	20 - 155	
LCS (1410920-BS1)	**Lab File ID: 1410920-bs1.DAnalyzed: 10/20/14 19:17**						
2-Fluorophenol	5.41	5.19	0.22	+/-0.5	92	33 - 113	
Phenol-d6	6.99	6.91	0.08	+/-0.5	96	30 - 115	
Nitrobenzene-d5	8.82	8.79	0.03	+/-0.5	99	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.02	+/-0.5	93	46 - 122	
2,4,6-Tribromophenol	16.38	16.36	0.02	+/-0.5	90	12 - 124	
o-Terphenyl	18.67	18.66	0.00	+/-0.5	100	20 - 155	
LCS (1410563-BS2)	**Lab File ID: 1410563-bs2.DAnalyzed: 10/20/14 19:49**						
2-Fluorophenol	5.52	5.19	0.33	+/-0.5	46	33 - 113	
Phenol-d6	7.02	6.91	0.11	+/-0.5	92	30 - 115	
Nitrobenzene-d5	8.82	8.79	0.03	+/-0.5	96	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.02	+/-0.5	95	46 - 122	
2,4,6-Tribromophenol	16.38	16.36	0.02	+/-0.5	79	12 - 124	
o-Terphenyl	18.67	18.66	0.00	+/-0.5	99	20 - 155	
GA-TU13SB13-20 (1410025-03)	**Lab File ID: 1410025-03.D Analyzed: 10/20/14 21:26**						
2-Fluorophenol	5.40	5.19	0.21	+/-0.5	74	33 - 113	
Phenol-d6	6.98	6.91	0.07	+/-0.5	86	30 - 115	
Nitrobenzene-d5	8.81	8.79	0.03	+/-0.5	86	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.01	+/-0.5	88	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	60	12 - 124	
o-Terphenyl	18.66	18.66	0.00	+/-0.5	96	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J21016
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13SB13-34 (1410025-04)		**Lab File ID: 1410025-04.D Analyzed: 10/20/14 21:58**					
2-Fluorophenol	5.40	5.19	0.20	+/-0.5	74	33 - 113	
Phenol-d6	6.99	6.91	0.08	+/-0.5	84	30 - 115	
Nitrobenzene-d5	8.81	8.79	0.03	+/-0.5	84	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.02	+/-0.5	86	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	54	12 - 124	
o-Terphenyl	18.66	18.66	0.00	+/-0.5	93	20 - 155	
GA-TU13SB12-15 (1410025-01)		**Lab File ID: 1410025-01.D Analyzed: 10/20/14 22:30**					
2-Fluorophenol	5.41	5.19	0.22	+/-0.5	86	33 - 113	
Phenol-d6	7.00	6.91	0.09	+/-0.5	89	30 - 115	
Nitrobenzene-d5	8.82	8.79	0.03	+/-0.5	89	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.01	+/-0.5	90	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	81	12 - 124	
o-Terphenyl	18.66	18.66	0.00	+/-0.5	92	20 - 155	
GA-TU13SB14-34DUP (1410025-07)		**Lab File ID: 1410025-07.D Analyzed: 10/20/14 23:02**					
2-Fluorophenol	5.40	5.19	0.20	+/-0.5	85	33 - 113	
Phenol-d6	6.98	6.91	0.07	+/-0.5	91	30 - 115	
Nitrobenzene-d5	8.81	8.79	0.03	+/-0.5	89	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.02	+/-0.5	93	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	83	12 - 124	
o-Terphenyl	18.66	18.66	0.00	+/-0.5	98	20 - 155	
GA-TU17SB34-37 (1410085-02)		**Lab File ID: 1410085-02.D Analyzed: 10/20/14 23:34**					
2-Fluorophenol	5.42	5.19	0.23	+/-0.5	79	33 - 113	
Phenol-d6	6.99	6.91	0.08	+/-0.5	91	30 - 115	
Nitrobenzene-d5	8.82	8.79	0.03	+/-0.5	90	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.02	+/-0.5	94	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	61	12 - 124	
o-Terphenyl	18.66	18.66	0.00	+/-0.5	100	20 - 155	
GA-TU17SB35-15 (1410085-04)		**Lab File ID: 1410085-04.D Analyzed: 10/21/14 00:05**					
2-Fluorophenol	5.41	5.19	0.22	+/-0.5	75	33 - 113	
Phenol-d6	6.99	6.91	0.08	+/-0.5	86	30 - 115	
Nitrobenzene-d5	8.82	8.79	0.03	+/-0.5	87	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.02	+/-0.5	90	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	57	12 - 124	
o-Terphenyl	18.66	18.66	0.00	+/-0.5	95	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J21016
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU17SB36-20 (1410085-05)		**Lab File ID: 1410085-05.D Analyzed: 10/21/14 00:37**					
2-Fluorophenol	5.41	5.19	0.22	+/-0.5	74	33 - 113	
Phenol-d6	7.00	6.91	0.09	+/-0.5	84	30 - 115	
Nitrobenzene-d5	8.82	8.79	0.03	+/-0.5	87	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.02	+/-0.5	89	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	60	12 - 124	
o-Terphenyl	18.66	18.66	0.00	+/-0.5	95	20 - 155	
GA-TU17SB38-15 (1410085-06)		**Lab File ID: 1410085-06.D Analyzed: 10/21/14 01:10**					
2-Fluorophenol	5.40	5.19	0.21	+/-0.5	74	33 - 113	
Phenol-d6	6.99	6.91	0.08	+/-0.5	84	30 - 115	
Nitrobenzene-d5	8.81	8.79	0.03	+/-0.5	84	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.02	+/-0.5	89	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	60	12 - 124	
o-Terphenyl	18.66	18.66	0.00	+/-0.5	92	20 - 155	
GA-TU13SB12-34 (1410025-02)		**Lab File ID: 1410025-02.D Analyzed: 10/21/14 01:42**					
2-Fluorophenol	5.43	5.19	0.23	+/-0.5	81	33 - 113	
Phenol-d6	7.01	6.91	0.10	+/-0.5	81	30 - 115	
Nitrobenzene-d5	8.82	8.79	0.03	+/-0.5	85	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.01	+/-0.5	89	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	74	12 - 124	
o-Terphenyl	18.66	18.66	0.00	+/-0.5	99	20 - 155	
GA-TU13SB14-15 (1410025-05)		**Lab File ID: 1410025-05.D Analyzed: 10/21/14 02:14**					
2-Fluorophenol	5.40	5.19	0.21	+/-0.5	88	33 - 113	
Phenol-d6	6.98	6.91	0.07	+/-0.5	93	30 - 115	
Nitrobenzene-d5	8.81	8.79	0.03	+/-0.5	89	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.02	+/-0.5	91	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	92	12 - 124	
o-Terphenyl	18.66	18.66	0.00	+/-0.5	95	20 - 155	
GA-TU13SB14-34 (1410025-06)		**Lab File ID: 1410025-06.D Analyzed: 10/21/14 02:46**					
2-Fluorophenol	5.42	5.19	0.23	+/-0.5	73	33 - 113	
Phenol-d6	7.00	6.91	0.09	+/-0.5	86	30 - 115	
Nitrobenzene-d5	8.82	8.79	0.03	+/-0.5	84	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.02	+/-0.5	88	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	6	12 - 124	*
o-Terphenyl	18.66	18.66	0.00	+/-0.5	89	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J21016
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13SB11-34 (1410014-08RE2)	**Lab File ID: 1410014-08re2Analyzed: 10/21/14 03:18**						
2-Fluorophenol	5.53	5.19	0.33	+/-0.5	48	33 - 113	
Phenol-d6	7.00	6.91	0.09	+/-0.5	90	30 - 115	
Nitrobenzene-d5	8.81	8.79	0.03	+/-0.5	92	33 - 131	
2-Fluorobiphenyl	12.96	12.94	0.01	+/-0.5	93	46 - 122	
2,4,6-Tribromophenol	16.37	16.36	0.01	+/-0.5	4	12 - 124	*
o-Terphenyl	18.66	18.66	0.00	+/-0.5	96	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J21016

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J21016-TUN1	dft1020g.D	10/20/14 17:23
Calibration Check	4J21016-CCV1	10bna1020b.D	10/20/14 17:41
Calibration Check	4J21016-CCV2	10ab1020.D	10/20/14 18:13
Blank	1410920-BLK1	1410920-blk1.D	10/20/14 18:45
LCS	1410920-BS1	1410920-bs1.D	10/20/14 19:17
LCS	1410563-BS2	1410563-bs2.D	10/20/14 19:49
GA-TU13SB11-34	1410014-08RE1	1410014-08 20x.D	10/20/14 20:22
GA-TU13SB11-34	1410014-08RE3	1410014-08re2 20x.D	10/20/14 20:54
GA-TU13SB13-20	1410025-03	1410025-03.D	10/20/14 21:26
GA-TU13SB13-34	1410025-04	1410025-04.D	10/20/14 21:58
GA-TU13SB12-15	1410025-01	1410025-01.D	10/20/14 22:30
GA-TU13SB14-34DUP	1410025-07	1410025-07.D	10/20/14 23:02
GA-TU17SB34-37	1410085-02	1410085-02.D	10/20/14 23:34
GA-TU17SB35-15	1410085-04	1410085-04.D	10/21/14 00:05
GA-TU17SB36-20	1410085-05	1410085-05.D	10/21/14 00:37
GA-TU17SB38-15	1410085-06	1410085-06.D	10/21/14 01:10
GA-TU13SB12-34	1410025-02	1410025-02.D	10/21/14 01:42
GA-TU13SB14-15	1410025-05	1410025-05.D	10/21/14 02:14
GA-TU13SB14-34	1410025-06	1410025-06.D	10/21/14 02:46
GA-TU13SB11-34	1410014-08RE2	1410014-08re2.D	10/21/14 03:18

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J21047
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J21047-CCV1)		**Lab File ID: 10c1021.D**		**Analyzed: 10/21/14 12:52**			
2-Fluorophenol	5.19	5.19	-0.01	+/-0.5	98	80 - 120	
Phenol-d6	6.92	6.91	0.01	+/-0.5	98	80 - 120	
Nitrobenzene-d5	8.79	8.79	0.00	+/-0.5	99	80 - 120	
2-Fluorobiphenyl	12.94	12.94	0.00	+/-0.5	91	80 - 120	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	93	80 - 120	
o-Terphenyl	18.65	18.66	-0.02	+/-0.5	89	80 - 120	
GA-TU13SB12-34 (1410025-02RE1)		**Lab File ID: 1410025-02 5x.Analyzed: 10/21/14 16:03**					
2-Fluorophenol	5.25	5.19	0.06	+/-0.5	74	33 - 113	
Phenol-d6	6.91	6.91	0.00	+/-0.5	77	30 - 115	
Nitrobenzene-d5	8.77	8.79	-0.02	+/-0.5	72	33 - 131	
2-Fluorobiphenyl	12.93	12.94	-0.02	+/-0.5	80	46 - 122	
2,4,6-Tribromophenol	16.34	16.36	-0.03	+/-0.5	48	12 - 124	
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	88	20 - 155	
GA-TU13SB14-15 (1410025-05RE1)		**Lab File ID: 1410025-05 5x.Analyzed: 10/21/14 16:35**					
2-Fluorophenol	5.25	5.19	0.05	+/-0.5	77	33 - 113	
Phenol-d6	6.91	6.91	0.00	+/-0.5	79	30 - 115	
Nitrobenzene-d5	8.77	8.79	-0.02	+/-0.5	73	33 - 131	
2-Fluorobiphenyl	12.93	12.94	-0.02	+/-0.5	81	46 - 122	
2,4,6-Tribromophenol	16.34	16.36	-0.03	+/-0.5	65	12 - 124	
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	83	20 - 155	
GA-TU13SB14-34 (1410025-06RE1)		**Lab File ID: 1410025-06 5x.Analyzed: 10/21/14 17:08**					
2-Fluorophenol	5.26	5.19	0.06	+/-0.5	67	33 - 113	
Phenol-d6	6.91	6.91	0.00	+/-0.5	78	30 - 115	
Nitrobenzene-d5	8.77	8.79	-0.02	+/-0.5	73	33 - 131	
2-Fluorobiphenyl	12.92	12.94	-0.02	+/-0.5	78	46 - 122	
2,4,6-Tribromophenol	16.34	16.36	-0.03	+/-0.5	4	12 - 124	*
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	84	20 - 155	
GA-TU17SB34-37 (1410085-02RE1)		**Lab File ID: 1410085-02 2x.Analyzed: 10/21/14 18:44**					
2-Fluorophenol	5.32	5.19	0.12	+/-0.5	75	33 - 113	
Phenol-d6	6.92	6.91	0.01	+/-0.5	87	30 - 115	
Nitrobenzene-d5	8.78	8.79	-0.01	+/-0.5	84	33 - 131	
2-Fluorobiphenyl	12.93	12.94	-0.02	+/-0.5	88	46 - 122	
2,4,6-Tribromophenol	16.34	16.36	-0.03	+/-0.5	48	12 - 124	
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	93	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J21047
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU17SB35-15 (1410085-04RE1)		**Lab File ID: 1410085-04 2x.Analyzed: 10/21/14 19:16**					
2-Fluorophenol	5.32	5.19	0.12	+/-0.5	75	33 - 113	
Phenol-d6	6.93	6.91	0.02	+/-0.5	86	30 - 115	
Nitrobenzene-d5	8.78	8.79	-0.01	+/-0.5	85	33 - 131	
2-Fluorobiphenyl	12.93	12.94	-0.02	+/-0.5	90	46 - 122	
2,4,6-Tribromophenol	16.34	16.36	-0.03	+/-0.5	48	12 - 124	
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	90	20 - 155	
GA-TU17SB36-20 (1410085-05RE1)		**Lab File ID: 1410085-05 2x.Analyzed: 10/21/14 19:49**					
2-Fluorophenol	5.31	5.19	0.12	+/-0.5	67	33 - 113	
Phenol-d6	6.93	6.91	0.02	+/-0.5	79	30 - 115	
Nitrobenzene-d5	8.78	8.79	-0.01	+/-0.5	80	33 - 131	
2-Fluorobiphenyl	12.93	12.94	-0.02	+/-0.5	83	46 - 122	
2,4,6-Tribromophenol	16.34	16.36	-0.03	+/-0.5	46	12 - 124	
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	88	20 - 155	
GA-TU17SB38-15 (1410085-06RE1)		**Lab File ID: 1410085-06 2x.Analyzed: 10/21/14 20:21**					
2-Fluorophenol	5.30	5.19	0.11	+/-0.5	70	33 - 113	
Phenol-d6	6.92	6.91	0.01	+/-0.5	80	30 - 115	
Nitrobenzene-d5	8.77	8.79	-0.02	+/-0.5	78	33 - 131	
2-Fluorobiphenyl	12.93	12.94	-0.02	+/-0.5	83	46 - 122	
2,4,6-Tribromophenol	16.34	16.36	-0.03	+/-0.5	49	12 - 124	
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	86	20 - 155	
GA-TU017SB38-15DUP (1410085-09)		**Lab File ID: 1410085-09.D Analyzed: 10/21/14 20:53**					
2-Fluorophenol	5.38	5.19	0.19	+/-0.5	69	33 - 113	
Phenol-d6	6.95	6.91	0.04	+/-0.5	76	30 - 115	
Nitrobenzene-d5	8.78	8.79	0.00	+/-0.5	74	33 - 131	
2-Fluorobiphenyl	12.93	12.94	-0.02	+/-0.5	75	46 - 122	
2,4,6-Tribromophenol	16.34	16.36	-0.02	+/-0.5	58	12 - 124	
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	76	20 - 155	
GA-TU017SB34-37DUP (1410085-08)		**Lab File ID: 1410085-08.D Analyzed: 10/21/14 22:29**					
2-Fluorophenol	5.38	5.19	0.19	+/-0.5	54	33 - 113	
Phenol-d6	6.95	6.91	0.04	+/-0.5	58	30 - 115	
Nitrobenzene-d5	8.78	8.79	0.00	+/-0.5	57	33 - 131	
2-Fluorobiphenyl	12.93	12.94	-0.02	+/-0.5	57	46 - 122	
2,4,6-Tribromophenol	16.34	16.36	-0.02	+/-0.5	47	12 - 124	
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	58	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J21047

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU17SB34-15 (1410085-01)		**Lab File ID: 1410085-01.D**		**Analyzed: 10/21/14 23:02**			
2-Fluorophenol	5.37	5.19	0.18	+/-0.5	69	33 - 113	
Phenol-d6	6.95	6.91	0.04	+/-0.5	74	30 - 115	
Nitrobenzene-d5	8.78	8.79	0.00	+/-0.5	72	33 - 131	
2-Fluorobiphenyl	12.93	12.94	-0.02	+/-0.5	70	46 - 122	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	67	12 - 124	
o-Terphenyl	18.65	18.66	-0.02	+/-0.5	77	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J21047

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J21047-TUN1	dft1021c.D	10/21/14 12:33
Calibration Check	4J21047-CCV1	10c1021.D	10/21/14 12:52
Calibration Check	4J21047-CCV2	10ab1021b.D	10/21/14 13:24
GA-TU13SB12-34	1410025-02RE1	1410025-02 5x.D	10/21/14 16:03
GA-TU13SB14-15	1410025-05RE1	1410025-05 5x.D	10/21/14 16:35
GA-TU13SB14-34	1410025-06RE1	1410025-06 5x.D	10/21/14 17:08
GA-TU17SB34-37	1410085-02RE1	1410085-02 2x.D	10/21/14 18:44
GA-TU17SB35-15	1410085-04RE1	1410085-04 2x.D	10/21/14 19:16
GA-TU17SB36-20	1410085-05RE1	1410085-05 2x.D	10/21/14 19:49
GA-TU17SB38-15	1410085-06RE1	1410085-06 2x.D	10/21/14 20:21
GA-TU017SB38-15DUP	1410085-09	1410085-09.D	10/21/14 20:53
GA-TU017SB34-37DUP	1410085-08	1410085-08.D	10/21/14 22:29
GA-TU17SB34-15	1410085-01	1410085-01.D	10/21/14 23:02

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Calibration: 4J06006
Sequence: 4J22008
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J22008-CCV1)		**Lab File ID: 10c1021.D**		**Analyzed: 10/21/14 12:52**			
2-Fluorophenol	5.19	5.19	-0.01	+/-0.5	98	80 - 120	
Phenol-d6	6.92	6.91	0.01	+/-0.5	98	80 - 120	
Nitrobenzene-d5	8.79	8.79	0.00	+/-0.5	99	80 - 120	
2-Fluorobiphenyl	12.94	12.94	0.00	+/-0.5	91	80 - 120	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	93	80 - 120	
o-Terphenyl	18.65	18.66	-0.02	+/-0.5	89	80 - 120	
Blank (1410842-BLK1)		**Lab File ID: 1410842-blk1.I**		**Analyzed: 10/21/14 14:26**			
2-Fluorophenol	5.18	5.19	-0.02	+/-0.5	61	19 - 119	
Phenol-d6	6.89	6.91	-0.02	+/-0.5	41	18 - 45	
Nitrobenzene-d5	8.78	8.79	-0.01	+/-0.5	100	44 - 120	
2-Fluorobiphenyl	12.93	12.94	-0.02	+/-0.5	96	44 - 119	
2,4,6-Tribromophenol	16.34	16.36	-0.02	+/-0.5	86	43 - 140	
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	107	42 - 125	
LCS (1410842-BS1)		**Lab File ID: 1410842-bs1.D**		**Analyzed: 10/21/14 15:31**			
2-Fluorophenol	5.18	5.19	-0.02	+/-0.5	70	19 - 119	
Phenol-d6	6.89	6.91	-0.01	+/-0.5	48	18 - 45	*
Nitrobenzene-d5	8.78	8.79	0.00	+/-0.5	109	44 - 120	
2-Fluorobiphenyl	12.93	12.94	-0.01	+/-0.5	105	44 - 119	
2,4,6-Tribromophenol	16.35	16.36	-0.01	+/-0.5	105	43 - 140	
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	112	42 - 125	
GA-TU17GW34-01 (1410085-03)		**Lab File ID: 1410085-03.D**		**Analyzed: 10/21/14 17:40**			
2-Fluorophenol	5.18	5.19	-0.02	+/-0.5	43	19 - 119	
Phenol-d6	6.89	6.91	-0.02	+/-0.5	28	18 - 45	
Nitrobenzene-d5	8.77	8.79	-0.02	+/-0.5	76	44 - 120	
2-Fluorobiphenyl	12.93	12.94	-0.02	+/-0.5	61	44 - 119	
2,4,6-Tribromophenol	16.34	16.36	-0.02	+/-0.5	69	43 - 140	
o-Terphenyl	18.64	18.66	-0.03	+/-0.5	74	42 - 125	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J22008

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J06006

Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J22008-TUN1	dft1021c.D	10/21/14 12:33
Calibration Check	4J22008-CCV1	10c1021.D	10/21/14 12:52
Calibration Check	4J22008-CCV2	10ab1021b.D	10/21/14 13:24
Blank	1410842-BLK1	1410842-blk1.D	10/21/14 14:26
LCS	1410842-BS1	1410842-bs1.D	10/21/14 15:31
GA-TU17GW34-01	1410085-03	1410085-03.D	10/21/14 17:40

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J22044
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (4J22044-CCV1)		**Lab File ID: 10bna1022.D**		**Analyzed: 10/22/14 08:22**			
2-Fluorophenol	5.15	5.19	-0.05	+/-0.5	97	80 - 120	
Phenol-d6	6.88	6.91	-0.03	+/-0.5	98	80 - 120	
Nitrobenzene-d5	8.75	8.79	-0.03	+/-0.5	98	80 - 120	
2-Fluorobiphenyl	12.90	12.94	-0.04	+/-0.5	91	80 - 120	
2,4,6-Tribromophenol	16.32	16.36	-0.04	+/-0.5	94	80 - 120	
o-Terphenyl	18.62	18.66	-0.04	+/-0.5	90	80 - 120	
Blank (1410920-BLK2)		**Lab File ID: 1411640-blk1.I**		**Analyzed: 10/22/14 10:58**			
2-Fluorophenol	5.34	5.19	0.15	+/-0.5	88	33 - 113	
Phenol-d6	6.91	6.91	0.00	+/-0.5	95	30 - 115	
Nitrobenzene-d5	8.74	8.79	-0.04	+/-0.5	94	33 - 131	
2-Fluorobiphenyl	12.89	12.94	-0.05	+/-0.5	99	46 - 122	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	85	12 - 124	
o-Terphenyl	18.61	18.66	-0.05	+/-0.5	104	20 - 155	
LCS (1410920-BS2)		**Lab File ID: 1411640-bs1.D**		**Analyzed: 10/22/14 12:35**			
2-Fluorophenol	5.33	5.19	0.14	+/-0.5	84	33 - 113	
Phenol-d6	6.91	6.91	0.00	+/-0.5	89	30 - 115	
Nitrobenzene-d5	8.75	8.79	-0.03	+/-0.5	89	33 - 131	
2-Fluorobiphenyl	12.90	12.94	-0.05	+/-0.5	93	46 - 122	
2,4,6-Tribromophenol	16.31	16.36	-0.05	+/-0.5	90	12 - 124	
o-Terphenyl	18.62	18.66	-0.05	+/-0.5	96	20 - 155	
GA-TU17SB34-15 (1410085-01RE1)		**Lab File ID: 1410085-01 10**		**Analyzed: 10/22/14 13:07**			
2-Fluorophenol	5.19	5.19	-0.01	+/-0.5	82	33 - 113	
Phenol-d6	6.87	6.91	-0.04	+/-0.5	84	30 - 115	
Nitrobenzene-d5	8.74	8.79	-0.05	+/-0.5	77	33 - 131	
2-Fluorobiphenyl	12.89	12.94	-0.06	+/-0.5	88	46 - 122	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	56	12 - 124	
o-Terphenyl	18.61	18.66	-0.05	+/-0.5	92	20 - 155	
GA-TU13SB14-34 (1410025-06RE3)		**Lab File ID: 1410025-06re2**		**Analyzed: 10/22/14 13:40**			
2-Fluorophenol	5.20	5.19	0.01	+/-0.5	80	33 - 113	
Phenol-d6	6.87	6.91	-0.04	+/-0.5	85	30 - 115	
Nitrobenzene-d5	8.74	8.79	-0.05	+/-0.5	79	33 - 131	
2-Fluorobiphenyl	12.89	12.94	-0.05	+/-0.5	91	46 - 122	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	31	12 - 124	
o-Terphenyl	18.61	18.66	-0.05	+/-0.5	96	20 - 155	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J22044
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
GA-TU13SB14-34 (1410025-06RE2)	**Lab File ID: 1410025-06re2Analyzed: 10/22/14 14:12**						
2-Fluorophenol	5.34	5.19	0.15	+/-0.5	78	33 - 113	
Phenol-d6	6.91	6.91	0.00	+/-0.5	84	30 - 115	
Nitrobenzene-d5	8.75	8.79	-0.04	+/-0.5	85	33 - 131	
2-Fluorobiphenyl	12.89	12.94	-0.05	+/-0.5	90	46 - 122	
2,4,6-Tribromophenol	16.30	16.36	-0.06	+/-0.5	42	12 - 124	
o-Terphenyl	18.62	18.66	-0.05	+/-0.5	90	20 - 155	

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J22044

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J06006

Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	4J22044-TUN1	dft1022a.D	10/22/14 08:05
Calibration Check	4J22044-CCV1	10bna1022.D	10/22/14 08:22
Calibration Check	4J22044-CCV2	10ab1022.D	10/22/14 08:54
Blank	1410920-BLK2	1411640-blk1.D	10/22/14 10:58
LCS	1410920-BS2	1411640-bs1.D	10/22/14 12:35
GA-TU17SB34-15	1410085-01RE1	1410085-01 10x.D	10/22/14 13:07
GA-TU13SB14-34	1410025-06RE3	1410025-06re2 5x.D	10/22/14 13:40
GA-TU13SB14-34	1410025-06RE2	1410025-06re2.D	10/22/14 14:12

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410423

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-MS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.3 grams / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Acenaphthene	356	ND	339	95	40 - 123	ug/kg dry
Acenaphthylene	356	ND	331	93	32 - 132	ug/kg dry
Anthracene	356	ND	357	100	47 - 123	ug/kg dry
Benzo(a)anthracene	356	ND	372	104	49 - 126	ug/kg dry
Benzo(a)pyrene	356	ND	388	109	45 - 129	ug/kg dry
Benzo(b)fluoranthene	356	ND	417	117	45 - 132	ug/kg dry
Benzo(k)fluoranthene	356	ND	386	108	47 - 132	ug/kg dry
Benzo(g,h,i)perylene	356	ND	208	58	43 - 134	ug/kg dry
Benzoic Acid	1780	ND	832	47	0 - 110	ug/kg dry
Benzyl Alcohol	356	ND	221	62	29 - 122	ug/kg dry
4-Bromophenyl Phenyl Ether	356	ND	370	104	46 - 124	ug/kg dry
Butyl Benzyl Phthalate	356	ND	404	114	48 - 132	ug/kg dry
Carbazole	356	ND	388	109	50 - 123	ug/kg dry
4-Chloro-3-methylphenol	356	ND	420	118	45 - 122	ug/kg dry
4-Chloroaniline	356	ND	112	31	17 - 106	ug/kg dry
Bis(2-chloroethoxy)methane	356	ND	309	87	36 - 121	ug/kg dry
Bis(2-chloroethyl) Ether	356	ND	304	85	31 - 120	ug/kg dry
Bis(2-chloroisopropyl) Ether	356	ND	271	76	33 - 131	ug/kg dry
2-Chloronaphthalene	356	ND	352	99	41 - 114	ug/kg dry
2-Chlorophenol	356	ND	216	61	34 - 121	ug/kg dry
4-Chlorophenyl Phenyl Ether	356	ND	358	101	45 - 121	ug/kg dry
Chrysene	356	ND	337	95	50 - 124	ug/kg dry
Dibenz(a,h)anthracene	356	ND	234	66	45 - 134	ug/kg dry
Dibenzofuran	356	ND	346	97	44 - 120	ug/kg dry
Di-n-butyl Phthalate	356	28.2	411	108	51 - 128	ug/kg dry
1,4-Dichlorobenzene	356	ND	312	88	31 - 115	ug/kg dry
1,2-Dichlorobenzene	356	ND	325	91	33 - 117	ug/kg dry
1,3-Dichlorobenzene	356	ND	324	91	30 - 115	ug/kg dry
3,3'-Dichlorobenzidine	711	ND	305	43	22 - 121	ug/kg dry
2,4-Dichlorophenol	356	ND	311	88	40 - 122	ug/kg dry
Diethyl Phthalate	356	ND	365	103	50 - 124	ug/kg dry
2,4-Dimethylphenol	356	ND	302	85	30 - 127	ug/kg dry
Dimethyl Phthalate	356	ND	363	102	48 - 124	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410423

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-MS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.3 grams / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
4,6-Dinitro-2-methylphenol	356	ND	306	86	29 - 132	ug/kg dry
2,4-Dinitrophenol	356	ND	248	70	15 - 130	ug/kg dry
2,6-Dinitrotoluene	356	ND	371	104	46 - 124	ug/kg dry
2,4-Dinitrotoluene	356	ND	381	107	48 - 126	ug/kg dry
Di-n-octyl Phthalate	356	ND	429	121	45 - 140	ug/kg dry
1,2-Diphenylhydrazine	356	ND	362	102	41 - 125	ug/kg dry
Bis(2-ethylhexyl) Phthalate	356	59.7	457	112	51 - 133	ug/kg dry
Fluoranthene	356	ND	354	100	50 - 127	ug/kg dry
Fluorene	356	ND	358	101	43 - 125	ug/kg dry
Hexachlorobenzene	356	ND	346	97	45 - 122	ug/kg dry
Hexachlorobutadiene	356	ND	362	102	32 - 123	ug/kg dry
Hexachloroethane	356	ND	307	86	28 - 117	ug/kg dry
Indeno(1,2,3-cd)pyrene	356	ND	243	68	45 - 133	ug/kg dry
Isophorone	356	ND	286	80	30 - 122	ug/kg dry
2-Methylnaphthalene	356	ND	377	106	38 - 122	ug/kg dry
3+4-Methylphenol	356	ND	235	66	34 - 119	ug/kg dry
2-Methylphenol	356	ND	190	54	32 - 122	ug/kg dry
Naphthalene	356	ND	334	94	35 - 123	ug/kg dry
4-Nitroaniline	356	ND	308	87	35 - 115	ug/kg dry
2-Nitroaniline	356	ND	374	105	45 - 120	ug/kg dry
3-Nitroaniline	356	ND	204	57	25 - 110	ug/kg dry
Nitrobenzene	356	ND	309	87	34 - 122	ug/kg dry
2-Nitrophenol	356	ND	314	88	36 - 123	ug/kg dry
4-Nitrophenol	356	ND	406	114	30 - 132	ug/kg dry
N-Nitroso-dimethylamine	356	ND	302	85	23 - 120	ug/kg dry
N-Nitroso-diphenylamine	356	ND	364	102	38 - 127	ug/kg dry
N-Nitroso-di-n-propylamine	356	ND	269	76	36 - 120	ug/kg dry
Pentachlorophenol	356	ND	384	108	25 - 133	ug/kg dry
Phenanthrene	356	ND	350	98	50 - 121	ug/kg dry
Phenol	356	ND	169	47	34 - 121	ug/kg dry
Pyrene	356	ND	350	98	47 - 127	ug/kg dry
1,2,4-Trichlorobenzene	356	ND	363	102	34 - 118	ug/kg dry
2,4,5-Trichlorophenol	356	ND	367	103	41 - 124	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410423

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410423-MS1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.3 grams / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
2,4,6-Trichlorophenol	356	ND	403	113	39 - 126	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410423-MSD1
Preparation: 3550C Sonication Extraction
QC Batch: 1410423
Initial/Final: 28.8 grams / 1 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Acenaphthene	362	362	100	6	20	40 - 123	ug/kg dry
Acenaphthylene	362	348	96	5	20	32 - 132	ug/kg dry
Anthracene	362	380	105	6	20	47 - 123	ug/kg dry
Benzo(a)anthracene	362	396	110	6	20	49 - 126	ug/kg dry
Benzo(a)pyrene	362	408	113	5	20	45 - 129	ug/kg dry
Benzo(b)fluoranthene	362	457	126	9	20	45 - 132	ug/kg dry
Benzo(k)fluoranthene	362	399	110	3	20	47 - 132	ug/kg dry
Benzo(g,h,i)perylene	362	243	67	15	20	43 - 134	ug/kg dry
Benzoic Acid	1810	608	34	31 *	20	0 - 110	ug/kg dry
Benzyl Alcohol	362	373	103	51 *	20	29 - 122	ug/kg dry
4-Bromophenyl Phenyl Ether	362	394	109	6	20	46 - 124	ug/kg dry
Butyl Benzyl Phthalate	362	439	121	8	20	48 - 132	ug/kg dry
Carbazole	362	404	112	4	20	50 - 123	ug/kg dry
4-Chloro-3-methylphenol	362	334	92	23 *	20	45 - 122	ug/kg dry
4-Chloroaniline	362	109	30	2	20	17 - 106	ug/kg dry
Bis(2-chloroethoxy)methane	362	359	99	15	20	36 - 121	ug/kg dry
Bis(2-chloroethyl) Ether	362	330	91	8	20	31 - 120	ug/kg dry
Bis(2-chloroisopropyl) Ether	362	314	87	14	20	33 - 131	ug/kg dry
2-Chloronaphthalene	362	372	103	5	20	41 - 114	ug/kg dry
2-Chlorophenol	362	365	101	51 *	20	34 - 121	ug/kg dry
4-Chlorophenyl Phenyl Ether	362	402	111	11	20	45 - 121	ug/kg dry
Chrysene	362	373	103	10	20	50 - 124	ug/kg dry
Dibenz(a,h)anthracene	362	264	73	12	20	45 - 134	ug/kg dry
Dibenzofuran	362	378	105	9	20	44 - 120	ug/kg dry
Di-n-butyl Phthalate	362	427	110	4	20	51 - 128	ug/kg dry
1,4-Dichlorobenzene	362	342	95	9	20	31 - 115	ug/kg dry
1,2-Dichlorobenzene	362	353	98	8	20	33 - 117	ug/kg dry
1,3-Dichlorobenzene	362	353	98	9	20	30 - 115	ug/kg dry
3,3'-Dichlorobenzidine	724	323	45	6	20	22 - 121	ug/kg dry
2,4-Dichlorophenol	362	362	100	15	20	40 - 122	ug/kg dry
Diethyl Phthalate	362	414	114	12	20	50 - 124	ug/kg dry
2,4-Dimethylphenol	362	344	95	13	20	30 - 127	ug/kg dry
Dimethyl Phthalate	362	406	112	11	20	48 - 124	ug/kg dry
4,6-Dinitro-2-methylphenol	362	313	86	2	20	29 - 132	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410423-MSD1
Preparation: 3550C Sonication Extraction
QC Batch: 1410423
Initial/Final: 28.8 grams / 1 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
2,4-Dinitrophenol	362	247	68	0.2	20	15 - 130	ug/kg dry
2,6-Dinitrotoluene	362	410	113	10	20	46 - 124	ug/kg dry
2,4-Dinitrotoluene	362	425	117	11	20	48 - 126	ug/kg dry
Di-n-octyl Phthalate	362	443	122	3	20	45 - 140	ug/kg dry
1,2-Diphenylhydrazine	362	387	107	7	20	41 - 125	ug/kg dry
Bis(2-ethylhexyl) Phthalate	362	498	121	9	20	51 - 133	ug/kg dry
Fluoranthene	362	376	104	6	20	50 - 127	ug/kg dry
Fluorene	362	404	112	12	20	43 - 125	ug/kg dry
Hexachlorobenzene	362	376	104	8	20	45 - 122	ug/kg dry
Hexachlorobutadiene	362	360	100	0.6	20	32 - 123	ug/kg dry
Hexachloroethane	362	336	93	9	20	28 - 117	ug/kg dry
Indeno(1,2,3-cd)pyrene	362	275	76	13	20	45 - 133	ug/kg dry
Isophorone	362	285	79	0.2	20	30 - 122	ug/kg dry
2-Methylnaphthalene	362	356	98	6	20	38 - 122	ug/kg dry
3+4-Methylphenol	362	374	103	46 *	20	34 - 119	ug/kg dry
2-Methylphenol	362	363	100	63 *	20	32 - 122	ug/kg dry
Naphthalene	362	358	99	7	20	35 - 123	ug/kg dry
4-Nitroaniline	362	322	89	4	20	35 - 115	ug/kg dry
2-Nitroaniline	362	398	110	6	20	45 - 120	ug/kg dry
3-Nitroaniline	362	209	58	3	20	25 - 110	ug/kg dry
Nitrobenzene	362	355	98	14	20	34 - 122	ug/kg dry
2-Nitrophenol	362	382	106	20	20	36 - 123	ug/kg dry
4-Nitrophenol	362	446	123	9	20	30 - 132	ug/kg dry
N-Nitroso-dimethylamine	362	332	92	10	20	23 - 120	ug/kg dry
N-Nitroso-diphenylamine	362	388	107	6	20	38 - 127	ug/kg dry
N-Nitroso-di-n-propylamine	362	357	99	28 *	20	36 - 120	ug/kg dry
Pentachlorophenol	362	404	112	5	20	25 - 133	ug/kg dry
Phenanthrene	362	374	104	7	20	50 - 121	ug/kg dry
Phenol	362	356	98	71 *	20	34 - 121	ug/kg dry
Pyrene	362	390	108	11	20	47 - 127	ug/kg dry
1,2,4-Trichlorobenzene	362	373	103	3	20	34 - 118	ug/kg dry
2,4,5-Trichlorophenol	362	352	97	4	20	41 - 124	ug/kg dry
2,4,6-Trichlorophenol	362	394	109	2	20	39 - 126	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410563

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410563-MS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.3 grams / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Acenaphthene	353	ND	310	88	40 - 123	ug/kg dry
Acenaphthylene	353	ND	296	84	32 - 132	ug/kg dry
Anthracene	353	ND	320	91	47 - 123	ug/kg dry
Benzo(a)anthracene	353	ND	331	94	49 - 126	ug/kg dry
Benzo(a)pyrene	353	ND	357	101	45 - 129	ug/kg dry
Benzo(b)fluoranthene	353	ND	391	111	45 - 132	ug/kg dry
Benzo(k)fluoranthene	353	ND	348	99	47 - 132	ug/kg dry
Benzo(g,h,i)perylene	353	ND	195	55	43 - 134	ug/kg dry
Benzoic Acid	1770	89.0	995	51	0 - 110	ug/kg dry
Benzyl Alcohol	353	ND	293	83	29 - 122	ug/kg dry
4-Bromophenyl Phenyl Ether	353	ND	319	90	46 - 124	ug/kg dry
Butyl Benzyl Phthalate	353	ND	379	107	48 - 132	ug/kg dry
Carbazole	353	ND	312	88	50 - 123	ug/kg dry
4-Chloro-3-methylphenol	353	ND	282	80	45 - 122	ug/kg dry
4-Chloroaniline	353	ND	120	34	17 - 106	ug/kg dry
Bis(2-chloroethoxy)methane	353	ND	306	87	36 - 121	ug/kg dry
Bis(2-chloroethyl) Ether	353	ND	298	85	31 - 120	ug/kg dry
Bis(2-chloroisopropyl) Ether	353	ND	293	83	33 - 131	ug/kg dry
2-Chloronaphthalene	353	ND	325	92	41 - 114	ug/kg dry
2-Chlorophenol	353	ND	292	83	34 - 121	ug/kg dry
4-Chlorophenyl Phenyl Ether	353	ND	294	83	45 - 121	ug/kg dry
Chrysene	353	ND	325	92	50 - 124	ug/kg dry
Dibenz(a,h)anthracene	353	ND	204	58	45 - 134	ug/kg dry
Dibenzofuran	353	ND	303	86	44 - 120	ug/kg dry
Di-n-butyl Phthalate	353	ND	340	96	51 - 128	ug/kg dry
1,4-Dichlorobenzene	353	ND	285	81	31 - 115	ug/kg dry
1,2-Dichlorobenzene	353	ND	292	83	33 - 117	ug/kg dry
1,3-Dichlorobenzene	353	ND	280	79	30 - 115	ug/kg dry
3,3'-Dichlorobenzidine	706	ND	308	44	22 - 121	ug/kg dry
2,4-Dichlorophenol	353	ND	288	82	40 - 122	ug/kg dry
Diethyl Phthalate	353	ND	320	91	50 - 124	ug/kg dry
2,4-Dimethylphenol	353	ND	295	83	30 - 127	ug/kg dry
Dimethyl Phthalate	353	ND	322	91	48 - 124	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410563

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410563-MS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.3 grams / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
4,6-Dinitro-2-methylphenol	353	ND	317	90	29 - 132	ug/kg dry
2,4-Dinitrophenol	353	ND	287	81	15 - 130	ug/kg dry
2,6-Dinitrotoluene	353	ND	314	89	46 - 124	ug/kg dry
2,4-Dinitrotoluene	353	ND	310	88	48 - 126	ug/kg dry
Di-n-octyl Phthalate	353	ND	396	112	45 - 140	ug/kg dry
1,2-Diphenylhydrazine	353	ND	332	94	41 - 125	ug/kg dry
Bis(2-ethylhexyl) Phthalate	353	42.4	437	112	51 - 133	ug/kg dry
Fluoranthene	353	ND	307	87	50 - 127	ug/kg dry
Fluorene	353	ND	305	86	43 - 125	ug/kg dry
Hexachlorobenzene	353	ND	320	91	45 - 122	ug/kg dry
Hexachlorobutadiene	353	ND	298	84	32 - 123	ug/kg dry
Hexachloroethane	353	ND	273	77	28 - 117	ug/kg dry
Indeno(1,2,3-cd)pyrene	353	ND	220	62	45 - 133	ug/kg dry
Isophorone	353	ND	268	76	30 - 122	ug/kg dry
2-Methylnaphthalene	353	ND	299	85	38 - 122	ug/kg dry
3+4-Methylphenol	353	ND	296	84	34 - 119	ug/kg dry
2-Methylphenol	353	ND	285	81	32 - 122	ug/kg dry
Naphthalene	353	ND	305	86	35 - 123	ug/kg dry
4-Nitroaniline	353	ND	230	65	35 - 115	ug/kg dry
2-Nitroaniline	353	ND	292	83	45 - 120	ug/kg dry
3-Nitroaniline	353	ND	194	55	25 - 110	ug/kg dry
Nitrobenzene	353	ND	311	88	34 - 122	ug/kg dry
2-Nitrophenol	353	ND	314	89	36 - 123	ug/kg dry
4-Nitrophenol	353	ND	317	90	30 - 132	ug/kg dry
N-Nitroso-dimethylamine	353	ND	262	74	23 - 120	ug/kg dry
N-Nitroso-diphenylamine	353	ND	330	94	38 - 127	ug/kg dry
N-Nitroso-di-n-propylamine	353	ND	311	88	36 - 120	ug/kg dry
Pentachlorophenol	353	ND	329	93	25 - 133	ug/kg dry
Phenanthrene	353	ND	317	90	50 - 121	ug/kg dry
Phenol	353	12.0	302	82	34 - 121	ug/kg dry
Pyrene	353	ND	341	97	47 - 127	ug/kg dry
1,2,4-Trichlorobenzene	353	ND	299	85	34 - 118	ug/kg dry
2,4,5-Trichlorophenol	353	ND	297	84	41 - 124	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410563

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410563-MS1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.3 grams / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
2,4,6-Trichlorophenol	353	ND	324	92	39 - 126	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410563-MSD1
Preparation: 3550C Sonication Extraction
QC Batch: 1410563
Initial/Final: 29.8 grams / 1 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Acenaphthene	347	302	87	2	20	40 - 123	ug/kg dry
Acenaphthylene	347	287	83	3	20	32 - 132	ug/kg dry
Anthracene	347	316	91	1	20	47 - 123	ug/kg dry
Benzo(a)anthracene	347	320	92	3	20	49 - 126	ug/kg dry
Benzo(a)pyrene	347	345	99	3	20	45 - 129	ug/kg dry
Benzo(b)fluoranthene	347	384	110	2	20	45 - 132	ug/kg dry
Benzo(k)fluoranthene	347	346	100	0.6	20	47 - 132	ug/kg dry
Benzo(g,h,i)perylene	347	207	60	6	20	43 - 134	ug/kg dry
Benzoic Acid	1740	1120	59	11	20	0 - 110	ug/kg dry
Benzyl Alcohol	347	304	87	4	20	29 - 122	ug/kg dry
4-Bromophenyl Phenyl Ether	347	318	92	0.2	20	46 - 124	ug/kg dry
Butyl Benzyl Phthalate	347	376	108	0.9	20	48 - 132	ug/kg dry
Carbazole	347	322	93	3	20	50 - 123	ug/kg dry
4-Chloro-3-methylphenol	347	311	89	10	20	45 - 122	ug/kg dry
4-Chloroaniline	347	90.6	26	28 *	20	17 - 106	ug/kg dry
Bis(2-chloroethoxy)methane	347	300	86	2	20	36 - 121	ug/kg dry
Bis(2-chloroethyl) Ether	347	283	82	5	20	31 - 120	ug/kg dry
Bis(2-chloroisopropyl) Ether	347	271	78	8	20	33 - 131	ug/kg dry
2-Chloronaphthalene	347	317	91	2	20	41 - 114	ug/kg dry
2-Chlorophenol	347	294	85	0.6	20	34 - 121	ug/kg dry
4-Chlorophenyl Phenyl Ether	347	294	85	0.1	20	45 - 121	ug/kg dry
Chrysene	347	309	89	5	20	50 - 124	ug/kg dry
Dibenz(a,h)anthracene	347	222	64	8	20	45 - 134	ug/kg dry
Dibenzofuran	347	300	86	1	20	44 - 120	ug/kg dry
Di-n-butyl Phthalate	347	335	97	1	20	51 - 128	ug/kg dry
1,4-Dichlorobenzene	347	267	77	6	20	31 - 115	ug/kg dry
1,2-Dichlorobenzene	347	283	82	3	20	33 - 117	ug/kg dry
1,3-Dichlorobenzene	347	266	77	5	20	30 - 115	ug/kg dry
3,3'-Dichlorobenzidine	694	ND	*		20	22 - 121	ug/kg dry
2,4-Dichlorophenol	347	304	87	5	20	40 - 122	ug/kg dry
Diethyl Phthalate	347	308	89	4	20	50 - 124	ug/kg dry
2,4-Dimethylphenol	347	303	87	3	20	30 - 127	ug/kg dry
Dimethyl Phthalate	347	304	88	6	20	48 - 124	ug/kg dry
4,6-Dinitro-2-methylphenol	347	301	87	5	20	29 - 132	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410563

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410563-MSD1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.8 grams / 1 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
2,4-Dinitrophenol	347	269	78	7	20	15 - 130	ug/kg dry
2,6-Dinitrotoluene	347	303	87	4	20	46 - 124	ug/kg dry
2,4-Dinitrotoluene	347	300	86	3	20	48 - 126	ug/kg dry
Di-n-octyl Phthalate	347	403	116	2	20	45 - 140	ug/kg dry
1,2-Diphenylhydrazine	347	312	90	6	20	41 - 125	ug/kg dry
Bis(2-ethylhexyl) Phthalate	347	434	113	0.6	20	51 - 133	ug/kg dry
Fluoranthene	347	316	91	3	20	50 - 127	ug/kg dry
Fluorene	347	295	85	3	20	43 - 125	ug/kg dry
Hexachlorobenzene	347	305	88	5	20	45 - 122	ug/kg dry
Hexachlorobutadiene	347	279	80	7	20	32 - 123	ug/kg dry
Hexachloroethane	347	265	76	3	20	28 - 117	ug/kg dry
Indeno(1,2,3-cd)pyrene	347	233	67	5	20	45 - 133	ug/kg dry
Isophorone	347	262	75	2	20	30 - 122	ug/kg dry
2-Methylnaphthalene	347	298	86	0.6	20	38 - 122	ug/kg dry
3+4-Methylphenol	347	317	91	7	20	34 - 119	ug/kg dry
2-Methylphenol	347	293	85	3	20	32 - 122	ug/kg dry
Naphthalene	347	296	85	3	20	35 - 123	ug/kg dry
4-Nitroaniline	347	245	71	7	20	35 - 115	ug/kg dry
2-Nitroaniline	347	289	83	1	20	45 - 120	ug/kg dry
3-Nitroaniline	347	148	43	27 *	20	25 - 110	ug/kg dry
Nitrobenzene	347	298	86	4	20	34 - 122	ug/kg dry
2-Nitrophenol	347	308	89	2	20	36 - 123	ug/kg dry
4-Nitrophenol	347	359	103	12	20	30 - 132	ug/kg dry
N-Nitroso-dimethylamine	347	310	89	17	20	23 - 120	ug/kg dry
N-Nitroso-diphenylamine	347	319	92	4	20	38 - 127	ug/kg dry
N-Nitroso-di-n-propylamine	347	305	88	2	20	36 - 120	ug/kg dry
Pentachlorophenol	347	346	100	5	20	25 - 133	ug/kg dry
Phenanthrene	347	305	88	4	20	50 - 121	ug/kg dry
Phenol	347	307	85	2	20	34 - 121	ug/kg dry
Pyrene	347	311	90	9	20	47 - 127	ug/kg dry
1,2,4-Trichlorobenzene	347	283	82	6	20	34 - 118	ug/kg dry
2,4,5-Trichlorophenol	347	314	90	6	20	41 - 124	ug/kg dry
2,4,6-Trichlorophenol	347	324	93	0.04	20	39 - 126	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410325-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410325
Sequence: 4J06027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	10.0	11.4	114	47 - 122	ug/L
Acenaphthylene	10.0	11.1	111	41 - 130	ug/L
Anthracene	10.0	12.3	123	57 - 123	ug/L
Benzo(a)anthracene	10.0	12.0	120	58 - 125	ug/L
Benzo(a)pyrene	10.0	12.5	125	54 - 128	ug/L
Benzo(b)fluoranthene	10.0	11.8	118	53 - 131	ug/L
Benzo(k)fluoranthene	10.0	12.7	127	57 - 129	ug/L
Benzo(g,h,i)perylene	10.0	12.5	125	50 - 134	ug/L
Benzoic Acid	50.0	10.0	20	0 - 125	ug/L
Benzyl Alcohol	10.0	10.2	102	25 - 107	ug/L
4-Bromophenyl Phenyl Ether	10.0	12.0	120	55 - 124	ug/L
Butyl Benzyl Phthalate	10.0	13.6	136 *	53 - 134	ug/L
Carbazole	10.0	13.4	134 *	60 - 122	ug/L
4-Chloro-3-methylphenol	10.0	11.2	112	52 - 119	ug/L
4-Chloroaniline	10.0	10.2	102	33 - 117	ug/L
Bis(2-chloroethoxy)methane	10.0	11.0	110	48 - 120	ug/L
Bis(2-chloroethyl) Ether	10.0	10.7	107	43 - 118	ug/L
Bis(2-chloroisopropyl) Ether	10.0	10.2	102	37 - 130	ug/L
2-Chloronaphthalene	10.0	12.0	120 *	40 - 116	ug/L
2-Chlorophenol	10.0	10.6	106	38 - 117	ug/L
4-Chlorophenyl Phenyl Ether	10.0	11.6	116	53 - 121	ug/L
Chrysene	10.0	12.4	124 *	59 - 123	ug/L
Dibenz(a,h)anthracene	10.0	12.5	125	51 - 134	ug/L
Dibenzofuran	10.0	11.6	116	53 - 118	ug/L
Di-n-butyl Phthalate	10.0	13.2	132	51 - 140	ug/L
1,4-Dichlorobenzene	10.0	10.5	105	29 - 112	ug/L
1,2-Dichlorobenzene	10.0	10.8	108	32 - 111	ug/L
1,3-Dichlorobenzene	10.0	10.8	108	28 - 110	ug/L
3,3'-Dichlorobenzidine	20.0	22.8	114	27 - 129	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410325-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410325
Sequence: 4J06027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	10.0	11.2	112	47 - 121	ug/L
Diethyl Phthalate	10.0	11.9	119	56 - 125	ug/L
2,4-Dimethylphenol	10.0	10.2	102	31 - 124	ug/L
Dimethyl Phthalate	10.0	12.0	120	45 - 127	ug/L
4,6-Dinitro-2-methylphenol	10.0	12.6	126	44 - 137	ug/L
2,4-Dinitrophenol	10.0	13.4	134	23 - 143	ug/L
2,6-Dinitrotoluene	10.0	12.4	124	57 - 124	ug/L
2,4-Dinitrotoluene	10.0	12.7	127	57 - 128	ug/L
Di-n-octyl Phthalate	10.0	13.4	134	51 - 140	ug/L
1,2-Diphenylhydrazine	10.0	12.1	121	49 - 122	ug/L
Bis(2-ethylhexyl) Phthalate	10.0	14.6	146 *	55 - 135	ug/L
Fluoranthene	10.0	12.2	122	57 - 128	ug/L
Fluorene	10.0	11.9	119	52 - 124	ug/L
Hexachlorobenzene	10.0	11.3	113	53 - 125	ug/L
Hexachlorobutadiene	10.0	10.0	100	22 - 124	ug/L
Hexachloroethane	10.0	10.3	103	21 - 115	ug/L
Indeno(1,2,3-cd)pyrene	10.0	12.8	128	52 - 134	ug/L
Isophorone	10.0	9.37	94	42 - 124	ug/L
2-Methylnaphthalene	10.0	10.9	109	40 - 121	ug/L
3+4-Methylphenol	10.0	9.17	92	29 - 110	ug/L
2-Methylphenol	10.0	9.44	94	30 - 117	ug/L
Naphthalene	10.0	10.8	108	40 - 121	ug/L
4-Nitroaniline	10.0	12.8	128	27 - 143	ug/L
2-Nitroaniline	10.0	12.5	125	55 - 127	ug/L
3-Nitroaniline	10.0	11.9	119	41 - 128	ug/L
Nitrobenzene	10.0	10.8	108	45 - 121	ug/L
2-Nitrophenol	10.0	11.3	113	47 - 123	ug/L
4-Nitrophenol	10.0	4.78	48	18 - 61	ug/L
N-Nitroso-dimethylamine	10.0	6.58	66	38 - 121	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410325-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410325
Sequence: 4J06027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	10.0	12.3	123	51 - 123	ug/L
N-Nitroso-di-n-propylamine	10.0	11.0	110	49 - 119	ug/L
Pentachlorophenol	10.0	12.3	123	35 - 138	ug/L
Phenanthrene	10.0	12.0	120	59 - 120	ug/L
Phenol	10.0	5.47	55 *	22 - 52	ug/L
Pyrene	10.0	12.3	123	57 - 126	ug/L
1,2,4-Trichlorobenzene	10.0	10.5	105	29 - 116	ug/L
2,4,5-Trichlorophenol	10.0	12.5	125 *	53 - 123	ug/L
2,4,6-Trichlorophenol	10.0	11.8	118	50 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410423
Sequence: 4J06022

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	340	319	94	40 - 123	ug/kg wet
Acenaphthylene	340	312	92	32 - 132	ug/kg wet
Anthracene	340	345	101	47 - 123	ug/kg wet
Benzo(a)anthracene	340	353	104	49 - 126	ug/kg wet
Benzo(a)pyrene	340	364	107	45 - 129	ug/kg wet
Benzo(b)fluoranthene	340	350	103	45 - 132	ug/kg wet
Benzo(k)fluoranthene	340	339	100	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	340	359	106	43 - 134	ug/kg wet
Benzoic Acid	1700	1230	72	0 - 110	ug/kg wet
Benzyl Alcohol	340	205	60	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	340	342	101	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	340	403	118	48 - 132	ug/kg wet
Carbazole	340	378	111	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	340	406	119	45 - 122	ug/kg wet
4-Chloroaniline	340	72.8	21	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	340	276	81	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	340	278	82	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	340	260	76	33 - 131	ug/kg wet
2-Chloronaphthalene	340	331	97	41 - 114	ug/kg wet
2-Chlorophenol	340	216	63	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	340	336	99	45 - 121	ug/kg wet
Chrysene	340	349	103	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	340	385	113	45 - 134	ug/kg wet
Dibenzofuran	340	327	96	44 - 120	ug/kg wet
Di-n-butyl Phthalate	340	379	112	51 - 128	ug/kg wet
1,4-Dichlorobenzene	340	285	84	31 - 115	ug/kg wet
1,2-Dichlorobenzene	340	295	87	33 - 117	ug/kg wet
1,3-Dichlorobenzene	340	293	86	30 - 115	ug/kg wet
3,3´-Dichlorobenzidine	680	ND	*	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410423
Sequence: 4J06022

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	340	262	77	40 - 122	ug/kg wet
Diethyl Phthalate	340	354	104	50 - 124	ug/kg wet
2,4-Dimethylphenol	340	231	68	30 - 127	ug/kg wet
Dimethyl Phthalate	340	352	103	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	340	371	109	29 - 132	ug/kg wet
2,4-Dinitrophenol	340	384	113	15 - 130	ug/kg wet
2,6-Dinitrotoluene	340	361	106	46 - 124	ug/kg wet
2,4-Dinitrotoluene	340	378	111	48 - 126	ug/kg wet
Di-n-octyl Phthalate	340	411	121	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	340	343	101	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	340	443	130	51 - 133	ug/kg wet
Fluoranthene	340	344	101	50 - 127	ug/kg wet
Fluorene	340	341	100	43 - 125	ug/kg wet
Hexachlorobenzene	340	320	94	45 - 122	ug/kg wet
Hexachlorobutadiene	340	322	95	32 - 132	ug/kg wet
Hexachloroethane	340	281	83	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	340	383	113	45 - 133	ug/kg wet
Isophorone	340	250	74	30 - 122	ug/kg wet
2-Methylnaphthalene	340	338	99	38 - 122	ug/kg wet
3+4-Methylphenol	340	205	60	34 - 119	ug/kg wet
2-Methylphenol	340	176	52	32 - 122	ug/kg wet
Naphthalene	340	307	90	35 - 123	ug/kg wet
4-Nitroaniline	340	284	83	35 - 115	ug/kg wet
2-Nitroaniline	340	362	106	45 - 120	ug/kg wet
3-Nitroaniline	340	143	42	25 - 110	ug/kg wet
Nitrobenzene	340	288	85	34 - 122	ug/kg wet
2-Nitrophenol	340	291	85	36 - 123	ug/kg wet
4-Nitrophenol	340	415	122	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	340	278	82	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410423
Sequence: 4J06022

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	340	349	102	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	340	240	71	36 - 120	ug/kg wet
Pentachlorophenol	340	352	104	25 - 133	ug/kg wet
Phenanthrene	340	344	101	50 - 121	ug/kg wet
Phenol	340	179	53	34 - 121	ug/kg wet
Pyrene	340	347	102	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	340	329	97	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	340	367	108	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	340	352	104	39 - 126	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 28.6 grams / 1 mL

QC Batch: 1410423
Sequence: 4J08017

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	350	281	80	40 - 123	ug/kg wet
Acenaphthylene	350	274	78	32 - 132	ug/kg wet
Anthracene	350	300	86	47 - 123	ug/kg wet
Benzo(a)anthracene	350	297	85	49 - 126	ug/kg wet
Benzo(a)pyrene	350	310	89	45 - 129	ug/kg wet
Benzo(b)fluoranthene	350	294	84	45 - 132	ug/kg wet
Benzo(k)fluoranthene	350	286	82	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	350	360	103	43 - 134	ug/kg wet
Benzoic Acid	1750	1020	58	0 - 110	ug/kg wet
Benzyl Alcohol	350	271	78	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	350	291	83	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	350	336	96	48 - 132	ug/kg wet
Carbazole	350	321	92	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	350	280	80	45 - 122	ug/kg wet
4-Chloroaniline	350	129	37	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	350	271	77	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	350	271	77	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	350	249	71	33 - 131	ug/kg wet
2-Chloronaphthalene	350	292	83	41 - 114	ug/kg wet
2-Chlorophenol	350	279	80	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	350	298	85	45 - 121	ug/kg wet
Chrysene	350	297	85	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	350	375	107	45 - 134	ug/kg wet
Dibenzofuran	350	288	82	44 - 120	ug/kg wet
Di-n-butyl Phthalate	350	338	97	51 - 128	ug/kg wet
1,4-Dichlorobenzene	350	277	79	31 - 115	ug/kg wet
1,2-Dichlorobenzene	350	288	82	33 - 117	ug/kg wet
1,3-Dichlorobenzene	350	276	79	30 - 115	ug/kg wet
3,3´-Dichlorobenzidine	699	325	46	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 28.6 grams / 1 mL

QC Batch: 1410423
Sequence: 4J08017

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	350	265	76	40 - 122	ug/kg wet
Diethyl Phthalate	350	309	88	50 - 124	ug/kg wet
2,4-Dimethylphenol	350	248	71	30 - 127	ug/kg wet
Dimethyl Phthalate	350	302	86	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	350	316	91	29 - 132	ug/kg wet
2,4-Dinitrophenol	350	353	101	15 - 130	ug/kg wet
2,6-Dinitrotoluene	350	303	87	46 - 124	ug/kg wet
2,4-Dinitrotoluene	350	326	93	48 - 126	ug/kg wet
Di-n-octyl Phthalate	350	333	95	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	350	281	80	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	350	342	98	51 - 133	ug/kg wet
Fluoranthene	350	301	86	50 - 127	ug/kg wet
Fluorene	350	295	84	43 - 125	ug/kg wet
Hexachlorobenzene	350	281	80	45 - 122	ug/kg wet
Hexachlorobutadiene	350	284	81	32 - 132	ug/kg wet
Hexachloroethane	350	269	77	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	350	366	105	45 - 133	ug/kg wet
Isophorone	350	222	63	30 - 122	ug/kg wet
2-Methylnaphthalene	350	282	81	38 - 122	ug/kg wet
3+4-Methylphenol	350	263	75	34 - 119	ug/kg wet
2-Methylphenol	350	258	74	32 - 122	ug/kg wet
Naphthalene	350	285	82	35 - 123	ug/kg wet
4-Nitroaniline	350	266	76	35 - 115	ug/kg wet
2-Nitroaniline	350	282	81	45 - 120	ug/kg wet
3-Nitroaniline	350	151	43	25 - 110	ug/kg wet
Nitrobenzene	350	279	80	34 - 122	ug/kg wet
2-Nitrophenol	350	301	86	36 - 123	ug/kg wet
4-Nitrophenol	350	363	104	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	350	260	74	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410423

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410423-BS2

Preparation: 3550C Sonication Extraction

Initial/Final: 28.6 grams / 1 mL

Sequence: 4J08017

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	350	288	82	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	350	277	79	36 - 120	ug/kg wet
Pentachlorophenol	350	317	91	25 - 133	ug/kg wet
Phenanthrene	350	288	82	50 - 121	ug/kg wet
Phenol	350	279	80	34 - 121	ug/kg wet
Pyrene	350	289	83	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	350	283	81	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	350	295	84	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	350	283	81	39 - 126	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410496-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.3 grams / 1 mL

QC Batch: 1410496
Sequence: 4J08051

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	341	321	94	40 - 123	ug/kg wet
Acenaphthylene	341	305	89	32 - 132	ug/kg wet
Anthracene	341	347	102	47 - 123	ug/kg wet
Benzo(a)anthracene	341	369	108	49 - 126	ug/kg wet
Benzo(a)pyrene	341	376	110	45 - 129	ug/kg wet
Benzo(b)fluoranthene	341	389	114	45 - 132	ug/kg wet
Benzo(k)fluoranthene	341	333	98	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	341	419	123	43 - 134	ug/kg wet
Benzoic Acid	1710	858	50	0 - 110	ug/kg wet
Benzyl Alcohol	341	329	96	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	341	352	103	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	341	415	122	48 - 132	ug/kg wet
Carbazole	341	366	107	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	341	308	90	45 - 122	ug/kg wet
4-Chloroaniline	341	80.5	24	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	341	321	94	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	341	274	80	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	341	261	77	33 - 131	ug/kg wet
2-Chloronaphthalene	341	339	99	41 - 114	ug/kg wet
2-Chlorophenol	341	313	92	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	341	342	100	45 - 121	ug/kg wet
Chrysene	341	346	101	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	341	432	127	45 - 134	ug/kg wet
Dibenzofuran	341	324	95	44 - 120	ug/kg wet
Di-n-butyl Phthalate	341	420	123	51 - 128	ug/kg wet
1,4-Dichlorobenzene	341	274	80	31 - 115	ug/kg wet
1,2-Dichlorobenzene	341	286	84	33 - 117	ug/kg wet
1,3-Dichlorobenzene	341	281	82	30 - 115	ug/kg wet
3,3′-Dichlorobenzidine	683	ND	*	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410496-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.3 grams / 1 mL

QC Batch: 1410496
Sequence: 4J08051

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	341	337	99	40 - 122	ug/kg wet
Diethyl Phthalate	341	371	109	50 - 124	ug/kg wet
2,4-Dimethylphenol	341	247	72	30 - 127	ug/kg wet
Dimethyl Phthalate	341	353	103	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	341	396	116	29 - 132	ug/kg wet
2,4-Dinitrophenol	341	383	112	15 - 130	ug/kg wet
2,6-Dinitrotoluene	341	346	101	46 - 124	ug/kg wet
2,4-Dinitrotoluene	341	370	108	48 - 126	ug/kg wet
Di-n-octyl Phthalate	341	410	120	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	341	339	99	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	341	431	126	51 - 133	ug/kg wet
Fluoranthene	341	340	100	50 - 127	ug/kg wet
Fluorene	341	339	99	43 - 125	ug/kg wet
Hexachlorobenzene	341	351	103	45 - 122	ug/kg wet
Hexachlorobutadiene	341	314	92	32 - 132	ug/kg wet
Hexachloroethane	341	278	82	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	341	434	127	45 - 133	ug/kg wet
Isophorone	341	273	80	30 - 122	ug/kg wet
2-Methylnaphthalene	341	313	92	38 - 122	ug/kg wet
3+4-Methylphenol	341	329	96	34 - 119	ug/kg wet
2-Methylphenol	341	306	90	32 - 122	ug/kg wet
Naphthalene	341	304	89	35 - 123	ug/kg wet
4-Nitroaniline	341	258	76	35 - 115	ug/kg wet
2-Nitroaniline	341	326	96	45 - 120	ug/kg wet
3-Nitroaniline	341	124	36	25 - 110	ug/kg wet
Nitrobenzene	341	308	90	34 - 122	ug/kg wet
2-Nitrophenol	341	355	104	36 - 123	ug/kg wet
4-Nitrophenol	341	392	115	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	341	273	80	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410496-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.3 grams / 1 mL

QC Batch: 1410496
Sequence: 4J08051

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	341	337	99	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	341	312	91	36 - 120	ug/kg wet
Pentachlorophenol	341	382	112	25 - 133	ug/kg wet
Phenanthrene	341	345	101	50 - 121	ug/kg wet
Phenol	341	303	89	34 - 121	ug/kg wet
Pyrene	341	379	111	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	341	316	93	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	341	342	100	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	341	347	102	39 - 126	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410496-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 29.2 grams / 1 mL

QC Batch: 1410496
Sequence: 4J10038

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	342	309	90	40 - 123	ug/kg wet
Acenaphthylene	342	300	88	32 - 132	ug/kg wet
Anthracene	342	329	96	47 - 123	ug/kg wet
Benzo(a)anthracene	342	338	99	49 - 126	ug/kg wet
Benzo(a)pyrene	342	350	102	45 - 129	ug/kg wet
Benzo(b)fluoranthene	342	349	102	45 - 132	ug/kg wet
Benzo(k)fluoranthene	342	305	89	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	342	405	118	43 - 134	ug/kg wet
Benzoic Acid	1710	809	47	0 - 110	ug/kg wet
Benzyl Alcohol	342	283	83	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	342	315	92	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	342	379	111	48 - 132	ug/kg wet
Carbazole	342	347	101	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	342	284	83	45 - 122	ug/kg wet
4-Chloroaniline	342	81.8	24	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	342	296	87	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	342	282	82	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	342	271	79	33 - 131	ug/kg wet
2-Chloronaphthalene	342	332	97	41 - 114	ug/kg wet
2-Chlorophenol	342	276	81	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	342	301	88	45 - 121	ug/kg wet
Chrysene	342	340	99	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	342	405	118	45 - 134	ug/kg wet
Dibenzofuran	342	301	88	44 - 120	ug/kg wet
Di-n-butyl Phthalate	342	326	95	51 - 128	ug/kg wet
1,4-Dichlorobenzene	342	284	83	31 - 115	ug/kg wet
1,2-Dichlorobenzene	342	293	86	33 - 117	ug/kg wet
1,3-Dichlorobenzene	342	281	82	30 - 115	ug/kg wet
3,3'-Dichlorobenzidine	685	ND	*	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410496-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 29.2 grams / 1 mL

QC Batch: 1410496
Sequence: 4J10038

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	342	293	86	40 - 122	ug/kg wet
Diethyl Phthalate	342	319	93	50 - 124	ug/kg wet
2,4-Dimethylphenol	342	282	82	30 - 127	ug/kg wet
Dimethyl Phthalate	342	294	86	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	342	334	98	29 - 132	ug/kg wet
2,4-Dinitrophenol	342	336	98	15 - 130	ug/kg wet
2,6-Dinitrotoluene	342	303	89	46 - 124	ug/kg wet
2,4-Dinitrotoluene	342	328	96	48 - 126	ug/kg wet
Di-n-octyl Phthalate	342	349	102	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	342	303	89	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	342	399	117	51 - 133	ug/kg wet
Fluoranthene	342	323	94	50 - 127	ug/kg wet
Fluorene	342	304	89	43 - 125	ug/kg wet
Hexachlorobenzene	342	309	90	45 - 122	ug/kg wet
Hexachlorobutadiene	342	293	86	32 - 132	ug/kg wet
Hexachloroethane	342	275	80	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	342	412	120	45 - 133	ug/kg wet
Isophorone	342	256	75	30 - 122	ug/kg wet
2-Methylnaphthalene	342	298	87	38 - 122	ug/kg wet
3+4-Methylphenol	342	292	85	34 - 119	ug/kg wet
2-Methylphenol	342	278	81	32 - 122	ug/kg wet
Naphthalene	342	296	87	35 - 123	ug/kg wet
4-Nitroaniline	342	250	73	35 - 115	ug/kg wet
2-Nitroaniline	342	274	80	45 - 120	ug/kg wet
3-Nitroaniline	342	149	44	25 - 110	ug/kg wet
Nitrobenzene	342	297	87	34 - 122	ug/kg wet
2-Nitrophenol	342	307	90	36 - 123	ug/kg wet
4-Nitrophenol	342	367	107	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	342	253	74	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410496-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 29.2 grams / 1 mL

QC Batch: 1410496
Sequence: 4J10038

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	342	310	91	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	342	295	86	36 - 120	ug/kg wet
Pentachlorophenol	342	327	95	25 - 133	ug/kg wet
Phenanthrene	342	321	94	50 - 121	ug/kg wet
Phenol	342	276	81	34 - 121	ug/kg wet
Pyrene	342	349	102	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	342	294	86	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	342	280	82	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	342	333	97	39 - 126	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410563-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410563
Sequence: 4J09062

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	340	222	65	40 - 123	ug/kg wet
Acenaphthylene	340	217	64	32 - 132	ug/kg wet
Anthracene	340	240	70	47 - 123	ug/kg wet
Benzo(a)anthracene	340	248	73	49 - 126	ug/kg wet
Benzo(a)pyrene	340	253	74	45 - 129	ug/kg wet
Benzo(b)fluoranthene	340	259	76	45 - 132	ug/kg wet
Benzo(k)fluoranthene	340	219	64	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	340	283	83	43 - 134	ug/kg wet
Benzoic Acid	1700	567	33	0 - 110	ug/kg wet
Benzyl Alcohol	340	219	64	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	340	237	70	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	340	285	84	48 - 132	ug/kg wet
Carbazole	340	250	74	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	340	210	62	45 - 122	ug/kg wet
4-Chloroaniline	340	79.6	23	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	340	220	65	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	340	213	62	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	340	201	59	33 - 131	ug/kg wet
2-Chloronaphthalene	340	235	69	41 - 114	ug/kg wet
2-Chlorophenol	340	214	63	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	340	220	65	45 - 121	ug/kg wet
Chrysene	340	255	75	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	340	291	85	45 - 134	ug/kg wet
Dibenzofuran	340	218	64	44 - 120	ug/kg wet
Di-n-butyl Phthalate	340	250	73	51 - 128	ug/kg wet
1,4-Dichlorobenzene	340	216	63	31 - 115	ug/kg wet
1,2-Dichlorobenzene	340	223	66	33 - 117	ug/kg wet
1,3-Dichlorobenzene	340	213	63	30 - 115	ug/kg wet
3,3´-Dichlorobenzidine	680	ND	*	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410563-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410563
Sequence: 4J09062

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	340	229	67	40 - 122	ug/kg wet
Diethyl Phthalate	340	232	68	50 - 124	ug/kg wet
2,4-Dimethylphenol	340	212	62	30 - 127	ug/kg wet
Dimethyl Phthalate	340	228	67	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	340	248	73	29 - 132	ug/kg wet
2,4-Dinitrophenol	340	247	72	15 - 130	ug/kg wet
2,6-Dinitrotoluene	340	227	67	46 - 124	ug/kg wet
2,4-Dinitrotoluene	340	235	69	48 - 126	ug/kg wet
Di-n-octyl Phthalate	340	273	80	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	340	231	68	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	340	297	87	51 - 133	ug/kg wet
Fluoranthene	340	237	70	50 - 127	ug/kg wet
Fluorene	340	222	65	43 - 125	ug/kg wet
Hexachlorobenzene	340	245	72	45 - 122	ug/kg wet
Hexachlorobutadiene	340	225	66	32 - 132	ug/kg wet
Hexachloroethane	340	205	60	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	340	291	85	45 - 133	ug/kg wet
Isophorone	340	195	57	30 - 122	ug/kg wet
2-Methylnaphthalene	340	223	66	38 - 122	ug/kg wet
3+4-Methylphenol	340	227	67	34 - 119	ug/kg wet
2-Methylphenol	340	211	62	32 - 122	ug/kg wet
Naphthalene	340	222	65	35 - 123	ug/kg wet
4-Nitroaniline	340	165	48	35 - 115	ug/kg wet
2-Nitroaniline	340	204	60	45 - 120	ug/kg wet
3-Nitroaniline	340	99.3	29	25 - 110	ug/kg wet
Nitrobenzene	340	216	64	34 - 122	ug/kg wet
2-Nitrophenol	340	233	69	36 - 123	ug/kg wet
4-Nitrophenol	340	239	70	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	340	196	58	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410563-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410563
Sequence: 4J09062

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	340	236	69	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	340	225	66	36 - 120	ug/kg wet
Pentachlorophenol	340	249	73	25 - 133	ug/kg wet
Phenanthrene	340	235	69	50 - 121	ug/kg wet
Phenol	340	215	63	34 - 121	ug/kg wet
Pyrene	340	255	75	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	340	224	66	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	340	225	66	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	340	229	67	39 - 126	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

QC Batch: 1410563

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410563-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 29 grams / 1 mL
Sequence: 4J21016

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	345	313	91	40 - 123	ug/kg wet
Acenaphthylene	345	298	86	32 - 132	ug/kg wet
Anthracene	345	325	94	47 - 123	ug/kg wet
Benzo(a)anthracene	345	345	100	49 - 126	ug/kg wet
Benzo(a)pyrene	345	352	102	45 - 129	ug/kg wet
Benzo(b)fluoranthene	345	361	105	45 - 132	ug/kg wet
Benzo(k)fluoranthene	345	319	93	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	345	364	106	43 - 134	ug/kg wet
Benzoic Acid	1720	1500	87	0 - 110	ug/kg wet
Benzyl Alcohol	345	328	95	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	345	326	95	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	345	391	114	48 - 132	ug/kg wet
Carbazole	345	321	93	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	345	257	74	45 - 122	ug/kg wet
4-Chloroaniline	345	75.2	22	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	345	328	95	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	345	262	76	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	345	294	85	33 - 131	ug/kg wet
2-Chloronaphthalene	345	325	94	41 - 114	ug/kg wet
2-Chlorophenol	345	261	76	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	345	312	90	45 - 121	ug/kg wet
Chrysene	345	318	92	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	345	393	114	45 - 134	ug/kg wet
Dibenzofuran	345	314	91	44 - 120	ug/kg wet
Di-n-butyl Phthalate	345	353	102	51 - 128	ug/kg wet
1,4-Dichlorobenzene	345	287	83	31 - 115	ug/kg wet
1,2-Dichlorobenzene	345	299	87	33 - 117	ug/kg wet
1,3-Dichlorobenzene	345	286	83	30 - 115	ug/kg wet
3,3´-Dichlorobenzidine	690	ND	*	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410563-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 29 grams / 1 mL

QC Batch: 1410563
Sequence: 4J21016

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	345	329	95	40 - 122	ug/kg wet
Diethyl Phthalate	345	282	82	50 - 124	ug/kg wet
2,4-Dimethylphenol	345	139	40	30 - 127	ug/kg wet
Dimethyl Phthalate	345	264	76	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	345	326	94	29 - 132	ug/kg wet
2,4-Dinitrophenol	345	376	109	15 - 130	ug/kg wet
2,6-Dinitrotoluene	345	326	95	46 - 124	ug/kg wet
2,4-Dinitrotoluene	345	284	82	48 - 126	ug/kg wet
Di-n-octyl Phthalate	345	396	115	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	345	318	92	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	345	383	111	51 - 133	ug/kg wet
Fluoranthene	345	332	96	50 - 127	ug/kg wet
Fluorene	345	319	93	43 - 125	ug/kg wet
Hexachlorobenzene	345	311	90	45 - 122	ug/kg wet
Hexachlorobutadiene	345	297	86	32 - 132	ug/kg wet
Hexachloroethane	345	288	84	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	345	392	114	45 - 133	ug/kg wet
Isophorone	345	285	83	30 - 122	ug/kg wet
2-Methylnaphthalene	345	318	92	38 - 122	ug/kg wet
3+4-Methylphenol	345	319	92	34 - 119	ug/kg wet
2-Methylphenol	345	276	80	32 - 122	ug/kg wet
Naphthalene	345	307	89	35 - 123	ug/kg wet
4-Nitroaniline	345	191	55	35 - 115	ug/kg wet
2-Nitroaniline	345	238	69	45 - 120	ug/kg wet
3-Nitroaniline	345	144	42	25 - 110	ug/kg wet
Nitrobenzene	345	319	92	34 - 122	ug/kg wet
2-Nitrophenol	345	341	99	36 - 123	ug/kg wet
4-Nitrophenol	345	367	106	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	345	222	64	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410563

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410563-BS2

Preparation: 3550C Sonication Extraction

Initial/Final: 29 grams / 1 mL

Sequence: 4J21016

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	345	265	77	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	345	328	95	36 - 120	ug/kg wet
Pentachlorophenol	345	328	95	25 - 133	ug/kg wet
Phenanthrene	345	324	94	50 - 121	ug/kg wet
Phenol	345	302	87	34 - 121	ug/kg wet
Pyrene	345	320	93	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	345	301	87	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	345	266	77	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	345	382	111	39 - 126	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410565-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410565
Sequence: 4J09008

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	10.0	9.35	94	47 - 122	ug/L
Acenaphthylene	10.0	9.12	91	41 - 130	ug/L
Anthracene	10.0	9.87	99	57 - 123	ug/L
Benzo(a)anthracene	10.0	10.2	102	58 - 125	ug/L
Benzo(a)pyrene	10.0	10.6	106	54 - 128	ug/L
Benzo(b)fluoranthene	10.0	11.1	111	53 - 131	ug/L
Benzo(k)fluoranthene	10.0	9.13	91	57 - 129	ug/L
Benzo(g,h,i)perylene	10.0	11.4	114	50 - 134	ug/L
Benzoic Acid	50.0	8.62	17	0 - 125	ug/L
Benzyl Alcohol	10.0	8.37	84	25 - 107	ug/L
4-Bromophenyl Phenyl Ether	10.0	10.1	101	55 - 124	ug/L
Butyl Benzyl Phthalate	10.0	11.5	115	53 - 134	ug/L
Carbazole	10.0	10.3	103	60 - 122	ug/L
4-Chloro-3-methylphenol	10.0	9.73	97	52 - 119	ug/L
4-Chloroaniline	10.0	8.68	87	33 - 117	ug/L
Bis(2-chloroethoxy)methane	10.0	9.11	91	48 - 120	ug/L
Bis(2-chloroethyl) Ether	10.0	8.58	86	43 - 118	ug/L
Bis(2-chloroisopropyl) Ether	10.0	7.84	78	37 - 130	ug/L
2-Chloronaphthalene	10.0	9.82	98	40 - 116	ug/L
2-Chlorophenol	10.0	8.73	87	38 - 117	ug/L
4-Chlorophenyl Phenyl Ether	10.0	9.41	94	53 - 121	ug/L
Chrysene	10.0	9.84	98	59 - 123	ug/L
Dibenz(a,h)anthracene	10.0	11.8	118	51 - 134	ug/L
Dibenzofuran	10.0	9.27	93	53 - 118	ug/L
Di-n-butyl Phthalate	10.0	10.7	107	51 - 140	ug/L
1,4-Dichlorobenzene	10.0	8.13	81	29 - 112	ug/L
1,2-Dichlorobenzene	10.0	8.45	84	32 - 111	ug/L
1,3-Dichlorobenzene	10.0	8.40	84	28 - 110	ug/L
3,3´-Dichlorobenzidine	20.0	16.0	80	27 - 129	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410565-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410565
Sequence: 4J09008

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	10.0	9.91	99	47 - 121	ug/L
Diethyl Phthalate	10.0	10.1	101	56 - 125	ug/L
2,4-Dimethylphenol	10.0	9.01	90	31 - 124	ug/L
Dimethyl Phthalate	10.0	10.2	102	45 - 127	ug/L
4,6-Dinitro-2-methylphenol	10.0	11.7	117	44 - 137	ug/L
2,4-Dinitrophenol	10.0	12.1	121	23 - 143	ug/L
2,6-Dinitrotoluene	10.0	10.5	105	57 - 124	ug/L
2,4-Dinitrotoluene	10.0	10.2	102	57 - 128	ug/L
Di-n-octyl Phthalate	10.0	11.4	114	51 - 140	ug/L
1,2-Diphenylhydrazine	10.0	10.1	101	49 - 122	ug/L
Bis(2-ethylhexyl) Phthalate	10.0	11.9	119	55 - 135	ug/L
Fluoranthene	10.0	9.48	95	57 - 128	ug/L
Fluorene	10.0	9.51	95	52 - 124	ug/L
Hexachlorobenzene	10.0	10.2	102	53 - 125	ug/L
Hexachlorobutadiene	10.0	8.81	88	22 - 124	ug/L
Hexachloroethane	10.0	8.15	82	21 - 115	ug/L
Indeno(1,2,3-cd)pyrene	10.0	11.8	118	52 - 134	ug/L
Isophorone	10.0	8.26	83	42 - 124	ug/L
2-Methylnaphthalene	10.0	9.08	91	40 - 121	ug/L
3+4-Methylphenol	10.0	7.49	75	29 - 110	ug/L
2-Methylphenol	10.0	7.80	78	30 - 117	ug/L
Naphthalene	10.0	8.82	88	40 - 121	ug/L
4-Nitroaniline	10.0	8.70	87	27 - 143	ug/L
2-Nitroaniline	10.0	9.99	100	55 - 127	ug/L
3-Nitroaniline	10.0	8.92	89	41 - 128	ug/L
Nitrobenzene	10.0	8.92	89	45 - 121	ug/L
2-Nitrophenol	10.0	9.98	100	47 - 123	ug/L
4-Nitrophenol	10.0	3.87	39	18 - 61	ug/L
N-Nitroso-dimethylamine	10.0	4.91	49	38 - 121	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410565-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410565
Sequence: 4J09008

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	10.0	10.1	101	51 - 123	ug/L
N-Nitroso-di-n-propylamine	10.0	9.17	92	49 - 119	ug/L
Pentachlorophenol	10.0	11.5	115	35 - 138	ug/L
Phenanthrene	10.0	9.75	98	59 - 120	ug/L
Phenol	10.0	4.36	44	22 - 52	ug/L
Pyrene	10.0	10.4	104	57 - 126	ug/L
1,2,4-Trichlorobenzene	10.0	8.98	90	29 - 116	ug/L
2,4,5-Trichlorophenol	10.0	10.8	108	53 - 123	ug/L
2,4,6-Trichlorophenol	10.0	10.8	108	50 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410842-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410842
Sequence: 4J22008

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	10.0	10.1	101	47 - 122	ug/L
Acenaphthylene	10.0	9.86	99	41 - 130	ug/L
Anthracene	10.0	10.7	107	57 - 123	ug/L
Benzo(a)anthracene	10.0	10.7	107	58 - 125	ug/L
Benzo(a)pyrene	10.0	11.9	119	54 - 128	ug/L
Benzo(b)fluoranthene	10.0	12.4	124	53 - 131	ug/L
Benzo(k)fluoranthene	10.0	10.2	102	57 - 129	ug/L
Benzo(g,h,i)perylene	10.0	11.5	115	50 - 134	ug/L
Benzoic Acid	50.0	16.1	32	0 - 125	ug/L
Benzyl Alcohol	10.0	8.95	90	25 - 107	ug/L
4-Bromophenyl Phenyl Ether	10.0	10.2	102	55 - 124	ug/L
Butyl Benzyl Phthalate	10.0	12.5	125	53 - 134	ug/L
Carbazole	10.0	11.1	111	60 - 122	ug/L
4-Chloro-3-methylphenol	10.0	10.1	101	52 - 119	ug/L
4-Chloroaniline	10.0	9.41	94	33 - 117	ug/L
Bis(2-chloroethoxy)methane	10.0	10.1	101	48 - 120	ug/L
Bis(2-chloroethyl) Ether	10.0	10.3	103	43 - 118	ug/L
Bis(2-chloroisopropyl) Ether	10.0	10.1	101	37 - 130	ug/L
2-Chloronaphthalene	10.0	10.5	105	40 - 116	ug/L
2-Chlorophenol	10.0	9.59	96	38 - 117	ug/L
4-Chlorophenyl Phenyl Ether	10.0	9.61	96	53 - 121	ug/L
Chrysene	10.0	10.5	105	59 - 123	ug/L
Dibenz(a,h)anthracene	10.0	12.1	121	51 - 134	ug/L
Dibenzofuran	10.0	9.93	99	53 - 118	ug/L
Di-n-butyl Phthalate	10.0	11.3	113	51 - 140	ug/L
1,4-Dichlorobenzene	10.0	9.62	96	29 - 112	ug/L
1,2-Dichlorobenzene	10.0	10.1	101	32 - 111	ug/L
1,3-Dichlorobenzene	10.0	9.59	96	28 - 110	ug/L
3,3´-Dichlorobenzidine	20.0	23.7	119	27 - 129	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410842-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410842
Sequence: 4J22008

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	10.0	10.0	100	47 - 121	ug/L
Diethyl Phthalate	10.0	10.1	101	56 - 125	ug/L
2,4-Dimethylphenol	10.0	8.82	88	31 - 124	ug/L
Dimethyl Phthalate	10.0	10.2	102	45 - 127	ug/L
4,6-Dinitro-2-methylphenol	10.0	11.3	113	44 - 137	ug/L
2,4-Dinitrophenol	10.0	13.2	132	23 - 143	ug/L
2,6-Dinitrotoluene	10.0	10.5	105	57 - 124	ug/L
2,4-Dinitrotoluene	10.0	10.5	105	57 - 128	ug/L
Di-n-octyl Phthalate	10.0	11.5	115	51 - 140	ug/L
1,2-Diphenylhydrazine	10.0	10.6	106	49 - 122	ug/L
Bis(2-ethylhexyl) Phthalate	10.0	12.0	120	55 - 135	ug/L
Fluoranthene	10.0	10.5	105	57 - 128	ug/L
Fluorene	10.0	10.1	101	52 - 124	ug/L
Hexachlorobenzene	10.0	9.90	99	53 - 125	ug/L
Hexachlorobutadiene	10.0	9.20	92	22 - 124	ug/L
Hexachloroethane	10.0	9.85	98	21 - 115	ug/L
Indeno(1,2,3-cd)pyrene	10.0	12.1	121	52 - 134	ug/L
Isophorone	10.0	9.03	90	42 - 124	ug/L
2-Methylnaphthalene	10.0	9.86	99	40 - 121	ug/L
3+4-Methylphenol	10.0	8.56	86	29 - 110	ug/L
2-Methylphenol	10.0	8.68	87	30 - 117	ug/L
Naphthalene	10.0	9.94	99	40 - 121	ug/L
4-Nitroaniline	10.0	9.82	98	27 - 143	ug/L
2-Nitroaniline	10.0	10.3	103	55 - 127	ug/L
3-Nitroaniline	10.0	9.30	93	41 - 128	ug/L
Nitrobenzene	10.0	10.2	102	45 - 121	ug/L
2-Nitrophenol	10.0	10.9	109	47 - 123	ug/L
4-Nitrophenol	10.0	4.16	42	18 - 61	ug/L
N-Nitroso-dimethylamine	10.0	5.54	55	38 - 121	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Water

QC Batch: 1410842

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410842-BS1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 1000 mL / 1 mL

Sequence: 4J22008

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	10.0	10.7	107	51 - 123	ug/L
N-Nitroso-di-n-propylamine	10.0	11.5	115	49 - 119	ug/L
Pentachlorophenol	10.0	11.0	110	35 - 138	ug/L
Phenanthrene	10.0	10.3	103	59 - 120	ug/L
Phenol	10.0	5.19	52	22 - 52	ug/L
Pyrene	10.0	11.0	110	57 - 126	ug/L
1,2,4-Trichlorobenzene	10.0	9.42	94	29 - 116	ug/L
2,4,5-Trichlorophenol	10.0	10.5	105	53 - 123	ug/L
2,4,6-Trichlorophenol	10.0	10.4	104	50 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410920-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410920
Sequence: 4J21016

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	347	328	95	40 - 123	ug/kg wet
Acenaphthylene	347	314	90	32 - 132	ug/kg wet
Anthracene	347	331	95	47 - 123	ug/kg wet
Benzo(a)anthracene	347	340	98	49 - 126	ug/kg wet
Benzo(a)pyrene	347	354	102	45 - 129	ug/kg wet
Benzo(b)fluoranthene	347	348	100	45 - 132	ug/kg wet
Benzo(k)fluoranthene	347	328	94	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	347	360	104	43 - 134	ug/kg wet
Benzoic Acid	1740	981	56	0 - 110	ug/kg wet
Benzyl Alcohol	347	298	86	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	347	326	94	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	347	392	113	48 - 132	ug/kg wet
Carbazole	347	344	99	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	347	301	87	45 - 122	ug/kg wet
4-Chloroaniline	347	59.4	17	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	347	302	87	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	347	314	91	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	347	312	90	33 - 131	ug/kg wet
2-Chloronaphthalene	347	316	91	41 - 114	ug/kg wet
2-Chlorophenol	347	315	91	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	347	329	95	45 - 121	ug/kg wet
Chrysene	347	332	96	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	347	383	110	45 - 134	ug/kg wet
Dibenzofuran	347	330	95	44 - 120	ug/kg wet
Di-n-butyl Phthalate	347	363	104	51 - 128	ug/kg wet
1,4-Dichlorobenzene	347	303	87	31 - 115	ug/kg wet
1,2-Dichlorobenzene	347	316	91	33 - 117	ug/kg wet
1,3-Dichlorobenzene	347	303	87	30 - 115	ug/kg wet
3,3′-Dichlorobenzidine	694	ND	*	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410920

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410920-BS1

Preparation: 3550C Sonication Extraction

Initial/Final: 28.8 grams / 1 mL

Sequence: 4J21016

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	347	264	76	40 - 122	ug/kg wet
Diethyl Phthalate	347	360	104	50 - 124	ug/kg wet
2,4-Dimethylphenol	347	117	34	30 - 127	ug/kg wet
Dimethyl Phthalate	347	348	100	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	347	339	98	29 - 132	ug/kg wet
2,4-Dinitrophenol	347	367	106	15 - 130	ug/kg wet
2,6-Dinitrotoluene	347	355	102	46 - 124	ug/kg wet
2,4-Dinitrotoluene	347	357	103	48 - 126	ug/kg wet
Di-n-octyl Phthalate	347	385	111	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	347	318	92	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	347	388	112	51 - 133	ug/kg wet
Fluoranthene	347	326	94	50 - 127	ug/kg wet
Fluorene	347	338	97	43 - 125	ug/kg wet
Hexachlorobenzene	347	311	90	45 - 122	ug/kg wet
Hexachlorobutadiene	347	303	87	32 - 132	ug/kg wet
Hexachloroethane	347	299	86	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	347	383	110	45 - 133	ug/kg wet
Isophorone	347	243	70	30 - 122	ug/kg wet
2-Methylnaphthalene	347	299	86	38 - 122	ug/kg wet
3+4-Methylphenol	347	273	79	34 - 119	ug/kg wet
2-Methylphenol	347	265	76	32 - 122	ug/kg wet
Naphthalene	347	319	92	35 - 123	ug/kg wet
4-Nitroaniline	347	197	57	35 - 115	ug/kg wet
2-Nitroaniline	347	328	95	45 - 120	ug/kg wet
3-Nitroaniline	347	117	34	25 - 110	ug/kg wet
Nitrobenzene	347	325	94	34 - 122	ug/kg wet
2-Nitrophenol	347	333	96	36 - 123	ug/kg wet
4-Nitrophenol	347	397	114	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	347	302	87	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410920-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 28.8 grams / 1 mL
Sequence: 4J21016

QC Batch: 1410920

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	347	320	92	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	347	315	91	36 - 120	ug/kg wet
Pentachlorophenol	347	322	93	25 - 133	ug/kg wet
Phenanthrene	347	322	93	50 - 121	ug/kg wet
Phenol	347	306	88	34 - 121	ug/kg wet
Pyrene	347	326	94	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	347	309	89	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	347	322	93	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	347	307	88	39 - 126	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410920

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410920-BS2

Preparation: 3550C Sonication Extraction

Initial/Final: 29 grams / 1 mL

Sequence: 4J22044

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	345	316	92	40 - 123	ug/kg wet
Acenaphthylene	345	308	89	32 - 132	ug/kg wet
Anthracene	345	339	98	47 - 123	ug/kg wet
Benzo(a)anthracene	345	364	106	49 - 126	ug/kg wet
Benzo(a)pyrene	345	367	106	45 - 129	ug/kg wet
Benzo(b)fluoranthene	345	364	106	45 - 132	ug/kg wet
Benzo(k)fluoranthene	345	327	95	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	345	372	108	43 - 134	ug/kg wet
Benzoic Acid	1720	1410	82	0 - 110	ug/kg wet
Benzyl Alcohol	345	325	94	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	345	322	93	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	345	403	117	48 - 132	ug/kg wet
Carbazole	345	369	107	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	345	328	95	45 - 122	ug/kg wet
4-Chloroaniline	345	97.2	28	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	345	311	90	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	345	284	82	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	345	287	83	33 - 131	ug/kg wet
2-Chloronaphthalene	345	331	96	41 - 114	ug/kg wet
2-Chlorophenol	345	303	88	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	345	317	92	45 - 121	ug/kg wet
Chrysene	345	334	97	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	345	388	113	45 - 134	ug/kg wet
Dibenzofuran	345	317	92	44 - 120	ug/kg wet
Di-n-butyl Phthalate	345	363	105	51 - 128	ug/kg wet
1,4-Dichlorobenzene	345	279	81	31 - 115	ug/kg wet
1,2-Dichlorobenzene	345	293	85	33 - 117	ug/kg wet
1,3-Dichlorobenzene	345	276	80	30 - 115	ug/kg wet
3,3´-Dichlorobenzidine	690	301	44	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410920-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 29 grams / 1 mL

QC Batch: 1410920
Sequence: 4J22044

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	345	317	92	40 - 122	ug/kg wet
Diethyl Phthalate	345	343	99	50 - 124	ug/kg wet
2,4-Dimethylphenol	345	300	87	30 - 127	ug/kg wet
Dimethyl Phthalate	345	315	91	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	345	387	112	29 - 132	ug/kg wet
2,4-Dinitrophenol	345	483	140 *	15 - 130	ug/kg wet
2,6-Dinitrotoluene	345	327	95	46 - 124	ug/kg wet
2,4-Dinitrotoluene	345	357	104	48 - 126	ug/kg wet
Di-n-octyl Phthalate	345	405	118	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	345	319	92	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	345	385	112	51 - 133	ug/kg wet
Fluoranthene	345	342	99	50 - 127	ug/kg wet
Fluorene	345	323	94	43 - 125	ug/kg wet
Hexachlorobenzene	345	304	88	45 - 122	ug/kg wet
Hexachlorobutadiene	345	281	82	32 - 132	ug/kg wet
Hexachloroethane	345	272	79	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	345	397	115	45 - 133	ug/kg wet
Isophorone	345	269	78	30 - 122	ug/kg wet
2-Methylnaphthalene	345	307	89	38 - 122	ug/kg wet
3+4-Methylphenol	345	333	96	34 - 119	ug/kg wet
2-Methylphenol	345	308	89	32 - 122	ug/kg wet
Naphthalene	345	302	88	35 - 123	ug/kg wet
4-Nitroaniline	345	328	95	35 - 115	ug/kg wet
2-Nitroaniline	345	320	93	45 - 120	ug/kg wet
3-Nitroaniline	345	140	40	25 - 110	ug/kg wet
Nitrobenzene	345	308	89	34 - 122	ug/kg wet
2-Nitrophenol	345	330	96	36 - 123	ug/kg wet
4-Nitrophenol	345	451	131	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	345	283	82	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410920

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410920-BS2

Preparation: 3550C Sonication Extraction

Initial/Final: 29 grams / 1 mL

Sequence: 4J22044

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	345	331	96	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	345	320	93	36 - 120	ug/kg wet
Pentachlorophenol	345	375	109	25 - 133	ug/kg wet
Phenanthrene	345	330	96	50 - 121	ug/kg wet
Phenol	345	309	90	34 - 121	ug/kg wet
Pyrene	345	341	99	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	345	289	84	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	345	326	95	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	345	342	99	39 - 126	ug/kg wet

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410325-BLK1
File ID: 1410325-blk1.D
Prepared: 09/29/14 07:52
Analyzed: 10/05/14 12:57
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 1000 mL / 1 mL
QC Batch: 1410325
Sequence: 4J06027
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	0.10	ug/L	0.033	0.10	0.50	U
208-96-8	Acenaphthylene	0.050	ug/L	0.017	0.050	0.50	U
120-12-7	Anthracene	0.20	ug/L	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	0.10	ug/L	0.045	0.10	0.50	U
50-32-8	Benzo(a)pyrene	0.10	ug/L	0.040	0.10	0.50	U
205-99-2	Benzo(b)fluoranthene	0.20	ug/L	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	0.20	ug/L	0.060	0.20	0.50	U
191-24-2	Benzo(g,h,i)perylene	0.20	ug/L	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	2.0	ug/L	0.48	2.0	5.0	U
100-51-6	Benzyl Alcohol	0.060	ug/L	0.049	0.10	0.50	J
101-55-3	4-Bromophenyl Phenyl Ether	0.10	ug/L	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	0.20	ug/L	0.056	0.20	1.0	U
86-74-8	Carbazole	0.20	ug/L	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	0.25	ug/L	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	0.25	ug/L	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	0.050	ug/L	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	0.050	ug/L	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	0.10	ug/L	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	0.050	ug/L	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	0.10	ug/L	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	0.10	ug/L	0.048	0.10	0.50	U
218-01-9	Chrysene	0.10	ug/L	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	0.25	ug/L	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	0.10	ug/L	0.041	0.10	0.50	U
84-74-2	Di-n-butyl Phthalate	1.0	ug/L	0.14	1.0	1.0	U
106-46-7	1,4-Dichlorobenzene	0.050	ug/L	0.020	0.050	0.50	U
95-50-1	1,2-Dichlorobenzene	0.10	ug/L	0.040	0.10	0.50	U
541-73-1	1,3-Dichlorobenzene	0.10	ug/L	0.041	0.10	0.50	U
91-94-1	3,3′-Dichlorobenzidine	0.50	ug/L	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	0.20	ug/L	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	0.25	ug/L	0.065	0.25	0.50	U
105-67-9	2,4-Dimethylphenol	0.50	ug/L	0.17	0.50	1.0	U
131-11-3	Dimethyl Phthalate	0.10	ug/L	0.046	0.10	0.50	U
534-52-1	4,6-Dinitro-2-methylphenol	4.0	ug/L	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	5.0	ug/L	1.2	5.0	5.0	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410325-BLK1
File ID: 1410325-blk1.D
Prepared: 09/29/14 07:52
Analyzed: 10/05/14 12:57
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 1000 mL / 1 mL
QC Batch: 1410325
Sequence: 4J06027
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	0.20	ug/L	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	0.10	ug/L	0.048	0.10	0.50	U
117-84-0	Di-n-octyl Phthalate	0.20	ug/L	0.077	0.20	0.50	U
122-66-7	1,2-Diphenylhydrazine	0.10	ug/L	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	0.30	ug/L	0.11	0.50	0.50	J
206-44-0	Fluoranthene	0.20	ug/L	0.063	0.20	0.50	U
86-73-7	Fluorene	0.10	ug/L	0.041	0.10	0.50	U
118-74-1	Hexachlorobenzene	0.20	ug/L	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	0.10	ug/L	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	0.10	ug/L	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.25	ug/L	0.080	0.25	0.50	U
78-59-1	Isophorone	0.10	ug/L	0.045	0.10	0.50	U
91-57-6	2-Methylnaphthalene	0.050	ug/L	0.015	0.050	0.50	U
108-39-4	3+4-Methylphenol	0.20	ug/L	0.057	0.20	5.0	U
95-48-7	2-Methylphenol	0.20	ug/L	0.048	0.20	0.50	U
91-20-3	Naphthalene	0.10	ug/L	0.031	0.10	0.50	U
100-01-6	4-Nitroaniline	1.0	ug/L	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	0.50	ug/L	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	0.50	ug/L	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	0.20	ug/L	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	0.20	ug/L	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	5.0	ug/L	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	0.10	ug/L	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	0.20	ug/L	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	0.20	ug/L	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	0.50	ug/L	0.13	0.50	0.50	U
85-01-8	Phenanthrene	0.10	ug/L	0.043	0.10	0.50	U
108-95-2	Phenol	0.11	ug/L	0.034	0.10	0.50	J
129-00-0	Pyrene	0.20	ug/L	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.10	ug/L	0.027	0.10	0.50	U
95-95-4	2,4,5-Trichlorophenol	0.25	ug/L	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	0.25	ug/L	0.085	0.25	0.50	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
2-Fluorophenol	20.0	8.52	43	19 - 119	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410325-BLK1
File ID: 1410325-blk1.D
Prepared: 09/29/14 07:52
Analyzed: 10/05/14 12:57
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 1000 mL / 1 mL
QC Batch: 1410325
Sequence: 4J06027
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Phenol-d6	20.0	6.86	34	18 - 45	
Nitrobenzene-d5	10.0	10.4	104	44 - 120	
2-Fluorobiphenyl	10.0	10.8	108	44 - 119	
2,4,6-Tribromophenol	20.0	11.1	56	43 - 140	
o-Terphenyl	10.0	11.6	116	42 - 125	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	308826	7.608	403279	7.614	
Naphthalene-d8	1212936	10.353	1529030	10.359	
Acenaphthene-d10	645132	14.468	866604	14.474	
Phenanthrene-d10	1019637	17.896	1400442	17.901	
Chrysene-d12	804610	21.533	1153654	21.538	
Perylene-d12	592734	23.211	991596	23.211	

QC BATCH SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

QC Batch: 1410325 QC Batch Matrix: Water

SDG: 50094-12

Project: Gabreski ANGB, NY

Preparation: 3510C Liquid-Liquid Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU14GW15-01	1409422-12	09/29/14 07:52	
GA-TU14GW20-01	1409444-02	09/29/14 07:52	
GA-TU13GW02-01	1409479-09	09/29/14 07:52	
GA-TU13GW05-01	1409479-10	09/29/14 07:52	
GA-TU13GW03-01	1409479-11	09/29/14 07:52	
Blank	1410325-BLK1	09/29/14 07:52	
LCS	1410325-BS1	09/29/14 07:52	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410423-BLK1
File ID: 1410423-blk1.D
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 13:30
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	86	ug/kg wet	69	170	330	J
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3´-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410423-BLK1
File ID: 1410423-blk1.D
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 13:30
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	17	ug/kg wet	3.9	17	17	U
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	19	ug/kg wet	12	17	33	J
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	17	ug/kg wet	3.9	17	170	U
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	694	508	73	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410423-BLK1
File ID: 1410423-blk1.D
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 13:30
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	694	397	57	30 - 115	
Nitrobenzene-d5	347	267	77	33 - 131	
2-Fluorobiphenyl	347	297	86	46 - 122	
2,4,6-Tribromophenol	694	458	66	12 - 124	
o-Terphenyl	347	306	88	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	435898	7.66	403279	7.614	
Naphthalene-d8	1588906	10.365	1529030	10.359	
Acenaphthene-d10	953522	14.468	866604	14.474	
Phenanthrene-d10	1569333	17.895	1400442	17.901	
Chrysene-d12	1295146	21.532	1153654	21.538	
Perylene-d12	1019434	23.211	991596	23.211	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410423-BLK2 File ID: 1410423-blk2.D

Prepared: 10/06/14 12:32 Analyzed: 10/07/14 10:41

Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	170	ug/kg wet	69	170	330	U
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3'-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410423-BLK2 File ID: 1410423-blk2.D

Prepared: 10/06/14 12:32 Analyzed: 10/07/14 10:41

Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	17	ug/kg wet	3.9	17	17	U
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	17	ug/kg wet	12	17	33	U
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	6.3	ug/kg wet	3.9	17	170	J
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	697	569	82	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410423-BLK2
File ID: 1410423-blk2.D
Prepared: 10/06/14 12:32
Analyzed: 10/07/14 10:41
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08017
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	697	598	86	30 - 115	
Nitrobenzene-d5	348	300	86	33 - 131	
2-Fluorobiphenyl	348	317	91	46 - 122	
2,4,6-Tribromophenol	697	601	86	12 - 124	
o-Terphenyl	348	352	101	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	366861	7.602	403279	7.614	
Naphthalene-d8	1403696	10.318	1529030	10.359	
Acenaphthene-d10	801841	14.422	866604	14.474	
Phenanthrene-d10	1281892	17.855	1400442	17.901	
Chrysene-d12	1042023	21.497	1153654	21.538	
Perylene-d12	856210	23.164	991596	23.211	

QC BATCH SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
QC Batch: 1410423 QC Batch Matrix: Soil
Preparation: 3550C Sonication Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU14SB16-12	1409422-01	09/30/14 07:32	
GA-TU14SB16-12	1409422-01RE1	09/30/14 07:32	Added 10/8/2014 by JLB
GA-TU14SB16-35	1409422-02	09/30/14 07:32	
GA-TU14SB15-13	1409422-03	09/30/14 07:32	
GA-TU14SB17-21	1409422-04	09/30/14 07:32	
GA-TU14SB17-34	1409422-05	09/30/14 07:32	
GA-TU14SB19-35	1409422-06	09/30/14 07:32	
GA-TU14SB15-35	1409422-07	09/30/14 07:32	
GA-TU14SB15-35	1409422-07RE1	10/06/14 12:32	Added 10/6/2014 by JTS
GA-TU14SB15-35DUP	1409422-08	09/30/14 07:32	
GA-TU14SB18-35	1409422-10	09/30/14 07:32	
GA-TU14SB18-05	1409422-11	09/30/14 07:32	
GA-TU14SB23-25	1409444-03	09/30/14 07:32	
GA-TU14SB23-33	1409444-04	09/30/14 07:32	
GA-TU14SB24-07	1409444-05	09/30/14 07:32	
GA-TU14SB24-07	1409444-05RE1	09/30/14 07:32	Added 10/8/2014 by JLB
GA-TU14SB24-33	1409444-06	09/30/14 07:32	
GA-TU14SB21-5	1409444-07	09/30/14 07:32	
GA-TU14SB21-33	1409444-08	09/30/14 07:32	
GA-TU14SB22-26	1409444-09	09/30/14 07:32	
GA-TU14SB22-33	1409444-10	09/30/14 07:32	
GA-TU14SB20-5	1409444-11	09/30/14 07:32	
GA-TU14SB20-33	1409444-12	09/30/14 07:32	
Blank	1410423-BLK1	09/30/14 07:32	
Blank	1410423-BLK2	10/06/14 12:32	
LCS	1410423-BS1	09/30/14 07:32	
LCS	1410423-BS2	10/06/14 12:32	
GA-TU14SB15-35	1410423-MS1	09/30/14 07:32	
GA-TU14SB15-35	1410423-MSD1	09/30/14 07:32	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410496-BLK1
File ID: 1410496-blk1.D
Prepared: 10/01/14 07:29
Analyzed: 10/07/14 16:34
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	88	ug/kg wet	69	170	330	J
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3´-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410496-BLK1 File ID: 1410496-blk1.D

Prepared: 10/01/14 07:29 Analyzed: 10/07/14 16:34

Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	17	ug/kg wet	3.9	17	17	U
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	28	ug/kg wet	12	17	33	J
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	17	ug/kg wet	3.9	17	170	U
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	697	544	78	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410496-BLK1
File ID: 1410496-blk1.D
Prepared: 10/01/14 07:29
Analyzed: 10/07/14 16:34
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	697	607	87	30 - 115	
Nitrobenzene-d5	348	314	90	33 - 131	
2-Fluorobiphenyl	348	332	95	46 - 122	
2,4,6-Tribromophenol	697	487	70	12 - 124	
o-Terphenyl	348	366	105	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	399233	7.585	403279	7.614	
Naphthalene-d8	1478870	10.289	1529030	10.359	
Acenaphthene-d10	873142	14.398	866604	14.474	
Phenanthrene-d10	1414283	17.837	1400442	17.901	
Chrysene-d12	1237406	21.486	1153654	21.538	
Perylene-d12	1081897	23.147	991596	23.211	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410496-BLK2
File ID: 1410496-blk2.D
Prepared: 10/08/14 07:29
Analyzed: 10/10/14 09:50
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	87	ug/kg wet	69	170	330	J
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3′-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410496-BLK2 File ID: 1410496-blk2.D

Prepared: 10/08/14 07:29 Analyzed: 10/10/14 09:50

Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410496 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	17	ug/kg wet	3.9	17	17	U
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	23	ug/kg wet	12	17	33	J
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	17	ug/kg wet	3.9	17	170	U
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	697	506	73	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410496-BLK2
File ID: 1410496-blk2.D
Prepared: 10/08/14 07:29
Analyzed: 10/10/14 09:50
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	697	557	80	30 - 115	
Nitrobenzene-d5	348	298	86	33 - 131	
2-Fluorobiphenyl	348	307	88	46 - 122	
2,4,6-Tribromophenol	697	490	70	12 - 124	
o-Terphenyl	348	324	93	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	421511	7.496	403279	7.614	
Naphthalene-d8	1570941	10.2	1529030	10.359	
Acenaphthene-d10	892672	14.298	866604	14.474	
Phenanthrene-d10	1368311	17.748	1400442	17.901	
Chrysene-d12	1111211	21.414	1153654	21.538	
Perylene-d12	869793	23.046	991596	23.211	

QC BATCH SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

QC Batch: 1410496 QC Batch Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Preparation: 3550C Sonication Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU13SB01-08	1409479-01	10/01/14 07:29	
GA-TU13SB01-08	1409479-01RE1	10/01/14 07:29	Added 10/8/2014 by JLB
GA-TU13SB01-32	1409479-02	10/01/14 07:29	
GA-TU13SB01-32	1409479-02RE1	10/01/14 07:29	Added 10/8/2014 by JLB
GA-TU13SB02-14	1409479-03	10/01/14 07:29	
GA-TU13SB02-14	1409479-03RE1	10/01/14 07:29	Added 10/8/2014 by JLB
GA-TU13SB02-33	1409479-04	10/01/14 07:29	
GA-TU13SB02-33	1409479-04RE1	10/08/14 07:29	From 1410496 by JTS on Oct-08-14
GA-TU13SB04-07	1409479-05	10/01/14 07:29	
GA-TU13SB04-07	1409479-05RE1	10/01/14 07:29	Added 10/8/2014 by JLB
GA-TU13SB04-07	1409479-05RE2	10/08/14 07:29	From 1410496 by JTS on Oct-08-14
GA-TU13SB04-07	1409479-05RE3	10/08/14 07:29	Added 10/15/2014 by JLB
GA-TU13SB04-33	1409479-06	10/01/14 07:29	
GA-TU13SB04-33	1409479-06RE1	10/08/14 07:29	From 1410496 by JTS on Oct-08-14
GA-TU13SB03-12	1409479-08	10/01/14 07:29	
GA-TU13SB06-14	1409479-12	10/01/14 07:29	
GA-TU13SB06-33	1409479-13	10/01/14 07:29	
GA-TU13SB07-08	1409479-14	10/01/14 07:29	
GA-TU13SB07-33	1409479-15	10/01/14 07:29	
GA-TU13SB03-33	1409479-16	10/01/14 07:29	
GA-TU13SB05-12	1409479-17	10/01/14 07:29	
GA-TU13SB05-12	1409479-17RE1	10/01/14 07:29	Added 10/15/2014 by JLB
GA-TU13SB05-33	1409479-18	10/01/14 07:29	
GA-TU13SB05-33	1409479-18RE1	10/08/14 07:29	From 1410496 by JTS on Oct-08-14
Blank	1410496-BLK1	10/01/14 07:29	
Blank	1410496-BLK2	10/08/14 07:29	
LCS	1410496-BS1	10/01/14 07:29	
LCS	1410496-BS2	10/08/14 07:29	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410563-BLK1
File ID: 1410563-blk1.D
Prepared: 10/02/14 07:41
Analyzed: 10/08/14 16:02
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410563
Sequence: 4J09062
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	86	ug/kg wet	69	170	330	J
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3′-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410563-BLK1 File ID: 1410563-blk1.D

Prepared: 10/02/14 07:41 Analyzed: 10/08/14 16:02

Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410563 Sequence: 4J09062 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	17	ug/kg wet	3.9	17	17	U
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	18	ug/kg wet	12	17	33	J
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	5.6	ug/kg wet	3.9	17	170	J
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	697	502	72	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410563-BLK1
File ID: 1410563-blk1.D
Prepared: 10/02/14 07:41
Analyzed: 10/08/14 16:02
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410563
Sequence: 4J09062
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	697	514	74	30 - 115	
Nitrobenzene-d5	348	274	79	33 - 131	
2-Fluorobiphenyl	348	290	83	46 - 122	
2,4,6-Tribromophenol	697	521	75	12 - 124	
o-Terphenyl	348	328	94	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	459651	7.509	403279	7.614	
Naphthalene-d8	1671265	10.225	1529030	10.359	
Acenaphthene-d10	936857	14.328	866604	14.474	
Phenanthrene-d10	1290633	17.779	1400442	17.901	
Chrysene-d12	1007711	21.445	1153654	21.538	
Perylene-d12	847363	23.089	991596	23.211	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410563-BLK2 File ID: 1410563-blk2.D

Prepared: 10/15/14 11:41 Analyzed: 10/17/14 09:09

Preparation: 3550C Sonication Extract Initial/Final: 29.9 grams / 1 mL

QC Batch: 1410563 Sequence: 4J17060 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	2.7	ug/kg wet	2.3	8.3	17	J
205-99-2	Benzo(b)fluoranthene	3.3	ug/kg wet	1.9	8.3	17	J
207-08-9	Benzo(k)fluoranthene	3.7	ug/kg wet	2.0	8.3	17	J
191-24-2	Benzo(g,h,i)perylene	2.0	ug/kg wet	1.9	8.3	33	J
65-85-0	Benzoic Acid	170	ug/kg wet	69	170	330	U
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3′-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410563-BLK2
File ID: 1410563-blk2.D
Prepared: 10/15/14 11:41
Analyzed: 10/17/14 09:09
Preparation: 3550C Sonication Extract
Initial/Final: 29.9 grams / 1 mL
QC Batch: 1410563
Sequence: 4J17060
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	19	ug/kg wet	3.9	17	17	
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	17	ug/kg wet	12	17	33	U
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	3.3	ug/kg wet	2.7	8.3	33	J
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	17	ug/kg wet	3.9	17	170	U
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	669	529	79	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410563-BLK2
File ID: 1410563-blk2.D
Prepared: 10/15/14 11:41
Analyzed: 10/17/14 09:09
Preparation: 3550C Sonication Extract
Initial/Final: 29.9 grams / 1 mL
QC Batch: 1410563
Sequence: 4J17060
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	669	582	87	30 - 115	
Nitrobenzene-d5	334	312	93	33 - 131	
2-Fluorobiphenyl	334	324	97	46 - 122	
2,4,6-Tribromophenol	669	438	65	12 - 124	
o-Terphenyl	334	368	110	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	420882	7.59	403279	7.614	
Naphthalene-d8	1591712	10.295	1529030	10.359	
Acenaphthene-d10	906452	14.398	866604	14.474	
Phenanthrene-d10	1365680	17.831	1400442	17.901	
Chrysene-d12	1378419	21.474	1153654	21.538	
Perylene-d12	1066171	23.129	991596	23.211	

QC BATCH SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410563 QC Batch Matrix: Soil

Preparation: 3550C Sonication Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU16SB30-08	1409499-02	10/02/14 07:41	
GA-TU16SB30-08	1409499-02RE1	10/02/14 07:41	Added 10/15/2014 by JLB
GA-TU16SB31-08	1409499-03	10/02/14 07:41	Bottled @ 2mL
GA-TU16SB31-08	1409499-03RE1	10/02/14 07:41	Added 10/15/2014 by JLB
GA-TU16SB32-17	1409499-04	10/02/14 07:41	
GA-TU16SB32-17	1409499-04RE1	10/02/14 07:41	Added 10/15/2014 by JLB
GA-TU16SB33-10	1409499-05	10/02/14 07:41	
GA-TU16SB33-10	1409499-05RE1	10/02/14 07:41	Added 10/15/2014 by JLB
GA-TU16SB29-15	1409499-08	10/02/14 07:41	
GA-TU16SB29-15DUP	1409499-09	10/02/14 07:41	
GA-TU16SB29-44	1409499-10	10/02/14 07:41	
GA-TU16SB29-44DUP	1409499-11	10/02/14 07:41	
GA-TU16SB29-44DUP	1409499-11RE1	10/02/14 07:41	Added 10/15/2014 by JLB
GA-TU13SB8-15	1410014-01	10/02/14 07:41	
GA-TU13SB8-15	1410014-01RE1	10/02/14 07:41	Added 10/15/2014 by JLB
GA-TU13SB8-34	1410014-02	10/02/14 07:41	
GA-TU13SB9-20	1410014-03	10/02/14 07:41	
GA-TU13SB9-34	1410014-04	10/02/14 07:41	
GA-TU13SB10-15	1410014-05	10/02/14 07:41	
GA-TU13SB10-15	1410014-05RE1	10/02/14 07:41	Added 10/15/2014 by JLB
GA-TU13SB10-34	1410014-06	10/02/14 07:41	
GA-TU13SB10-34	1410014-06RE1	10/02/14 07:41	Added 10/15/2014 by JLB
GA-TU13SB11-20	1410014-07	10/02/14 07:41	
GA-TU13SB11-34	1410014-08	10/02/14 07:41	
GA-TU13SB11-34	1410014-08RE1	10/02/14 07:41	Added 10/15/2014 by JLB
GA-TU13SB11-34	1410014-08RE2	10/15/14 11:41	Added 10/15/2014 by JTS
GA-TU13SB11-34	1410014-08RE3	10/15/14 11:41	Added 10/17/2014 by JLB
Blank	1410563-BLK1	10/02/14 07:41	
Blank	1410563-BLK2	10/15/14 11:41	
LCS	1410563-BS1	10/02/14 07:41	
LCS	1410563-BS2	10/15/14 11:41	
GA-TU16SB29-15	1410563-MS1	10/02/14 07:41	
GA-TU16SB29-15	1410563-MSD1	10/02/14 07:41	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410565-BLK1
File ID: 1410565-blk1.D
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 09:20
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 1000 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09008
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	0.10	ug/L	0.033	0.10	0.50	U
208-96-8	Acenaphthylene	0.050	ug/L	0.017	0.050	0.50	U
120-12-7	Anthracene	0.20	ug/L	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	0.10	ug/L	0.045	0.10	0.50	U
50-32-8	Benzo(a)pyrene	0.10	ug/L	0.040	0.10	0.50	U
205-99-2	Benzo(b)fluoranthene	0.20	ug/L	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	0.20	ug/L	0.060	0.20	0.50	U
191-24-2	Benzo(g,h,i)perylene	0.20	ug/L	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	2.0	ug/L	0.48	2.0	5.0	U
100-51-6	Benzyl Alcohol	0.10	ug/L	0.049	0.10	0.50	U
101-55-3	4-Bromophenyl Phenyl Ether	0.10	ug/L	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	0.20	ug/L	0.056	0.20	1.0	U
86-74-8	Carbazole	0.20	ug/L	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	0.25	ug/L	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	0.25	ug/L	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	0.050	ug/L	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	0.050	ug/L	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	0.10	ug/L	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	0.050	ug/L	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	0.10	ug/L	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	0.10	ug/L	0.048	0.10	0.50	U
218-01-9	Chrysene	0.10	ug/L	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	0.25	ug/L	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	0.10	ug/L	0.041	0.10	0.50	U
84-74-2	Di-n-butyl Phthalate	0.22	ug/L	0.14	1.0	1.0	J
106-46-7	1,4-Dichlorobenzene	0.050	ug/L	0.020	0.050	0.50	U
95-50-1	1,2-Dichlorobenzene	0.10	ug/L	0.040	0.10	0.50	U
541-73-1	1,3-Dichlorobenzene	0.10	ug/L	0.041	0.10	0.50	U
91-94-1	3,3´-Dichlorobenzidine	0.50	ug/L	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	0.20	ug/L	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	0.25	ug/L	0.065	0.25	0.50	U
105-67-9	2,4-Dimethylphenol	0.50	ug/L	0.17	0.50	1.0	U
131-11-3	Dimethyl Phthalate	0.10	ug/L	0.046	0.10	0.50	U
534-52-1	4,6-Dinitro-2-methylphenol	4.0	ug/L	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	5.0	ug/L	1.2	5.0	5.0	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410565-BLK1 File ID: 1410565-blk1.D

Prepared: 10/02/14 07:47 Analyzed: 10/08/14 09:20

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1410565 Sequence: 4J09008 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	0.20	ug/L	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	0.10	ug/L	0.048	0.10	0.50	U
117-84-0	Di-n-octyl Phthalate	0.20	ug/L	0.077	0.20	0.50	U
122-66-7	1,2-Diphenylhydrazine	0.10	ug/L	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	0.15	ug/L	0.11	0.50	0.50	J
206-44-0	Fluoranthene	0.20	ug/L	0.063	0.20	0.50	U
86-73-7	Fluorene	0.10	ug/L	0.041	0.10	0.50	U
118-74-1	Hexachlorobenzene	0.20	ug/L	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	0.10	ug/L	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	0.10	ug/L	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.25	ug/L	0.080	0.25	0.50	U
78-59-1	Isophorone	0.10	ug/L	0.045	0.10	0.50	U
91-57-6	2-Methylnaphthalene	0.050	ug/L	0.015	0.050	0.50	U
108-39-4	3+4-Methylphenol	0.20	ug/L	0.057	0.20	5.0	U
95-48-7	2-Methylphenol	0.20	ug/L	0.048	0.20	0.50	U
91-20-3	Naphthalene	0.10	ug/L	0.031	0.10	0.50	U
100-01-6	4-Nitroaniline	1.0	ug/L	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	0.50	ug/L	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	0.50	ug/L	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	0.20	ug/L	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	0.20	ug/L	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	5.0	ug/L	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	0.10	ug/L	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	0.20	ug/L	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	0.20	ug/L	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	0.50	ug/L	0.13	0.50	0.50	U
85-01-8	Phenanthrene	0.10	ug/L	0.043	0.10	0.50	U
108-95-2	Phenol	0.10	ug/L	0.034	0.10	0.50	U
129-00-0	Pyrene	0.20	ug/L	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.10	ug/L	0.027	0.10	0.50	U
95-95-4	2,4,5-Trichlorophenol	0.25	ug/L	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	0.25	ug/L	0.085	0.25	0.50	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
2-Fluorophenol	20.0	11.5	57	19 - 119	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410565-BLK1
File ID: 1410565-blk1.D
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 09:20
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 1000 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09008
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Phenol-d6	20.0	7.72	39	18 - 45	
Nitrobenzene-d5	10.0	8.69	87	44 - 120	
2-Fluorobiphenyl	10.0	8.94	89	44 - 119	
2,4,6-Tribromophenol	20.0	17.9	90	43 - 140	
o-Terphenyl	10.0	9.80	98	42 - 125	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	477981	7.52	403279	7.614	
Naphthalene-d8	1830973	10.26	1529030	10.359	
Acenaphthene-d10	1020448	14.369	866604	14.474	
Phenanthrene-d10	1471909	17.808	1400442	17.901	
Chrysene-d12	1107680	21.468	1153654	21.538	
Perylene-d12	978821	23.118	991596	23.211	

QC BATCH SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410565 QC Batch Matrix: Water

Preparation: 3510C Liquid-Liquid Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU16GW29-01	1409499-06	10/02/14 07:47	
GA-TU16GW29-01	1409499-06RE1	10/02/14 07:47	Added 10/9/2014 by JLB
FQC-EB092614JC-001	1409499-07	10/02/14 07:47	
GA-TU13GW08-01	1410014-09	10/02/14 07:47	
GA-TU13GW09-01	1410014-10	10/02/14 07:47	
GA-TU13GW12-01	1410025-08	10/02/14 07:47	
GA-TU13GW13-01	1410025-09	10/02/14 07:47	
Blank	1410565-BLK1	10/02/14 07:47	
LCS	1410565-BS1	10/02/14 07:47	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410842-BLK1 File ID: 1410842-blk1.D

Prepared: 10/07/14 12:17 Analyzed: 10/21/14 14:26

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1410842 Sequence: 4J22008 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	0.10	ug/L	0.033	0.10	0.50	U
208-96-8	Acenaphthylene	0.050	ug/L	0.017	0.050	0.50	U
120-12-7	Anthracene	0.20	ug/L	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	0.050	ug/L	0.045	0.10	0.50	J
50-32-8	Benzo(a)pyrene	0.050	ug/L	0.040	0.10	0.50	J
205-99-2	Benzo(b)fluoranthene	0.20	ug/L	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	0.060	ug/L	0.060	0.20	0.50	J
191-24-2	Benzo(g,h,i)perylene	0.20	ug/L	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	2.5	ug/L	0.48	2.0	5.0	J
100-51-6	Benzyl Alcohol	0.10	ug/L	0.049	0.10	0.50	U
101-55-3	4-Bromophenyl Phenyl Ether	0.10	ug/L	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	0.20	ug/L	0.056	0.20	1.0	U
86-74-8	Carbazole	0.20	ug/L	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	0.25	ug/L	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	0.25	ug/L	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	0.050	ug/L	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	0.050	ug/L	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	0.10	ug/L	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	0.050	ug/L	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	0.10	ug/L	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	0.10	ug/L	0.048	0.10	0.50	U
218-01-9	Chrysene	0.10	ug/L	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	0.25	ug/L	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	0.10	ug/L	0.041	0.10	0.50	U
84-74-2	Di-n-butyl Phthalate	1.0	ug/L	0.14	1.0	1.0	U
106-46-7	1,4-Dichlorobenzene	0.050	ug/L	0.020	0.050	0.50	U
95-50-1	1,2-Dichlorobenzene	0.10	ug/L	0.040	0.10	0.50	U
541-73-1	1,3-Dichlorobenzene	0.10	ug/L	0.041	0.10	0.50	U
91-94-1	3,3′-Dichlorobenzidine	0.50	ug/L	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	0.20	ug/L	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	0.25	ug/L	0.065	0.25	0.50	U
105-67-9	2,4-Dimethylphenol	0.50	ug/L	0.17	0.50	1.0	U
131-11-3	Dimethyl Phthalate	0.10	ug/L	0.046	0.10	0.50	U
534-52-1	4,6-Dinitro-2-methylphenol	4.0	ug/L	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	5.0	ug/L	1.2	5.0	5.0	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410842-BLK1 File ID: 1410842-blk1.D

Prepared: 10/07/14 12:17 Analyzed: 10/21/14 14:26

Preparation: 3510C Liquid-Liquid Extı Initial/Final: 1000 mL / 1 mL

QC Batch: 1410842 Sequence: 4J22008 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	0.20	ug/L	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	0.10	ug/L	0.048	0.10	0.50	U
117-84-0	Di-n-octyl Phthalate	0.38	ug/L	0.077	0.20	0.50	J
122-66-7	1,2-Diphenylhydrazine	0.10	ug/L	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	0.15	ug/L	0.11	0.50	0.50	J
206-44-0	Fluoranthene	0.20	ug/L	0.063	0.20	0.50	U
86-73-7	Fluorene	0.10	ug/L	0.041	0.10	0.50	U
118-74-1	Hexachlorobenzene	0.20	ug/L	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	0.10	ug/L	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	0.10	ug/L	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.25	ug/L	0.080	0.25	0.50	U
78-59-1	Isophorone	0.10	ug/L	0.045	0.10	0.50	U
91-57-6	2-Methylnaphthalene	0.050	ug/L	0.015	0.050	0.50	U
108-39-4	3+4-Methylphenol	0.20	ug/L	0.057	0.20	5.0	U
95-48-7	2-Methylphenol	0.20	ug/L	0.048	0.20	0.50	U
91-20-3	Naphthalene	0.10	ug/L	0.031	0.10	0.50	U
100-01-6	4-Nitroaniline	1.0	ug/L	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	0.50	ug/L	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	0.50	ug/L	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	0.20	ug/L	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	0.20	ug/L	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	5.0	ug/L	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	0.10	ug/L	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	0.20	ug/L	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	0.20	ug/L	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	0.50	ug/L	0.13	0.50	0.50	U
85-01-8	Phenanthrene	0.10	ug/L	0.043	0.10	0.50	U
108-95-2	Phenol	0.060	ug/L	0.034	0.10	0.50	J
129-00-0	Pyrene	0.20	ug/L	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.10	ug/L	0.027	0.10	0.50	U
95-95-4	2,4,5-Trichlorophenol	0.25	ug/L	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	0.25	ug/L	0.085	0.25	0.50	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
2-Fluorophenol	20.0	12.3	61	19 - 119	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410842-BLK1
File ID: 1410842-blk1.D
Prepared: 10/07/14 12:17
Analyzed: 10/21/14 14:26
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 1000 mL / 1 mL
QC Batch: 1410842
Sequence: 4J22008
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Phenol-d6	20.0	8.17	41	18 - 45	
Nitrobenzene-d5	10.0	10.0	100	44 - 120	
2-Fluorobiphenyl	10.0	9.65	96	44 - 119	
2,4,6-Tribromophenol	20.0	17.2	86	43 - 140	
o-Terphenyl	10.0	10.7	107	42 - 125	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	327767	7.611	403279	7.614	
Naphthalene-d8	1258968	10.35	1529030	10.359	
Acenaphthene-d10	668869	14.46	866604	14.474	
Phenanthrene-d10	942848	17.881	1400442	17.901	
Chrysene-d12	644316	21.501	1153654	21.538	
Perylene-d12	515233	23.173	991596	23.211	

QC BATCH SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410842 QC Batch Matrix: Water

Preparation: 3510C Liquid-Liquid Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU17GW34-01	1410085-03	10/07/14 12:17	
Blank	1410842-BLK1	10/07/14 12:17	Same as batch 1410786
LCS	1410842-BS1	10/07/14 12:17	Same as batch 1410786

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410920-BLK1
File ID: 1410920-blk1.D
Prepared: 10/09/14 07:32
Analyzed: 10/20/14 18:45
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	88	ug/kg wet	69	170	330	J
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3′-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410920-BLK1
File ID: 1410920-blk1.D
Prepared: 10/09/14 07:32
Analyzed: 10/20/14 18:45
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	14	ug/kg wet	3.9	17	17	J
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	17	ug/kg wet	12	17	33	U
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	17	ug/kg wet	3.9	17	170	U
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	697	556	80	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410920-BLK1
File ID: 1410920-blk1.D
Prepared: 10/09/14 07:32
Analyzed: 10/20/14 18:45
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	697	627	90	30 - 115	
Nitrobenzene-d5	348	334	96	33 - 131	
2-Fluorobiphenyl	348	340	98	46 - 122	
2,4,6-Tribromophenol	697	400	57	12 - 124	
o-Terphenyl	348	368	106	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	317598	7.663	403279	7.614	
Naphthalene-d8	1214111	10.385	1529030	10.359	
Acenaphthene-d10	662543	14.495	866604	14.474	
Phenanthrene-d10	998646	17.91	1400442	17.901	
Chrysene-d12	835462	21.518	1153654	21.538	
Perylene-d12	677921	23.197	991596	23.211	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410920-BLK2
File ID: 1411640-blk1.D
Prepared: 10/22/14 08:32
Analyzed: 10/22/14 10:58
Preparation: 3550C Sonication Extract
Initial/Final: 29.1 grams / 1 mL
QC Batch: 1410920
Sequence: 4J22044
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	88	ug/kg wet	69	170	330	J
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3′-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410920-BLK2 File ID: 1411640-blk1.D

Prepared: 10/22/14 08:32 Analyzed: 10/22/14 10:58

Preparation: 3550C Sonication Extract Initial/Final: 29.1 grams / 1 mL

QC Batch: 1410920 Sequence: 4J22044 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	12	ug/kg wet	3.9	17	17	J
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	17	ug/kg wet	12	17	33	U
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	17	ug/kg wet	3.9	17	170	U
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	687	607	88	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410920-BLK2
File ID: 1411640-blk1.D
Prepared: 10/22/14 08:32
Analyzed: 10/22/14 10:58
Preparation: 3550C Sonication Extract
Initial/Final: 29.1 grams / 1 mL
QC Batch: 1410920
Sequence: 4J22044
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	687	652	95	30 - 115	
Nitrobenzene-d5	344	323	94	33 - 131	
2-Fluorobiphenyl	344	340	99	46 - 122	
2,4,6-Tribromophenol	687	583	85	12 - 124	
o-Terphenyl	344	357	104	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	328336	7.599	403279	7.614	
Naphthalene-d8	1262870	10.316	1529030	10.359	
Acenaphthene-d10	709552	14.419	866604	14.474	
Phenanthrene-d10	1165442	17.852	1400442	17.901	
Chrysene-d12	1041856	21.477	1153654	21.538	
Perylene-d12	875777	23.139	991596	23.211	

QC BATCH SUMMARY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410920 QC Batch Matrix: Soil

Preparation: 3550C Sonication Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU13SB12-15	1410025-01	10/09/14 07:32	
GA-TU13SB12-34	1410025-02	10/09/14 07:32	
GA-TU13SB12-34	1410025-02RE1	10/09/14 07:32	Added 10/21/2014 by JLB
GA-TU13SB13-20	1410025-03	10/09/14 07:32	
GA-TU13SB13-34	1410025-04	10/09/14 07:32	
GA-TU13SB14-15	1410025-05	10/09/14 07:32	
GA-TU13SB14-15	1410025-05RE1	10/09/14 07:32	Added 10/21/2014 by JLB
GA-TU13SB14-34	1410025-06	10/09/14 07:32	
GA-TU13SB14-34	1410025-06RE1	10/09/14 07:32	Added 10/21/2014 by JLB
GA-TU13SB14-34	1410025-06RE2	10/22/14 08:32	Added 10/22/2014 by JTS
GA-TU13SB14-34	1410025-06RE3	10/22/14 08:32	Added 10/22/2014 by JLB
GA-TU13SB14-34DUP	1410025-07	10/09/14 07:32	
GA-TU17SB34-15	1410085-01	10/09/14 07:32	
GA-TU17SB34-15	1410085-01RE1	10/09/14 07:32	Added 10/22/2014 by JLB
GA-TU17SB34-37	1410085-02	10/09/14 07:32	
GA-TU17SB34-37	1410085-02RE1	10/09/14 07:32	Added 10/21/2014 by JLB
GA-TU17SB35-15	1410085-04	10/09/14 07:32	
GA-TU17SB35-15	1410085-04RE1	10/09/14 07:32	Added 10/21/2014 by JLB
GA-TU17SB36-20	1410085-05	10/09/14 07:32	
GA-TU17SB36-20	1410085-05RE1	10/09/14 07:32	Added 10/21/2014 by JLB
GA-TU17SB38-15	1410085-06	10/09/14 07:32	
GA-TU17SB38-15	1410085-06RE1	10/09/14 07:32	Added 10/21/2014 by JLB
GA-TU017SB34-37DUP	1410085-08	10/09/14 07:32	
GA-TU017SB38-15DUP	1410085-09	10/09/14 07:32	
Blank	1410920-BLK1	10/09/14 07:32	
Blank	1410920-BLK2	10/22/14 08:32	same as batch 1411640
LCS	1410920-BS1	10/09/14 07:32	
LCS	1410920-BS2	10/22/14 08:32	same as batch 1411640

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J06018-TUN1

Injection Date: 10/04/14

Sequence: 4J06018

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1004f.D

Injection Time: 12:24

Calibration: 4J06006

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	42.9	PASS
68	Less than 2% of 69	1.48	PASS
69	Less than 200% of 198	41.6	PASS
70	Less than 2% of 69	0.494	PASS
127	40 - 60% of 198	49.2	PASS
197	Less than 1% of 198	0.626	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.71	PASS
275	10 - 30% of 198	22.9	PASS
365	1.0001 - 200% of 198	2.35	PASS
441	0.0001 - 99.9999% of 442	14.2	PASS
442	40.0001 - 200% of 198	85.9	PASS
443	17 - 23% of 442	19.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J06022-TUN1

Injection Date: 10/05/14

Sequence: 4J06022

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1005a.D

Injection Time: 11:38

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	45.6	PASS
68	Less than 2% of 69	1.47	PASS
69	Less than 200% of 198	43.6	PASS
70	Less than 2% of 69	0.453	PASS
127	40 - 60% of 198	51.1	PASS
197	Less than 1% of 198	0.588	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.69	PASS
275	10 - 30% of 198	22.2	PASS
365	1.0001 - 200% of 198	2.25	PASS
441	0.0001 - 99.9999% of 442	15.1	PASS
442	40.0001 - 200% of 198	75.9	PASS
443	17 - 23% of 442	20.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J06027-TUN1

Injection Date: 10/05/14

Sequence: 4J06027

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1005a.D

Injection Time: 11:38

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	45.6	PASS
68	Less than 2% of 69	1.47	PASS
69	Less than 200% of 198	43.6	PASS
70	Less than 2% of 69	0.453	PASS
127	40 - 60% of 198	51.1	PASS
197	Less than 1% of 198	0.588	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.69	PASS
275	10 - 30% of 198	22.2	PASS
365	1.0001 - 200% of 198	2.25	PASS
441	0.0001 - 99.9999% of 442	15.1	PASS
442	40.0001 - 200% of 198	75.9	PASS
443	17 - 23% of 442	20.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J08017-TUN1

Injection Date: 10/07/14

Sequence: 4J08017

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1007f.D

Injection Time: 09:22

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	39.4	PASS
68	Less than 2% of 69	1.56	PASS
69	Less than 200% of 198	40.3	PASS
70	Less than 2% of 69	0.521	PASS
127	40 - 60% of 198	49.3	PASS
197	Less than 1% of 198	0.194	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.83	PASS
275	10 - 30% of 198	24	PASS
365	1.0001 - 200% of 198	2.54	PASS
441	0.0001 - 99.9999% of 442	14.8	PASS
442	40.0001 - 200% of 198	91.3	PASS
443	17 - 23% of 442	19.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J08019-TUN1

Injection Date: 10/07/14

Sequence: 4J08019

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1007i.D

Injection Time: 15:15

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	39.6	PASS
68	Less than 2% of 69	1.5	PASS
69	Less than 200% of 198	38.6	PASS
70	Less than 2% of 69	0.49	PASS
127	40 - 60% of 198	47.2	PASS
197	Less than 1% of 198	0.663	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.67	PASS
275	10 - 30% of 198	23.4	PASS
365	1.0001 - 200% of 198	2.51	PASS
441	0.0001 - 99.9999% of 442	14.7	PASS
442	40.0001 - 200% of 198	90.1	PASS
443	17 - 23% of 442	19.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J08051-TUN1

Injection Date: 10/08/14

Sequence: 4J08051

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1008b.D

Injection Time: 08:01

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	37.3	PASS
68	Less than 2% of 69	1.51	PASS
69	Less than 200% of 198	37.6	PASS
70	Less than 2% of 69	0.434	PASS
127	40 - 60% of 198	45.7	PASS
197	Less than 1% of 198	0.304	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.57	PASS
275	10 - 30% of 198	23.8	PASS
365	1.0001 - 200% of 198	2.59	PASS
441	0.0001 - 99.9999% of 442	14.6	PASS
442	40.0001 - 200% of 198	94.5	PASS
443	17 - 23% of 442	19.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J09008-TUN1

Injection Date: 10/08/14

Sequence: 4J09008

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1008b.D

Injection Time: 08:01

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	37.3	PASS
68	Less than 2% of 69	1.51	PASS
69	Less than 200% of 198	37.6	PASS
70	Less than 2% of 69	0.434	PASS
127	40 - 60% of 198	45.7	PASS
197	Less than 1% of 198	0.304	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.57	PASS
275	10 - 30% of 198	23.8	PASS
365	1.0001 - 200% of 198	2.59	PASS
441	0.0001 - 99.9999% of 442	14.6	PASS
442	40.0001 - 200% of 198	94.5	PASS
443	17 - 23% of 442	19.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J09062-TUN1

Injection Date: 10/08/14

Sequence: 4J09062

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1008e.D

Injection Time: 14:42

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	38.6	PASS
68	Less than 2% of 69	1.49	PASS
69	Less than 200% of 198	37.9	PASS
70	Less than 2% of 69	0.409	PASS
127	40 - 60% of 198	46.4	PASS
197	Less than 1% of 198	0.346	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.62	PASS
275	10 - 30% of 198	22.8	PASS
365	1.0001 - 200% of 198	2.59	PASS
441	0.0001 - 99.9999% of 442	14.5	PASS
442	40.0001 - 200% of 198	90.2	PASS
443	17 - 23% of 442	19.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J09063-TUN1

Injection Date: 10/08/14

Sequence: 4J09063

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1008e.D

Injection Time: 14:42

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	38.6	PASS
68	Less than 2% of 69	1.49	PASS
69	Less than 200% of 198	37.9	PASS
70	Less than 2% of 69	0.409	PASS
127	40 - 60% of 198	46.4	PASS
197	Less than 1% of 198	0.346	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.62	PASS
275	10 - 30% of 198	22.8	PASS
365	1.0001 - 200% of 198	2.59	PASS
441	0.0001 - 99.9999% of 442	14.5	PASS
442	40.0001 - 200% of 198	90.2	PASS
443	17 - 23% of 442	19.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J10038-TUN1

Injection Date: 10/10/14

Sequence: 4J10038

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1010b.D

Injection Time: 08:29

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	38.5	PASS
68	Less than 2% of 69	1.49	PASS
69	Less than 200% of 198	38.1	PASS
70	Less than 2% of 69	0.496	PASS
127	40 - 60% of 198	47.2	PASS
197	Less than 1% of 198	0.501	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.66	PASS
275	10 - 30% of 198	24.2	PASS
365	1.0001 - 200% of 198	2.6	PASS
441	0.0001 - 99.9999% of 442	14.8	PASS
442	40.0001 - 200% of 198	94.4	PASS
443	17 - 23% of 442	19.7	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J15024-TUN1
Lab File ID: dft1010e.D
Injection Date: 10/10/14
Injection Time: 15:01
Sequence: 4J15024
Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	40.9	PASS
68	Less than 2% of 69	1.53	PASS
69	Less than 200% of 198	39.7	PASS
70	Less than 2% of 69	0.453	PASS
127	40 - 60% of 198	48.8	PASS
197	Less than 1% of 198	0.37	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.69	PASS
275	10 - 30% of 198	23.3	PASS
365	1.0001 - 200% of 198	2.57	PASS
441	0.0001 - 99.9999% of 442	14.6	PASS
442	40.0001 - 200% of 198	85.8	PASS
443	17 - 23% of 442	19.7	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J15031-TUN1

Injection Date: 10/14/14

Sequence: 4J15031

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1014b.D

Injection Time: 07:43

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	40.7	PASS
68	Less than 2% of 69	1.52	PASS
69	Less than 200% of 198	40.5	PASS
70	Less than 2% of 69	0.489	PASS
127	40 - 60% of 198	49.5	PASS
197	Less than 1% of 198	0.391	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.75	PASS
275	10 - 30% of 198	22	PASS
365	1.0001 - 200% of 198	2.47	PASS
441	0.0001 - 99.9999% of 442	14.4	PASS
442	40.0001 - 200% of 198	87	PASS
443	17 - 23% of 442	19.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J15034-TUN1

Injection Date: 10/14/14

Sequence: 4J15034

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1014b.D

Injection Time: 13:18

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	38.7	PASS
68	Less than 2% of 69	1.41	PASS
69	Less than 200% of 198	38.7	PASS
70	Less than 2% of 69	0.446	PASS
127	40 - 60% of 198	48	PASS
197	Less than 1% of 198	0.516	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.68	PASS
275	10 - 30% of 198	23.1	PASS
365	1.0001 - 200% of 198	2.49	PASS
441	0.0001 - 99.9999% of 442	14.7	PASS
442	40.0001 - 200% of 198	94.5	PASS
443	17 - 23% of 442	19.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J17060-TUN1
Lab File ID: dft1017b.D
Injection Date: 10/17/14
Injection Time: 07:50
Sequence: 4J17060
Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	37.7	PASS
68	Less than 2% of 69	1.54	PASS
69	Less than 200% of 198	37.1	PASS
70	Less than 2% of 69	0.493	PASS
127	40 - 60% of 198	47.1	PASS
197	Less than 1% of 198	0.519	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.68	PASS
275	10 - 30% of 198	22.8	PASS
365	1.0001 - 200% of 198	2.51	PASS
441	0.0001 - 99.9999% of 442	14.8	PASS
442	40.0001 - 200% of 198	91.7	PASS
443	17 - 23% of 442	19.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J21016-TUN1

Injection Date: 10/20/14

Sequence: 4J21016

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1020g.D

Injection Time: 17:23

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	43	PASS
68	Less than 2% of 69	1.5	PASS
69	Less than 200% of 198	42.4	PASS
70	Less than 2% of 69	0.528	PASS
127	40 - 60% of 198	51.1	PASS
197	Less than 1% of 198	0.583	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.78	PASS
275	10 - 30% of 198	22.4	PASS
365	1.0001 - 200% of 198	2.36	PASS
441	0.0001 - 99.9999% of 442	14.6	PASS
442	40.0001 - 200% of 198	79.1	PASS
443	17 - 23% of 442	19.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J21047-TUN1

Injection Date: 10/21/14

Sequence: 4J21047

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1021c.D

Injection Time: 12:33

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	39.4	PASS
68	Less than 2% of 69	1.51	PASS
69	Less than 200% of 198	39.5	PASS
70	Less than 2% of 69	0.485	PASS
127	40 - 60% of 198	49.4	PASS
197	Less than 1% of 198	0.604	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.7	PASS
275	10 - 30% of 198	22.8	PASS
365	1.0001 - 200% of 198	2.44	PASS
441	0.0001 - 99.9999% of 442	15.2	PASS
442	40.0001 - 200% of 198	80.5	PASS
443	17 - 23% of 442	19.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

Lab Sample ID: 4J22008-TUN1

Lab File ID: dft1021c.D

Injection Date: 10/21/14

Injection Time: 12:33

Sequence: 4J22008

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	39.4	PASS
68	Less than 2% of 69	1.51	PASS
69	Less than 200% of 198	39.5	PASS
70	Less than 2% of 69	0.485	PASS
127	40 - 60% of 198	49.4	PASS
197	Less than 1% of 198	0.604	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.7	PASS
275	10 - 30% of 198	22.8	PASS
365	1.0001 - 200% of 198	2.44	PASS
441	0.0001 - 99.9999% of 442	15.2	PASS
442	40.0001 - 200% of 198	80.5	PASS
443	17 - 23% of 442	19.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Lab Sample ID: 4J22044-TUN1

Injection Date: 10/22/14

Sequence: 4J22044

SDG: 50094-12

Project: Gabreski ANGB, NY

Lab File ID: dft1022a.D

Injection Time: 08:05

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	40.4	PASS
68	Less than 2% of 69	1.56	PASS
69	Less than 200% of 198	40.9	PASS
70	Less than 2% of 69	0.415	PASS
127	40 - 60% of 198	50.5	PASS
197	Less than 1% of 198	0.652	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.64	PASS
275	10 - 30% of 198	22.4	PASS
365	1.0001 - 200% of 198	2.35	PASS
441	0.0001 - 99.9999% of 442	14.9	PASS
442	40.0001 - 200% of 198	75.7	PASS
443	17 - 23% of 442	19.5	PASS

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J06022
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J06022-CCV1)			**Lab File ID: 10bna1005.D**			**Analyzed: 10/05/14 11:55**			
1,4-Dichlorobenzene-d4	381921	7.608	403279	7.614	95	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1455957	10.359	1529030	10.359	95	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	807570	14.474	866604	14.474	93	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1251462	17.901	1400442	17.901	89	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1001798	21.538	1153654	21.538	87	50 - 200	0.0000	+/-0.50	
Perylene-d12	848758	23.217	991596	23.211	86	50 - 200	0.0060	+/-0.50	
Calibration Check (4J06022-CCV2)			**Lab File ID: 10ab1005.D**			**Analyzed: 10/05/14 12:27**			
1,4-Dichlorobenzene-d4	392282	7.614	403279	7.614	97	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1593760	10.353	1529030	10.359	104	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	851320	14.468	866604	14.474	98	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1320191	17.901	1400442	17.901	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1084570	21.532	1153654	21.538	94	50 - 200	-0.0060	+/-0.50	
Perylene-d12	626647	23.217	991596	23.211	63	50 - 200	0.0060	+/-0.50	
Blank (1410423-BLK1)			**Lab File ID: 1410423-blk1.D**			**Analyzed: 10/05/14 13:30**			
1,4-Dichlorobenzene-d4	435898	7.66	403279	7.614	108	50 - 200	0.0460	+/-0.50	
Naphthalene-d8	1588906	10.365	1529030	10.359	104	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	953522	14.468	866604	14.474	110	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1569333	17.895	1400442	17.901	112	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1295146	21.532	1153654	21.538	112	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1019434	23.211	991596	23.211	103	50 - 200	0.0000	+/-0.50	
LCS (1410423-BS1)			**Lab File ID: 1410423-bs1.D**			**Analyzed: 10/05/14 14:34**			
1,4-Dichlorobenzene-d4	450435	7.66	403279	7.614	112	50 - 200	0.0460	+/-0.50	
Naphthalene-d8	1538008	10.365	1529030	10.359	101	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	1019840	14.474	866604	14.474	118	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1654681	17.901	1400442	17.901	118	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1333084	21.538	1153654	21.538	116	50 - 200	0.0000	+/-0.50	
Perylene-d12	1291150	23.217	991596	23.211	130	50 - 200	0.0060	+/-0.50	
GA-TU14SB16-35 (1409422-02)			**Lab File ID: 1409422-02.D**			**Analyzed: 10/05/14 18:21**			
1,4-Dichlorobenzene-d4	446071	7.655	403279	7.614	111	50 - 200	0.0410	+/-0.50	
Naphthalene-d8	1715816	10.359	1529030	10.359	112	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1004637	14.468	866604	14.474	116	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1682215	17.896	1400442	17.901	120	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1462495	21.533	1153654	21.538	127	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1199883	23.211	991596	23.211	121	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J06022

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU14SB15-13 (1409422-03)			**Lab File ID: 1409422-03.D**			**Analyzed: 10/05/14 18:53**			
1,4-Dichlorobenzene-d4	442861	7.654	403279	7.614	110	50 - 200	0.0400	+/-0.50	
Naphthalene-d8	1593416	10.359	1529030	10.359	104	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1002632	14.462	866604	14.474	116	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	1683634	17.895	1400442	17.901	120	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1418015	21.532	1153654	21.538	123	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1153768	23.211	991596	23.211	116	50 - 200	0.0000	+/-0.50	
GA-TU14SB17-34 (1409422-05)			**Lab File ID: 1409422-05.D**			**Analyzed: 10/05/14 19:26**			
1,4-Dichlorobenzene-d4	456433	7.655	403279	7.614	113	50 - 200	0.0410	+/-0.50	
Naphthalene-d8	1731188	10.359	1529030	10.359	113	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1051310	14.463	866604	14.474	121	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	1727811	17.896	1400442	17.901	123	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1490836	21.533	1153654	21.538	129	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1198874	23.211	991596	23.211	121	50 - 200	0.0000	+/-0.50	
GA-TU14SB19-35 (1409422-06)			**Lab File ID: 1409422-06.D**			**Analyzed: 10/05/14 19:58**			
1,4-Dichlorobenzene-d4	464306	7.66	403279	7.614	115	50 - 200	0.0460	+/-0.50	
Naphthalene-d8	1656328	10.359	1529030	10.359	108	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1040821	14.462	866604	14.474	120	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	1687419	17.896	1400442	17.901	120	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1521874	21.533	1153654	21.538	132	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1241470	23.211	991596	23.211	125	50 - 200	0.0000	+/-0.50	
GA-TU14SB15-35 (1409422-07)			**Lab File ID: 1409422-07.D**			**Analyzed: 10/05/14 20:30**			
1,4-Dichlorobenzene-d4	454722	7.649	403279	7.614	113	50 - 200	0.0350	+/-0.50	
Naphthalene-d8	1687932	10.347	1529030	10.359	110	50 - 200	-0.0120	+/-0.50	
Acenaphthene-d10	1065195	14.462	866604	14.474	123	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	1775375	17.896	1400442	17.901	127	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1512019	21.533	1153654	21.538	131	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1081176	23.211	991596	23.211	109	50 - 200	0.0000	+/-0.50	
GA-TU14SB15-35DUP (1409422-08)			**Lab File ID: 1409422-08.D**			**Analyzed: 10/05/14 21:02**			
1,4-Dichlorobenzene-d4	444516	7.654	403279	7.614	110	50 - 200	0.0400	+/-0.50	
Naphthalene-d8	1683743	10.359	1529030	10.359	110	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1026358	14.468	866604	14.474	118	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1710316	17.895	1400442	17.901	122	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1498912	21.532	1153654	21.538	130	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1061378	23.211	991596	23.211	107	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J06022

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU14SB18-35 (1409422-10)			**Lab File ID: 1409422-10.D**			**Analyzed: 10/05/14 21:34**			
1,4-Dichlorobenzene-d4	447279	7.66	403279	7.614	111	50 - 200	0.0460	+/-0.50	
Naphthalene-d8	1705811	10.365	1529030	10.359	112	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	1015822	14.468	866604	14.474	117	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1739512	17.895	1400442	17.901	124	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1521916	21.532	1153654	21.538	132	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1101579	23.211	991596	23.211	111	50 - 200	0.0000	+/-0.50	
Matrix Spike (1410423-MS1)			**Lab File ID: 1410423-ms1.D**			**Analyzed: 10/05/14 22:07**			
1,4-Dichlorobenzene-d4	490335	7.649	403279	7.614	122	50 - 200	0.0350	+/-0.50	
Naphthalene-d8	1697196	10.359	1529030	10.359	111	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1122749	14.474	866604	14.474	130	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1815387	17.901	1400442	17.901	130	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1489046	21.538	1153654	21.538	129	50 - 200	0.0000	+/-0.50	
Perylene-d12	1151780	23.217	991596	23.211	116	50 - 200	0.0060	+/-0.50	
Matrix Spike Dup (1410423-MSD1)			**Lab File ID: 1410423-msd1.D**			**Analyzed: 10/05/14 22:40**			
1,4-Dichlorobenzene-d4	435417	7.649	403279	7.614	108	50 - 200	0.0350	+/-0.50	
Naphthalene-d8	1668654	10.365	1529030	10.359	109	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	925567	14.474	866604	14.474	107	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1575158	17.901	1400442	17.901	112	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1214468	21.539	1153654	21.538	105	50 - 200	0.0010	+/-0.50	
Perylene-d12	892042	23.211	991596	23.211	90	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water
Sequence: 4J06027

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J06027-CCV1)			**Lab File ID: 10bna1005.D**			**Analyzed: 10/05/14 11:55**			
1,4-Dichlorobenzene-d4	381921	7.608	403279	7.614	95	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1455957	10.359	1529030	10.359	95	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	807570	14.474	866604	14.474	93	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1251462	17.901	1400442	17.901	89	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1001798	21.538	1153654	21.538	87	50 - 200	0.0000	+/-0.50	
Perylene-d12	848758	23.217	991596	23.211	86	50 - 200	0.0060	+/-0.50	
Calibration Check (4J06027-CCV2)			**Lab File ID: 10ab1005.D**			**Analyzed: 10/05/14 12:27**			
1,4-Dichlorobenzene-d4	392282	7.614	403279	7.614	97	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1593760	10.353	1529030	10.359	104	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	851320	14.468	866604	14.474	98	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1320191	17.901	1400442	17.901	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1084570	21.532	1153654	21.538	94	50 - 200	-0.0060	+/-0.50	
Perylene-d12	626647	23.217	991596	23.211	63	50 - 200	0.0060	+/-0.50	
Blank (1410325-BLK1)			**Lab File ID: 1410325-blk1.D**			**Analyzed: 10/05/14 12:57**			
1,4-Dichlorobenzene-d4	308826	7.608	403279	7.614	77	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1212936	10.353	1529030	10.359	79	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	645132	14.468	866604	14.474	74	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1019637	17.896	1400442	17.901	73	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	804610	21.533	1153654	21.538	70	50 - 200	-0.0050	+/-0.50	
Perylene-d12	592734	23.211	991596	23.211	60	50 - 200	0.0000	+/-0.50	
LCS (1410325-BS1)			**Lab File ID: 1410325-bs1.D**			**Analyzed: 10/05/14 14:02**			
1,4-Dichlorobenzene-d4	352470	7.614	403279	7.614	87	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1368368	10.359	1529030	10.359	89	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	748018	14.474	866604	14.474	86	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1174453	17.901	1400442	17.901	84	50 - 200	0.0000	+/-0.50	
Chrysene-d12	943672	21.538	1153654	21.538	82	50 - 200	0.0000	+/-0.50	
Perylene-d12	865340	23.217	991596	23.211	87	50 - 200	0.0060	+/-0.50	
GA-TU14GW15-01 (1409422-12)			**Lab File ID: 1409422-12.D**			**Analyzed: 10/05/14 15:38**			
1,4-Dichlorobenzene-d4	414173	7.608	403279	7.614	103	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1611752	10.353	1529030	10.359	105	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	899696	14.468	866604	14.474	104	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1426582	17.895	1400442	17.901	102	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1182950	21.532	1153654	21.538	103	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1007224	23.211	991596	23.211	102	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water
Sequence: 4J06027

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU14GW20-01 (1409444-02)			**Lab File ID: 1409444-02.D**			**Analyzed: 10/05/14 16:10**			
1,4-Dichlorobenzene-d4	414843	7.62	403279	7.614	103	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	1572089	10.365	1529030	10.359	103	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	971059	14.474	866604	14.474	112	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1463322	17.907	1400442	17.901	104	50 - 200	0.0060	+/-0.50	
Chrysene-d12	1321004	21.533	1153654	21.538	115	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1050598	23.211	991596	23.211	106	50 - 200	0.0000	+/-0.50	
GA-TU13GW02-01 (1409479-09)			**Lab File ID: 1409479-09.D**			**Analyzed: 10/05/14 16:43**			
1,4-Dichlorobenzene-d4	448655	7.608	403279	7.614	111	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1753882	10.353	1529030	10.359	115	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	998750	14.468	866604	14.474	115	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1628108	17.896	1400442	17.901	116	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1388999	21.533	1153654	21.538	120	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1183527	23.211	991596	23.211	119	50 - 200	0.0000	+/-0.50	
GA-TU13GW05-01 (1409479-10)			**Lab File ID: 1409479-10.D**			**Analyzed: 10/05/14 17:16**			
1,4-Dichlorobenzene-d4	451456	7.614	403279	7.614	112	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1774965	10.353	1529030	10.359	116	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	979350	14.468	866604	14.474	113	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1593044	17.895	1400442	17.901	114	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1367890	21.533	1153654	21.538	119	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1130225	23.211	991596	23.211	114	50 - 200	0.0000	+/-0.50	
GA-TU13GW03-01 (1409479-11)			**Lab File ID: 1409479-11.D**			**Analyzed: 10/05/14 17:48**			
1,4-Dichlorobenzene-d4	451594	7.614	403279	7.614	112	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1725262	10.353	1529030	10.359	113	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	956335	14.468	866604	14.474	110	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1522938	17.901	1400442	17.901	109	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1298170	21.533	1153654	21.538	113	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1036674	23.211	991596	23.211	105	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J08017

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J08017-CCV1)			**Lab File ID: 10bna1007.D**			**Analyzed: 10/07/14 09:38**			
1,4-Dichlorobenzene-d4	430269	7.573	403279	7.614	107	50 - 200	-0.0410	+/-0.50	
Naphthalene-d8	1621258	10.318	1529030	10.359	106	50 - 200	-0.0410	+/-0.50	
Acenaphthene-d10	919914	14.428	866604	14.474	106	50 - 200	-0.0460	+/-0.50	
Phenanthrene-d10	1524130	17.861	1400442	17.901	109	50 - 200	-0.0400	+/-0.50	
Chrysene-d12	1251366	21.503	1153654	21.538	108	50 - 200	-0.0350	+/-0.50	
Perylene-d12	1074753	23.17	991596	23.211	108	50 - 200	-0.0410	+/-0.50	
Calibration Check (4J08017-CCV2)			**Lab File ID: 10ab1007.D**			**Analyzed: 10/07/14 10:11**			
1,4-Dichlorobenzene-d4	453525	7.579	403279	7.614	112	50 - 200	-0.0350	+/-0.50	
Naphthalene-d8	1785460	10.312	1529030	10.359	117	50 - 200	-0.0470	+/-0.50	
Acenaphthene-d10	1000213	14.422	866604	14.474	115	50 - 200	-0.0520	+/-0.50	
Phenanthrene-d10	1665392	17.855	1400442	17.901	119	50 - 200	-0.0460	+/-0.50	
Chrysene-d12	1400140	21.498	1153654	21.538	121	50 - 200	-0.0400	+/-0.50	
Perylene-d12	1101651	23.165	991596	23.211	111	50 - 200	-0.0460	+/-0.50	
Blank (1410423-BLK2)			**Lab File ID: 1410423-blk2.D**			**Analyzed: 10/07/14 10:41**			
1,4-Dichlorobenzene-d4	366861	7.602	403279	7.614	91	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	1403696	10.318	1529030	10.359	92	50 - 200	-0.0410	+/-0.50	
Acenaphthene-d10	801841	14.422	866604	14.474	93	50 - 200	-0.0520	+/-0.50	
Phenanthrene-d10	1281892	17.855	1400442	17.901	92	50 - 200	-0.0460	+/-0.50	
Chrysene-d12	1042023	21.497	1153654	21.538	90	50 - 200	-0.0410	+/-0.50	
Perylene-d12	856210	23.164	991596	23.211	86	50 - 200	-0.0470	+/-0.50	
LCS (1410423-BS2)			**Lab File ID: 1410423-bs2.D**			**Analyzed: 10/07/14 11:13**			
1,4-Dichlorobenzene-d4	376407	7.608	403279	7.614	93	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1432758	10.318	1529030	10.359	94	50 - 200	-0.0410	+/-0.50	
Acenaphthene-d10	835039	14.427	866604	14.474	96	50 - 200	-0.0470	+/-0.50	
Phenanthrene-d10	1422666	17.855	1400442	17.901	102	50 - 200	-0.0460	+/-0.50	
Chrysene-d12	1211184	21.503	1153654	21.538	105	50 - 200	-0.0350	+/-0.50	
Perylene-d12	1119604	23.165	991596	23.211	113	50 - 200	-0.0460	+/-0.50	
GA-TU14SB15-35 (1409422-07RE1)			**Lab File ID: 1409422-07re1.D**			**Analyzed: 10/07/14 11:45**			
1,4-Dichlorobenzene-d4	382406	7.608	403279	7.614	95	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1441148	10.318	1529030	10.359	94	50 - 200	-0.0410	+/-0.50	
Acenaphthene-d10	865669	14.422	866604	14.474	100	50 - 200	-0.0520	+/-0.50	
Phenanthrene-d10	1396117	17.855	1400442	17.901	100	50 - 200	-0.0460	+/-0.50	
Chrysene-d12	1128649	21.498	1153654	21.538	98	50 - 200	-0.0400	+/-0.50	
Perylene-d12	913998	23.159	991596	23.211	92	50 - 200	-0.0520	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J08017
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU14SB23-25 (1409444-03)			**Lab File ID: 1409444-03.D**			**Analyzed: 10/07/14 12:17**			
1,4-Dichlorobenzene-d4	385870	7.625	403279	7.614	96	50 - 200	0.0110	+/-0.50	
Naphthalene-d8	1304738	10.318	1529030	10.359	85	50 - 200	-0.0410	+/-0.50	
Acenaphthene-d10	883766	14.416	866604	14.474	102	50 - 200	-0.0580	+/-0.50	
Phenanthrene-d10	1478632	17.855	1400442	17.901	106	50 - 200	-0.0460	+/-0.50	
Chrysene-d12	1265939	21.498	1153654	21.538	110	50 - 200	-0.0400	+/-0.50	
Perylene-d12	1052901	23.159	991596	23.211	106	50 - 200	-0.0520	+/-0.50	
GA-TU14SB22-26 (1409444-09)			**Lab File ID: 1409444-09.D**			**Analyzed: 10/07/14 12:49**			
1,4-Dichlorobenzene-d4	398459	7.614	403279	7.614	99	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1440245	10.318	1529030	10.359	94	50 - 200	-0.0410	+/-0.50	
Acenaphthene-d10	907355	14.416	866604	14.474	105	50 - 200	-0.0580	+/-0.50	
Phenanthrene-d10	1444445	17.855	1400442	17.901	103	50 - 200	-0.0460	+/-0.50	
Chrysene-d12	1180975	21.498	1153654	21.538	102	50 - 200	-0.0400	+/-0.50	
Perylene-d12	932812	23.159	991596	23.211	94	50 - 200	-0.0520	+/-0.50	
GA-TU14SB20-5 (1409444-11)			**Lab File ID: 1409444-11.D**			**Analyzed: 10/07/14 13:21**			
1,4-Dichlorobenzene-d4	410489	7.614	403279	7.614	102	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1465798	10.318	1529030	10.359	96	50 - 200	-0.0410	+/-0.50	
Acenaphthene-d10	941066	14.416	866604	14.474	109	50 - 200	-0.0580	+/-0.50	
Phenanthrene-d10	1552450	17.855	1400442	17.901	111	50 - 200	-0.0460	+/-0.50	
Chrysene-d12	1243610	21.497	1153654	21.538	108	50 - 200	-0.0410	+/-0.50	
Perylene-d12	910537	23.159	991596	23.211	92	50 - 200	-0.0520	+/-0.50	
GA-TU14SB20-33 (1409444-12)			**Lab File ID: 1409444-12.D**			**Analyzed: 10/07/14 13:54**			
1,4-Dichlorobenzene-d4	414968	7.614	403279	7.614	103	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1573703	10.318	1529030	10.359	103	50 - 200	-0.0410	+/-0.50	
Acenaphthene-d10	953529	14.422	866604	14.474	110	50 - 200	-0.0520	+/-0.50	
Phenanthrene-d10	1558467	17.855	1400442	17.901	111	50 - 200	-0.0460	+/-0.50	
Chrysene-d12	1290158	21.497	1153654	21.538	112	50 - 200	-0.0410	+/-0.50	
Perylene-d12	922849	23.159	991596	23.211	93	50 - 200	-0.0520	+/-0.50	
GA-TU14SB17-21 (1409422-04)			**Lab File ID: 1409422-04.D**			**Analyzed: 10/07/14 14:26**			
1,4-Dichlorobenzene-d4	414012	7.62	403279	7.614	103	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	1450360	10.318	1529030	10.359	95	50 - 200	-0.0410	+/-0.50	
Acenaphthene-d10	948517	14.416	866604	14.474	109	50 - 200	-0.0580	+/-0.50	
Phenanthrene-d10	1582672	17.855	1400442	17.901	113	50 - 200	-0.0460	+/-0.50	
Chrysene-d12	1295624	21.498	1153654	21.538	112	50 - 200	-0.0400	+/-0.50	
Perylene-d12	674980	23.159	991596	23.211	68	50 - 200	-0.0520	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J08019

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J08019-CCV1)			**Lab File ID: 10bna1007a.D**			**Analyzed: 10/07/14 15:32**			
1,4-Dichlorobenzene-d4	480631	7.55	403279	7.614	119	50 - 200	-0.0640	+/-0.50	
Naphthalene-d8	1810548	10.295	1529030	10.359	118	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	1045964	14.404	866604	14.474	121	50 - 200	-0.0700	+/-0.50	
Phenanthrene-d10	1693318	17.837	1400442	17.901	121	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1422449	21.492	1153654	21.538	123	50 - 200	-0.0460	+/-0.50	
Perylene-d12	1259210	23.147	991596	23.211	127	50 - 200	-0.0640	+/-0.50	
Calibration Check (4J08019-CCV2)			**Lab File ID: 10ab1007a.D**			**Analyzed: 10/07/14 16:04**			
1,4-Dichlorobenzene-d4	529834	7.556	403279	7.614	131	50 - 200	-0.0580	+/-0.50	
Naphthalene-d8	2027049	10.289	1529030	10.359	133	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	1148068	14.398	866604	14.474	132	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1892711	17.837	1400442	17.901	135	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1642097	21.486	1153654	21.538	142	50 - 200	-0.0520	+/-0.50	
Perylene-d12	1419694	23.147	991596	23.211	143	50 - 200	-0.0640	+/-0.50	
Blank (1410496-BLK1)			**Lab File ID: 1410496-blk1.D**			**Analyzed: 10/07/14 16:34**			
1,4-Dichlorobenzene-d4	399233	7.585	403279	7.614	99	50 - 200	-0.0290	+/-0.50	
Naphthalene-d8	1478870	10.289	1529030	10.359	97	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	873142	14.398	866604	14.474	101	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1414283	17.837	1400442	17.901	101	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1237406	21.486	1153654	21.538	107	50 - 200	-0.0520	+/-0.50	
Perylene-d12	1081897	23.147	991596	23.211	109	50 - 200	-0.0640	+/-0.50	
GA-TU14SB23-33 (1409444-04)			**Lab File ID: 1409444-04.D**			**Analyzed: 10/07/14 17:38**			
1,4-Dichlorobenzene-d4	408275	7.602	403279	7.614	101	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	1497537	10.295	1529030	10.359	98	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	916756	14.398	866604	14.474	106	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1544805	17.837	1400442	17.901	110	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1373450	21.486	1153654	21.538	119	50 - 200	-0.0520	+/-0.50	
Perylene-d12	1156418	23.147	991596	23.211	117	50 - 200	-0.0640	+/-0.50	
GA-TU14SB24-33 (1409444-06)			**Lab File ID: 1409444-06.D**			**Analyzed: 10/07/14 18:10**			
1,4-Dichlorobenzene-d4	430381	7.602	403279	7.614	107	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	1534704	10.295	1529030	10.359	100	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	958433	14.393	866604	14.474	111	50 - 200	-0.0810	+/-0.50	
Phenanthrene-d10	1526899	17.831	1400442	17.901	109	50 - 200	-0.0700	+/-0.50	
Chrysene-d12	1270681	21.486	1153654	21.538	110	50 - 200	-0.0520	+/-0.50	
Perylene-d12	1069640	23.147	991596	23.211	108	50 - 200	-0.0640	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J08019

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU14SB21-5 (1409444-07)			**Lab File ID: 1409444-07.D**			**Analyzed: 10/07/14 18:43**			
1,4-Dichlorobenzene-d4	428441	7.596	403279	7.614	106	50 - 200	-0.0180	+/-0.50	
Naphthalene-d8	1561682	10.295	1529030	10.359	102	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	977848	14.398	866604	14.474	113	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1608296	17.837	1400442	17.901	115	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1358108	21.486	1153654	21.538	118	50 - 200	-0.0520	+/-0.50	
Perylene-d12	994872	23.141	991596	23.211	100	50 - 200	-0.0700	+/-0.50	
GA-TU14SB21-33 (1409444-08)			**Lab File ID: 1409444-08.D**			**Analyzed: 10/07/14 19:16**			
1,4-Dichlorobenzene-d4	451390	7.596	403279	7.614	112	50 - 200	-0.0180	+/-0.50	
Naphthalene-d8	1666170	10.295	1529030	10.359	109	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	1041729	14.398	866604	14.474	120	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1724164	17.837	1400442	17.901	123	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1516456	21.486	1153654	21.538	131	50 - 200	-0.0520	+/-0.50	
Perylene-d12	1177246	23.147	991596	23.211	119	50 - 200	-0.0640	+/-0.50	
GA-TU13SB02-33 (1409479-04)			**Lab File ID: 1409479-04.D**			**Analyzed: 10/07/14 19:48**			
1,4-Dichlorobenzene-d4	442684	7.59	403279	7.614	110	50 - 200	-0.0240	+/-0.50	
Naphthalene-d8	1642666	10.289	1529030	10.359	107	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	1030335	14.392	866604	14.474	119	50 - 200	-0.0820	+/-0.50	
Phenanthrene-d10	1675965	17.837	1400442	17.901	120	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1398226	21.486	1153654	21.538	121	50 - 200	-0.0520	+/-0.50	
Perylene-d12	1000043	23.147	991596	23.211	101	50 - 200	-0.0640	+/-0.50	
GA-TU13SB06-33 (1409479-13)			**Lab File ID: 1409479-13.D**			**Analyzed: 10/07/14 20:20**			
1,4-Dichlorobenzene-d4	441801	7.59	403279	7.614	110	50 - 200	-0.0240	+/-0.50	
Naphthalene-d8	1643111	10.289	1529030	10.359	107	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	1034814	14.392	866604	14.474	119	50 - 200	-0.0820	+/-0.50	
Phenanthrene-d10	1717825	17.831	1400442	17.901	123	50 - 200	-0.0700	+/-0.50	
Chrysene-d12	1477238	21.486	1153654	21.538	128	50 - 200	-0.0520	+/-0.50	
Perylene-d12	1017954	23.141	991596	23.211	103	50 - 200	-0.0700	+/-0.50	
GA-TU13SB07-33 (1409479-15)			**Lab File ID: 1409479-15.D**			**Analyzed: 10/07/14 20:52**			
1,4-Dichlorobenzene-d4	442333	7.596	403279	7.614	110	50 - 200	-0.0180	+/-0.50	
Naphthalene-d8	1621197	10.295	1529030	10.359	106	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	1000788	14.393	866604	14.474	115	50 - 200	-0.0810	+/-0.50	
Phenanthrene-d10	1567564	17.831	1400442	17.901	112	50 - 200	-0.0700	+/-0.50	
Chrysene-d12	1306714	21.48	1153654	21.538	113	50 - 200	-0.0580	+/-0.50	
Perylene-d12	918008	23.141	991596	23.211	93	50 - 200	-0.0700	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J08019
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB05-33 (1409479-18)			**Lab File ID: 1409479-18.D**			**Analyzed: 10/07/14 21:24**			
1,4-Dichlorobenzene-d4	442039	7.585	403279	7.614	110	50 - 200	-0.0290	+/-0.50	
Naphthalene-d8	1644316	10.289	1529030	10.359	108	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	1020634	14.392	866604	14.474	118	50 - 200	-0.0820	+/-0.50	
Phenanthrene-d10	1708372	17.831	1400442	17.901	122	50 - 200	-0.0700	+/-0.50	
Chrysene-d12	1466672	21.48	1153654	21.538	127	50 - 200	-0.0580	+/-0.50	
Perylene-d12	951491	23.141	991596	23.211	96	50 - 200	-0.0700	+/-0.50	
GA-TU13SB03-33 (1409479-16)			**Lab File ID: 1409479-16.D**			**Analyzed: 10/07/14 21:56**			
1,4-Dichlorobenzene-d4	430005	7.602	403279	7.614	107	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	1602993	10.289	1529030	10.359	105	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	1012661	14.392	866604	14.474	117	50 - 200	-0.0820	+/-0.50	
Phenanthrene-d10	1677050	17.831	1400442	17.901	120	50 - 200	-0.0700	+/-0.50	
Chrysene-d12	1448701	21.48	1153654	21.538	126	50 - 200	-0.0580	+/-0.50	
Perylene-d12	890029	23.141	991596	23.211	90	50 - 200	-0.0700	+/-0.50	
GA-TU13SB04-33 (1409479-06)			**Lab File ID: 1409479-06.D**			**Analyzed: 10/07/14 22:28**			
1,4-Dichlorobenzene-d4	429595	7.596	403279	7.614	107	50 - 200	-0.0180	+/-0.50	
Naphthalene-d8	1605403	10.295	1529030	10.359	105	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	1005904	14.392	866604	14.474	116	50 - 200	-0.0820	+/-0.50	
Phenanthrene-d10	1637267	17.831	1400442	17.901	117	50 - 200	-0.0700	+/-0.50	
Chrysene-d12	1343291	21.486	1153654	21.538	116	50 - 200	-0.0520	+/-0.50	
Perylene-d12	797342	23.141	991596	23.211	80	50 - 200	-0.0700	+/-0.50	
GA-TU14SB16-12 (1409422-01)			**Lab File ID: 1409422-01 10x.D**			**Analyzed: 10/07/14 23:00**			
1,4-Dichlorobenzene-d4	428510	7.561	403279	7.614	106	50 - 200	-0.0530	+/-0.50	
Naphthalene-d8	1669909	10.289	1529030	10.359	109	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	982415	14.398	866604	14.474	113	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1602787	17.837	1400442	17.901	114	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1167555	21.486	1153654	21.538	101	50 - 200	-0.0520	+/-0.50	
Perylene-d12	402512	23.141	991596	23.211	41	50 - 200	-0.0700	+/-0.50	*
GA-TU14SB18-05 (1409422-11)			**Lab File ID: 1409422-11 10x.D**			**Analyzed: 10/07/14 23:32**			
1,4-Dichlorobenzene-d4	428375	7.561	403279	7.614	106	50 - 200	-0.0530	+/-0.50	
Naphthalene-d8	1681178	10.289	1529030	10.359	110	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	986204	14.398	866604	14.474	114	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1626255	17.837	1400442	17.901	116	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1262895	21.486	1153654	21.538	109	50 - 200	-0.0520	+/-0.50	
Perylene-d12	537696	23.141	991596	23.211	54	50 - 200	-0.0700	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J08019

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU14SB24-07 (1409444-05)			**Lab File ID: 1409444-05 10x.D**			**Analyzed: 10/08/14 00:05**			
1,4-Dichlorobenzene-d4	451623	7.561	403279	7.614	112	50 - 200	-0.0530	+/-0.50	
Naphthalene-d8	1772921	10.295	1529030	10.359	116	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	1045318	14.398	866604	14.474	121	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1709908	17.837	1400442	17.901	122	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1176930	21.486	1153654	21.538	102	50 - 200	-0.0520	+/-0.50	
Perylene-d12	376602	23.141	991596	23.211	38	50 - 200	-0.0700	+/-0.50	*
GA-TU14SB22-33 (1409444-10)			**Lab File ID: 1409444-10 10x.D**			**Analyzed: 10/08/14 00:37**			
1,4-Dichlorobenzene-d4	432653	7.561	403279	7.614	107	50 - 200	-0.0530	+/-0.50	
Naphthalene-d8	1706512	10.295	1529030	10.359	112	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	990887	14.398	866604	14.474	114	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1642259	17.837	1400442	17.901	117	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1306524	21.48	1153654	21.538	113	50 - 200	-0.0580	+/-0.50	
Perylene-d12	577435	23.141	991596	23.211	58	50 - 200	-0.0700	+/-0.50	
GA-TU13SB01-08 (1409479-01)			**Lab File ID: 1409479-01.D**			**Analyzed: 10/08/14 01:10**			
1,4-Dichlorobenzene-d4	454618	7.59	403279	7.614	113	50 - 200	-0.0240	+/-0.50	
Naphthalene-d8	1707843	10.295	1529030	10.359	112	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	1007243	14.398	866604	14.474	116	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1497097	17.843	1400442	17.901	107	50 - 200	-0.0580	+/-0.50	
Chrysene-d12	785144	21.486	1153654	21.538	68	50 - 200	-0.0520	+/-0.50	
Perylene-d12	239083	23.141	991596	23.211	24	50 - 200	-0.0700	+/-0.50	*
GA-TU13SB01-32 (1409479-02)			**Lab File ID: 1409479-02.D**			**Analyzed: 10/08/14 01:43**			
1,4-Dichlorobenzene-d4	447585	7.596	403279	7.614	111	50 - 200	-0.0180	+/-0.50	
Naphthalene-d8	1687109	10.295	1529030	10.359	110	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	1032576	14.398	866604	14.474	119	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1634266	17.837	1400442	17.901	117	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	768658	21.486	1153654	21.538	67	50 - 200	-0.0520	+/-0.50	
Perylene-d12	236325	23.141	991596	23.211	24	50 - 200	-0.0700	+/-0.50	*
GA-TU13SB02-14 (1409479-03)			**Lab File ID: 1409479-03.D**			**Analyzed: 10/08/14 02:15**			
1,4-Dichlorobenzene-d4	460359	7.596	403279	7.614	114	50 - 200	-0.0180	+/-0.50	
Naphthalene-d8	1716087	10.289	1529030	10.359	112	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	1054469	14.398	866604	14.474	122	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1731597	17.837	1400442	17.901	124	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	895006	21.486	1153654	21.538	78	50 - 200	-0.0520	+/-0.50	
Perylene-d12	294816	23.147	991596	23.211	30	50 - 200	-0.0640	+/-0.50	*

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J08019

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB04-07 (1409479-05)			**Lab File ID: 1409479-05.D**			**Analyzed: 10/08/14 02:47**			
1,4-Dichlorobenzene-d4	414947	7.602	403279	7.614	103	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	1329515	10.312	1529030	10.359	87	50 - 200	-0.0470	+/-0.50	
Acenaphthene-d10	960937	14.404	866604	14.474	111	50 - 200	-0.0700	+/-0.50	
Phenanthrene-d10	1556054	17.843	1400442	17.901	111	50 - 200	-0.0580	+/-0.50	
Chrysene-d12	439533	21.486	1153654	21.538	38	50 - 200	-0.0520	+/-0.50	*
Perylene-d12	136530	23.147	991596	23.211	14	50 - 200	-0.0640	+/-0.50	*

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J08051

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J08051-CCV1)			**Lab File ID: 10bna1008.D**			**Analyzed: 10/08/14 08:18**			
1,4-Dichlorobenzene-d4	479656	7.521	403279	7.614	119	50 - 200	-0.0930	+/-0.50	
Naphthalene-d8	1774256	10.266	1529030	10.359	116	50 - 200	-0.0930	+/-0.50	
Acenaphthene-d10	961306	14.375	866604	14.474	111	50 - 200	-0.0990	+/-0.50	
Phenanthrene-d10	1408078	17.814	1400442	17.901	101	50 - 200	-0.0870	+/-0.50	
Chrysene-d12	1007893	21.474	1153654	21.538	87	50 - 200	-0.0640	+/-0.50	
Perylene-d12	872008	23.124	991596	23.211	88	50 - 200	-0.0870	+/-0.50	
Calibration Check (4J08051-CCV2)			**Lab File ID: 10ab1008.D**			**Analyzed: 10/08/14 08:50**			
1,4-Dichlorobenzene-d4	527859	7.52	403279	7.614	131	50 - 200	-0.0940	+/-0.50	
Naphthalene-d8	2052080	10.26	1529030	10.359	134	50 - 200	-0.0990	+/-0.50	
Acenaphthene-d10	1107604	14.369	866604	14.474	128	50 - 200	-0.1050	+/-0.50	
Phenanthrene-d10	1601203	17.808	1400442	17.901	114	50 - 200	-0.0930	+/-0.50	
Chrysene-d12	1291841	21.468	1153654	21.538	112	50 - 200	-0.0700	+/-0.50	
Perylene-d12	1121848	23.124	991596	23.211	113	50 - 200	-0.0870	+/-0.50	
LCS (1410496-BS1)			**Lab File ID: 1410496-bs1.D**			**Analyzed: 10/08/14 10:25**			
1,4-Dichlorobenzene-d4	471450	7.561	403279	7.614	117	50 - 200	-0.0530	+/-0.50	
Naphthalene-d8	1761647	10.272	1529030	10.359	115	50 - 200	-0.0870	+/-0.50	
Acenaphthene-d10	973087	14.375	866604	14.474	112	50 - 200	-0.0990	+/-0.50	
Phenanthrene-d10	1554283	17.814	1400442	17.901	111	50 - 200	-0.0870	+/-0.50	
Chrysene-d12	1111741	21.474	1153654	21.538	96	50 - 200	-0.0640	+/-0.50	
Perylene-d12	981124	23.124	991596	23.211	99	50 - 200	-0.0870	+/-0.50	
GA-TU14SB16-12 (1409422-01RE1)			**Lab File ID: 1409422-01 20x.D**			**Analyzed: 10/08/14 11:29**			
1,4-Dichlorobenzene-d4	466561	7.521	403279	7.614	116	50 - 200	-0.0930	+/-0.50	
Naphthalene-d8	1756783	10.26	1529030	10.359	115	50 - 200	-0.0990	+/-0.50	
Acenaphthene-d10	965202	14.369	866604	14.474	111	50 - 200	-0.1050	+/-0.50	
Phenanthrene-d10	1353055	17.808	1400442	17.901	97	50 - 200	-0.0930	+/-0.50	
Chrysene-d12	920837	21.468	1153654	21.538	80	50 - 200	-0.0700	+/-0.50	
Perylene-d12	507586	23.118	991596	23.211	51	50 - 200	-0.0930	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water
Sequence: 4J09008

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J09008-CCV1)			**Lab File ID: 10bna1008.D**			**Analyzed: 10/08/14 08:18**			
1,4-Dichlorobenzene-d4	479656	7.521	403279	7.614	119	50 - 200	-0.0930	+/-0.50	
Naphthalene-d8	1774256	10.266	1529030	10.359	116	50 - 200	-0.0930	+/-0.50	
Acenaphthene-d10	961306	14.375	866604	14.474	111	50 - 200	-0.0990	+/-0.50	
Phenanthrene-d10	1408078	17.814	1400442	17.901	101	50 - 200	-0.0870	+/-0.50	
Chrysene-d12	1007893	21.474	1153654	21.538	87	50 - 200	-0.0640	+/-0.50	
Perylene-d12	872008	23.124	991596	23.211	88	50 - 200	-0.0870	+/-0.50	
Calibration Check (4J09008-CCV2)			**Lab File ID: 10ab1008.D**			**Analyzed: 10/08/14 08:50**			
1,4-Dichlorobenzene-d4	527859	7.52	403279	7.614	131	50 - 200	-0.0940	+/-0.50	
Naphthalene-d8	2052080	10.26	1529030	10.359	134	50 - 200	-0.0990	+/-0.50	
Acenaphthene-d10	1107604	14.369	866604	14.474	128	50 - 200	-0.1050	+/-0.50	
Phenanthrene-d10	1601203	17.808	1400442	17.901	114	50 - 200	-0.0930	+/-0.50	
Chrysene-d12	1291841	21.468	1153654	21.538	112	50 - 200	-0.0700	+/-0.50	
Perylene-d12	1121848	23.124	991596	23.211	113	50 - 200	-0.0870	+/-0.50	
Blank (1410565-BLK1)			**Lab File ID: 1410565-blk1.D**			**Analyzed: 10/08/14 09:20**			
1,4-Dichlorobenzene-d4	477981	7.52	403279	7.614	119	50 - 200	-0.0940	+/-0.50	
Naphthalene-d8	1830973	10.26	1529030	10.359	120	50 - 200	-0.0990	+/-0.50	
Acenaphthene-d10	1020448	14.369	866604	14.474	118	50 - 200	-0.1050	+/-0.50	
Phenanthrene-d10	1471909	17.808	1400442	17.901	105	50 - 200	-0.0930	+/-0.50	
Chrysene-d12	1107680	21.468	1153654	21.538	96	50 - 200	-0.0700	+/-0.50	
Perylene-d12	978821	23.118	991596	23.211	99	50 - 200	-0.0930	+/-0.50	
LCS (1410565-BS1)			**Lab File ID: 1410565-bs1.D**			**Analyzed: 10/08/14 09:52**			
1,4-Dichlorobenzene-d4	500011	7.52	403279	7.614	124	50 - 200	-0.0940	+/-0.50	
Naphthalene-d8	1885330	10.266	1529030	10.359	123	50 - 200	-0.0930	+/-0.50	
Acenaphthene-d10	1053383	14.375	866604	14.474	122	50 - 200	-0.0990	+/-0.50	
Phenanthrene-d10	1566113	17.814	1400442	17.901	112	50 - 200	-0.0870	+/-0.50	
Chrysene-d12	1131648	21.474	1153654	21.538	98	50 - 200	-0.0640	+/-0.50	
Perylene-d12	1015947	23.124	991596	23.211	102	50 - 200	-0.0870	+/-0.50	
GA-TU16GW29-01 (1409499-06)			**Lab File ID: 1409499-06.D**			**Analyzed: 10/08/14 10:57**			
1,4-Dichlorobenzene-d4	460380	7.521	403279	7.614	114	50 - 200	-0.0930	+/-0.50	
Naphthalene-d8	1744008	10.26	1529030	10.359	114	50 - 200	-0.0990	+/-0.50	
Acenaphthene-d10	971154	14.369	866604	14.474	112	50 - 200	-0.1050	+/-0.50	
Phenanthrene-d10	1361185	17.808	1400442	17.901	97	50 - 200	-0.0930	+/-0.50	
Chrysene-d12	970201	21.469	1153654	21.538	84	50 - 200	-0.0690	+/-0.50	
Perylene-d12	796990	23.118	991596	23.211	80	50 - 200	-0.0930	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J09062

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J09062-CCV1)			**Lab File ID: 10bna1008a.D**			**Analyzed: 10/08/14 14:59**			
1,4-Dichlorobenzene-d4	500693	7.485	403279	7.614	124	50 - 200	-0.1290	+/-0.50	
Naphthalene-d8	1865548	10.231	1529030	10.359	122	50 - 200	-0.1280	+/-0.50	
Acenaphthene-d10	1026721	14.34	866604	14.474	118	50 - 200	-0.1340	+/-0.50	
Phenanthrene-d10	1523895	17.785	1400442	17.901	109	50 - 200	-0.1160	+/-0.50	
Chrysene-d12	1157021	21.451	1153654	21.538	100	50 - 200	-0.0870	+/-0.50	
Perylene-d12	989805	23.095	991596	23.211	100	50 - 200	-0.1160	+/-0.50	
Calibration Check (4J09062-CCV2)			**Lab File ID: 10ab1008a.D**			**Analyzed: 10/08/14 15:32**			
1,4-Dichlorobenzene-d4	520507	7.486	403279	7.614	129	50 - 200	-0.1280	+/-0.50	
Naphthalene-d8	1935898	10.225	1529030	10.359	127	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	1001599	14.334	866604	14.474	116	50 - 200	-0.1400	+/-0.50	
Phenanthrene-d10	1427733	17.779	1400442	17.901	102	50 - 200	-0.1220	+/-0.50	
Chrysene-d12	1172989	21.445	1153654	21.538	102	50 - 200	-0.0930	+/-0.50	
Perylene-d12	882685	23.089	991596	23.211	89	50 - 200	-0.1220	+/-0.50	
Blank (1410563-BLK1)			**Lab File ID: 1410563-blk1.D**			**Analyzed: 10/08/14 16:02**			
1,4-Dichlorobenzene-d4	459651	7.509	403279	7.614	114	50 - 200	-0.1050	+/-0.50	
Naphthalene-d8	1671265	10.225	1529030	10.359	109	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	936857	14.328	866604	14.474	108	50 - 200	-0.1460	+/-0.50	
Phenanthrene-d10	1290633	17.779	1400442	17.901	92	50 - 200	-0.1220	+/-0.50	
Chrysene-d12	1007711	21.445	1153654	21.538	87	50 - 200	-0.0930	+/-0.50	
Perylene-d12	847363	23.089	991596	23.211	85	50 - 200	-0.1220	+/-0.50	
LCS (1410563-BS1)			**Lab File ID: 1410563-bs1.D**			**Analyzed: 10/08/14 16:34**			
1,4-Dichlorobenzene-d4	487852	7.509	403279	7.614	121	50 - 200	-0.1050	+/-0.50	
Naphthalene-d8	1839291	10.225	1529030	10.359	120	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	1037938	14.334	866604	14.474	120	50 - 200	-0.1400	+/-0.50	
Phenanthrene-d10	1563796	17.785	1400442	17.901	112	50 - 200	-0.1160	+/-0.50	
Chrysene-d12	1189663	21.451	1153654	21.538	103	50 - 200	-0.0870	+/-0.50	
Perylene-d12	1077076	23.089	991596	23.211	109	50 - 200	-0.1220	+/-0.50	
GA-TU16SB29-15 (1409499-08)			**Lab File ID: 1409499-08.D**			**Analyzed: 10/08/14 19:15**			
1,4-Dichlorobenzene-d4	487975	7.509	403279	7.614	121	50 - 200	-0.1050	+/-0.50	
Naphthalene-d8	1878269	10.225	1529030	10.359	123	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	1106514	14.328	866604	14.474	128	50 - 200	-0.1460	+/-0.50	
Phenanthrene-d10	1607897	17.779	1400442	17.901	115	50 - 200	-0.1220	+/-0.50	
Chrysene-d12	1227636	21.445	1153654	21.538	106	50 - 200	-0.0930	+/-0.50	
Perylene-d12	803949	23.089	991596	23.211	81	50 - 200	-0.1220	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J09062

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU16SB29-15DUP (1409499-09)			**Lab File ID: 1409499-09.D**			**Analyzed: 10/08/14 19:47**			
1,4-Dichlorobenzene-d4	499046	7.509	403279	7.614	124	50 - 200	-0.1050	+/-0.50	
Naphthalene-d8	1887872	10.225	1529030	10.359	123	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	1095633	14.328	866604	14.474	126	50 - 200	-0.1460	+/-0.50	
Phenanthrene-d10	1536872	17.785	1400442	17.901	110	50 - 200	-0.1160	+/-0.50	
Chrysene-d12	1163379	21.445	1153654	21.538	101	50 - 200	-0.0930	+/-0.50	
Perylene-d12	666286	23.089	991596	23.211	67	50 - 200	-0.1220	+/-0.50	
GA-TU16SB29-44 (1409499-10)			**Lab File ID: 1409499-10.D**			**Analyzed: 10/08/14 20:19**			
1,4-Dichlorobenzene-d4	469056	7.509	403279	7.614	116	50 - 200	-0.1050	+/-0.50	
Naphthalene-d8	1795233	10.225	1529030	10.359	117	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	1049274	14.328	866604	14.474	121	50 - 200	-0.1460	+/-0.50	
Phenanthrene-d10	1634521	17.779	1400442	17.901	117	50 - 200	-0.1220	+/-0.50	
Chrysene-d12	1120010	21.445	1153654	21.538	97	50 - 200	-0.0930	+/-0.50	
Perylene-d12	496083	23.083	991596	23.211	50	50 - 200	-0.1280	+/-0.50	
GA-TU13SB01-08 (1409479-01RE1)			**Lab File ID: 1409479-01 10x.D**			**Analyzed: 10/08/14 22:30**			
1,4-Dichlorobenzene-d4	494379	7.491	403279	7.614	123	50 - 200	-0.1230	+/-0.50	
Naphthalene-d8	1942481	10.225	1529030	10.359	127	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	1122845	14.328	866604	14.474	130	50 - 200	-0.1460	+/-0.50	
Phenanthrene-d10	1701433	17.779	1400442	17.901	121	50 - 200	-0.1220	+/-0.50	
Chrysene-d12	1082806	21.445	1153654	21.538	94	50 - 200	-0.0930	+/-0.50	
Perylene-d12	517499	23.083	991596	23.211	52	50 - 200	-0.1280	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water
Sequence: 4J09063

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J09063-CCV1)			**Lab File ID: 10bna1008a.D**			**Analyzed: 10/08/14 14:59**			
1,4-Dichlorobenzene-d4	500693	7.485	403279	7.614	124	50 - 200	-0.1290	+/-0.50	
Naphthalene-d8	1865548	10.231	1529030	10.359	122	50 - 200	-0.1280	+/-0.50	
Acenaphthene-d10	1026721	14.34	866604	14.474	118	50 - 200	-0.1340	+/-0.50	
Phenanthrene-d10	1523895	17.785	1400442	17.901	109	50 - 200	-0.1160	+/-0.50	
Chrysene-d12	1157021	21.451	1153654	21.538	100	50 - 200	-0.0870	+/-0.50	
Perylene-d12	989805	23.095	991596	23.211	100	50 - 200	-0.1160	+/-0.50	
Calibration Check (4J09063-CCV2)			**Lab File ID: 10ab1008a.D**			**Analyzed: 10/08/14 15:32**			
1,4-Dichlorobenzene-d4	520507	7.486	403279	7.614	129	50 - 200	-0.1280	+/-0.50	
Naphthalene-d8	1935898	10.225	1529030	10.359	127	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	1001599	14.334	866604	14.474	116	50 - 200	-0.1400	+/-0.50	
Phenanthrene-d10	1427733	17.779	1400442	17.901	102	50 - 200	-0.1220	+/-0.50	
Chrysene-d12	1172989	21.445	1153654	21.538	102	50 - 200	-0.0930	+/-0.50	
Perylene-d12	882685	23.089	991596	23.211	89	50 - 200	-0.1220	+/-0.50	
GA-TU16GW29-01 (1409499-06RE1)			**Lab File ID: 1409499-06 2x.D**			**Analyzed: 10/08/14 17:06**			
1,4-Dichlorobenzene-d4	461772	7.486	403279	7.614	115	50 - 200	-0.1280	+/-0.50	
Naphthalene-d8	1741755	10.225	1529030	10.359	114	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	974762	14.328	866604	14.474	112	50 - 200	-0.1460	+/-0.50	
Phenanthrene-d10	1420421	17.779	1400442	17.901	101	50 - 200	-0.1220	+/-0.50	
Chrysene-d12	1120869	21.445	1153654	21.538	97	50 - 200	-0.0930	+/-0.50	
Perylene-d12	939699	23.089	991596	23.211	95	50 - 200	-0.1220	+/-0.50	
FQC-EB092614JC-001 (1409499-07)			**Lab File ID: 1409499-07.D**			**Analyzed: 10/08/14 17:38**			
1,4-Dichlorobenzene-d4	485075	7.486	403279	7.614	120	50 - 200	-0.1280	+/-0.50	
Naphthalene-d8	1821253	10.225	1529030	10.359	119	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	1010999	14.328	866604	14.474	117	50 - 200	-0.1460	+/-0.50	
Phenanthrene-d10	1489186	17.779	1400442	17.901	106	50 - 200	-0.1220	+/-0.50	
Chrysene-d12	1226991	21.445	1153654	21.538	106	50 - 200	-0.0930	+/-0.50	
Perylene-d12	1054404	23.089	991596	23.211	106	50 - 200	-0.1220	+/-0.50	
GA-TU13GW08-01 (1410014-09)			**Lab File ID: 1410014-09.D**			**Analyzed: 10/08/14 18:11**			
1,4-Dichlorobenzene-d4	467473	7.486	403279	7.614	116	50 - 200	-0.1280	+/-0.50	
Naphthalene-d8	1719786	10.225	1529030	10.359	112	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	949462	14.334	866604	14.474	110	50 - 200	-0.1400	+/-0.50	
Phenanthrene-d10	1381567	17.785	1400442	17.901	99	50 - 200	-0.1160	+/-0.50	
Chrysene-d12	1099730	21.445	1153654	21.538	95	50 - 200	-0.0930	+/-0.50	
Perylene-d12	900637	23.089	991596	23.211	91	50 - 200	-0.1220	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water
Sequence: 4J09063

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13GW13-01 (1410025-09)			**Lab File ID: 1410025-09.D**			**Analyzed: 10/08/14 18:43**			
1,4-Dichlorobenzene-d4	491124	7.486	403279	7.614	122	50 - 200	-0.1280	+/-0.50	
Naphthalene-d8	1882744	10.225	1529030	10.359	123	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	1067061	14.329	866604	14.474	123	50 - 200	-0.1450	+/-0.50	
Phenanthrene-d10	1649121	17.779	1400442	17.901	118	50 - 200	-0.1220	+/-0.50	
Chrysene-d12	1318782	21.445	1153654	21.538	114	50 - 200	-0.0930	+/-0.50	
Perylene-d12	1113647	23.089	991596	23.211	112	50 - 200	-0.1220	+/-0.50	
GA-TU13GW09-01 (1410014-10)			**Lab File ID: 1410014-10.D**			**Analyzed: 10/08/14 21:24**			
1,4-Dichlorobenzene-d4	519354	7.486	403279	7.614	129	50 - 200	-0.1280	+/-0.50	
Naphthalene-d8	1989145	10.225	1529030	10.359	130	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	1129736	14.329	866604	14.474	130	50 - 200	-0.1450	+/-0.50	
Phenanthrene-d10	1693251	17.779	1400442	17.901	121	50 - 200	-0.1220	+/-0.50	
Chrysene-d12	1144737	21.445	1153654	21.538	99	50 - 200	-0.0930	+/-0.50	
Perylene-d12	563258	23.083	991596	23.211	57	50 - 200	-0.1280	+/-0.50	
GA-TU13GW12-01 (1410025-08)			**Lab File ID: 1410025-08.D**			**Analyzed: 10/08/14 21:57**			
1,4-Dichlorobenzene-d4	512158	7.486	403279	7.614	127	50 - 200	-0.1280	+/-0.50	
Naphthalene-d8	1968586	10.225	1529030	10.359	129	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10	1100861	14.328	866604	14.474	127	50 - 200	-0.1460	+/-0.50	
Phenanthrene-d10	1654845	17.779	1400442	17.901	118	50 - 200	-0.1220	+/-0.50	
Chrysene-d12	1173650	21.445	1153654	21.538	102	50 - 200	-0.0930	+/-0.50	
Perylene-d12	591743	23.083	991596	23.211	60	50 - 200	-0.1280	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J10038

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J10038-CCV1)			**Lab File ID: 10bna1010.D**			**Analyzed: 10/10/14 08:47**			
1,4-Dichlorobenzene-d4	509041	7.46	403279	7.614	126	50 - 200	-0.1540	+/-0.50	
Naphthalene-d8	1860744	10.206	1529030	10.359	122	50 - 200	-0.1530	+/-0.50	
Acenaphthene-d10	991276	14.309	866604	14.474	114	50 - 200	-0.1650	+/-0.50	
Phenanthrene-d10	1530043	17.754	1400442	17.901	109	50 - 200	-0.1470	+/-0.50	
Chrysene-d12	1046775	21.42	1153654	21.538	91	50 - 200	-0.1180	+/-0.50	
Perylene-d12	956144	23.046	991596	23.211	96	50 - 200	-0.1650	+/-0.50	
Calibration Check (4J10038-CCV2)			**Lab File ID: 10ab1010.D**			**Analyzed: 10/10/14 09:20**			
1,4-Dichlorobenzene-d4	554057	7.46	403279	7.614	137	50 - 200	-0.1540	+/-0.50	
Naphthalene-d8	2095692	10.2	1529030	10.359	137	50 - 200	-0.1590	+/-0.50	
Acenaphthene-d10	1071503	14.303	866604	14.474	124	50 - 200	-0.1710	+/-0.50	
Phenanthrene-d10	1614267	17.748	1400442	17.901	115	50 - 200	-0.1530	+/-0.50	
Chrysene-d12	1315048	21.414	1153654	21.538	114	50 - 200	-0.1240	+/-0.50	
Perylene-d12	1079655	23.046	991596	23.211	109	50 - 200	-0.1650	+/-0.50	
Blank (1410496-BLK2)			**Lab File ID: 1410496-blk2.D**			**Analyzed: 10/10/14 09:50**			
1,4-Dichlorobenzene-d4	421511	7.496	403279	7.614	105	50 - 200	-0.1180	+/-0.50	
Naphthalene-d8	1570941	10.2	1529030	10.359	103	50 - 200	-0.1590	+/-0.50	
Acenaphthene-d10	892672	14.298	866604	14.474	103	50 - 200	-0.1760	+/-0.50	
Phenanthrene-d10	1368311	17.748	1400442	17.901	98	50 - 200	-0.1530	+/-0.50	
Chrysene-d12	1111211	21.414	1153654	21.538	96	50 - 200	-0.1240	+/-0.50	
Perylene-d12	869793	23.046	991596	23.211	88	50 - 200	-0.1650	+/-0.50	
LCS (1410496-BS2)			**Lab File ID: 1410496-bs2.D**			**Analyzed: 10/10/14 10:22**			
1,4-Dichlorobenzene-d4	395204	7.495	403279	7.614	98	50 - 200	-0.1190	+/-0.50	
Naphthalene-d8	1460184	10.206	1529030	10.359	95	50 - 200	-0.1530	+/-0.50	
Acenaphthene-d10	787965	14.303	866604	14.474	91	50 - 200	-0.1710	+/-0.50	
Phenanthrene-d10	1254386	17.754	1400442	17.901	90	50 - 200	-0.1470	+/-0.50	
Chrysene-d12	934271	21.42	1153654	21.538	81	50 - 200	-0.1180	+/-0.50	
Perylene-d12	795708	23.046	991596	23.211	80	50 - 200	-0.1650	+/-0.50	
GA-TU14SB24-07 (1409444-05RE1)			**Lab File ID: 1409444-05 20x.D**			**Analyzed: 10/10/14 10:55**			
1,4-Dichlorobenzene-d4	522856	7.466	403279	7.614	130	50 - 200	-0.1480	+/-0.50	
Naphthalene-d8	1956537	10.2	1529030	10.359	128	50 - 200	-0.1590	+/-0.50	
Acenaphthene-d10	1047260	14.303	866604	14.474	121	50 - 200	-0.1710	+/-0.50	
Phenanthrene-d10	1546608	17.748	1400442	17.901	110	50 - 200	-0.1530	+/-0.50	
Chrysene-d12	1136284	21.414	1153654	21.538	98	50 - 200	-0.1240	+/-0.50	
Perylene-d12	686037	23.046	991596	23.211	69	50 - 200	-0.1650	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J10038

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB02-33 (1409479-04RE1)			**Lab File ID: 1409479-04 re1.D**			**Analyzed: 10/10/14 11:27**			
1,4-Dichlorobenzene-d4	373930	7.49	403279	7.614	93	50 - 200	-0.1240	+/-0.50	
Naphthalene-d8	1398614	10.2	1529030	10.359	91	50 - 200	-0.1590	+/-0.50	
Acenaphthene-d10	791378	14.298	866604	14.474	91	50 - 200	-0.1760	+/-0.50	
Phenanthrene-d10	1215653	17.748	1400442	17.901	87	50 - 200	-0.1530	+/-0.50	
Chrysene-d12	960458	21.414	1153654	21.538	83	50 - 200	-0.1240	+/-0.50	
Perylene-d12	745410	23.046	991596	23.211	75	50 - 200	-0.1650	+/-0.50	
GA-TU13SB04-33 (1409479-06RE1)			**Lab File ID: 1409479-06 re1.D**			**Analyzed: 10/10/14 11:59**			
1,4-Dichlorobenzene-d4	379827	7.496	403279	7.614	94	50 - 200	-0.1180	+/-0.50	
Naphthalene-d8	1405016	10.2	1529030	10.359	92	50 - 200	-0.1590	+/-0.50	
Acenaphthene-d10	791487	14.298	866604	14.474	91	50 - 200	-0.1760	+/-0.50	
Phenanthrene-d10	1195446	17.748	1400442	17.901	85	50 - 200	-0.1530	+/-0.50	
Chrysene-d12	920106	21.414	1153654	21.538	80	50 - 200	-0.1240	+/-0.50	
Perylene-d12	663184	23.046	991596	23.211	67	50 - 200	-0.1650	+/-0.50	
GA-TU13SB05-33 (1409479-18RE1)			**Lab File ID: 1409479-18re1.D**			**Analyzed: 10/10/14 12:31**			
1,4-Dichlorobenzene-d4	395808	7.495	403279	7.614	98	50 - 200	-0.1190	+/-0.50	
Naphthalene-d8	1472278	10.2	1529030	10.359	96	50 - 200	-0.1590	+/-0.50	
Acenaphthene-d10	828308	14.297	866604	14.474	96	50 - 200	-0.1770	+/-0.50	
Phenanthrene-d10	1239778	17.748	1400442	17.901	89	50 - 200	-0.1530	+/-0.50	
Chrysene-d12	963089	21.414	1153654	21.538	83	50 - 200	-0.1240	+/-0.50	
Perylene-d12	711749	23.046	991596	23.211	72	50 - 200	-0.1650	+/-0.50	
GA-TU13SB01-32 (1409479-02RE1)			**Lab File ID: 1409479-02 10x.D**			**Analyzed: 10/10/14 13:04**			
1,4-Dichlorobenzene-d4	483776	7.466	403279	7.614	120	50 - 200	-0.1480	+/-0.50	
Naphthalene-d8	1827950	10.2	1529030	10.359	120	50 - 200	-0.1590	+/-0.50	
Acenaphthene-d10	985291	14.303	866604	14.474	114	50 - 200	-0.1710	+/-0.50	
Phenanthrene-d10	1426496	17.748	1400442	17.901	102	50 - 200	-0.1530	+/-0.50	
Chrysene-d12	1104057	21.414	1153654	21.538	96	50 - 200	-0.1240	+/-0.50	
Perylene-d12	818663	23.046	991596	23.211	83	50 - 200	-0.1650	+/-0.50	
GA-TU13SB02-14 (1409479-03RE1)			**Lab File ID: 1409479-03 10x.D**			**Analyzed: 10/10/14 13:36**			
1,4-Dichlorobenzene-d4	476190	7.466	403279	7.614	118	50 - 200	-0.1480	+/-0.50	
Naphthalene-d8	1819925	10.2	1529030	10.359	119	50 - 200	-0.1590	+/-0.50	
Acenaphthene-d10	988436	14.303	866604	14.474	114	50 - 200	-0.1710	+/-0.50	
Phenanthrene-d10	1510573	17.748	1400442	17.901	108	50 - 200	-0.1530	+/-0.50	
Chrysene-d12	1169097	21.414	1153654	21.538	101	50 - 200	-0.1240	+/-0.50	
Perylene-d12	829688	23.046	991596	23.211	84	50 - 200	-0.1650	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J10038

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB06-14 (1409479-12)			**Lab File ID: 1409479-12 10x.D**			**Analyzed: 10/10/14 14:08**			
1,4-Dichlorobenzene-d4	487869	7.466	403279	7.614	121	50 - 200	-0.1480	+/-0.50	
Naphthalene-d8	1857743	10.2	1529030	10.359	121	50 - 200	-0.1590	+/-0.50	
Acenaphthene-d10	1027076	14.303	866604	14.474	119	50 - 200	-0.1710	+/-0.50	
Phenanthrene-d10	1594614	17.748	1400442	17.901	114	50 - 200	-0.1530	+/-0.50	
Chrysene-d12	1169897	21.414	1153654	21.538	101	50 - 200	-0.1240	+/-0.50	
Perylene-d12	727113	23.046	991596	23.211	73	50 - 200	-0.1650	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J15024

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J15024-CCV1)			**Lab File ID: 10bna1010a.D**			**Analyzed: 10/10/14 15:17**			
1,4-Dichlorobenzene-d4	507388	7.43	403279	7.614	126	50 - 200	-0.1840	+/-0.50	
Naphthalene-d8	1810850	10.175	1529030	10.359	118	50 - 200	-0.1840	+/-0.50	
Acenaphthene-d10	964493	14.272	866604	14.474	111	50 - 200	-0.2020	+/-0.50	
Phenanthrene-d10	1402572	17.723	1400442	17.901	100	50 - 200	-0.1780	+/-0.50	
Chrysene-d12	966957	21.395	1153654	21.538	84	50 - 200	-0.1430	+/-0.50	
Perylene-d12	707700	23.015	991596	23.211	71	50 - 200	-0.1960	+/-0.50	
Calibration Check (4J15024-CCV2)			**Lab File ID: 10ab1010a.D**			**Analyzed: 10/10/14 15:50**			
1,4-Dichlorobenzene-d4	544518	7.424	403279	7.614	135	50 - 200	-0.1900	+/-0.50	
Naphthalene-d8	2100507	10.163	1529030	10.359	137	50 - 200	-0.1960	+/-0.50	
Acenaphthene-d10	1067592	14.267	866604	14.474	123	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	1547981	17.717	1400442	17.901	111	50 - 200	-0.1840	+/-0.50	
Chrysene-d12	1050175	21.389	1153654	21.538	91	50 - 200	-0.1490	+/-0.50	
Perylene-d12	764569	23.015	991596	23.211	77	50 - 200	-0.1960	+/-0.50	
GA-TU13SB8-34 (1410014-02)			**Lab File ID: 1410014-02.D**			**Analyzed: 10/10/14 16:52**			
1,4-Dichlorobenzene-d4	375747	7.459	403279	7.614	93	50 - 200	-0.1550	+/-0.50	
Naphthalene-d8	1369573	10.169	1529030	10.359	90	50 - 200	-0.1900	+/-0.50	
Acenaphthene-d10	723219	14.267	866604	14.474	83	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	1016966	17.717	1400442	17.901	73	50 - 200	-0.1840	+/-0.50	
Chrysene-d12	710880	21.389	1153654	21.538	62	50 - 200	-0.1490	+/-0.50	
Perylene-d12	519131	23.01	991596	23.211	52	50 - 200	-0.2010	+/-0.50	
GA-TU13SB9-34 (1410014-04)			**Lab File ID: 1410014-04.D**			**Analyzed: 10/10/14 17:24**			
1,4-Dichlorobenzene-d4	389937	7.459	403279	7.614	97	50 - 200	-0.1550	+/-0.50	
Naphthalene-d8	1459117	10.169	1529030	10.359	95	50 - 200	-0.1900	+/-0.50	
Acenaphthene-d10	784066	14.267	866604	14.474	90	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	1135101	17.717	1400442	17.901	81	50 - 200	-0.1840	+/-0.50	
Chrysene-d12	808146	21.389	1153654	21.538	70	50 - 200	-0.1490	+/-0.50	
Perylene-d12	578767	23.015	991596	23.211	58	50 - 200	-0.1960	+/-0.50	
GA-TU13SB9-20 (1410014-03)			**Lab File ID: 1410014-03.D**			**Analyzed: 10/10/14 17:56**			
1,4-Dichlorobenzene-d4	391218	7.459	403279	7.614	97	50 - 200	-0.1550	+/-0.50	
Naphthalene-d8	1465558	10.169	1529030	10.359	96	50 - 200	-0.1900	+/-0.50	
Acenaphthene-d10	794799	14.267	866604	14.474	92	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	1148855	17.717	1400442	17.901	82	50 - 200	-0.1840	+/-0.50	
Chrysene-d12	850368	21.389	1153654	21.538	74	50 - 200	-0.1490	+/-0.50	
Perylene-d12	613194	23.015	991596	23.211	62	50 - 200	-0.1960	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J15024

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB11-20 (1410014-07)			**Lab File ID: 1410014-07.D**			**Analyzed: 10/10/14 18:28**			
1,4-Dichlorobenzene-d4	354181	7.459	403279	7.614	88	50 - 200	-0.1550	+/-0.50	
Naphthalene-d8	1303685	10.169	1529030	10.359	85	50 - 200	-0.1900	+/-0.50	
Acenaphthene-d10	698131	14.267	866604	14.474	81	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	970616	17.717	1400442	17.901	69	50 - 200	-0.1840	+/-0.50	
Chrysene-d12	693296	21.389	1153654	21.538	60	50 - 200	-0.1490	+/-0.50	
Perylene-d12	496583	23.01	991596	23.211	50	50 - 200	-0.2010	+/-0.50	
Matrix Spike (1410563-MS1)			**Lab File ID: 1410563-ms1.D**			**Analyzed: 10/10/14 19:00**			
1,4-Dichlorobenzene-d4	388177	7.459	403279	7.614	96	50 - 200	-0.1550	+/-0.50	
Naphthalene-d8	1400164	10.169	1529030	10.359	92	50 - 200	-0.1900	+/-0.50	
Acenaphthene-d10	747451	14.272	866604	14.474	86	50 - 200	-0.2020	+/-0.50	
Phenanthrene-d10	1058401	17.723	1400442	17.901	76	50 - 200	-0.1780	+/-0.50	
Chrysene-d12	770570	21.395	1153654	21.538	67	50 - 200	-0.1430	+/-0.50	
Perylene-d12	519943	23.015	991596	23.211	52	50 - 200	-0.1960	+/-0.50	
GA-TU13SB10-34 (1410014-06)			**Lab File ID: 1410014-06.D**			**Analyzed: 10/10/14 20:36**			
1,4-Dichlorobenzene-d4	357341	7.459	403279	7.614	89	50 - 200	-0.1550	+/-0.50	
Naphthalene-d8	1342131	10.169	1529030	10.359	88	50 - 200	-0.1900	+/-0.50	
Acenaphthene-d10	716039	14.267	866604	14.474	83	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	1049378	17.717	1400442	17.901	75	50 - 200	-0.1840	+/-0.50	
Chrysene-d12	689448	21.389	1153654	21.538	60	50 - 200	-0.1490	+/-0.50	
Perylene-d12	303761	23.01	991596	23.211	31	50 - 200	-0.2010	+/-0.50	*
GA-TU16SB30-08 (1409499-02)			**Lab File ID: 1409499-02.D**			**Analyzed: 10/10/14 21:09**			
1,4-Dichlorobenzene-d4	388448	7.453	403279	7.614	96	50 - 200	-0.1610	+/-0.50	
Naphthalene-d8	1471804	10.163	1529030	10.359	96	50 - 200	-0.1960	+/-0.50	
Acenaphthene-d10	789665	14.267	866604	14.474	91	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	1189302	17.717	1400442	17.901	85	50 - 200	-0.1840	+/-0.50	
Chrysene-d12	783606	21.395	1153654	21.538	68	50 - 200	-0.1430	+/-0.50	
Perylene-d12	326699	23.01	991596	23.211	33	50 - 200	-0.2010	+/-0.50	*
GA-TU16SB32-17 (1409499-04)			**Lab File ID: 1409499-04.D**			**Analyzed: 10/10/14 21:41**			
1,4-Dichlorobenzene-d4	388674	7.453	403279	7.614	96	50 - 200	-0.1610	+/-0.50	
Naphthalene-d8	1480427	10.163	1529030	10.359	97	50 - 200	-0.1960	+/-0.50	
Acenaphthene-d10	810060	14.267	866604	14.474	93	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	1210488	17.717	1400442	17.901	86	50 - 200	-0.1840	+/-0.50	
Chrysene-d12	723541	21.389	1153654	21.538	63	50 - 200	-0.1490	+/-0.50	
Perylene-d12	283323	23.01	991596	23.211	29	50 - 200	-0.2010	+/-0.50	*

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J15024

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB11-34 (1410014-08)			**Lab File ID: 1410014-08.D**			**Analyzed: 10/11/14 00:22**			
1,4-Dichlorobenzene-d4	364761	7.459	403279	7.614	90	50 - 200	-0.1550	+/-0.50	
Naphthalene-d8	1376576	10.169	1529030	10.359	90	50 - 200	-0.1900	+/-0.50	
Acenaphthene-d10	727387	14.267	866604	14.474	84	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	1010391	17.717	1400442	17.901	72	50 - 200	-0.1840	+/-0.50	
Chrysene-d12	456952	21.401	1153654	21.538	40	50 - 200	-0.1370	+/-0.50	*
Perylene-d12	122385	23.015	991596	23.211	12	50 - 200	-0.1960	+/-0.50	*
GA-TU13SB8-15 (1410014-01)			**Lab File ID: 1410014-01.D**			**Analyzed: 10/11/14 00:55**			
1,4-Dichlorobenzene-d4	383001	7.459	403279	7.614	95	50 - 200	-0.1550	+/-0.50	
Naphthalene-d8	1431424	10.169	1529030	10.359	94	50 - 200	-0.1900	+/-0.50	
Acenaphthene-d10	755988	14.267	866604	14.474	87	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	1099947	17.723	1400442	17.901	79	50 - 200	-0.1780	+/-0.50	
Chrysene-d12	503674	21.395	1153654	21.538	44	50 - 200	-0.1430	+/-0.50	*
Perylene-d12	145937	23.015	991596	23.211	15	50 - 200	-0.1960	+/-0.50	*
GA-TU13SB10-15 (1410014-05)			**Lab File ID: 1410014-05.D**			**Analyzed: 10/11/14 01:27**			
1,4-Dichlorobenzene-d4	386233	7.459	403279	7.614	96	50 - 200	-0.1550	+/-0.50	
Naphthalene-d8	1427881	10.169	1529030	10.359	93	50 - 200	-0.1900	+/-0.50	
Acenaphthene-d10	732490	14.267	866604	14.474	85	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	997372	17.723	1400442	17.901	71	50 - 200	-0.1780	+/-0.50	
Chrysene-d12	361919	21.395	1153654	21.538	31	50 - 200	-0.1430	+/-0.50	*
Perylene-d12	95436	23.015	991596	23.211	10	50 - 200	-0.1960	+/-0.50	*
GA-TU16SB33-10 (1409499-05)			**Lab File ID: 1409499-05.D**			**Analyzed: 10/11/14 02:00**			
1,4-Dichlorobenzene-d4	369836	7.459	403279	7.614	92	50 - 200	-0.1550	+/-0.50	
Naphthalene-d8	1388512	10.169	1529030	10.359	91	50 - 200	-0.1900	+/-0.50	
Acenaphthene-d10	730536	14.267	866604	14.474	84	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	943821	17.723	1400442	17.901	67	50 - 200	-0.1780	+/-0.50	
Chrysene-d12	419650	21.395	1153654	21.538	36	50 - 200	-0.1430	+/-0.50	*
Perylene-d12	118513	23.015	991596	23.211	12	50 - 200	-0.1960	+/-0.50	*
GA-TU13SB05-12 (1409479-17)			**Lab File ID: 1409479-17 10x.D**			**Analyzed: 10/11/14 02:32**			
1,4-Dichlorobenzene-d4	489660	7.435	403279	7.614	121	50 - 200	-0.1790	+/-0.50	
Naphthalene-d8	1869419	10.169	1529030	10.359	122	50 - 200	-0.1900	+/-0.50	
Acenaphthene-d10	988924	14.267	866604	14.474	114	50 - 200	-0.2070	+/-0.50	
Phenanthrene-d10	1387818	17.723	1400442	17.901	99	50 - 200	-0.1780	+/-0.50	
Chrysene-d12	617749	21.395	1153654	21.538	54	50 - 200	-0.1430	+/-0.50	
Perylene-d12	172636	23.015	991596	23.211	17	50 - 200	-0.1960	+/-0.50	*

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J15031

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J15031-CCV1)			**Lab File ID: 10bna1014.D**			**Analyzed: 10/14/14 08:02**			
1,4-Dichlorobenzene-d4	345842	7.591	403279	7.614	86	50 - 200	-0.0230	+/-0.50	
Naphthalene-d8	1320623	10.336	1529030	10.359	86	50 - 200	-0.0230	+/-0.50	
Acenaphthene-d10	715604	14.451	866604	14.474	83	50 - 200	-0.0230	+/-0.50	
Phenanthrene-d10	1066225	17.873	1400442	17.901	76	50 - 200	-0.0280	+/-0.50	
Chrysene-d12	774577	21.498	1153654	21.538	67	50 - 200	-0.0400	+/-0.50	
Perylene-d12	605074	23.159	991596	23.211	61	50 - 200	-0.0520	+/-0.50	
Calibration Check (4J15031-CCV2)			**Lab File ID: 10ab1014.D**			**Analyzed: 10/14/14 08:34**			
1,4-Dichlorobenzene-d4	375030	7.591	403279	7.614	93	50 - 200	-0.0230	+/-0.50	
Naphthalene-d8	1447819	10.331	1529030	10.359	95	50 - 200	-0.0280	+/-0.50	
Acenaphthene-d10	745767	14.44	866604	14.474	86	50 - 200	-0.0340	+/-0.50	
Phenanthrene-d10	1066749	17.867	1400442	17.901	76	50 - 200	-0.0340	+/-0.50	
Chrysene-d12	789409	21.493	1153654	21.538	68	50 - 200	-0.0450	+/-0.50	
Perylene-d12	610762	23.154	991596	23.211	62	50 - 200	-0.0570	+/-0.50	
Matrix Spike Dup (1410563-MSD1)			**Lab File ID: 1410563-msd1.D**			**Analyzed: 10/14/14 09:37**			
1,4-Dichlorobenzene-d4	296115	7.62	403279	7.614	73	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	1117211	10.336	1529030	10.359	73	50 - 200	-0.0230	+/-0.50	
Acenaphthene-d10	618921	14.446	866604	14.474	71	50 - 200	-0.0280	+/-0.50	
Phenanthrene-d10	928445	17.867	1400442	17.901	66	50 - 200	-0.0340	+/-0.50	
Chrysene-d12	763408	21.492	1153654	21.538	66	50 - 200	-0.0460	+/-0.50	
Perylene-d12	504181	23.154	991596	23.211	51	50 - 200	-0.0570	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J15034

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J15034-CCV1)			**Lab File ID: 10bna1014.D**			**Analyzed: 10/14/14 13:35**			
1,4-Dichlorobenzene-d4	451903	7.568	403279	7.614	112	50 - 200	-0.0460	+/-0.50	
Naphthalene-d8	1732126	10.313	1529030	10.359	113	50 - 200	-0.0460	+/-0.50	
Acenaphthene-d10	915901	14.416	866604	14.474	106	50 - 200	-0.0580	+/-0.50	
Phenanthrene-d10	1356308	17.844	1400442	17.901	97	50 - 200	-0.0570	+/-0.50	
Chrysene-d12	1040772	21.475	1153654	21.538	90	50 - 200	-0.0630	+/-0.50	
Perylene-d12	887477	23.13	991596	23.211	89	50 - 200	-0.0810	+/-0.50	
Calibration Check (4J15034-CCV2)			**Lab File ID: 10ab1014.D**			**Analyzed: 10/14/14 14:08**			
1,4-Dichlorobenzene-d4	499398	7.568	403279	7.614	124	50 - 200	-0.0460	+/-0.50	
Naphthalene-d8	1942081	10.307	1529030	10.359	127	50 - 200	-0.0520	+/-0.50	
Acenaphthene-d10	1034291	14.41	866604	14.474	119	50 - 200	-0.0640	+/-0.50	
Phenanthrene-d10	1473625	17.844	1400442	17.901	105	50 - 200	-0.0570	+/-0.50	
Chrysene-d12	1152047	21.475	1153654	21.538	100	50 - 200	-0.0630	+/-0.50	
Perylene-d12	936301	23.13	991596	23.211	94	50 - 200	-0.0810	+/-0.50	
GA-TU13SB10-34 (1410014-06RE1)			**Lab File ID: 1410014-06 2x.D**			**Analyzed: 10/14/14 15:43**			
1,4-Dichlorobenzene-d4	366933	7.585	403279	7.614	91	50 - 200	-0.0290	+/-0.50	
Naphthalene-d8	1407369	10.307	1529030	10.359	92	50 - 200	-0.0520	+/-0.50	
Acenaphthene-d10	775472	14.411	866604	14.474	89	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	1126652	17.838	1400442	17.901	80	50 - 200	-0.0630	+/-0.50	
Chrysene-d12	878737	21.469	1153654	21.538	76	50 - 200	-0.0690	+/-0.50	
Perylene-d12	670033	23.13	991596	23.211	68	50 - 200	-0.0810	+/-0.50	
GA-TU13SB04-07 (1409479-05RE3)			**Lab File ID: 1409479-05re2 20x.D**			**Analyzed: 10/14/14 16:15**			
1,4-Dichlorobenzene-d4	389191	7.574	403279	7.614	97	50 - 200	-0.0400	+/-0.50	
Naphthalene-d8	1534026	10.307	1529030	10.359	100	50 - 200	-0.0520	+/-0.50	
Acenaphthene-d10	842753	14.411	866604	14.474	97	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	1282794	17.838	1400442	17.901	92	50 - 200	-0.0630	+/-0.50	
Chrysene-d12	920805	21.469	1153654	21.538	80	50 - 200	-0.0690	+/-0.50	
Perylene-d12	642725	23.124	991596	23.211	65	50 - 200	-0.0870	+/-0.50	
GA-TU13SB04-07 (1409479-05RE1)			**Lab File ID: 1409479-05 20x.D**			**Analyzed: 10/14/14 16:47**			
1,4-Dichlorobenzene-d4	443820	7.58	403279	7.614	110	50 - 200	-0.0340	+/-0.50	
Naphthalene-d8	1737830	10.307	1529030	10.359	114	50 - 200	-0.0520	+/-0.50	
Acenaphthene-d10	976936	14.411	866604	14.474	113	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	1507372	17.844	1400442	17.901	108	50 - 200	-0.0570	+/-0.50	
Chrysene-d12	1112548	21.469	1153654	21.538	96	50 - 200	-0.0690	+/-0.50	
Perylene-d12	610290	23.124	991596	23.211	62	50 - 200	-0.0870	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J15034

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU16SB30-08 (1409499-02RE1)			**Lab File ID: 1409499-02 2x.D**			**Analyzed: 10/14/14 17:19**			
1,4-Dichlorobenzene-d4	397099	7.585	403279	7.614	98	50 - 200	-0.0290	+/-0.50	
Naphthalene-d8	1547161	10.307	1529030	10.359	101	50 - 200	-0.0520	+/-0.50	
Acenaphthene-d10	873758	14.411	866604	14.474	101	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	1323531	17.838	1400442	17.901	95	50 - 200	-0.0630	+/-0.50	
Chrysene-d12	962085	21.469	1153654	21.538	83	50 - 200	-0.0690	+/-0.50	
Perylene-d12	610493	23.125	991596	23.211	62	50 - 200	-0.0860	+/-0.50	
GA-TU16SB32-17 (1409499-04RE1)			**Lab File ID: 1409499-04 2x.D**			**Analyzed: 10/14/14 17:52**			
1,4-Dichlorobenzene-d4	403465	7.585	403279	7.614	100	50 - 200	-0.0290	+/-0.50	
Naphthalene-d8	1571199	10.307	1529030	10.359	103	50 - 200	-0.0520	+/-0.50	
Acenaphthene-d10	881489	14.411	866604	14.474	102	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	1322219	17.838	1400442	17.901	94	50 - 200	-0.0630	+/-0.50	
Chrysene-d12	923307	21.469	1153654	21.538	80	50 - 200	-0.0690	+/-0.50	
Perylene-d12	595360	23.124	991596	23.211	60	50 - 200	-0.0870	+/-0.50	
GA-TU13SB03-12 (1409479-08)			**Lab File ID: 1409479-08 10x.D**			**Analyzed: 10/14/14 18:24**			
1,4-Dichlorobenzene-d4	506109	7.574	403279	7.614	125	50 - 200	-0.0400	+/-0.50	
Naphthalene-d8	1957043	10.307	1529030	10.359	128	50 - 200	-0.0520	+/-0.50	
Acenaphthene-d10	1068730	14.411	866604	14.474	123	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	1576791	17.844	1400442	17.901	113	50 - 200	-0.0570	+/-0.50	
Chrysene-d12	1063331	21.469	1153654	21.538	92	50 - 200	-0.0690	+/-0.50	
Perylene-d12	566169	23.125	991596	23.211	57	50 - 200	-0.0860	+/-0.50	
GA-TU13SB07-08 (1409479-14)			**Lab File ID: 1409479-14 10x.D**			**Analyzed: 10/14/14 18:56**			
1,4-Dichlorobenzene-d4	505671	7.574	403279	7.614	125	50 - 200	-0.0400	+/-0.50	
Naphthalene-d8	1976185	10.307	1529030	10.359	129	50 - 200	-0.0520	+/-0.50	
Acenaphthene-d10	1105456	14.411	866604	14.474	128	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	1670968	17.844	1400442	17.901	119	50 - 200	-0.0570	+/-0.50	
Chrysene-d12	1140251	21.469	1153654	21.538	99	50 - 200	-0.0690	+/-0.50	
Perylene-d12	547224	23.125	991596	23.211	55	50 - 200	-0.0860	+/-0.50	
GA-TU16SB29-44DUP (1409499-11)			**Lab File ID: 1409499-11.D**			**Analyzed: 10/14/14 19:28**			
1,4-Dichlorobenzene-d4	368248	7.591	403279	7.614	91	50 - 200	-0.0230	+/-0.50	
Naphthalene-d8	1360028	10.307	1529030	10.359	89	50 - 200	-0.0520	+/-0.50	
Acenaphthene-d10	734820	14.411	866604	14.474	85	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	1080926	17.838	1400442	17.901	77	50 - 200	-0.0630	+/-0.50	
Chrysene-d12	735627	21.469	1153654	21.538	64	50 - 200	-0.0690	+/-0.50	
Perylene-d12	384487	23.124	991596	23.211	39	50 - 200	-0.0870	+/-0.50	*

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J15034

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB8-15 (1410014-01RE1)			**Lab File ID: 1410014-01 5x.D**			**Analyzed: 10/14/14 20:33**			
1,4-Dichlorobenzene-d4	437852	7.574	403279	7.614	109	50 - 200	-0.0400	+/-0.50	
Naphthalene-d8	1718022	10.307	1529030	10.359	112	50 - 200	-0.0520	+/-0.50	
Acenaphthene-d10	963148	14.411	866604	14.474	111	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	1466946	17.844	1400442	17.901	105	50 - 200	-0.0570	+/-0.50	
Chrysene-d12	1013517	21.469	1153654	21.538	88	50 - 200	-0.0690	+/-0.50	
Perylene-d12	507100	23.124	991596	23.211	51	50 - 200	-0.0870	+/-0.50	
GA-TU16SB31-08 (1409499-03)			**Lab File ID: 1409499-03 5x.D**			**Analyzed: 10/14/14 22:41**			
1,4-Dichlorobenzene-d4	438033	7.574	403279	7.614	109	50 - 200	-0.0400	+/-0.50	
Naphthalene-d8	1737292	10.301	1529030	10.359	114	50 - 200	-0.0580	+/-0.50	
Acenaphthene-d10	976392	14.411	866604	14.474	113	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	1363777	17.844	1400442	17.901	97	50 - 200	-0.0570	+/-0.50	
Chrysene-d12	795754	21.469	1153654	21.538	69	50 - 200	-0.0690	+/-0.50	
Perylene-d12	288174	23.124	991596	23.211	29	50 - 200	-0.0870	+/-0.50	*
GA-TU13SB04-07 (1409479-05RE2)			**Lab File ID: 1409479-05re2.D**			**Analyzed: 10/14/14 23:13**			
1,4-Dichlorobenzene-d4	382211	7.62	403279	7.614	95	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	1476339	10.307	1529030	10.359	97	50 - 200	-0.0520	+/-0.50	
Acenaphthene-d10	839138	14.411	866604	14.474	97	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	1229489	17.844	1400442	17.901	88	50 - 200	-0.0570	+/-0.50	
Chrysene-d12	490072	21.469	1153654	21.538	42	50 - 200	-0.0690	+/-0.50	*
Perylene-d12	117968	23.125	991596	23.211	12	50 - 200	-0.0860	+/-0.50	*

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J17060
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J17060-CCV1)			**Lab File ID: 10bna1017.D**			**Analyzed: 10/17/14 08:07**			
1,4-Dichlorobenzene-d4	542400	7.544	403279	7.614	134	50 - 200	-0.0700	+/-0.50	
Naphthalene-d8	2115281	10.295	1529030	10.359	138	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	1185645	14.41	866604	14.474	137	50 - 200	-0.0640	+/-0.50	
Phenanthrene-d10	1788211	17.843	1400442	17.901	128	50 - 200	-0.0580	+/-0.50	
Chrysene-d12	1361432	21.48	1153654	21.538	118	50 - 200	-0.0580	+/-0.50	
Perylene-d12	1198124	23.135	991596	23.211	121	50 - 200	-0.0760	+/-0.50	
Calibration Check (4J17060-CCV2)			**Lab File ID: 10ab1017.D**			**Analyzed: 10/17/14 08:40**			
1,4-Dichlorobenzene-d4	582610	7.538	403279	7.614	144	50 - 200	-0.0760	+/-0.50	
Naphthalene-d8	2500054	10.289	1529030	10.359	164	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	1349163	14.404	866604	14.474	156	50 - 200	-0.0700	+/-0.50	
Phenanthrene-d10	2275839	17.837	1400442	17.901	163	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1973178	21.474	1153654	21.538	171	50 - 200	-0.0640	+/-0.50	
Perylene-d12	1544105	23.135	991596	23.211	156	50 - 200	-0.0760	+/-0.50	
Blank (1410563-BLK2)			**Lab File ID: 1410563-blk2.D**			**Analyzed: 10/17/14 09:09**			
1,4-Dichlorobenzene-d4	420882	7.59	403279	7.614	104	50 - 200	-0.0240	+/-0.50	
Naphthalene-d8	1591712	10.295	1529030	10.359	104	50 - 200	-0.0640	+/-0.50	
Acenaphthene-d10	906452	14.398	866604	14.474	105	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1365680	17.831	1400442	17.901	98	50 - 200	-0.0700	+/-0.50	
Chrysene-d12	1378419	21.474	1153654	21.538	119	50 - 200	-0.0640	+/-0.50	
Perylene-d12	1066171	23.129	991596	23.211	108	50 - 200	-0.0820	+/-0.50	
GA-TU16SB29-44DUP (1409499-11RE1)			**Lab File ID: 1409499-11 2x.D**			**Analyzed: 10/17/14 10:34**			
1,4-Dichlorobenzene-d4	424213	7.561	403279	7.614	105	50 - 200	-0.0530	+/-0.50	
Naphthalene-d8	1693754	10.289	1529030	10.359	111	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	924265	14.398	866604	14.474	107	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1290896	17.837	1400442	17.901	92	50 - 200	-0.0640	+/-0.50	
Chrysene-d12	1082475	21.474	1153654	21.538	94	50 - 200	-0.0640	+/-0.50	
Perylene-d12	836462	23.129	991596	23.211	84	50 - 200	-0.0820	+/-0.50	
GA-TU13SB05-12 (1409479-17RE1)			**Lab File ID: 1409479-17 40x.D**			**Analyzed: 10/17/14 12:08**			
1,4-Dichlorobenzene-d4	470423	7.544	403279	7.614	117	50 - 200	-0.0700	+/-0.50	
Naphthalene-d8	1970453	10.289	1529030	10.359	129	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	1064516	14.398	866604	14.474	123	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1535813	17.831	1400442	17.901	110	50 - 200	-0.0700	+/-0.50	
Chrysene-d12	1320967	21.468	1153654	21.538	115	50 - 200	-0.0700	+/-0.50	
Perylene-d12	795801	23.129	991596	23.211	80	50 - 200	-0.0820	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J17060

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB10-15 (1410014-05RE1)			**Lab File ID: 1410014-05 10x.D**			**Analyzed: 10/17/14 12:40**			
1,4-Dichlorobenzene-d4	421995	7.538	403279	7.614	105	50 - 200	-0.0760	+/-0.50	
Naphthalene-d8	1727316	10.289	1529030	10.359	113	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	940693	14.398	866604	14.474	109	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1338807	17.831	1400442	17.901	96	50 - 200	-0.0700	+/-0.50	
Chrysene-d12	1141938	21.468	1153654	21.538	99	50 - 200	-0.0700	+/-0.50	
Perylene-d12	694147	23.124	991596	23.211	70	50 - 200	-0.0870	+/-0.50	
GA-TU16SB33-10 (1409499-05RE1)			**Lab File ID: 1409499-05 10x.D**			**Analyzed: 10/17/14 13:13**			
1,4-Dichlorobenzene-d4	425627	7.538	403279	7.614	106	50 - 200	-0.0760	+/-0.50	
Naphthalene-d8	1752409	10.289	1529030	10.359	115	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	937464	14.398	866604	14.474	108	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1343437	17.831	1400442	17.901	96	50 - 200	-0.0700	+/-0.50	
Chrysene-d12	1204435	21.468	1153654	21.538	104	50 - 200	-0.0700	+/-0.50	
Perylene-d12	835028	23.124	991596	23.211	84	50 - 200	-0.0870	+/-0.50	
GA-TU16SB31-08 (1409499-03RE1)			**Lab File ID: 1409499-03 10x.D**			**Analyzed: 10/17/14 13:46**			
1,4-Dichlorobenzene-d4	434982	7.538	403279	7.614	108	50 - 200	-0.0760	+/-0.50	
Naphthalene-d8	1822920	10.289	1529030	10.359	119	50 - 200	-0.0700	+/-0.50	
Acenaphthene-d10	1001490	14.398	866604	14.474	116	50 - 200	-0.0760	+/-0.50	
Phenanthrene-d10	1357811	17.831	1400442	17.901	97	50 - 200	-0.0700	+/-0.50	
Chrysene-d12	1212485	21.468	1153654	21.538	105	50 - 200	-0.0700	+/-0.50	
Perylene-d12	541587	23.124	991596	23.211	55	50 - 200	-0.0870	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J21016

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J21016-CCV1)			**Lab File ID: 10bna1020b.D**			**Analyzed: 10/20/14 17:41**			
1,4-Dichlorobenzene-d4	407648	7.64	403279	7.614	101	50 - 200	0.0260	+/-0.50	
Naphthalene-d8	1589495	10.391	1529030	10.359	104	50 - 200	0.0320	+/-0.50	
Acenaphthene-d10	892327	14.501	866604	14.474	103	50 - 200	0.0270	+/-0.50	
Phenanthrene-d10	1383420	17.916	1400442	17.901	99	50 - 200	0.0150	+/-0.50	
Chrysene-d12	1114896	21.53	1153654	21.538	97	50 - 200	-0.0080	+/-0.50	
Perylene-d12	927614	23.203	991596	23.211	94	50 - 200	-0.0080	+/-0.50	
Calibration Check (4J21016-CCV2)			**Lab File ID: 10ab1020.D**			**Analyzed: 10/20/14 18:13**			
1,4-Dichlorobenzene-d4	470517	7.646	403279	7.614	117	50 - 200	0.0320	+/-0.50	
Naphthalene-d8	1854205	10.386	1529030	10.359	121	50 - 200	0.0270	+/-0.50	
Acenaphthene-d10	1013006	14.495	866604	14.474	117	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1551533	17.91	1400442	17.901	111	50 - 200	0.0090	+/-0.50	
Chrysene-d12	1199284	21.518	1153654	21.538	104	50 - 200	-0.0200	+/-0.50	
Perylene-d12	941171	23.197	991596	23.211	95	50 - 200	-0.0140	+/-0.50	
Blank (1410920-BLK1)			**Lab File ID: 1410920-blk1.D**			**Analyzed: 10/20/14 18:45**			
1,4-Dichlorobenzene-d4	317598	7.663	403279	7.614	79	50 - 200	0.0490	+/-0.50	
Naphthalene-d8	1214111	10.385	1529030	10.359	79	50 - 200	0.0260	+/-0.50	
Acenaphthene-d10	662543	14.495	866604	14.474	76	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	998646	17.91	1400442	17.901	71	50 - 200	0.0090	+/-0.50	
Chrysene-d12	835462	21.518	1153654	21.538	72	50 - 200	-0.0200	+/-0.50	
Perylene-d12	677921	23.197	991596	23.211	68	50 - 200	-0.0140	+/-0.50	
LCS (1410920-BS1)			**Lab File ID: 1410920-bs1.D**			**Analyzed: 10/20/14 19:17**			
1,4-Dichlorobenzene-d4	322397	7.669	403279	7.614	80	50 - 200	0.0550	+/-0.50	
Naphthalene-d8	1229568	10.391	1529030	10.359	80	50 - 200	0.0320	+/-0.50	
Acenaphthene-d10	675603	14.5	866604	14.474	78	50 - 200	0.0260	+/-0.50	
Phenanthrene-d10	1108720	17.91	1400442	17.901	79	50 - 200	0.0090	+/-0.50	
Chrysene-d12	901443	21.524	1153654	21.538	78	50 - 200	-0.0140	+/-0.50	
Perylene-d12	766762	23.197	991596	23.211	77	50 - 200	-0.0140	+/-0.50	
LCS (1410563-BS2)			**Lab File ID: 1410563-bs2.D**			**Analyzed: 10/20/14 19:49**			
1,4-Dichlorobenzene-d4	376362	7.687	403279	7.614	93	50 - 200	0.0730	+/-0.50	
Naphthalene-d8	1409329	10.38	1529030	10.359	92	50 - 200	0.0210	+/-0.50	
Acenaphthene-d10	831551	14.495	866604	14.474	96	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1295277	17.916	1400442	17.901	92	50 - 200	0.0150	+/-0.50	
Chrysene-d12	1083452	21.53	1153654	21.538	94	50 - 200	-0.0080	+/-0.50	
Perylene-d12	947818	23.203	991596	23.211	96	50 - 200	-0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J21016

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB11-34 (1410014-08RE1)			**Lab File ID: 1410014-08 20x.D**			**Analyzed: 10/20/14 20:22**			
1,4-Dichlorobenzene-d4	356893	7.64	403279	7.614	88	50 - 200	0.0260	+/-0.50	
Naphthalene-d8	1383866	10.385	1529030	10.359	91	50 - 200	0.0260	+/-0.50	
Acenaphthene-d10	758863	14.495	866604	14.474	88	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1153747	17.91	1400442	17.901	82	50 - 200	0.0090	+/-0.50	
Chrysene-d12	892485	21.518	1153654	21.538	77	50 - 200	-0.0200	+/-0.50	
Perylene-d12	638204	23.197	991596	23.211	64	50 - 200	-0.0140	+/-0.50	
GA-TU13SB11-34 (1410014-08RE3)			**Lab File ID: 1410014-08re2 20x.D**			**Analyzed: 10/20/14 20:54**			
1,4-Dichlorobenzene-d4	347940	7.646	403279	7.614	86	50 - 200	0.0320	+/-0.50	
Naphthalene-d8	1340251	10.386	1529030	10.359	88	50 - 200	0.0270	+/-0.50	
Acenaphthene-d10	721036	14.495	866604	14.474	83	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1088113	17.91	1400442	17.901	78	50 - 200	0.0090	+/-0.50	
Chrysene-d12	828821	21.518	1153654	21.538	72	50 - 200	-0.0200	+/-0.50	
Perylene-d12	590700	23.197	991596	23.211	60	50 - 200	-0.0140	+/-0.50	
GA-TU13SB13-20 (1410025-03)			**Lab File ID: 1410025-03.D**			**Analyzed: 10/20/14 21:26**			
1,4-Dichlorobenzene-d4	349129	7.664	403279	7.614	87	50 - 200	0.0500	+/-0.50	
Naphthalene-d8	1372201	10.385	1529030	10.359	90	50 - 200	0.0260	+/-0.50	
Acenaphthene-d10	758395	14.495	866604	14.474	88	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1240831	17.91	1400442	17.901	89	50 - 200	0.0090	+/-0.50	
Chrysene-d12	1027425	21.518	1153654	21.538	89	50 - 200	-0.0200	+/-0.50	
Perylene-d12	754226	23.197	991596	23.211	76	50 - 200	-0.0140	+/-0.50	
GA-TU13SB13-34 (1410025-04)			**Lab File ID: 1410025-04.D**			**Analyzed: 10/20/14 21:58**			
1,4-Dichlorobenzene-d4	379454	7.664	403279	7.614	94	50 - 200	0.0500	+/-0.50	
Naphthalene-d8	1485994	10.386	1529030	10.359	97	50 - 200	0.0270	+/-0.50	
Acenaphthene-d10	809684	14.495	866604	14.474	93	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1257826	17.91	1400442	17.901	90	50 - 200	0.0090	+/-0.50	
Chrysene-d12	1028410	21.518	1153654	21.538	89	50 - 200	-0.0200	+/-0.50	
Perylene-d12	780617	23.197	991596	23.211	79	50 - 200	-0.0140	+/-0.50	
GA-TU13SB12-15 (1410025-01)			**Lab File ID: 1410025-01.D**			**Analyzed: 10/20/14 22:30**			
1,4-Dichlorobenzene-d4	359740	7.669	403279	7.614	89	50 - 200	0.0550	+/-0.50	
Naphthalene-d8	1398463	10.391	1529030	10.359	91	50 - 200	0.0320	+/-0.50	
Acenaphthene-d10	766472	14.495	866604	14.474	88	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1185374	17.91	1400442	17.901	85	50 - 200	0.0090	+/-0.50	
Chrysene-d12	904103	21.518	1153654	21.538	78	50 - 200	-0.0200	+/-0.50	
Perylene-d12	615968	23.197	991596	23.211	62	50 - 200	-0.0140	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J21016

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB14-34DUP (1410025-07)			**Lab File ID: 1410025-07.D**			**Analyzed: 10/20/14 23:02**			
1,4-Dichlorobenzene-d4	376929	7.664	403279	7.614	93	50 - 200	0.0500	+/-0.50	
Naphthalene-d8	1476144	10.386	1529030	10.359	97	50 - 200	0.0270	+/-0.50	
Acenaphthene-d10	798633	14.489	866604	14.474	92	50 - 200	0.0150	+/-0.50	
Phenanthrene-d10	1231890	17.91	1400442	17.901	88	50 - 200	0.0090	+/-0.50	
Chrysene-d12	886253	21.518	1153654	21.538	77	50 - 200	-0.0200	+/-0.50	
Perylene-d12	499243	23.197	991596	23.211	50	50 - 200	-0.0140	+/-0.50	
GA-TU17SB34-37 (1410085-02)			**Lab File ID: 1410085-02.D**			**Analyzed: 10/20/14 23:34**			
1,4-Dichlorobenzene-d4	366731	7.669	403279	7.614	91	50 - 200	0.0550	+/-0.50	
Naphthalene-d8	1444970	10.391	1529030	10.359	95	50 - 200	0.0320	+/-0.50	
Acenaphthene-d10	791714	14.495	866604	14.474	91	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1265893	17.91	1400442	17.901	90	50 - 200	0.0090	+/-0.50	
Chrysene-d12	975421	21.518	1153654	21.538	85	50 - 200	-0.0200	+/-0.50	
Perylene-d12	542492	23.197	991596	23.211	55	50 - 200	-0.0140	+/-0.50	
GA-TU17SB35-15 (1410085-04)			**Lab File ID: 1410085-04.D**			**Analyzed: 10/21/14 00:05**			
1,4-Dichlorobenzene-d4	382510	7.669	403279	7.614	95	50 - 200	0.0550	+/-0.50	
Naphthalene-d8	1471506	10.391	1529030	10.359	96	50 - 200	0.0320	+/-0.50	
Acenaphthene-d10	805310	14.495	866604	14.474	93	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1225597	17.91	1400442	17.901	88	50 - 200	0.0090	+/-0.50	
Chrysene-d12	859621	21.518	1153654	21.538	75	50 - 200	-0.0200	+/-0.50	
Perylene-d12	364169	23.191	991596	23.211	37	50 - 200	-0.0200	+/-0.50	*
GA-TU17SB36-20 (1410085-05)			**Lab File ID: 1410085-05.D**			**Analyzed: 10/21/14 00:37**			
1,4-Dichlorobenzene-d4	376977	7.669	403279	7.614	93	50 - 200	0.0550	+/-0.50	
Naphthalene-d8	1463492	10.391	1529030	10.359	96	50 - 200	0.0320	+/-0.50	
Acenaphthene-d10	785798	14.495	866604	14.474	91	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1231154	17.91	1400442	17.901	88	50 - 200	0.0090	+/-0.50	
Chrysene-d12	914970	21.518	1153654	21.538	79	50 - 200	-0.0200	+/-0.50	
Perylene-d12	368025	23.191	991596	23.211	37	50 - 200	-0.0200	+/-0.50	*
GA-TU17SB38-15 (1410085-06)			**Lab File ID: 1410085-06.D**			**Analyzed: 10/21/14 01:10**			
1,4-Dichlorobenzene-d4	369752	7.669	403279	7.614	92	50 - 200	0.0550	+/-0.50	
Naphthalene-d8	1441591	10.391	1529030	10.359	94	50 - 200	0.0320	+/-0.50	
Acenaphthene-d10	774440	14.495	866604	14.474	89	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1216728	17.91	1400442	17.901	87	50 - 200	0.0090	+/-0.50	
Chrysene-d12	858106	21.518	1153654	21.538	74	50 - 200	-0.0200	+/-0.50	
Perylene-d12	295472	23.197	991596	23.211	30	50 - 200	-0.0140	+/-0.50	*

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J21016

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB12-34 (1410025-02)			**Lab File ID: 1410025-02.D**			**Analyzed: 10/21/14 01:42**			
1,4-Dichlorobenzene-d4	382585	7.669	403279	7.614	95	50 - 200	0.0550	+/-0.50	
Naphthalene-d8	1463554	10.391	1529030	10.359	96	50 - 200	0.0320	+/-0.50	
Acenaphthene-d10	795151	14.489	866604	14.474	92	50 - 200	0.0150	+/-0.50	
Phenanthrene-d10	1217570	17.91	1400442	17.901	87	50 - 200	0.0090	+/-0.50	
Chrysene-d12	791058	21.518	1153654	21.538	69	50 - 200	-0.0200	+/-0.50	
Perylene-d12	315010	23.191	991596	23.211	32	50 - 200	-0.0200	+/-0.50	*
GA-TU13SB14-15 (1410025-05)			**Lab File ID: 1410025-05.D**			**Analyzed: 10/21/14 02:14**			
1,4-Dichlorobenzene-d4	365361	7.663	403279	7.614	91	50 - 200	0.0490	+/-0.50	
Naphthalene-d8	1433918	10.385	1529030	10.359	94	50 - 200	0.0260	+/-0.50	
Acenaphthene-d10	793440	14.495	866604	14.474	92	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1209585	17.91	1400442	17.901	86	50 - 200	0.0090	+/-0.50	
Chrysene-d12	611008	21.518	1153654	21.538	53	50 - 200	-0.0200	+/-0.50	
Perylene-d12	166733	23.197	991596	23.211	17	50 - 200	-0.0140	+/-0.50	*
GA-TU13SB14-34 (1410025-06)			**Lab File ID: 1410025-06.D**			**Analyzed: 10/21/14 02:46**			
1,4-Dichlorobenzene-d4	398824	7.669	403279	7.614	99	50 - 200	0.0550	+/-0.50	
Naphthalene-d8	1571959	10.385	1529030	10.359	103	50 - 200	0.0260	+/-0.50	
Acenaphthene-d10	868604	14.495	866604	14.474	100	50 - 200	0.0210	+/-0.50	
Phenanthrene-d10	1387911	17.91	1400442	17.901	99	50 - 200	0.0090	+/-0.50	
Chrysene-d12	752752	21.518	1153654	21.538	65	50 - 200	-0.0200	+/-0.50	
Perylene-d12	220124	23.197	991596	23.211	22	50 - 200	-0.0140	+/-0.50	*
GA-TU13SB11-34 (1410014-08RE2)			**Lab File ID: 1410014-08re2.D**			**Analyzed: 10/21/14 03:18**			
1,4-Dichlorobenzene-d4	369272	7.681	403279	7.614	92	50 - 200	0.0670	+/-0.50	
Naphthalene-d8	1396052	10.38	1529030	10.359	91	50 - 200	0.0210	+/-0.50	
Acenaphthene-d10	824900	14.489	866604	14.474	95	50 - 200	0.0150	+/-0.50	
Phenanthrene-d10	1257278	17.91	1400442	17.901	90	50 - 200	0.0090	+/-0.50	
Chrysene-d12	630523	21.518	1153654	21.538	55	50 - 200	-0.0200	+/-0.50	
Perylene-d12	197467	23.197	991596	23.211	20	50 - 200	-0.0140	+/-0.50	*

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J21047

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J21047-CCV1)			**Lab File ID: 10c1021.D**			**Analyzed: 10/21/14 12:52**			
1,4-Dichlorobenzene-d4	456151	7.611	403279	7.614	113	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1748646	10.356	1529030	10.359	114	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	964891	14.471	866604	14.474	111	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1469197	17.887	1400442	17.901	105	50 - 200	-0.0140	+/-0.50	
Chrysene-d12	1115079	21.507	1153654	21.538	97	50 - 200	-0.0310	+/-0.50	
Perylene-d12	797372	23.179	991596	23.211	80	50 - 200	-0.0320	+/-0.50	
Calibration Check (4J21047-CCV2)			**Lab File ID: 10ab1021b.D**			**Analyzed: 10/21/14 13:24**			
1,4-Dichlorobenzene-d4	608588	7.611	403279	7.614	151	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2377497	10.357	1529030	10.359	155	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1280012	14.466	866604	14.474	148	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1806752	17.887	1400442	17.901	129	50 - 200	-0.0140	+/-0.50	
Chrysene-d12	1358359	21.501	1153654	21.538	118	50 - 200	-0.0370	+/-0.50	
Perylene-d12	937530	23.174	991596	23.211	95	50 - 200	-0.0370	+/-0.50	
GA-TU13SB12-34 (1410025-02RE1)			**Lab File ID: 1410025-02 5x.D**			**Analyzed: 10/21/14 16:03**			
1,4-Dichlorobenzene-d4	422206	7.617	403279	7.614	105	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1668832	10.35	1529030	10.359	109	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	908512	14.46	866604	14.474	105	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	1356427	17.881	1400442	17.901	97	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	1047875	21.501	1153654	21.538	91	50 - 200	-0.0370	+/-0.50	
Perylene-d12	663492	23.173	991596	23.211	67	50 - 200	-0.0380	+/-0.50	
GA-TU13SB14-15 (1410025-05RE1)			**Lab File ID: 1410025-05 5x.D**			**Analyzed: 10/21/14 16:35**			
1,4-Dichlorobenzene-d4	421606	7.617	403279	7.614	105	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1658635	10.351	1529030	10.359	108	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	911882	14.46	866604	14.474	105	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	1428496	17.881	1400442	17.901	102	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	1086593	21.501	1153654	21.538	94	50 - 200	-0.0370	+/-0.50	
Perylene-d12	598624	23.174	991596	23.211	60	50 - 200	-0.0370	+/-0.50	
GA-TU13SB14-34 (1410025-06RE1)			**Lab File ID: 1410025-06 5x.D**			**Analyzed: 10/21/14 17:08**			
1,4-Dichlorobenzene-d4	419454	7.617	403279	7.614	104	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1669103	10.351	1529030	10.359	109	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	944235	14.46	866604	14.474	109	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	1476289	17.881	1400442	17.901	105	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	1168536	21.501	1153654	21.538	101	50 - 200	-0.0370	+/-0.50	
Perylene-d12	729973	23.174	991596	23.211	74	50 - 200	-0.0370	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J21047

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU17SB34-37 (1410085-02RE1)			**Lab File ID: 1410085-02 2x.D**			**Analyzed: 10/21/14 18:44**			
1,4-Dichlorobenzene-d4	403193	7.628	403279	7.614	100	50 - 200	0.0140	+/-0.50	
Naphthalene-d8	1601695	10.35	1529030	10.359	105	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	908259	14.46	866604	14.474	105	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	1453679	17.881	1400442	17.901	104	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	1158178	21.501	1153654	21.538	100	50 - 200	-0.0370	+/-0.50	
Perylene-d12	776839	23.173	991596	23.211	78	50 - 200	-0.0380	+/-0.50	
GA-TU17SB35-15 (1410085-04RE1)			**Lab File ID: 1410085-04 2x.D**			**Analyzed: 10/21/14 19:16**			
1,4-Dichlorobenzene-d4	407720	7.629	403279	7.614	101	50 - 200	0.0150	+/-0.50	
Naphthalene-d8	1613251	10.351	1529030	10.359	106	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	903591	14.46	866604	14.474	104	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	1461541	17.881	1400442	17.901	104	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	1132420	21.501	1153654	21.538	98	50 - 200	-0.0370	+/-0.50	
Perylene-d12	770724	23.174	991596	23.211	78	50 - 200	-0.0370	+/-0.50	
GA-TU17SB36-20 (1410085-05RE1)			**Lab File ID: 1410085-05 2x.D**			**Analyzed: 10/21/14 19:49**			
1,4-Dichlorobenzene-d4	433558	7.629	403279	7.614	108	50 - 200	0.0150	+/-0.50	
Naphthalene-d8	1681749	10.356	1529030	10.359	110	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	954697	14.46	866604	14.474	110	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	1507135	17.881	1400442	17.901	108	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	1167894	21.501	1153654	21.538	101	50 - 200	-0.0370	+/-0.50	
Perylene-d12	770684	23.174	991596	23.211	78	50 - 200	-0.0370	+/-0.50	
GA-TU17SB38-15 (1410085-06RE1)			**Lab File ID: 1410085-06 2x.D**			**Analyzed: 10/21/14 20:21**			
1,4-Dichlorobenzene-d4	414038	7.629	403279	7.614	103	50 - 200	0.0150	+/-0.50	
Naphthalene-d8	1629371	10.351	1529030	10.359	107	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	912002	14.46	866604	14.474	105	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	1469092	17.881	1400442	17.901	105	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	1168194	21.501	1153654	21.538	101	50 - 200	-0.0370	+/-0.50	
Perylene-d12	753486	23.174	991596	23.211	76	50 - 200	-0.0370	+/-0.50	
GA-TU017SB38-15DUP (1410085-09)			**Lab File ID: 1410085-09.D**			**Analyzed: 10/21/14 20:53**			
1,4-Dichlorobenzene-d4	434538	7.635	403279	7.614	108	50 - 200	0.0210	+/-0.50	
Naphthalene-d8	1719224	10.356	1529030	10.359	112	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	977672	14.46	866604	14.474	113	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	1624305	17.881	1400442	17.901	116	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	1288786	21.501	1153654	21.538	112	50 - 200	-0.0370	+/-0.50	
Perylene-d12	822345	23.174	991596	23.211	83	50 - 200	-0.0370	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J21047

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU017SB34-37DUP (1410085-08)			**Lab File ID: 1410085-08.D**			**Analyzed: 10/21/14 22:29**			
1,4-Dichlorobenzene-d4	572341	7.64	403279	7.614	142	50 - 200	0.0260	+/-0.50	
Naphthalene-d8	2286905	10.356	1529030	10.359	150	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1306815	14.46	866604	14.474	151	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	2159257	17.887	1400442	17.901	154	50 - 200	-0.0140	+/-0.50	
Chrysene-d12	1648285	21.501	1153654	21.538	143	50 - 200	-0.0370	+/-0.50	
Perylene-d12	845889	23.174	991596	23.211	85	50 - 200	-0.0370	+/-0.50	
GA-TU17SB34-15 (1410085-01)			**Lab File ID: 1410085-01.D**			**Analyzed: 10/21/14 23:02**			
1,4-Dichlorobenzene-d4	470255	7.635	403279	7.614	117	50 - 200	0.0210	+/-0.50	
Naphthalene-d8	1866659	10.357	1529030	10.359	122	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1060844	14.466	866604	14.474	122	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1601577	17.899	1400442	17.901	114	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	668723	21.524	1153654	21.538	58	50 - 200	-0.0140	+/-0.50	
Perylene-d12	217824	23.18	991596	23.211	22	50 - 200	-0.0310	+/-0.50	*

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water
Sequence: 4J22008

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J22008-CCV1)			**Lab File ID: 10c1021.D**			**Analyzed: 10/21/14 12:52**			
1,4-Dichlorobenzene-d4	456151	7.611	403279	7.614	113	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1748646	10.356	1529030	10.359	114	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	964891	14.471	866604	14.474	111	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1469197	17.887	1400442	17.901	105	50 - 200	-0.0140	+/-0.50	
Chrysene-d12	1115079	21.507	1153654	21.538	97	50 - 200	-0.0310	+/-0.50	
Perylene-d12	797372	23.179	991596	23.211	80	50 - 200	-0.0320	+/-0.50	
Calibration Check (4J22008-CCV2)			**Lab File ID: 10ab1021b.D**			**Analyzed: 10/21/14 13:24**			
1,4-Dichlorobenzene-d4	608588	7.611	403279	7.614	151	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2377497	10.357	1529030	10.359	155	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1280012	14.466	866604	14.474	148	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1806752	17.887	1400442	17.901	129	50 - 200	-0.0140	+/-0.50	
Chrysene-d12	1358359	21.501	1153654	21.538	118	50 - 200	-0.0370	+/-0.50	
Perylene-d12	937530	23.174	991596	23.211	95	50 - 200	-0.0370	+/-0.50	
Blank (1410842-BLK1)			**Lab File ID: 1410842-blk1.D**			**Analyzed: 10/21/14 14:26**			
1,4-Dichlorobenzene-d4	327767	7.611	403279	7.614	81	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1258968	10.35	1529030	10.359	82	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	668869	14.46	866604	14.474	77	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	942848	17.881	1400442	17.901	67	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	644316	21.501	1153654	21.538	56	50 - 200	-0.0370	+/-0.50	
Perylene-d12	515233	23.173	991596	23.211	52	50 - 200	-0.0380	+/-0.50	
LCS (1410842-BS1)			**Lab File ID: 1410842-bs1.D**			**Analyzed: 10/21/14 15:31**			
1,4-Dichlorobenzene-d4	317990	7.611	403279	7.614	79	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1256972	10.357	1529030	10.359	82	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	698267	14.466	866604	14.474	81	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1032145	17.887	1400442	17.901	74	50 - 200	-0.0140	+/-0.50	
Chrysene-d12	797030	21.507	1153654	21.538	69	50 - 200	-0.0310	+/-0.50	
Perylene-d12	604691	23.174	991596	23.211	61	50 - 200	-0.0370	+/-0.50	
GA-TU17GW34-01 (1410085-03)			**Lab File ID: 1410085-03.D**			**Analyzed: 10/21/14 17:40**			
1,4-Dichlorobenzene-d4	431584	7.611	403279	7.614	107	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1707444	10.351	1529030	10.359	112	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	951964	14.46	866604	14.474	110	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	1521349	17.887	1400442	17.901	109	50 - 200	-0.0140	+/-0.50	
Chrysene-d12	1195095	21.501	1153654	21.538	104	50 - 200	-0.0370	+/-0.50	
Perylene-d12	828020	23.174	991596	23.211	84	50 - 200	-0.0370	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sequence: 4J22044

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (4J22044-CCV1)			**Lab File ID: 10bna1022.D**			**Analyzed: 10/22/14 08:22**			
1,4-Dichlorobenzene-d4	430676	7.57	403279	7.614	107	50 - 200	-0.0440	+/-0.50	
Naphthalene-d8	1675086	10.322	1529030	10.359	110	50 - 200	-0.0370	+/-0.50	
Acenaphthene-d10	935172	14.431	866604	14.474	108	50 - 200	-0.0430	+/-0.50	
Phenanthrene-d10	1481136	17.858	1400442	17.901	106	50 - 200	-0.0430	+/-0.50	
Chrysene-d12	1229538	21.489	1153654	21.538	107	50 - 200	-0.0490	+/-0.50	
Perylene-d12	1067905	23.145	991596	23.211	108	50 - 200	-0.0660	+/-0.50	
Calibration Check (4J22044-CCV2)			**Lab File ID: 10ab1022.D**			**Analyzed: 10/22/14 08:54**			
1,4-Dichlorobenzene-d4	604756	7.576	403279	7.614	150	50 - 200	-0.0380	+/-0.50	
Naphthalene-d8	2356806	10.322	1529030	10.359	154	50 - 200	-0.0370	+/-0.50	
Acenaphthene-d10	1302458	14.431	866604	14.474	150	50 - 200	-0.0430	+/-0.50	
Phenanthrene-d10	2043355	17.858	1400442	17.901	146	50 - 200	-0.0430	+/-0.50	
Chrysene-d12	1727486	21.483	1153654	21.538	150	50 - 200	-0.0550	+/-0.50	
Perylene-d12	1351644	23.145	991596	23.211	136	50 - 200	-0.0660	+/-0.50	
Blank (1410920-BLK2)			**Lab File ID: 1411640-blk1.D**			**Analyzed: 10/22/14 10:58**			
1,4-Dichlorobenzene-d4	328336	7.599	403279	7.614	81	50 - 200	-0.0150	+/-0.50	
Naphthalene-d8	1262870	10.316	1529030	10.359	83	50 - 200	-0.0430	+/-0.50	
Acenaphthene-d10	709552	14.419	866604	14.474	82	50 - 200	-0.0550	+/-0.50	
Phenanthrene-d10	1165442	17.852	1400442	17.901	83	50 - 200	-0.0490	+/-0.50	
Chrysene-d12	1041856	21.477	1153654	21.538	90	50 - 200	-0.0610	+/-0.50	
Perylene-d12	875777	23.139	991596	23.211	88	50 - 200	-0.0720	+/-0.50	
LCS (1410920-BS2)			**Lab File ID: 1411640-bs1.D**			**Analyzed: 10/22/14 12:35**			
1,4-Dichlorobenzene-d4	354809	7.605	403279	7.614	88	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	1368738	10.321	1529030	10.359	90	50 - 200	-0.0380	+/-0.50	
Acenaphthene-d10	761089	14.431	866604	14.474	88	50 - 200	-0.0430	+/-0.50	
Phenanthrene-d10	1249486	17.858	1400442	17.901	89	50 - 200	-0.0430	+/-0.50	
Chrysene-d12	1015976	21.483	1153654	21.538	88	50 - 200	-0.0550	+/-0.50	
Perylene-d12	942131	23.144	991596	23.211	95	50 - 200	-0.0670	+/-0.50	
GA-TU17SB34-15 (1410085-01RE1)			**Lab File ID: 1410085-01 10x.D**			**Analyzed: 10/22/14 13:07**			
1,4-Dichlorobenzene-d4	364322	7.576	403279	7.614	90	50 - 200	-0.0380	+/-0.50	
Naphthalene-d8	1441074	10.316	1529030	10.359	94	50 - 200	-0.0430	+/-0.50	
Acenaphthene-d10	798850	14.425	866604	14.474	92	50 - 200	-0.0490	+/-0.50	
Phenanthrene-d10	1297731	17.858	1400442	17.901	93	50 - 200	-0.0430	+/-0.50	
Chrysene-d12	1046807	21.483	1153654	21.538	91	50 - 200	-0.0550	+/-0.50	
Perylene-d12	881266	23.144	991596	23.211	89	50 - 200	-0.0670	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Calibration: 4J06006
Sequence: 4J22044
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GA-TU13SB14-34 (1410025-06RE3)			**Lab File ID: 1410025-06re2 5x.D**			**Analyzed: 10/22/14 13:40**			
1,4-Dichlorobenzene-d4	339135	7.582	403279	7.614	84	50 - 200	-0.0320	+/-0.50	
Naphthalene-d8	1328268	10.316	1529030	10.359	87	50 - 200	-0.0430	+/-0.50	
Acenaphthene-d10	730247	14.425	866604	14.474	84	50 - 200	-0.0490	+/-0.50	
Phenanthrene-d10	1174601	17.852	1400442	17.901	84	50 - 200	-0.0490	+/-0.50	
Chrysene-d12	1033742	21.477	1153654	21.538	90	50 - 200	-0.0610	+/-0.50	
Perylene-d12	745919	23.139	991596	23.211	75	50 - 200	-0.0720	+/-0.50	
GA-TU13SB14-34 (1410025-06RE2)			**Lab File ID: 1410025-06re2.D**			**Analyzed: 10/22/14 14:12**			
1,4-Dichlorobenzene-d4	372449	7.605	403279	7.614	92	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	1438386	10.321	1529030	10.359	94	50 - 200	-0.0380	+/-0.50	
Acenaphthene-d10	802502	14.425	866604	14.474	93	50 - 200	-0.0490	+/-0.50	
Phenanthrene-d10	1279053	17.852	1400442	17.901	91	50 - 200	-0.0490	+/-0.50	
Chrysene-d12	951716	21.477	1153654	21.538	82	50 - 200	-0.0610	+/-0.50	
Perylene-d12	340695	23.139	991596	23.211	34	50 - 200	-0.0720	+/-0.50	*

HOLDING TIME SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Method: Semivolatile Organic Compounds by EPA Method 8270D

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU14SB16-12	09/23/14	09/24/14		09/30/14	7	14	10/07/14	8	40	
GA-TU14SB16-12	09/23/14	09/24/14		09/30/14	7	14	10/08/14	8	40	
GA-TU14SB16-35	09/23/14	09/24/14		09/30/14	7	14	10/05/14	5	40	
GA-TU14SB15-13	09/23/14	09/24/14		09/30/14	7	14	10/05/14	5	40	
GA-TU14SB17-21	09/23/14	09/24/14		09/30/14	7	14	10/07/14	7	40	
GA-TU14SB17-34	09/23/14	09/24/14		09/30/14	7	14	10/05/14	5	40	
GA-TU14SB19-35	09/23/14	09/24/14		09/30/14	7	14	10/05/14	6	40	
GA-TU14SB15-35	09/23/14	09/24/14		09/30/14	7	14	10/05/14	6	40	
GA-TU14SB15-35	09/23/14	09/24/14		10/06/14	13	14	10/07/14	1	40	
GA-TU14SB15-35DUP	09/23/14	09/24/14		09/30/14	7	14	10/05/14	6	40	
GA-TU14SB18-35	09/23/14	09/24/14		09/30/14	7	14	10/05/14	6	40	
GA-TU14SB18-05	09/23/14	09/24/14		09/30/14	7	14	10/07/14	8	40	
GA-TU14GW15-01	09/23/14	09/24/14		09/29/14	6	7	10/05/14	6	40	
GA-TU14GW20-01	09/24/14	09/25/14		09/29/14	5	7	10/05/14	6	40	
GA-TU14SB23-25	09/24/14	09/25/14		09/30/14	6	14	10/07/14	7	40	
GA-TU14SB23-33	09/24/14	09/25/14		09/30/14	6	14	10/07/14	7	40	
GA-TU14SB24-07	09/24/14	09/25/14		09/30/14	6	14	10/08/14	8	40	
GA-TU14SB24-07	09/24/14	09/25/14		09/30/14	6	14	10/10/14	10	40	
GA-TU14SB24-33	09/24/14	09/25/14		09/30/14	6	14	10/07/14	7	40	
GA-TU14SB21-5	09/24/14	09/25/14		09/30/14	6	14	10/07/14	7	40	
GA-TU14SB21-33	09/24/14	09/25/14		09/30/14	6	14	10/07/14	7	40	
GA-TU14SB22-26	09/24/14	09/25/14		09/30/14	6	14	10/07/14	7	40	

HOLDING TIME SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Method: Semivolatile Organic Compounds by EPA Method 8270D

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU14SB22-33	09/24/14	09/25/14		09/30/14	6	14	10/08/14	8	40	
GA-TU14SB20-5	09/24/14	09/25/14		09/30/14	6	14	10/07/14	7	40	
GA-TU14SB20-33	09/24/14	09/25/14		09/30/14	6	14	10/07/14	7	40	
GA-TU13SB01-08	09/25/14	09/26/14		10/01/14	6	14	10/08/14	7	40	
GA-TU13SB01-08	09/25/14	09/26/14		10/01/14	6	14	10/08/14	8	40	
GA-TU13SB01-32	09/25/14	09/26/14		10/01/14	6	14	10/08/14	7	40	
GA-TU13SB01-32	09/25/14	09/26/14		10/01/14	6	14	10/10/14	9	40	
GA-TU13SB02-14	09/25/14	09/26/14		10/01/14	6	14	10/08/14	7	40	
GA-TU13SB02-14	09/25/14	09/26/14		10/01/14	6	14	10/10/14	9	40	
GA-TU13SB02-33	09/25/14	09/26/14		10/01/14	6	14	10/07/14	7	40	
GA-TU13SB02-33	09/25/14	09/26/14		10/08/14	13	14	10/10/14	2	40	
GA-TU13SB04-07	09/25/14	09/26/14		10/01/14	6	14	10/08/14	7	40	
GA-TU13SB04-07	09/25/14	09/26/14		10/01/14	6	14	10/14/14	13	40	
GA-TU13SB04-07	09/25/14	09/26/14		10/08/14	13	14	10/14/14	7	40	
GA-TU13SB04-07	09/25/14	09/26/14		10/08/14	13	14	10/14/14	6	40	
GA-TU13SB04-33	09/25/14	09/26/14		10/01/14	6	14	10/07/14	7	40	
GA-TU13SB04-33	09/25/14	09/26/14		10/08/14	13	14	10/10/14	2	40	
GA-TU13SB03-12	09/25/14	09/26/14		10/01/14	6	14	10/14/14	13	40	
GA-TU13GW02-01	09/25/14	09/26/14		09/29/14	4	7	10/05/14	6	40	
GA-TU13GW05-01	09/25/14	09/26/14		09/29/14	4	7	10/05/14	6	40	
GA-TU13GW03-01	09/25/14	09/26/14		09/29/14	4	7	10/05/14	6	40	
GA-TU13SB06-14	09/25/14	09/26/14		10/01/14	6	14	10/10/14	9	40	

HOLDING TIME SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

Method: Semivolatile Organic Compounds by EPA Method 8270D

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU13SB06-33	09/25/14	09/26/14		10/01/14	6	14	10/07/14	7	40	
GA-TU13SB07-08	09/25/14	09/26/14		10/01/14	6	14	10/14/14	13	40	
GA-TU13SB07-33	09/25/14	09/26/14		10/01/14	6	14	10/07/14	7	40	
GA-TU13SB03-33	09/25/14	09/26/14		10/01/14	6	14	10/07/14	7	40	
GA-TU13SB05-12	09/25/14	09/26/14		10/01/14	6	14	10/11/14	10	40	
GA-TU13SB05-12	09/25/14	09/26/14		10/01/14	6	14	10/17/14	16	40	
GA-TU13SB05-33	09/25/14	09/26/14		10/01/14	6	14	10/07/14	7	40	
GA-TU13SB05-33	09/25/14	09/26/14		10/08/14	13	14	10/10/14	2	40	
GA-TU16SB30-08	09/26/14	09/27/14		10/02/14	6	14	10/10/14	9	40	
GA-TU16SB30-08	09/26/14	09/27/14		10/02/14	6	14	10/14/14	12	40	
GA-TU16SB31-08	09/26/14	09/27/14		10/02/14	6	14	10/14/14	13	40	
GA-TU16SB31-08	09/26/14	09/27/14		10/02/14	6	14	10/17/14	15	40	
GA-TU16SB32-17	09/26/14	09/27/14		10/02/14	6	14	10/10/14	9	40	
GA-TU16SB32-17	09/26/14	09/27/14		10/02/14	6	14	10/14/14	12	40	
GA-TU16SB33-10	09/26/14	09/27/14		10/02/14	6	14	10/11/14	9	40	
GA-TU16SB33-10	09/26/14	09/27/14		10/02/14	6	14	10/17/14	15	40	
GA-TU16GW29-01	09/26/14	09/27/14		10/02/14	6	7	10/08/14	6	40	
GA-TU16GW29-01	09/26/14	09/27/14		10/02/14	6	7	10/08/14	6	40	
FQC-EB092614JC-001	09/26/14	09/27/14		10/02/14	6	7	10/08/14	6	40	
GA-TU16SB29-15	09/26/14	09/27/14		10/02/14	6	14	10/08/14	6	40	
GA-TU16SB29-15DUP	09/26/14	09/27/14		10/02/14	6	14	10/08/14	7	40	
GA-TU16SB29-44	09/26/14	09/27/14		10/02/14	6	14	10/08/14	7	40	

HOLDING TIME SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

Method: Semivolatile Organic Compounds by EPA Method 8270D

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU16SB29-44DUP	09/26/14	09/27/14		10/02/14	6	14	10/14/14	12	40	
GA-TU16SB29-44DUP	09/26/14	09/27/14		10/02/14	6	14	10/17/14	15	40	
GA-TU13SB8-15	09/29/14	09/30/14		10/02/14	3	14	10/11/14	9	40	
GA-TU13SB8-15	09/29/14	09/30/14		10/02/14	3	14	10/14/14	13	40	
GA-TU13SB8-34	09/29/14	09/30/14		10/02/14	3	14	10/10/14	8	40	
GA-TU13SB9-20	09/29/14	09/30/14		10/02/14	3	14	10/10/14	8	40	
GA-TU13SB9-34	09/29/14	09/30/14		10/02/14	3	14	10/10/14	8	40	
GA-TU13SB10-15	09/29/14	09/30/14		10/02/14	3	14	10/11/14	9	40	
GA-TU13SB10-15	09/29/14	09/30/14		10/02/14	3	14	10/17/14	15	40	
GA-TU13SB10-34	09/29/14	09/30/14		10/02/14	3	14	10/10/14	9	40	
GA-TU13SB10-34	09/29/14	09/30/14		10/02/14	3	14	10/14/14	12	40	
GA-TU13SB11-20	09/29/14	09/30/14		10/02/14	3	14	10/10/14	8	40	
GA-TU13SB11-34	09/29/14	09/30/14		10/02/14	3	14	10/11/14	9	40	
GA-TU13SB11-34	09/29/14	09/30/14		10/02/14	3	14	10/20/14	19	40	
GA-TU13SB11-34	09/29/14	09/30/14		10/15/14	16	14	10/21/14	6	40	*
GA-TU13SB11-34	09/29/14	09/30/14		10/15/14	16	14	10/20/14	5	40	*
GA-TU13GW08-01	09/29/14	09/30/14		10/02/14	3	7	10/08/14	6	40	
GA-TU13GW09-01	09/29/14	09/30/14		10/02/14	3	7	10/08/14	7	40	
GA-TU13SB12-15	09/30/14	10/01/14		10/09/14	9	14	10/20/14	12	40	
GA-TU13SB12-34	09/30/14	10/01/14		10/09/14	9	14	10/21/14	12	40	
GA-TU13SB12-34	09/30/14	10/01/14		10/09/14	9	14	10/21/14	12	40	
GA-TU13SB13-20	09/30/14	10/01/14		10/09/14	9	14	10/20/14	12	40	

HOLDING TIME SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Method: Semivolatile Organic Compounds by EPA Method 8270D

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU13SB13-34	09/30/14	10/01/14		10/09/14	9	14	10/20/14	12	40	
GA-TU13SB14-15	09/30/14	10/01/14		10/09/14	9	14	10/21/14	12	40	
GA-TU13SB14-15	09/30/14	10/01/14		10/09/14	9	14	10/21/14	12	40	
GA-TU13SB14-34	09/30/14	10/01/14		10/09/14	9	14	10/21/14	12	40	
GA-TU13SB14-34	09/30/14	10/01/14		10/09/14	9	14	10/21/14	12	40	
GA-TU13SB14-34	09/30/14	10/01/14		10/22/14	22	14	10/22/14	0	40	*
GA-TU13SB14-34	09/30/14	10/01/14		10/22/14	22	14	10/22/14	0	40	*
GA-TU13SB14-34DUP	09/30/14	10/01/14		10/09/14	9	14	10/20/14	12	40	
GA-TU13GW12-01	09/30/14	10/01/14		10/02/14	2	7	10/08/14	7	40	
GA-TU13GW13-01	09/30/14	10/01/14		10/02/14	2	7	10/08/14	6	40	
GA-TU17SB34-15	10/01/14	10/02/14		10/09/14	8	14	10/21/14	13	40	
GA-TU17SB34-15	10/01/14	10/02/14		10/09/14	8	14	10/22/14	13	40	
GA-TU17SB34-37	10/01/14	10/02/14		10/09/14	8	14	10/20/14	12	40	
GA-TU17SB34-37	10/01/14	10/02/14		10/09/14	8	14	10/21/14	12	40	
GA-TU17GW34-01	10/01/14	10/02/14		10/07/14	6	7	10/21/14	14	40	
GA-TU17SB35-15	10/01/14	10/02/14		10/09/14	8	14	10/21/14	12	40	
GA-TU17SB35-15	10/01/14	10/02/14		10/09/14	8	14	10/21/14	12	40	
GA-TU17SB36-20	10/01/14	10/02/14		10/09/14	8	14	10/21/14	12	40	
GA-TU17SB36-20	10/01/14	10/02/14		10/09/14	8	14	10/21/14	13	40	
GA-TU17SB38-15	10/01/14	10/02/14		10/09/14	8	14	10/21/14	12	40	
GA-TU17SB38-15	10/01/14	10/02/14		10/09/14	8	14	10/21/14	13	40	
GA-TU017SB34-37DUP	10/01/14	10/02/14		10/09/14	8	14	10/21/14	13	40	

HOLDING TIME SUMMARY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

Method: Semivolatile Organic Compounds by EPA Method 8270D

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU017SB38-15DUP	10/01/14	10/02/14		10/09/14	8	14	10/21/14	13	40	

TRIMATRIX LABORATORIES

SECTION - D

SAMPLE DATA

USEPA-8270D

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB16-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-01 File ID: 1409422-01 10x.D

Sampled: 09/23/14 11:00 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 23:00

Solids: 95.20 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	180	49	180	180	U
208-96-8	Acenaphthylene	10	180	44	180	180	U
120-12-7	Anthracene	10	65	42	180	180	J
56-55-3	Benzo(a)anthracene	10	170	29	88	180	J
50-32-8	Benzo(a)pyrene	10	120	24	88	180	J
205-99-2	Benzo(b)fluoranthene	10	230	20	88	180	
207-08-9	Benzo(k)fluoranthene	10	120	20	88	180	J
191-24-2	Benzo(g,h,i)perylene	10	65	20	88	350	J
65-85-0	Benzoic Acid	10	1800	730	1800	3500	U
100-51-6	Benzyl Alcohol	10	180	48	180	180	U
101-55-3	4-Bromophenyl Phenyl Ether	10	180	42	180	180	U
85-68-7	Butyl Benzyl Phthalate	10	150	42	180	350	J
86-74-8	Carbazole	10	180	42	180	1800	U
59-50-7	4-Chloro-3-methylphenol	10	180	53	180	180	U
106-47-8	4-Chloroaniline	10	180	93	180	700	U
111-91-1	Bis(2-chloroethoxy)methane	10	180	43	180	180	U
111-44-4	Bis(2-chloroethyl) Ether	10	180	41	180	180	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	88	39	88	180	U
91-58-7	2-Chloronaphthalene	10	180	52	180	180	U
95-57-8	2-Chlorophenol	10	180	41	180	180	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	180	40	180	180	U
218-01-9	Chrysene	10	170	41	180	180	J
53-70-3	Dibenz(a,h)anthracene	10	88	20	88	350	U
132-64-9	Dibenzofuran	10	180	51	180	180	U
84-74-2	Di-n-butyl Phthalate	10	350	140	350	700	U
106-46-7	1,4-Dichlorobenzene	10	180	51	180	180	U
95-50-1	1,2-Dichlorobenzene	10	180	57	180	180	U
541-73-1	1,3-Dichlorobenzene	10	180	59	180	180	U
91-94-1	3,3´-Dichlorobenzidine	10	7000	2900	7000	8800	U
120-83-2	2,4-Dichlorophenol	10	180	43	180	350	U
84-66-2	Diethyl Phthalate	10	180	51	180	180	U
105-67-9	2,4-Dimethylphenol	10	1400	380	1400	1800	U
131-11-3	Dimethyl Phthalate	10	180	50	180	180	U
534-52-1	4,6-Dinitro-2-methylphenol	10	700	220	700	1800	U
51-28-5	2,4-Dinitrophenol	10	1800	590	1800	1800	U
606-20-2	2,6-Dinitrotoluene	10	88	42	88	180	U
121-14-2	2,4-Dinitrotoluene	10	88	34	88	350	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB16-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-01 File ID: 1409422-01 10x.D

Sampled: 09/23/14 11:00 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 23:00

Solids: 95.20 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	180	41	180	180	U
122-66-7	1,2-Diphenylhydrazine	10	88	35	88	180	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	1400	120	180	350	**B**
206-44-0	Fluoranthene	10	440	47	180	180	
86-73-7	Fluorene	10	180	42	180	350	U
118-74-1	Hexachlorobenzene	10	180	50	180	180	U
87-68-3	Hexachlorobutadiene	10	180	48	180	180	U
67-72-1	Hexachloroethane	10	180	53	180	180	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	47	28	88	350	**J**
78-59-1	Isophorone	10	180	40	180	180	U
91-57-6	2-Methylnaphthalene	10	180	48	180	180	U
108-39-4	3+4-Methylphenol	10	88	39	88	180	U
95-48-7	2-Methylphenol	10	88	37	88	180	U
91-20-3	Naphthalene	10	180	59	180	180	U
100-01-6	4-Nitroaniline	10	700	260	700	3500	U
88-74-4	2-Nitroaniline	10	88	38	88	180	U
99-09-2	3-Nitroaniline	10	350	170	350	3500	U
98-95-3	Nitrobenzene	10	180	48	180	180	U
88-75-5	2-Nitrophenol	10	180	47	180	180	U
100-02-7	4-Nitrophenol	10	3500	1100	3500	7000	U
62-75-9	N-Nitroso-dimethylamine	10	70	35	70	350	U
86-30-6	N-Nitroso-diphenylamine	10	88	36	88	180	U
621-64-7	N-Nitroso-di-n-propylamine	10	180	42	180	180	U
87-86-5	Pentachlorophenol	10	180	140	180	1800	U
85-01-8	Phenanthrene	10	400	43	180	180	
108-95-2	Phenol	10	180	41	180	1800	U
129-00-0	Pyrene	10	400	45	180	180	
120-82-1	1,2,4-Trichlorobenzene	10	180	47	180	180	U
95-95-4	2,4,5-Trichlorophenol	10	180	47	180	180	U
88-06-2	2,4,6-Trichlorophenol	10	88	27	88	180	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	727	651	89	33 - 113	D
Phenol-d6	727	672	92	30 - 115	D
Nitrobenzene-d5	363	313	86	33 - 131	D
2-Fluorobiphenyl	363	356	98	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB16-12

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-01
File ID: 1409422-01 10x.D
Sampled: 09/23/14 11:00
Prepared: 09/30/14 07:32
Analyzed: 10/07/14 23:00
Solids: 95.20
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	727	454	62	12 - 124	D
o-Terphenyl	363	378	104	20 - 155	D

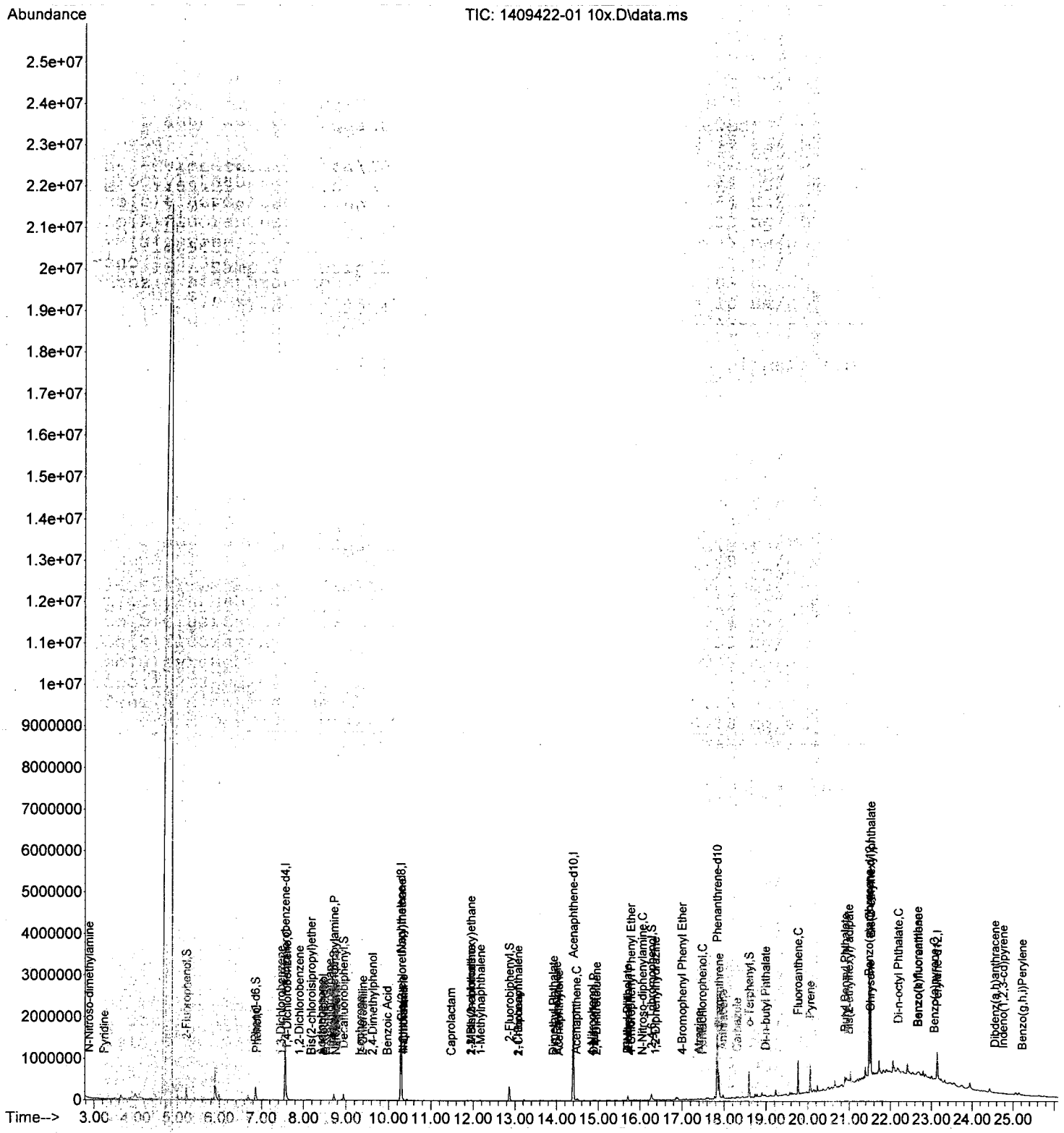
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	428510	7.561	403279	7.614	
Naphthalene-d8	1669909	10.289	1529030	10.359	
Acenaphthene-d10	982415	14.398	866604	14.474	
Phenanthrene-d10	1602787	17.837	1400442	17.901	
Chrysene-d12	1167555	21.486	1153654	21.538	
Perylene-d12	402512	23.141	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:07:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:07:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.561	152	428510	5.00	ng/uL	# 0.01
20) Naphthalene-d8	10.289	136	1669909	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	982415	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.837	188	1602787	5.00	ng/uL	0.00
81) Chrysene-d12	21.486	240	1167555	5.00	ng/uL	# 0.00
89) Perylene-d12	23.141	264	402512 low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.212	112	175432	1.79	ng/uL	0.08
6) Phenol-d6	6.856	99	234658	1.85	ng/uL	0.00
21) Nitrobenzene-d5	8.715	82	91423	0.86	ng/uL	-0.01
23) Decafluorobiphenyl	8.943	334	69684	0.93	ng/uL	0.00
47) 2-Fluorobiphenyl	12.865	172	199533	0.98	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.275	330	30375	1.25	ng/uL	-0.02
78) o-Terphenyl	18.601	230	143017	1.04	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.875	74	164	0.00	ng/uL#	1
3) Pyridine	3.236	79	118	0.00	ng/uL#	14
5) Aniline	0.000		0	N.D.		
7) Phenol	6.885	94	2098	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.451	146	296	0.00	ng/uL#	34
11) 1,4-Dichlorobenzene	7.596	146	179	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	7.894	146	214	0.00	ng/uL#	74
13) Bis(2-chloroisipropyl)...	8.179	45	219	0.00	ng/uL#	51
14) Benzyl Alcohol	0.000		0	N.D.		
15) 2-Methylphenol	8.453	108	398	0.00	ng/uL#	6
16) Acetophenone	8.412	105	1310	0.01	ng/uL#	71
17) Hexachloroethane	8.605	119	321	0.01	ng/uL#	3
18) 4-Methylphenol	8.453	108	398	0.00	ng/uL#	85
19) N-Nitroso-di-n-propyla...	8.715	70	11850	RT 0.15	ng/uL#	12
22) Nitrobenzene	8.762	77	115	0.00	ng/uL#	30
24) Isophorone	9.327	82	59	0.00	ng/uL#	58
25) 2-Chloroaniline	9.386	127	75	0.00	ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.625	107	130	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	10.307	93	900	0.01	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.963	105	676	RT 2.46	ng/uL#	21
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.336	128	14169	0.04	ng/uL	98
33) 4-Chloroaniline	10.342	127	1496	0.02	ng/uL	87
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.472	55	4558	0.09	ng/uL#	35
37) 1,2-Bis(2-chloroethoxy...	11.950	63	583	0.01	ng/uL#	100
38) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 2-Methylnaphthalene	11.950	142	9011	0.04	ng/uL	95
40) 1-Methylnaphthalene	12.178	142	7560	0.04	ng/uL	94
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:07:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.081	162	62	0.00	ng/uL#	35
49) 1,1'-Biphenyl	13.075	154	2514	0.01	ng/uL#	92
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.049	152	1632	0.01	ng/uL#	62
52) 2,6-Dinitrotoluene	14.002	165	541	0.01	ng/uL#	31
53) Dimethyl Phthalate	13.920	163	69	0.00	ng/uL#	1
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.468	153	14189	0.07	ng/uL	98
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.888	168	15448	0.06	ng/uL	99
58) 4-Nitrophenol	14.847	65	138	0.00	ng/uL#	17
59) 2,4-Dinitrotoluene	14.952	165	659	0.01	ng/uL#	41
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.710	166	24936	0.11	ng/uL#	96
63) Diethyl Phthalate	15.698	149	570	0.00	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.785	204	64	0.00	ng/uL#	1
65) 4-Nitroaniline	15.704	138	330	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
68) N-Nitroso-diphenylamine	16.059	169	2135	0.01	ng/uL#	51
69) 1,2-Diphenylhydrazine	16.368	182	245	0.00	ng/uL	89
71) 4-Bromophenyl Phenyl E...	17.004	248	53	0.00	ng/uL#	2
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.400	200	56	0.00	ng/uL#	1
74) Pentachlorophenol	17.476	266	159	0.00	ng/uL#	1
75) Phenanthrene	17.878	178	345999	1.11	ng/uL	99
76) Anthracene	17.977	178	54941	0.18	ng/uL	99
77) Carbazole	18.309	167	28209	0.11	ng/uL#	88
79) Di-n-butyl Phthalate	18.985	149	9064	0.03	ng/uL#	85
80) Fluoroanthene	19.766	202	362493	1.22	ng/uL	93
82) Pyrene	20.058	202	300566	1.09	ng/uL	98
83) Butyl Benzyl Phthalate	20.891	149	44942	0.41	ng/uL	89
84) Bis(2-ethylhexyl) adipate	20.990	129	17848	0.23	ng/uL#	100
85) Benzo(a)anthracene	21.474	228	98381	0.46	ng/uL#	92
86) Chrysene	21.509	228	99057	0.48	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.521	149	547914	3.91	ng/uL	92
88) Di-n-octyl Phthalate	22.191	149	77188	0.64	ng/uL#	77
90) Benzo(b)fluoroanthene	22.663	252	47143m	0.64	ng/uL	
91) Benzo(k)fluoranthene	22.681	252	26942m	0.33	ng/uL	
92) Benzo(a)pyrene	23.071	252	22496	0.39	ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.756	276	7565m	0.13	ng/uL	
94) Dibenz(a,h)anthracene	24.558	278	1391	<MDL> 0.03	ng/uL	93
95) Benzo(g,h,i)Perylene	25.228	276	9497	0.18	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 07:46:30 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

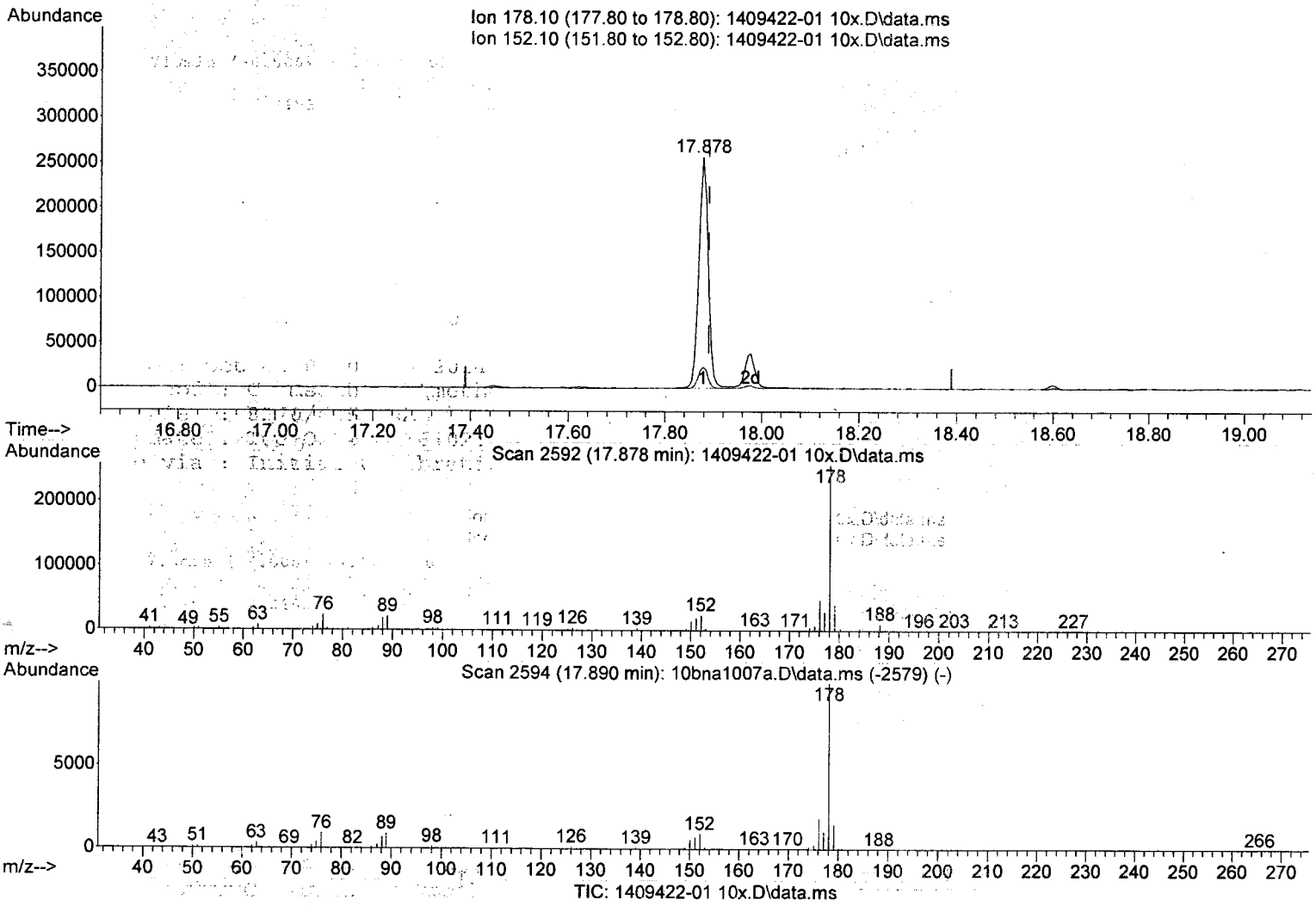
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.561	152	424216	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.289	136	1669909	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.398	164	978413	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.837	188	1612251	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	1167555	5.00	ng/uL	#	0.00
22) Perylene-d12	23.141	264	408705	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.875	74	164	0.00	ng/uL	#	1
3) Pyridine	3.236	79	118	0.00	ng/uL	#	14
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.722	105	4293	0.05	ng/uL	#	1
6) Acetophenone	8.412	105	1310	0.01	ng/uL	#	71
7) N-Nitroso-di-n-propyla...	8.715	70	11850	0.15	ng/uL	#	12
9) 4-Chloroaniline	10.342	127	1496	0.02	ng/uL		87
10) Caprolactam	11.286	55	997	0.11	ng/uL	#	41
12) 1,1'-Biphenyl	13.075	154	2514	0.01	ng/uL	#	92
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.774	138	55	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.059	169	2135	0.01	ng/uL	#	51
18) Atrazine	17.517	200	140	Below Cal		#	1
20) Benzidine	0.000		0	N.D.			
21) 3,3'-Dichlorobenzidine	21.474	252	3802	0.06	ng/uL	#	42

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(75) Phenanthrene

17.878min (-0.012) 1.11 ng/uL

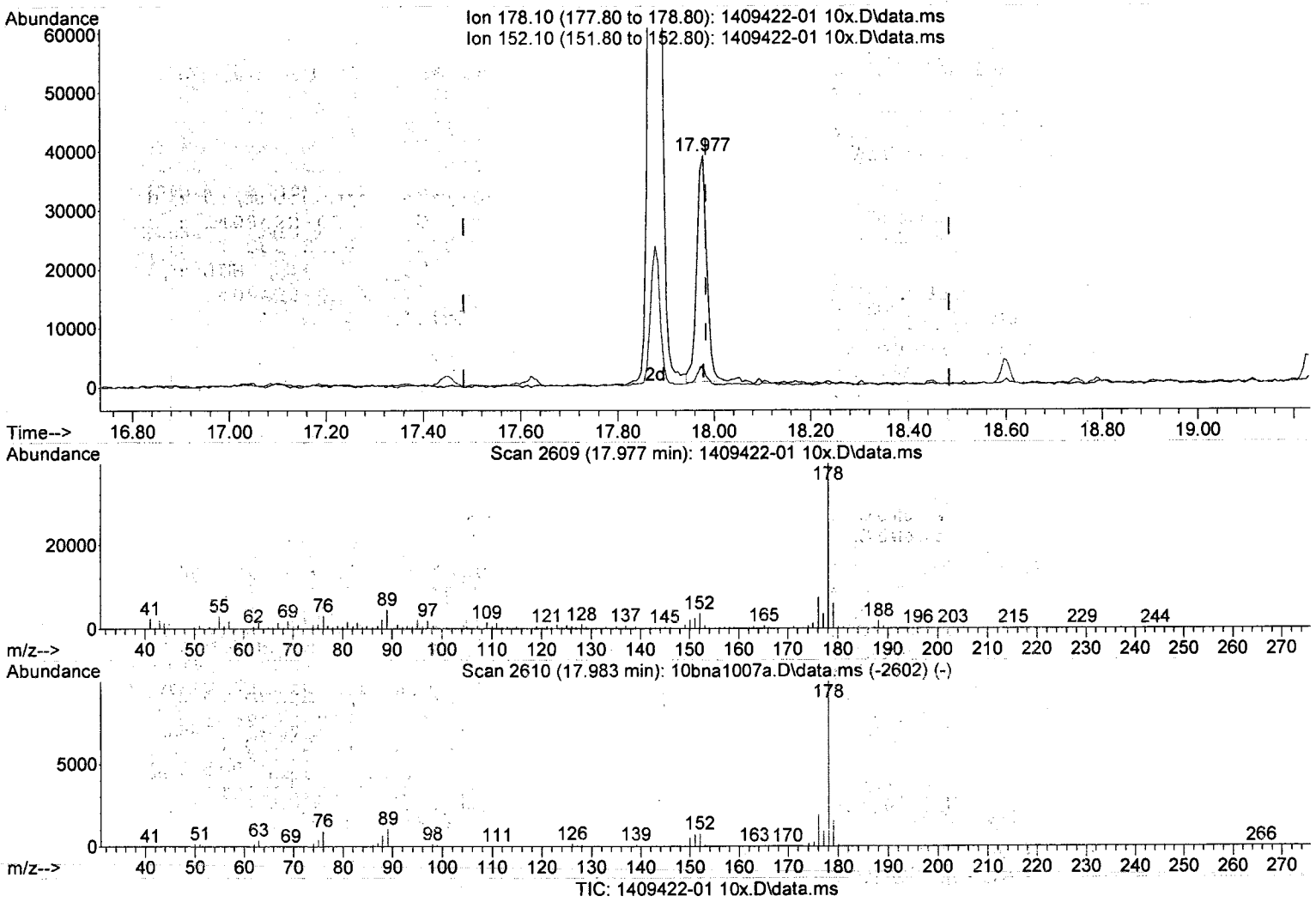
response 345999

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	9.68
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(76) Anthracene

17.977min (-0.006) 0.18 ng/uL

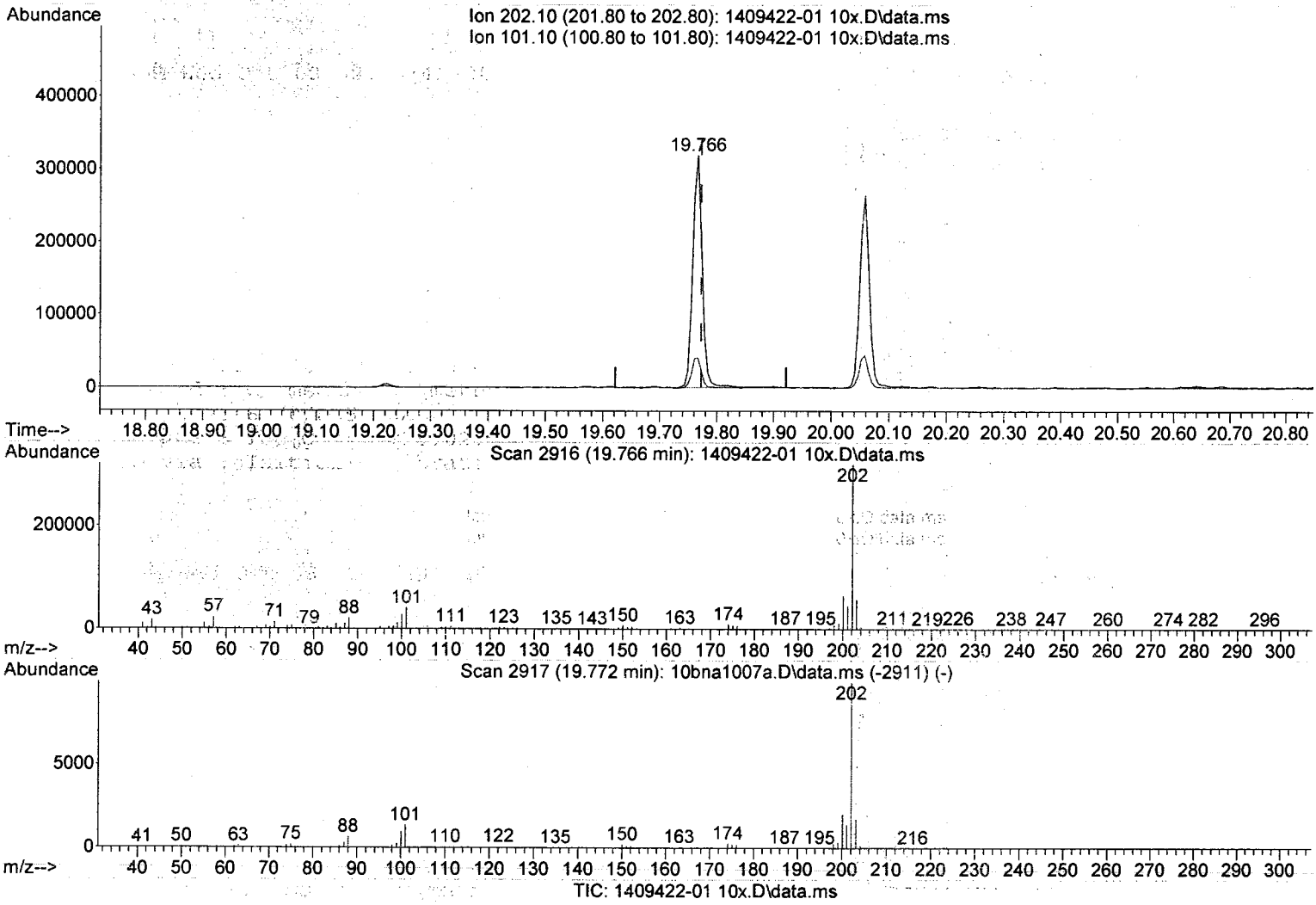
response 54941

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	7.90	8.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(80) Fluoroanthene (C)

19.766min (-0.006) 1.22 ng/uL

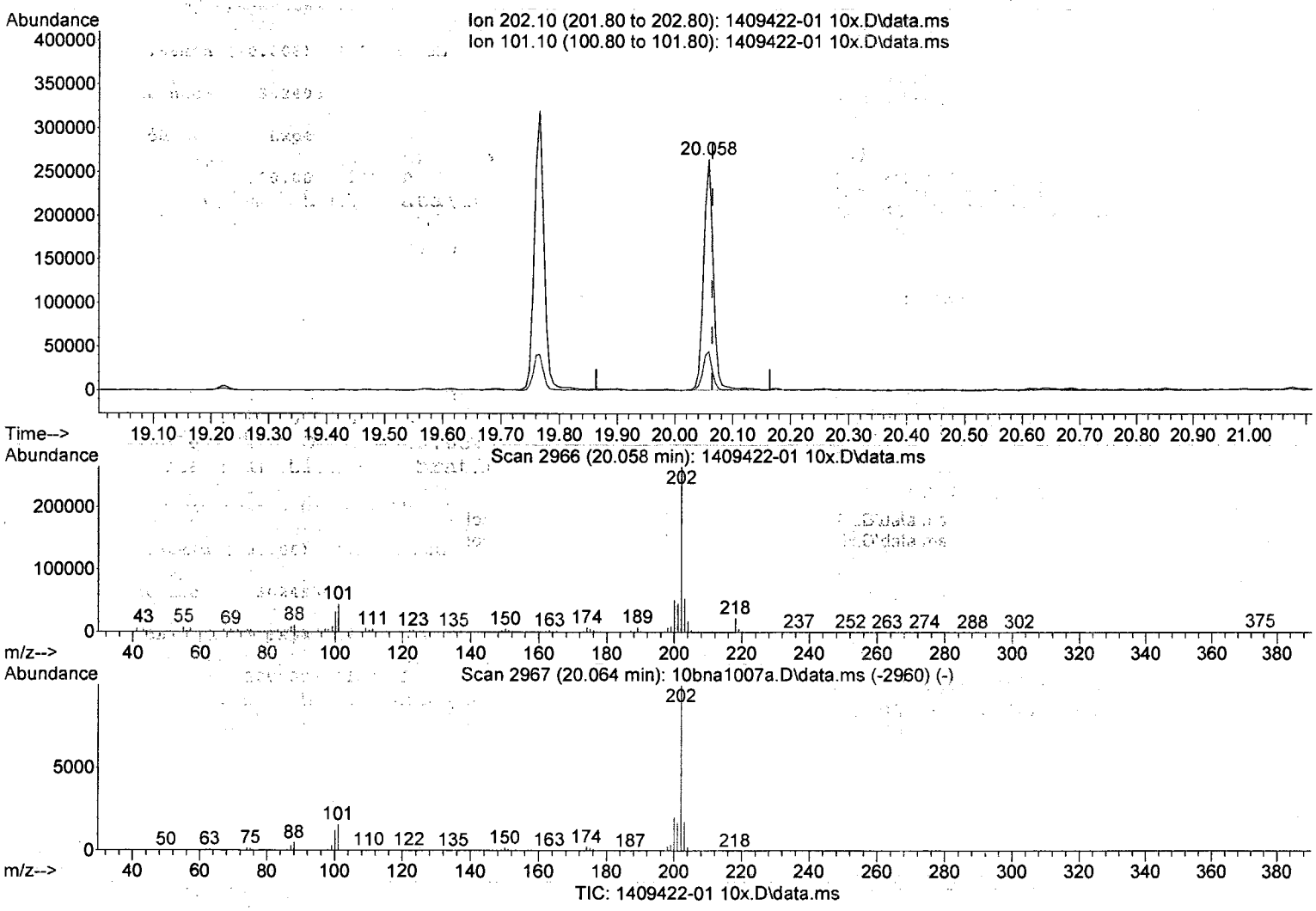
response 362493

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	13.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(82) Pyrene

20.058min (-0.006) 1.09 ng/uL

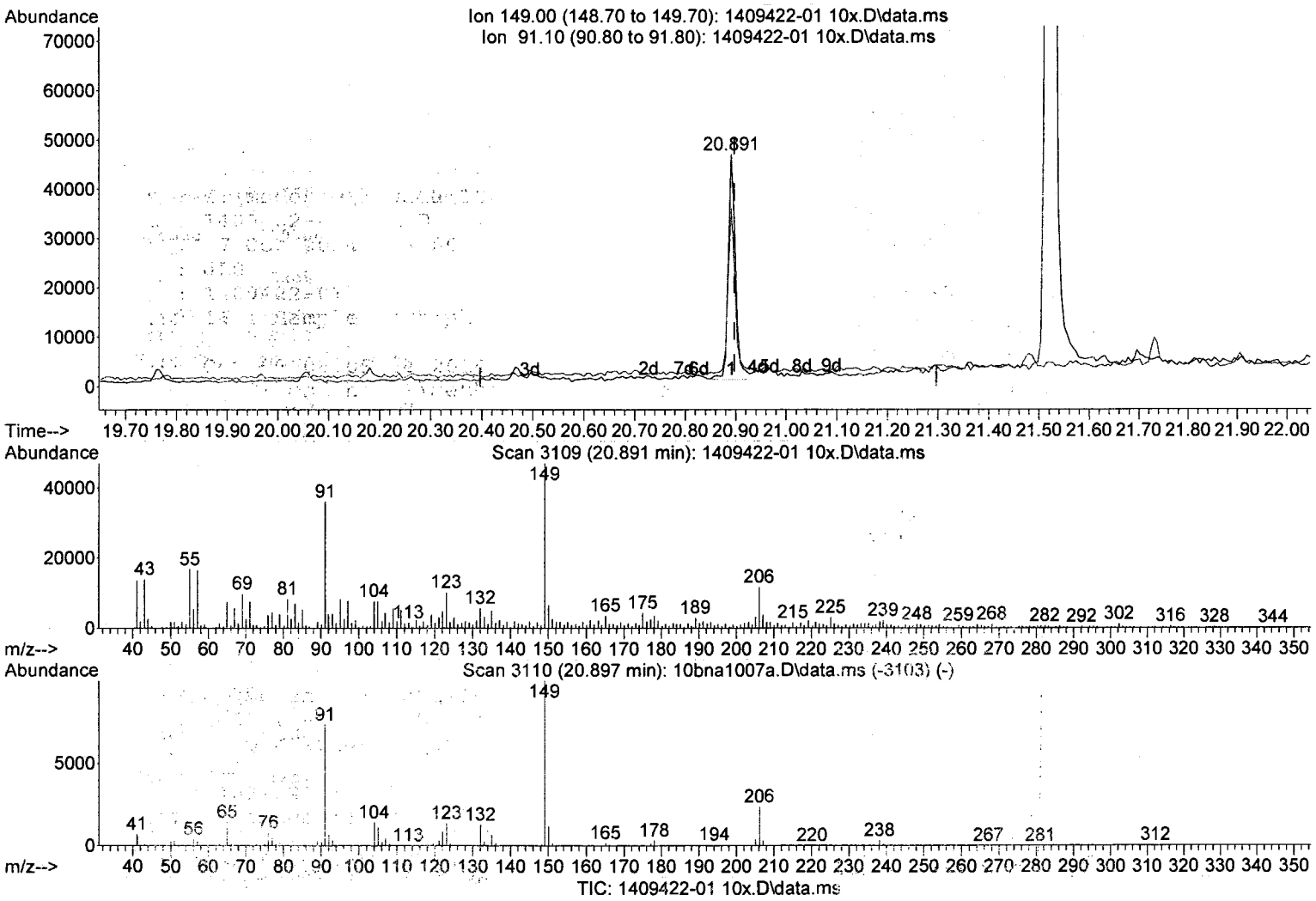
response 300566

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	16.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(83) Butyl Benzyl Phthalate

20.891min (-0.006) 0.41 ng/uL

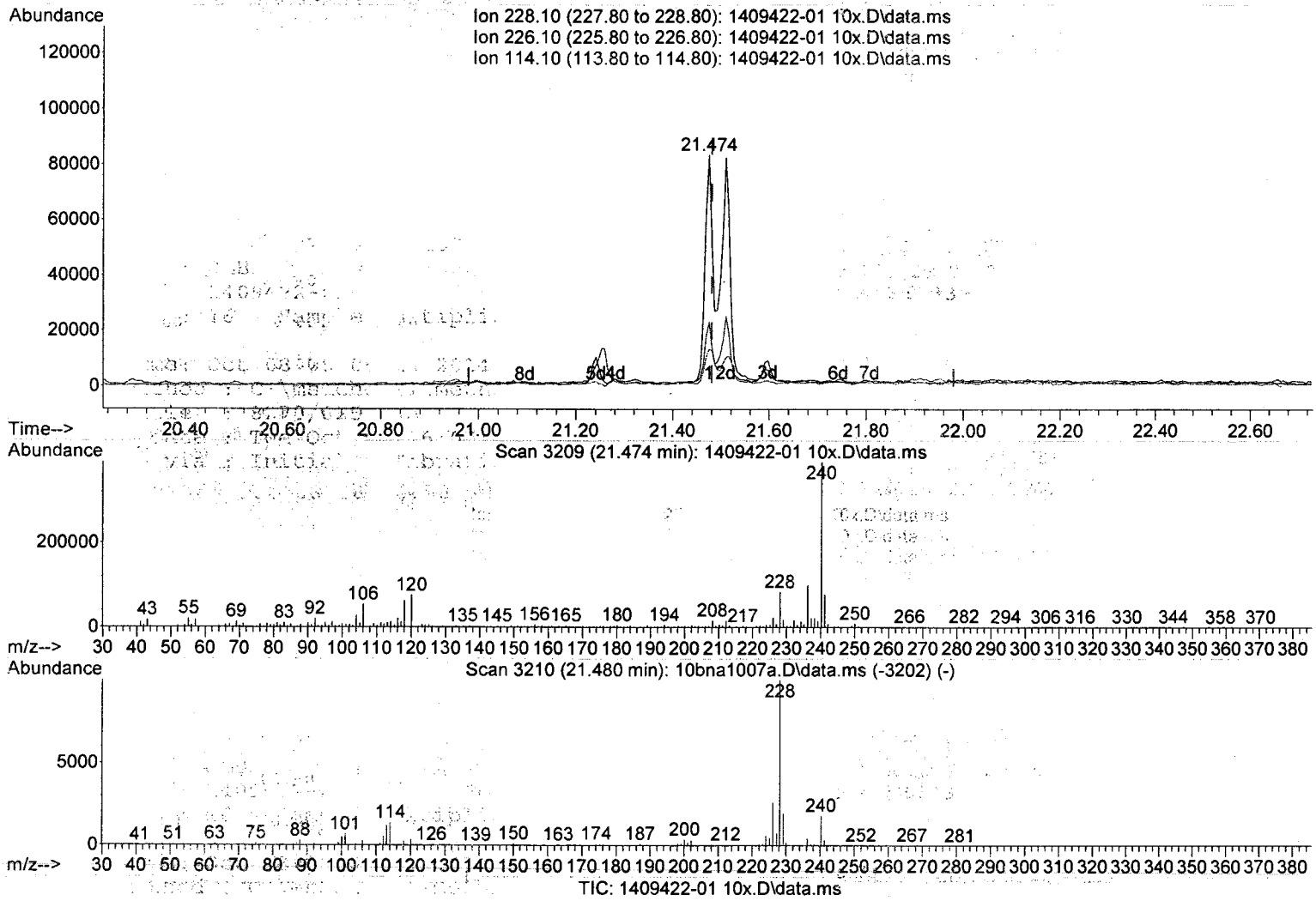
response 44942

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	74.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(85) Benzo(a)anthracene

21.474min (-0.006) 0.46 ng/uL

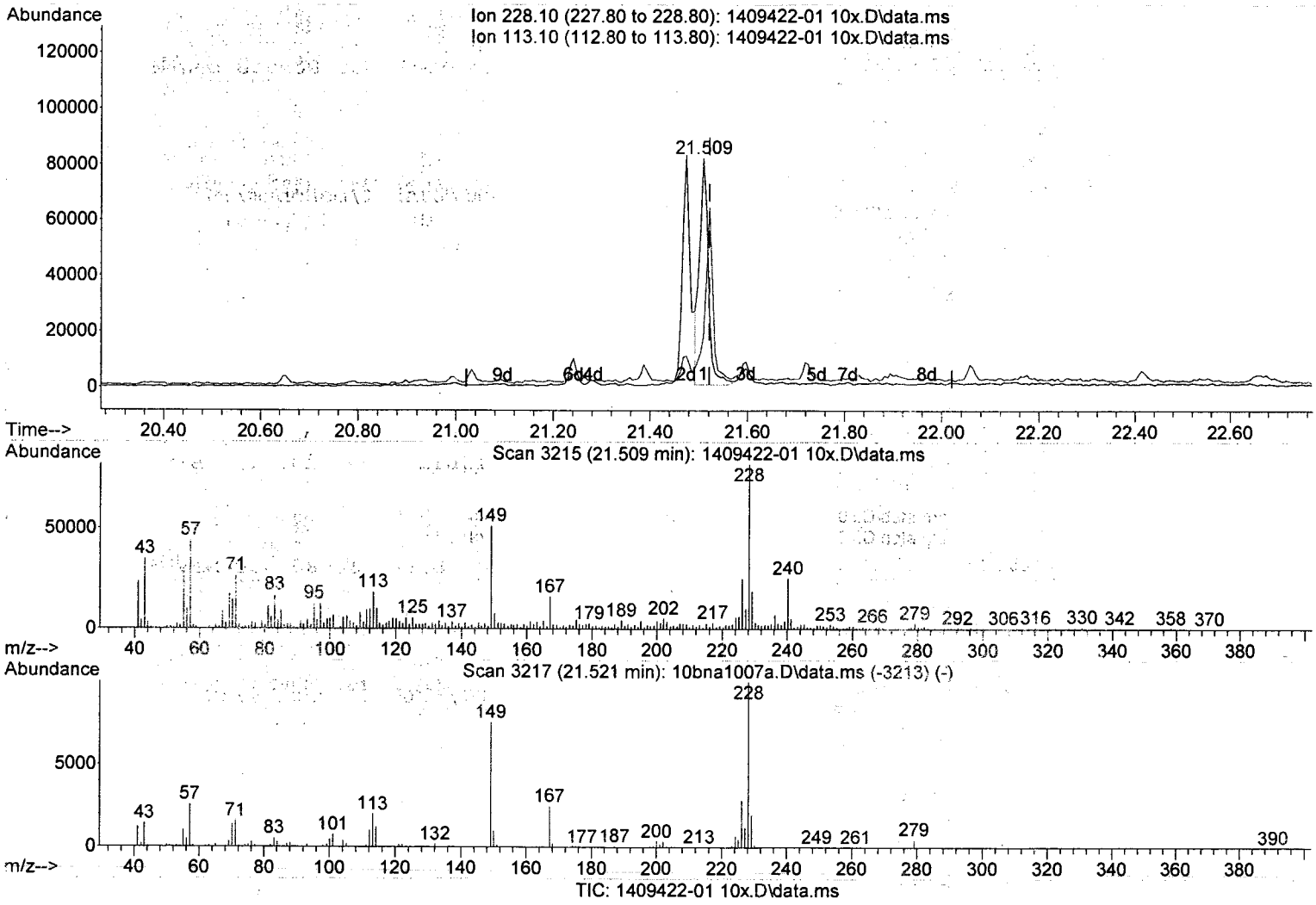
response 98381

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	24.11
114.10	13.30	19.99#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(86) Chrysene

21.509min (-0.012) 0.48 ng/uL

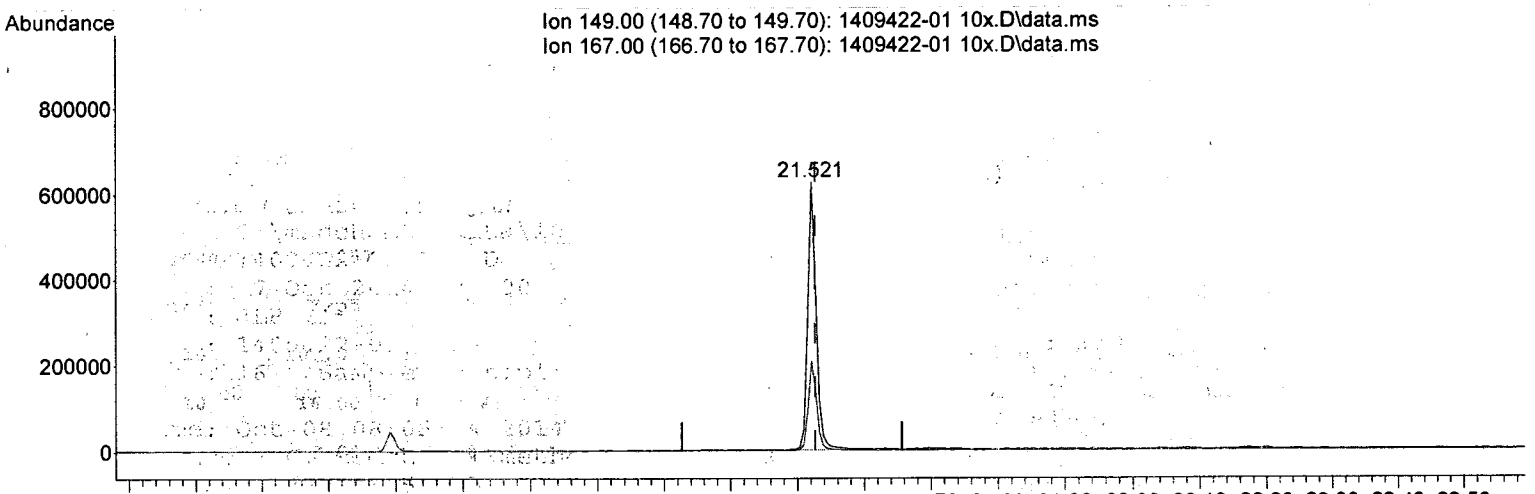
response 99057

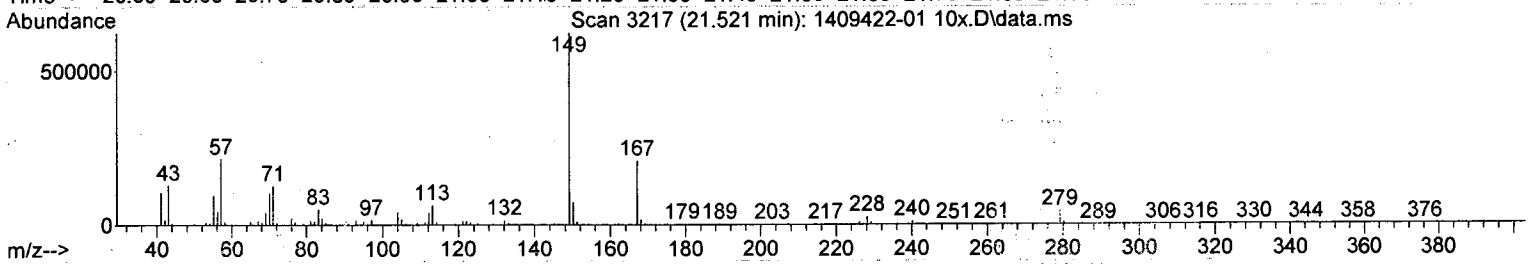
Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	69.34#
0.00	0.00	0.00
0.00	0.00	0.00

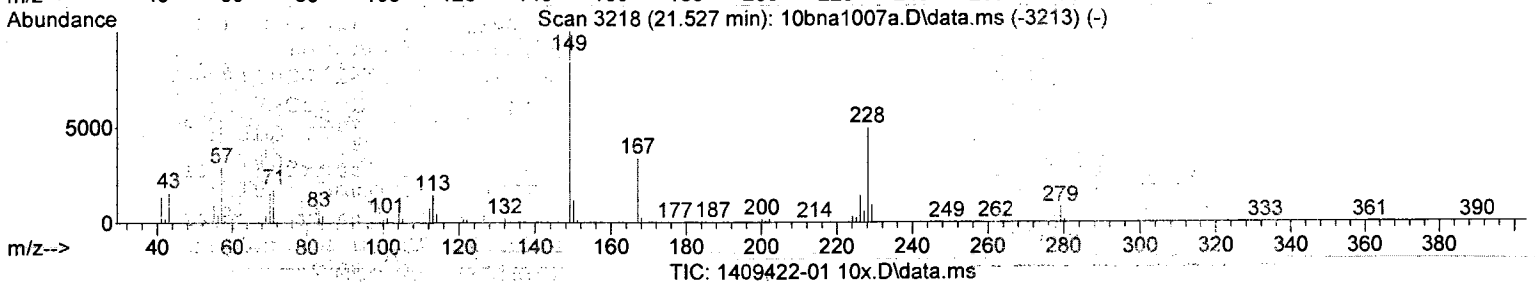
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







(87) Bis(2-ethylhexyl)phthalate

21.521min (-0.006) 3.91 ng/uL

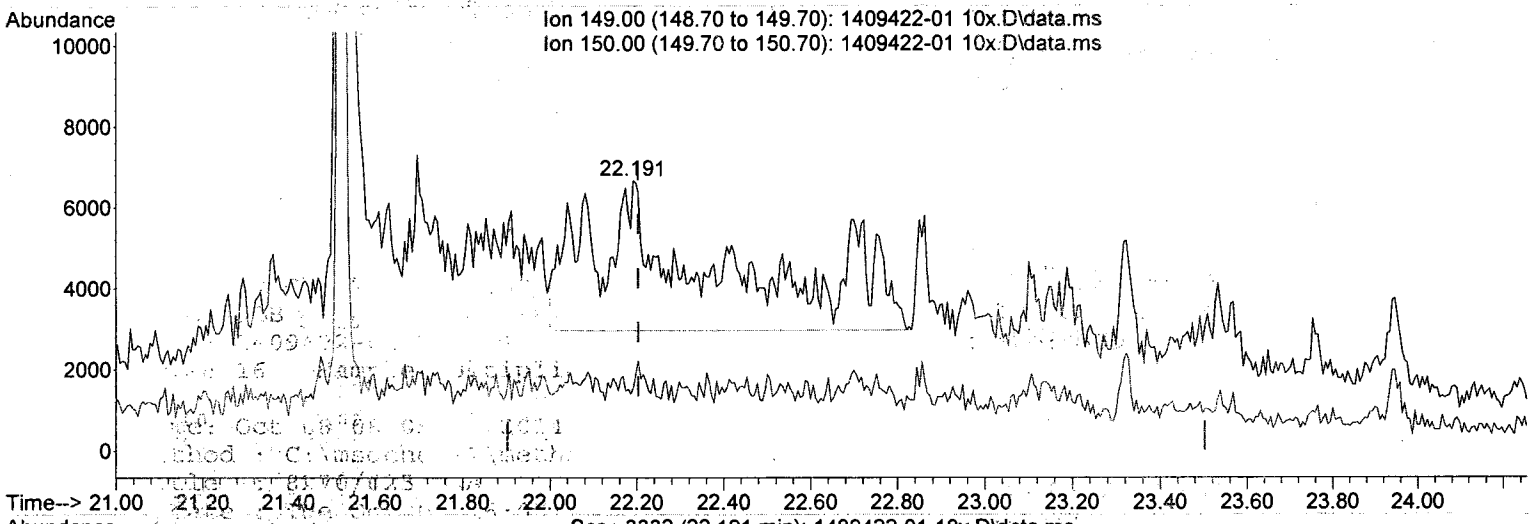
response 547914

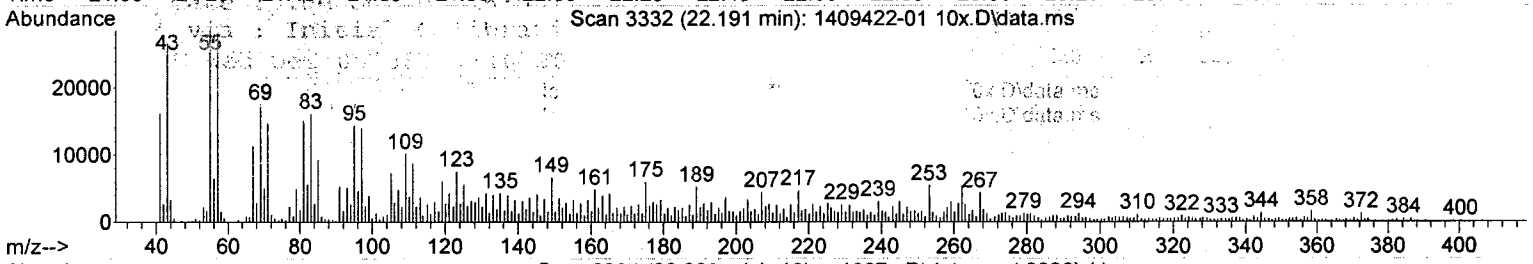
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.53
0.00	0.00	0.00
0.00	0.00	0.00

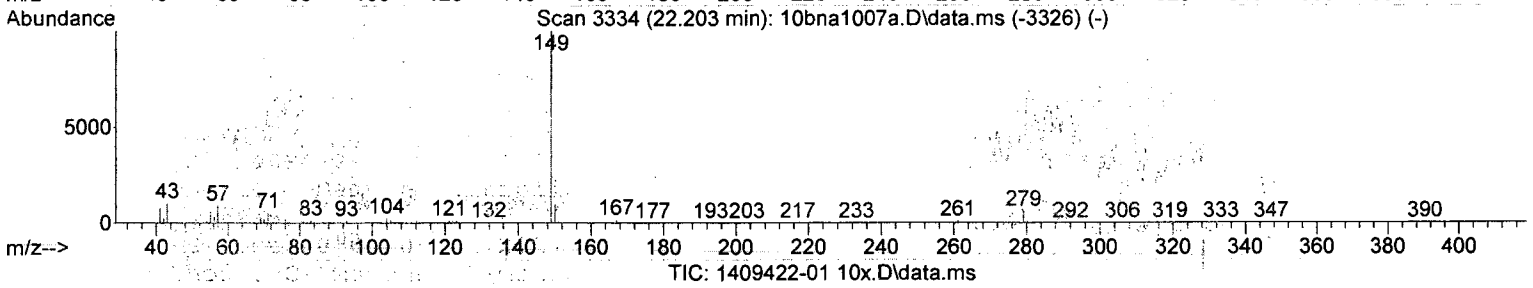
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409422-01 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.191min (-0.012) 0.64 ng/uL

response 77188

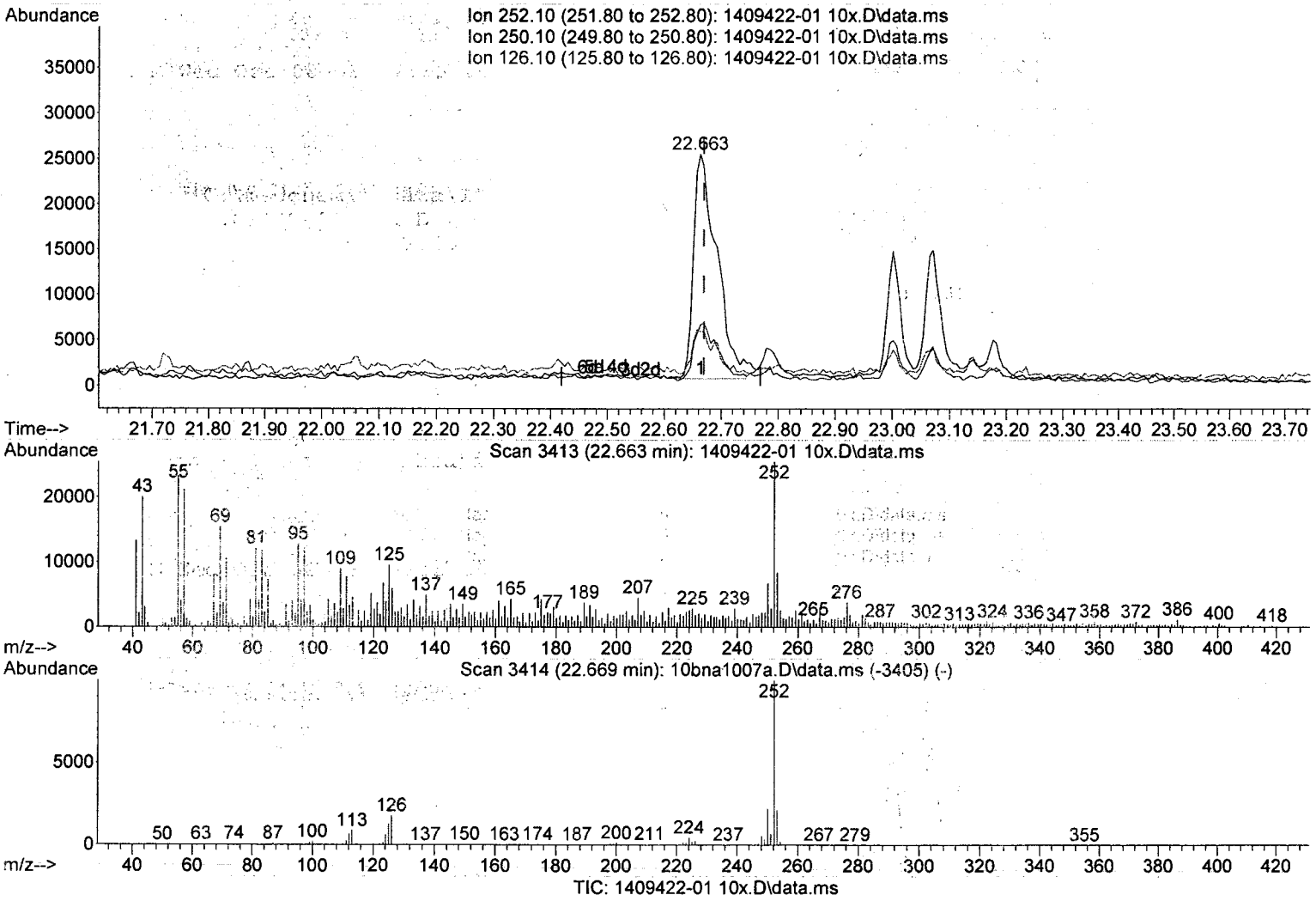
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.27#
0.00	0.00	0.00
0.00	0.00	0.00

PP

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(90) Benzo(b)fluoroanthene

22.663min (-0.006) 0.96 ng/uL

response 69929

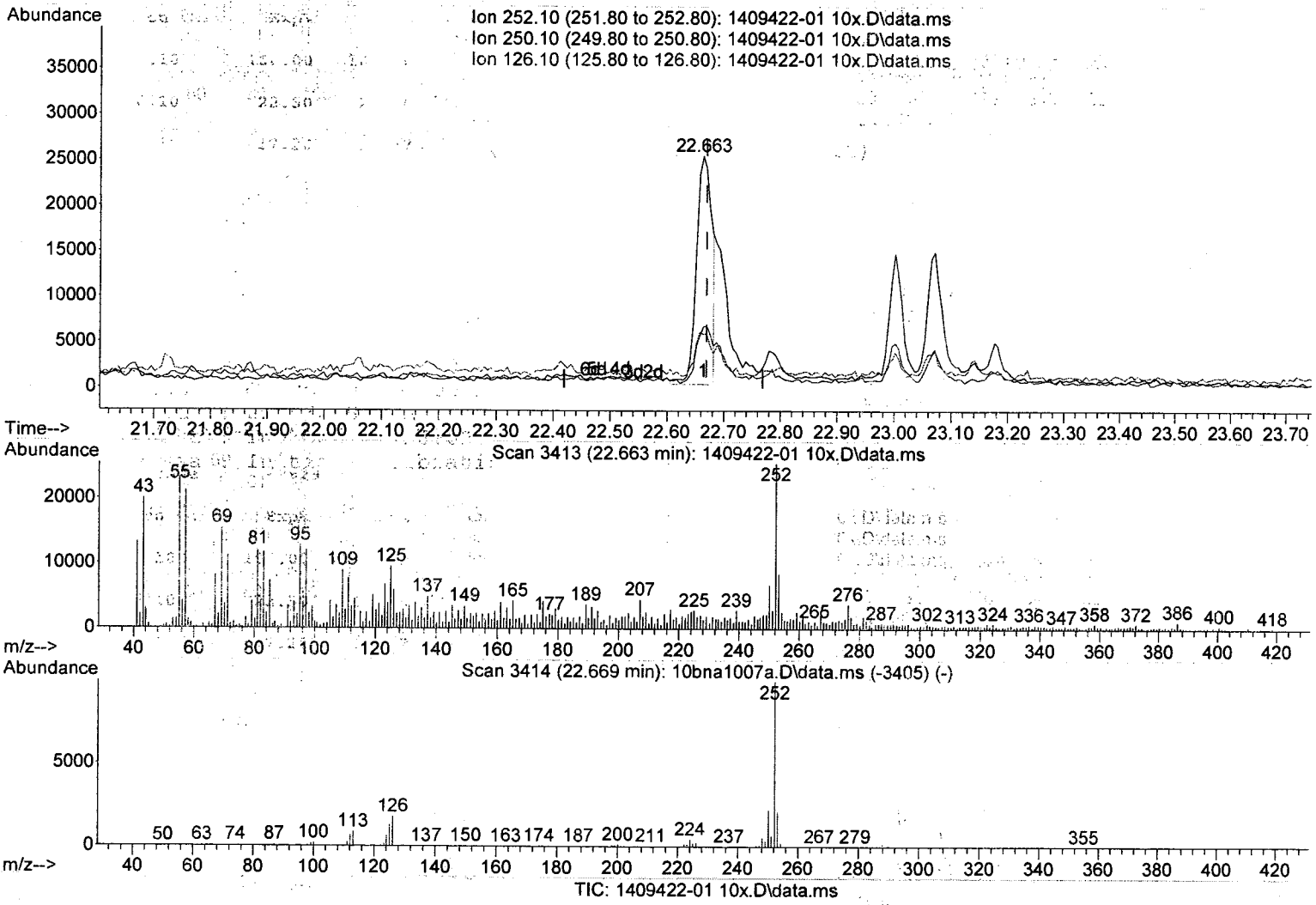
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	12.50	26.90
126.10	17.20	19.47
0.00	0.00	0.00

JW 10/8/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(90) Benzo(b)fluoroanthene

22.663min (-0.006) 0.64 ng/uL m

response 47143

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	39.90#
126.10	17.20	28.88#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) No

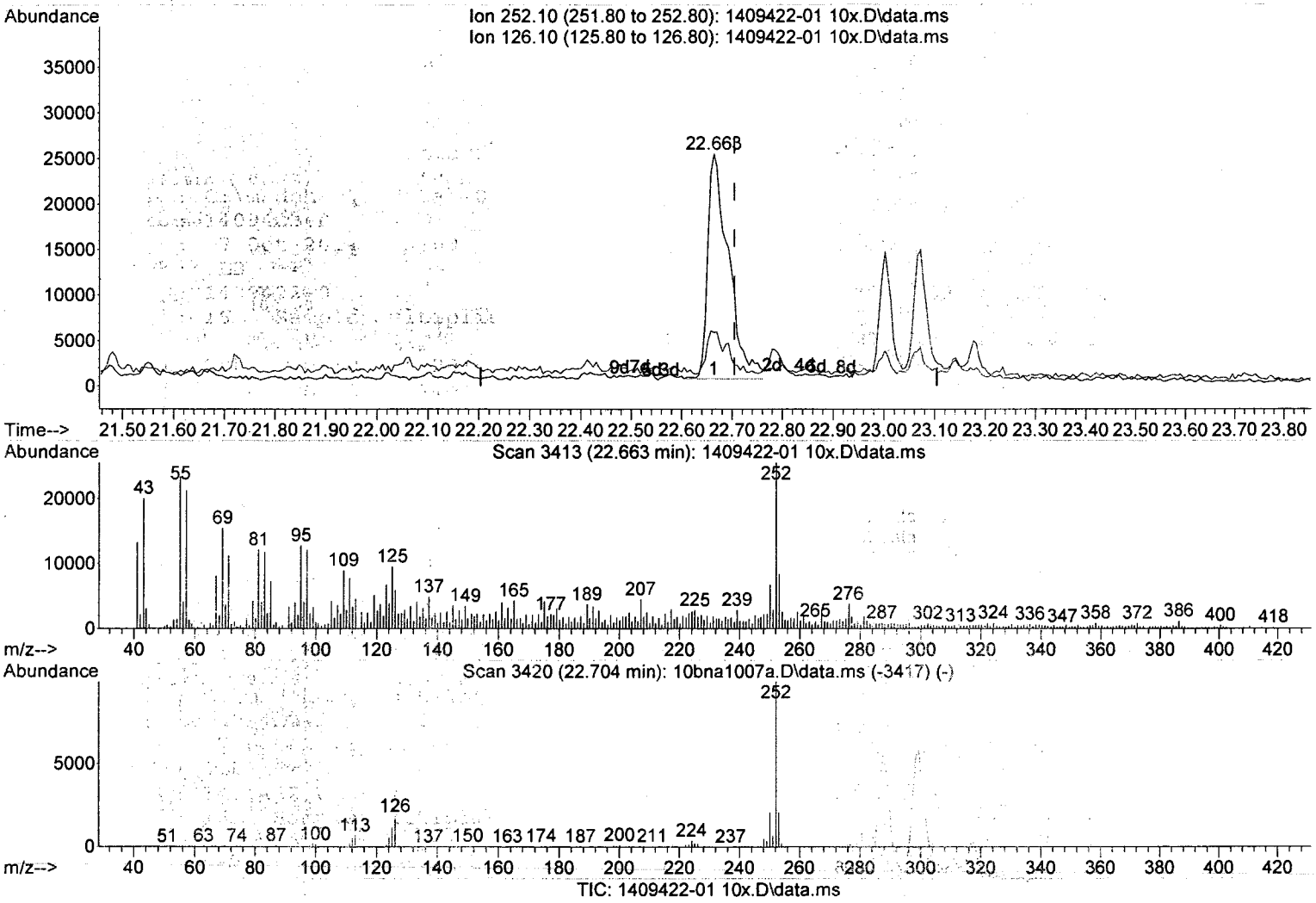
Analyst: JLB Date: 10/8/14

Reviewed By: HSC Date: 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.663min (-0.041) 0.86 ng/uL

response 71306

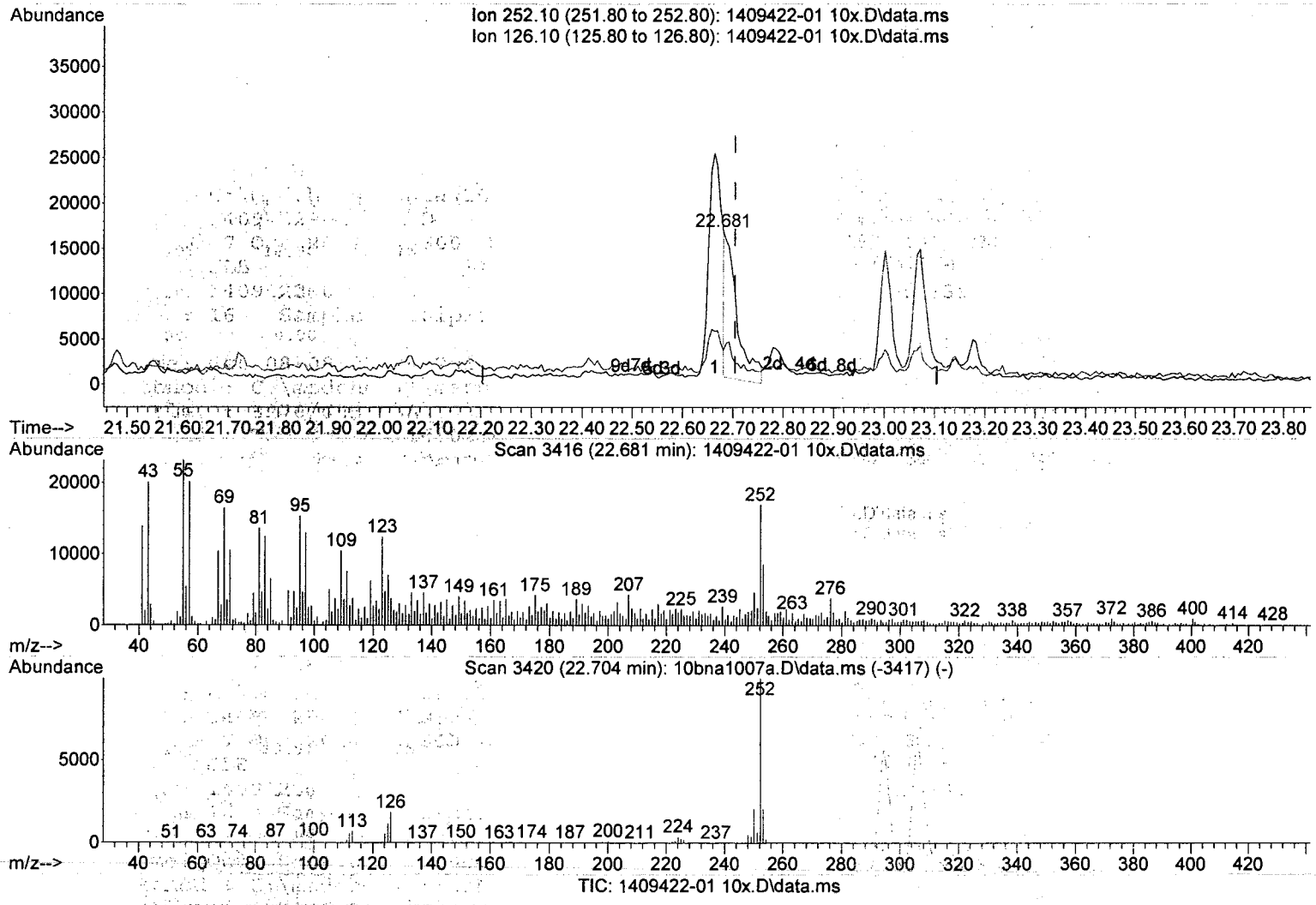
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	19.13
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/8/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.681min (-0.023) 0.33 ng/uL m

response 26942

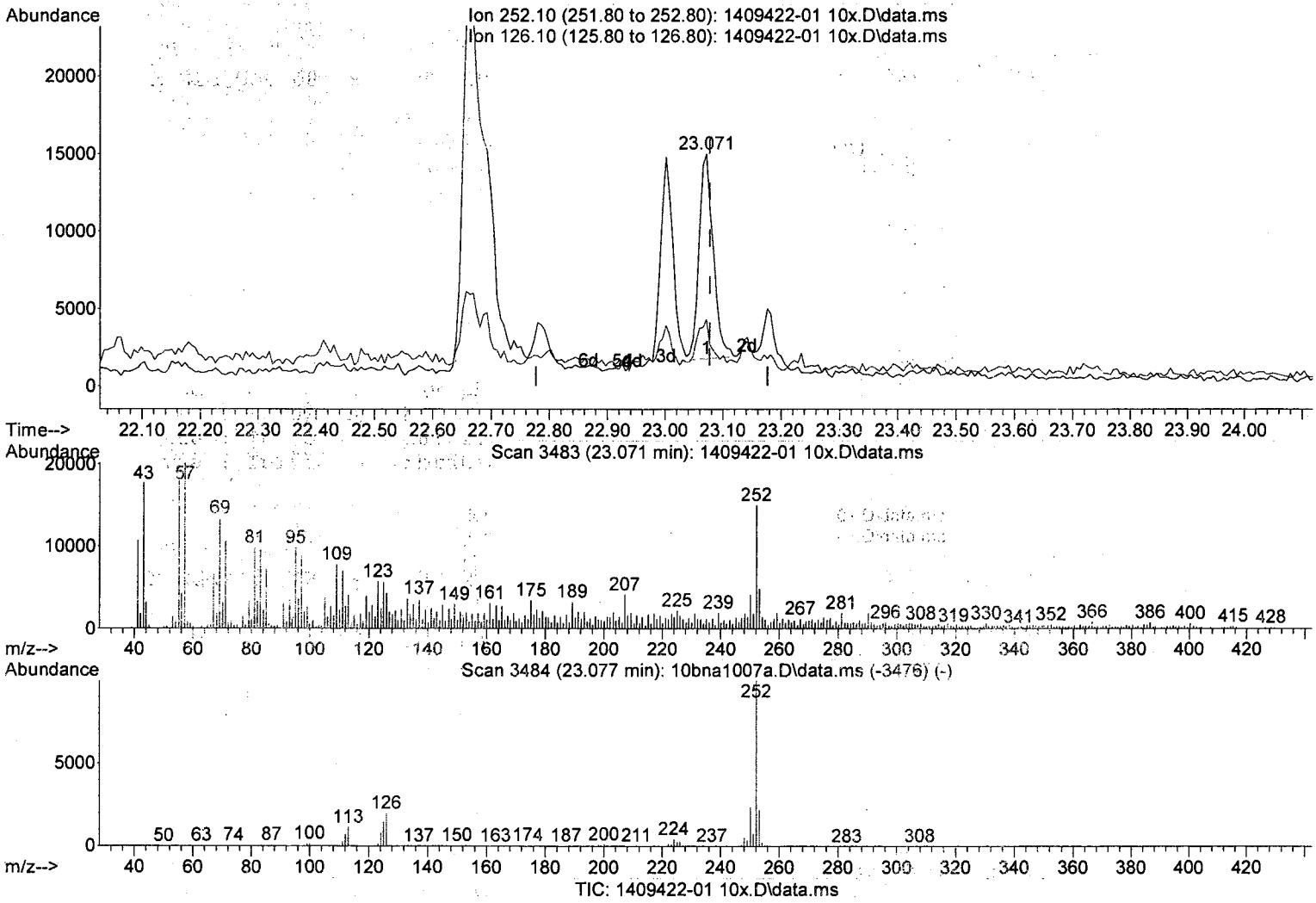
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	50.64#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: (Yes) No
Analyst: JLB Date: 10/8/14
Reviewed By: ASC Date: 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(92) Benzo(e)pyrene (C)

23.071min (-0.006) 0.33 ng/uL

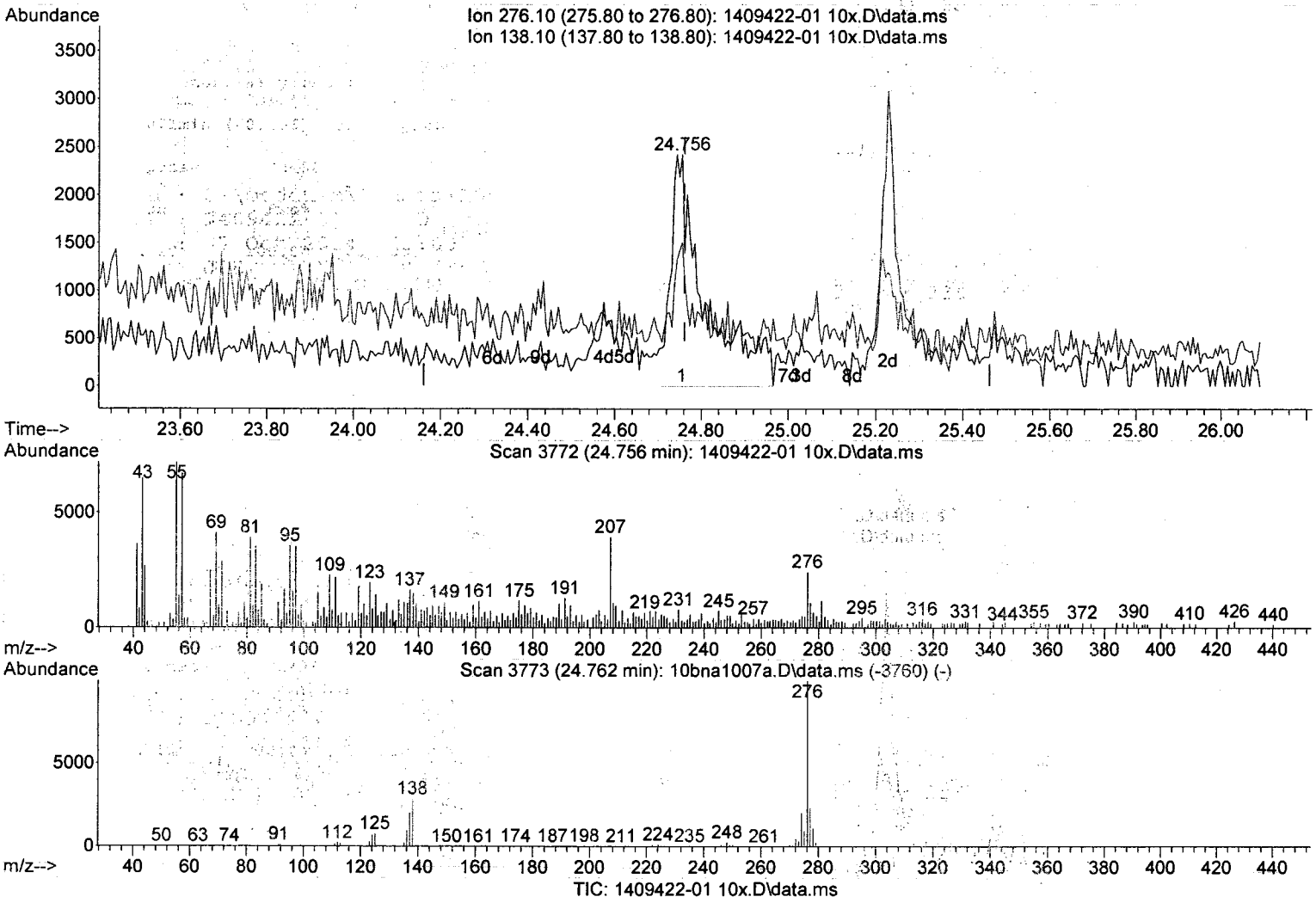
response 22496

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	19.10
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-01 10x.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.756min (-0.006) 0.22 ng/uL

response 12926

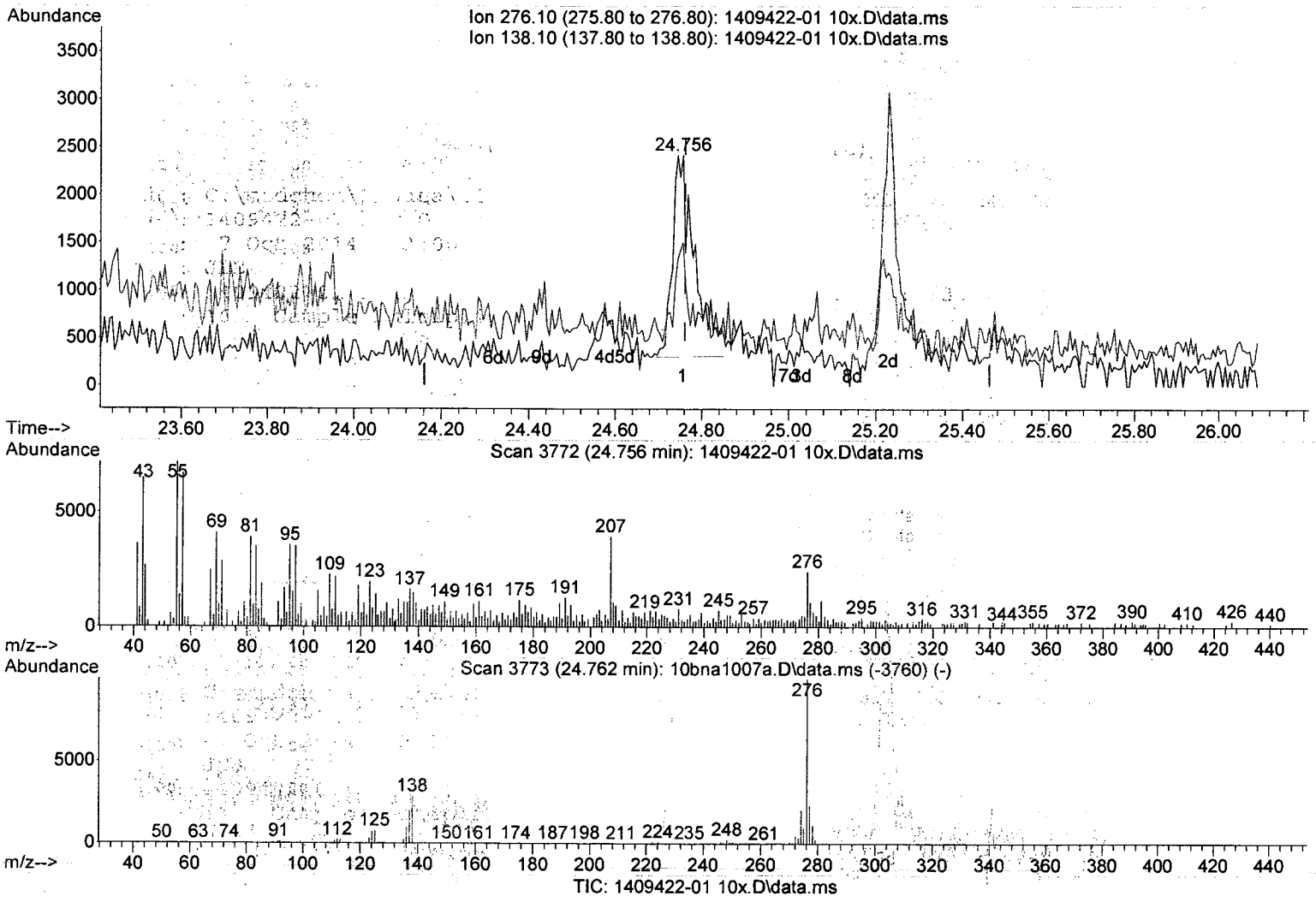
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	15.10#
0.00	0.00	0.00
0.00	0.00	0.00

JWS 10/8/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(93) Indeno(1,2,3-cd)pyrene

24.756min (-0.006) 0.13 ng/uL m

response 7565

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	25.80
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

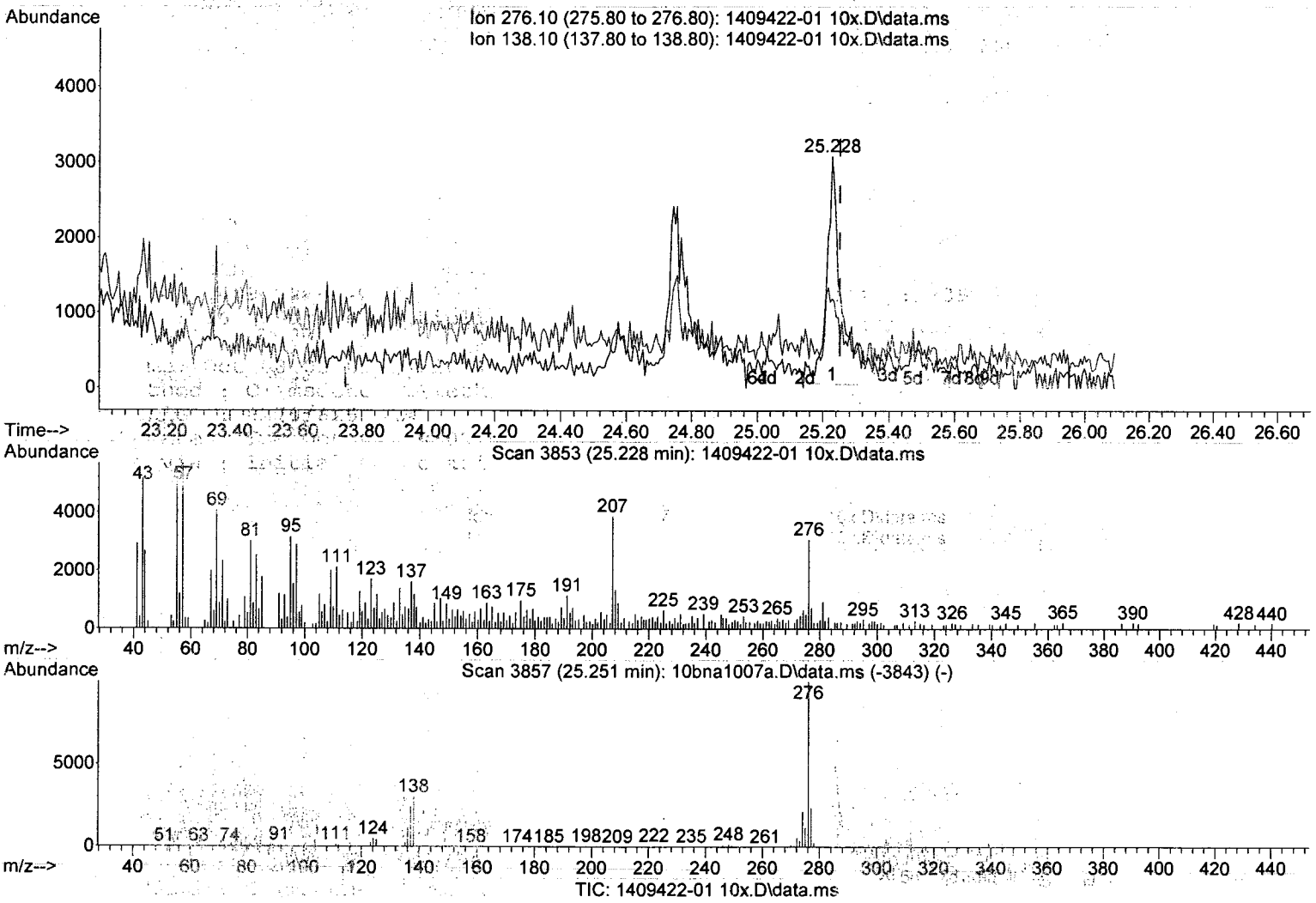
Analyst: _____ Date: 10/8/14

Reviewed By: _____ Date: 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-01 10x.D
Acq On : 7 Oct 2014 23:00
Operator : JLB
Sample : 1409422-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 08:05:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.228min (-0.023) 0.18 ng/uL

response 9497

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	26.44
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB16-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-01RE1 File ID: 1409422-01 20x.D

Sampled: 09/23/14 11:00 Prepared: 09/30/14 07:32 Analyzed: 10/08/14 11:29

Solids: 95.20 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08051 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	20	350	97	350	350	U
208-96-8	Acenaphthylene	20	350	88	350	350	U
120-12-7	Anthracene	20	350	84	350	350	U
56-55-3	Benzo(a)anthracene	20	170	58	180	350	J
50-32-8	Benzo(a)pyrene	20	120	48	180	350	J
205-99-2	Benzo(b)fluoranthene	20	210	40	180	350	J
207-08-9	Benzo(k)fluoranthene	20	80	41	180	350	J
191-24-2	Benzo(g,h,i)perylene	20	73	40	180	700	J
65-85-0	Benzoic Acid	20	3500	1500	3500	7000	U
100-51-6	Benzyl Alcohol	20	350	97	350	350	U
101-55-3	4-Bromophenyl Phenyl Ether	20	350	85	350	350	U
85-68-7	Butyl Benzyl Phthalate	20	140	84	350	700	J
86-74-8	Carbazole	20	350	85	350	3500	U
59-50-7	4-Chloro-3-methylphenol	20	350	110	350	350	U
106-47-8	4-Chloroaniline	20	350	190	350	1400	U
111-91-1	Bis(2-chloroethoxy)methane	20	350	85	350	350	U
111-44-4	Bis(2-chloroethyl) Ether	20	350	83	350	350	U
108-60-1	Bis(2-chloroisopropyl) Ether	20	180	77	180	350	U
91-58-7	2-Chloronaphthalene	20	350	100	350	350	U
95-57-8	2-Chlorophenol	20	350	83	350	350	U
7005-72-3	4-Chlorophenyl Phenyl Ether	20	350	80	350	350	U
218-01-9	Chrysene	20	180	82	350	350	J
53-70-3	Dibenz(a,h)anthracene	20	180	40	180	700	U
132-64-9	Dibenzofuran	20	350	100	350	350	U
84-74-2	Di-n-butyl Phthalate	20	700	280	700	1400	U
106-46-7	1,4-Dichlorobenzene	20	350	100	350	350	U
95-50-1	1,2-Dichlorobenzene	20	350	110	350	350	U
541-73-1	1,3-Dichlorobenzene	20	350	120	350	350	U
91-94-1	3,3´-Dichlorobenzidine	20	14000	5800	14000	18000	U
120-83-2	2,4-Dichlorophenol	20	350	86	350	700	U
84-66-2	Diethyl Phthalate	20	350	100	350	350	U
105-67-9	2,4-Dimethylphenol	20	2800	760	2800	3500	U
131-11-3	Dimethyl Phthalate	20	350	99	350	350	U
534-52-1	4,6-Dinitro-2-methylphenol	20	1400	450	1400	3500	U
51-28-5	2,4-Dinitrophenol	20	3500	1200	3500	3500	U
606-20-2	2,6-Dinitrotoluene	20	180	84	180	350	U
121-14-2	2,4-Dinitrotoluene	20	180	69	180	700	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB16-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-01RE1 File ID: 1409422-01 20x.D

Sampled: 09/23/14 11:00 Prepared: 09/30/14 07:32 Analyzed: 10/08/14 11:29

Solids: 95.20 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08051 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	20	350	81	350	350	U
122-66-7	1,2-Diphenylhydrazine	20	180	71	180	350	U
117-81-7	Bis(2-ethylhexyl) Phthalate	20	1500	240	350	700	B
206-44-0	Fluoranthene	20	390	94	350	350	
86-73-7	Fluorene	20	350	85	350	700	U
118-74-1	Hexachlorobenzene	20	350	100	350	350	U
87-68-3	Hexachlorobutadiene	20	350	96	350	350	U
67-72-1	Hexachloroethane	20	350	110	350	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	20	73	56	180	700	J
78-59-1	Isophorone	20	350	81	350	350	U
91-57-6	2-Methylnaphthalene	20	350	96	350	350	U
108-39-4	3+4-Methylphenol	20	180	77	180	350	U
95-48-7	2-Methylphenol	20	180	75	180	350	U
91-20-3	Naphthalene	20	350	120	350	350	U
100-01-6	4-Nitroaniline	20	1400	510	1400	6900	U
88-74-4	2-Nitroaniline	20	180	75	180	350	U
99-09-2	3-Nitroaniline	20	700	340	700	6900	U
98-95-3	Nitrobenzene	20	350	97	350	350	U
88-75-5	2-Nitrophenol	20	350	94	350	350	U
100-02-7	4-Nitrophenol	20	7000	2100	7000	14000	U
62-75-9	N-Nitroso-dimethylamine	20	140	70	140	700	U
86-30-6	N-Nitroso-diphenylamine	20	180	72	180	350	U
621-64-7	N-Nitroso-di-n-propylamine	20	350	85	350	350	U
87-86-5	Pentachlorophenol	20	350	280	350	3500	U
85-01-8	Phenanthrene	20	400	86	350	350	
108-95-2	Phenol	20	350	82	350	3500	U
129-00-0	Pyrene	20	370	91	350	350	
120-82-1	1,2,4-Trichlorobenzene	20	350	93	350	350	U
95-95-4	2,4,5-Trichlorophenol	20	350	94	350	350	U
88-06-2	2,4,6-Trichlorophenol	20	180	53	180	350	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	727	632	87	33 - 113	D
Phenol-d6	727	625	86	30 - 115	D
Nitrobenzene-d5	363	320	88	33 - 131	D
2-Fluorobiphenyl	363	363	100	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB16-12

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-01RE1
File ID: 1409422-01 20x.D
Sampled: 09/23/14 11:00
Prepared: 09/30/14 07:32
Analyzed: 10/08/14 11:29
Solids: 95.20
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08051
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	727	458	63	12 - 124	D
o-Terphenyl	363	407	112	20 - 155	D

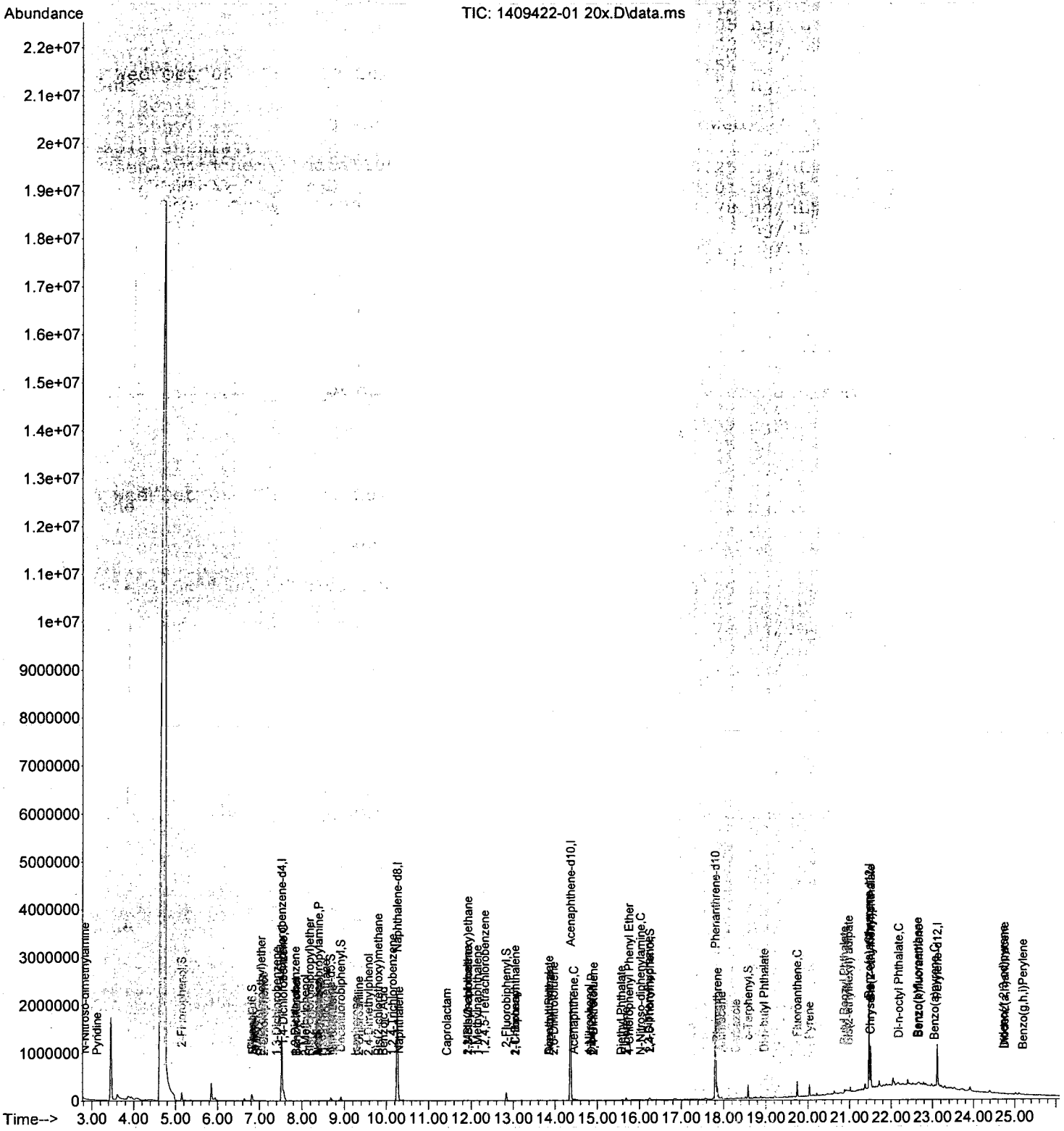
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	466561	7.521	403279	7.614	
Naphthalene-d8	1756783	10.26	1529030	10.359	
Acenaphthene-d10	965202	14.369	866604	14.474	
Phenanthrene-d10	1353055	17.808	1400442	17.901	
Chrysene-d12	920837	21.468	1153654	21.538	
Perylene-d12	507586	23.118	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : Q:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:16:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:16:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.521	152	466561	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.260	136	1756783	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.369	164	965202	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.808	188	1353055	5.00	ng/uL		0.00
81) Chrysene-d12	21.468	240	920837	5.00	ng/uL	#	0.00
89) Perylene-d12	23.118	264	507586	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.148	112	93244	0.87	ng/uL		0.04
6) Phenol-d6	6.821	99	119148	0.86	ng/uL		0.00
21) Nitrobenzene-d5	8.680	82	49457	0.44	ng/uL		-0.02
23) Decafluorobiphenyl	8.914	334	38329	0.49	ng/uL		-0.01
47) 2-Fluorobiphenyl	12.830	172	99099	0.50	ng/uL		-0.02
70) 2,4,6-Tribromophenol	16.252	330	12942	0.63	ng/uL		0.00
78) o-Terphenyl	18.577	230	64775	0.56	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.828	74	131	0.00	ng/uL	#	1
3) Pyridine	3.120	79	111	0.00	ng/uL	#	14
5) Aniline	6.891	93	254	0.22	ng/uL	#	1
7) Phenol	6.844	94	1143	0.01	ng/uL	#	1
8) Bis(2-chloroethyl)ether	7.043	93	143	0.00	ng/uL	#	1
9) 2-Chlorophenol	7.101	128	322	0.00	ng/uL	#	60
10) 1,3-Dichlorobenzene	7.404	146	380	0.00	ng/uL	#	34
11) 1,4-Dichlorobenzene	7.556	146	251	0.00	ng/uL	#	1
12) 1,2-Dichlorobenzene	7.847	146	389	0.00	ng/uL	#	55
13) Bis(2-chloroisipropyl)...	8.179	45	239	0.00	ng/uL	#	51
14) Benzyl Alconol	7.864	108	109	0.00	ng/uL		89
15) 2-Methylphenol	8.080	108	126	0.00	ng/uL	#	80
16) Acetophenone	8.377	105	770	0.00	ng/uL	#	82
17) Hexachloroethane	8.564	119	185	0.00	ng/uL	#	3
18) 4-Methylphenol	8.406	108	328	0.00	ng/uL	#	1
19) N-Nitroso-di-n-propyla...	8.395	70	480	0.01	ng/uL	#	73
22) Nitrobenzene	8.721	77	764	0.01	ng/uL	#	37
24) Isophorone	9.269	82	830	0.00	ng/uL	#	58
25) 2-Chloroaniline	9.351	127	76	0.00	ng/uL	#	1
26) 2-Nitrophenol	0.000		0	N.D.			
27) 2,4-Dimethylphenol	9.578	107	368	0.00	ng/uL	#	5
28) Bis(2-chlorethoxy)methane	9.805	93	539	0.00	ng/uL	#	67
29) 2,4-Dichlorophenol	0.000		0	N.D.			
30) Benzoic Acid	9.928	105	247	~~2.46~~	ng/uL	#	11
31) 1,2,4-Trichlorobenzene	10.149	180	214	0.00	ng/uL	#	33
32) Naphthalene	10.301	128	8106	0.02	ng/uL	#	1
33) 4-Chloroaniline	0.000		0	N.D.			
34) 2,6-Dichlorophenol	0.000		0	N.D.			
35) Hexachloroburadiene	0.000		0	N.D.			
36) Caprolactam	11.426	55	6298	0.12	ng/uL	#	29
37) 1,2-Bis(2-chloroethoxy...	11.927	63	240	0.00	ng/uL	#	100
38) 4-Chloro-3-methylphenol	0.000		0	N.D.			
39) 2-Methylnaphthalene	11.921	142	5166	0.02	ng/uL		96
40) 1-Methylnaphthalene	12.143	142	4313	0.02	ng/uL		89
41) 1,3 Dinitrobenzene	0.000		0	N.D.			

002100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:16:59 2014
Quant Method: C:\msdchem\1\methods\100414bna.M
Quant Title: 8270/625 BNA
QLast Update: Wed Oct 08 14:02:40 2014
Response via: Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.323	216	144	0.00 ng/uL#	55
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.046	162	407	0.00 ng/uL	94
49) 1,1'-Biphenyl	13.046	154	1374	0.01 ng/uL#	86
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.862	152	269	0.00 ng/uL	97
52) 2,6-Dinitrotoluene	13.967	165	234	0.00 ng/uL#	40
53) Dimethyl Phthalate	13.856	163	1329	0.01 ng/uL#	35
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.439	153	7378	0.04 ng/uL	99
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.859	168	7721	0.03 ng/uL	99
58) 4-Nitrophenol	14.812	65	132	0.00 ng/uL#	14
59) 2,4-Dinitrotoluene	14.905	165	281	0.00 ng/uL#	13
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.675	166	11638	0.05 ng/uL#	93
63) Diethyl Phthalate	15.564	149	2690	0.01 ng/uL#	90
64) 4-Chlorophenyl Phenyl ...	15.751	204	162	0.00 ng/uL#	34
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.030	169	1591	0.01 ng/uL#	56
69) 1,2-Diphenylhydrazine	16.229	182	60	0.00 ng/uL	96
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	0.000		0	N.D.	
75) Phenanthrene	17.855	178	145248	0.55 ng/uL	100
76) Anthracene	17.948	178	22511	0.09 ng/uL#	89
77) Carbazole	18.286	167	11287	0.05 ng/uL#	87
79) Di-n-butyl Phthalate	18.962	149	5188	0.02 ng/uL#	59
80) Fluoranthene	19.749	202	134979	0.51 ng/uL	98
82) Pyrene	20.035	202	112030	0.51 ng/uL	95
83) Butyl Benzyl Phthalate	20.874	149	16302	0.19 ng/uL	92
84) Bis(2-ethylhexyl) adipate	20.973	129	6582	0.15 ng/uL#	100
85) Benzo(a)anthracene	21.457	228	40211	0.24 ng/uL#	87
86) Chrysene	21.492	228	40407	0.25 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.503	149	222296	2.01 ng/uL	91
88) Di-n-octyl Phthalate	22.180	149	88826	pp 0.56 ng/uL#	76
90) Benzo(b)fluoroanthene	22.640	252	26928m	0.29 ng/uL	
91) Benzo(k)fluoranthene	22.669	252	11597m	0.11 ng/uL	
92) Benzo(a)pyrene	23.048	252	14798	0.17 ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.721	276	7708	0.10 ng/uL#	85
94) Dibdenz(a,h)anthracene	24.750	278	2148	0.03 ng/uL	95
95) Benzo(g,h,i)Perylene	25.193	276	6548	0.10 ng/uL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 13:56:26 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 13:53:10 2014
Response via : Initial Calibration

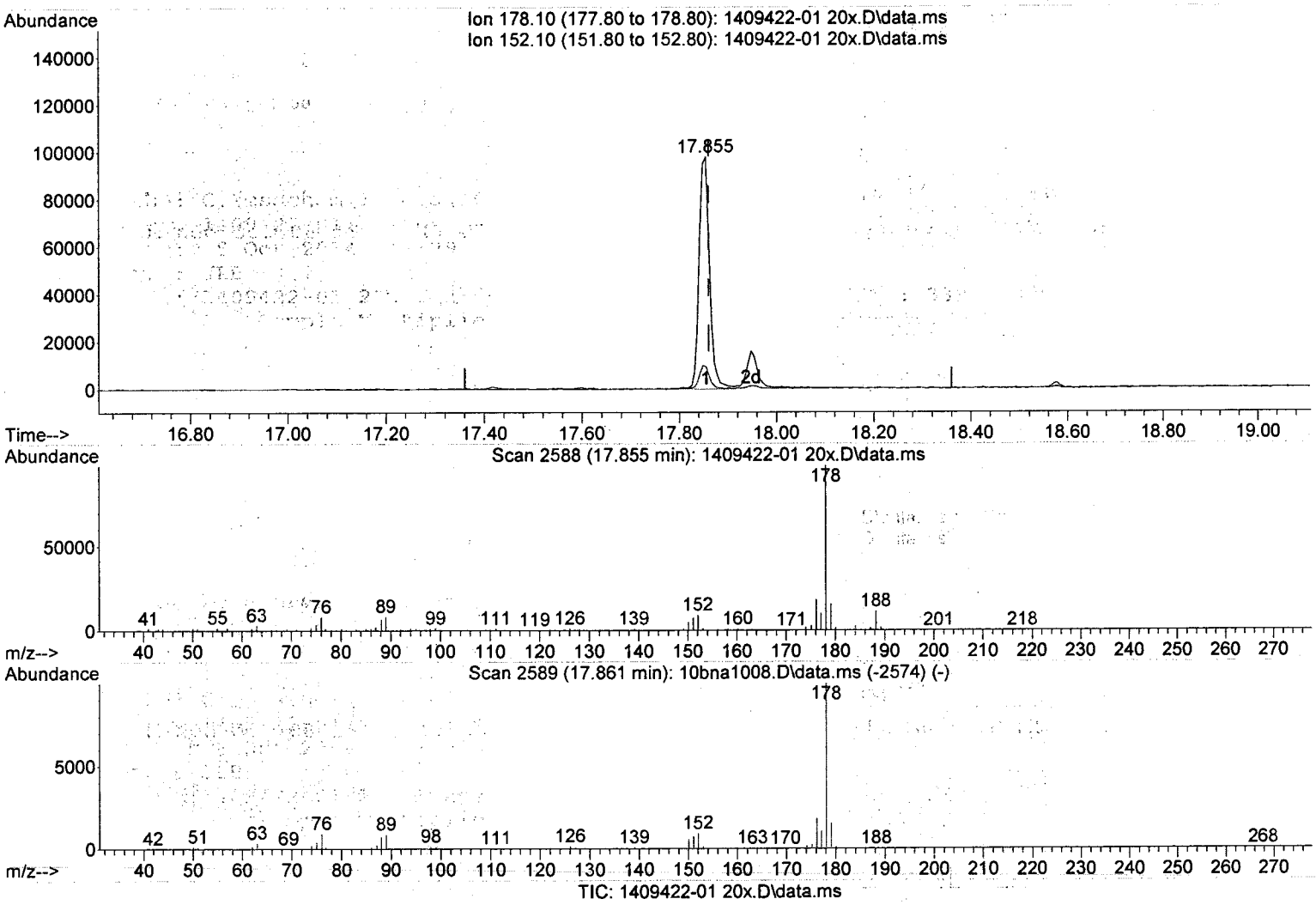
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.521	152	456328	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.260	136	1756783	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.369	164	955248	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.808	188	1353055	5.00	ng/uL	0.00
19) Chrysene-d12	21.468	240	920997	5.00	ng/uL	# 0.00
22) Perylene-d12	23.118	264	518655	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.828	74	131	0.00	ng/uL#	1
3) Pyridine	2.823	79	183	0.00	ng/uL	91
4) Aniline	6.891	93	254	0.00	ng/uL#	1
5) Benzaldehyde	6.681	105	1848	0.02	ng/uL#	1
6) Acetophenone	8.377	105	770	0.00	ng/uL#	82
7) N-Nitroso-di-n-propyla...	8.395	70	480	0.01	ng/uL#	73
9) 4-Chloroaniline	10.301	127	979	0.02	ng/uL	97
10) Caprolactam	11.251	55	1077	0.11	ng/uL#	30
12) 1,1'-Biphenyl	13.046	154	1374	0.00	ng/uL#	86
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	15.360	138	66	Below Cal	#	1
17) N-Nitroso-diphenylamine	16.030	169	1591	0.01	ng/uL#	56
18) Atrazine	0.000		0	N.D.		
20) Benzidine	20.011	184	1323	0.42	ng/uL#	71
21) 3,3'-Dichlorobenzidine	21.189	252	216	0.00	ng/uL	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration



TIC: 1409422-01 20x.D\data.ms

(75) Phenanthrene

17.855min (-0.006) 0.55 ng/uL

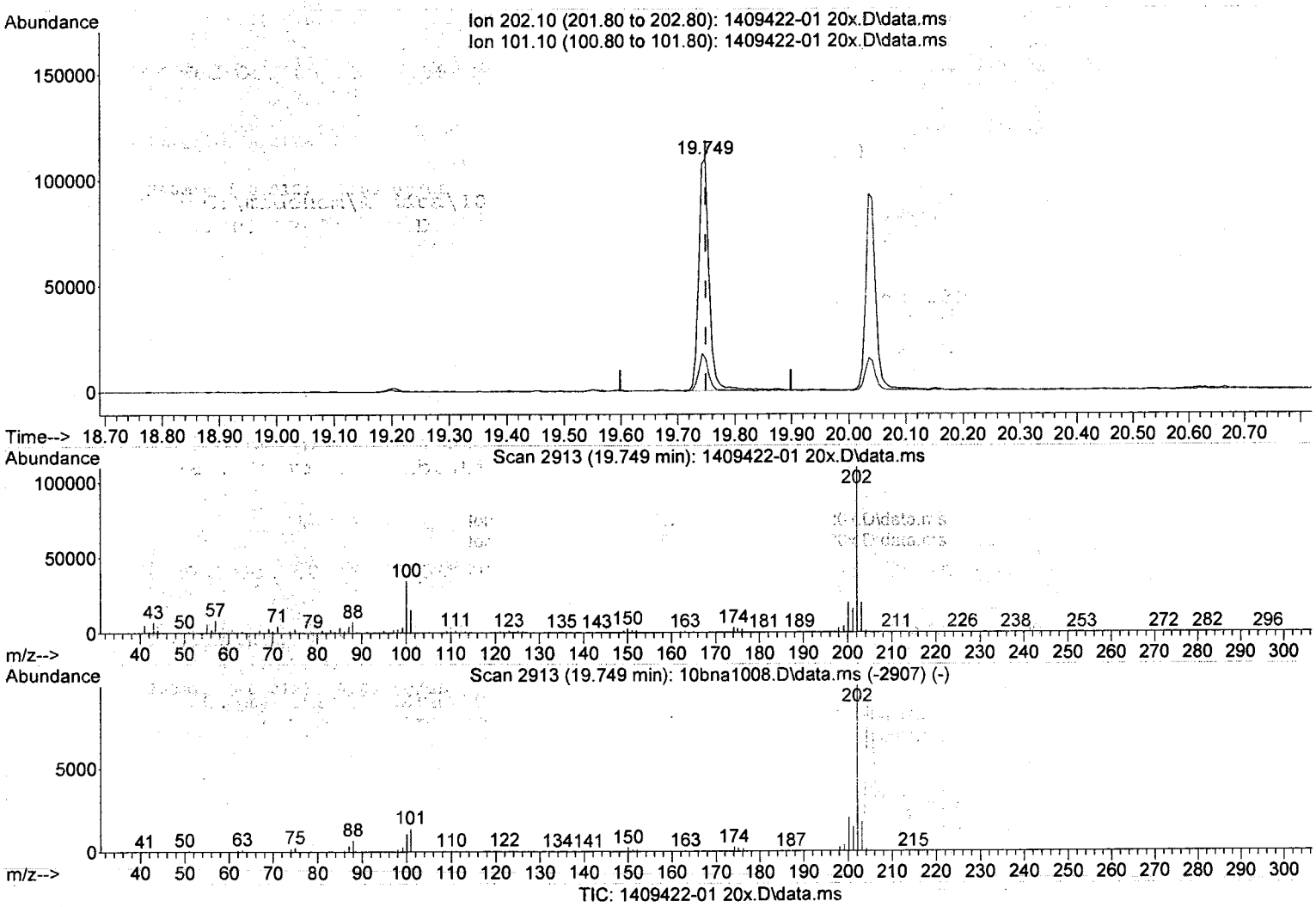
response 145248

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	10.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration



TIC: 1409422-01 20x.D\data.ms

(80) Fluoroanthene (C)

19.749min (-0.000) 0.54 ng/uL

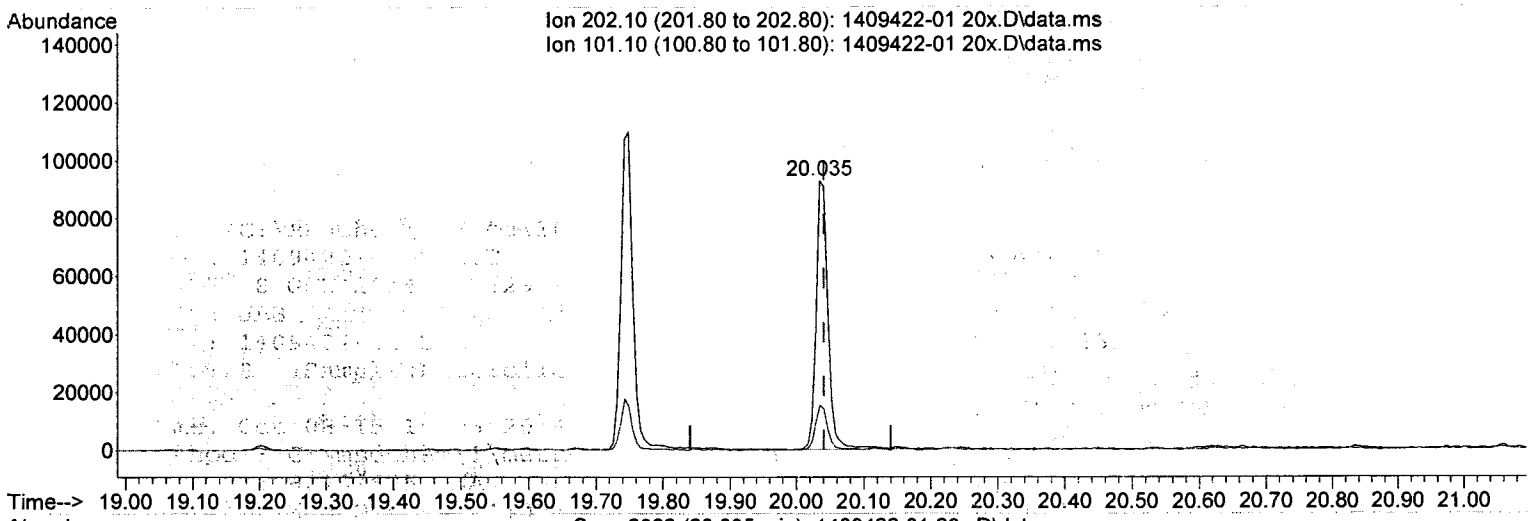
response 134979

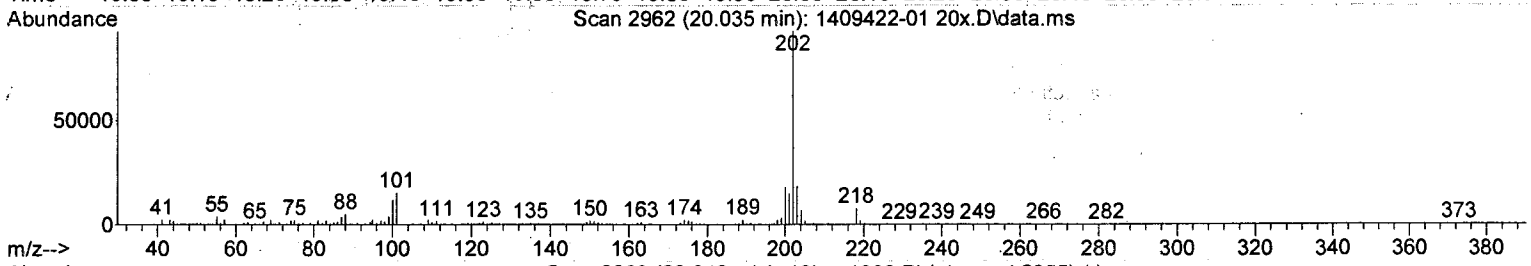
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	15.27
0.00	0.00	0.00
0.00	0.00	0.00

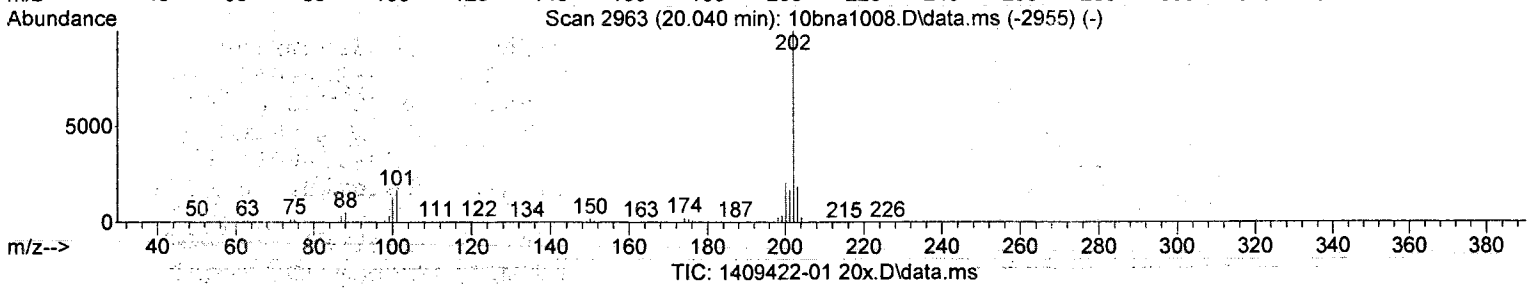
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration







TIC: 1409422-01 20x.D\data.ms

(82) Pyrene

20.035min (-0.006) 0.51 ng/uL

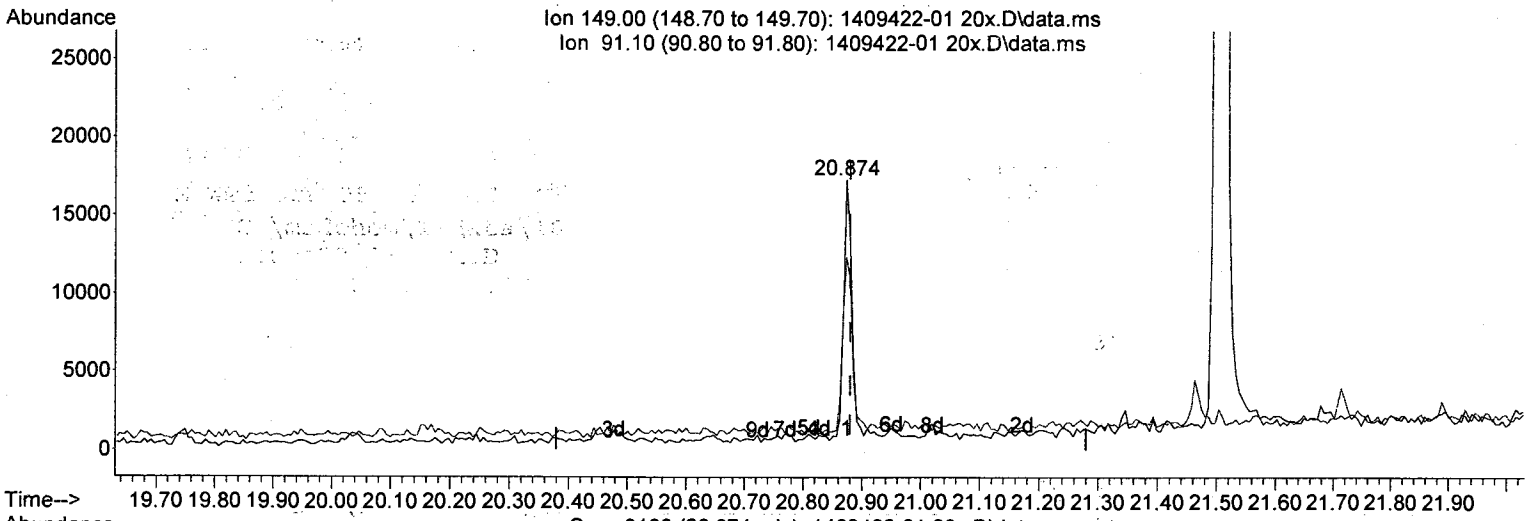
response 112030

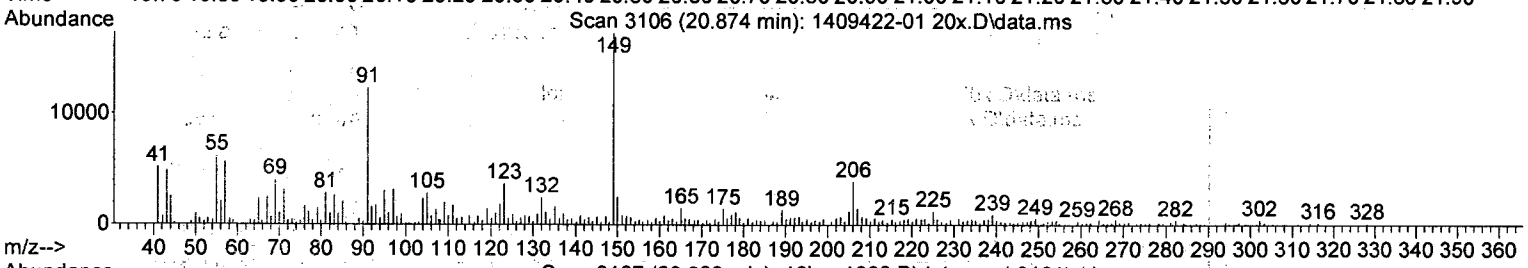
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	18.15
0.00	0.00	0.00
0.00	0.00	0.00

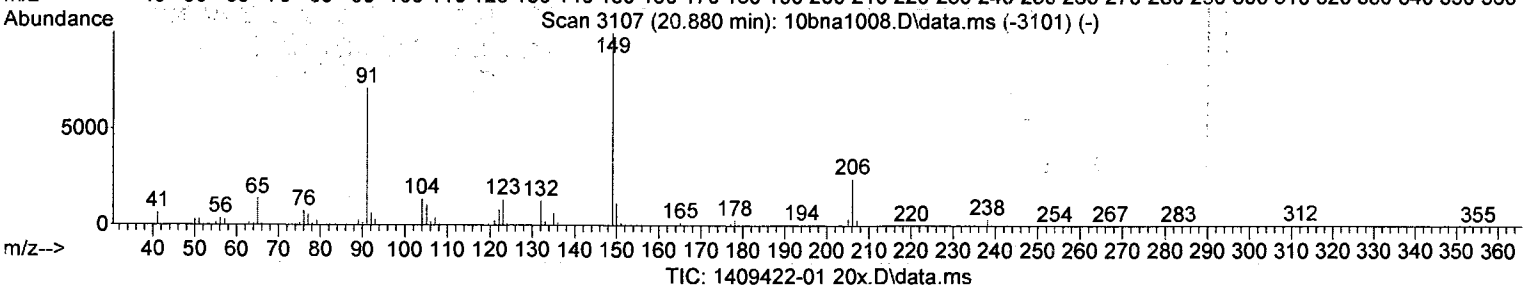
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration







TIC: 1409422-01 20x.D\data.ms

(83) Butyl Benzyl Phthalate

20.874min (-0.006) 0.19 ng/uL

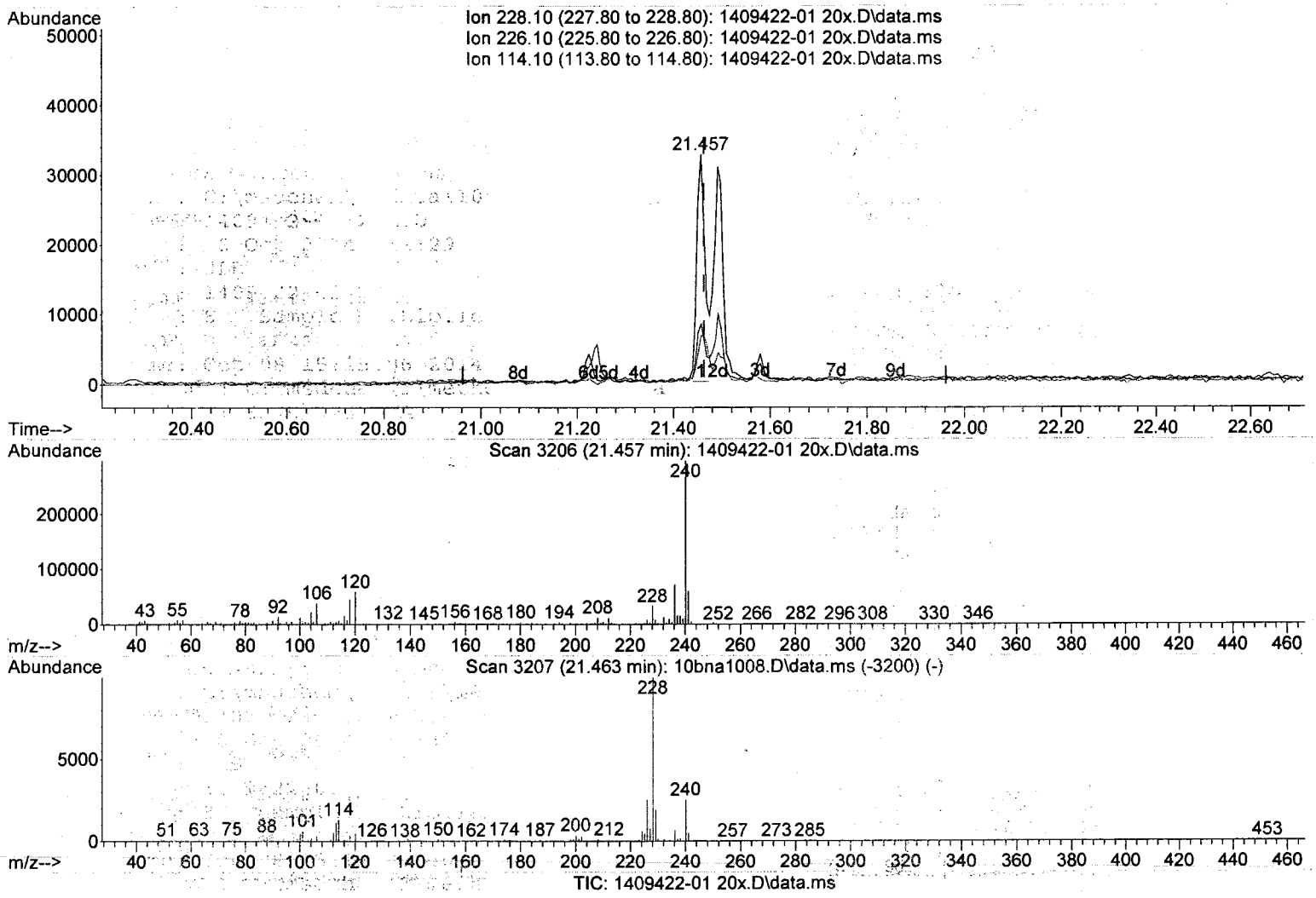
response 16302

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	77.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration



(85) Benzo(a)anthracene

21.457min (-0.006) 0.24 ng/uL

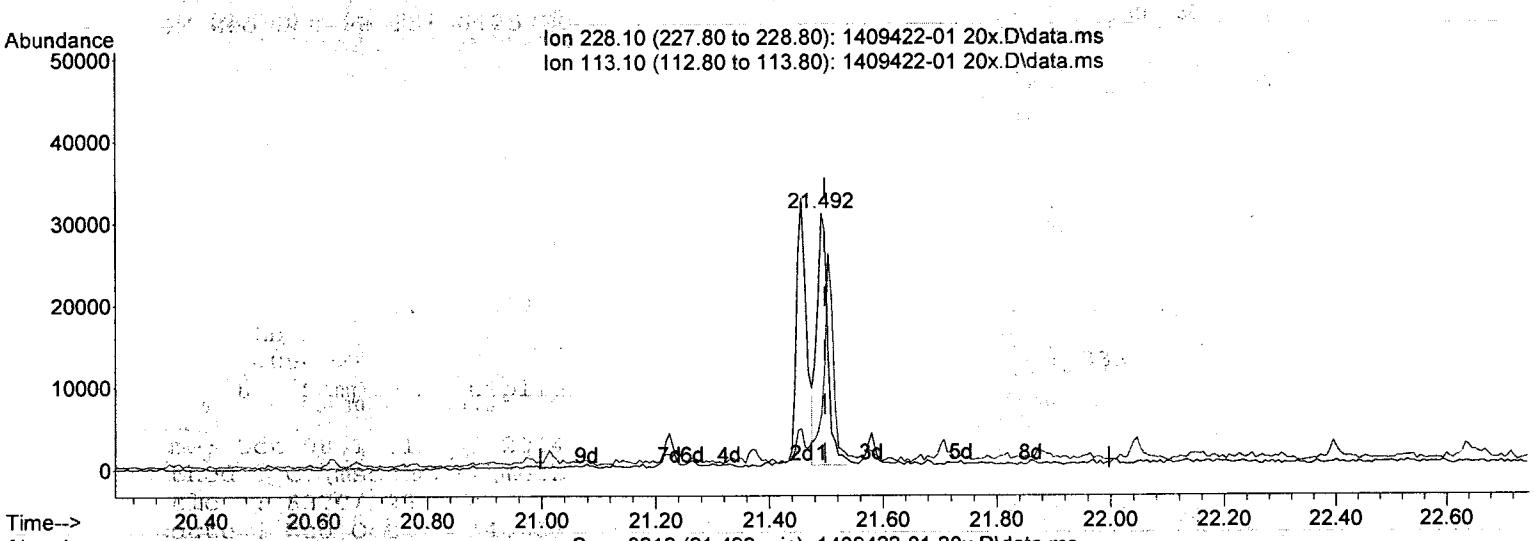
response 40211

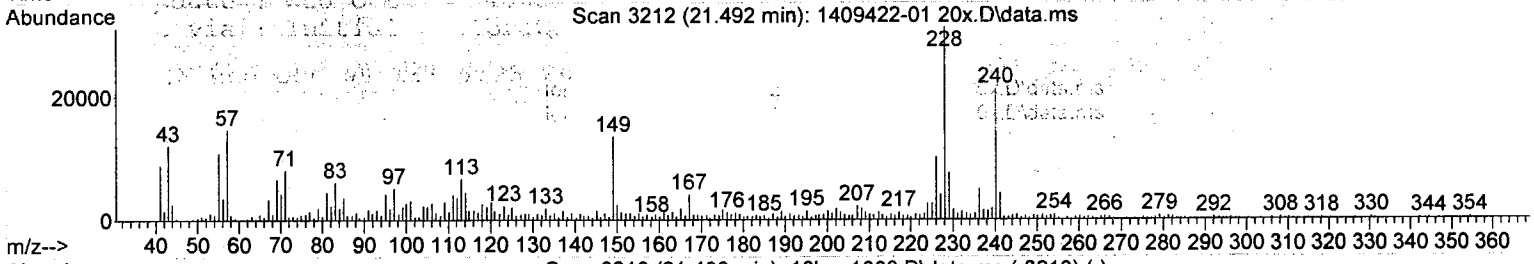
Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	27.45
114.10	13.30	26.41#
0.00	0.00	0.00

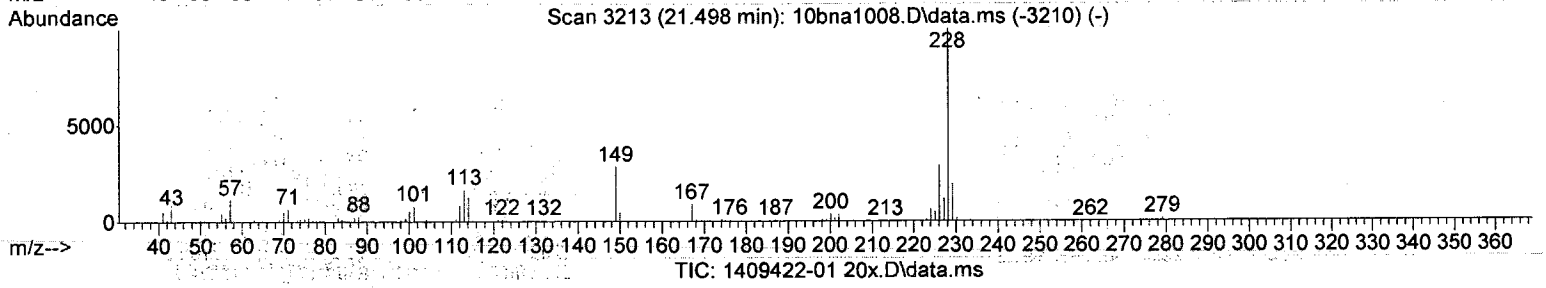
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration







TIC: 1409422-01 20x.D\data.ms

(86) Chrysene

21.492min (-0.006) 0.25 ng/uL

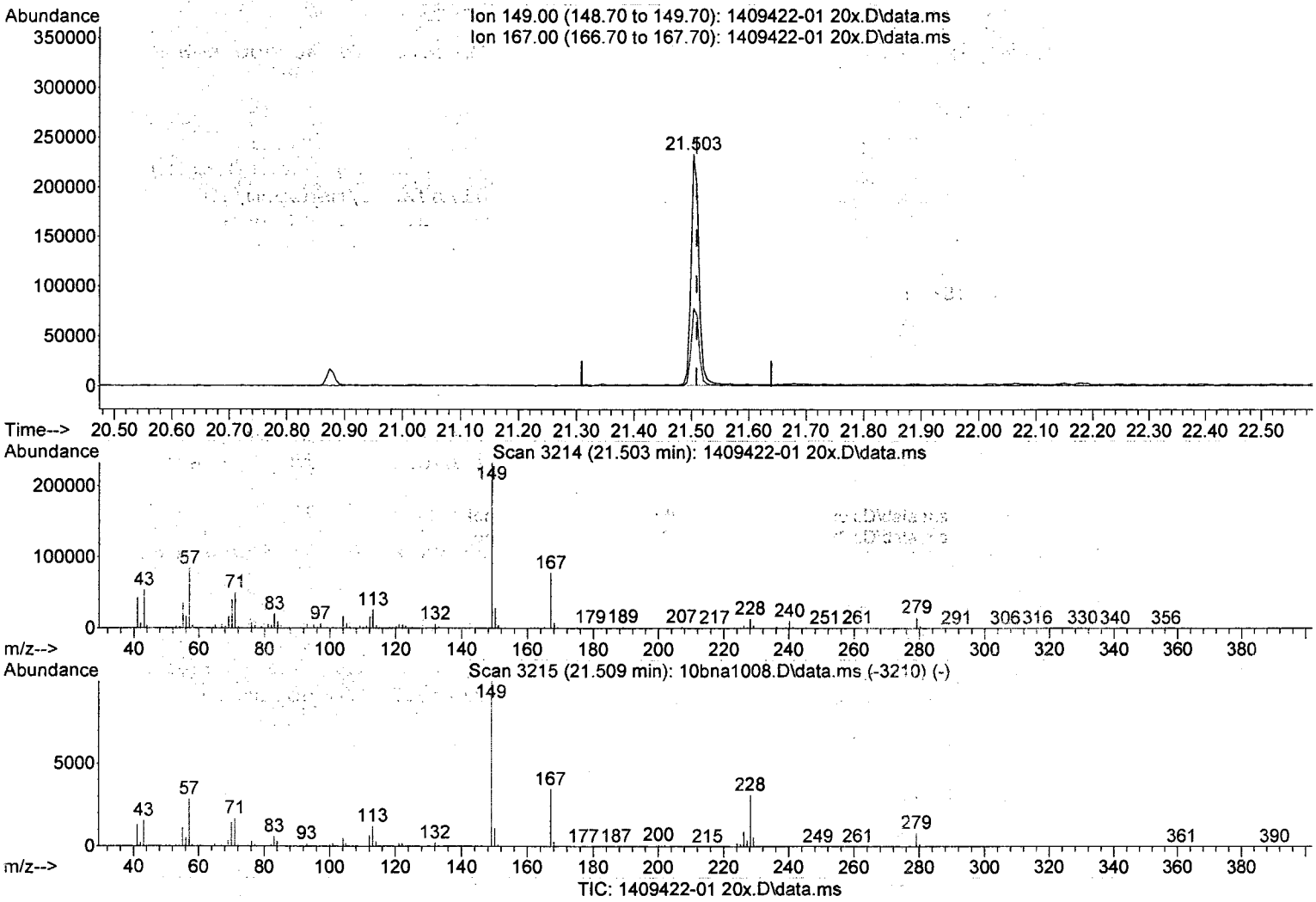
response 40407

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	72.95#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration



TIC: 1409422-01 20x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.503min (-0.006) 2.01 ng/uL

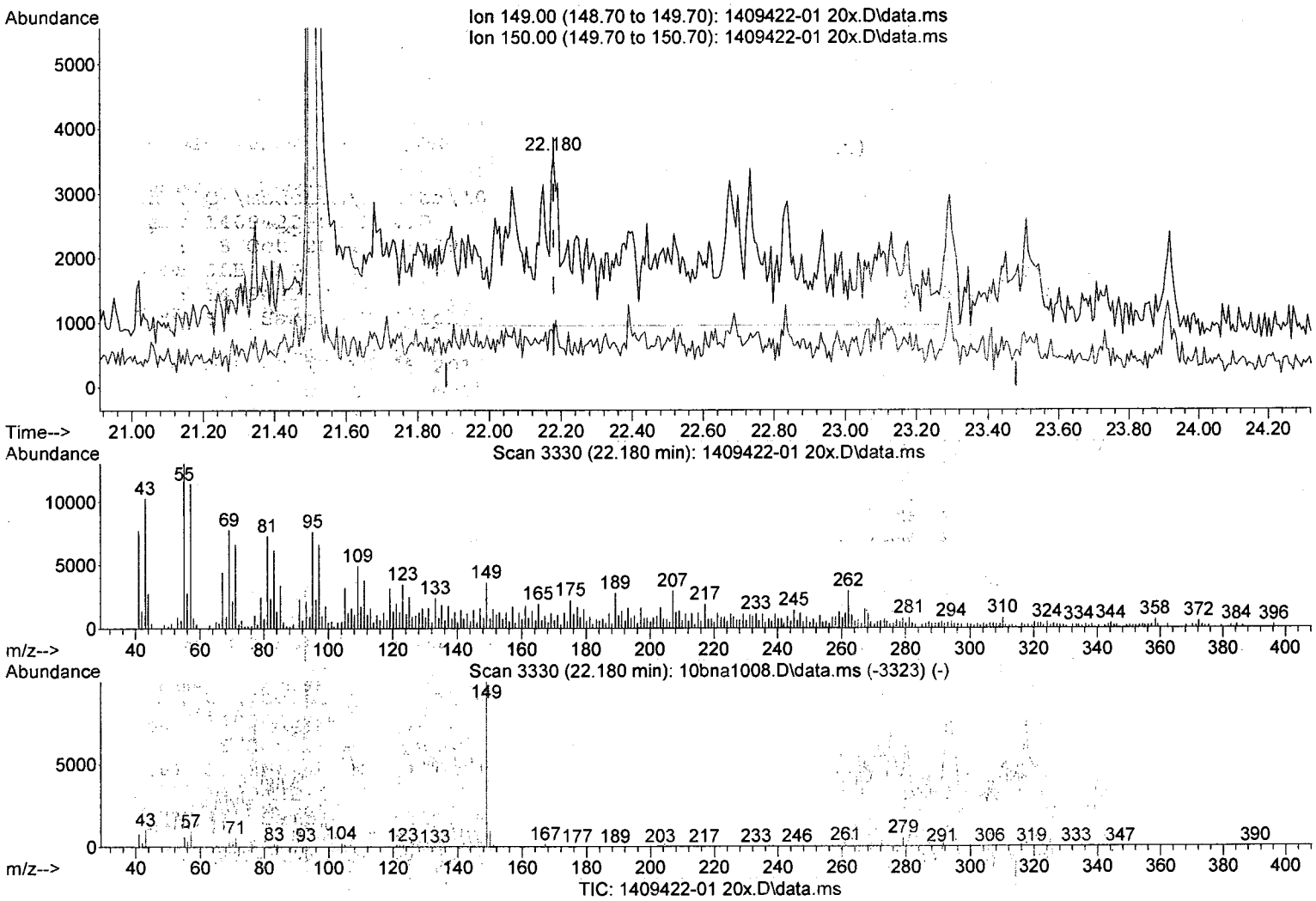
response 222296

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration



TIC: 1409422-01 20x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.180min (-0.000) 0.78 ng/uL

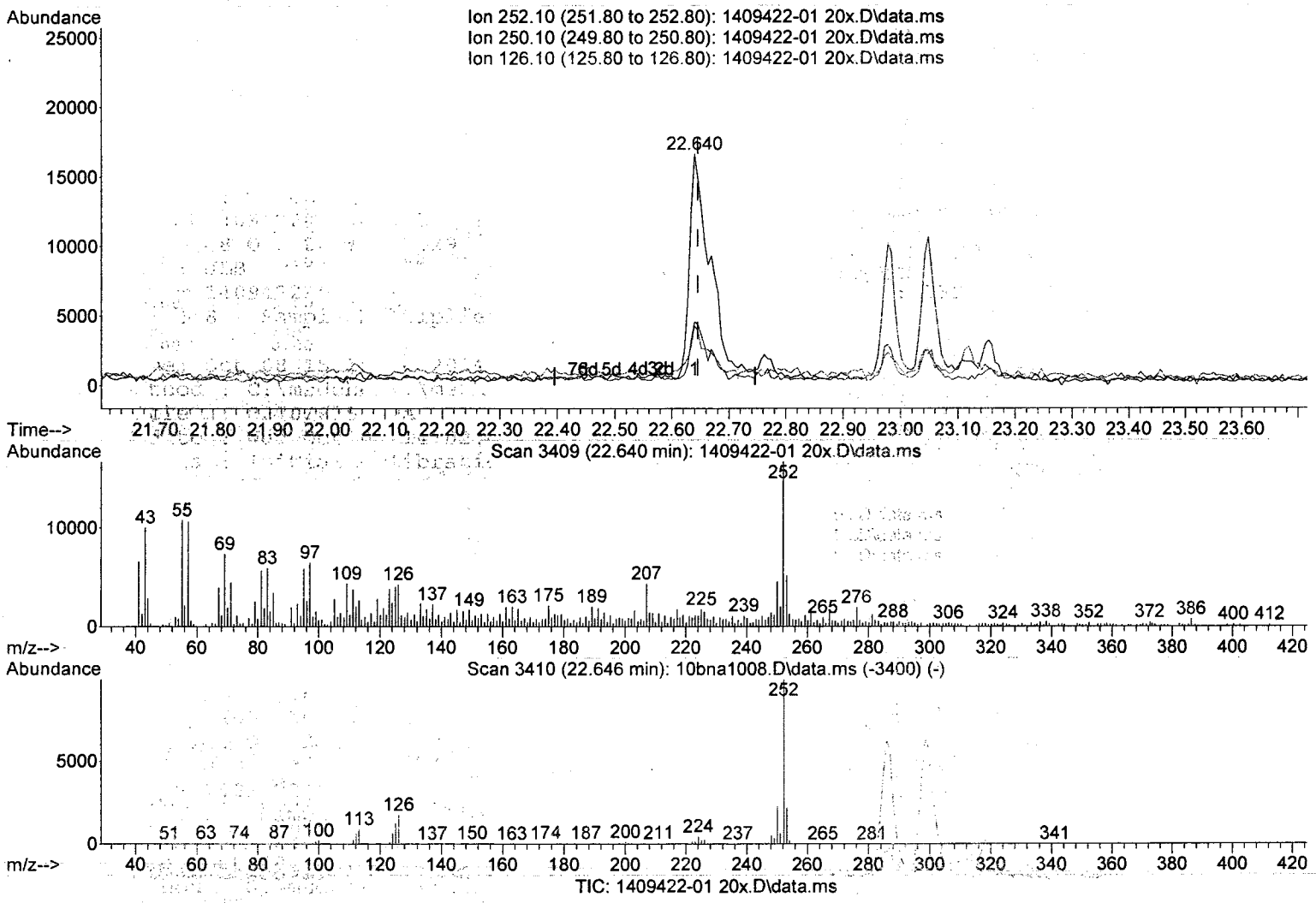
response 88826

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.68#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration



TIC: 1409422-01 20x.D\data.ms

(90) Benzo(b)fluoroanthene

22.640min (-0.006) 0.43 ng/uL

response 39778

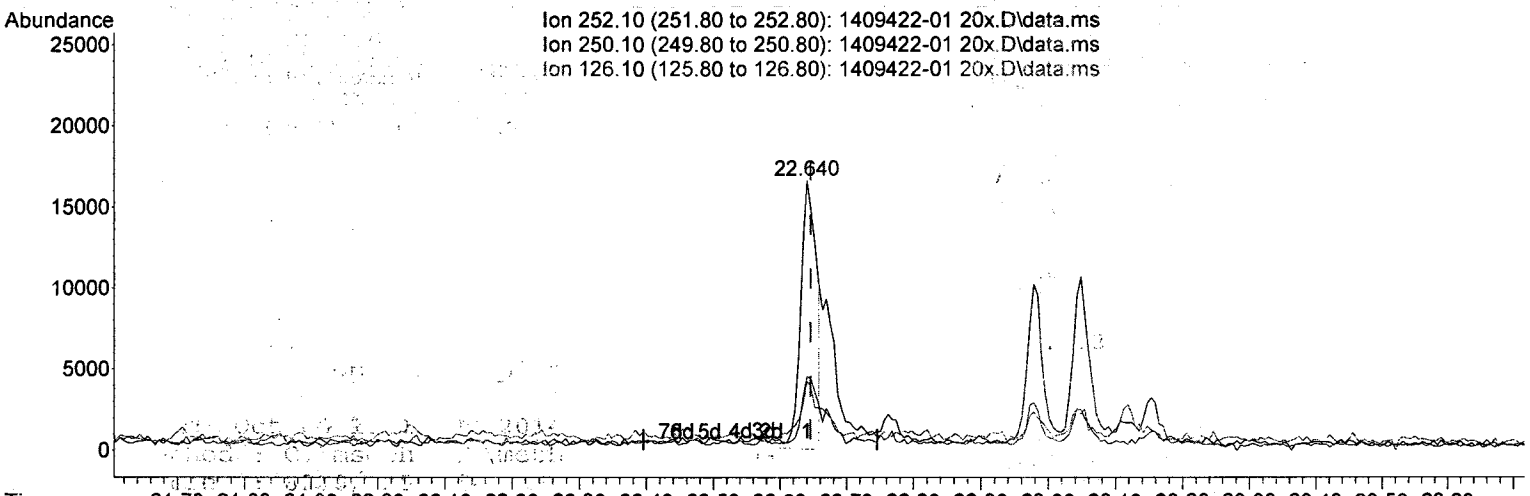
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	23.00
126.10	17.20	19.99
0.00	0.00	0.00

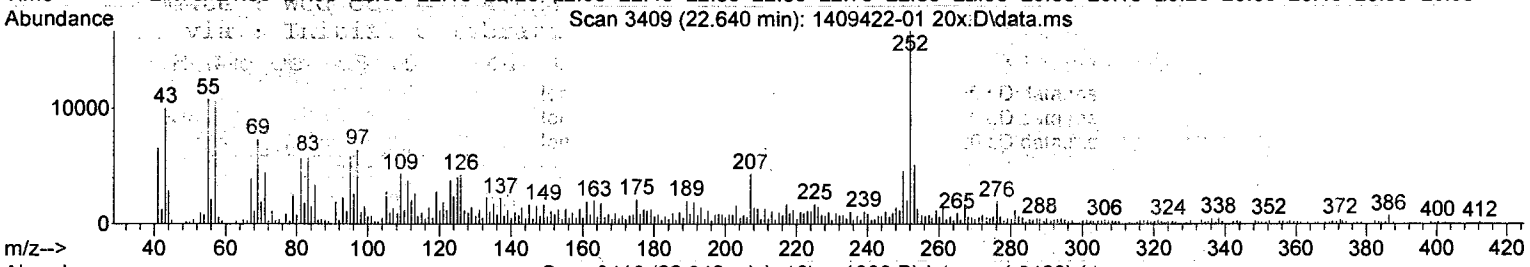
JW 10/8/14

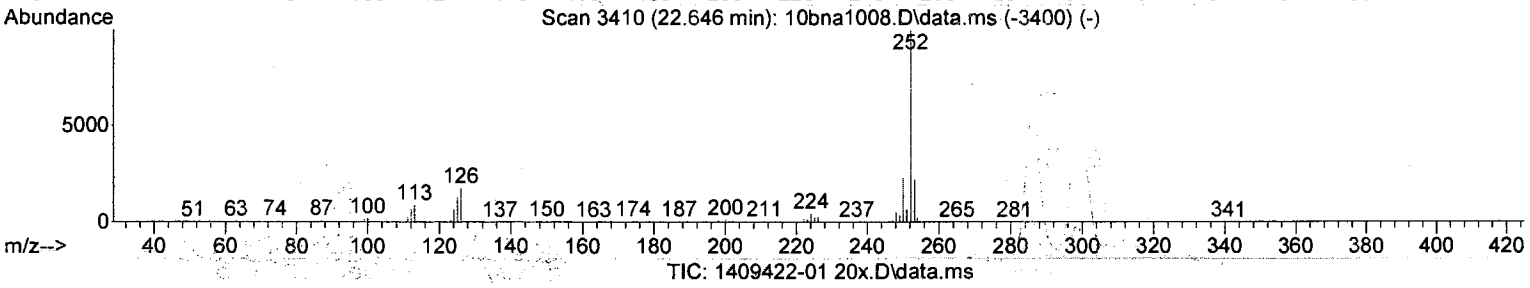
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration







TIC: 1409422-01 20x.D\data.ms

(90) Benzo(b)fluoroanthene

22.640min (-0.006) 0.29 ng/uL m

response 26928

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	33.97#
126.10	17.20	29.53#
0.00	0.00	0.00

Manual Integration Explanation

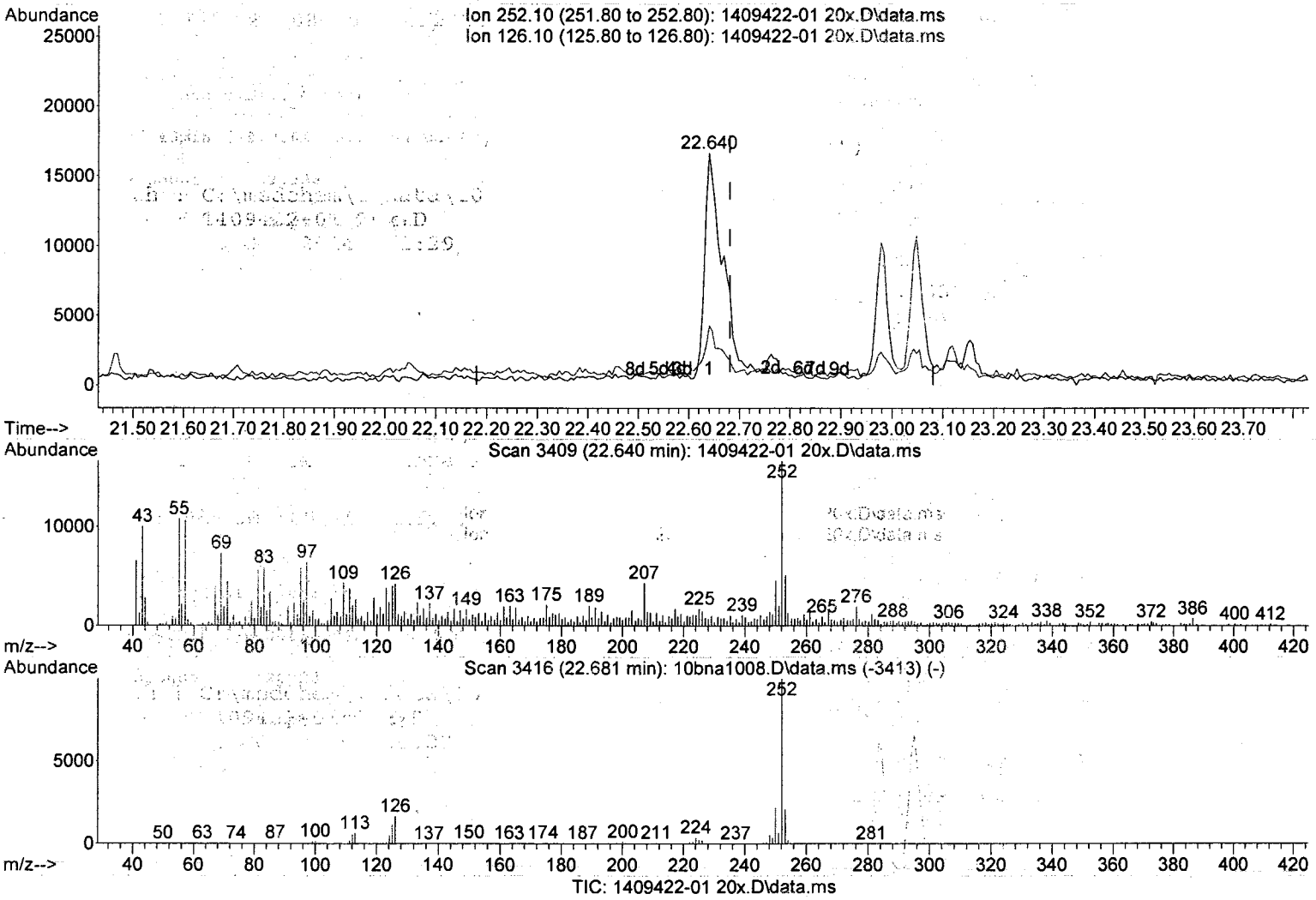
Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/8/14
Reviewed By: ASC Date: 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration



TIC: 1409422-01 20x.D\data.ms

(91) Benzo(k)fluoranthene

22.640min (-0.041) 0.39 ng/uL

response 40835

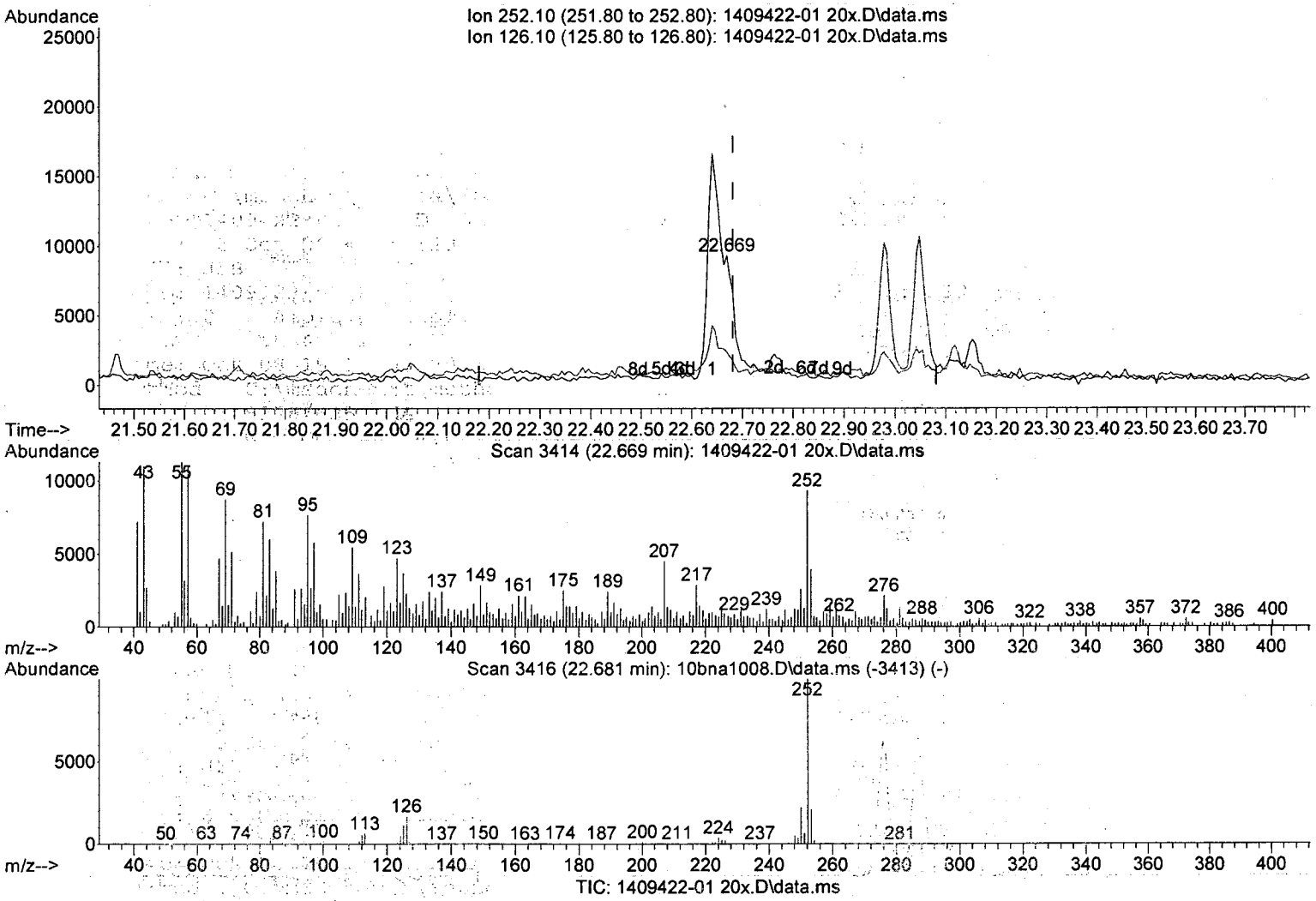
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	19.38
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/8/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration



TIC: 1409422-01 20x.D\data.ms

(91) Benzo(k)fluoranthene

22.669min (-0.012) 0.11 ng/uL m

response 11597

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	68.24#
0.00	0.00	0.00
0.00	0.00	0.00

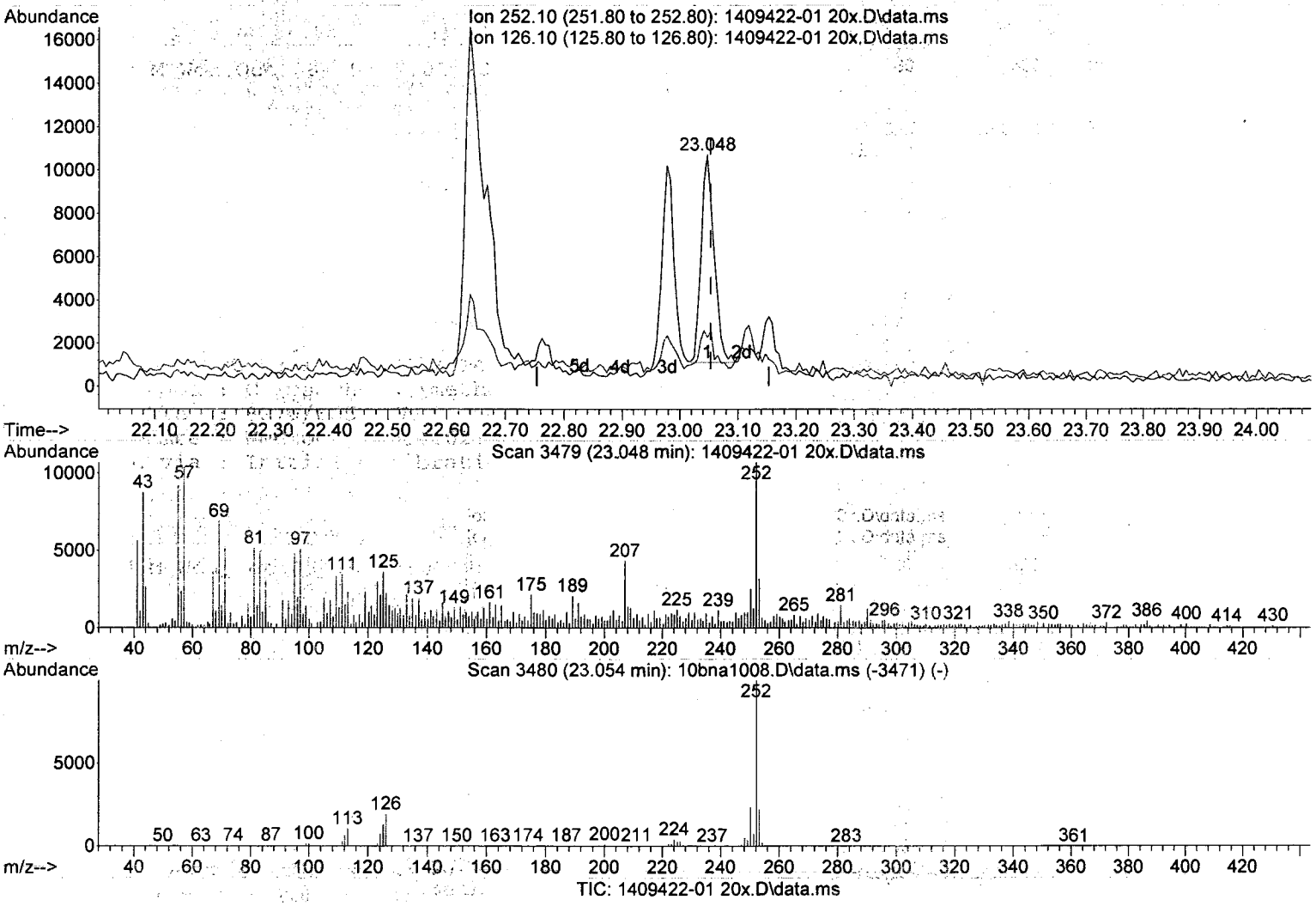
Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/8/14
Reviewed By: HSC Date: 10/9/14

002114

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration



TIC: 1409422-01 20x.D\data.ms

(92) Benzo(a)pyrene (C)

23.048min (-0.006) 0.17 ng/uL

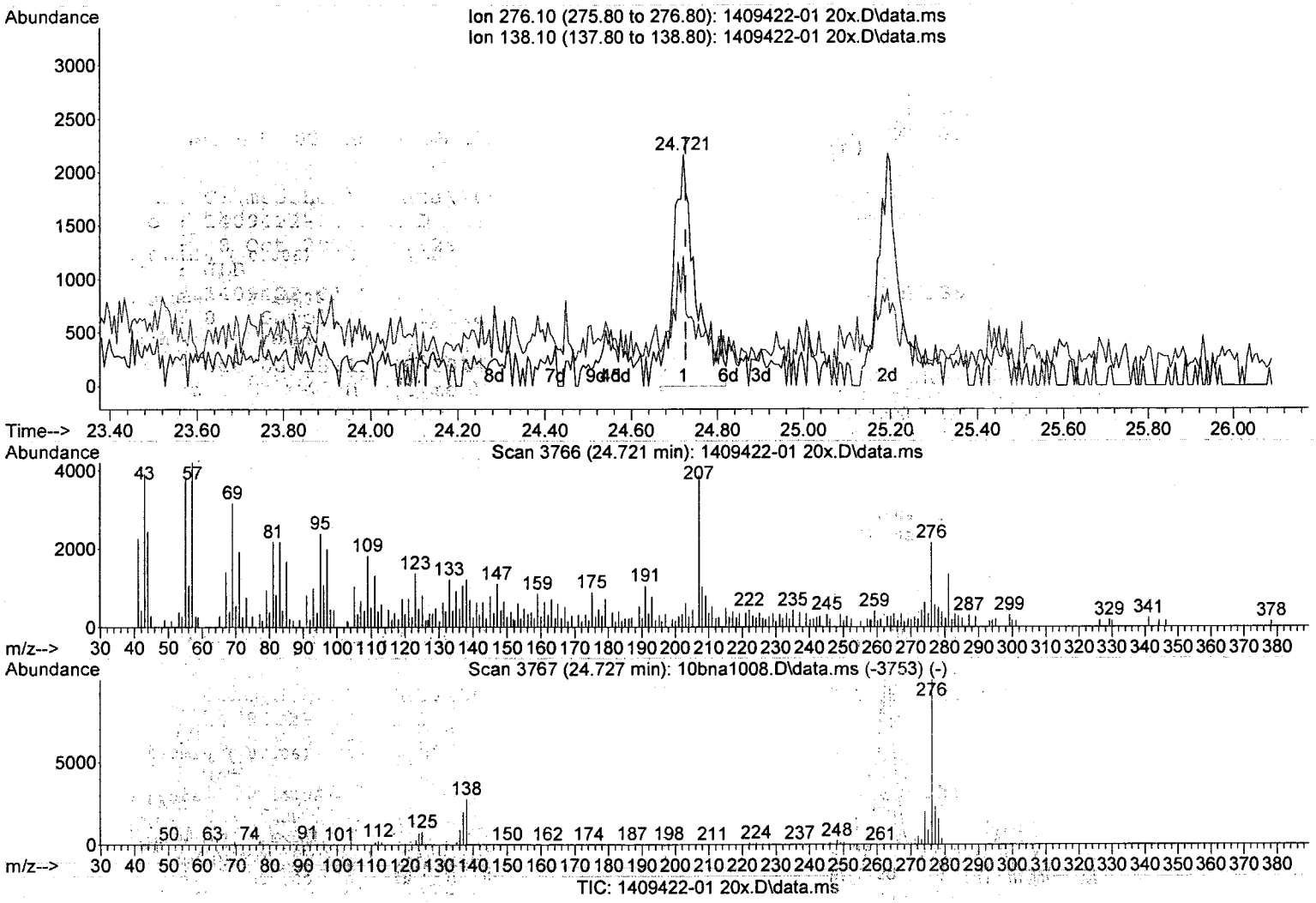
response 14798

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	19.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration



(93) Indeno(1,2,3-cd)pyrene

24.721min (-0.006) 0.10 ng/uL

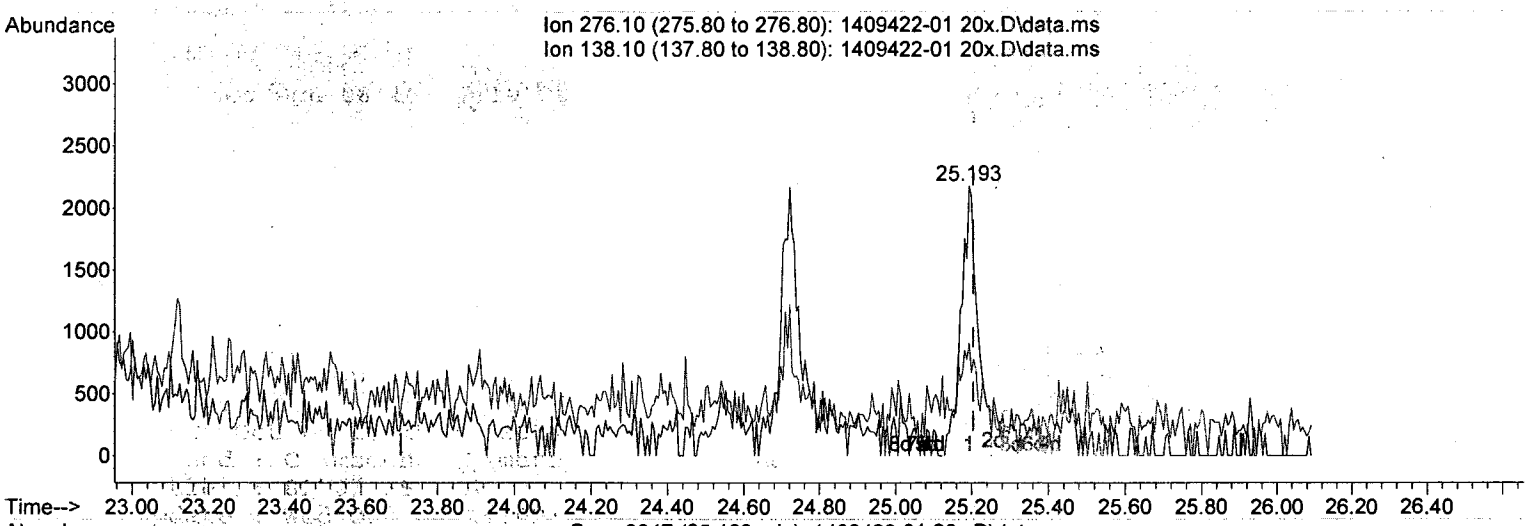
response 7708

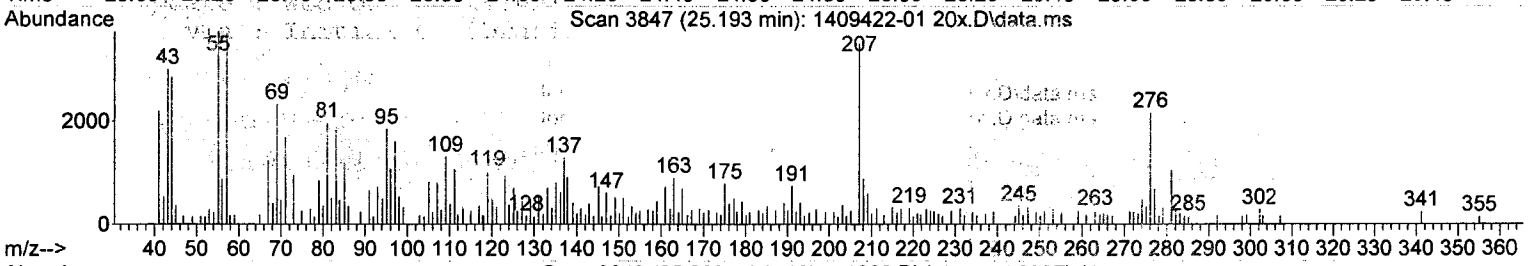
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	36.65#
0.00	0.00	0.00
0.00	0.00	0.00

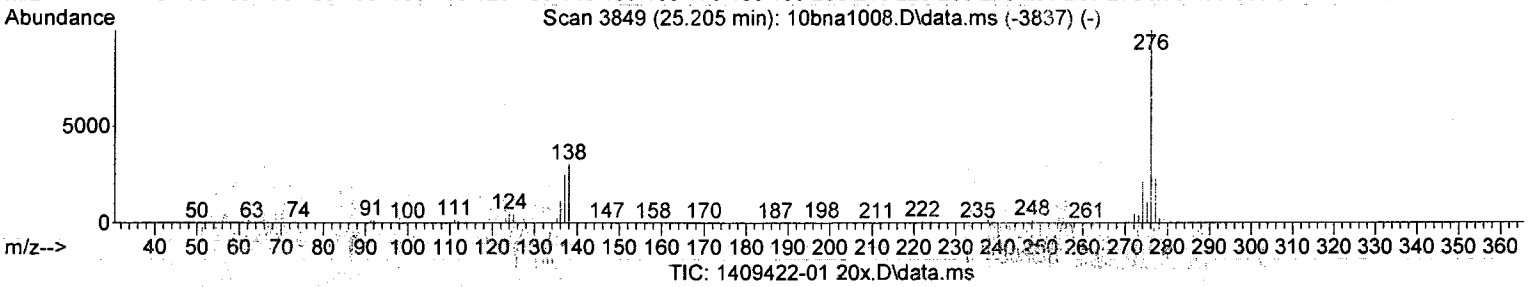
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409422-01 20x.D
Acq On : 8 Oct 2014 11:29
Operator : JLB
Sample : 1409422-01 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 15:15:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 14:02:40 2014
Response via : Initial Calibration







TIC: 1409422-01 20x.D\data.ms

(95) Benzo(g,h,i)Perylene

25.193min (-0.012) 0.10 ng/uL

response 6548

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	25.05
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB16-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-02
File ID: 1409422-02.D
Sampled: 09/23/14 11:20
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 18:21
Solids: 96.80
Preparation: 3550C Sonication Extract
Initial/Final: 30.6 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	8.6	2.0	8.6	17	U
207-08-9	Benzo(k)fluoranthene	1	8.6	2.0	8.6	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.6	2.0	8.6	34	U
65-85-0	Benzoic Acid	1	84	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB16-35

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-02 File ID: 1409422-02.D

Sampled: 09/23/14 11:20 Prepared: 09/30/14 07:32 Analyzed: 10/05/14 18:21

Solids: 96.80 Preparation: 3550C Sonication Extract Initial/Final: 30.6 grams / 1 mL

QC Batch: 1410423 Sequence: 4J06022 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	93	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	675	478	71	33 - 113	
Phenol-d6	675	525	78	30 - 115	
Nitrobenzene-d5	338	265	79	33 - 131	
2-Fluorobiphenyl	338	281	83	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB16-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-02
File ID: 1409422-02.D
Sampled: 09/23/14 11:20
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 18:21
Solids: 96.80
Preparation: 3550C Sonication Extract
Initial/Final: 30.6 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	675	499	74	12 - 124	
o-Terphenyl	338	297	88	20 - 155	

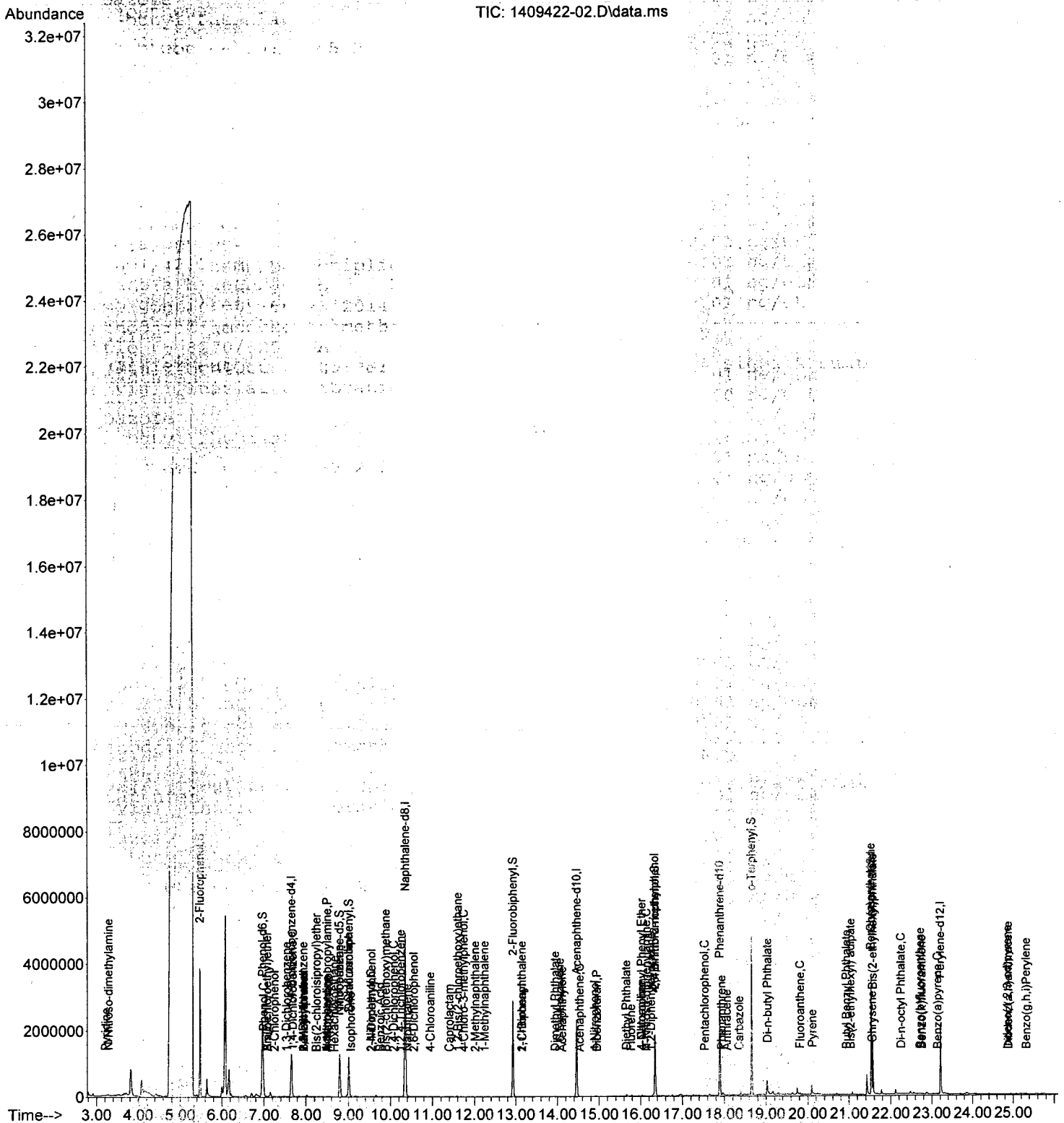
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	446071	7.655	403279	7.614	
Naphthalene-d8	1715816	10.359	1529030	10.359	
Acenaphthene-d10	1004637	14.468	866604	14.474	
Phenanthrene-d10	1682215	17.896	1400442	17.901	
Chrysene-d12	1462495	21.533	1153654	21.538	
Perylene-d12	1199883	23.211	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-02.D
Acq On : 5 Oct 2014 18:21
Operator : JLB
Sample : 1409422-02 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 06 09:54:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-02.D
Acq On : 5 Oct 2014 18:21
Operator : JLB
Sample : 1409422-02 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 06 09:54:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.655	152	446071	5.00	ng/uL	#	0.05
20) Naphthalene-d8	10.359	136	1715816	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.468	164	1004637	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.896	188	1682215	5.00	ng/uL		0.00
81) Chrysene-d12	21.533	240	1462495	5.00	ng/uL	#	0.00
89) Perylene-d12	23.211	264	1199883	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.475	112	1444580	14.17	ng/uL		0.29
6) Phenol-d6	6.967	99	2053049	15.56	ng/uL		0.06
21) Nitrobenzene-d5	8.791	82	861888	7.86	ng/uL		0.00
23) Decafluorobiphenyl	9.013	334	600559	7.81	ng/uL		0.00
47) 2-Fluorobiphenyl	12.935	172	1726781	8.32	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.351	330	376883	14.77	ng/uL		-0.01
78) o-Terphenyl	18.659	230	1270878	8.81	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.289	74	439	0.01	ng/uL		87
3) Pyridine	3.219	79	1955	0.02	ng/uL	#	27
5) Aniline	7.072	93	468	0.23	ng/uL	#	33
7) Phenol	6.990	94	2737	0.02	ng/uL	#	1
8) Bis(2-chloroethyl)ether	7.072	93	468	0.00	ng/uL	#	76
9) 2-Chlorophenol	7.247	128	442	0.00	ng/uL	#	65
10) 1,3-Dichlorobenzene	7.538	146	2521	0.02	ng/uL	#	6
11) 1,4-Dichlorobenzene	7.690	146	1111	0.01	ng/uL	#	56
12) 1,2-Dichlorobenzene	7.940	146	215	0.00	ng/uL	#	1
13) Bis(2-chloroisipropyl)...	8.249	45	471	0.00	ng/uL	#	75
14) Benzyl Alcohol	7.952	108	985	0.01	ng/uL	#	1
15) 2-Methylphenol	7.952	108	985	0.01	ng/uL	#	1
16) Acetophenone	8.488	105	1077	0.01	ng/uL	#	51
17) Hexachloroethane	8.669	119	131	0.00	ng/uL	#	3
18) 4-Methylphenol	8.517	108	123	0.00	ng/uL	#	78
19) N-Nitroso-di-n-propyla...	8.500	70	1099	0.01	ng/uL	#	39
22) Nitrobenzene	8.785	77	3215	0.03	ng/uL	#	1
24) Isophorone	9.059	82	407	0.00	ng/uL		93
25) 2-Chloroaniline	9.007	127	7460	0.05	ng/uL	#	61
26) 2-Nitrophenol	9.537	139	53	0.00	ng/uL	#	1
27) 2,4-Dimethylphenol	9.549	107	133	0.00	ng/uL	#	5
28) Bis(2-chlorethoxy)methane	9.893	93	115	0.00	ng/uL		90
29) 2,4-Dichlorophenol	10.079	162	109	0.00	ng/uL	#	1
30) Benzoic Acid	9.759	105	4077m	2.50	ng/uL		
31) 1,2,4-Trichlorobenzene	10.248	180	877	0.01	ng/uL		87
32) Naphthalene	10.406	128	2409	0.01	ng/uL	#	74
33) 4-Chloroaniline	10.954	127	659	0.01	ng/uL	#	62
34) 2,6-Dichlorophenol	10.563	162	246	0.00	ng/uL	#	5
35) Hexachlorobutadiene	0.000		0	N.D.			
36) Caprolactam	11.403	55	1903	0.04	ng/uL	#	21
37) 1,2-Bis(2-chloroethoxy...	11.607	63	126	0.00	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.746	107	616	0.01	ng/uL	#	10
39) 2-Methylnaphthalene	12.020	142	747	0.00	ng/uL	#	74
40) 1-Methylnaphthalene	12.248	142	776	0.00	ng/uL	#	80
41) 1,3 Dinitrobenzene	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-02.D
Acq On : 15 Oct 2014 18:21
Operator : JLB
Sample : 1409422-02 Inst : 339
ALS Vial : 114 Sample Multiplier: 1

Quant Time: Oct 06 09:54:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.151	162	600	0.00 ng/uL	98
49) 1,1'-Biphenyl	13.151	154	846	0.00 ng/uL#	73
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.119	152	375	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.060	165	597	0.01 ng/uL#	37
53) Dimethyl Phthalate	13.950	163	5788	0.03 ng/uL#	67
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.538	153	78	0.00 ng/uL#	12
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.952	168	402	0.00 ng/uL	90
58) 4-Nitrophenol	14.894	65	121	0.00 ng/uL#	12
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.774	166	531	0.00 ng/uL#	51
63) Diethyl Phthalate	15.663	149	12962	0.06 ng/uL	99
64) 4-Chlorophenyl Phenyl ...	16.030	204	865	0.01 ng/uL#	1
65) 4-Nitroaniline	16.025	138	167	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.345	198	934	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.141	169	338	0.00 ng/uL#	41
69) 1,2-Diphenylhydrazine	16.252	182	1473	0.02 ng/uL#	73
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.534	266	311	0.01 ng/uL#	1
75) Phenanthrene	17.936	178	4293	0.01 ng/uL#	94
76) Anthracene	18.065	178	71	0.00 ng/uL#	1
77) Carbazole	18.362	167	856	0.00 ng/uL#	46
79) Di-n-butyl Phthalate	19.038	149	52047	0.15 ng/uL	95
80) Fluoroanthene	19.819	202	2590	0.01 ng/uL	99
82) Pyrene	20.110	202	2602	0.01 ng/uL#	1
83) Butyl Benzyl Phthalate	20.938	149	3481	0.03 ng/uL	87
84) Bis(2-ethylhexyl) adipate	21.037	129	4631	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.527	228	5196	0.02 ng/uL#	1
86) Chrysene	21.556	228	1454	0.01 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.568	149	484102	2.76 ng/uL	89
88) Di-n-octyl Phthalate	22.255	149	102584	~~0.66~~ ng/uL#	76
90) Benzo(b)fluoroanthene	22.722	252	1211	0.01 ng/uL#	44
91) Benzo(k)fluoranthene	22.763	252	1521	0.01 ng/uL#	83
92) Benzo(a)pyrene	23.141	252	1402	0.01 ng/uL	100
93) Indeno(1,2,3-cd)pyrene	24.861	276	1465	0.01 ng/uL#	83
94) Dibenz(a,h)anthracene	24.884	278	736	0.01 ng/uL#	61
95) Benzo(g,h,i)Perylene	25.327	276	1227	0.01 ng/uL	94

(#) = qua... out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-02.D
Acq On : 5 Oct 2014 18:21
Operator : JLB
Sample : 1409422-02 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 06 09:25:22 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

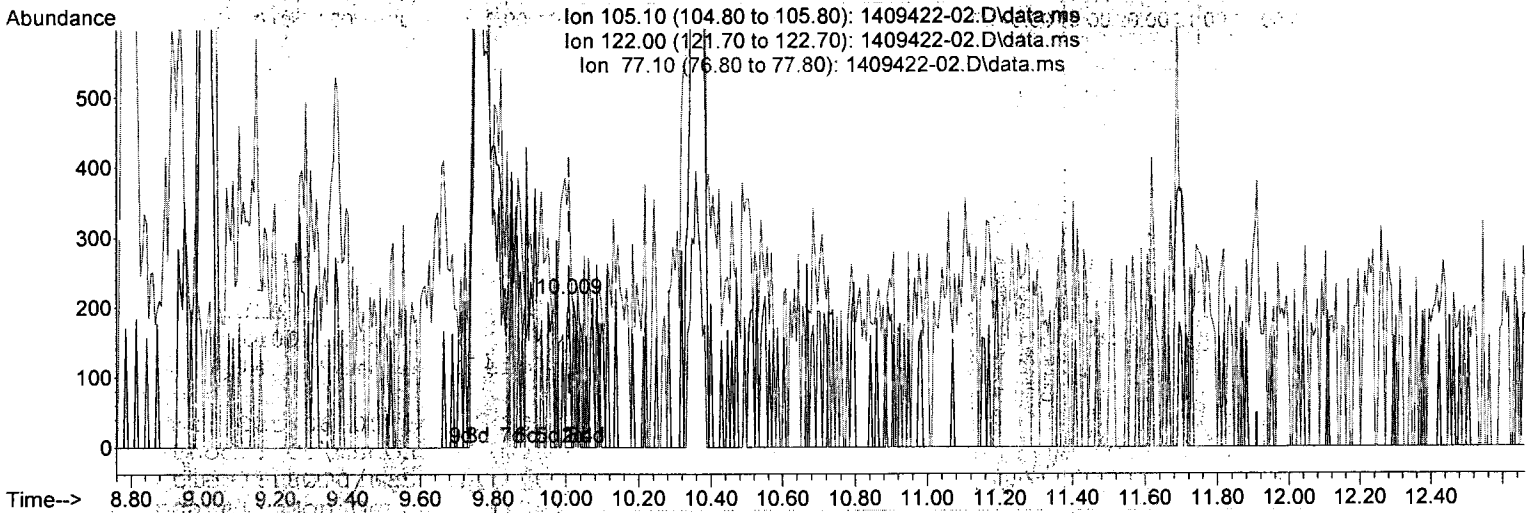
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.655	152	444309	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.359	136	1715816	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	1002972	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.896	188	1682215	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	1462495	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1221687	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.161	74	241	0.00	ng/uL	#	7
3) Pyridine	3.546	79	1735	0.01	ng/uL		84
4) Aniline	7.072	93	468	0.00	ng/uL	#	33
5) Benzaldehyde	6.769	105	794	0.01	ng/uL	#	51
6) Acetophenone	8.488	105	1077	0.01	ng/uL	#	51
7) N-Nitroso-di-n-propyla...	8.500	70	1099	0.01	ng/uL	#	39
9) 4-Chloroaniline	10.557	127	562	0.01	ng/uL	#	65
10) Caprolactam	11.338	55	3057	0.15	ng/uL	#	29
12) 1,1'-Biphenyl	13.151	154	846	0.00	ng/uL	#	73
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	16.025	138	167	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.141	169	338	0.00	ng/uL	#	41
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.023	184	112	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.504	252	327	0.00	ng/uL		85

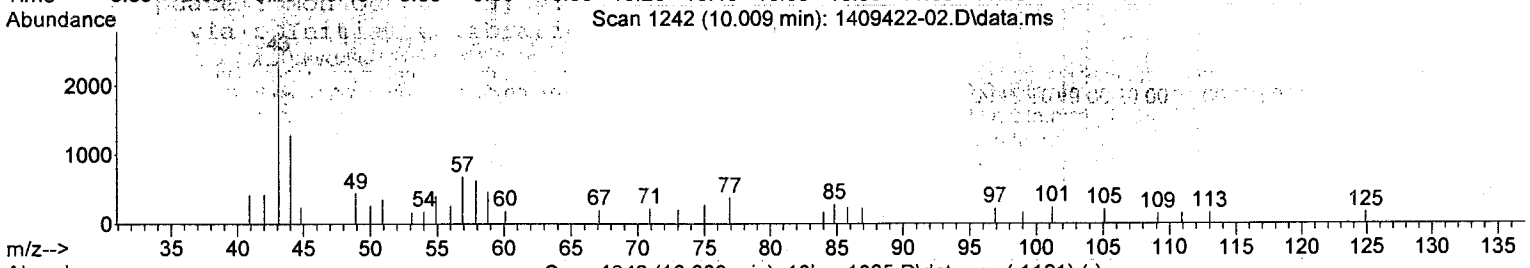
(#) = qualifier out of range (m) = manual integration (+) = signals summed

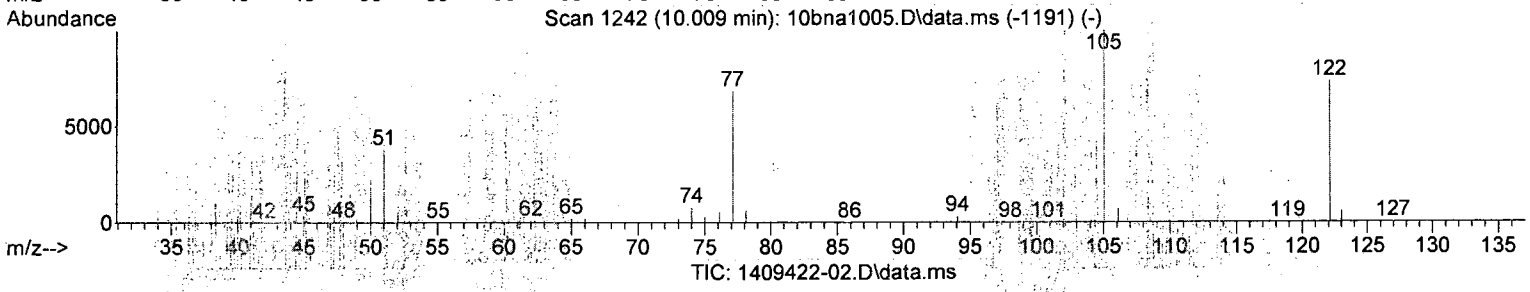
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-02.D
Acq On : 5 Oct 2014 18:21
Operator : JLB
Sample : 1409422-02 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 06 09:54:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-02.D\data.ms

(30) Benzoic Acid

10.009min (-0.000) 2.46 ng/uL

response 196

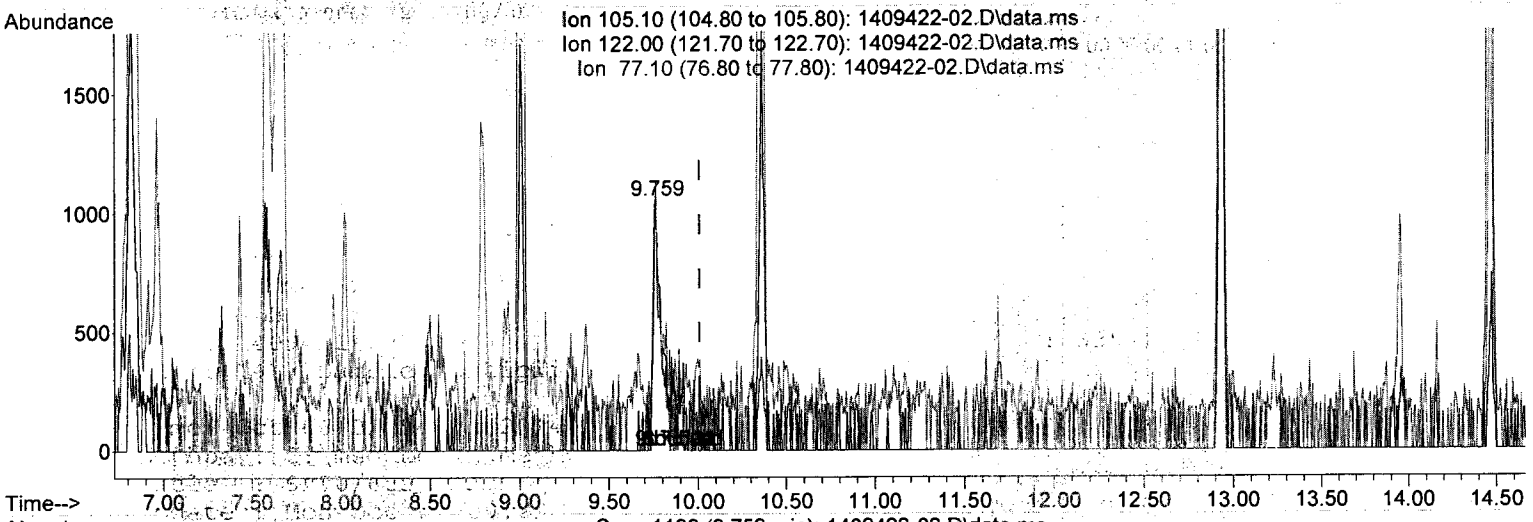
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	82.65
77.10	74.70	449.49#
0.00	0.00	0.00

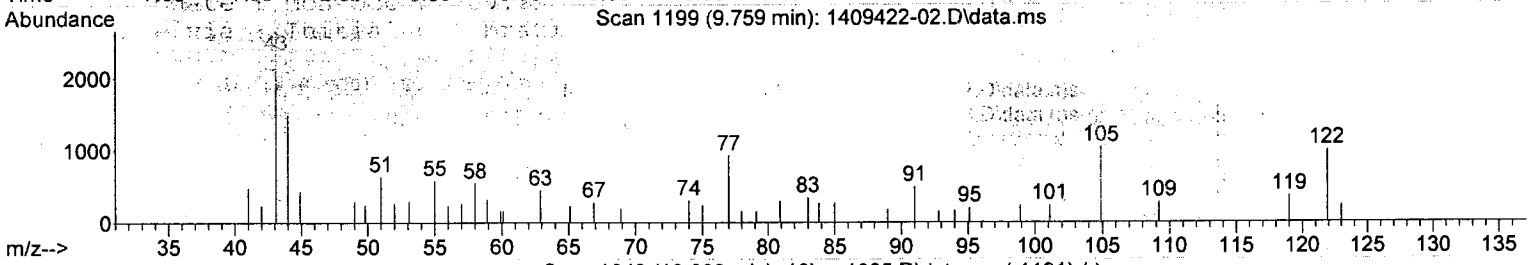
JLB 10/7/14

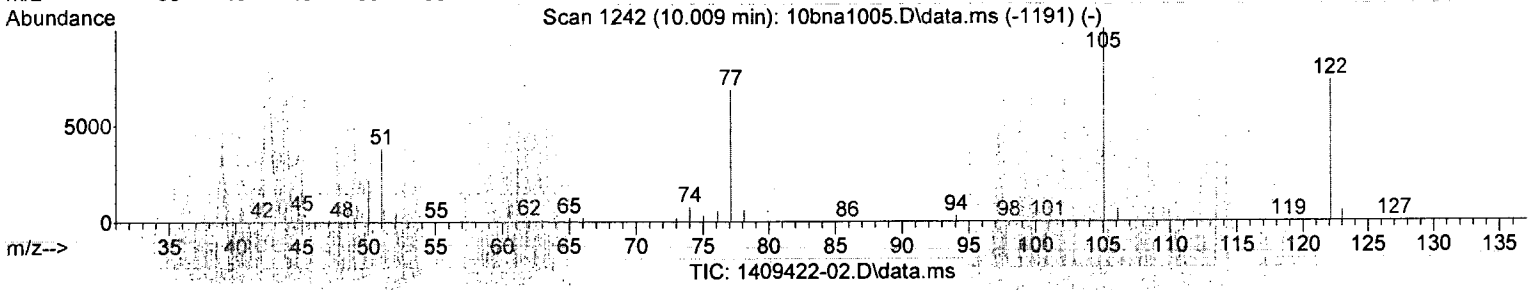
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-02.D
Acq On : 5 Oct 2014 18:21
Operator : JLB
Sample : 1409422-02 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 06 09:54:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-02.D\data.ms

(30) Benzoic Acid

9.759min (-0.250) 2.50 ng/uL m

response 4077

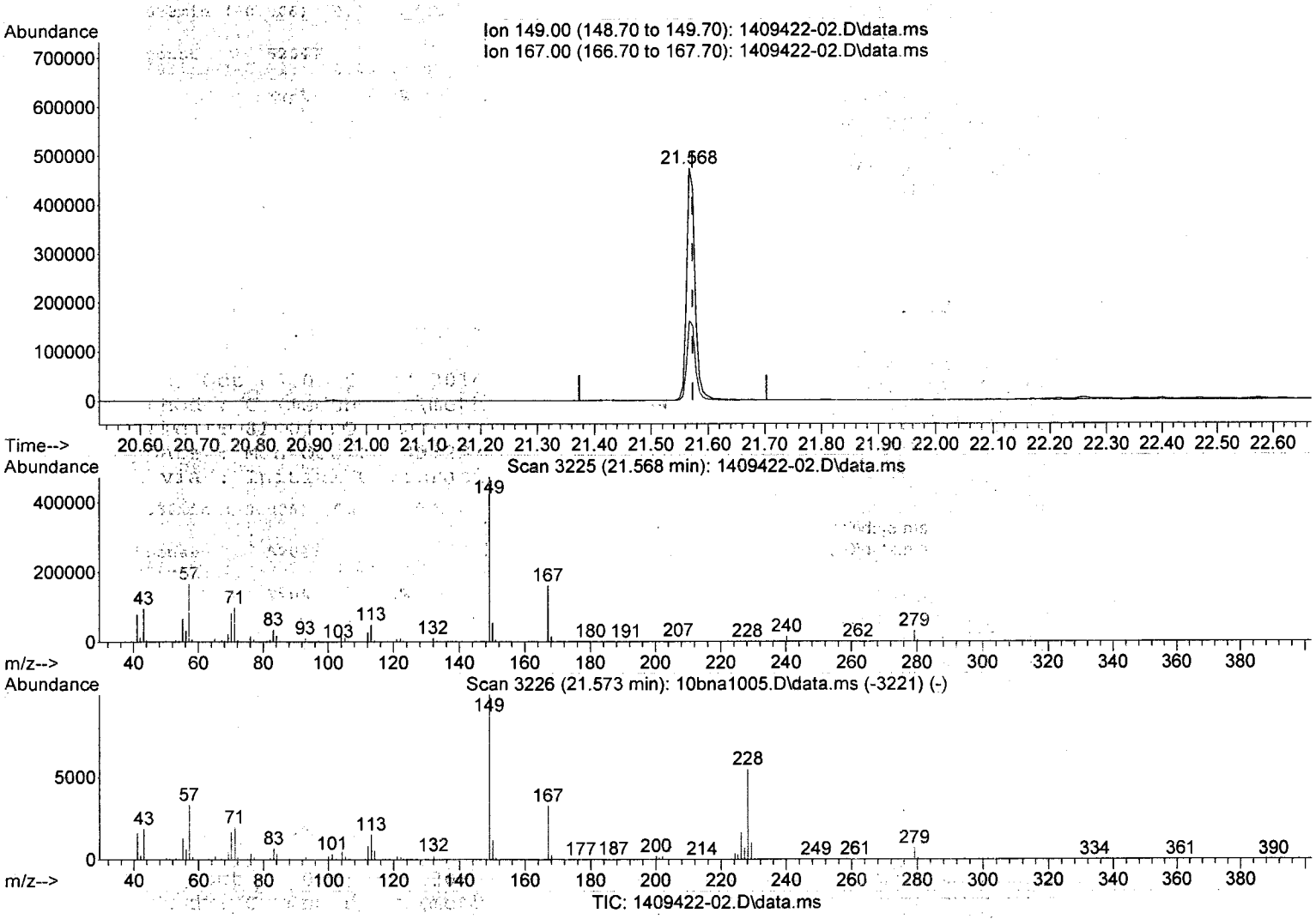
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	3.97#
77.10	74.70	21.61#
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JWh Date: 10/9/14
Reviewed By: RSC Date: 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-02.D
Acq On : 5 Oct 2014 18:21
Operator : JLB
Sample : 1409422-02 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 06 09:54:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-02.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.568min (-0.006) 2.76 ng/uL

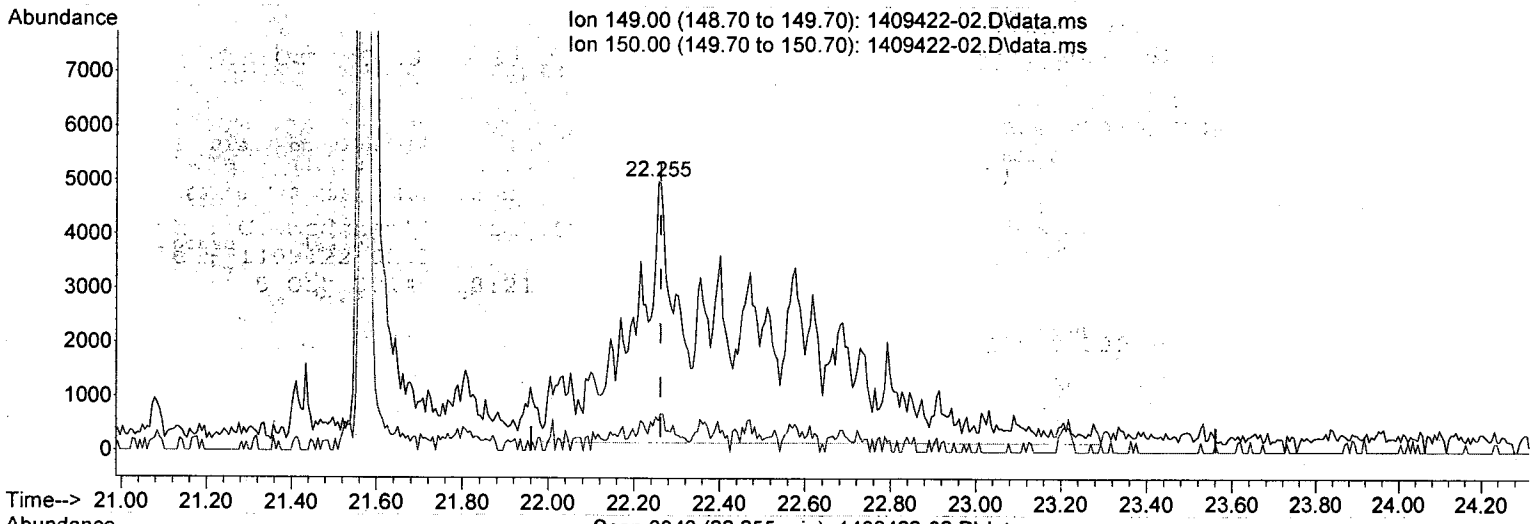
response 484102

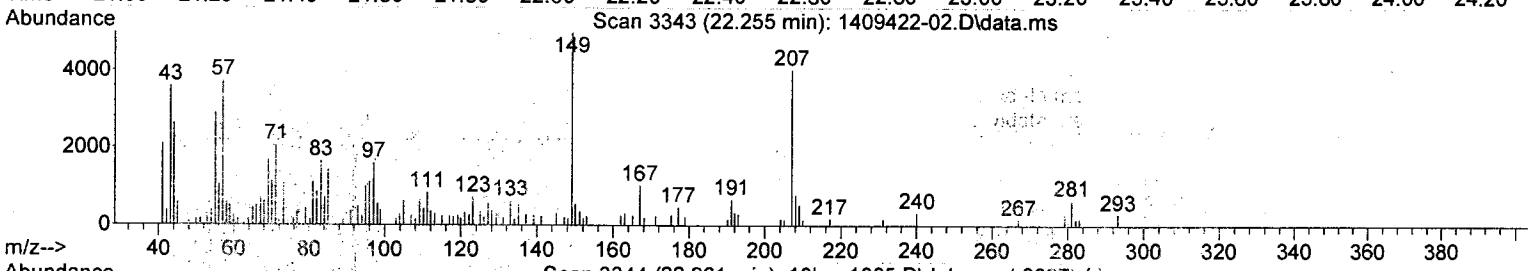
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.86
0.00	0.00	0.00
0.00	0.00	0.00

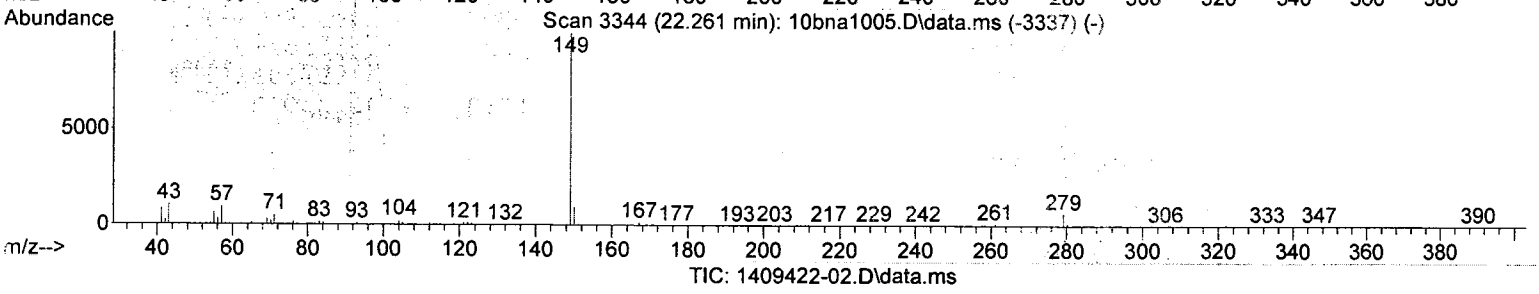
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-02.D
Acq On : 5 Oct 2014 18:21
Operator : JLB
Sample : 1409422-02 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 06 09:54:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-02.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.255min (-0.006) 0.66 ng/uL

response 102584

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.67#
0.00	0.00	0.00
0.00	0.00	0.00

pf

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB15-13

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-03 File ID: 1409422-03.D

Sampled: 09/23/14 09:10 Prepared: 09/30/14 07:32 Analyzed: 10/05/14 18:53

Solids: 97.34 Preparation: 3550C Sonication Extract Initial/Final: 29.3 grams / 1 mL

QC Batch: 1410423 Sequence: 4J06022 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	8.6	2.0	8.6	17	U
207-08-9	Benzo(k)fluoranthene	1	8.6	2.0	8.6	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.6	1.9	8.6	34	U
65-85-0	Benzoic Acid	1	88	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	290	680	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB15-13

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-03 File ID: 1409422-03.D

Sampled: 09/23/14 09:10 Prepared: 09/30/14 07:32 Analyzed: 10/05/14 18:53

Solids: 97.34 Preparation: 3550C Sonication Extract Initial/Final: 29.3 grams / 1 mL

QC Batch: 1410423 Sequence: 4J06022 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	67	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.6	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.5	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	701	522	75	33 - 113	
Phenol-d6	701	335	48	30 - 115	
Nitrobenzene-d5	351	284	81	33 - 131	
2-Fluorobiphenyl	351	320	91	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB15-13

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-03
File ID: 1409422-03.D
Sampled: 09/23/14 09:10
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 18:53
Solids: 97.34
Preparation: 3550C Sonication Extract
Initial/Final: 29.3 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	701	604	86	12 - 124	
o-Terphenyl	351	328	93	20 - 155	

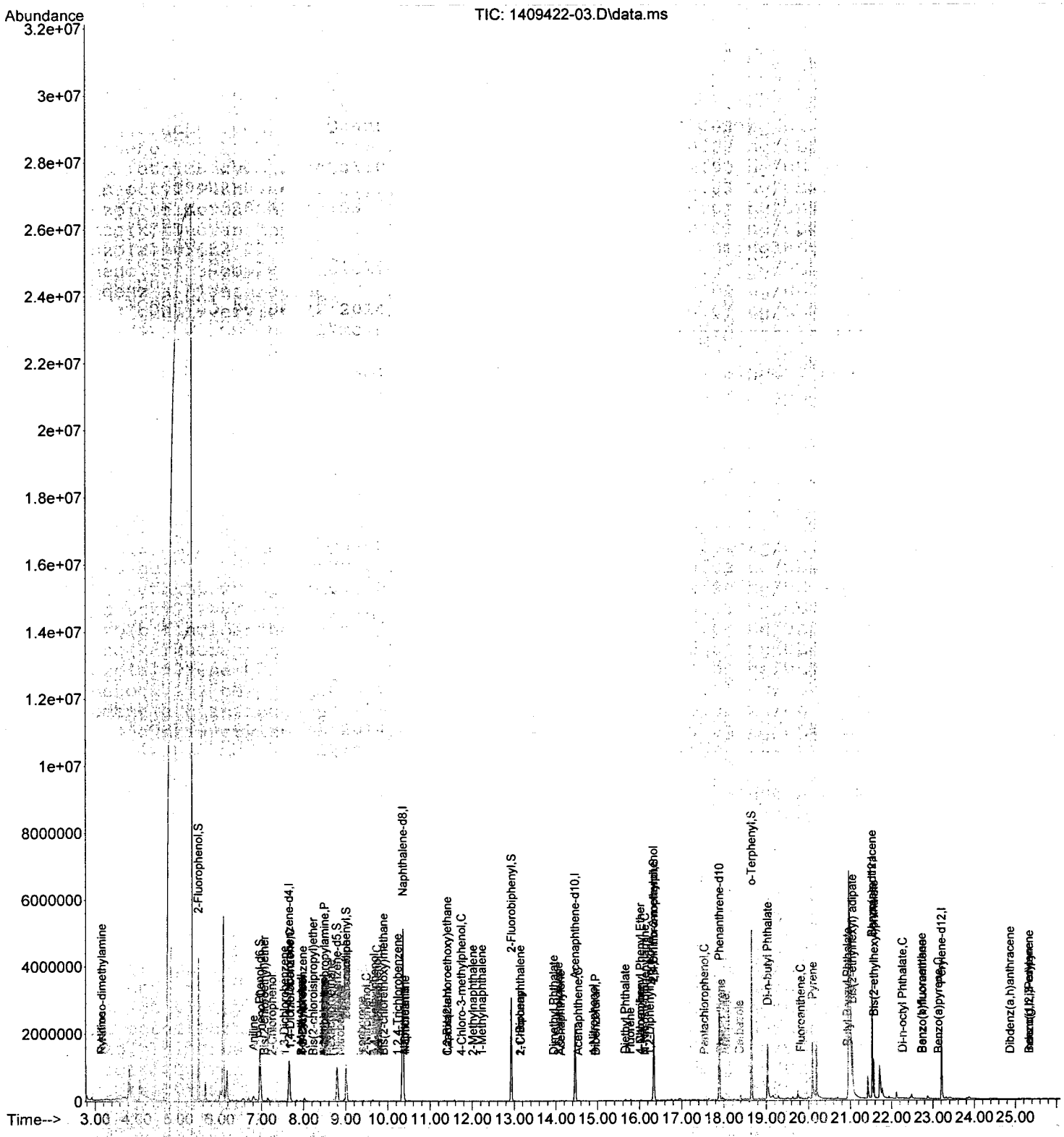
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	442861	7.654	403279	7.614	
Naphthalene-d8	1593416	10.359	1529030	10.359	
Acenaphthene-d10	1002632	14.462	866604	14.474	
Phenanthrene-d10	1683634	17.895	1400442	17.901	
Chrysene-d12	1418015	21.532	1153654	21.538	
Perylene-d12	1153768	23.211	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-03.D
Acq On : 5 Oct 2014 18:53
Operator :
Sample : 1409422-03 Inst : 339
ALS Vial : 152 Sample Multiplier: 1

Quant Time: Oct 06 09:56:32 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-03.D
Acq On : 5 Oct 2014 18:53
Operator : JLB
Sample : 1409422-03 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 06 09:56:32 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.654	152	442861	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.359	136	1593416	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.462	164	1002632	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.895	188	1683634	5.00	ng/uL	0.00
81) Chrysene-d12	21.532	240	1418015	5.00	ng/uL	# 0.00
89) Perylene-d12	23.211	264	1153768	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.492	112	1507626m	14.90	ng/uL	0.31
6) Phenol-d6	6.967	99	1251942	9.56	ng/uL	0.06
21) Nitrobenzene-d5	8.791	82	826412	8.11	ng/uL	0.00
23) Decafluorobiphenyl	9.007	334	608101	8.51	ng/uL	0.00
47) 2-Fluorobiphenyl	12.935	172	1893619	9.14	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.351	330	439643	17.22	ng/uL	-0.01
78) o-Terphenyl	18.659	230	1349877	9.35	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.161	74	196	0.00	ng/uL#	1
3) Pyridine	3.155	79	987	0.01	ng/uL#	71
5) Aniline	6.815	93	2936	0.25	ng/uL	92
7) Phenol	6.990	94	1808	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.072	93	370	0.00	ng/uL#	20
9) 2-Chlorophenol	7.252	128	287	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.544	146	2478	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.684	146	1257	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.987	146	2693	0.02	ng/uL	88
13) Bis(2-chloroisipropyl)...	8.232	45	1220	0.01	ng/uL#	72
14) Benzyl Alcohol	7.952	108	901	0.01	ng/uL#	1
15) 2-Methylphenol	7.952	108	901	0.01	ng/uL#	1
16) Acetophenone	8.488	105	1122	0.01	ng/uL#	30
17) Hexachloroethane	8.645	119	57	0.00	ng/uL#	3
18) 4-Methylphenol	8.488	108	95	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.505	70	1140	0.01	ng/uL	91
22) Nitrobenzene	8.861	77	117	0.00	ng/uL#	30
24) Isophorone	9.374	82	1238	0.01	ng/uL#	80
25) 2-Chloroaniline	9.007	127	8033	0.06	ng/uL#	58
26) 2-Nitrophenol	9.496	139	54	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.683	107	55	0.00	ng/uL#	5
28) Bis(2-chloroethoxy)methane	9.904	93	54	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	9.753	162	126	0.00	ng/uL#	20
30) Benzoic Acid	9.770	105	5127m	2.51	ng/uL	
31) 1,2,4-Trichlorobenzene	10.237	180	899	0.01	ng/uL	92
32) Naphthalene	10.400	128	7895	0.02	ng/uL#	1
33) 4-Chloroaniline	10.411	127	947	0.01	ng/uL#	36
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.414	55	1741	0.04	ng/uL#	34
37) 1,2-Bis(2-chloroethoxy...	11.414	63	136	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.746	107	620	0.01	ng/uL#	10
39) 2-Methylnaphthalene	12.020	142	3325	0.02	ng/uL#	94
40) 1-Methylnaphthalene	12.236	142	1209	0.01	ng/uL#	79
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-03.D
Acq On : 5 Oct 2014 18:53
Operator : JLB
Sample : 1409422-03 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 06 09:56:32 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.151	162	701	0.00	ng/uL	95
49) 1,1'-Biphenyl	13.145	154	1428	0.01	ng/uL#	79
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.118	152	3355	0.01	ng/uL#	76
52) 2,6-Dinitrotoluene	14.066	165	553	0.01	ng/uL#	48
53) Dimethyl Phthalate	13.949	163	6912	0.03	ng/uL#	77
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.538	153	728	0.00	ng/uL#	81
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.958	168	392	0.00	ng/uL#	47
58) 4-Nitrophenol	14.905	65	275	0.01	ng/uL#	72
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.780	166	1432	0.01	ng/uL#	66
63) Diethyl Phthalate	15.663	149	12898	0.06	ng/uL	95
64) 4-Chlorophenyl Phenyl ...	16.024	204	936	0.01	ng/uL#	18
65) 4-Nitroaniline	16.030	138	173	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.345	198	1123	~~1.01~~ RT	ng/uL#	1
68) N-Nitroso-diphenylamine	16.135	169	391	0.00	ng/uL#	26
69) 1,2-Diphenylhydrazine	16.252	182	1545	0.02	ng/uL#	56
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	17.540	266	707	0.02	ng/uL#	1
75) Phenanthrene	17.936	178	6542	0.02	ng/uL#	90
76) Anthracene	18.035	178	2542	0.01	ng/uL#	77
77) Carbazole	18.368	167	880	0.00	ng/uL#	83
79) Di-n-butyl Phthalate	19.038	149	48950	0.15	ng/uL#	94
80) Fluoroanthene	19.819	202	2426	0.01	ng/uL#	46
82) Pyrene	20.104	202	3109	0.01	ng/uL#	1
83) Butyl Benzyl Phthalate	20.938	149	4511	0.03	ng/uL#	7
84) Bis(2-ethylhexyl) adipate	21.049	129	9173	0.14	ng/uL#	100
85) Benzo(a)anthracene	21.532	228	5135	0.02	ng/uL#	1
86) Chrysene	21.532	228	5135	0.02	ng/uL#	79
87) Bis(2-ethylhexyl)phtha...	21.573	149	323013	1.90	ng/uL	90
88) Di-n-octyl Phthalate	22.261	149	91434	~~0.63~~ pp	ng/uL#	76
90) Benzo[b]fluoranthene	22.733	252	1445	0.01	ng/uL#	93
91) Benzo[k]fluoranthene	22.751	252	1504	0.01	ng/uL#	61
92) Benzo[a]pyrene	23.135	252	1605	0.01	ng/uL#	59
93) Indeno(1,2,3-cd)pyrene	25.339	276	1613	0.01	ng/uL#	72
94) Dibenz[a,h]anthracene	24.872	278	839	0.01	ng/uL	98
95) Benzo(g,h,i)perylene	25.339	276	1613	0.01	ng/uL#	67

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-03.D
Acq On : 5 Oct 2014 18:53
Operator : JLB
Sample : 1409422-03 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 06 09:25:40 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

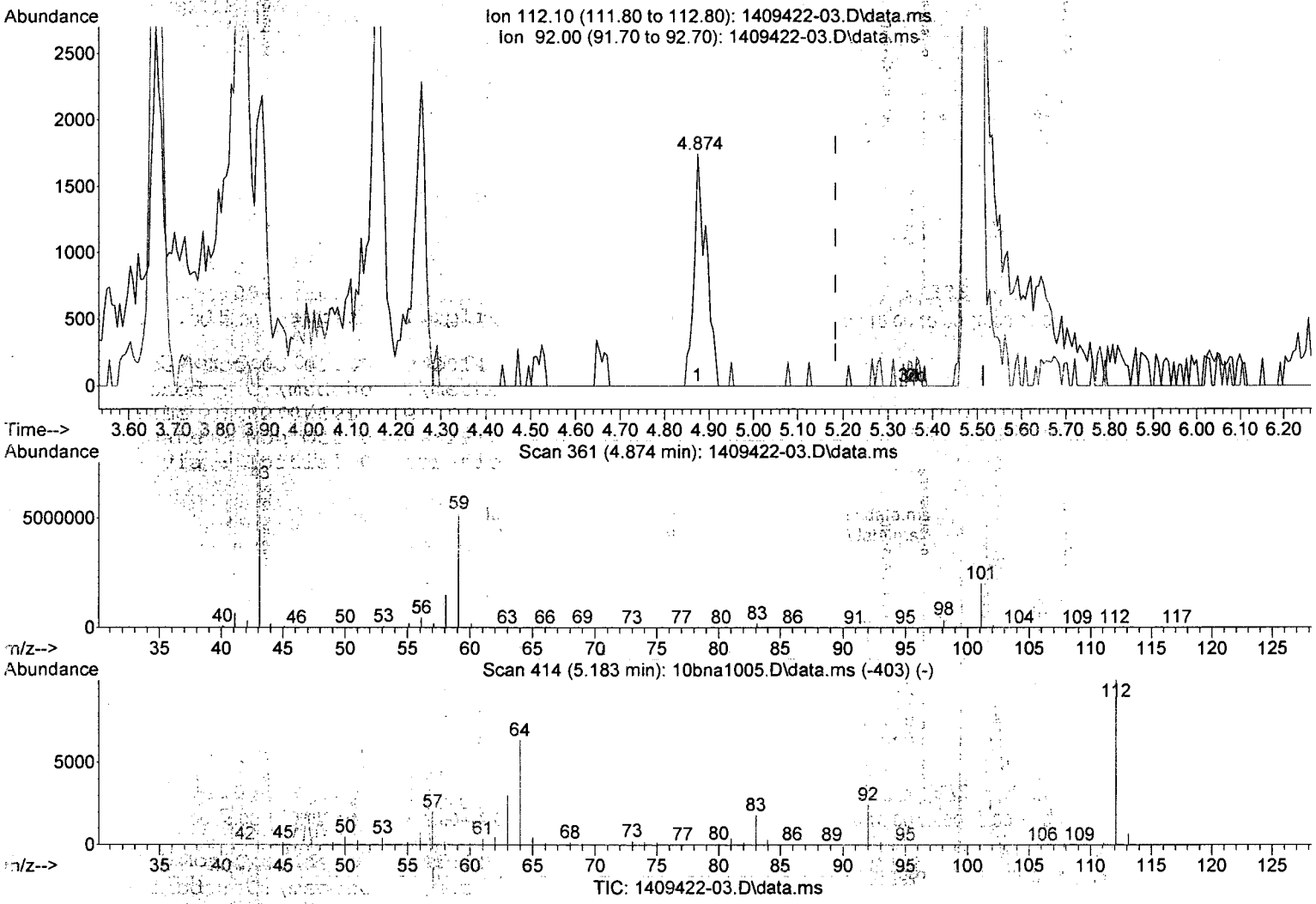
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.654	152	437379	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.359	136	1593416	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.462	164	1000699	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.895	188	1684322	5.00	ng/uL		0.00
19) Chrysene-d12	21.532	240	1418015	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1178014	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.161	74	196	0.00	ng/uL	#	1
3) Pyridine	3.155	79	987	0.01	ng/uL	#	71
4) Aniline	6.815	93	2936	0.02	ng/uL		92
5) Benzaldehyde	6.763	105	862	0.01	ng/uL	#	1
6) Acetophenone	8.488	105	1122	0.01	ng/uL	#	30
7) N-Nitroso-di-n-propyla...	8.505	70	1140	0.01	ng/uL		91
9) 4-Chloroaniline	10.557	127	440	0.01	ng/uL	#	56
10) Caprolactam	11.327	55	2804	0.15	ng/uL	#	31
12) 1,1'-Biphenyl	13.145	154	1428	0.00	ng/uL	#	79
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	16.030	138	173	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.135	169	391	0.00	ng/uL	#	26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.198	184	5164	0.43	ng/uL		98
21) 3,3'-Dichlorobenzidine	21.503	252	300	0.00	ng/uL	#	75

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-03.D
Acq On : 5 Oct 2014 18:53
Operator : JLB
Sample : 1409422-03 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 06 09:55:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(4) 2-Fluorophenol (S)

4.874min (-0.309) 0.03 ng/uL

response 3300

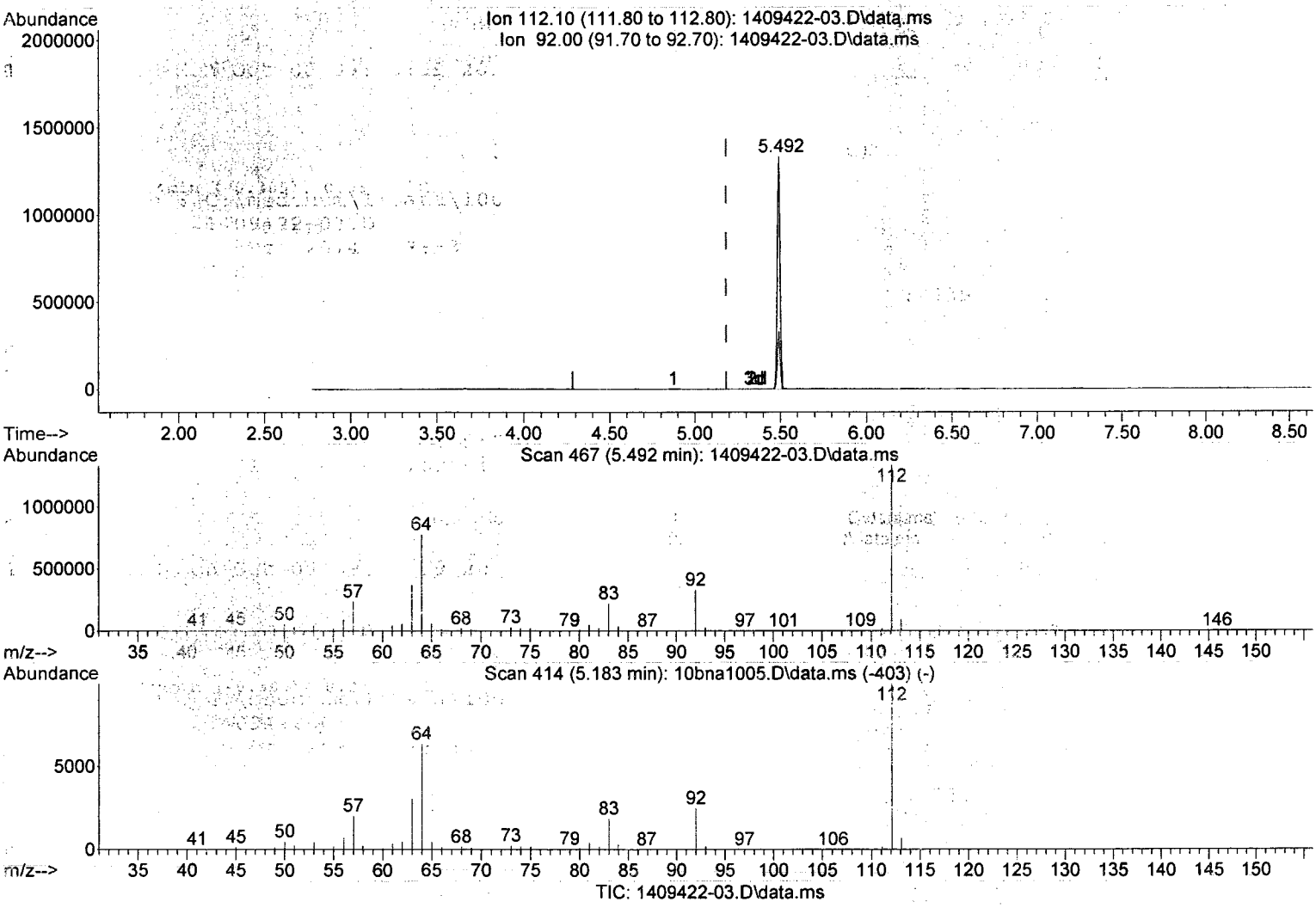
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

JWS 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-03.D
Acq On : 5 Oct 2014 18:53
Operator : JLB
Sample : 1409422-03 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 06 09:55:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-03.D\data.ms

(4) 2-Fluorophenol (S)

5.492min (÷ 0.309) 14.90 ng/uL m

response 1507626

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

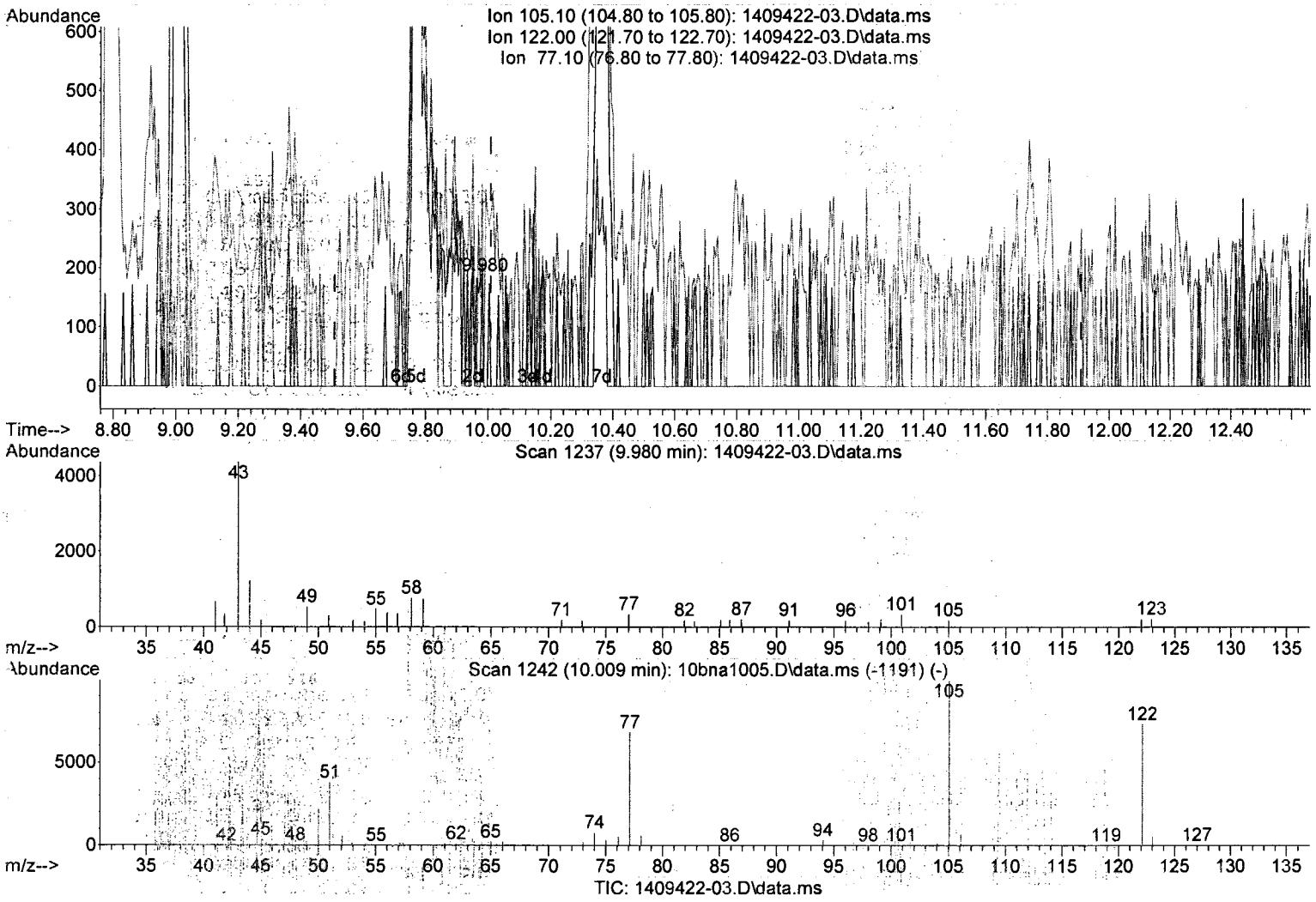
Analyst: JLB Date: 10/7/14

Reviewed By: ASC Date: 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-03.D
Acq On : 5 Oct 2014 18:53
Operator : JLB
Sample : 1409422-03 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 06 09:55:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-03.D\data.ms

(30) Benzoic Acid

9.980min (-0.029) 2.46 ng/uL

response 248

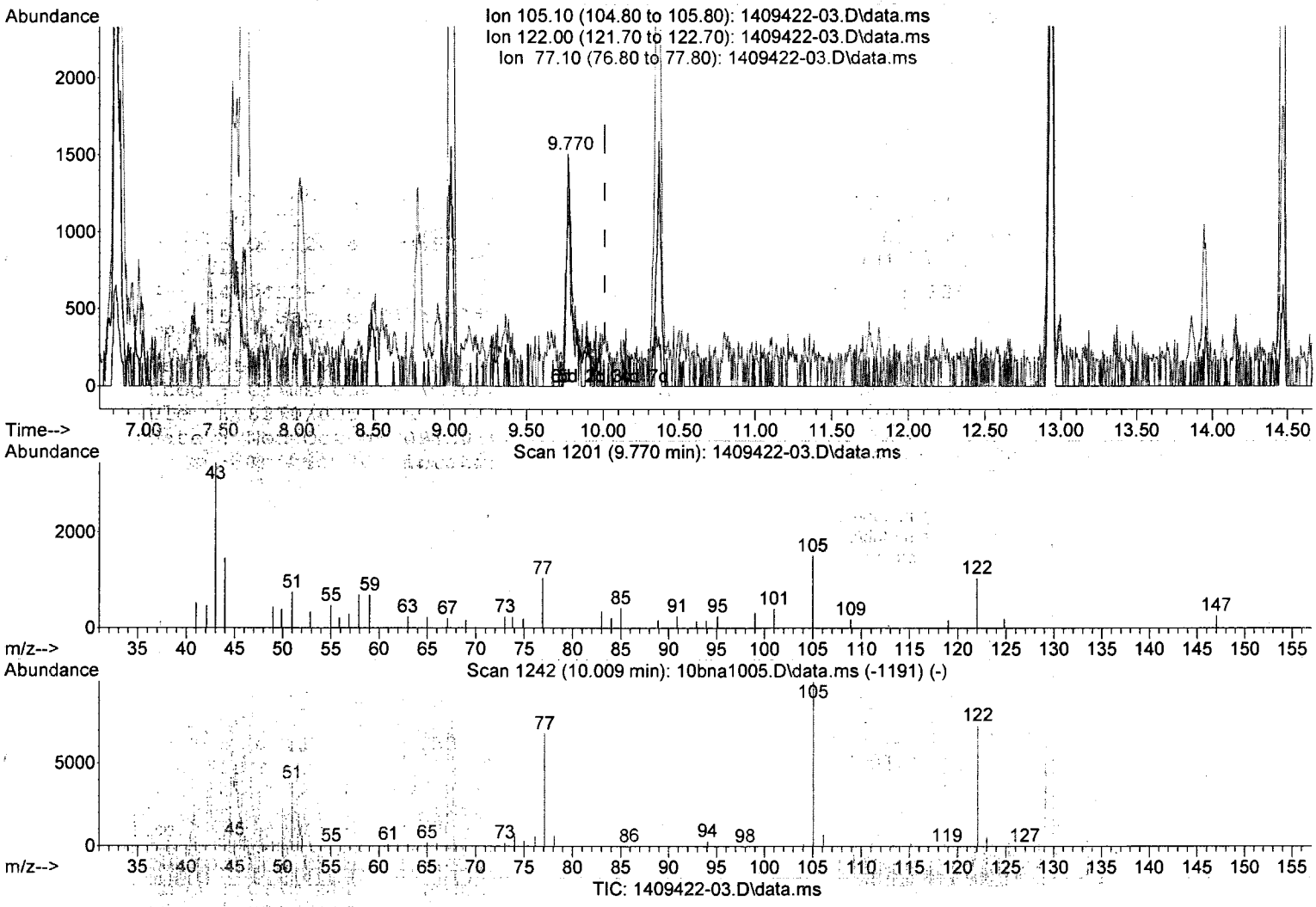
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	110.08#
0.00	0.00	0.00

JWS 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-03.D
Acq On : 5 Oct 2014 18:53
Operator : JLB
Sample : 1409422-03 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 06 09:55:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-03.D\data.ms

(30) Benzoic Acid

9.770min (-0.239) 2.51 ng/uL m

response 5127

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	5.32#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/7/14

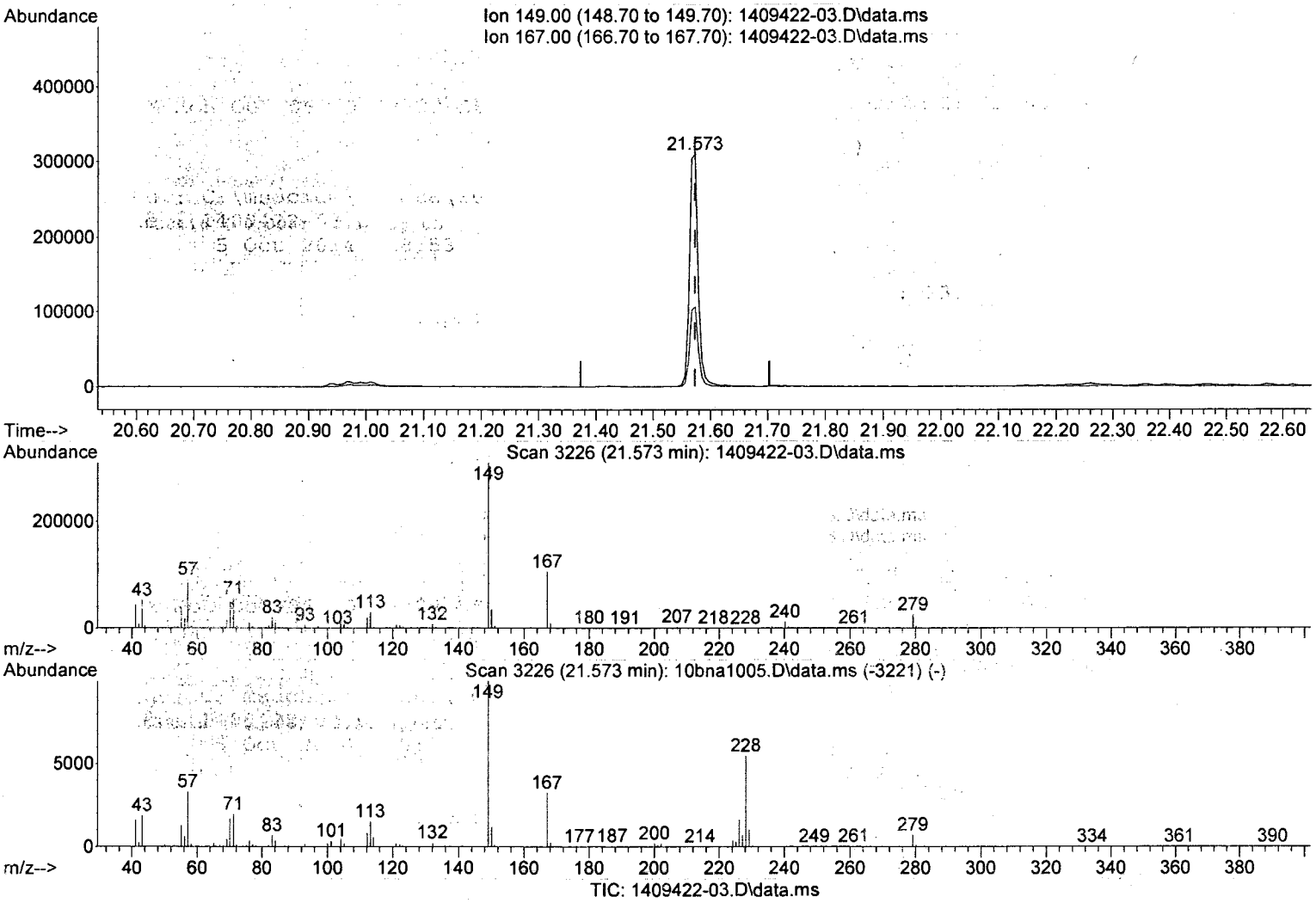
Reviewed By: ASC Date: 10/9/14

002139

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-03.D
Acq On : 5 Oct 2014 18:53
Operator : JLB
Sample : 1409422-03 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 06 09:55:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-03.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.573min (-0.000) 1.90 ng/uL

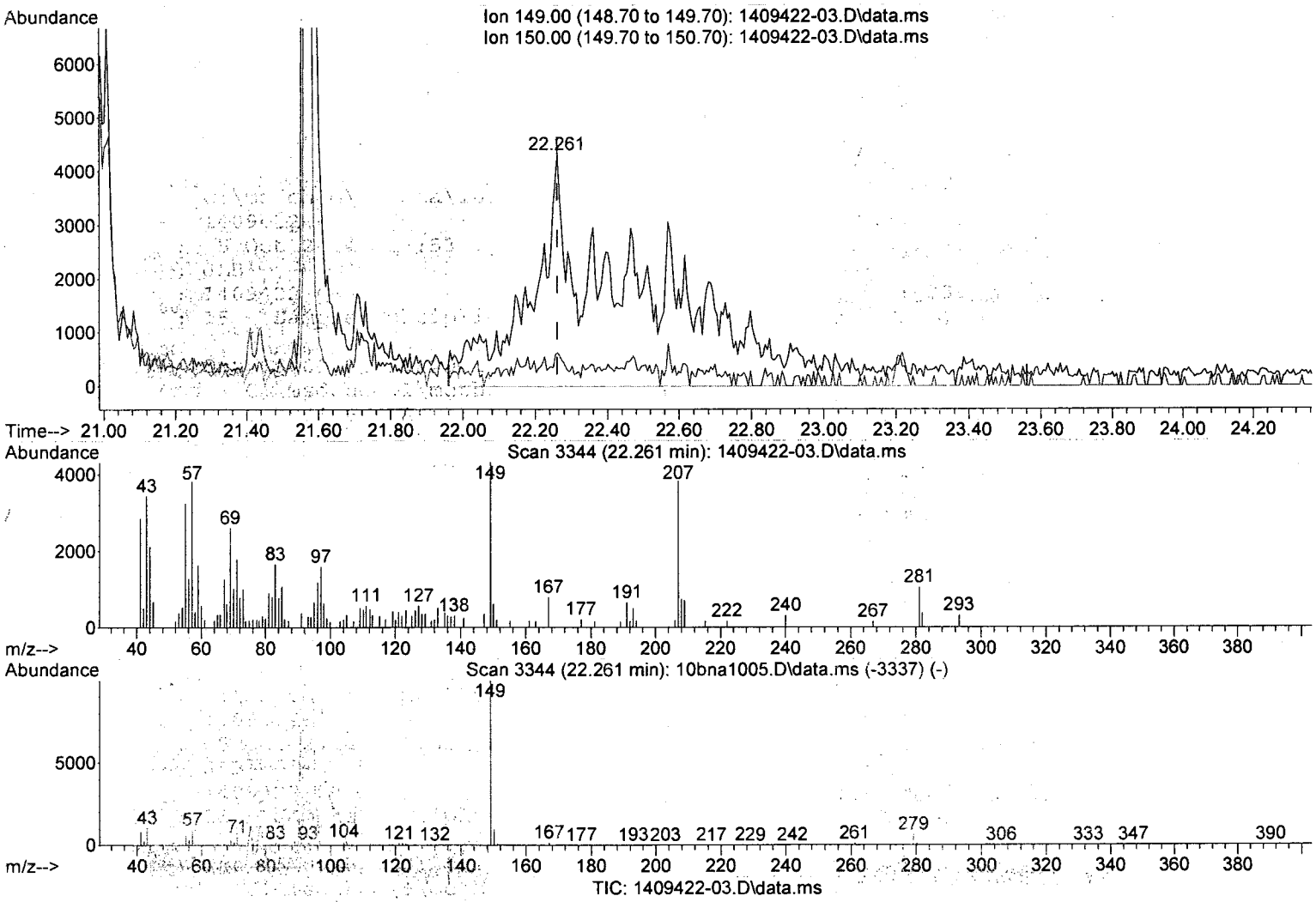
response 323013

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-03.D
Acq On : 5 Oct 2014 18:53
Operator : JLB
Sample : 1409422-03 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 06 09:55:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.261min (-0.000) 0.63 ng/uL

response 91434

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.63#
0.00	0.00	0.00
0.00	0.00	0.00

pp

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB17-21

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-04 File ID: 1409422-04.D

Sampled: 09/23/14 12:40 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 14:26

Solids: 97.99 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	2.8	2.8	8.5	17	J
50-32-8	Benzo(a)pyrene	1	8.5	2.3	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	3.2	1.9	8.5	17	J
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	170	71	170	340	U
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.0	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.7	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	1.9	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	4.9	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.3	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB17-21

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-04 File ID: 1409422-04.D

Sampled: 09/23/14 12:40 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 14:26

Solids: 97.99 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	3.9	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	260	12	17	34	B
206-44-0	Fluoranthene	1	4.6	4.6	17	17	J
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.8	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.7	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	68	25	68	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	13	17	170	U
85-01-8	Phenanthrene	1	4.3	4.2	17	17	J
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	4.6	4.4	17	17	J
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	711	368	52	33 - 113	
Phenol-d6	711	321	45	30 - 115	
Nitrobenzene-d5	356	244	69	33 - 131	
2-Fluorobiphenyl	356	290	82	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB17-21

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-04
File ID: 1409422-04.D
Sampled: 09/23/14 12:40
Prepared: 09/30/14 07:32
Analyzed: 10/07/14 14:26
Solids: 97.99
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08017
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	711	541	76	12 - 124	
o-Terphenyl	356	315	88	20 - 155	

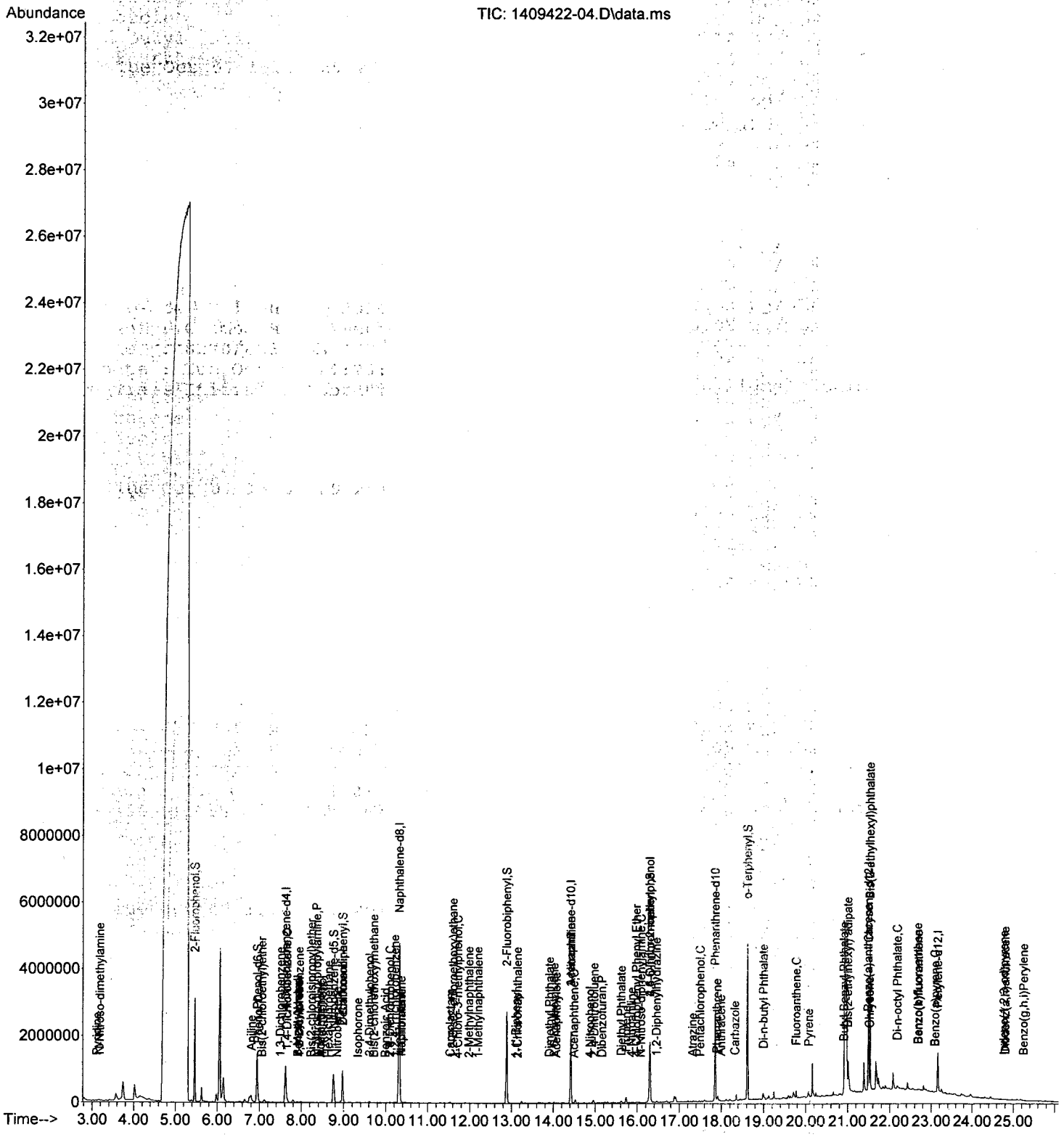
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	414012	7.62	403279	7.614	
Naphthalene-d8	1450360	10.318	1529030	10.359	
Acenaphthene-d10	948517	14.416	866604	14.474	
Phenanthrene-d10	1582672	17.855	1400442	17.901	
Chrysene-d12	1295624	21.498	1153654	21.538	
Perylene-d12	674980	23.159	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 15:00:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 15:00:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.620	152	414012	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.318	136	1450360	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.416	164	948517	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.855	188	1582672	5.00	ng/uL	0.00
81) Chrysene-d12	21.498	240	1295624	5.00	ng/uL	# 0.00
89) Perylene-d12	23.159	264	674980	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	979844	10.36	ng/uL	0.30
6) Phenol-d6	6.949	99	1106572	9.04	ng/uL	0.06
21) Nitrobenzene-d5	8.756	82	636924	6.87	ng/uL	0.00
23) Decafluorobiphenyl	8.972	334	496310	7.63	ng/uL	0.00
47) 2-Fluorobiphenyl	12.889	172	1598350	8.16	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.298	330	365060	15.21	ng/uL	-0.02
78) o-Terphenyl	18.618	230	1200192	8.85	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.184	74	147	0.00	ng/uL#	1
3) Pyridine	3.114	79	338	0.00	ng/uL#	1
5) Aniline	6.809	93	4841	0.27	ng/uL	93
7) Phenol	6.967	94	1731	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.054	93	161	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.491	146	1929	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.649	146	886	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.946	146	1946	0.02	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.232	45	111	0.00	ng/uL#	51
14) Benzyl Alcohol	7.911	108	499	0.01	ng/uL#	1
15) 2-Methylphenol	7.911	108	499	0.01	ng/uL#	1
16) Acetophenone	8.447	105	1876	0.01	ng/uL#	79
17) Hexachloroethane	8.634	119	96	0.00	ng/uL#	3
18) 4-Methylphenol	8.482	108	52	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.360	70	448	0.01	ng/uL	97
22) Nitrobenzene	8.838	77	492	0.00	ng/uL#	52
24) Isophorone	9.333	82	1168	0.01	ng/uL#	77
25) 2-Chloroaniline	8.972	127	5944	0.05	ng/uL#	63
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.613	107	67	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.712	93	66	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	10.097	162	143	0.00	ng/uL#	1
30) Benzoic Acid	9.986	105	240	2.46	ng/uL#	7
31) 1,2,4-Trichlorobenzene	10.207	180	751	0.01	ng/uL	88
32) Naphthalene	10.365	128	6649	0.02	ng/uL#	1
33) 4-Chloroaniline	10.359	127	580	0.01	ng/uL#	27
34) 2,6-Dichlorophenol	10.097	162	143	0.00	ng/uL#	52
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.536	55	12492	0.30	ng/uL#	31
37) 1,2-Bis(2-chloroethoxy...	11.601	63	110	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.711	107	418	0.01	ng/uL#	1
39) 2-Methylnaphthalene	11.979	142	5191	0.03	ng/uL	96
40) 1-Methylnaphthalene	12.201	142	2991	0.02	ng/uL#	78
41) 1,3 Dinitrobenzene	13.973	168	148	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 15:00:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.145	162	339	0.00 ng/uL	90
49) 1,1'-Biphenyl	13.104	154	1968	0.01 ng/uL#	75
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.066	152	1576	0.01 ng/uL#	79
52) 2,6-Dinitrotoluene	14.019	165	765	0.02 ng/uL#	31
53) Dimethyl Phthalate	13.903	163	13833	0.07 ng/uL#	90
54) 3-Nitroaniline	14.422	138	473	0.01 ng/uL#	1
55) Acenaphthene	14.492	153	1956	0.01 ng/uL	89
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	15.156	168	231	0.00 ng/uL	90
58) 4-Nitrophenol	14.870	65	111	0.00 ng/uL#	1
59) 2,4-Dinitrotoluene	14.969	165	613	0.01 ng/uL#	6
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.733	166	2896	0.01 ng/uL#	44
63) Diethyl Phthalate	15.616	149	12168	0.06 ng/uL	94
64) 4-Chlorophenyl Phenyl ...	15.978	204	693	0.01 ng/uL#	33
65) 4-Nitroaniline	15.861	138	127	0.00 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.298	198	1003	RT 1.01 ng/uL#	1
68) N-Nitroso-diphenylamine	16.083	169	2992	0.02 ng/uL#	34
69) 1,2-Diphenylhydrazine	16.456	182	258	0.00 ng/uL	93
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.313	200	58	0.00 ng/uL#	22
74) Pentachlorophenol	17.493	266	405	0.01 ng/uL#	1
75) Phenanthrene	17.895	178	36598	0.12 ng/uL	99
76) Anthracene	17.989	178	5346	0.02 ng/uL#	65
77) Carbazole	18.321	167	2256	0.01 ng/uL#	59
79) Di-n-butyl Phthalate	18.997	149	49889	0.16 ng/uL#	93
80) Fluoranthene	19.778	202	37915	0.13 ng/uL	100
82) Pyrene	20.070	202	40070	0.13 ng/uL#	92
83) Butyl Benzyl Phthalate	20.909	149	7158	0.06 ng/uL	84
84) Bis(2-ethylhexyl) adipate	21.008	129	5672	0.12 ng/uL#	100
85) Benzo(a)anthracene	21.486	228	17860	0.08 ng/uL#	61
86) Chrysene	21.521	228	17527	0.08 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.532	149	1118515	7.20 ng/uL	90
88) Di-n-octyl Phthalate	22.179	149	240355	PP 1.18 ng/uL#	75
90) Benzo(b)fluoroanthene	22.675	252	10999m	0.09 ng/uL	
91) Benzo(k)fluoranthene	22.692	252	6389m	0.05 ng/uL	
92) Benzo(a)pyrene	23.089	252	6625	0.06 ng/uL#	61
93) Indeno(1,2,3-cd)pyrene	24.767	276	4861	0.05 ng/uL#	78
94) Dibdenz(a,h)anthracene	24.802	278	2771	0.03 ng/uL#	85
95) Benzo(g,h,i)Perylene	25.251	276	4656	0.05 ng/uL#	66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 14:57:46 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration

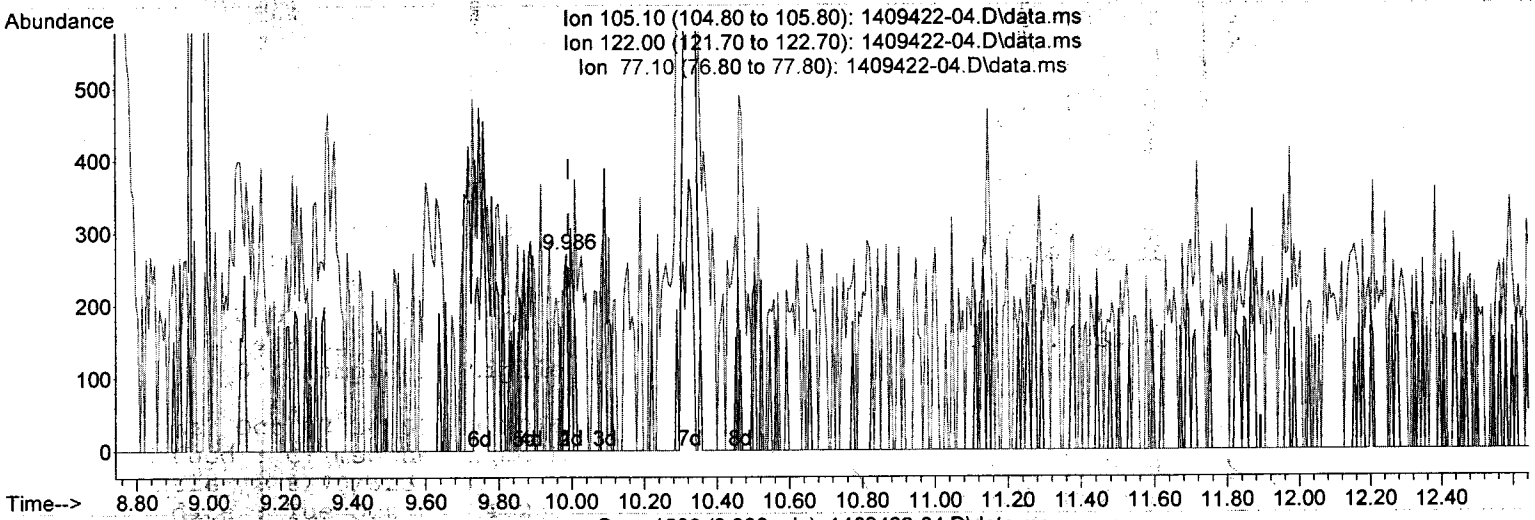
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.620	152	402877	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.318	136	1450360	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.416	164	946783	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.855	188	1582672	5.00	ng/uL		0.00
19) Chrysene-d12	21.498	240	1296149	5.00	ng/uL	#	0.00
22) Perylene-d12	23.159	264	689583	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.201	74	234	0.00	ng/uL#		1
3) Pyridine	3.114	79	338	0.00	ng/uL#		1
4) Aniline	6.809	93	4841	0.03	ng/uL		93
5) Benzaldehyde	6.734	105	421	0.00	ng/uL#		7
6) Acetophenone	8.447	105	1876	0.01	ng/uL#		79
7) N-Nitroso-di-n-propyla...	8.360	70	448	0.01	ng/uL		97
9) 4-Chloroaniline	10.441	127	269	0.01	ng/uL#		57
10) Caprolactam	11.292	55	2982	0.16	ng/uL#		48
12) 1,1'-Biphenyl	13.104	154	1968	0.01	ng/uL#		75
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.422	138	473	Below Cal		#	1
15) 4-Nitroaniline	15.838	138	59	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.083	169	2992	0.02	ng/uL#		34
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.011	184	5809	0.44	ng/uL#		94
21) 3,3'-Dichlorobenzidine	21.428	252	334	0.00	ng/uL		89

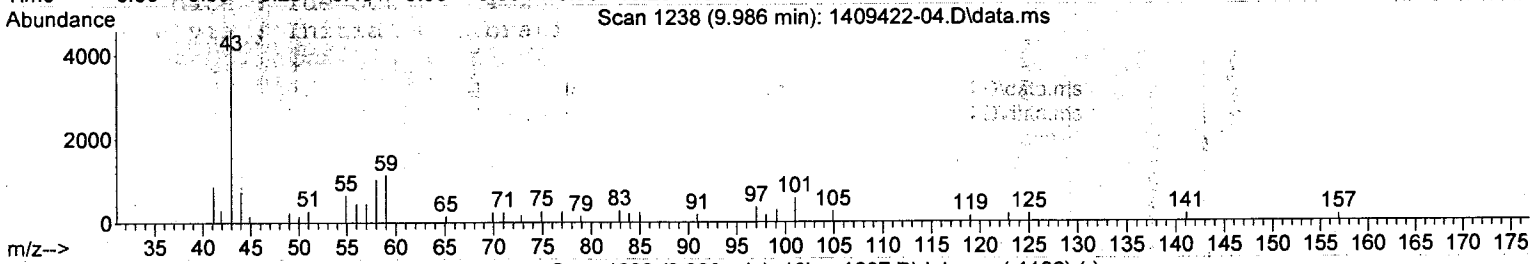
(#) = qualifier out of range (m) = manual integration (+) = signals summed

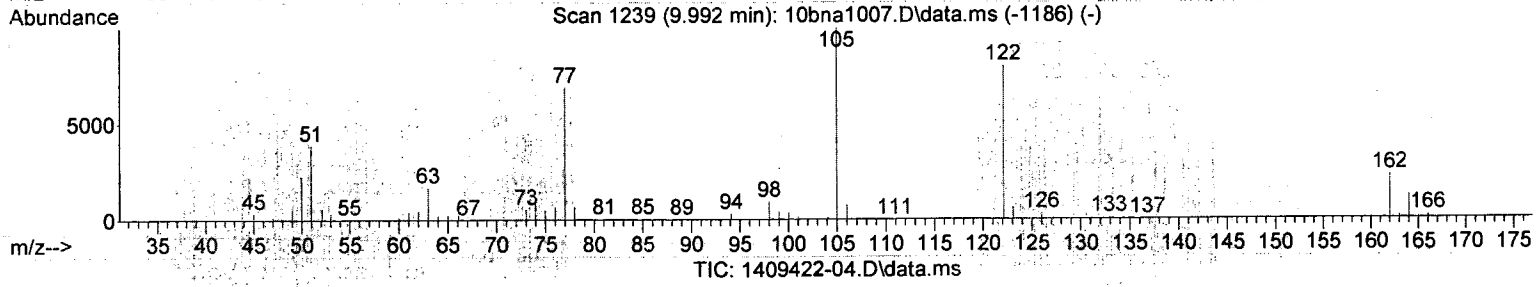
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 14:58:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409422-04.D\data.ms

(30) Benzoic Acid

9.986min (-0.006) 2.46 ng/uL

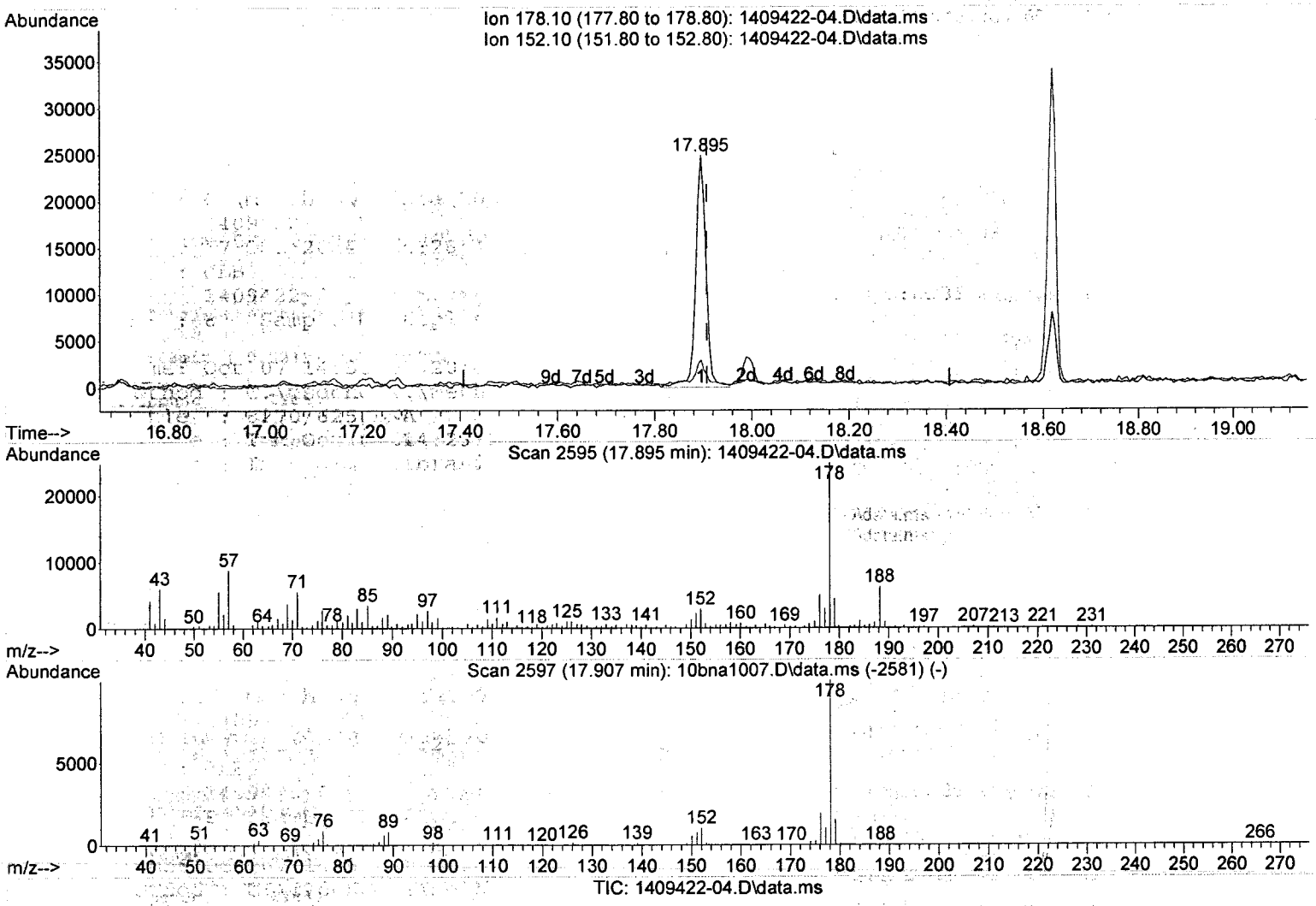
response 240

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	156.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 14:58:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



(75) Phenanthrene

17.895min (-0.012) 0.12 ng/uL

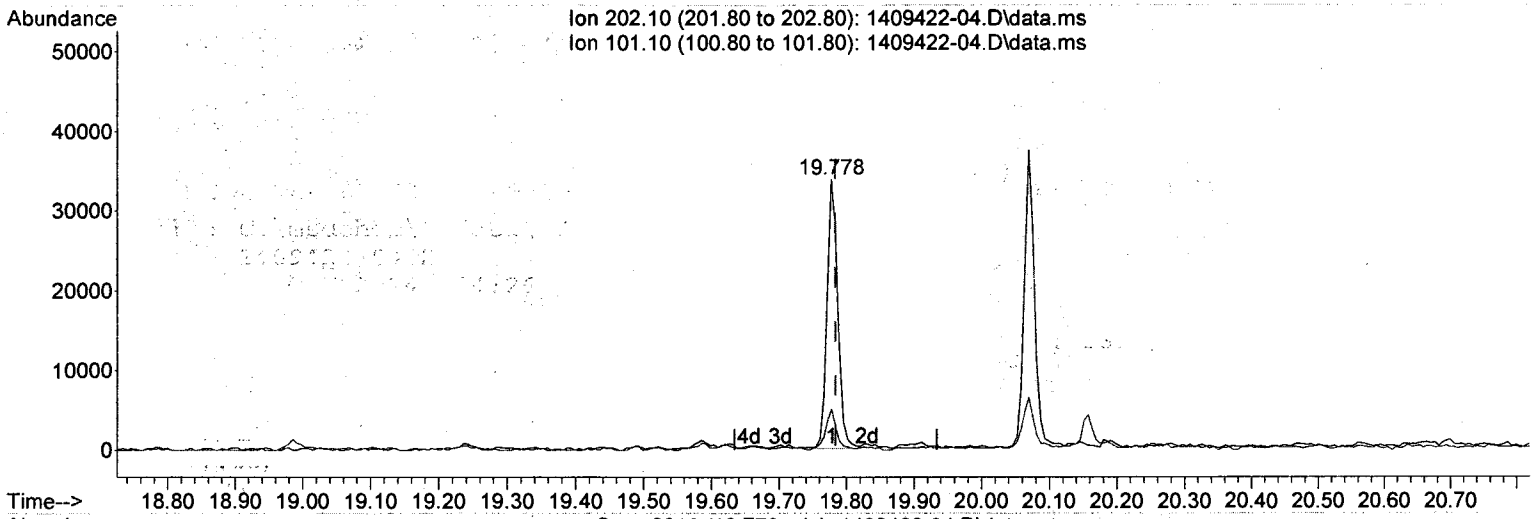
response 36598

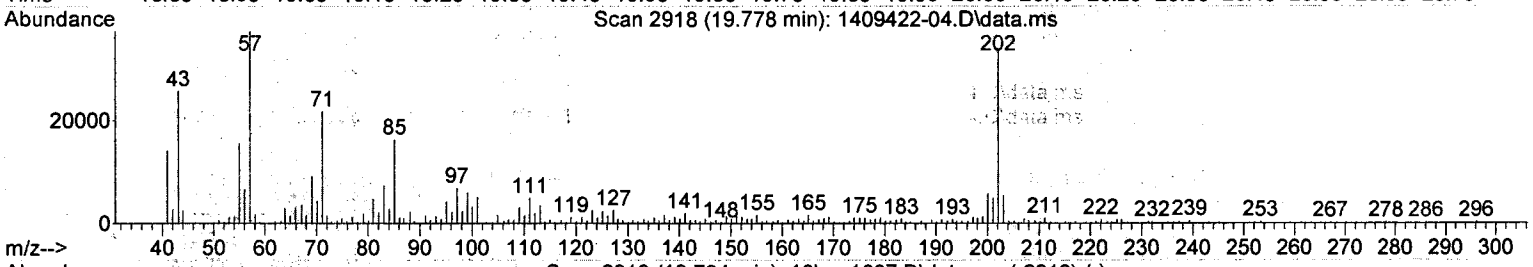
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	9.61
0.00	0.00	0.00
0.00	0.00	0.00

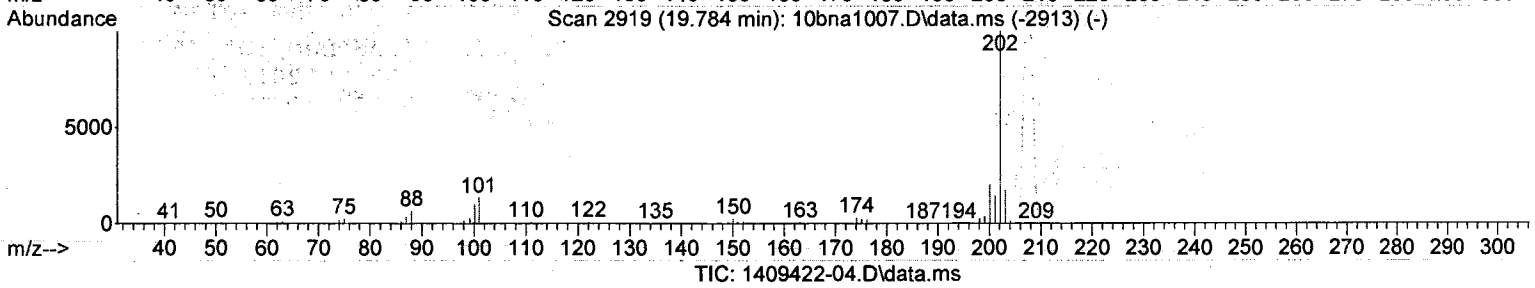
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 14:58:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409422-04.D\data.ms

(80) Fluoroanthene (C)

19.778min (-0.006) 0.13 ng/uL

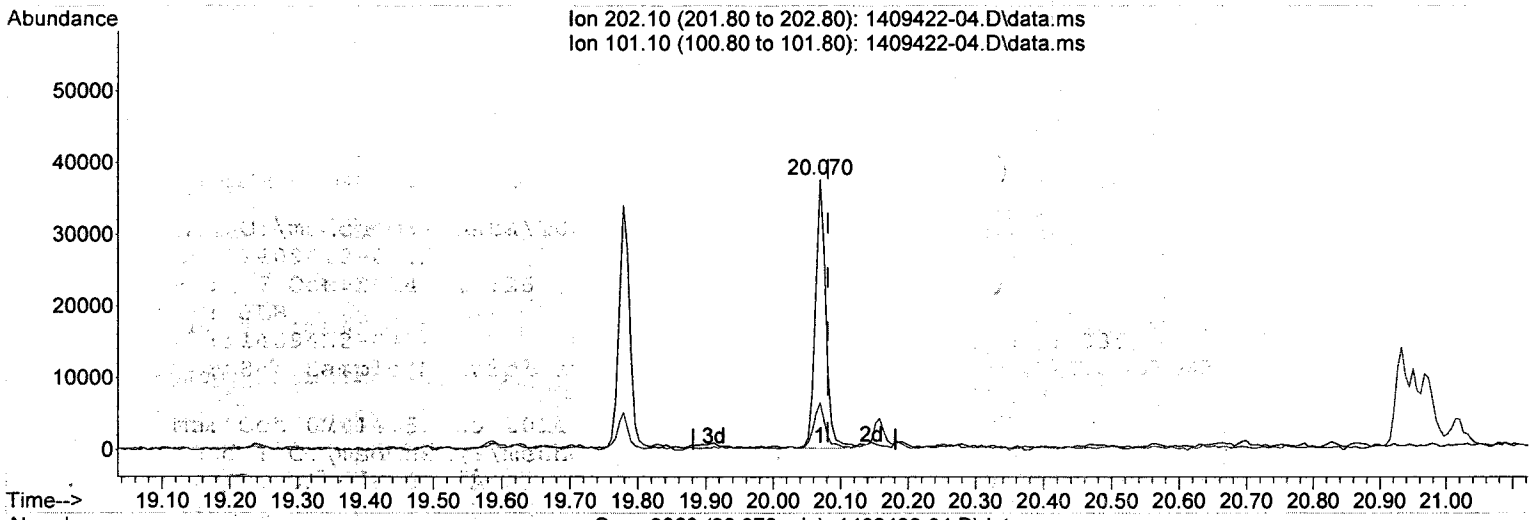
response 37915

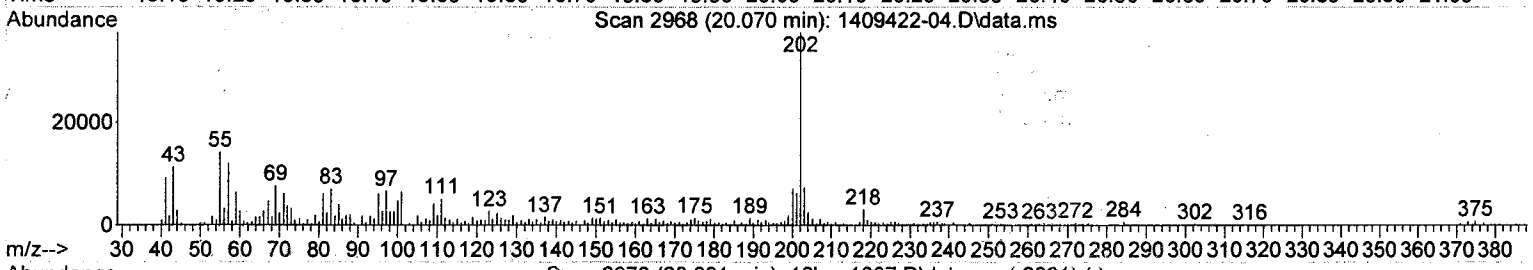
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	16.03
0.00	0.00	0.00
0.00	0.00	0.00

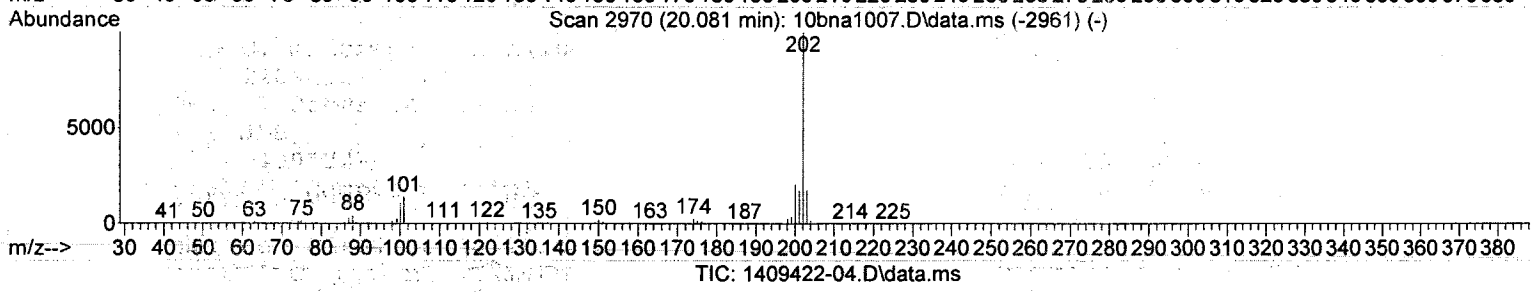
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 14:58:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409422-04.D\data.ms

(82) Pyrene

20.070min (-0.012) 0.13 ng/uL

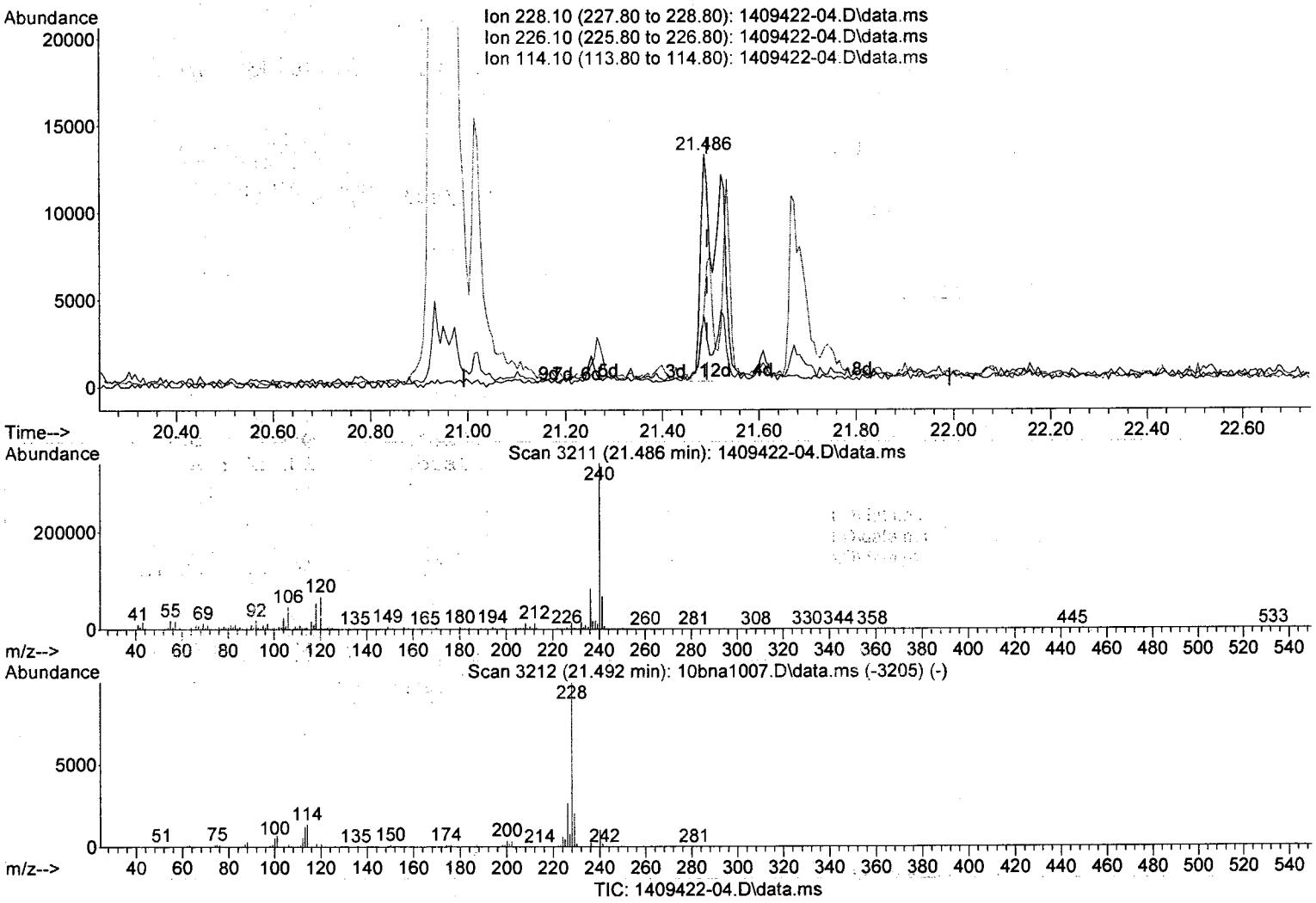
response 40070

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	19.50#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 14:58:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



TIC: 1409422-04.D\data.ms

(85) Benzo(a)anthracene

21.486min (-0.006) 0.08 ng/uL

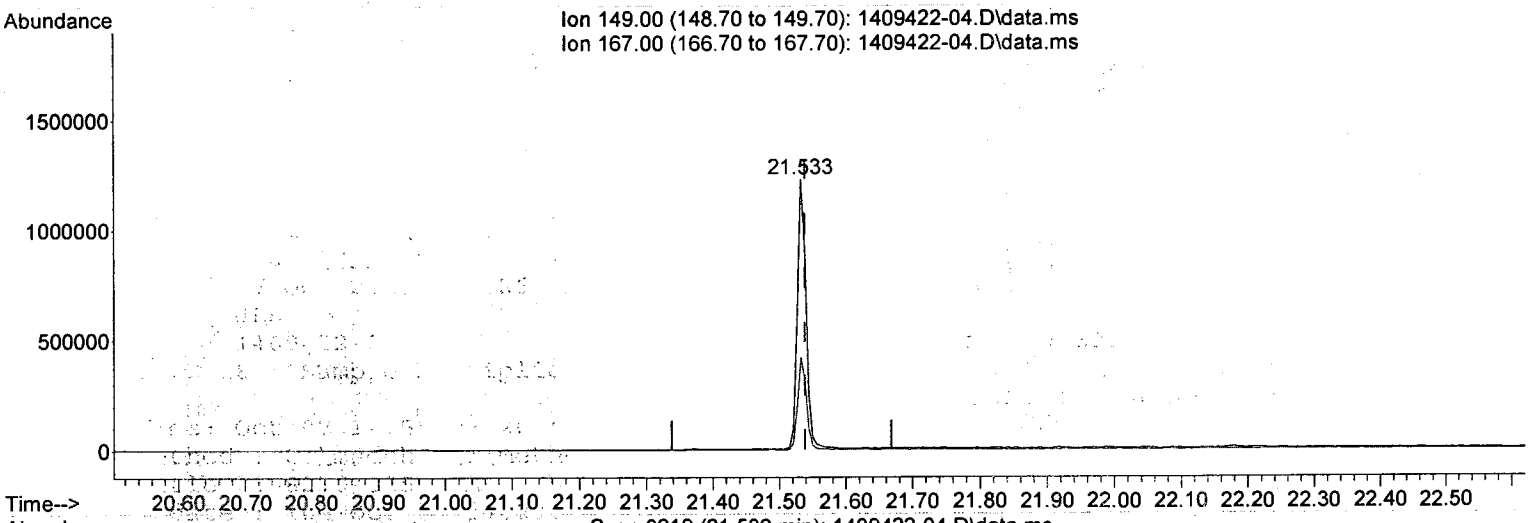
response 17860

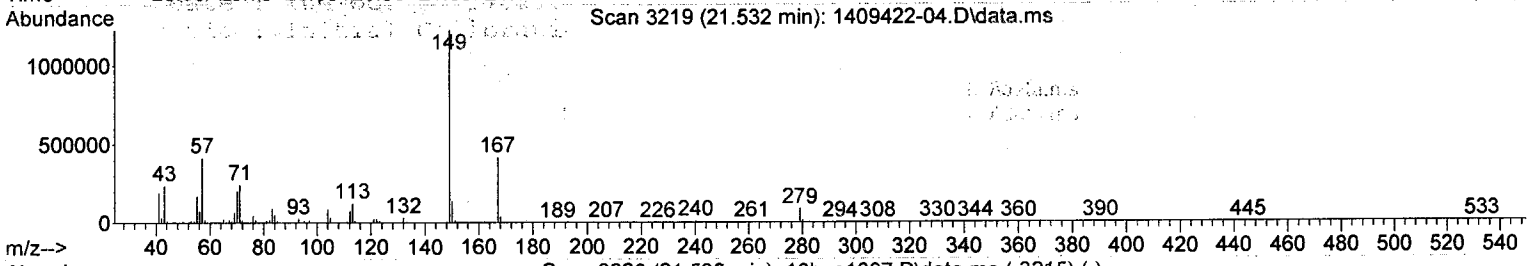
Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	23.80
114.10	13.30	55.59#
0.00	0.00	0.00

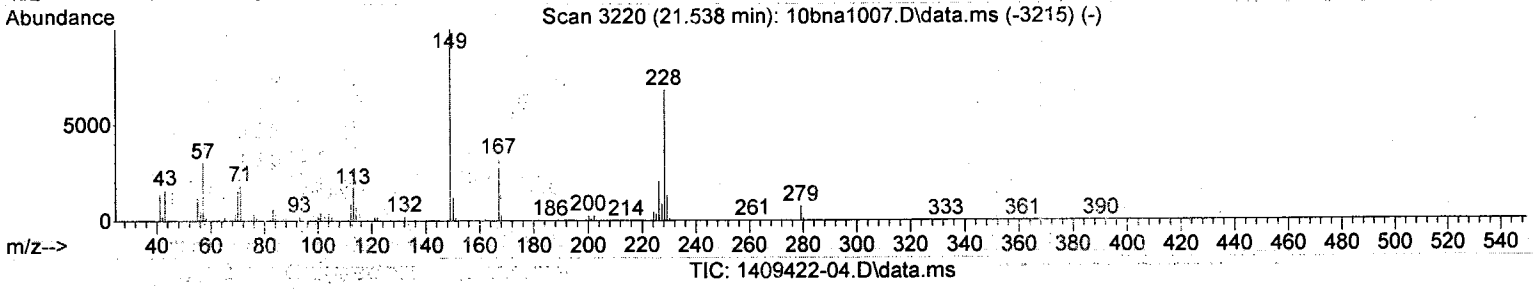
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 14:58:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409422-04.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.532min (-0.006) 7.20 ng/uL

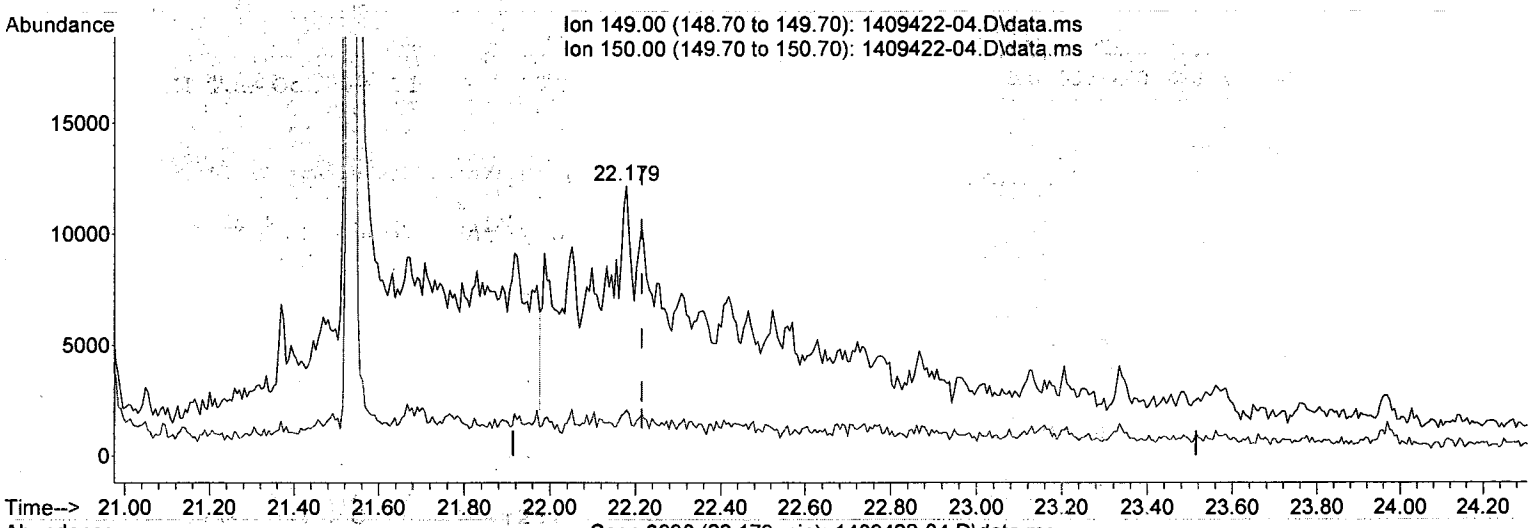
response 1118515

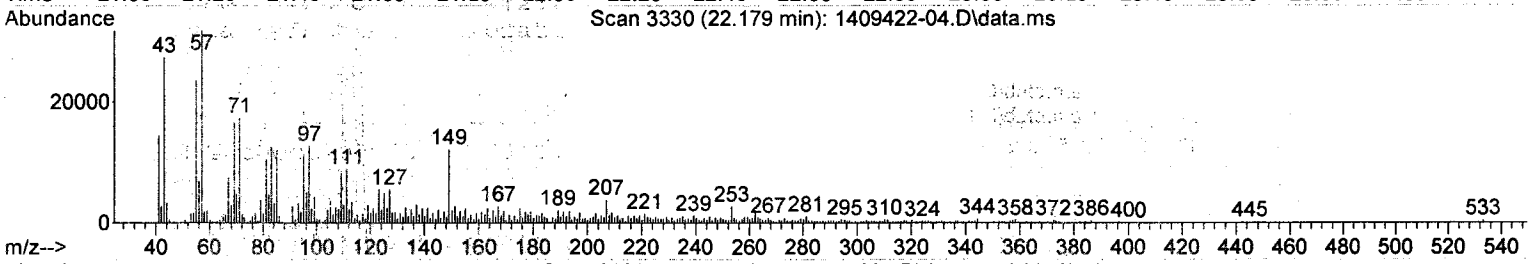
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.36
0.00	0.00	0.00
0.00	0.00	0.00

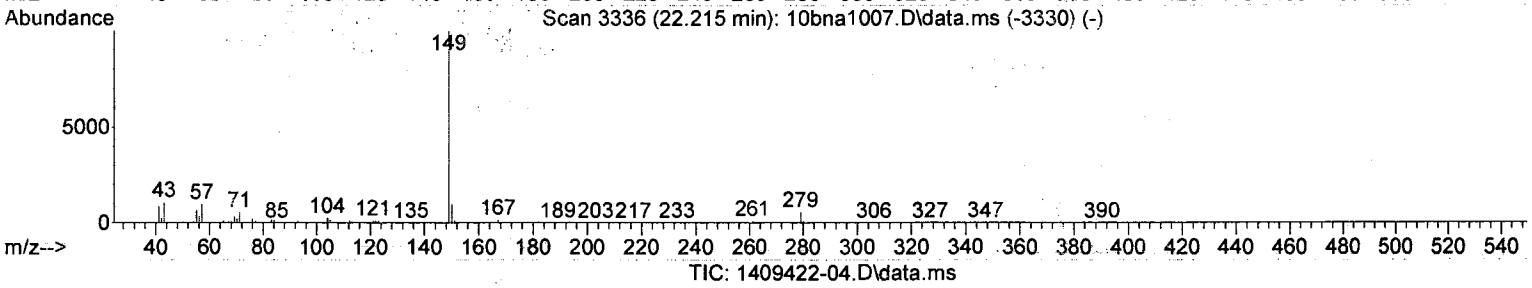
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 14:58:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409422-04.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.179min (-0.035) 1.18 ng/uL

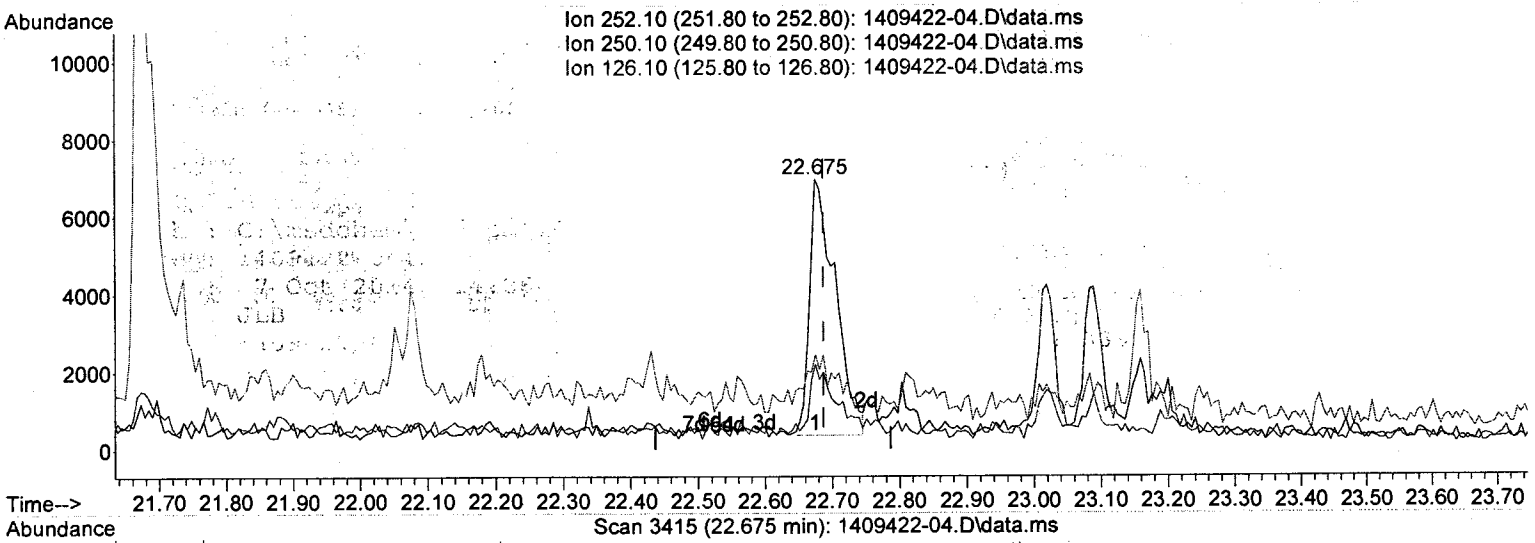
response 240355

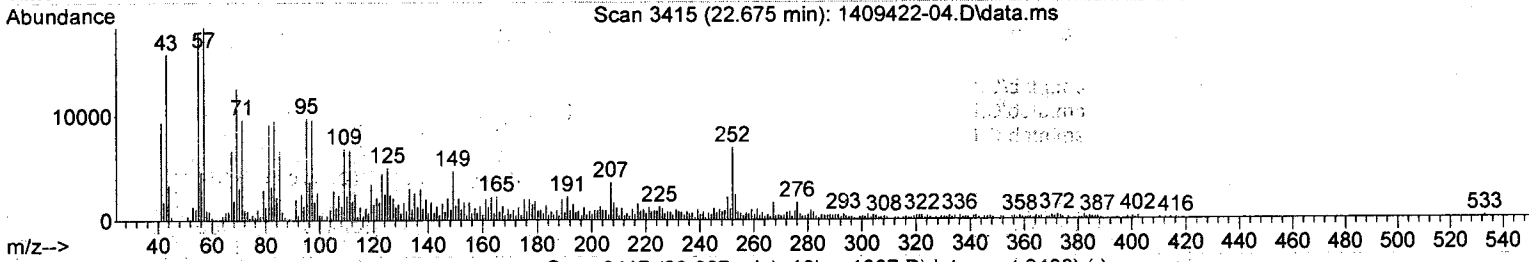
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.45#
0.00	0.00	0.00
0.00	0.00	0.00

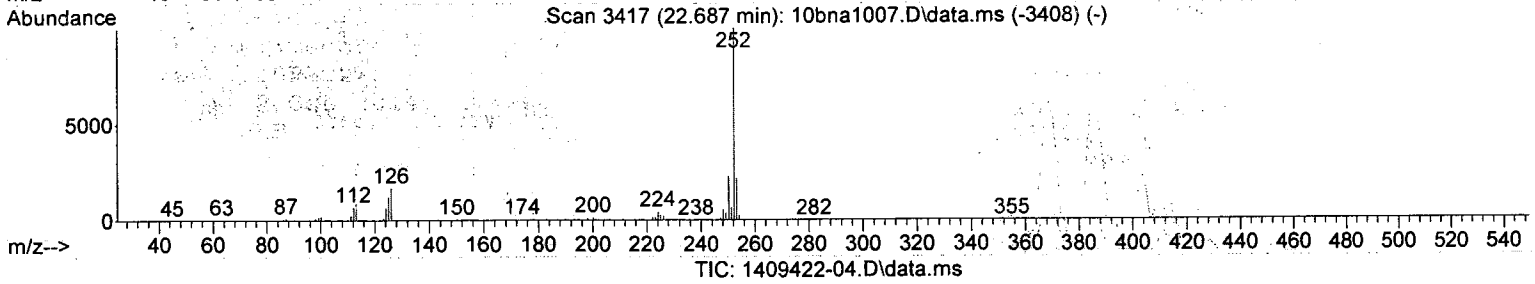
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 14:58:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409422-04.D\data.ms

(90) Benzo(b)fluoroanthene

22.675min (-0.012) 0.14 ng/uL

response 17511

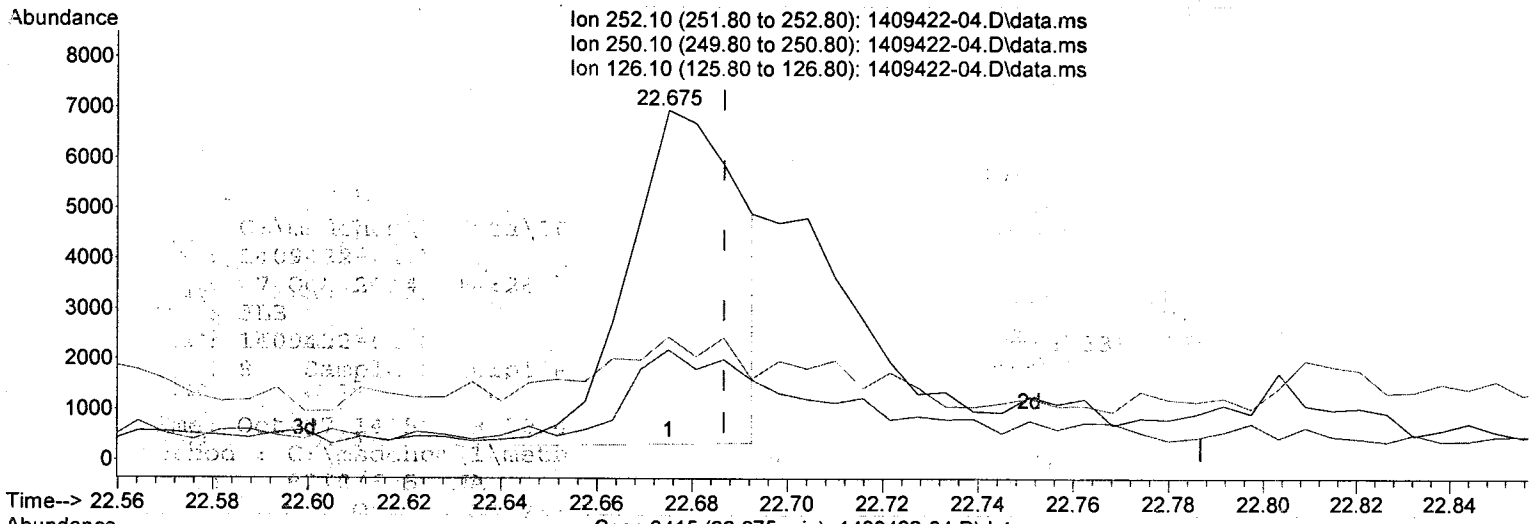
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	26.65
126.10	17.20	23.25#
0.00	0.00	0.00

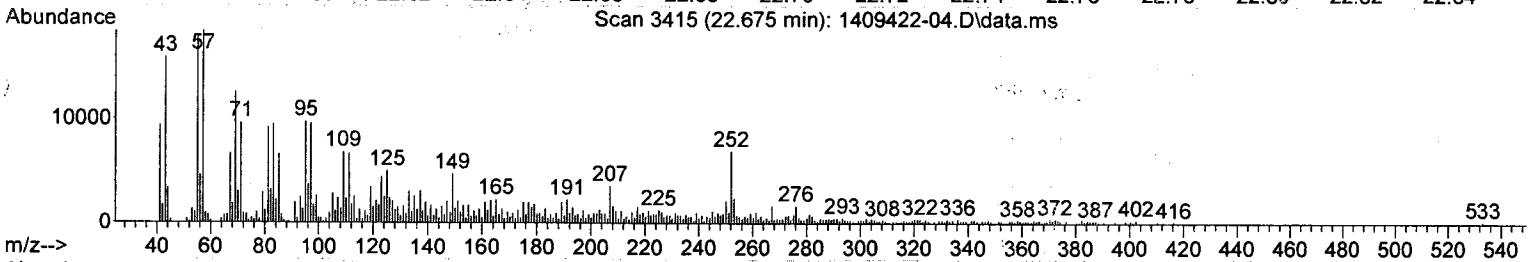
JLB 10/8/14

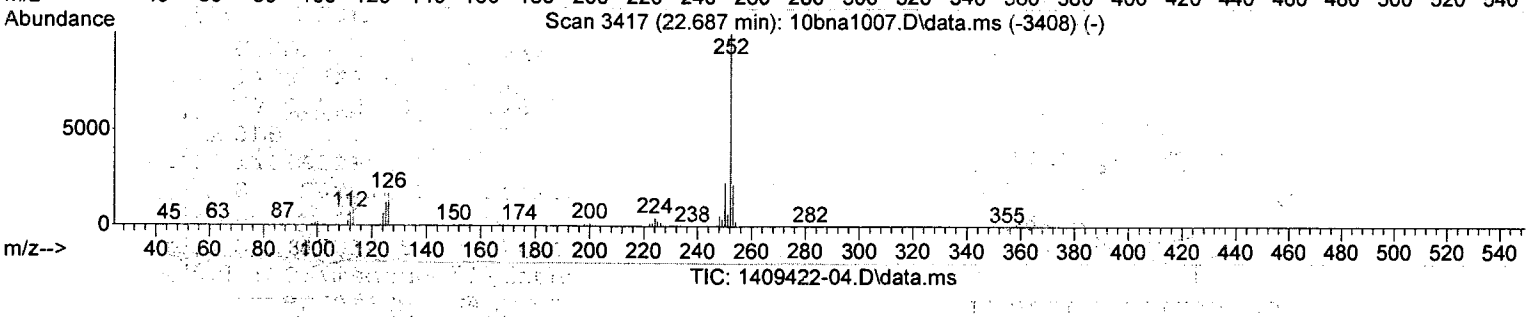
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 14:58:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409422-04.D\data.ms

(90) Benzo(b)fluoroanthene

22.675min (-0.012) 0.09 ng/uL m

response 10999

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	42.42#
126.10	17.20	37.02#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) No

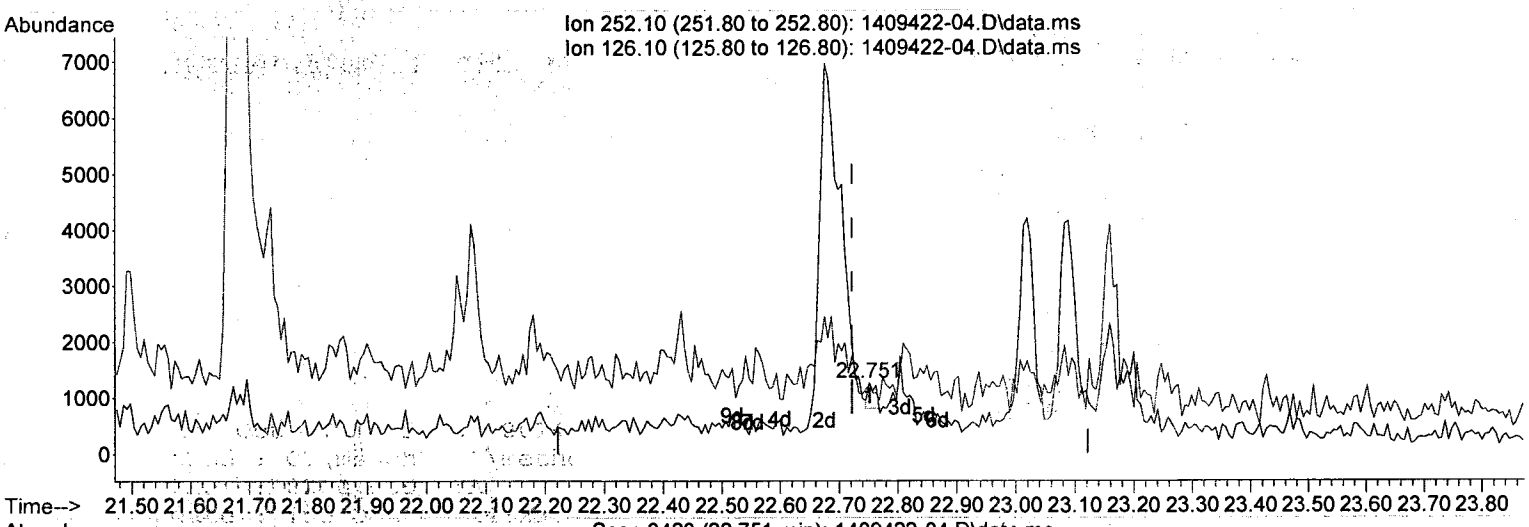
Analyst: JLB Date: 10/8/14

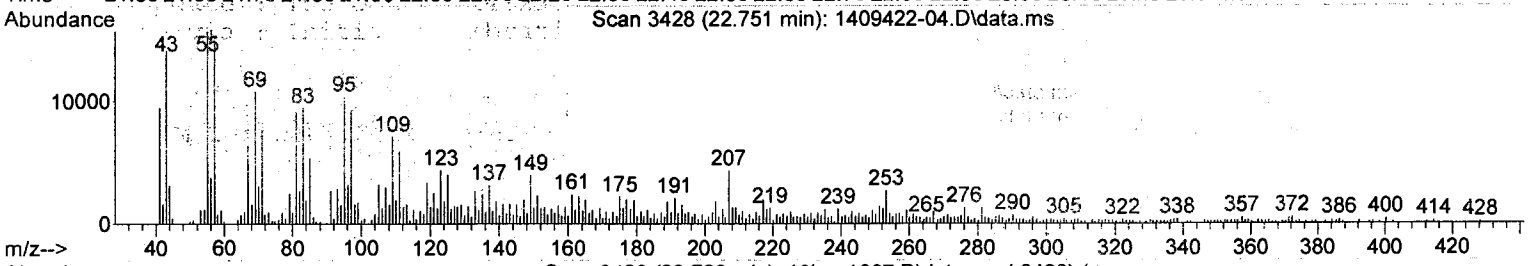
Reviewed By: ASC Date: 10/9/14

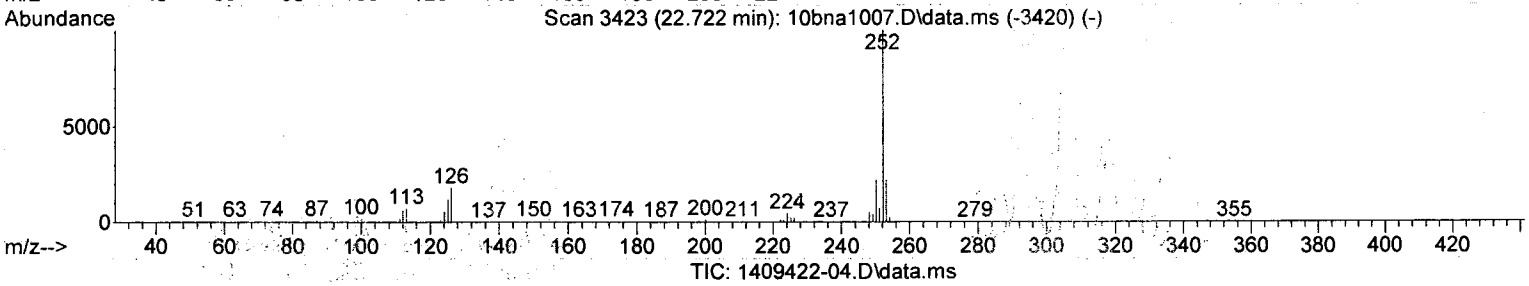
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 14:58:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409422-04.D\data.ms

(91) Benzo(k)fluoranthene

22.751min (+ 0.029) 0.00 ng/uL

response 387

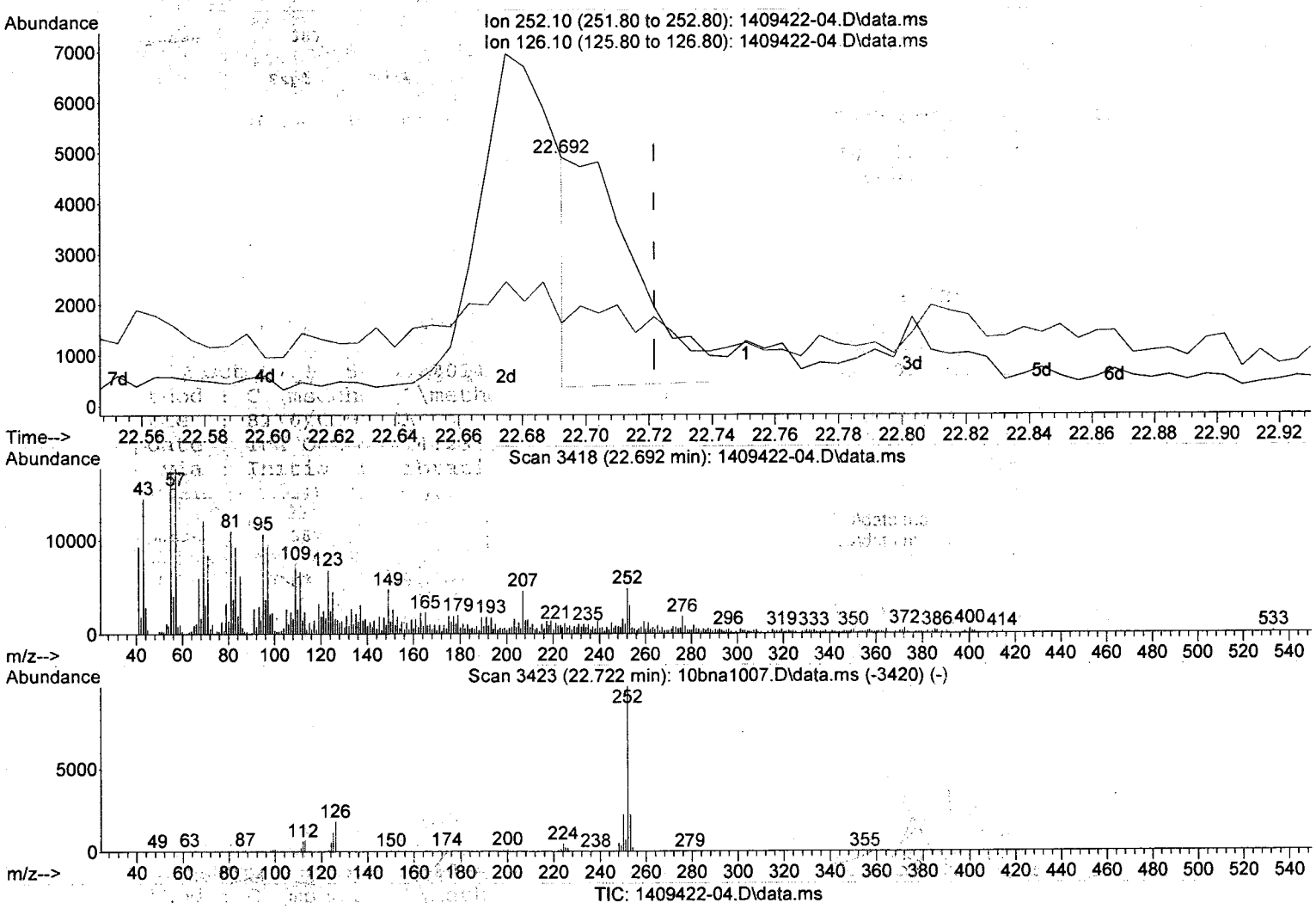
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	62.02#
0.00	0.00	0.00
0.00	0.00	0.00

JWS 10/8/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-04.D
Acq On : 7 Oct 2014 14:26
Operator : JLB
Sample : 1409422-04 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 07 14:58:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



TIC: 1409422-04.D\data.ms

(91) Benzo(k)fluoranthene

22.692min (-0.029) 0.05 ng/uL m

response 6389

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	3.76#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/8/14

Reviewed By: ASC Date: 10/9/14

CMDL

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB17-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-05 File ID: 1409422-05.D

Sampled: 09/23/14 13:00 Prepared: 09/30/14 07:32 Analyzed: 10/05/14 19:26

Solids: 97.75 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410423 Sequence: 4J06022 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	89	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB17-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-05 File ID: 1409422-05.D

Sampled: 09/23/14 13:00 Prepared: 09/30/14 07:32 Analyzed: 10/05/14 19:26

Solids: 97.75 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410423 Sequence: 4J06022 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	60	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	706	533	76	33 - 113	
Phenol-d6	706	534	76	30 - 115	
Nitrobenzene-d5	353	287	81	33 - 131	
2-Fluorobiphenyl	353	303	86	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB17-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-05
File ID: 1409422-05.D
Sampled: 09/23/14 13:00
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 19:26
Solids: 97.75
Preparation: 3550C Sonication Extract
Initial/Final: 29 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	706	564	80	12 - 124	
o-Terphenyl	353	322	91	20 - 155	

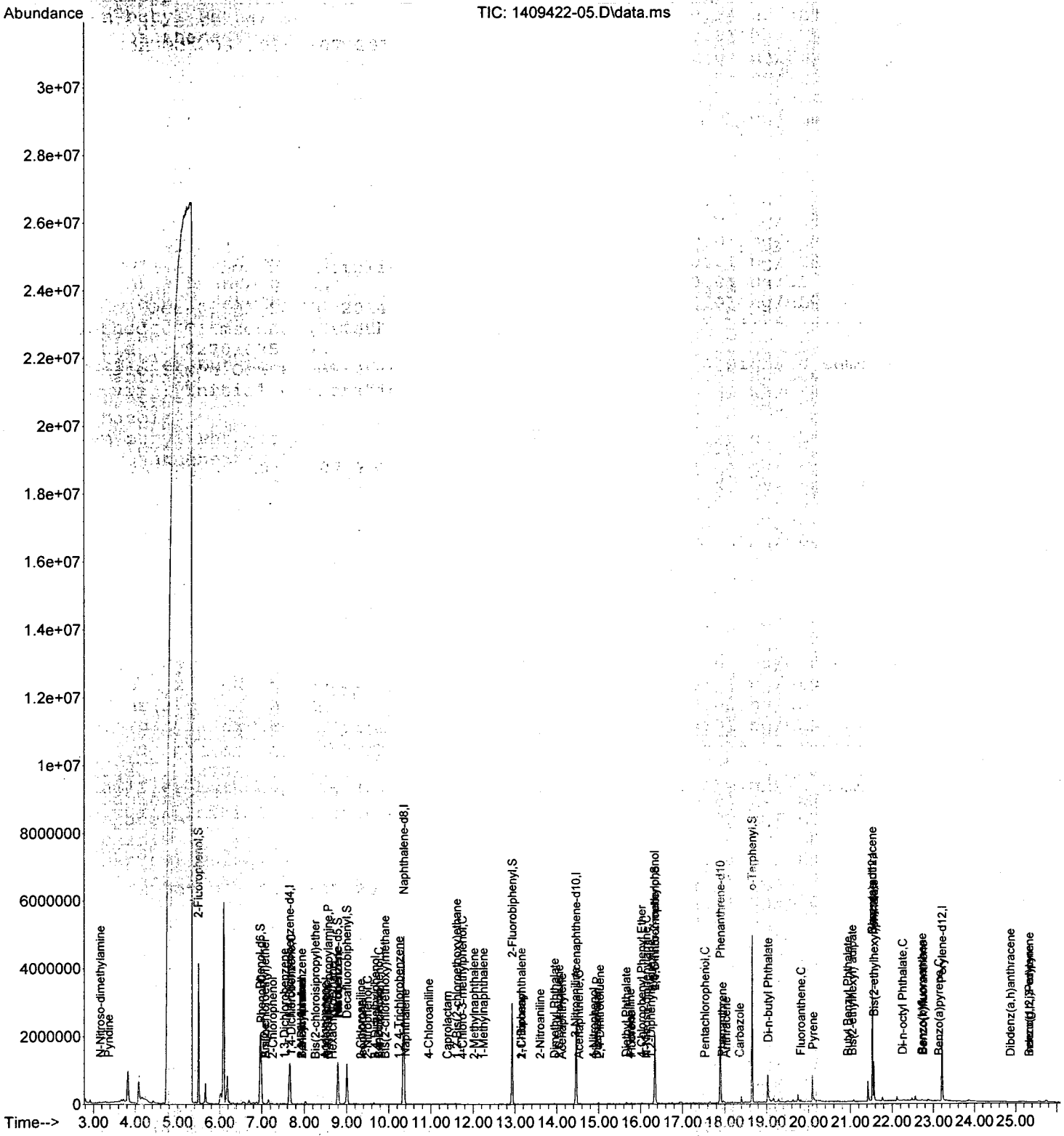
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	456433	7.655	403279	7.614	
Naphthalene-d8	1731188	10.359	1529030	10.359	
Acenaphthene-d10	1051310	14.463	866604	14.474	
Phenanthrene-d10	1727811	17.896	1400442	17.901	
Chrysene-d12	1490836	21.533	1153654	21.538	
Perylene-d12	1198874	23.211	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-05.D
Acq On : 5 Oct 2014 19:26
Operator : JLB
Sample : 1409422-05 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 06 09:58:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-05.D
Acq On : 5 Oct 2014 19:26
Operator : JLB
Sample : 1409422-05 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 06 09:58:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.655	152	456433	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.359	136	1731188	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.463	164	1051310	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.896	188	1727811	5.00	ng/uL	0.00
81) Chrysene-d12	21.533	240	1490836	5.00	ng/uL	# 0.00
89) Perylene-d12	23.211	264	1198874	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.492	112	1574980m	15.10	ng/uL	0.31
6) Phenol-d6	6.967	99	2042406	15.13	ng/uL	0.06
21) Nitrobenzene-d5	8.791	82	900845	8.14	ng/uL	0.00
23) Decafluorobiphenyl	9.007	334	644201	8.30	ng/uL	0.00
47) 2-Fluorobiphenyl	12.935	172	1863072	8.58	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.351	330	419218	16.00	ng/uL	-0.01
78) o-Terphenyl	18.659	230	1350279	9.12	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.167	74	248	0.00	ng/uL#	48
3) Pyridine	3.365	79	1153	0.01	ng/uL	83
5) Aniline	7.072	93	513	0.23	ng/uL#	33
7) Phenol	6.990	94	2616	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.072	93	513	0.00	ng/uL#	68
9) 2-Chlorophenol	7.253	128	233	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.532	146	2538	0.02	ng/uL#	16
11) 1,4-Dichlorobenzene	7.690	146	1285	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.940	146	256	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.267	45	634	0.00	ng/uL#	69
14) Benzyl Alcohol	7.940	108	676	0.01	ng/uL#	1
15) 2-Methylphenol	7.940	108	676	0.01	ng/uL#	1
16) Acetophenone	8.488	105	1280	0.01	ng/uL	87
17) Hexachloroethane	8.669	119	56	0.00	ng/uL#	3
18) 4-Methylphenol	8.523	108	347	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.570	70	678	0.01	ng/uL	98
22) Nitrobenzene	8.797	77	4014	0.03	ng/uL#	1
24) Isophorone	9.368	82	1074	0.00	ng/uL#	77
25) 2-Chloroaniline	9.339	127	80	0.00	ng/uL#	35
26) 2-Nitrophenol	9.497	139	170	0.00	ng/uL#	78
27) 2,4-Dimethylphenol	9.677	107	248	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.916	93	56	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	9.770	162	108	0.00	ng/uL#	2
30) Benzoic Acid	9.759	105	5658m	2.51	ng/uL	
31) 1,2,4-Trichlorobenzene	10.243	180	907	0.01	ng/uL	100
32) Naphthalene	10.394	128	2125	0.01	ng/uL#	1
33) 4-Chloroaniline	10.954	127	466	0.01	ng/uL#	46
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.391	55	725	0.01	ng/uL#	21
37) 1,2-Bis(2-chloroethoxy...	11.612	63	188	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.746	107	453	0.00	ng/uL#	44
39) 2-Methylnaphthalene	12.026	142	287	0.00	ng/uL#	67
40) 1-Methylnaphthalene	12.242	142	74	0.00	ng/uL#	1
41) 1,3 Dinitrobenzene	13.909	168	450	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-05.D
Acq On : 5 Oct 2014 19:26
Operator : JLB
Sample : 1409422-05 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 06 09:58:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43)	1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44)	Hexachlorocyclopentadiene	0.000		0	N.D.		
45)	2,4,6-Trichlorophenol	0.000		0	N.D.		
46)	2,4,5-Trichlorophenol	0.000		0	N.D.		
48)	2-Chloronaphthalene	13.157	162	706	0.00	ng/uL	92
49)	1,1'-Biphenyl	13.151	154	920	0.00	ng/uL#	72
50)	2-Nitroaniline	13.606	138	110	0.00	ng/uL#	50
51)	Acenaphthylene	14.124	152	279	0.00	ng/uL#	55
52)	2,6-Dinitrotoluene	14.055	165	767	0.01	ng/uL#	33
53)	Dimethyl Phthalate	13.950	163	6841	0.03	ng/uL#	86
54)	3-Nitroaniline	14.445	138	137	0.00	ng/uL#	1
55)	Acenaphthene	14.532	153	55	0.00	ng/uL#	8
56)	2,4-Dinitrophenol	0.000		0	N.D.		
57)	Dibenzofuran	14.958	168	115	0.00	ng/uL#	1
58)	4-Nitrophenol	14.882	65	486	0.01	ng/uL#	30
59)	2,4-Dinitrotoluene	15.028	165	66	0.00	ng/uL#	30
60)	2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62)	Fluorene	15.786	166	316	0.00	ng/uL#	14
63)	Diethyl Phthalate	15.663	149	14379	0.07	ng/uL	92
64)	4-Chlorophenyl Phenyl ...	16.030	204	911	0.01	ng/uL#	44
65)	4-Nitroaniline	15.756	138	117	0.00	ng/uL#	1
67)	4,6-Dinitro-2-methylph...	16.345	198	1026	~~1.01~~	ng/uL#	1
68)	N-Nitroso-diphenylamine	16.141	169	134	0.00	ng/uL#	26
69)	1,2-Diphenylhydrazine	16.252	182	1639	0.02	ng/uL#	50
71)	4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72)	Hexachlorobenzene	0.000		0	N.D.		
73)	Atrazine	0.000		0	N.D.		
74)	Pentachlorophenol	17.534	266	915	0.02	ng/uL#	1
75)	Phenanthrene	17.942	178	3175	0.01	ng/uL#	87
76)	Anthracene	18.030	178	572	0.00	ng/uL#	38
77)	Carbazole	18.356	167	673	0.00	ng/uL#	60
79)	Di-n-butyl Phthalate	19.038	149	47361	0.14	ng/uL#	91
80)	Fluoranthene	19.819	202	1767	0.01	ng/uL#	83
82)	Pyrene	20.110	202	2275	0.01	ng/uL#	1
83)	Butyl Benzyl Phthalate	20.938	149	3336	0.02	ng/uL	83
84)	Bis(2-ethylhexyl) adipate	21.043	129	4107	0.10	ng/uL#	100
85)	Benzo(a)anthracene	21.533	228	4269	0.02	ng/uL#	1
86)	Chrysene	21.533	228	4269	0.02	ng/uL	98
87)	Bis(2-ethylhexyl)phtha...	21.568	149	301494	1.69	ng/uL	92
88)	Di-n-octyl Phthalate	22.255	149	96712	~~0.63~~	ng/uL#	75
90)	Benzo(b)fluoroanthene	22.728	252	913	0.00	ng/uL#	1
91)	Benzo(k)fluoranthene	22.757	252	1566	0.01	ng/uL#	88
92)	Benzo(a)pyrene	23.136	252	1286	0.01	ng/uL#	70
93)	Indeno(1,2,3-cd)pyrene	25.333	276	1683	0.01	ng/uL#	40
94)	Dibenz(a,h)anthracene	24.872	278	1307	0.01	ng/uL	92
95)	Benzo(g,h,i)Perylene	25.333	276	1683	0.01	ng/uL#	34

(#) = qua... out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-05.D
Acq On : 5 Oct 2014 19:26
Operator : JLB
Sample : 1409422-05 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 06 09:26:01 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

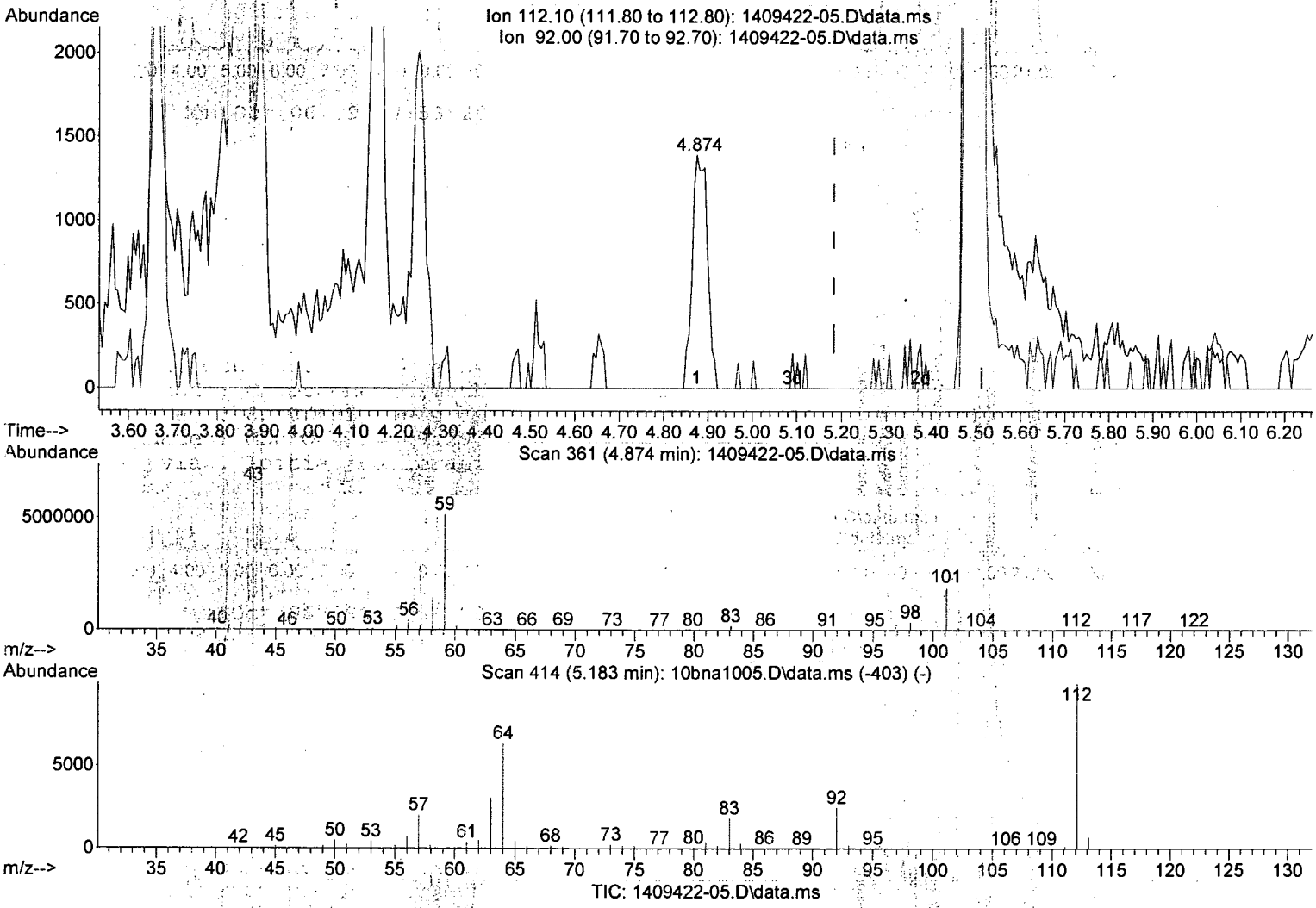
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.655	152	453217	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.359	136	1731188	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.463	164	1049862	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.896	188	1727811	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	1490836	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1218241	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.167	74	248	0.00	ng/uL	#	1
3) Pyridine	3.184	79	928	0.01	ng/uL	#	51
4) Aniline	7.072	93	513	0.00	ng/uL	#	33
5) Benzaldehyde	6.763	105	1037	0.01	ng/uL	#	1
6) Acetophenone	8.488	105	1280	0.01	ng/uL		87
7) N-Nitroso-di-n-propyla...	8.482	70	683	0.01	ng/uL	#	73
9) 4-Chloroaniline	10.977	127	129	0.01	ng/uL		94
10) Caprolactam	11.338	55	3294	0.15	ng/uL	#	64
12) 1,1'-Biphenyl	13.151	154	920	0.00	ng/uL	#	72
13) 2-Nitroaniline	13.606	138	110	0.01	ng/uL	#	50
14) 3-Nitroaniline	14.445	138	137	Below Cal		#	1
15) 4-Nitroaniline	15.826	138	68	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.141	169	134	0.00	ng/uL	#	26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.070	184	122	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.504	252	386	0.00	ng/uL	#	59

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-05.D
Acq On : 5 Oct 2014 19:26
Operator : JLB
Sample : 1409422-05 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 06 09:58:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(4) 2-Fluorophenol (S)

4.874min (-0.309) 0.03 ng/uL

response 3285

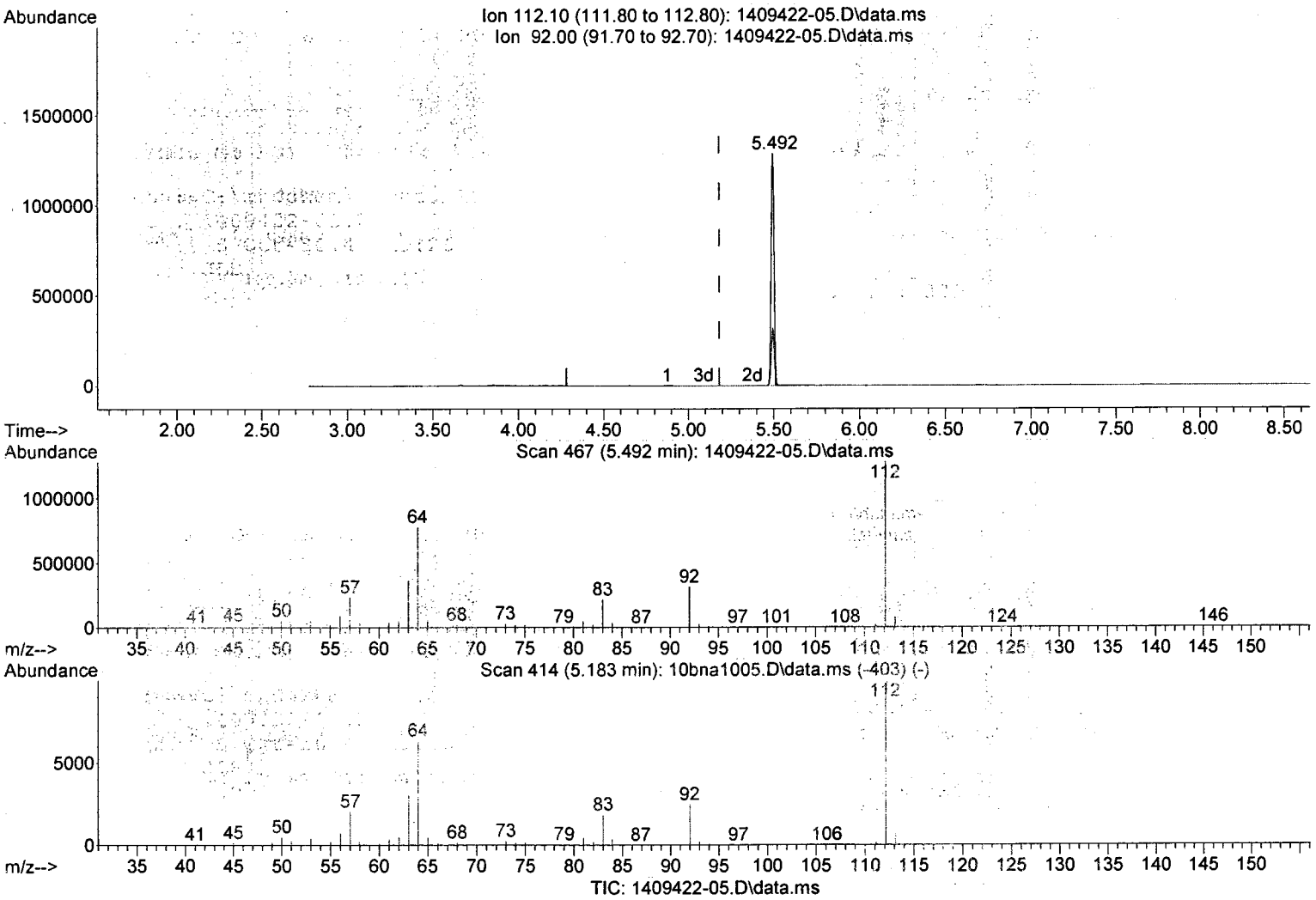
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

LMS 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-05.D
Acq On : 5 Oct 2014 19:26
Operator : JLB
Sample : 1409422-05 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 06 09:58:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-05.D\data.ms

(4) 2-Fluorophenol (S)

5.492min (+ 0.309) 15.10 ng/uL m

response 1574980

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

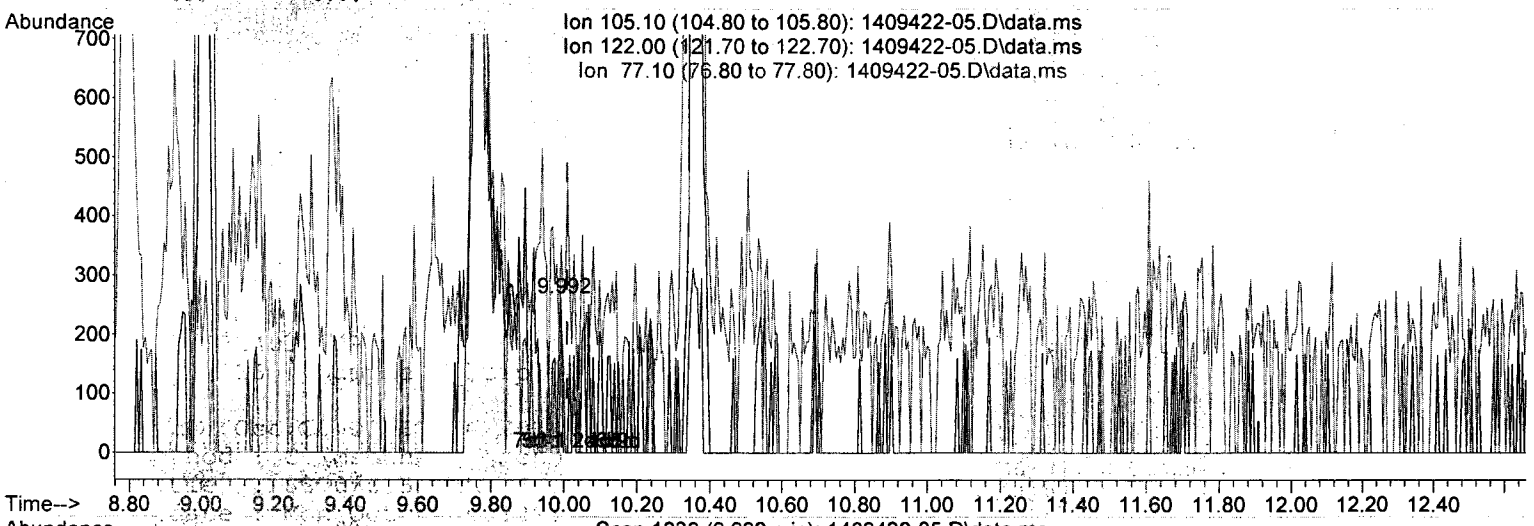
Reason 1: Incorrect peak integrated by the software.

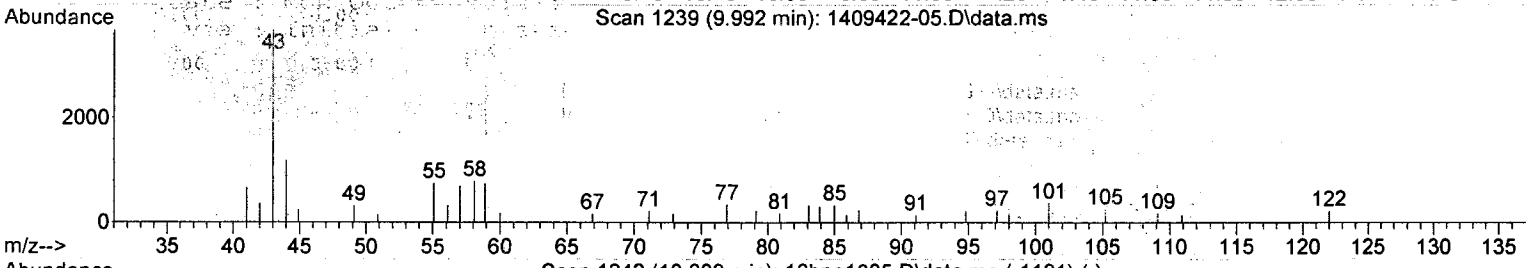
Flagged on Quantitation Report: (Yes) / No
Analyst: [illegible] Date: 10/7/14
Reviewed By: AEC Date: 10/9/14

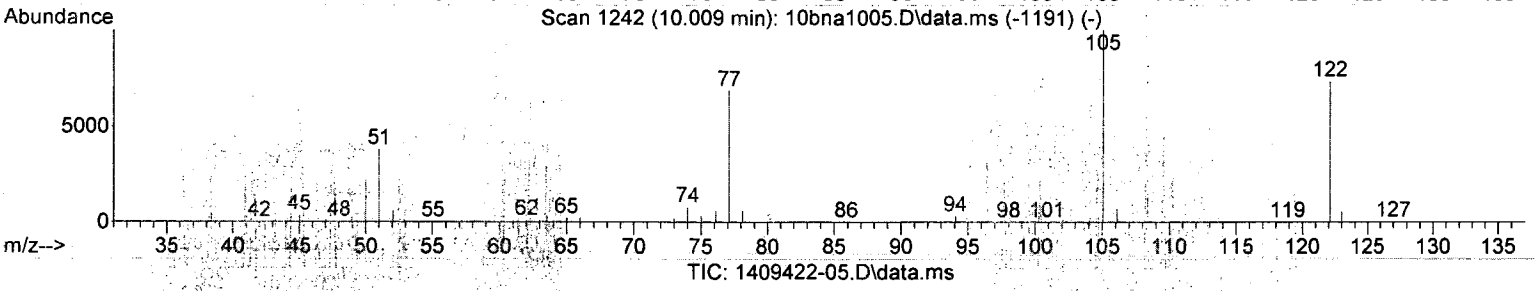
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-05.D
Acq On : 5 Oct 2014 19:26
Operator : JLB
Sample : 1409422-05 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 06 09:58:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-05.D\data.ms

(30) Benzoic Acid

9.992min (-0.017) 2.46 ng/uL

response 161

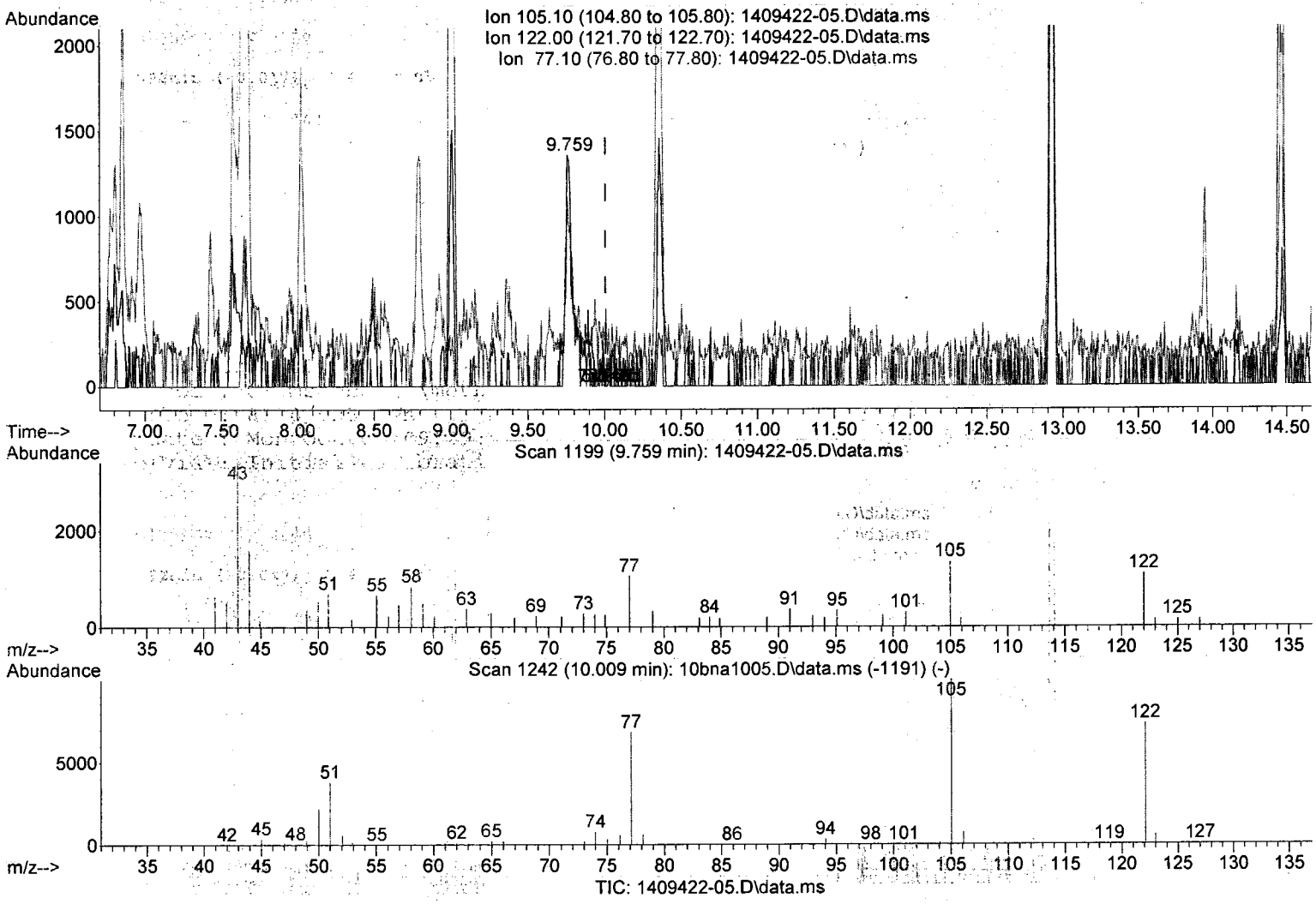
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	83.85
77.10	74.70	845.96#
0.00	0.00	0.00

JLB 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-05.D
Acq On : 5 Oct 2014 19:26
Operator : JLB
Sample : 1409422-05 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 06 09:58:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-05.D\data.ms

(30) Benzoic Acid

9.759min (-0.250) 2.51 ng/uL m

response 5658

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	2.39#
77.10	74.70	24.07#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No

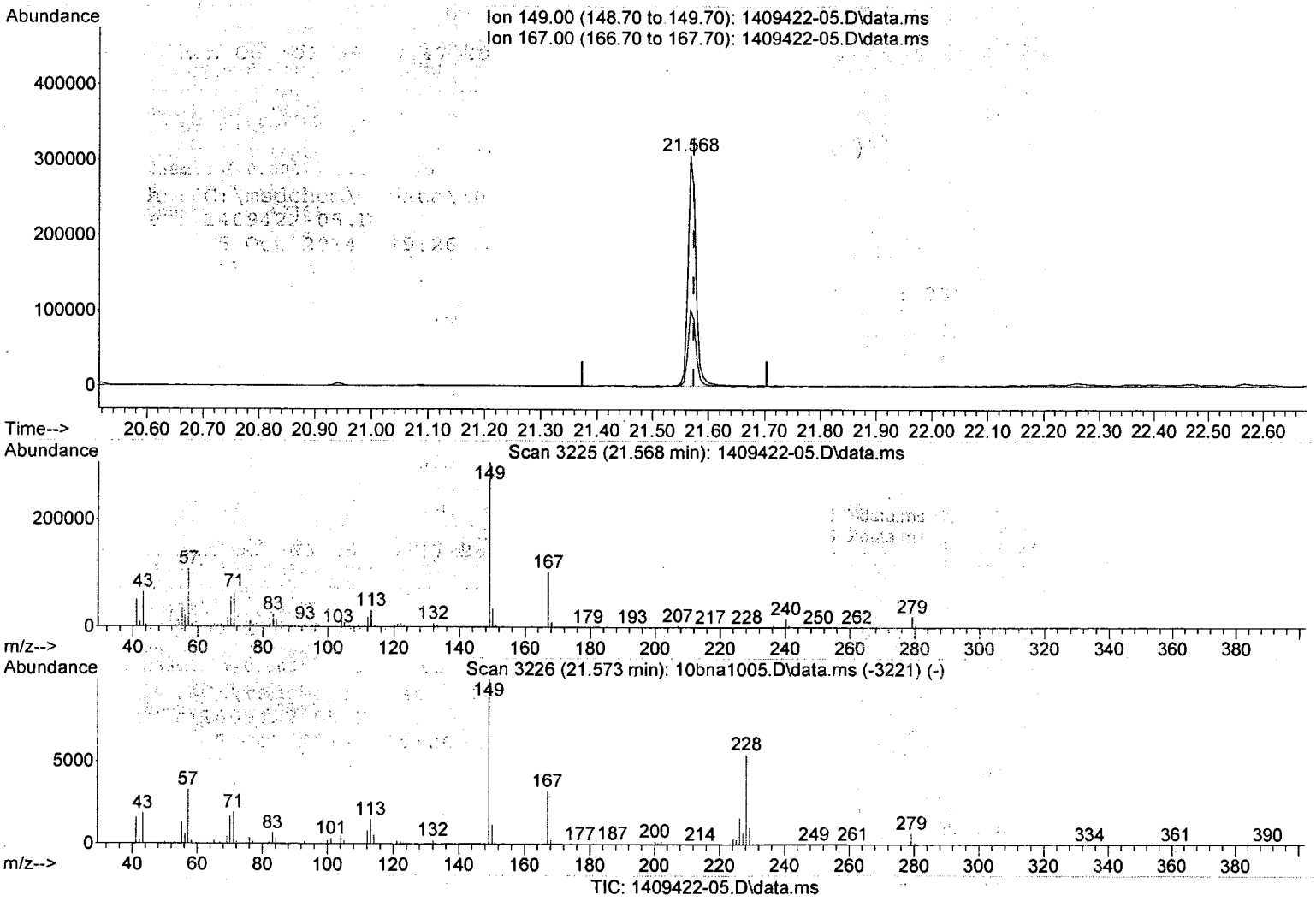
Analyst: JLB Date: 10/7/14

Reviewed By: ASC Date: 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-05.D
Acq On : 5 Oct 2014 19:26
Operator : JLB
Sample : 1409422-05 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 06 09:58:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-05.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.568min (-0.006) 1.69 ng/uL

response 301494

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.56
0.00	0.00	0.00
0.00	0.00	0.00

002171

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB19-35

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-06 File ID: 1409422-06.D

Sampled: 09/23/14 14:55 Prepared: 09/30/14 07:32 Analyzed: 10/05/14 19:58

Solids: 97.10 Preparation: 3550C Sonication Extract Initial/Final: 29.8 grams / 1 mL

QC Batch: 1410423 Sequence: 4J06022 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	8.6	2.0	8.6	17	U
207-08-9	Benzo(k)fluoranthene	1	8.6	2.0	8.6	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.6	1.9	8.6	34	U
65-85-0	Benzoic Acid	1	88	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB19-35

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-06 File ID: 1409422-06.D

Sampled: 09/23/14 14:55 Prepared: 09/30/14 07:32 Analyzed: 10/05/14 19:58

Solids: 97.10 Preparation: 3550C Sonication Extract Initial/Final: 29.8 grams / 1 mL

QC Batch: 1410423 Sequence: 4J06022 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	62	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.5	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	691	481	70	33 - 113	
Phenol-d6	691	313	45	30 - 115	
Nitrobenzene-d5	346	263	76	33 - 131	
2-Fluorobiphenyl	346	299	86	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB19-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-06
File ID: 1409422-06.D
Sampled: 09/23/14 14:55
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 19:58
Solids: 97.10
Preparation: 3550C Sonication Extract
Initial/Final: 29.8 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	691	535	77	12 - 124	
o-Terphenyl	346	313	91	20 - 155	

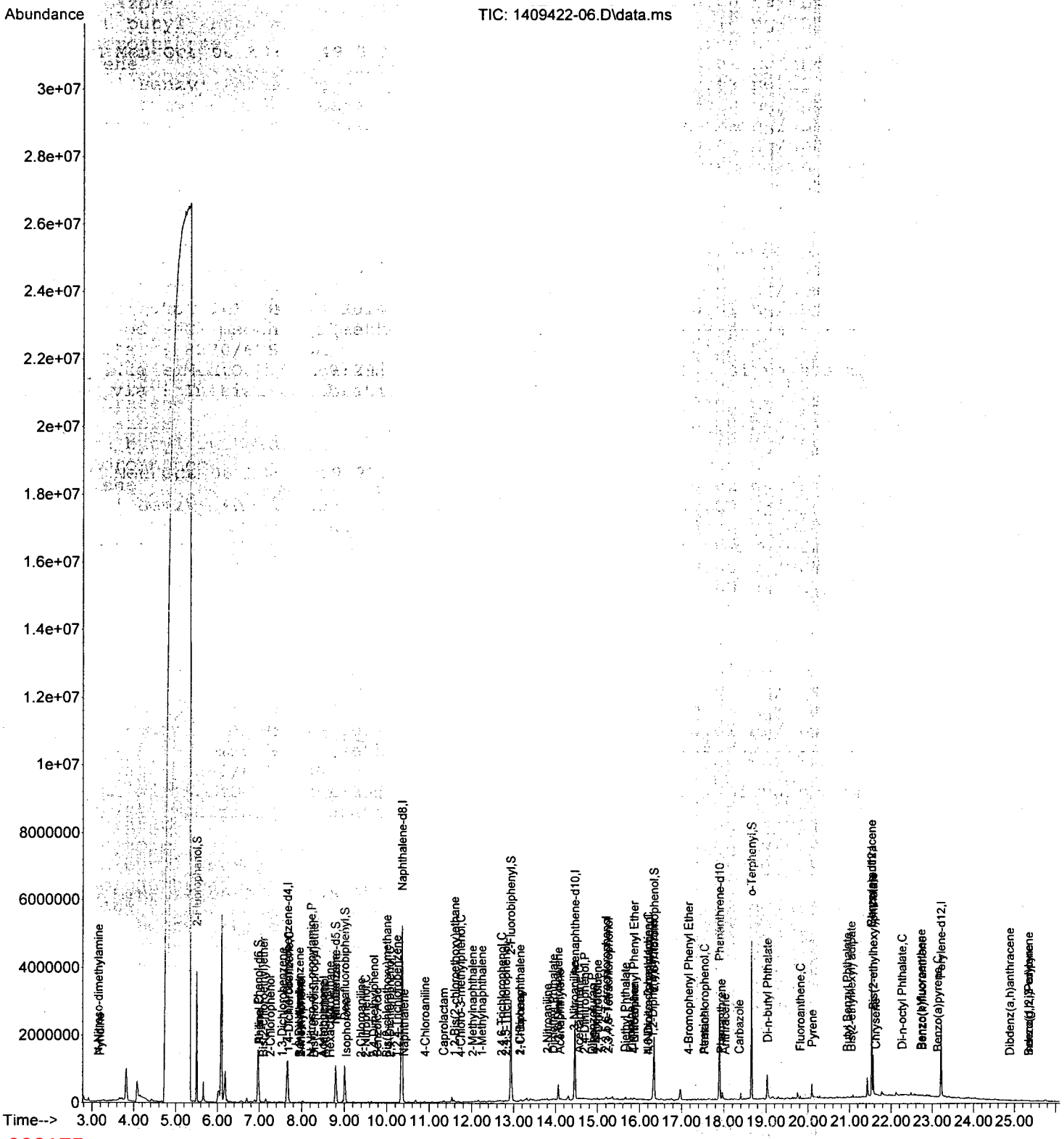
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	464306	7.66	403279	7.614	
Naphthalene-d8	1656328	10.359	1529030	10.359	
Acenaphthene-d10	1040821	14.462	866604	14.474	
Phenanthrene-d10	1687419	17.896	1400442	17.901	
Chrysene-d12	1521874	21.533	1153654	21.538	
Perylene-d12	1241470	23.211	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-06.D
Acq On : 5 Oct 2014 19:58
Operator : JLB
Sample : 1409422-06 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 06 10:00:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-06.D
Acq On : 5 Oct 2014 19:58
Operator : JLB
Sample : 1409422-06 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 06 10:00:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.660	152	464306	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.359	136	1656328	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.462	164	1040821	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.896	188	1687419	5.00	ng/uL	0.00
81) Chrysene-d12	21.533	240	1521874	5.00	ng/uL	# 0.00
89) Perylene-d12	23.211	264	1241470	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.504	112	1476477m	13.92	ng/uL	0.32
6) Phenol-d6	6.973	99	1242240	9.05	ng/uL	0.06
21) Nitrobenzene-d5	8.791	82	805080	7.60	ng/uL	0.00
23) Decafluorobiphenyl	9.007	334	596072	8.03	ng/uL	0.00
47) 2-Fluorobiphenyl	12.930	172	1860329	8.65	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.351	330	396468	15.49	ng/uL	-0.01
78) o-Terphenyl	18.659	230	1311066	9.06	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.155	74	683	0.01	ng/uL#	1
3) Pyridine	3.196	79	2362	0.02	ng/uL#	23
5) Aniline	6.996	93	211	0.22	ng/uL#	1
7) Phenol	6.996	94	1901	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.095	93	165	0.00	ng/uL#	21
9) 2-Chlorophenol	7.258	128	150	0.00	ng/uL#	1
10) 1,3-Dichlorobenzene	7.538	146	2935	0.02	ng/uL#	23
11) 1,4-Dichlorobenzene	7.690	146	1141	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.940	146	380	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.284	45	700	0.00	ng/uL#	68
14) Benzyl Alcohol	7.946	108	445	0.01	ng/uL#	1
15) 2-Methylphenol	7.981	108	257	0.00	ng/uL#	1
16) Acetophenone	8.500	105	1141	0.01	ng/uL#	72
17) Hexachloroethane	8.663	119	68	0.00	ng/uL#	3
18) 4-Methylphenol	8.523	108	155	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.226	70	3668	0.04	ng/uL	98
22) Nitrobenzene	8.785	77	2840	0.02	ng/uL#	1
24) Isophorone	9.048	82	751	0.00	ng/uL	93
25) 2-Chloroaniline	9.392	127	144	0.00	ng/uL#	47
26) 2-Nitrophenol	9.502	139	67	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.695	107	55	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	10.004	93	67	0.00	ng/uL	85
29) 2,4-Dichlorophenol	10.068	162	126	0.00	ng/uL#	1
30) Benzoic Acid	9.776	105	7812m	2.54	ng/uL	
31) 1,2,4-Trichlorobenzene	10.237	180	1095	0.01	ng/uL	99
32) Naphthalene	10.406	128	2556	0.01	ng/uL#	74
33) 4-Chloroaniline	10.901	127	1214	0.01	ng/uL#	73
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.338	55	7374	0.15	ng/uL#	69
37) 1,2-Bis(2-chloroethoxy)...	11.601	63	129	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.741	107	777	0.01	ng/uL#	1
39) 2-Methylnaphthalene	12.020	142	530	0.00	ng/uL#	1
40) 1-Methylnaphthalene	12.242	142	220	0.00	ng/uL#	1
41) 1,3 Dinitrobenzene	13.990	168	273	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-06.D
Acq On : 5 Oct 2014 19:58
Operator : JLB
Sample : 1409422-06 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 06 10:00:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43)	1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44)	Hexachlorocyclopentadiene	0.000		0	N.D.		
45)	2,4,6-Trichlorophenol	12.708	196	197	0.00	ng/uL#	7
46)	2,4,5-Trichlorophenol	12.807	196	419	0.01	ng/uL#	11
48)	2-Chloronaphthalene	13.151	162	744	0.00	ng/uL#	57
49)	1,1'-Biphenyl	13.151	154	1742	0.01	ng/uL#	48
50)	2-Nitroaniline	13.804	138	920	0.01	ng/uL	90
51)	Acenaphthylene	14.107	152	1208	0.00	ng/uL#	55
52)	2,6-Dinitrotoluene	14.060	165	1323	0.02	ng/uL#	42
53)	Dimethyl Phthalate	13.944	163	7706	0.03	ng/uL#	85
54)	3-Nitroaniline	14.445	138	1247	0.03	ng/uL#	1
55)	Acenaphthene	14.562	153	377	0.00	ng/uL#	21
56)	2,4-Dinitrophenol	14.696	184	58	~~2.84~~	ng/uL#	1
57)	Dibenzofuran	14.876	168	284	0.00	ng/uL	93
58)	4-Nitrophenol	14.952	65	638	0.02	ng/uL	97
59)	2,4-Dinitrotoluene	14.999	165	396	0.01	ng/uL#	50
60)	2,3,5,6-Tetrachlorophenol	15.203	232	57	0.00	ng/uL#	1
61)	2,3,4,6-Tetrachlorophenol	15.255	232	53	0.00	ng/uL#	1
62)	Fluorene	15.786	166	597	0.00	ng/uL#	1
63)	Diethyl Phthalate	15.663	149	10821	0.05	ng/uL#	90
64)	4-Chlorophenyl Phenyl ...	15.867	204	117	0.00	ng/uL#	1
65)	4-Nitroaniline	15.873	138	2649	0.08	ng/uL#	78
67)	4,6-Dinitro-2-methylph...	16.211	198	138	RJ ~~0.99~~	ng/uL#	1
68)	N-Nitroso-diphenylamine	16.205	169	1359	0.01	ng/uL#	49
69)	1,2-Diphenylhydrazine	16.322	182	1978	0.03	ng/uL	88
71)	4-Bromophenyl Phenyl E...	17.167	248	78	0.00	ng/uL	83
72)	Hexachlorobenzene	0.000		0	N.D.		
73)	Atrazine	17.523	200	77	0.00	ng/uL#	1
74)	Pentachlorophenol	17.540	266	1505	0.04	ng/uL#	1
75)	Phenanthrene	17.936	178	3991	0.01	ng/uL	100
76)	Anthracene	18.024	178	1582	0.01	ng/uL#	9
77)	Carbazole	18.362	167	384	0.00	ng/uL#	1
79)	Di-n-butyl Phthalate	19.038	149	51891	0.16	ng/uL#	95
80)	Fluoranthene	19.813	202	1193	0.00	ng/uL	95
82)	Pyrene	20.105	202	2135	0.01	ng/uL#	1
83)	Butyl Benzyl Phthalate	20.944	149	4417	0.03	ng/uL	85
84)	Bis(2-ethylhexyl) adipate	21.037	129	4194	0.10	ng/uL#	100
85)	Benzo(a)anthracene	21.533	228	4675	0.02	ng/uL#	1
86)	Chrysene	21.626	228	202	0.00	ng/uL#	1
87)	Bis(2-ethylhexyl)phtha...	21.568	149	328224	1.80	ng/uL	90
88)	Di-n-octyl Phthalate	22.261	149	117988	PP ~~0.69~~	ng/uL#	75
90)	Benzo(b)fluoroanthene	22.727	252	1516	0.01	ng/uL#	1
91)	Benzo(k)fluoranthene	22.757	252	999	0.00	ng/uL#	58
92)	Benzo(a)pyrene	23.130	252	1541	0.01	ng/uL	96
93)	Indeno(1,2,3-cd)pyrene	25.345	276	2158	0.01	ng/uL#	73
94)	Dibdenz(a,h)anthracene	24.884	278	1610	0.01	ng/uL#	68
95)	Benzo(g,h,i)Perylene	25.345	276	2158	0.01	ng/uL#	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-06.D
Acq On : 5 Oct 2014 19:58
Operator : JLB
Sample : 1409422-06 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 06 09:26:17 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

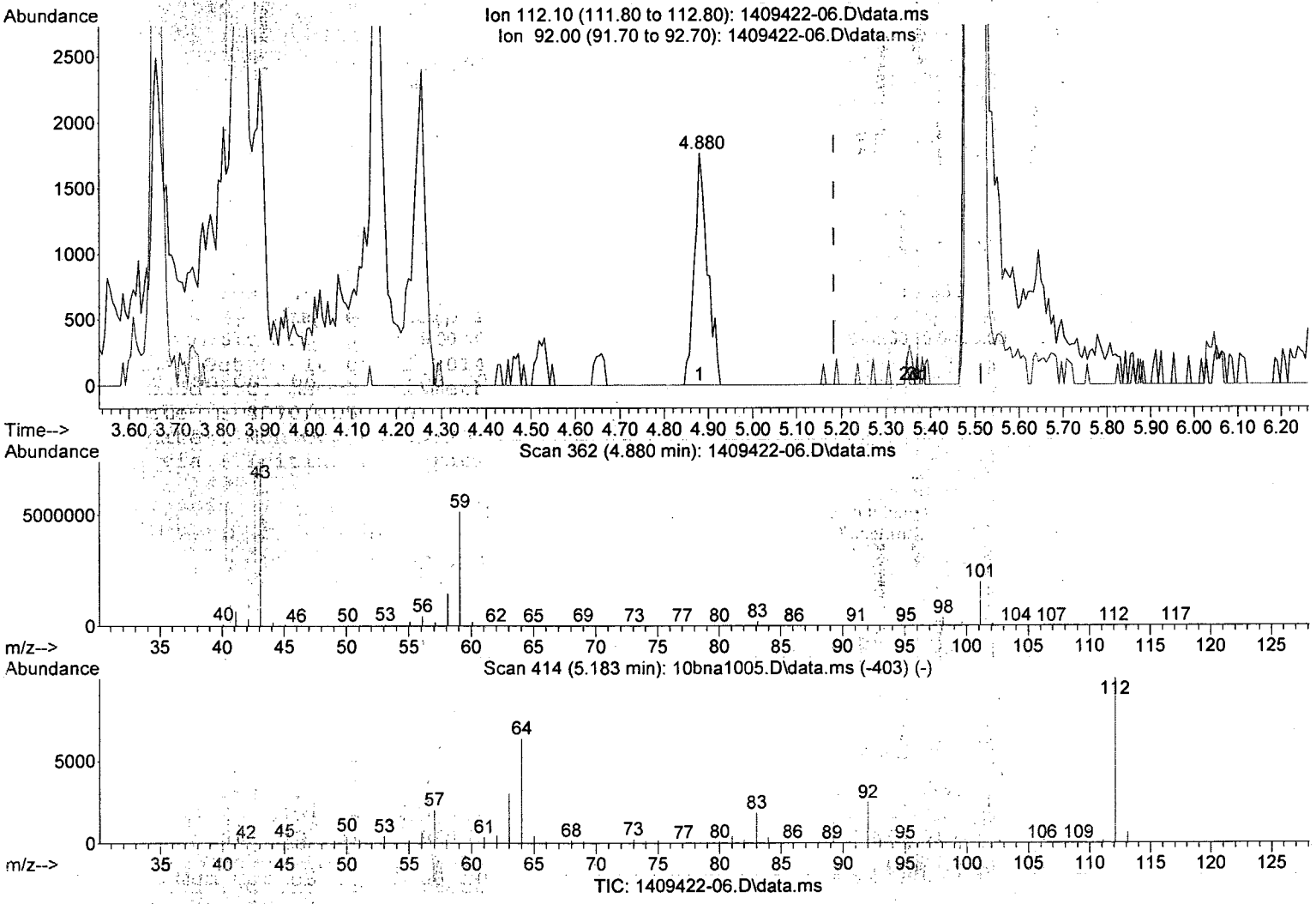
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.660	152	456700	5.00	ng/uL	#	0.05
8) Naphthalene-d8	10.359	136	1656328	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.462	164	1037205	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.896	188	1687419	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	1521874	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1266639	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.155	74	683	0.01	ng/uL	#	1
3) Pyridine	2.986	79	248	0.00	ng/uL		93
4) Aniline	6.996	93	211	0.00	ng/uL	#	1
5) Benzaldehyde	6.775	105	839	0.01	ng/uL	#	1
6) Acetophenone	8.500	105	1141	0.01	ng/uL	#	75
7) N-Nitroso-di-n-propyla...	8.395	70	457	0.01	ng/uL		90
9) 4-Chloroaniline	10.627	127	527	0.01	ng/uL		90
10) Caprolactam	11.338	55	6865	0.22	ng/uL	#	74
12) 1,1'-Biphenyl	13.151	154	1742	0.01	ng/uL	#	48
13) 2-Nitroaniline	13.804	138	920	0.02	ng/uL		90
14) 3-Nitroaniline	14.445	138	1247	Below Cal		#	1
15) 4-Nitroaniline	15.856	138	230	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.205	169	1359	0.01	ng/uL	#	49
18) Atrazine	17.447	200	108	Below Cal		#	1
20) Benzidine	20.040	184	207	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.084	252	209	0.00	ng/uL		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-06.D
Acq On : 5 Oct 2014 19:58
Operator : JLB
Sample : 1409422-06 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 06 10:00:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-06.D\data.ms

(4) 2-Fluorophenol (S)

4.880min (-0.303) 0.03 ng/uL

response 3638

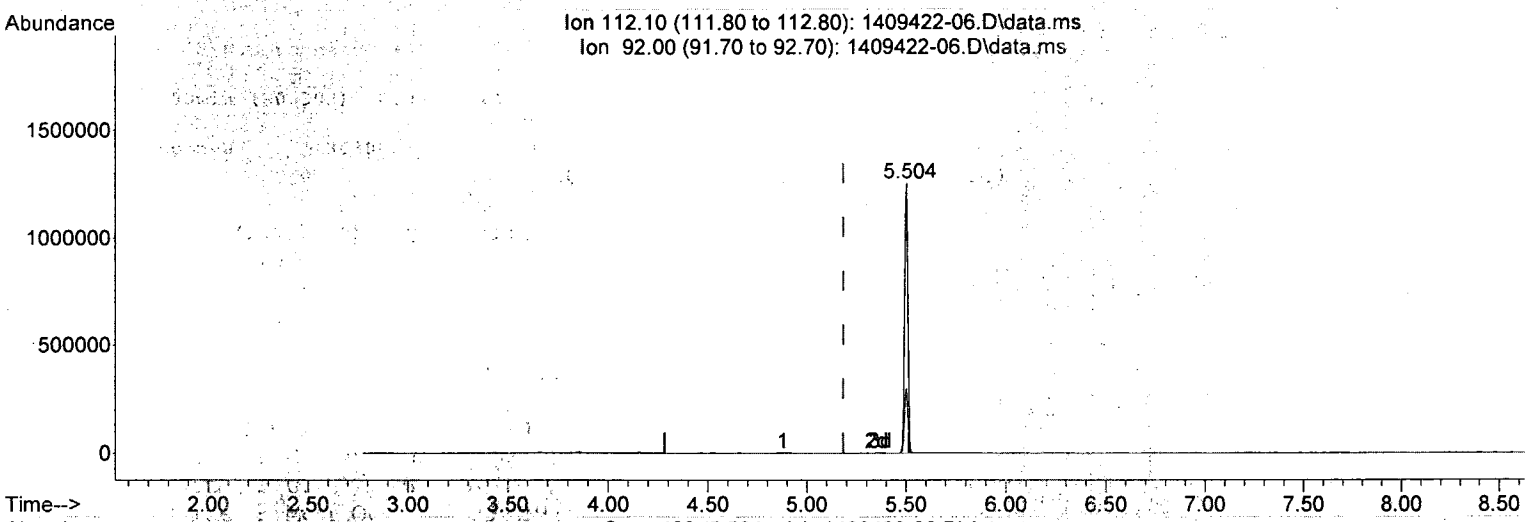
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

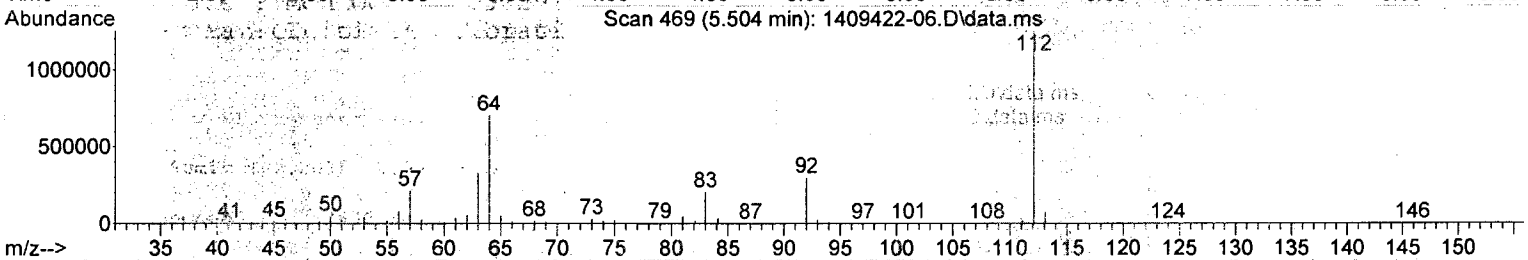
JWS 10/7/14

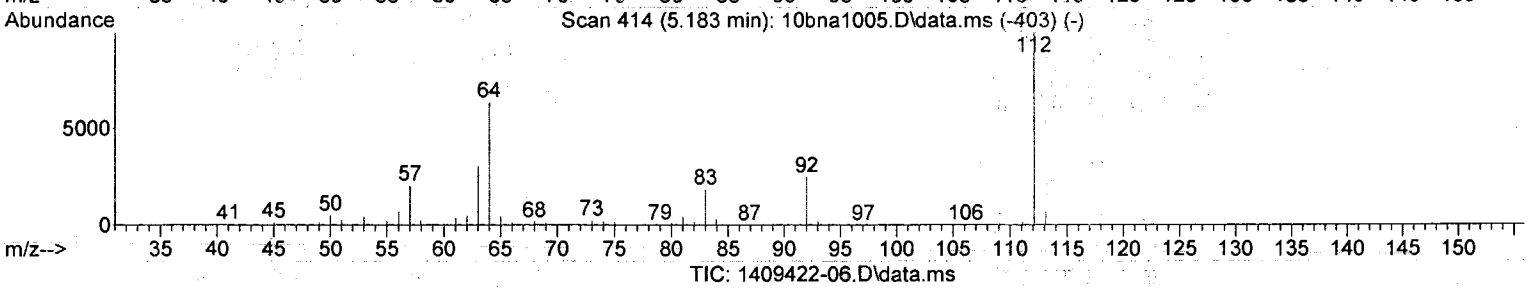
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-06.D
Acq On : 5 Oct 2014 19:58
Operator : JLB
Sample : 1409422-06 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 06 10:00:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-06.D\data.ms

(4) 2-Fluorophenol (S)

5.504min (+ 0.321) 13.92 ng/uL m

response 1476477

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/7/14

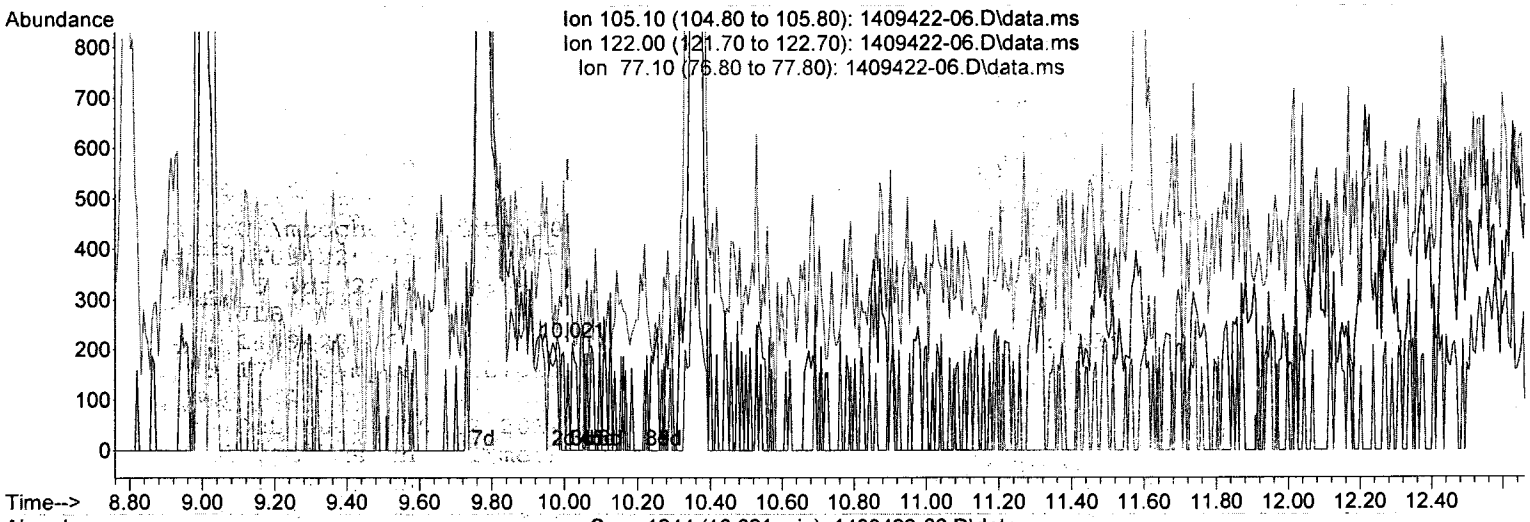
Reviewed By: ASC Date: 10/9/14

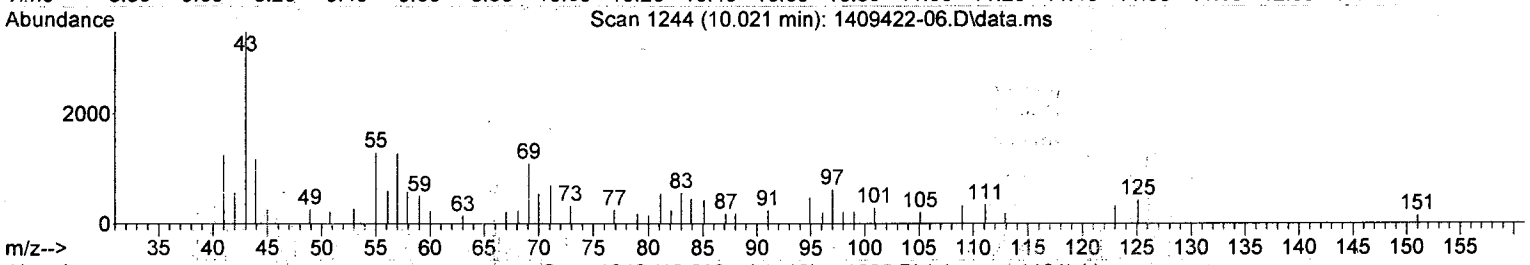
002180

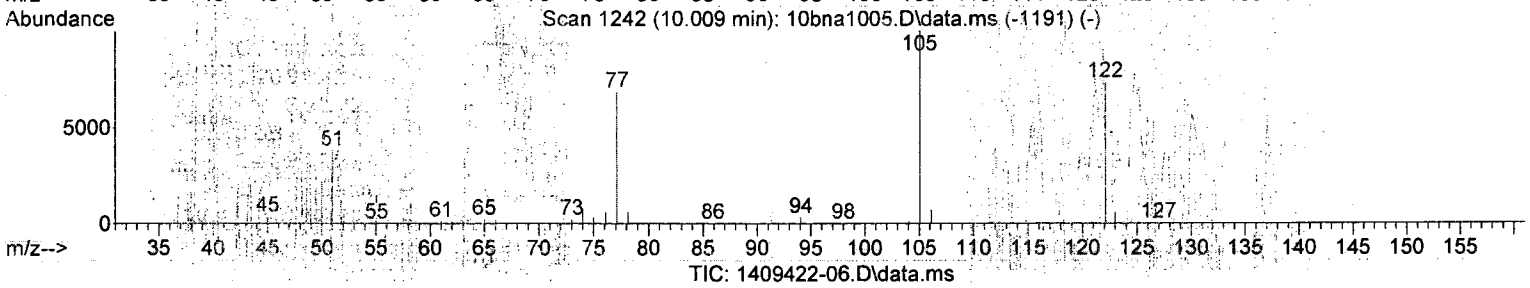
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-06.D
Acq On : 5 Oct 2014 19:58
Operator : JLB
Sample : 1409422-06 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 06 10:00:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-06.D\data.ms

(30) Benzoic Acid

10.021min (+ 0.012) 2.46 ng/uL

response 256

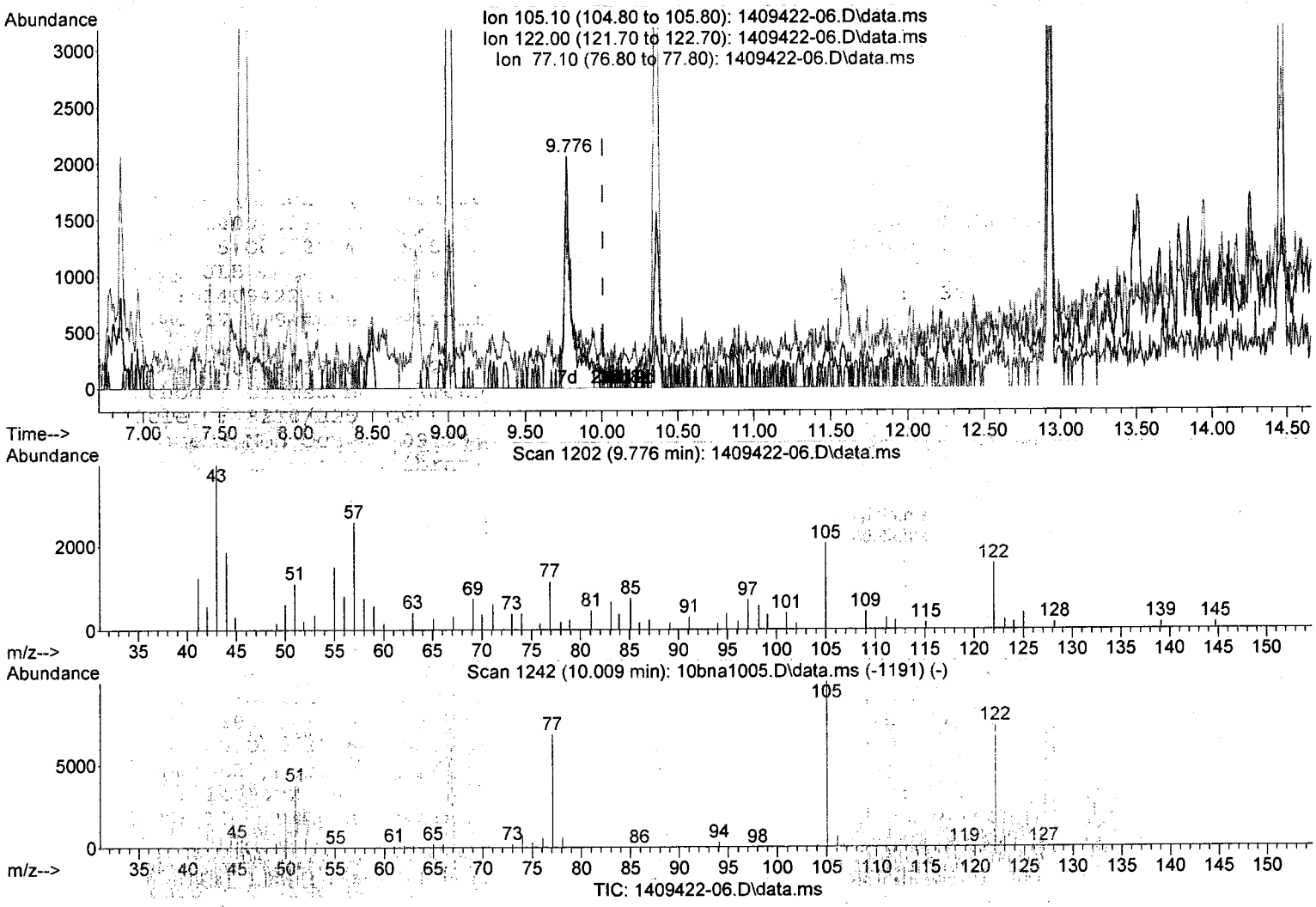
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

JLB 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-06.D
Acq On : 5 Oct 2014 19:58
Operator : JLB
Sample : 1409422-06 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 06 10:00:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.776min (-0.233) 2.54 ng/uL m

response 7812

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

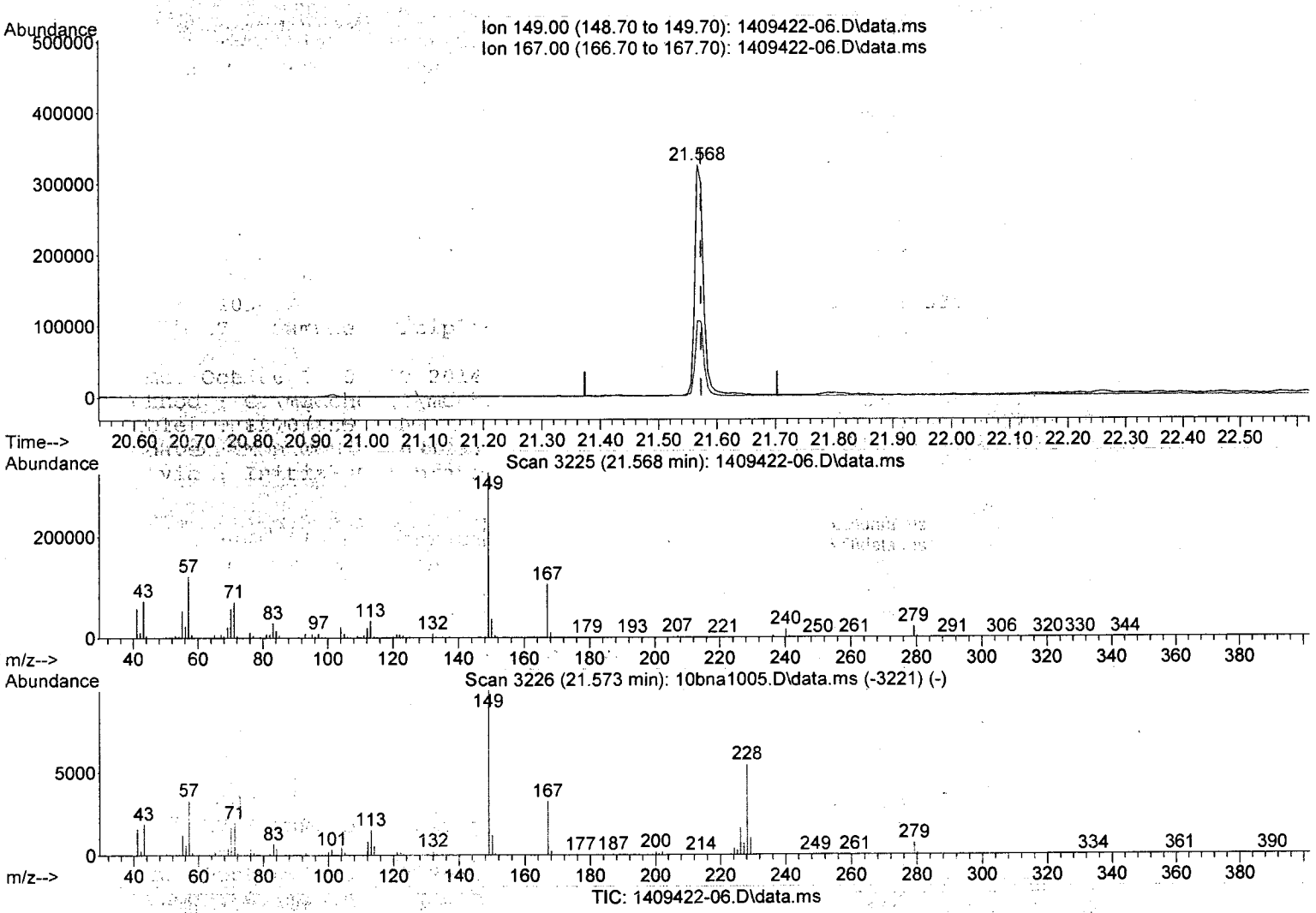
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/7/14
Reviewed By: ASL Date: 10/9/14

002182

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-06.D
Acq On : 5 Oct 2014 19:58
Operator : JLB
Sample : 1409422-06 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 06 10:00:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-06.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.568min (-0.006) 1.80 ng/uL

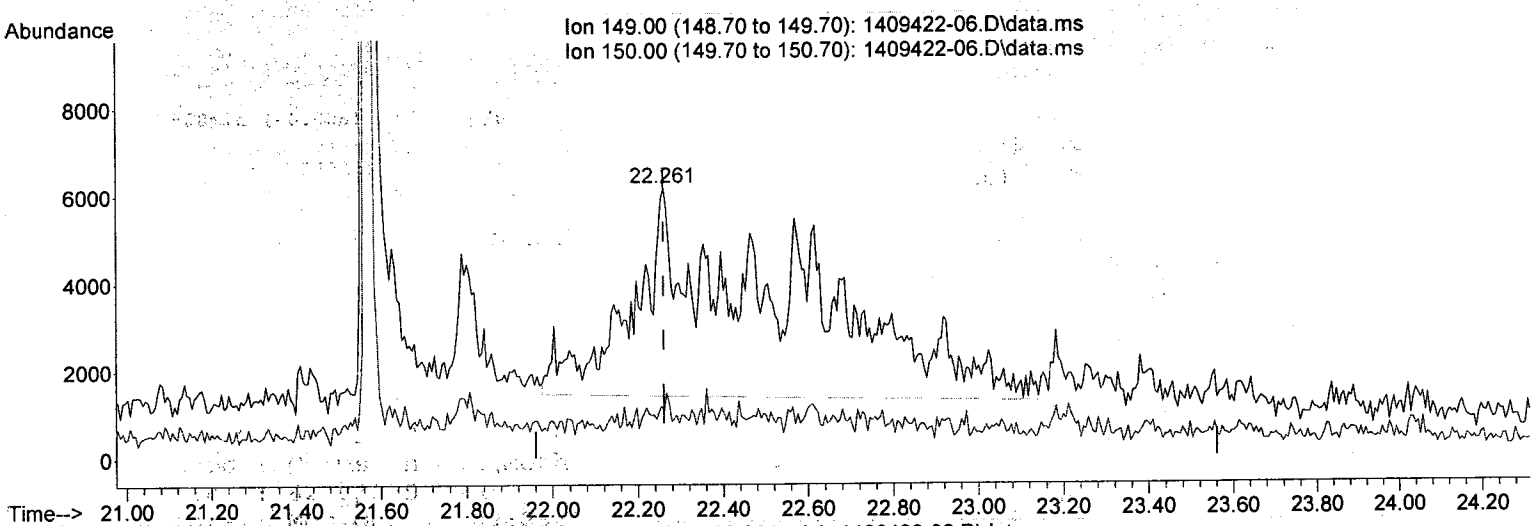
response 328224

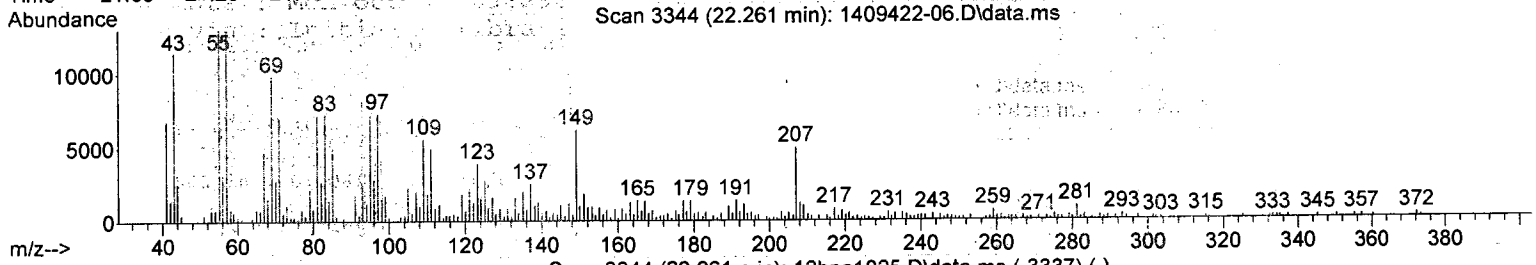
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.29
0.00	0.00	0.00
0.00	0.00	0.00

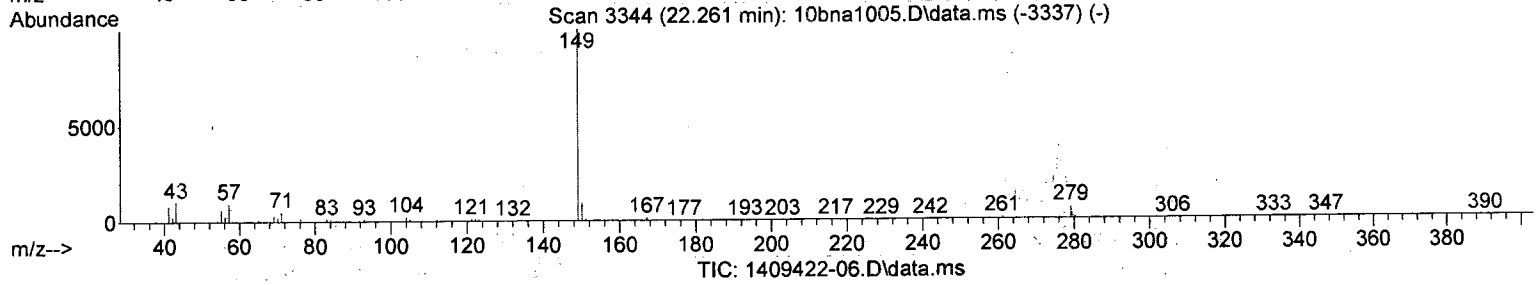
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-06.D
Acq On : 5 Oct 2014 19:58
Operator : JLB
Sample : 1409422-06 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 06 10:00:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-06.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.261min (+ 0.000) 0.69 ng/uL

response 117988

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.53#
0.00	0.00	0.00
0.00	0.00	0.00

pf

002184

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-07 File ID: 1409422-07.D

Sampled: 09/23/14 10:00 Prepared: 09/30/14 07:32 Analyzed: 10/05/14 20:30

Solids: 95.97 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410423 Sequence: 4J06022 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.2	17	17	U
56-55-3	Benzo(a)anthracene	1	8.7	2.9	8.7	17	U
50-32-8	Benzo(a)pyrene	1	8.7	2.4	8.7	17	U
205-99-2	Benzo(b)fluoranthene	1	8.7	2.0	8.7	17	U
207-08-9	Benzo(k)fluoranthene	1	8.7	2.0	8.7	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.7	2.0	8.7	35	U
65-85-0	Benzoic Acid	1	91	72	170	350	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.2	17	35	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.7	3.8	8.7	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	4.0	17	17	U
218-01-9	Chrysene	1	17	4.1	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.7	2.0	8.7	35	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	35	14	35	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	870	U
120-83-2	2,4-Dichlorophenol	1	17	4.3	17	35	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.7	4.2	8.7	17	U
121-14-2	2,4-Dinitrotoluene	1	8.7	3.4	8.7	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-07
File ID: 1409422-07.D
Sampled: 09/23/14 10:00
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 20:30
Solids: 95.97
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.7	3.5	8.7	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	81	12	17	35	B
206-44-0	Fluoranthene	1	17	4.7	17	17	U
86-73-7	Fluorene	1	17	4.2	17	35	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.8	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.7	2.8	8.7	35	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.8	17	17	U
108-39-4	3+4-Methylphenol	1	8.7	3.8	8.7	17	U
95-48-7	2-Methylphenol	1	8.7	3.7	8.7	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	70	26	70	340	U
88-74-4	2-Nitroaniline	1	8.7	3.7	8.7	17	U
99-09-2	3-Nitroaniline	1	35	17	35	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.7	17	17	U
100-02-7	4-Nitrophenol	1	350	110	350	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.7	3.6	8.7	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.3	17	17	U
108-95-2	Phenol	1	17	4.1	17	170	U
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.7	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.7	2.6	8.7	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	726	169	23	33 - 113	*
Phenol-d6	726	268	37	30 - 115	
Nitrobenzene-d5	363	322	89	33 - 131	
2-Fluorobiphenyl	363	329	91	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-07
File ID: 1409422-07.D
Sampled: 09/23/14 10:00
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 20:30
Solids: 95.97
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	726	578	80	12 - 124	
o-Terphenyl	363	339	93	20 - 155	

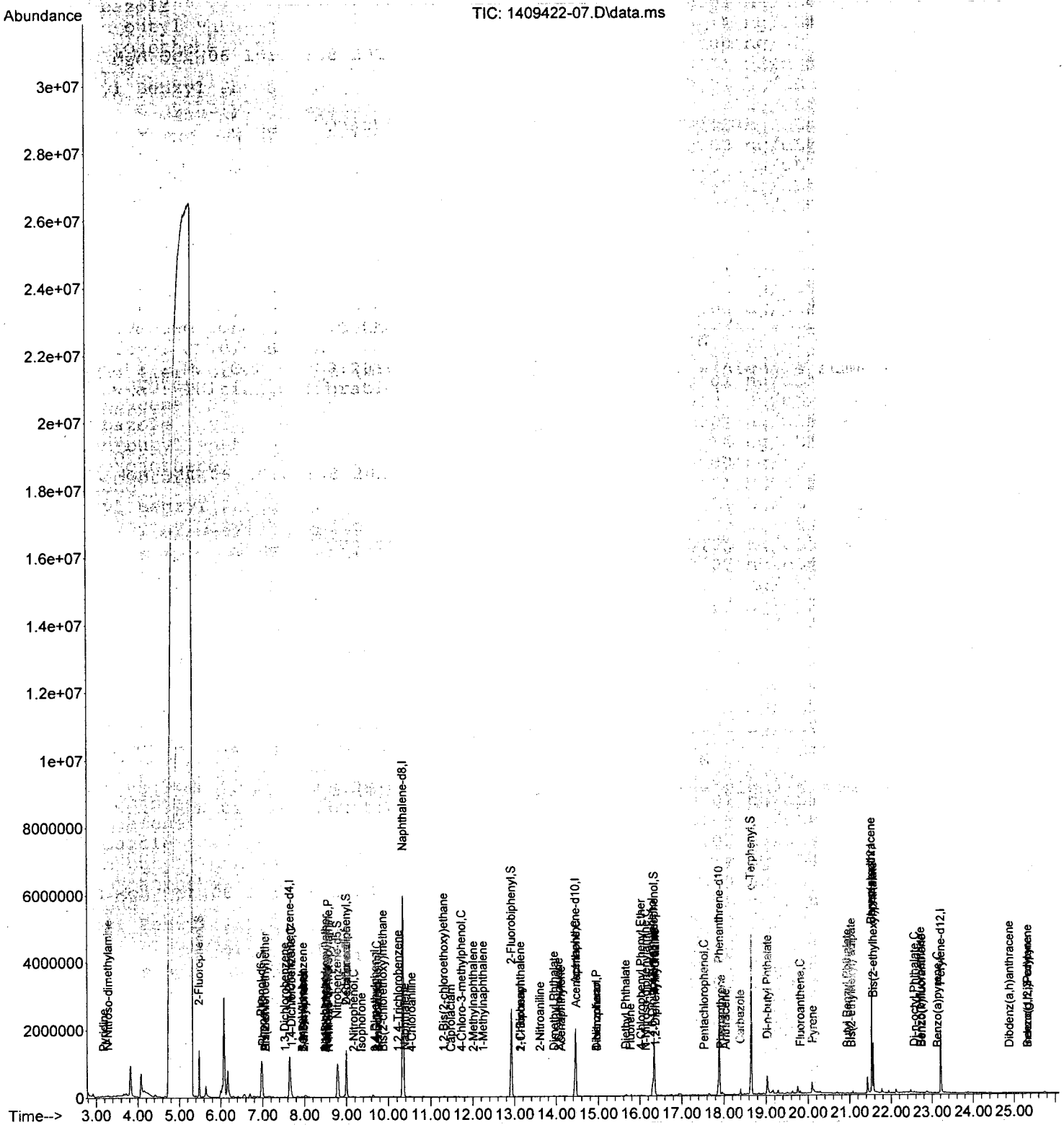
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	454722	7.649	403279	7.614	
Naphthalene-d8	1687932	10.347	1529030	10.359	
Acenaphthene-d10	1065195	14.462	866604	14.474	
Phenanthrene-d10	1775375	17.896	1400442	17.901	
Chrysene-d12	1512019	21.533	1153654	21.538	
Perylene-d12	1081176	23.211	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-07.D
Acq On : 5 Oct 2014 20:30
Operator : JLB
Sample : 1409422-07 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 06 10:02:35 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-07.D
Acq On : 5 Oct 2014 20:30
Operator : JLB
Sample : 1409422-07 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 06 10:02:35 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	454722	5.00	ng/uL	# 0.04
20) Naphthalene-d8	10.347	136	1687932	5.00	ng/uL	-0.01
42) Acenaphthene-d10	14.462	164	1065195	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.896	188	1775375	5.00	ng/uL	0.00
81) Chrysene-d12	21.533	240	1512019	5.00	ng/uL	# 0.00
89) Perylene-d12	23.211	264	1081176	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.481	112	482812m	4.65	ng/uL	0.30
6) Phenol-d6	6.973	99	994258	7.39	ng/uL	0.06
21) Nitrobenzene-d5	8.785	82	957372	8.87	ng/uL	0.00
23) Decafluorobiphenyl	9.001	334	702673	9.29	ng/uL	0.00
47) 2-Fluorobiphenyl	12.930	172	1993304	9.06	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.351	330	428825	15.92	ng/uL	-0.01
78) o-Terphenyl	18.659	230	1419636	9.33	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.289	74	422	0.01	ng/uL	89
3) Pyridine	3.184	79	755	0.01	ng/uL#	77
5) Aniline	7.060	93	603	0.23	ng/uL#	1
7) Phenol	7.008	94	939	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.060	93	603	0.00	ng/uL#	58
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.532	146	2552	0.02	ng/uL#	48
11) 1,4-Dichlorobenzene	7.690	146	923	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.969	146	2419	0.02	ng/uL#	12
13) Bis(2-chloroisipropyl)...	8.511	45	1160	0.01	ng/uL	96
14) Benzyl Alcohol	7.952	108	177	0.00	ng/uL#	1
15) 2-Methylphenol	7.987	108	240	0.00	ng/uL#	1
16) Acetophenone	8.488	105	1337	0.01	ng/uL#	83
17) Hexachloroethane	8.546	119	63	0.00	ng/uL#	3
18) 4-Methylphenol	8.517	108	58	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.576	70	1055	0.01	ng/uL	93
22) Nitrobenzene	8.785	77	3673	0.03	ng/uL#	1
24) Isophorone	9.362	82	1459	0.01	ng/uL#	75
25) 2-Chloroaniline	9.001	127	8657	0.06	ng/uL#	57
26) 2-Nitrophenol	9.176	139	66	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.689	107	53	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.875	93	58	0.00	ng/uL#	61
29) 2,4-Dichlorophenol	9.735	162	136	0.00	ng/uL#	9
30) Benzoic Acid	9.753	105	4761m	2.51	ng/uL	
31) 1,2,4-Trichlorobenzene	10.231	180	1133	0.01	ng/uL	86
32) Naphthalene	10.388	128	2213	0.01	ng/uL#	74
33) 4-Chloroaniline	10.546	127	477	0.01	ng/uL#	66
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.478	55	137	0.00	ng/uL#	1
37) 1,2-Bis(2-chloroethoxy...	11.309	63	118	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.735	107	258	0.00	ng/uL#	14
39) 2-Methylnaphthalene	12.014	142	325	0.00	ng/uL#	73
40) 1-Methylnaphthalene	12.242	142	129	0.00	ng/uL#	43
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-07.D
Acq On : 5 Oct 2014 20:30
Operator : JLB
Sample : 1409422-07 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 06 10:02:35 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.145	162	512	0.00	ng/uL	91
49) 1,1'-Biphenyl	13.145	154	1081	0.00	ng/uL#	40
50) 2-Nitroaniline	13.611	138	150	0.00	ng/uL#	35
51) Acenaphthylene	14.119	152	218	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.060	165	586	0.01	ng/uL#	25
53) Dimethyl Phthalate	13.950	163	6672	0.03	ng/uL	94
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.474	153	55	0.00	ng/uL#	61
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.964	168	62	0.00	ng/uL#	1
58) 4-Nitrophenol	14.964	65	225	0.01	ng/uL	88
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.774	166	138	0.00	ng/uL#	1
63) Diethyl Phthalate	15.663	149	10847	0.05	ng/uL	99
64) 4-Chlorophenyl Phenyl ...	16.036	204	656	0.01	ng/uL#	22
65) 4-Nitroaniline	16.345	138	130	0.00	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.310	198	140	0.99	ng/uL#	1
68) N-Nitroso-diphenylamine	16.147	169	116	0.00	ng/uL#	26
69) 1,2-Diphenylhydrazine	16.374	182	116	0.00	ng/uL	98
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	17.534	266	495	0.01	ng/uL#	1
75) Phenanthrene	17.936	178	2463	0.01	ng/uL#	63
76) Anthr...	18.041	178	666	0.00	ng/uL#	74
77) Carb...	18.397	167	4174	0.01	ng/uL#	83
79) Di-n-... phthalate	19.038	149	49214	0.13	ng/uL#	94
80) Fluor...	19.819	202	1625	0.00	ng/uL	94
82) Pyren...	20.110	202	1939	0.01	ng/uL#	1
83) But... phthalate	20.944	149	5003	0.04	ng/uL	97
84) Bis(2-... hexyl) adipate	21.043	129	2779	0.09	ng/uL#	100
85) Benzo(a)anthracene	21.533	228	4695	0.02	ng/uL#	1
86) Chrysene	21.533	228	4695	0.02	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.568	149	404603	2.23	ng/uL	91
88) Di-n-octyl Phthalate	22.570	149	93505	0.62	ng/uL#	76
90) Benzo(b)fluoroanthene	22.722	252	925	0.00	ng/uL#	50
91) Benzo(k)fluoranthene	22.751	252	1164	0.01	ng/uL#	54
92) Benzo(a)pyrene	23.135	252	1074	0.01	ng/uL#	1
93) Indeno(1,2,3-cd)pyrene	25.333	276	1348	0.01	ng/uL#	69
94) Dibdenz(a,h)anthracene	24.884	278	1064	0.01	ng/uL#	76
95) Benzo(g,h,i)Perylene	25.333	276	1348	0.01	ng/uL#	65

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-07.D
Acq On : 5 Oct 2014 20:30
Operator : JLB
Sample : 1409422-07 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 06 09:26:41 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

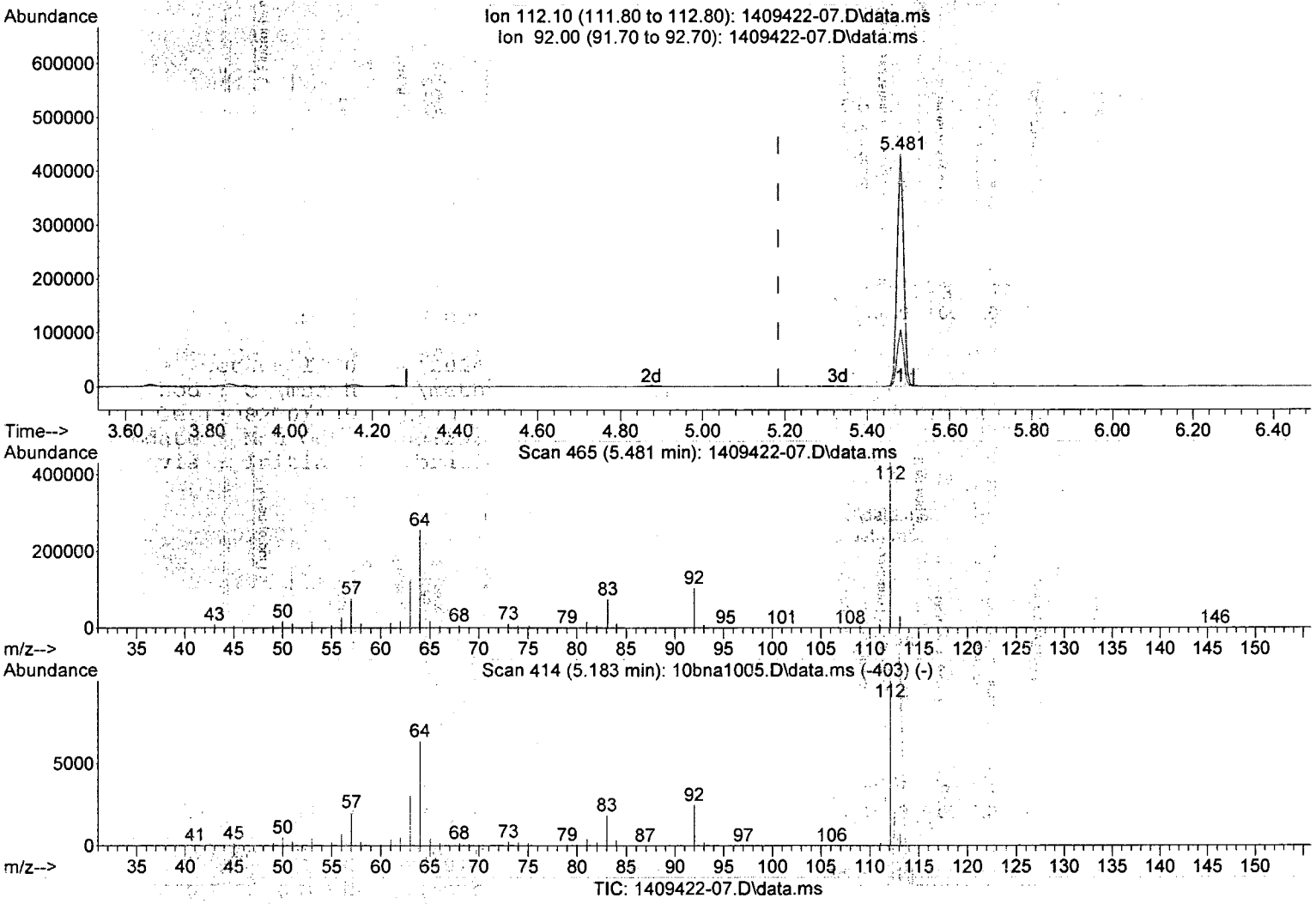
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.649	152	442470	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.347	136	1687932	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.462	164	1064217	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.896	188	1776466	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	1512019	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1098729	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.289	74	422	0.01	ng/uL		99
3) Pyridine	3.184	79	755	0.01	ng/uL#		77
4) Aniline	7.060	93	603	0.00	ng/uL#		1
5) Benzaldehyde	6.780	105	871	0.01	ng/uL#		1
6) Acetophenone	8.488	105	1337	0.01	ng/uL#		83
7) N-Nitroso-di-n-propyla...	8.576	70	1055	0.01	ng/uL		88
9) 4-Chloroaniline	10.546	127	477	0.01	ng/uL#		66
10) Caprolactam	11.321	55	4716	0.18	ng/uL#		53
12) 1,1'-Biphenyl	13.145	154	1081	0.00	ng/uL#		40
13) 2-Nitroaniline	13.611	138	150	0.01	ng/uL#		35
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	16.030	138	52	Below Cal	#		1
17) N-Nitroso-diphenylamine	16.147	169	116	0.00	ng/uL#		26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.192	184	112	0.41	ng/uL#		1
21) 3,3'-Dichlorobenzidine	21.515	252	302	0.00	ng/uL#		19

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-07.D
Acq On : 5 Oct 2014 20:30
Operator : JLB
Sample : 1409422-07 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 06 10:01:54 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-07.D\data.ms

(4) 2-Fluorophenol (S)

5.481min (+ 0.297) 4.50 ng/uL

response 467942

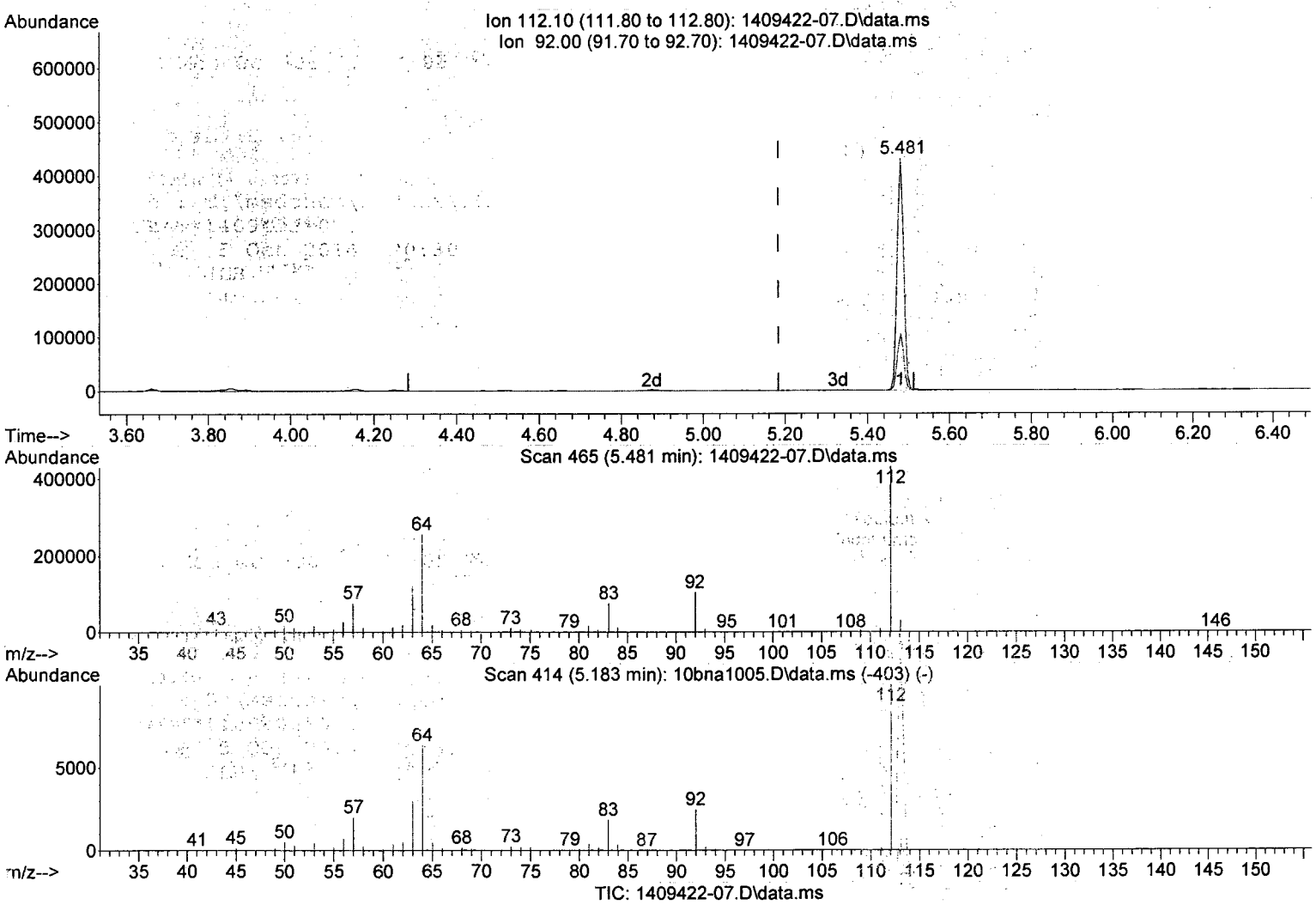
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	24.28
0.00	0.00	0.00
0.00	0.00	0.00

JWB 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-07.D
Acq On : 5 Oct 2014 20:30
Operator : JLB
Sample : 1409422-07 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 06 10:01:54 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(4) 2-Fluorophenol (S)

5.481min (+ 0.297) 4.65 ng/uL m

response 482812

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	23.53
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10-7-14

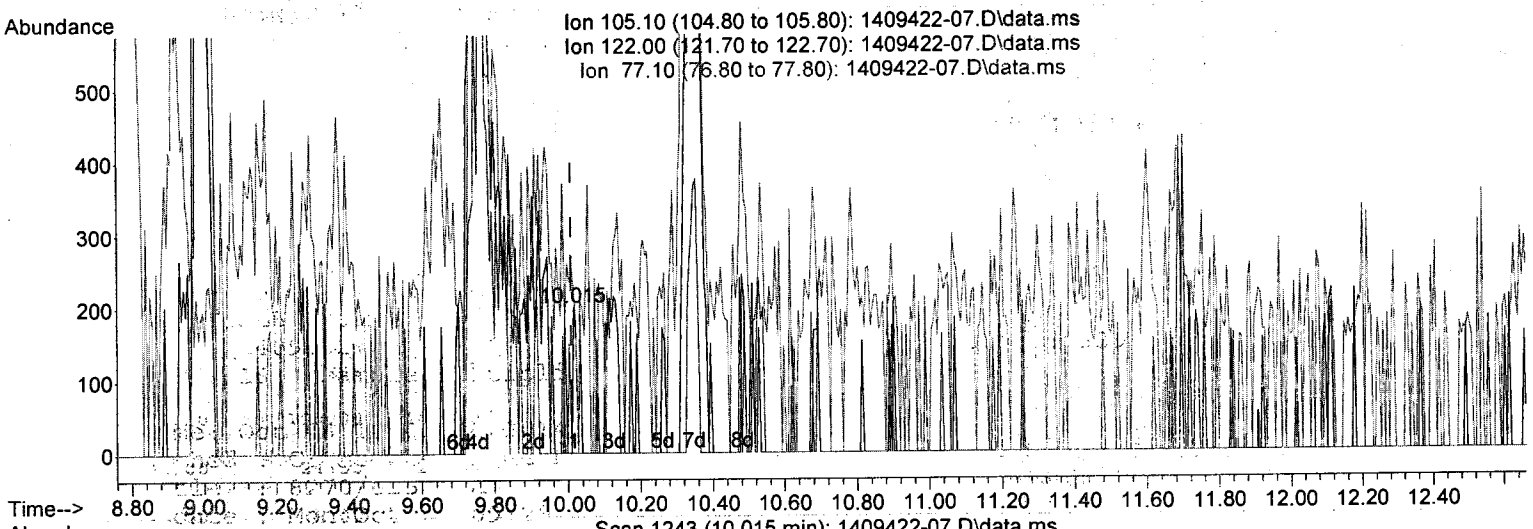
Reviewed By: AC-C Date: 10/9/14

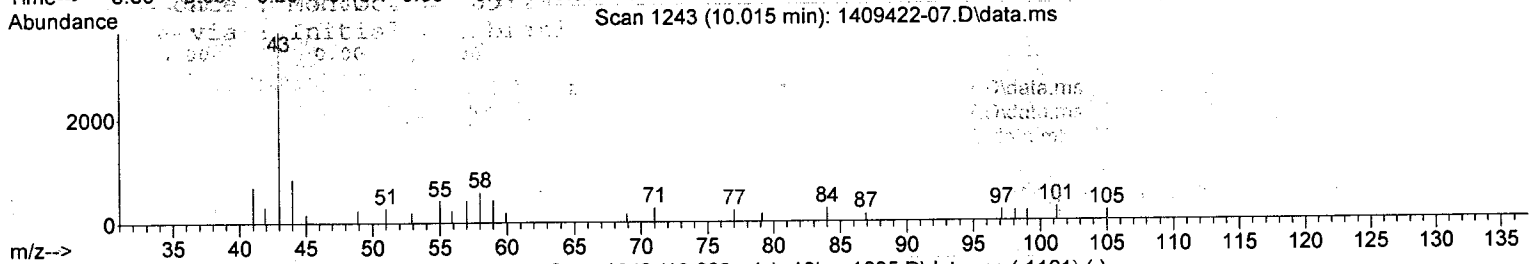
002193

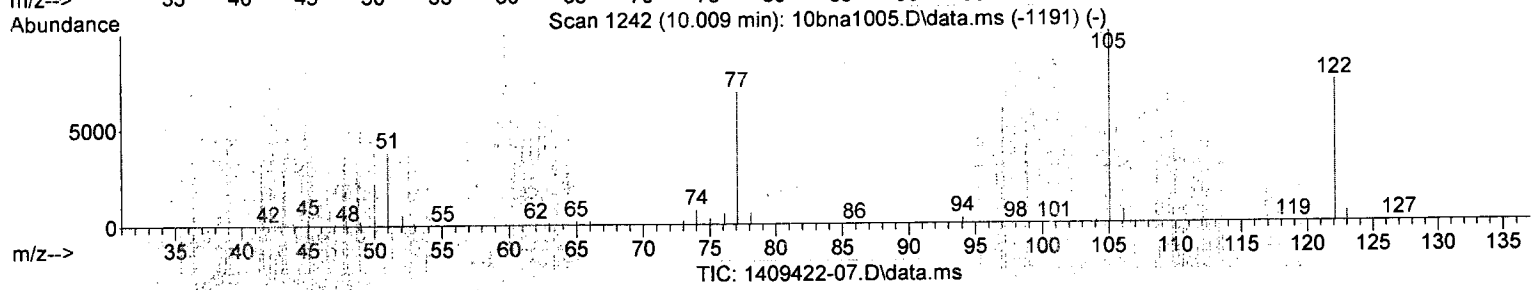
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-07.D
Acq On : 5 Oct 2014 20:30
Operator : JLB
Sample : 1409422-07 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 06 10:01:54 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-07.D\data.ms

(30) Benzoic Acid

10.015min (+ 0.006) 2.46 ng/uL

response 196

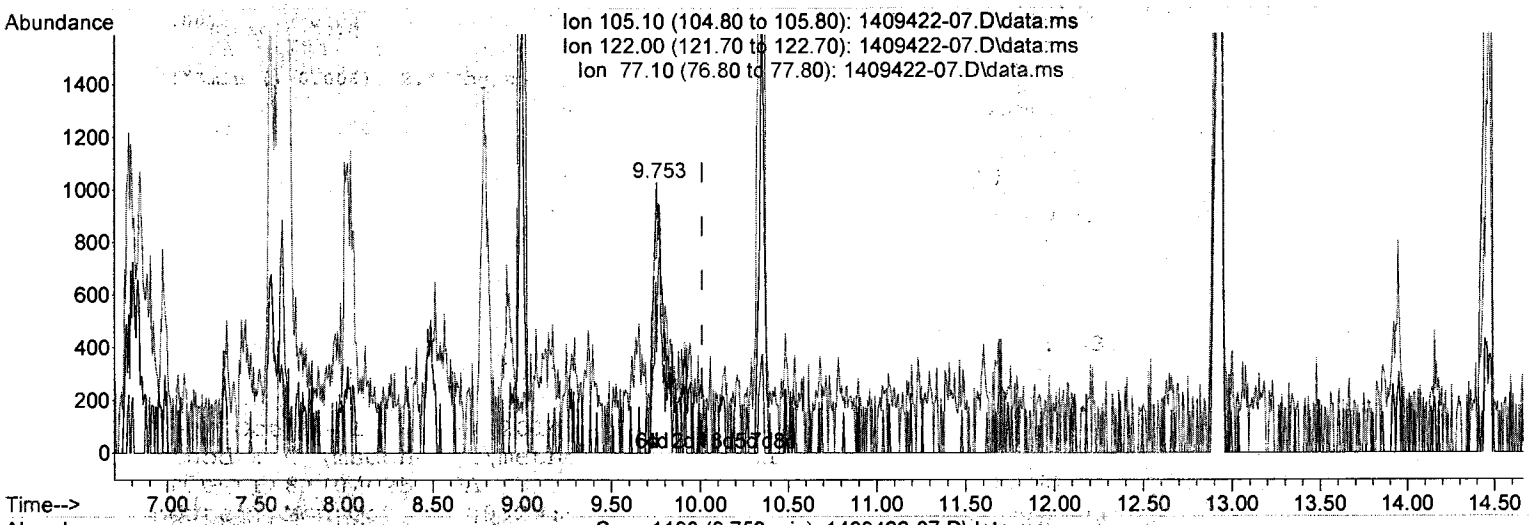
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	214.80#
0.00	0.00	0.00

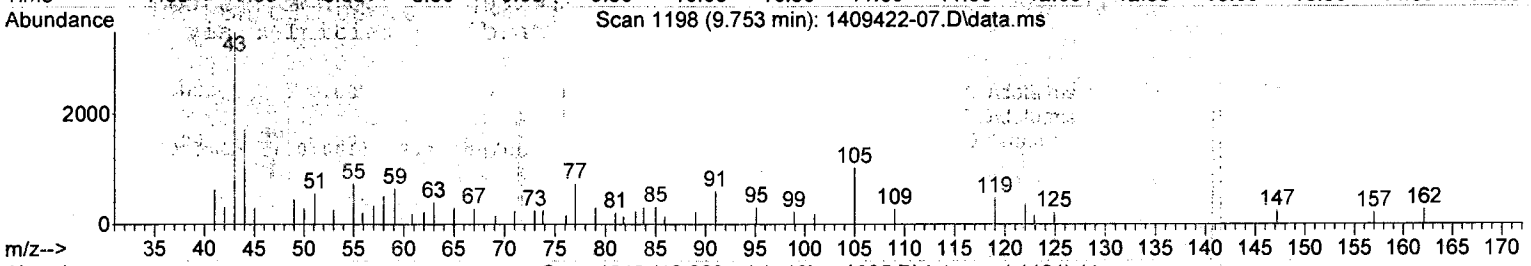
JWS 10/7/14

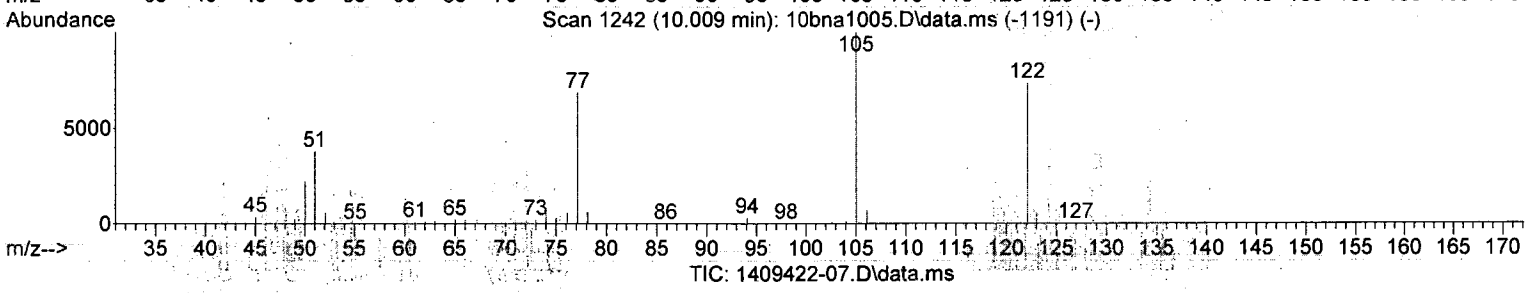
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-07.D
Acq On : 5 Oct 2014 20:30
Operator : JLB
Sample : 1409422-07 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 06 10:01:54 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-07.D\data.ms

(30) Benzoic Acid

9.753min (-0.256) 2.51 ng/uL m

response 4761

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	8.84#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

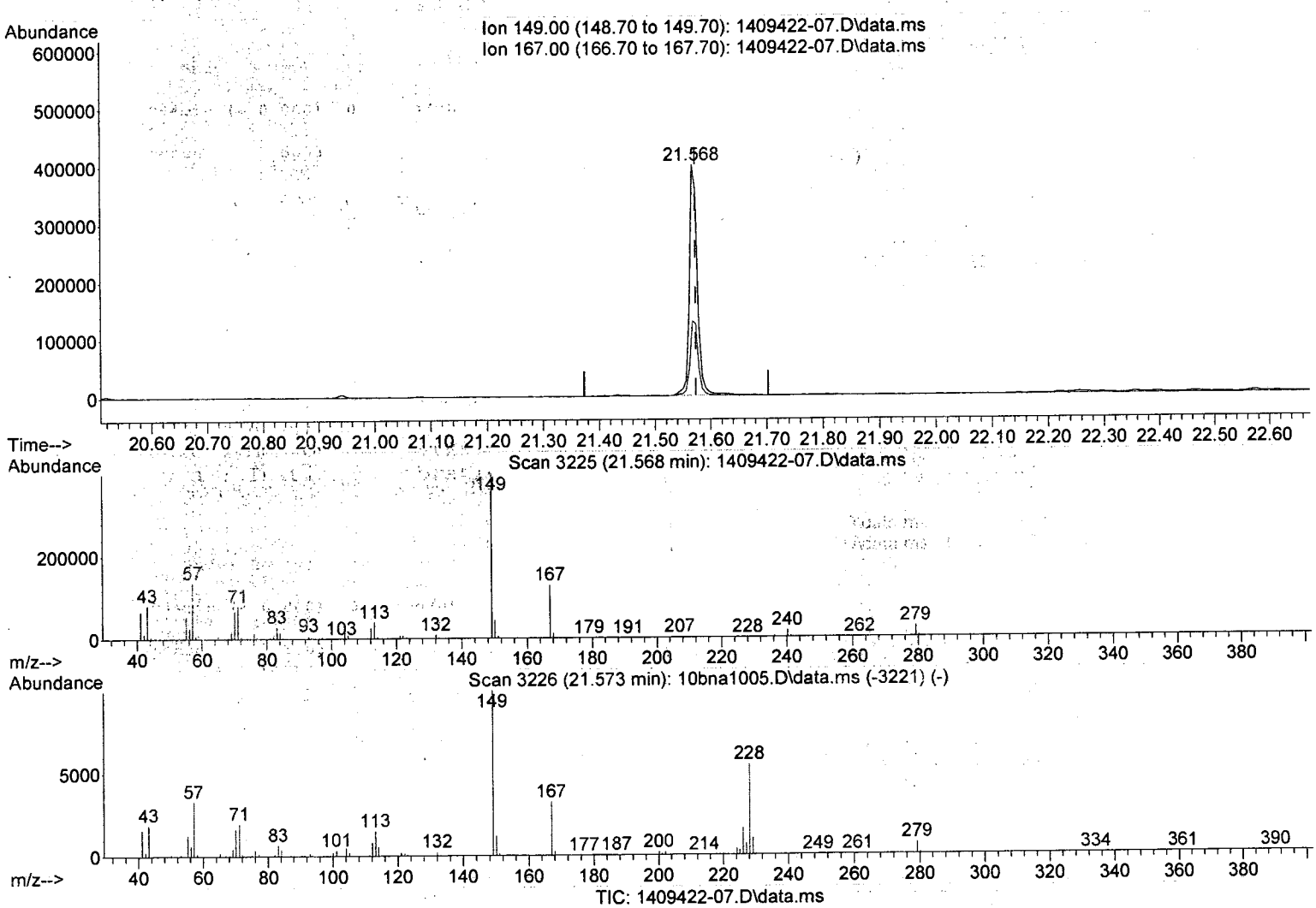
Analyst: JLB Date: 10/7/14

Reviewed By: ASC Date: 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-07.D
Acq On : 5 Oct 2014 20:30
Operator : JLB
Sample : 1409422-07 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 06 10:01:54 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-07.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.568min (-0.006) 2.23 ng/uL

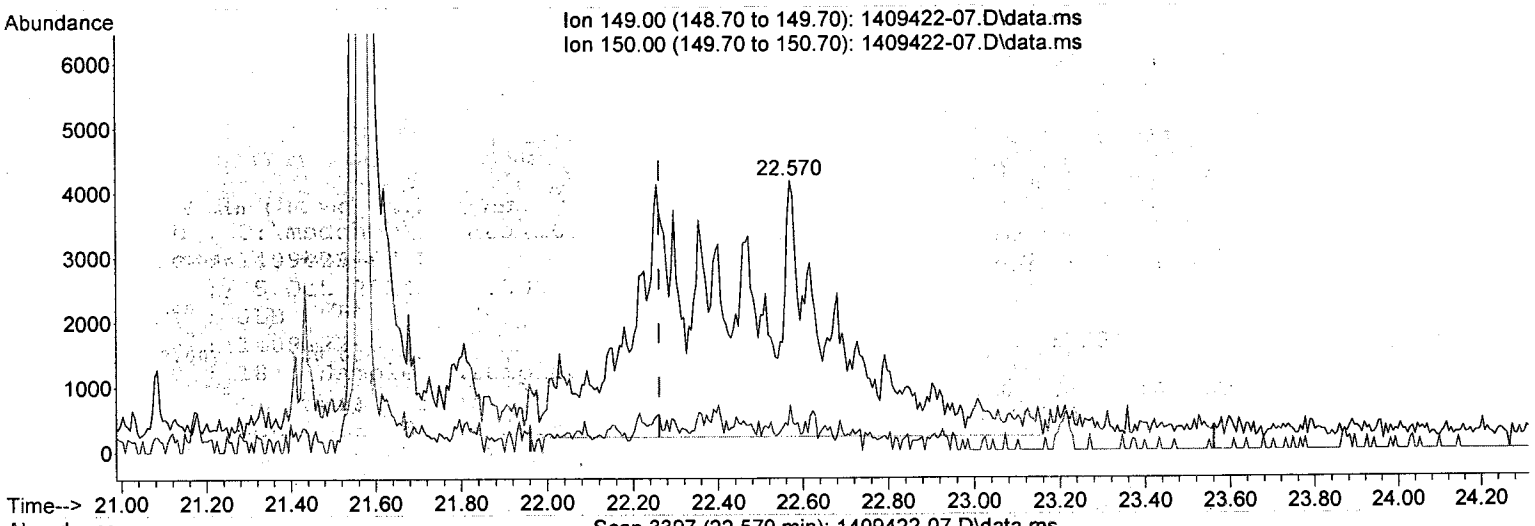
response 404603

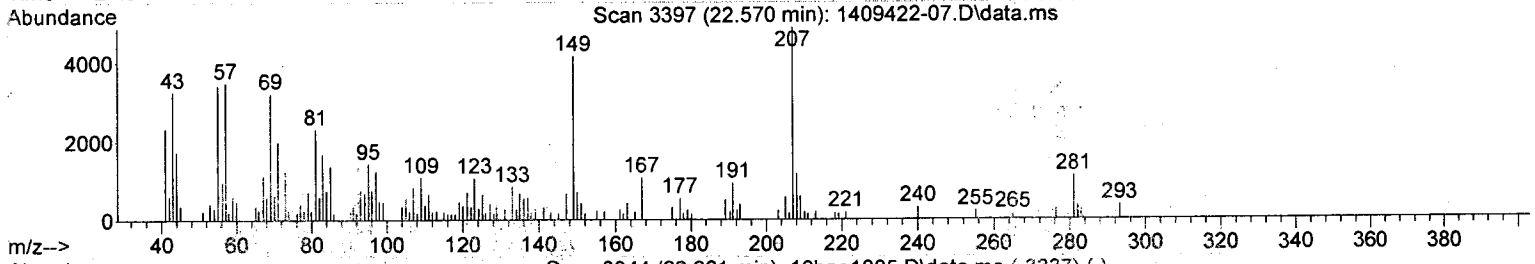
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.87
0.00	0.00	0.00
0.00	0.00	0.00

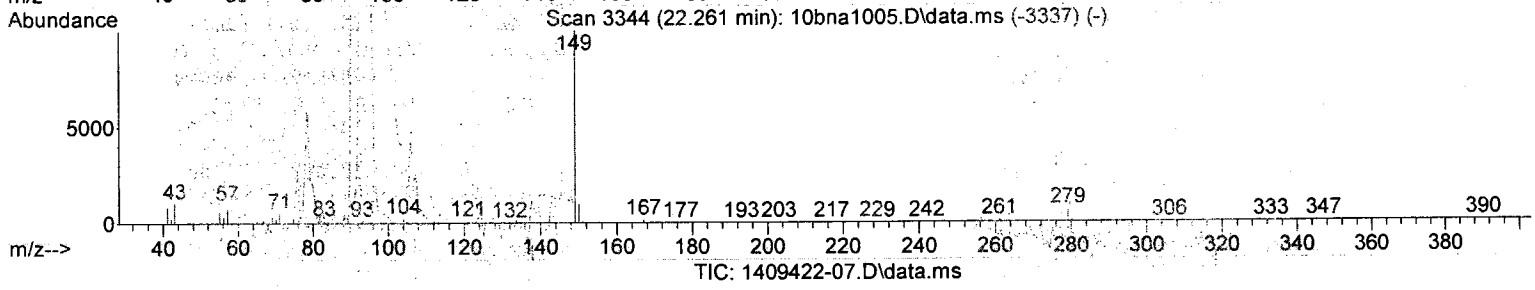
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-07.D
Acq On : 5 Oct 2014 20:30
Operator : JLB
Sample : 1409422-07 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 06 10:01:54 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-07.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.570min (+ 0.309) 0.62 ng/uL

response 93505

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.62#
0.00	0.00	0.00
0.00	0.00	0.00

RT

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-07RE1
File ID: 1409422-07re1.D
Sampled: 09/23/14 10:00
Prepared: 10/06/14 12:32
Analyzed: 10/07/14 11:45
Solids: 95.97
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08017
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.2	17	17	U
56-55-3	Benzo(a)anthracene	1	8.7	2.9	8.7	17	U
50-32-8	Benzo(a)pyrene	1	8.7	2.4	8.7	17	U
205-99-2	Benzo(b)fluoranthene	1	8.7	2.0	8.7	17	U
207-08-9	Benzo(k)fluoranthene	1	8.7	2.0	8.7	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.7	2.0	8.7	35	U
65-85-0	Benzoic Acid	1	170	72	170	350	U
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.2	17	35	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.7	3.8	8.7	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	4.0	17	17	U
218-01-9	Chrysene	1	17	4.1	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.7	2.0	8.7	35	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	28	14	35	69	J
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	870	U
120-83-2	2,4-Dichlorophenol	1	17	4.3	17	35	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.7	4.2	8.7	17	U
121-14-2	2,4-Dinitrotoluene	1	8.7	3.4	8.7	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-07RE1
File ID: 1409422-07re1.D
Sampled: 09/23/14 10:00
Prepared: 10/06/14 12:32
Analyzed: 10/07/14 11:45
Solids: 95.97
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08017
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.7	3.5	8.7	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	60	12	17	35	B
206-44-0	Fluoranthene	1	17	4.7	17	17	U
86-73-7	Fluorene	1	17	4.2	17	35	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.8	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.7	2.8	8.7	35	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.8	17	17	U
108-39-4	3+4-Methylphenol	1	8.7	3.8	8.7	17	U
95-48-7	2-Methylphenol	1	8.7	3.7	8.7	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	70	26	70	340	U
88-74-4	2-Nitroaniline	1	8.7	3.7	8.7	17	U
99-09-2	3-Nitroaniline	1	35	17	35	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.7	17	17	U
100-02-7	4-Nitrophenol	1	350	110	350	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.7	3.6	8.7	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.3	17	17	U
108-95-2	Phenol	1	17	4.1	17	170	U
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.7	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.7	2.6	8.7	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	724	585	81	33 - 113	
Phenol-d6	724	381	53	30 - 115	
Nitrobenzene-d5	362	306	85	33 - 131	
2-Fluorobiphenyl	362	337	93	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-07RE1
File ID: 1409422-07re1.D
Sampled: 09/23/14 10:00
Prepared: 10/06/14 12:32
Analyzed: 10/07/14 11:45
Solids: 95.97
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08017
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	724	672	93	12 - 124	
o-Terphenyl	362	366	101	20 - 155	

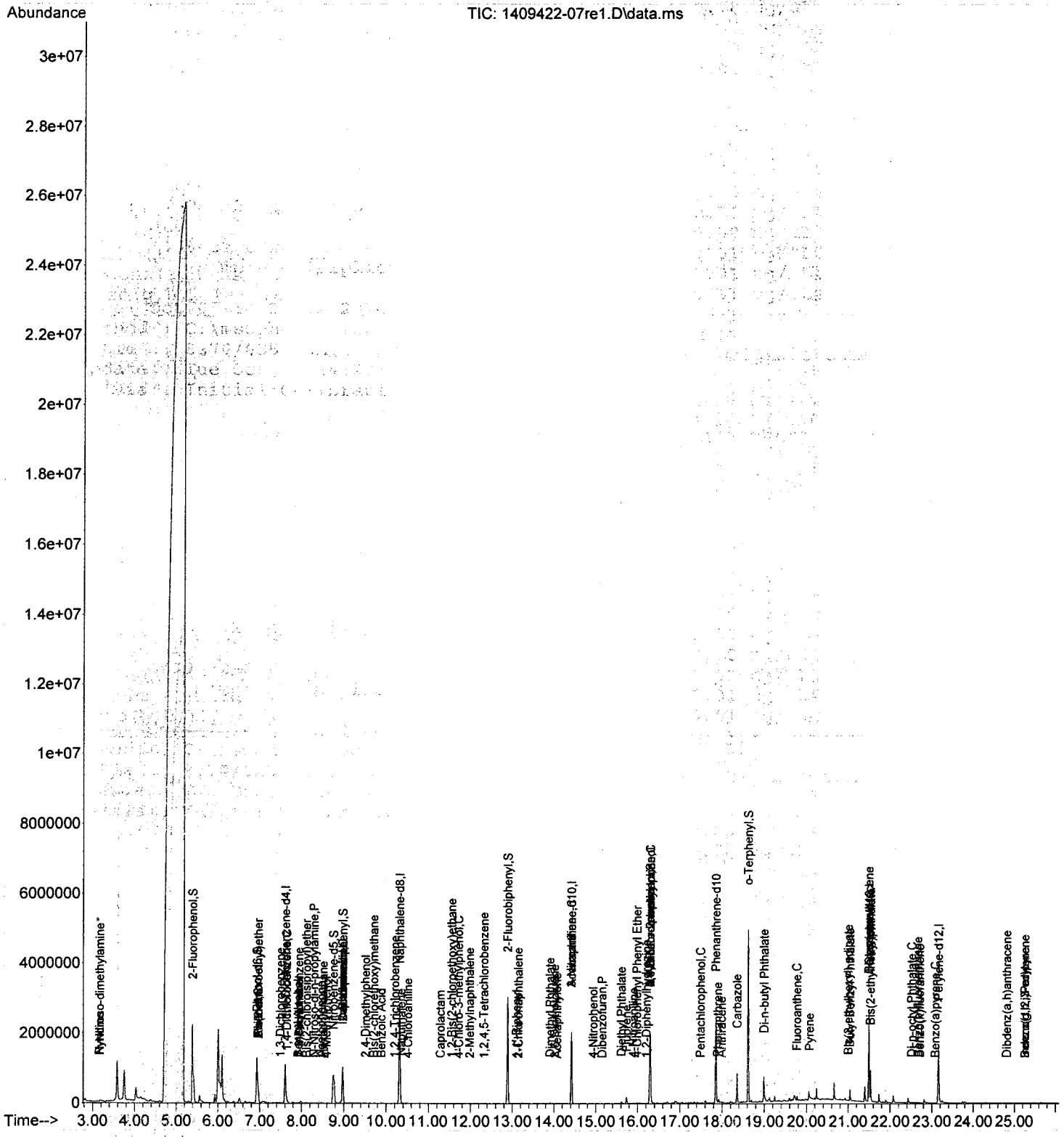
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	382406	7.608	403279	7.614	
Naphthalene-d8	1441148	10.318	1529030	10.359	
Acenaphthene-d10	865669	14.422	866604	14.474	
Phenanthrene-d10	1396117	17.855	1400442	17.901	
Chrysene-d12	1128649	21.498	1153654	21.538	
Perylene-d12	913998	23.159	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-07re1.D
Acq On : 7 Oct 2014 11:45
Operator : JLB
Sample : 1409422-07re1 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 07 14:27:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-07re1.D
Acq On : 7 Oct 2014 11:45
Operator : JLB
Sample : 1409422-07re1 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 07 14:27:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	382406	5.00	ng/uL	# 0.04
20) Naphthalene-d8	10.318	136	1441148	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.422	164	865669	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.855	188	1396117	5.00	ng/uL	0.00
81) Chrysene-d12	21.498	240	1128649	5.00	ng/uL	# 0.00
89) Perylene-d12	23.159	264	913998	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.387	112	1412705	16.17	ng/uL	0.23
6) Phenol-d6	6.932	99	1192037	10.54	ng/uL	0.05
21) Nitrobenzene-d5	8.750	82	779855	8.47	ng/uL	0.00
23) Decafluorobiphenyl	8.972	334	585818	9.07	ng/uL	0.00
47) 2-Fluorobiphenyl	12.889	172	1666213	9.32	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.299	330	393245	18.57	ng/uL	-0.02
78) o-Terphenyl	18.618	230	1213046	10.13	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.167	74	568	0.01	ng/uL#	1
3) Pyridine	3.161	79	258	0.00	ng/uL#	82
5) Aniline	6.961	93	136	0.22	ng/uL#	1
7) Phenol	6.955	94	9537	0.07	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.961	93	136	0.00	ng/uL#	1
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.486	146	3559	0.03	ng/uL#	24
11) 1,4-Dichlorobenzene	7.637	146	1406	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.934	146	3078	0.03	ng/uL#	44
13) Bis(2-chloroisipropyl)...	8.115	45	295	0.00	ng/uL	99
14) Benzyl Alcohol	7.911	108	258	0.00	ng/uL#	1
15) 2-Methylphenol	7.940	108	141	0.00	ng/uL#	1
16) Acetophenone	8.459	105	761	0.01	ng/uL	93
17) Hexachloroethane	8.511	119	451	0.01	ng/uL#	49
18) 4-Methylphenol	8.581	108	53	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.290	70	370	0.01	ng/uL	81
22) Nitrobenzene	8.750	77	2220	0.02	ng/uL#	1
24) Isophorone	8.966	82	328	0.00	ng/uL	100
25) 2-Chloroaniline	8.972	127	7694	0.07	ng/uL#	57
26) 2-Nitrophenol	8.972	139	1520	0.03	ng/uL#	31
27) 2,4-Dimethylphenol	9.514	107	58	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.712	93	54	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.887	105	126	RT 2.46	ng/uL#	22
31) 1,2,4-Trichlorobenzene	10.202	180	1687	0.02	ng/uL	91
32) Naphthalene	10.353	128	958	0.00	ng/uL#	1
33) 4-Chloroaniline	10.517	127	485	0.01	ng/uL#	78
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.286	55	5476	0.13	ng/uL#	29
37) 1,2-Bis(2-chloroethoxy...	11.554	63	139	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.711	107	321	0.00	ng/uL#	15
39) 2-Methylnaphthalene	11.980	142	55	0.00	ng/uL#	16
40) 1-Methylnaphthalene	0.000		0	N.D.		
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

LMOL ASC 10/9/14

002202

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-07re1.D
Acq On : 7 Oct 2014 11:45
Operator : JLB
Sample : 1409422-07re1 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 07 14:27:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.323	216	208	0.00 ng/uL#	59
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.145	162	313	0.00 ng/uL	93
49) 1,1'-Biphenyl	13.099	154	754	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.072	152	83	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.020	165	586	0.01 ng/uL#	49
53) Dimethyl Phthalate	13.903	163	9777	0.05 ng/uL	91
54) 3-Nitroaniline	14.416	138	146	0.00 ng/uL#	1
55) Acenaphthene	14.422	153	76	0.00 ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	15.150	168	286	0.00 ng/uL#	69
58) 4-Nitrophenol	14.940	65	194	0.01 ng/uL#	35
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.733	166	66	0.00 ng/uL#	1
63) Diethyl Phthalate	15.611	149	15894	0.09 ng/uL	93
64) 4-Chlorophenyl Phenyl ...	15.984	204	424	0.00 ng/uL#	1
65) 4-Nitroaniline	15.902	138	120	0.00 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.299	198	930	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.299	169	16380	~~0.11~~ ng/uL#	40
69) 1,2-Diphenylhydrazine	16.211	182	929	0.02 ng/uL#	51
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.488	266	730	0.02 ng/uL#	1
75) Phenanthrene	17.896	178	2050	0.01 ng/uL#	52
76) Anthracene	17.989	178	227	0.00 ng/uL#	30
77) Carbazole	18.356	167	14512	0.06 ng/uL#	67
79) Di-n-butyl Phthalate	18.997	149	209287	0.78 ng/uL	99
80) Fluoroanthene	19.772	202	1191	0.00 ng/uL#	84
82) Pyrene	20.070	202	1316	0.00 ng/uL#	1
83) Butyl Benzyl Phthalate	21.037	149	1135	0.01 ng/uL	93
84) Bis(2-ethylhexyl) adipate	21.002	129	1633	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.492	228	3434	0.02 ng/uL#	1
86) Chrysene	21.492	228	3434	0.02 ng/uL	94
87) Bis(2-ethylhexyl)phtha...	21.533	149	223165	1.65 ng/uL	91
88) Di-n-octyl Phthalate	22.518	149	41532	0.51 ng/uL#	78
90) Benzo(b)fluoroanthene	22.669	252	390	0.00 ng/uL#	56
91) Benzo(k)fluoranthene	22.710	252	219	0.00 ng/uL#	58
92) Benzo(a)pyrene	23.083	252	174	0.00 ng/uL#	57
93) Indeno(1,2,3-cd)pyrene	25.257	276	1102	0.01 ng/uL#	71
94) Dibdenz(a,h)anthracene	24.814	278	624	0.01 ng/uL#	65
95) Benzo(g,h,i)Perylene	25.257	276	1102	0.01 ng/uL#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-07re1.D
Acq On : 7 Oct 2014 11:45
Operator : JLB
Sample : 1409422-07re1 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 07 13:14:50 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration

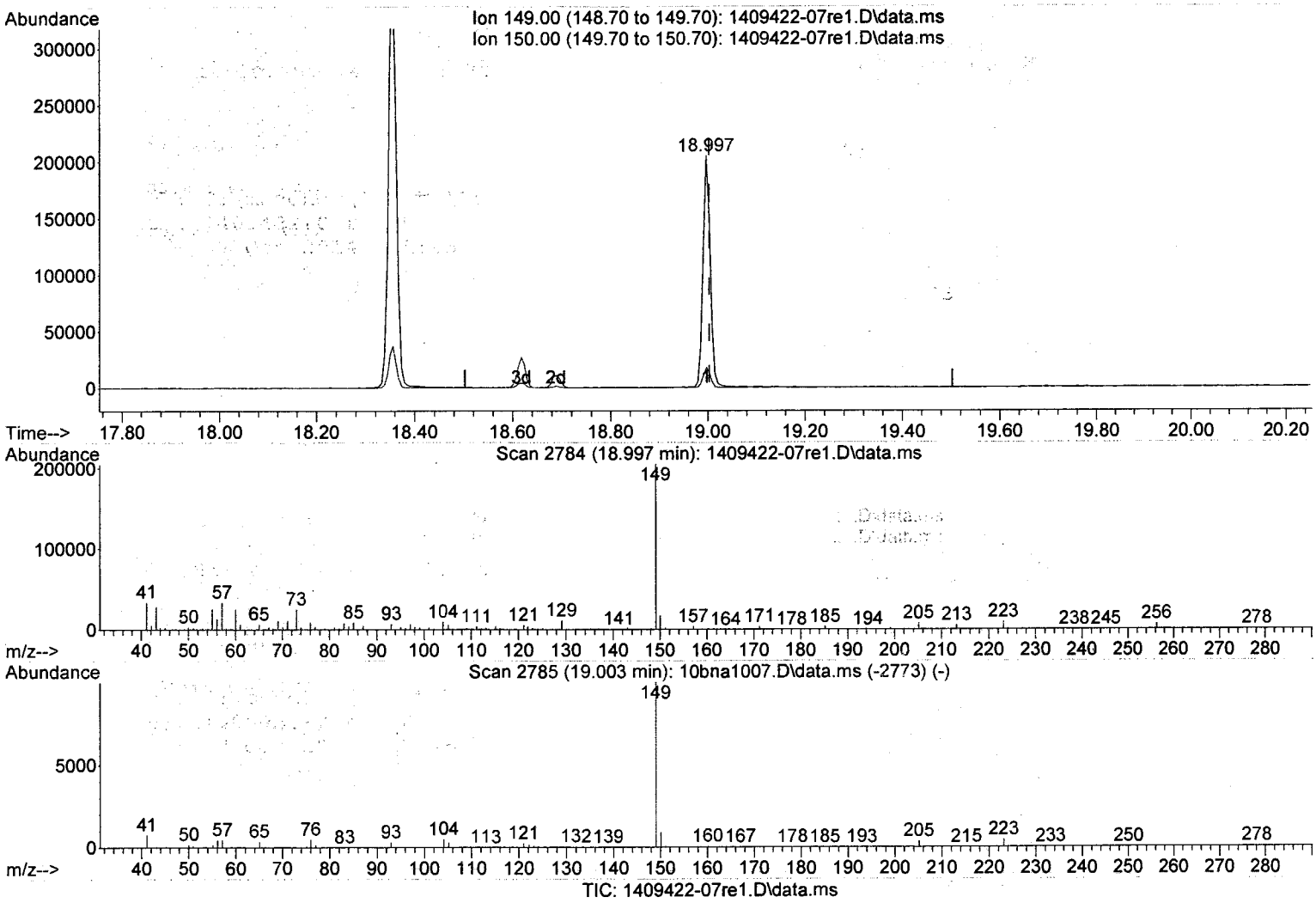
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	377386	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.318	136	1441148	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.422	164	861726	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.855	188	1396117	5.00	ng/uL		0.00
19) Chrysene-d12	21.498	240	1128649	5.00	ng/uL	#	0.00
22) Perylene-d12	23.159	264	929066	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.196	74	385	0.01	ng/uL	#	5
3) Pyridine	2.829	79	1959	0.02	ng/uL		88
4) Aniline	6.961	93	136	0.00	ng/uL	#	1
5) Benzaldehyde	6.728	105	141	0.00	ng/uL	#	1
6) Acetophenone	8.459	105	761	0.01	ng/uL	#	83
7) N-Nitroso-di-n-propyla...	8.290	70	370	0.01	ng/uL		81
9) 4-Chloroaniline	10.517	127	485	0.01	ng/uL	#	78
10) Caprolactam	11.286	55	2904	0.16	ng/uL	#	36
12) 1,1'-Biphenyl	13.099	154	754	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.416	138	146	Below Cal		#	1
15) 4-Nitroaniline	15.891	138	77	Below Cal		#	56
17) N-Nitroso-diphenylamine	16.299	169	16380	0.10	ng/uL	#	40
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.883	184	504	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.469	252	293	0.00	ng/uL	#	19

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-07re1.D
Acq On : 7 Oct 2014 11:45
Operator : JLB
Sample : 1409422-07re1 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 07 14:27:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



TIC: 1409422-07re1.D\data.ms

(79) Di-n-butyl Phthalate

18.997min (-0.006) 0.78 ng/uL

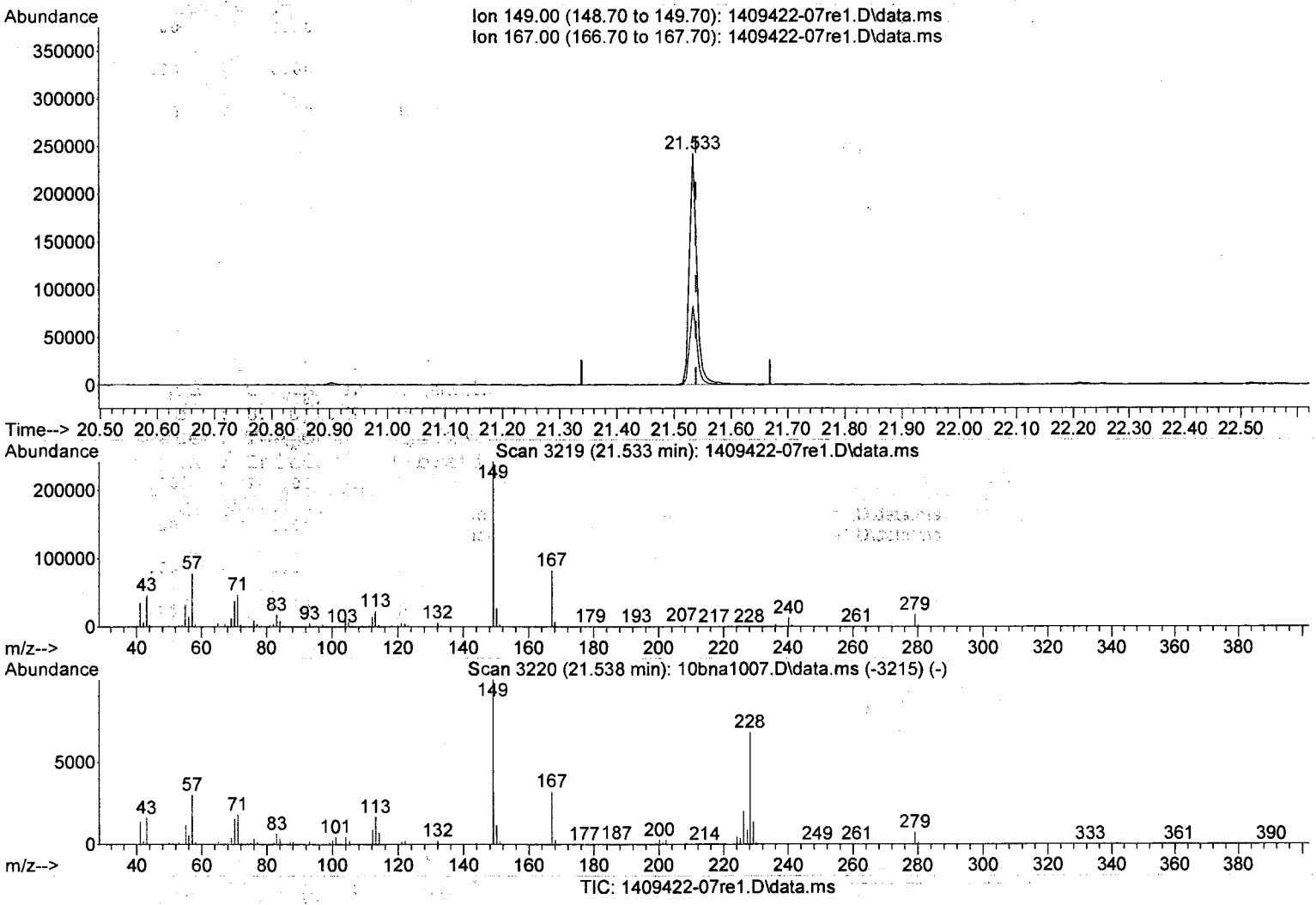
response 209287

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409422-07re1.D
Acq On : 7 Oct 2014 11:45
Operator : JLB
Sample : 1409422-07re1 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 07 14:27:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



TIC: 1409422-07re1.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.533min (-0.006) 1.65 ng/uL

response 223165

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.95
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB15-35DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-08 File ID: 1409422-08.D

Sampled: 09/23/14 10:00 Prepared: 09/30/14 07:32 Analyzed: 10/05/14 21:02

Solids: 97.60 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410423 Sequence: 4J06022 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	89	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB15-35DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-08
File ID: 1409422-08.D
Sampled: 09/23/14 10:00
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 21:02
Solids: 97.60
Preparation: 3550C Sonication Extract
Initial/Final: 29 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	71	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	707	523	74	33 - 113	
Phenol-d6	707	577	82	30 - 115	
Nitrobenzene-d5	353	291	83	33 - 131	
2-Fluorobiphenyl	353	301	85	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB15-35DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-08
File ID: 1409422-08.D
Sampled: 09/23/14 10:00
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 21:02
Solids: 97.60
Preparation: 3550C Sonication Extract
Initial/Final: 29 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	707	510	72	12 - 124	
o-Terphenyl	353	309	87	20 - 155	

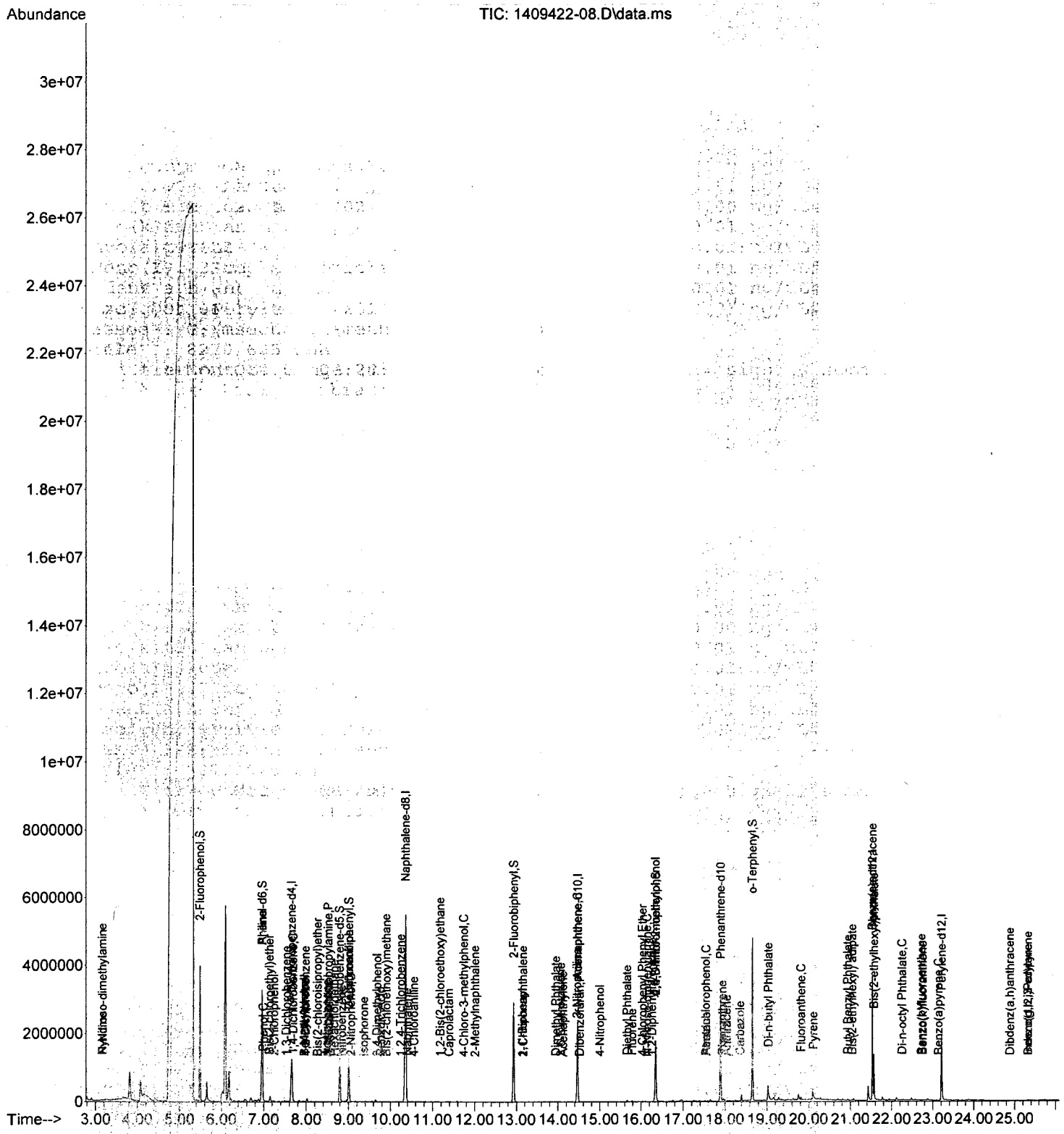
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	444516	7.654	403279	7.614	
Naphthalene-d8	1683743	10.359	1529030	10.359	
Acenaphthene-d10	1026358	14.468	866604	14.474	
Phenanthrene-d10	1710316	17.895	1400442	17.901	
Chrysene-d12	1498912	21.532	1153654	21.538	
Perylene-d12	1061378	23.211	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-08.D
Acq On : 5 Oct 2014 21:02
Operator : JEB
Sample : 1409422-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 06 10:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-08.D
Acq On : 5 Oct 2014 21:02
Operator : JLB
Sample : 1409422-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 06 10:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.654	152	444516	5.00	ng/uL	#	0.05
20) Naphthalene-d8	10.359	136	1683743	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.468	164	1026358	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.895	188	1710316	5.00	ng/uL		0.00
81) Chrysene-d12	21.532	240	1498912	5.00	ng/uL	#	0.00
89) Perylene-d12	23.211	264	1061378	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.492	112	1504599m	14.81	ng/uL		0.31
6) Phenol-d6	6.967	99	2146584	16.33	ng/uL		0.06
21) Nitrobenzene-d5	8.791	82	887436	8.25	ng/uL		0.00
23) Decafluorobiphenyl	9.013	334	639483	8.47	ng/uL		0.00
47) 2-Fluorobiphenyl	12.935	172	1804886	8.51	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.351	330	374312	14.43	ng/uL		-0.01
78) o-Terphenyl	18.659	230	1282174	8.74	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.166	74	321	0.00	ng/uL	#	1
3) Pyridine	3.172	79	1085	0.01	ng/uL	#	31
5) Aniline	6.967	93	303	0.23	ng/uL	#	1
7) Phenol	6.990	94	2521	0.02	ng/uL	#	1
8) Bis(2-chloroethyl)ether	7.136	93	111	0.00	ng/uL	#	1
9) 2-Chlorophenol	7.241	128	305	0.00	ng/uL	#	43
10) 1,3-Dichlorobenzene	7.532	146	2374	0.02	ng/uL	#	11
11) 1,4-Dichlorobenzene	7.689	146	924	0.01	ng/uL	#	1
12) 1,2-Dichlorobenzene	7.987	146	2114	0.02	ng/uL	#	18
13) Bis(2-chloroisipropyl)...	8.272	45	351	0.00	ng/uL	#	51
14) Benzyl Alcohol	7.958	108	799	0.01	ng/uL	#	1
15) 2-Methylphenol	7.958	108	799	0.01	ng/uL	#	68
16) Acetophenone	8.488	105	1148	0.01	ng/uL	#	43
17) Hexachloroethane	8.663	119	58	0.00	ng/uL	#	3
18) 4-Methylphenol	8.517	108	54	0.00	ng/uL	#	1
19) N-Nitroso-di-n-propyla...	8.523	70	934	0.01	ng/uL	#	55
22) Nitrobenzene	8.838	77	178	0.00	ng/uL	#	1
24) Isophorone	9.368	82	1168	0.01	ng/uL	#	58
25) 2-Chloroaniline	9.013	127	7820	0.06	ng/uL	#	64
26) 2-Nitrophenol	9.059	139	67	0.00	ng/uL	#	1
27) 2,4-Dimethylphenol	9.683	107	58	0.00	ng/uL	#	5
28) Bis(2-chlorethoxy)methane	9.904	93	140	0.00	ng/uL	#	73
29) 2,4-Dichlorophenol	0.000		0	N.D.			
30) Benzoic Acid	9.770	105	4829m	2.51	ng/uL		
31) 1,2,4-Trichlorobenzene	10.242	180	969	0.01	ng/uL		81
32) Naphthalene	10.400	128	2126	0.01	ng/uL	#	1
33) 4-Chloroaniline	10.557	127	460	0.01	ng/uL	#	35
34) 2,6-Dichlorophenol	0.000		0	N.D.			
35) Hexachlorobutadiene	0.000		0	N.D.			
36) Caprolactam	11.391	55	365	0.01	ng/uL	#	31
37) 1,2-Bis(2-chloroethoxy...	11.181	63	179	0.00	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.740	107	466	0.00	ng/uL	#	1
39) 2-Methylnaphthalene	12.008	142	151	0.00	ng/uL	#	45
40) 1-Methylnaphthalene	0.000		0	N.D.			
41) 1,3 Dinitrobenzene	13.914	168	81	Below Cal			100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-08.D
Acq On : 5 Oct 2014 21:02
Operator : JLB
Sample : 1409422-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 06 10:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.157	162	535	0.00 ng/uL#	65
49) 1,1'-Biphenyl	13.145	154	880	0.00 ng/uL#	78
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.118	152	58	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.066	165	570	0.01 ng/uL#	31
53) Dimethyl Phthalate	13.949	163	5877	0.03 ng/uL#	81
54) 3-Nitroaniline	14.451	138	115	0.00 ng/uL#	39
55) Acenaphthene	14.462	153	53	0.00 ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.515	168	54	0.00 ng/uL#	37
58) 4-Nitrophenol	14.999	65	417	0.01 ng/uL#	30
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.785	166	69	0.00 ng/uL#	1
63) Diethyl Phthalate	15.663	149	10604	0.05 ng/uL	95
64) 4-Chlorophenyl Phenyl ...	16.036	204	297	0.00 ng/uL#	24
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	16.345	198	873	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.141	169	209	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	16.258	182	1451	0.02 ng/uL#	59
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.546	200	57	0.00 ng/uL#	25
74) Pentachlorophenol	17.540	266	646	0.02 ng/uL#	1
75) Phenanthrene	17.936	178	2238	0.01 ng/uL#	74
76) Anthracene	18.035	178	452	0.00 ng/uL#	79
77) Carbazole	18.362	167	745	0.00 ng/uL#	61
79) Di-n-butyl Phthalate	19.038	149	48980	0.15 ng/uL	96
80) Fluoroanthene	19.813	202	1009	0.00 ng/uL#	70
82) Pyrene	20.104	202	1651	0.00 ng/uL#	1
83) Butyl Benzyl Phthalate	20.938	149	5987	0.04 ng/uL	90
84) Bis(2-ethylhexyl) adipate	21.043	129	3564	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.532	228	4227	0.02 ng/uL#	1
86) Chrysene	21.532	228	4227	0.02 ng/uL	96
87) Bis(2-ethylhexyl)phtha...	21.567	149	359203	2.00 ng/uL	91
88) Di-n-octyl Phthalate	22.255	149	88541	~~0.61~~ ng/uL#	75
90) Benzo(b)fluoroanthene	22.722	252	927	0.00 ng/uL#	50
91) Benzo(k)fluoranthene	22.756	252	1204	0.01 ng/uL#	90
92) Benzo(a)pyrene	23.135	252	1083	0.01 ng/uL#	77
93) Indeno(1,2,3-cd)pyrene	25.327	276	1222	0.01 ng/uL#	82
94) Dibenz(a,h)anthracene	24.884	278	702	0.01 ng/uL#	78
95) Benzo(g,h,i)perylene	25.327	276	1222	0.01 ng/uL#	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-08.D
Acq On : 5 Oct 2014 21:02
Operator : JLB
Sample : 1409422-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 06 09:27:06 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

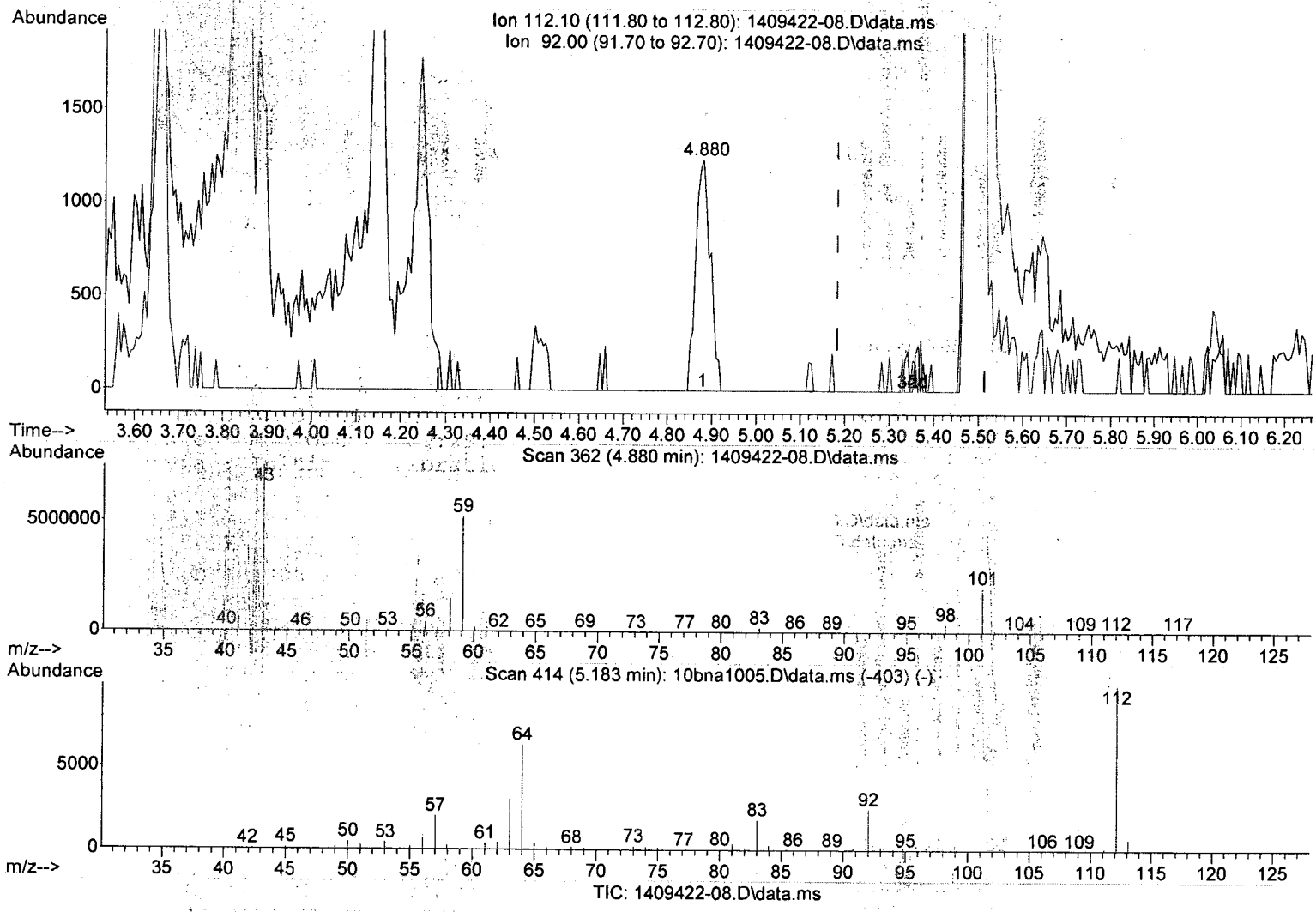
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.654	152	442531	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.359	136	1683743	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	1025286	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.895	188	1710920	5.00	ng/uL		0.00
19) Chrysene-d12	21.532	240	1498912	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1076665	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.166	74	321	0.00	ng/uL	#	1
3) Pyridine	3.172	79	1085	0.01	ng/uL	#	31
4) Aniline	6.967	93	303	0.00	ng/uL	#	1
5) Benzaldehyde	6.809	105	3771	0.04	ng/uL	#	39
6) Acetophenone	8.488	105	1148	0.01	ng/uL	#	43
7) N-Nitroso-di-n-propyla...	8.523	70	934	0.01	ng/uL	#	55
9) 4-Chloroaniline	10.557	127	460	0.01	ng/uL	#	35
10) Caprolactam	11.332	55	775	0.11	ng/uL	#	1
12) 1,1'-Biphenyl	13.145	154	880	0.00	ng/uL	#	78
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.451	138	115	Below Cal		#	39
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.141	169	209	0.00	ng/uL	#	26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.233	184	111	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.509	252	337	0.00	ng/uL	#	46

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-08.D
Acq On : 5 Oct 2014 21:02
Operator : JLB
Sample : 1409422-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 06 10:03:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-08.D\data.ms

(4) 2-Fluorophenol (S)

4.880min (-0.303) 0.03 ng/uL

response 2828

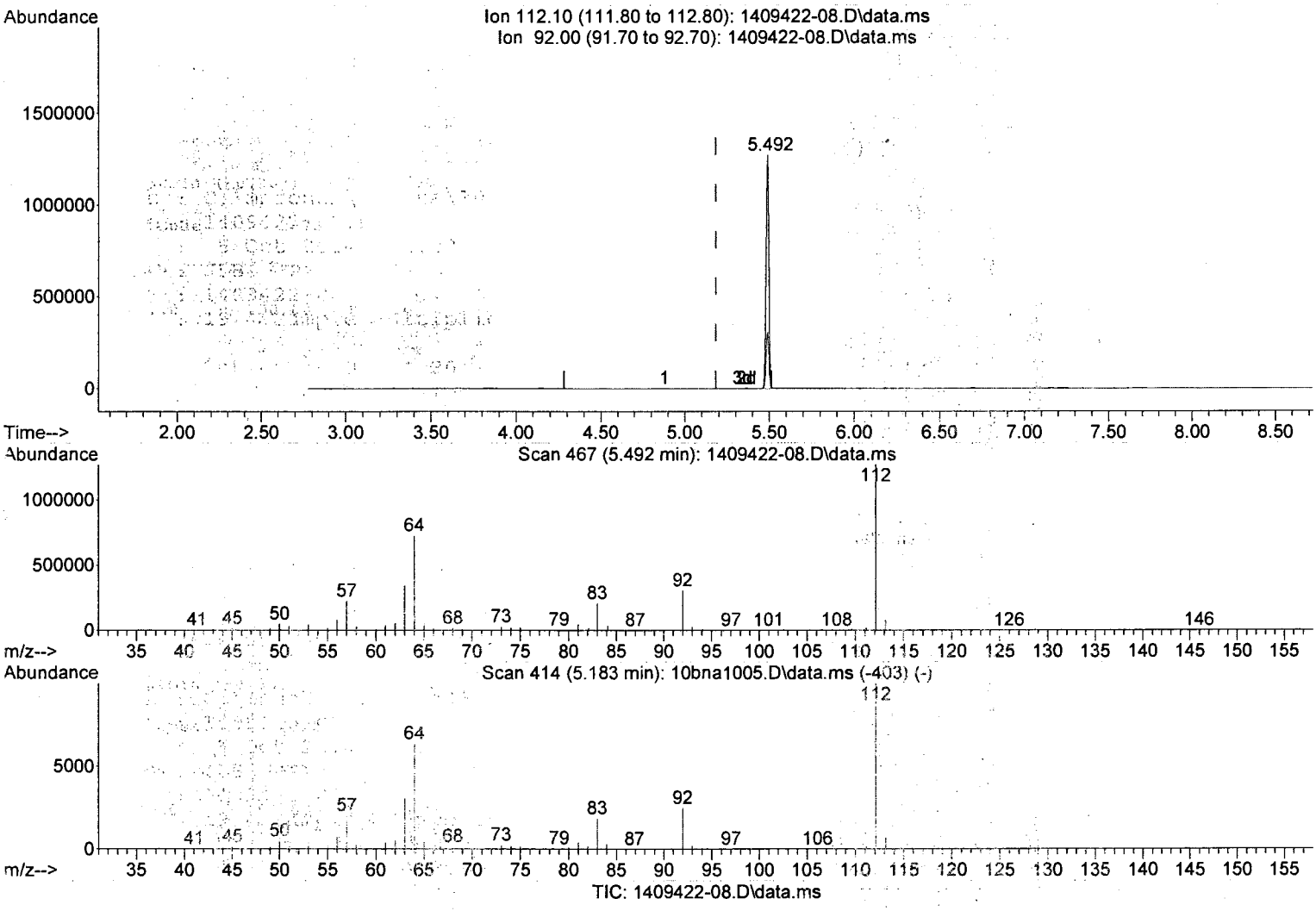
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

JWS 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-08.D
Acq On : 5 Oct 2014 21:02
Operator : JLB
Sample : 1409422-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 06 10:03:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-08.D\data.ms

(4) 2-Fluorophenol (S)

5.492min (+ 0.309) 14.81 ng/uL m

response 1504599

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JWS Date: 10/7/14

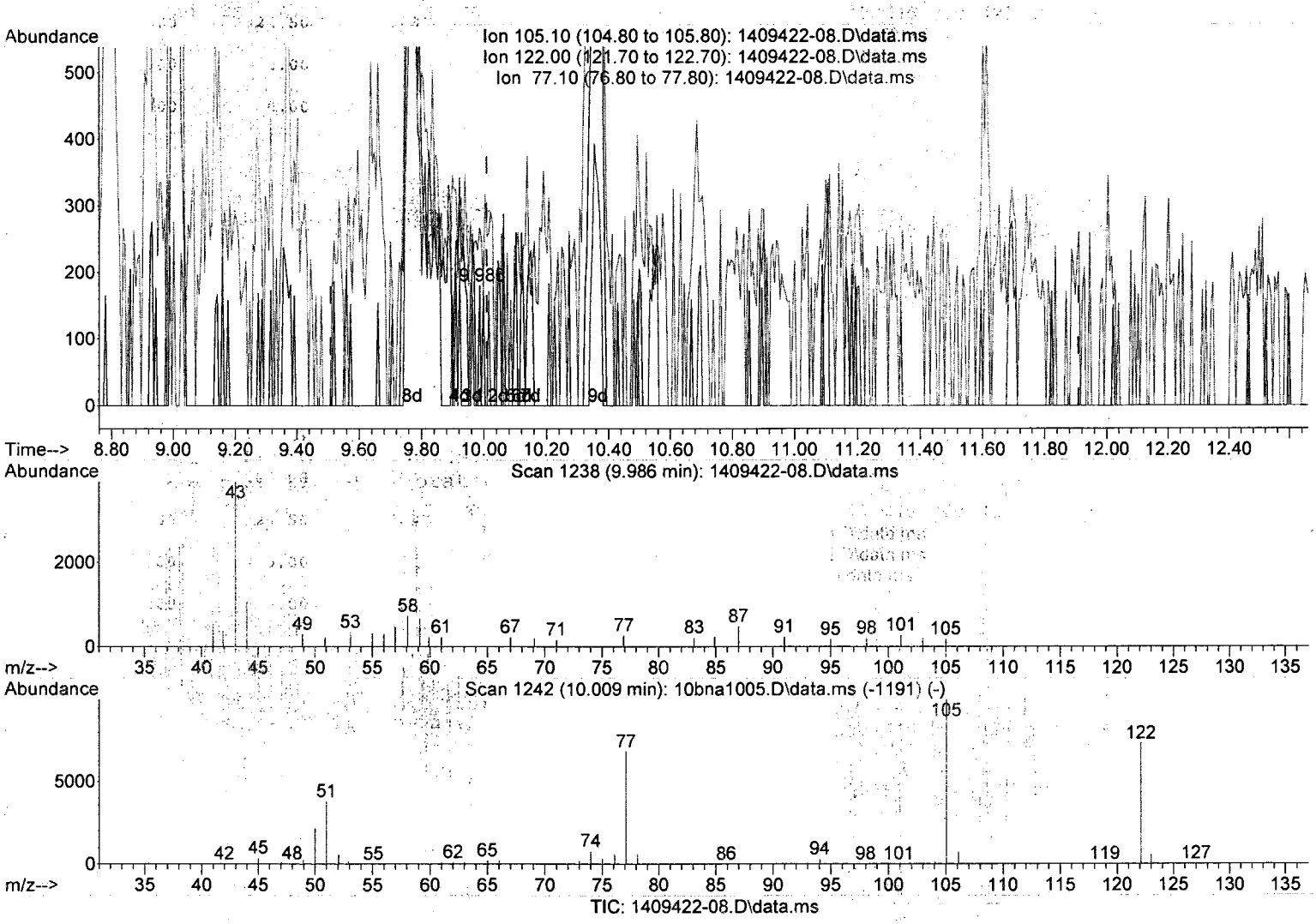
Reviewed By: ASC Date: 10/9/14

002215

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-08.D
Acq On : 5 Oct 2014 21:02
Operator : JLB
Sample : 1409422-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 06 10:03:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-08.D\data.ms

(30) Benzoic Acid

9.986min (-0.023) 2.46 ng/uL

response 126

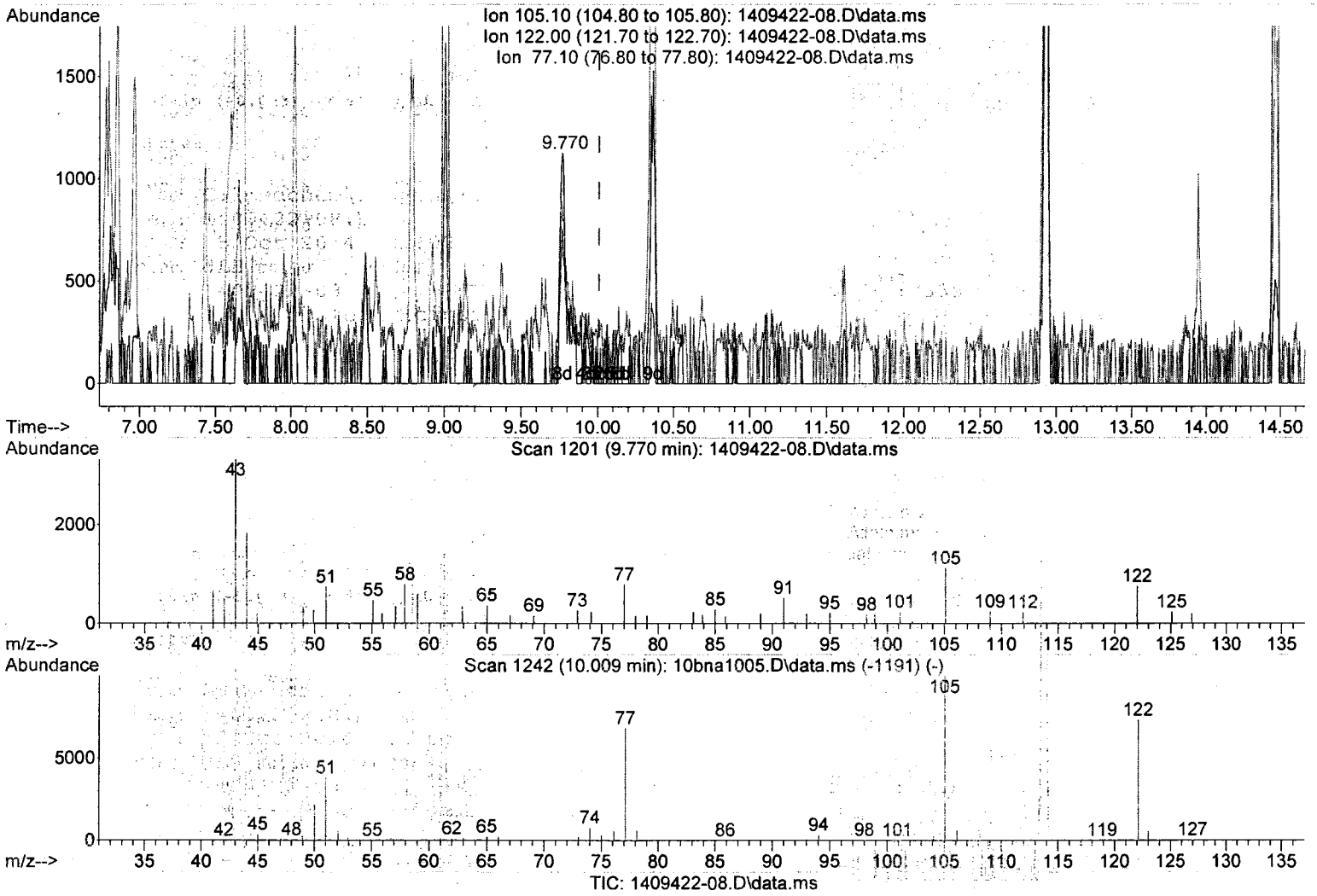
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

JLB 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-08.D
Acq On : 5 Oct 2014 21:02
Operator : JLB
Sample : 1409422-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 06 10:03:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-08.D\data.ms

(30) Benzoic Acid

9.770min (-0.239) 2.51 ng/uL m

response 4829

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/7/14

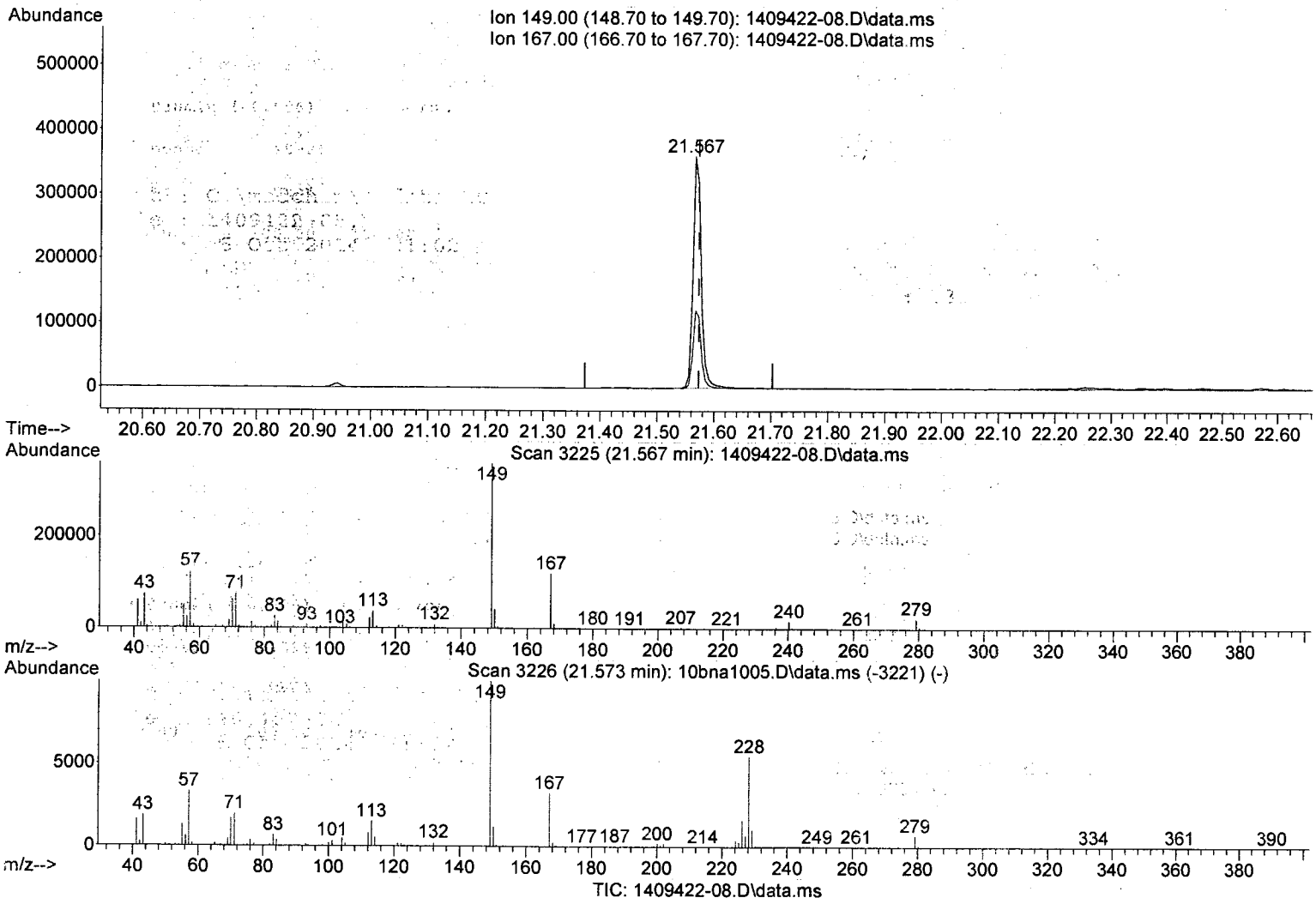
Reviewed By: RSC Date: 10/9/14

002217

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-08.D
Acq On : 5 Oct 2014 21:02
Operator : JLB
Sample : 1409422-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 06 10:03:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.567min (-0.006) 2.00 ng/uL

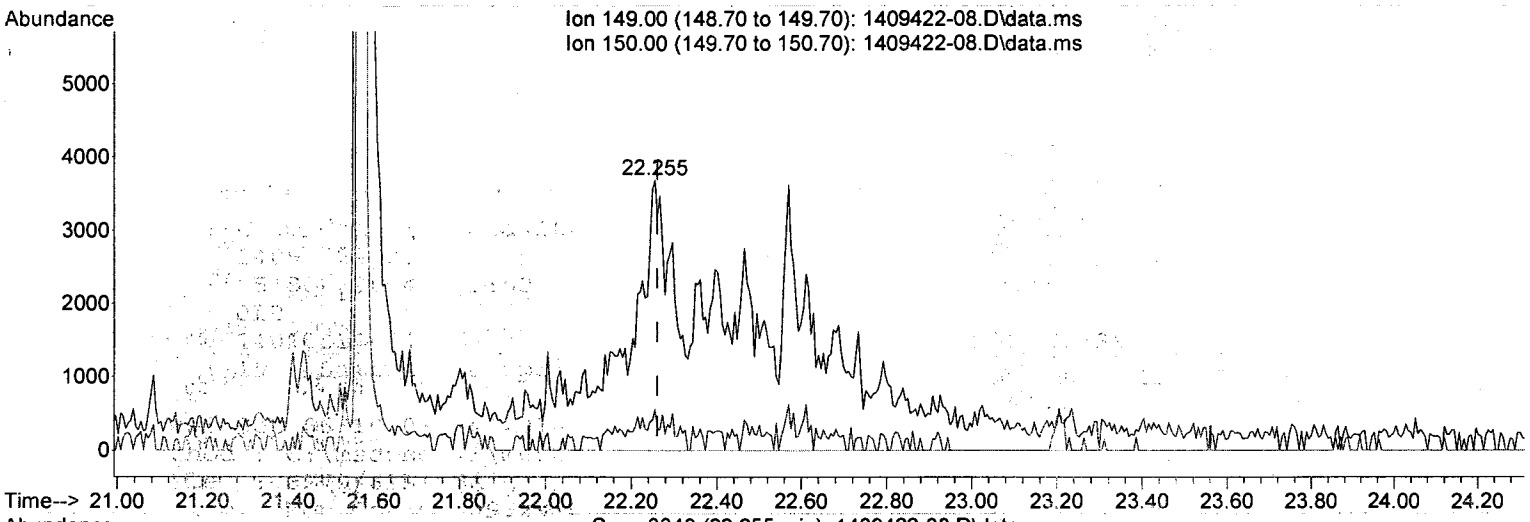
response 359203

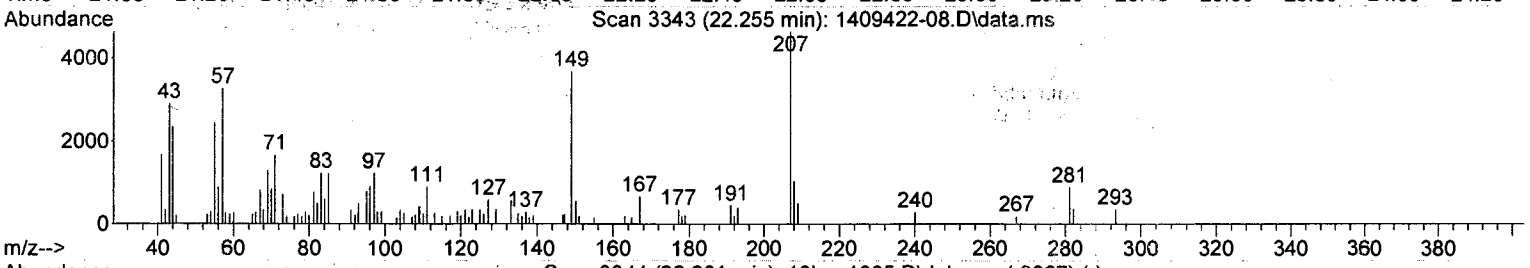
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.88
0.00	0.00	0.00
0.00	0.00	0.00

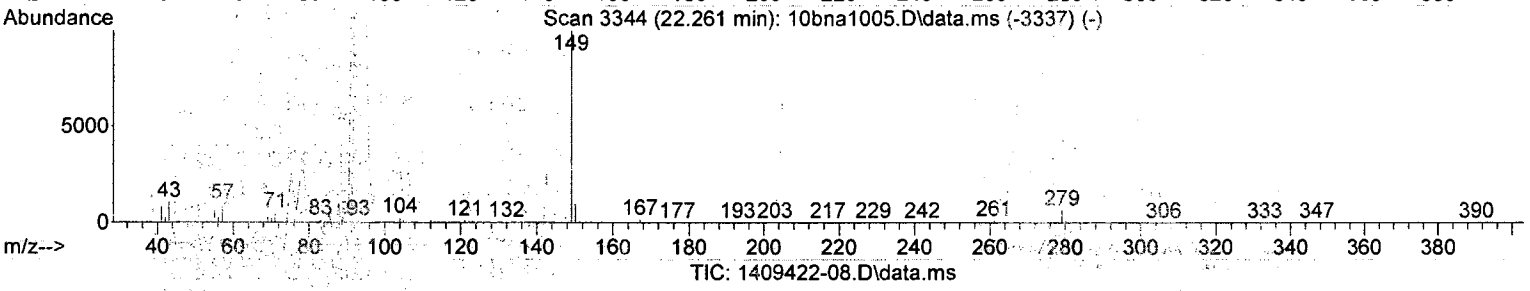
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-08.D
Acq On : 5 Oct 2014 21:02
Operator : JLB
Sample : 1409422-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 06 10:03:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-08.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.255min (-0.006) 0.61 ng/uL

response 88541

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.45#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB18-35

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-10 File ID: 1409422-10.D

Sampled: 09/23/14 14:05 Prepared: 09/30/14 07:32 Analyzed: 10/05/14 21:34

Solids: 96.66 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410423 Sequence: 4J06022 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	8.6	2.0	8.6	17	U
207-08-9	Benzo(k)fluoranthene	1	8.6	2.0	8.6	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.6	2.0	8.6	34	U
65-85-0	Benzoic Acid	1	91	72	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB18-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-10
File ID: 1409422-10.D
Sampled: 09/23/14 14:05
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 21:34
Solids: 96.66
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	53	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	716	556	78	33 - 113	
Phenol-d6	716	614	86	30 - 115	
Nitrobenzene-d5	358	309	86	33 - 131	
2-Fluorobiphenyl	358	318	89	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB18-35

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-10
File ID: 1409422-10.D
Sampled: 09/23/14 14:05
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 21:34
Solids: 96.66
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	716	570	80	12 - 124	
o-Terphenyl	358	321	90	20 - 155	

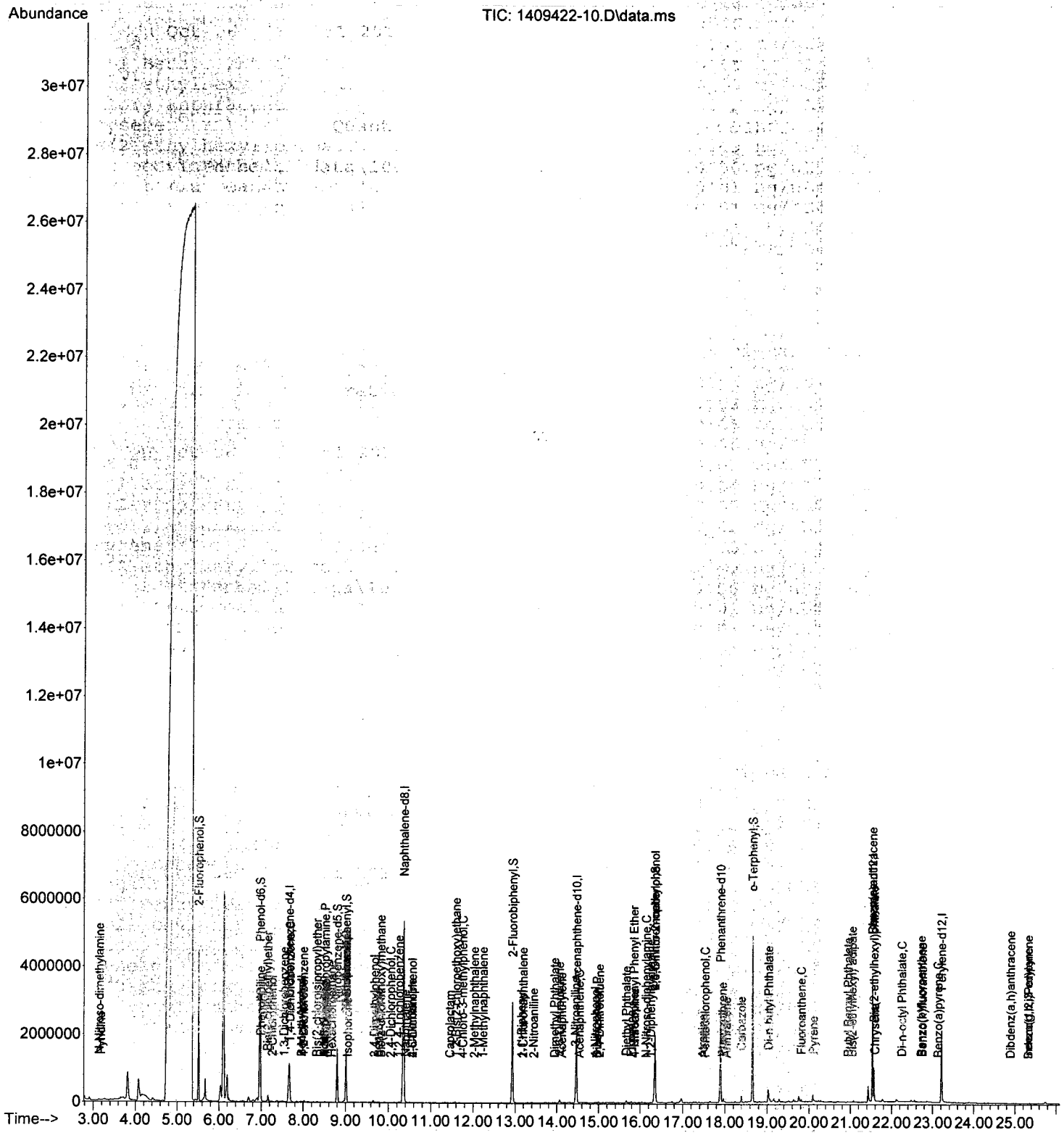
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	447279	7.66	403279	7.614	
Naphthalene-d8	1705811	10.365	1529030	10.359	
Acenaphthene-d10	1015822	14.468	866604	14.474	
Phenanthrene-d10	1739512	17.895	1400442	17.901	
Chrysene-d12	1521916	21.532	1153654	21.538	
Perylene-d12	1101579	23.211	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-10.D
Acq On : 5 Oct 2014 21:34
Operator : JLB
Sample : 1409422-10 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 06 10:06:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-10.D
Acq On : 5 Oct 2014 21:34
Operator : JLB
Sample : 1409422-10 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 06 10:06:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.660	152	447279	5.00	ng/uL	#	0.05
20) Naphthalene-d8	10.365	136	1705811	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.468	164	1015822	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.895	188	1739512	5.00	ng/uL		0.00
81) Chrysene-d12	21.532	240	1521916	5.00	ng/uL	#	0.00
89) Perylene-d12	23.211	264	1101579	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.515	112	1588373m	15.54	ng/uL		0.33
6) Phenol-d6	6.973	99	2269835	17.16	ng/uL		0.06
21) Nitrobenzene-d5	8.797	82	940410	8.62	ng/uL		0.01
23) Decafluorobiphenyl	9.013	334	687922	9.00	ng/uL		0.00
47) 2-Fluorobiphenyl	12.935	172	1863647	8.88	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.351	330	420433	15.93	ng/uL		-0.01
78) o-Terphenyl	18.659	230	1339934	8.98	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.143	74	231	0.00	ng/uL#		1
3) Pyridine	3.184	79	1432	0.01	ng/uL#		37
5) Aniline	6.984	93	153	0.22	ng/uL#		1
7) Phenol	6.990	94	2263	0.02	ng/uL#		1
8) Bis(2-chloroethyl)ether	7.153	93	120	0.00	ng/uL#		1
9) 2-Chlorophenol	7.258	128	240	0.00	ng/uL#		43
10) 1,3-Dichlorobenzene	7.538	146	2331	0.02	ng/uL#		1
11) 1,4-Dichlorobenzene	7.684	146	1139	0.01	ng/uL#		1
12) 1,2-Dichlorobenzene	7.998	146	2197	0.02	ng/uL#		15
13) Bis(2-chloroisipropyl)...	8.319	45	1886	0.01	ng/uL#		51
14) Benzyl Alcohol	7.958	108	677	0.01	ng/uL#		1
15) 2-Methylphenol	7.958	108	677	0.01	ng/uL#		34
16) Acetophenone	8.488	105	851	0.01	ng/uL#		1
17) Hexachloroethane	8.669	119	57	0.00	ng/uL#		3
18) 4-Methylphenol	8.523	108	65	0.00	ng/uL#		1
19) N-Nitroso-di-n-propyla...	8.511	70	811	0.01	ng/uL#		69
22) Nitrobenzene	8.797	77	3601	0.03	ng/uL#		1
24) Isophorone	9.048	82	275	0.00	ng/uL		97
25) 2-Chloroaniline	9.013	127	7943	0.06	ng/uL#		59
26) 2-Nitrophenol	9.007	139	1869	0.03	ng/uL#		35
27) 2,4-Dimethylphenol	9.677	107	135	0.00	ng/uL#		5
28) Bis(2-chlorethoxy)methane	9.823	93	74	0.00	ng/uL		95
29) 2,4-Dichlorophenol	10.056	162	128	0.00	ng/uL#		1
30) Benzoic Acid	9.776	105	6838m	2.53	ng/uL		
31) 1,2,4-Trichlorobenzene	10.248	180	1068	0.01	ng/uL		99
32) Naphthalene	10.406	128	1916	0.01	ng/uL#		74
33) 4-Chloroaniline	10.563	127	496	0.01	ng/uL		98
34) 2,6-Dichlorophenol	10.569	162	134	0.00	ng/uL#		1
35) Hexachlorobutadiene	0.000		0	N.D.			
36) Caprolactam	11.449	55	1622	0.03	ng/uL#		62
37) 1,2-Bis(2-chloroethoxy...	11.595	63	121	0.00	ng/uL#		100
38) 4-Chloro-3-methylphenol	11.752	107	632	0.01	ng/uL#		1
39) 2-Methylnaphthalene	12.026	142	378	0.00	ng/uL#		60
40) 1-Methylnaphthalene	12.236	142	115	0.00	ng/uL#		1
41) 1,3 Dinitrobenzene	14.008	168	58	Below Cal			100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-10.D
Acq On : 5 Oct 2014 21:34
Operator : JLB
Sample : 1409422-10 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 06 10:06:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.192	162	605	0.00	ng/uL	95
49) 1,1'-Biphenyl	13.151	154	1096	0.00	ng/uL#	62
50) 2-Nitroaniline	13.442	138	223	0.00	ng/uL#	67
51) Acenaphthylene	14.118	152	831	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.060	165	1242	0.02	ng/uL#	31
53) Dimethyl Phthalate	13.944	163	7540	0.03	ng/uL	91
54) 3-Nitroaniline	14.439	138	829	0.02	ng/uL#	1
55) Acenaphthene	14.538	153	302	0.00	ng/uL#	68
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.964	168	310	0.00	ng/uL	98
58) 4-Nitrophenol	14.917	65	1331	0.03	ng/uL#	32
59) 2,4-Dinitrotoluene	15.016	165	251	0.00	ng/uL#	31
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,5-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.785	166	618	0.00	ng/uL#	1
63) Diethyl Phthalate	15.663	149	18321m	0.09	ng/uL	
64) 4-Chlorophenyl Phenyl ...	15.850	204	53	0.00	ng/uL#	1
65) 4-Nitroaniline	15.867	138	347	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.351	198	947	1.01	ng/uL#	1
68) N-Nitroso-diphenylamine	16.141	169	426	0.00	ng/uL#	73
69) 1,2-Diphenylhydrazine	16.246	182	1795	0.03	ng/uL#	49
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.470	200	55	0.00	ng/uL#	1
74) Pentachlorophenol	17.528	266	1169	0.03	ng/uL#	1
75) Phenanthrene	17.942	178	3034	0.01	ng/uL	98
76) Anthracene	18.035	178	1445	0.00	ng/uL#	61
77) Carbazole	18.397	167	5131	0.02	ng/uL#	83
79) Di-n-butyl Phthalate	19.038	149	54286	0.15	ng/uL	95
80) Fluoroanthene	19.813	202	1412	0.00	ng/uL	93
82) Pyrene	20.104	202	2135	0.01	ng/uL#	1
83) Butyl Benzyl Phthalate	20.944	149	6107	0.04	ng/uL	93
84) Bis(2-ethylhexyl) adipate	21.043	129	2541	0.09	ng/uL#	100
85) Benzo(a)anthracene	21.532	228	4568	0.02	ng/uL#	1
86) Chrysene	21.591	228	64	0.00	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.567	149	271553	1.49	ng/uL	91
88) Di-n-octyl Phthalate	22.249	149	73974	0.56	ng/uL#	76
90) Benzo(b)fluoroanthene	22.721	252	1014	0.01	ng/uL#	12
91) Benzo(k)fluoranthene	22.756	252	1245	0.01	ng/uL#	79
92) Benzo(a)pyrene	23.130	252	1373	0.01	ng/uL#	85
93) Indeno(1,2,3-cd)pyrene	25.327	276	1763	0.01	ng/uL#	65
94) Dibdenz(a,h)anthracene	24.890	278	906	0.01	ng/uL#	85
95) Benzo(g,h,i)Perylene	25.327	276	1763	0.01	ng/uL#	60

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-10.D
Acq On : 5 Oct 2014 21:34
Operator : JLB
Sample : 1409422-10 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 06 09:27:24 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

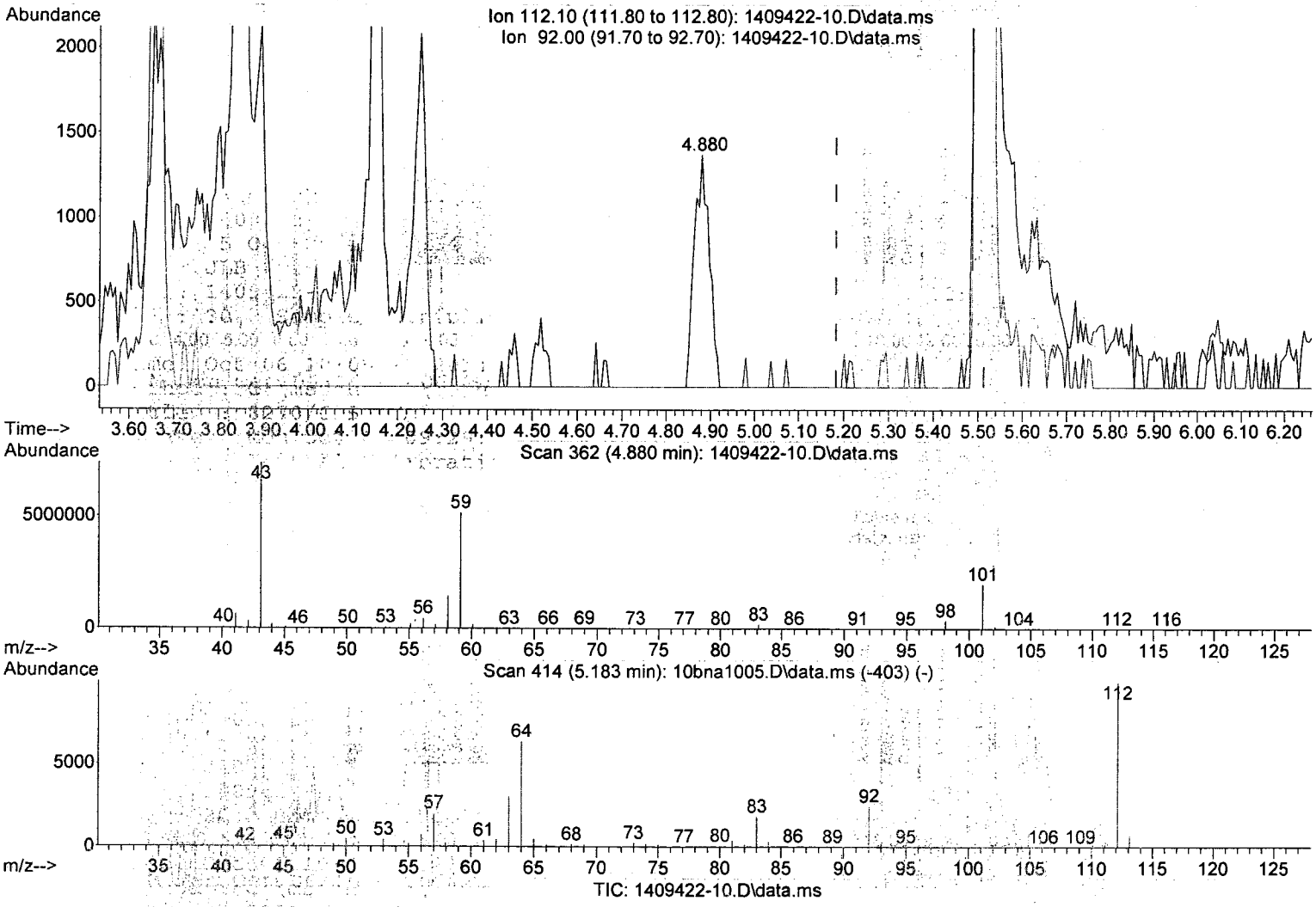
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.660	152	440405	5.00	ng/uL	#	0.05
8) Naphthalene-d8	10.365	136	1705811	5.00	ng/uL		0.01
11) Acenaphthene-d10	14.468	164	1015118	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.895	188	1741265	5.00	ng/uL		0.00
19) Chrysene-d12	21.532	240	1521916	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1115991	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.143	74	231	0.00	ng/uL#		1
3) Pyridine	2.863	79	255	0.00	ng/uL		84
4) Aniline	6.984	93	153	0.00	ng/uL#		1
5) Benzaldehyde	6.774	105	592	0.01	ng/uL#		66
6) Acetophenone	8.488	105	851	0.01	ng/uL#		1
7) N-Nitroso-di-n-propyla...	8.511	70	811	0.01	ng/uL#		69
9) 4-Chloroaniline	10.563	127	496	0.01	ng/uL		98
10) Caprolactam	11.350	55	3233	0.15	ng/uL#		66
12) 1,1'-Biphenyl	13.151	154	1096	0.00	ng/uL#		62
13) 2-Nitroaniline	13.442	138	223	0.01	ng/uL#		67
14) 3-Nitroaniline	14.439	138	829	Below Cal		#	1
15) 4-Nitroaniline	15.867	138	347	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.141	169	426	0.00	ng/uL#		73
18) Atrazine	17.528	200	174	Below Cal			87
20) Benzidine	20.157	184	119	0.41	ng/uL#		1
21) 3,3'-Dichlorobenzidine	21.503	252	549	0.01	ng/uL#		49

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-10.D
Acq On : 5 Oct 2014 21:34
Operator : JLB
Sample : 1409422-10 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 06 10:05:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-10.D\data.ms

(4) 2-Fluorophenol (S)

4.880min (-0.303) 0.03 ng/uL

response 3196

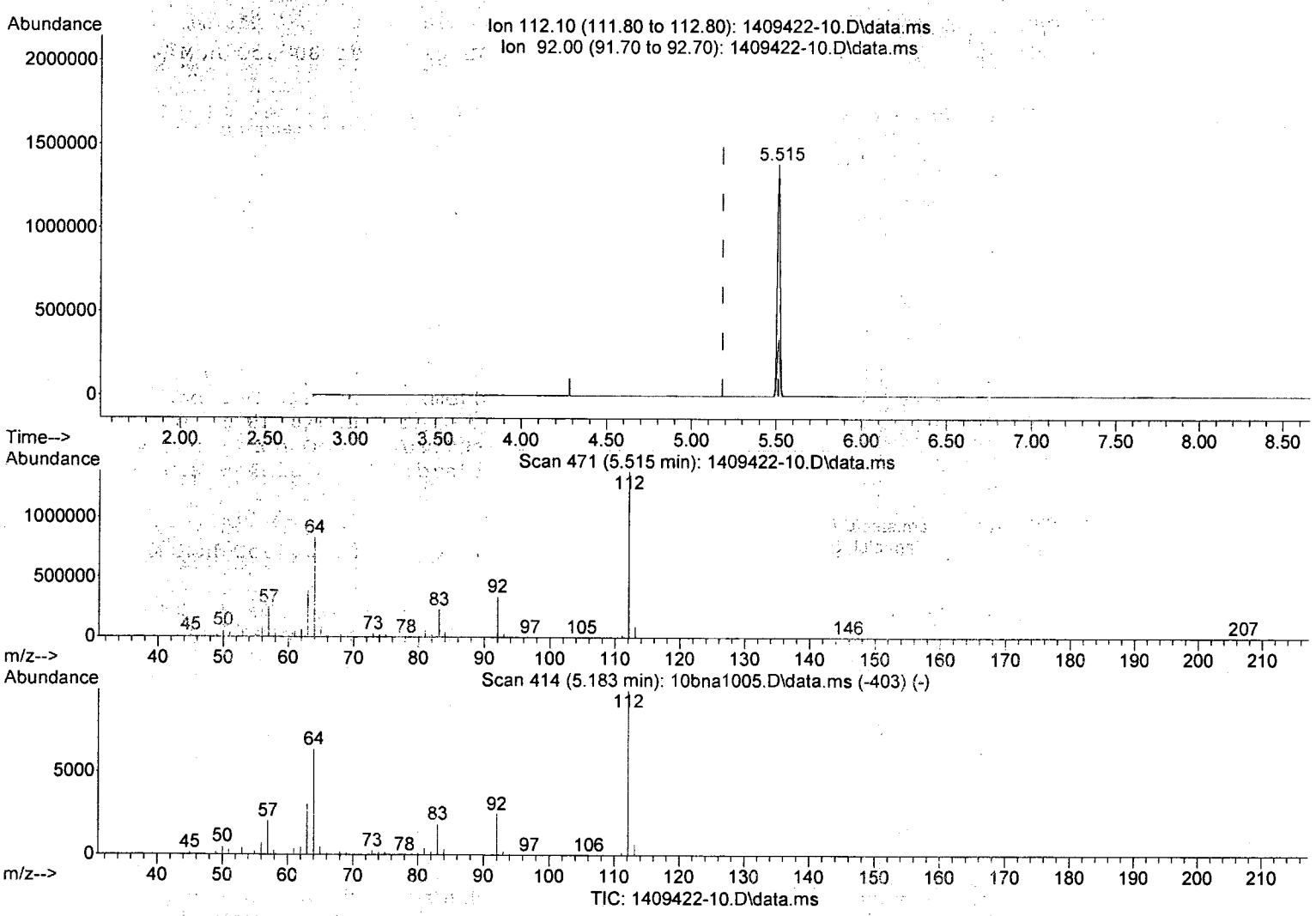
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-10.D
Acq On : 5 Oct 2014 21:34
Operator : JLB
Sample : 1409422-10 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 06 10:05:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-10.D\data.ms

(4) 2-Fluorophenol (S)

5.515min (+ 0.332) 15.54 ng/uL m

response 1588373

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

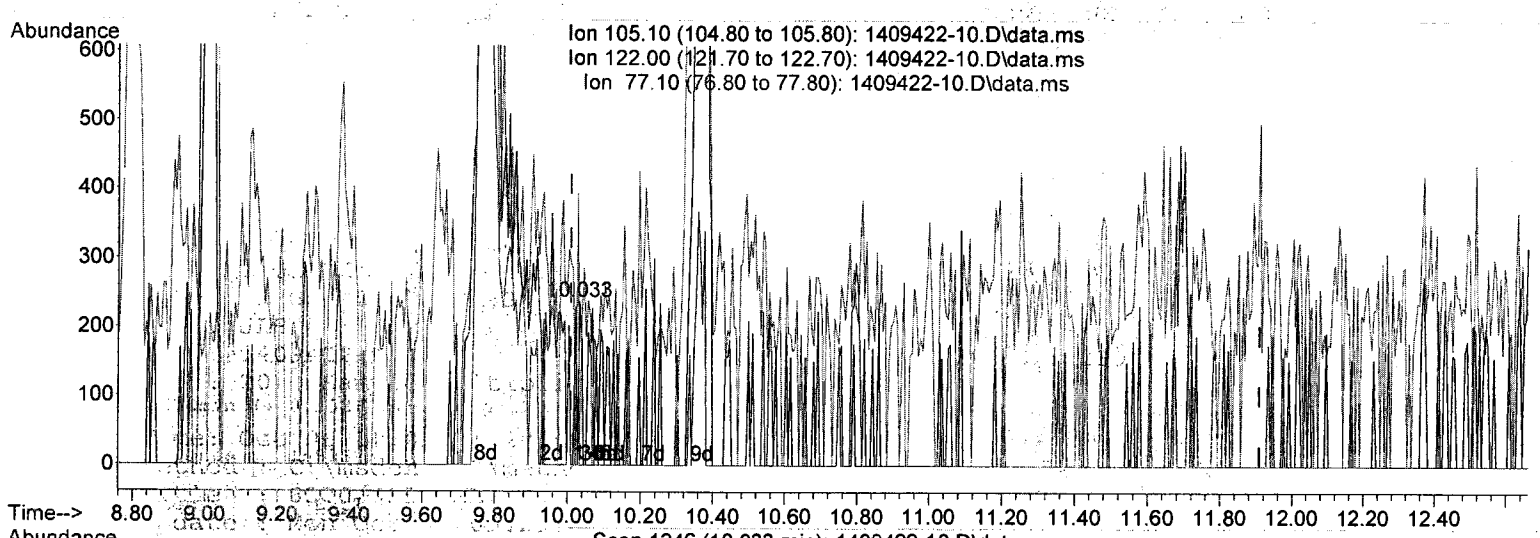
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/7/14
Reviewed By: RSC Date: 10/9/14

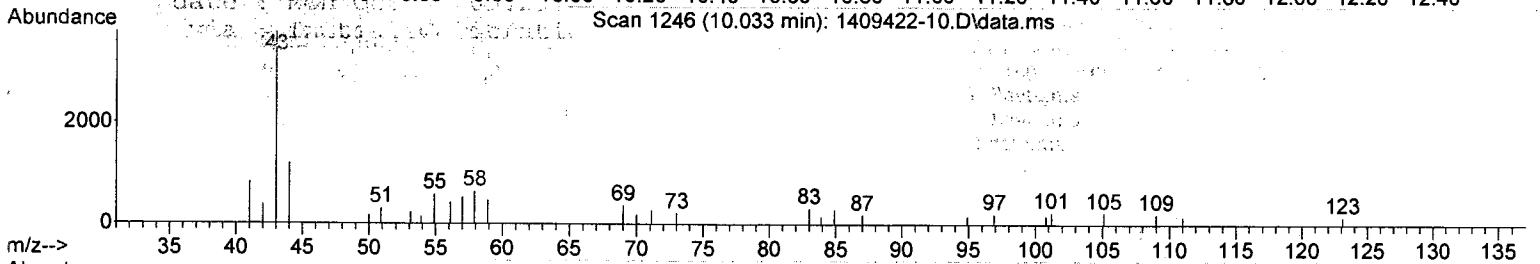
002228

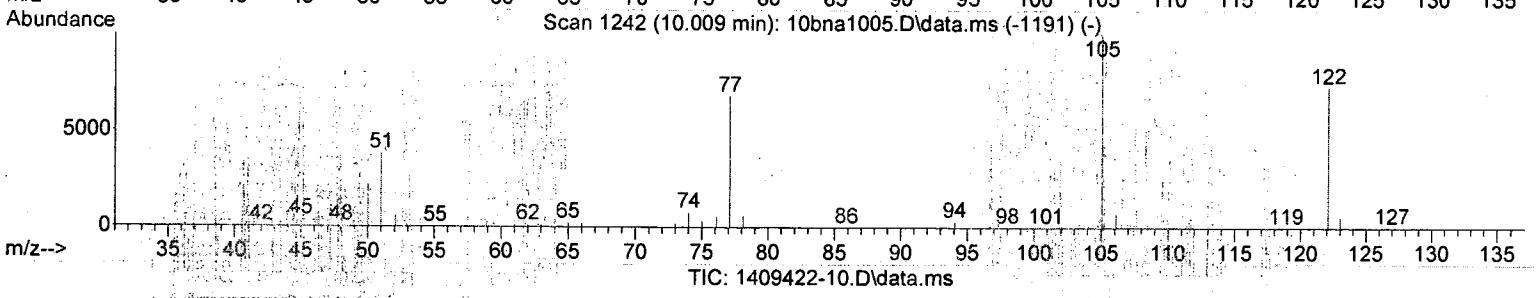
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-10.D
Acq On : 5 Oct 2014 21:34
Operator : JLB
Sample : 1409422-10 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 06 10:05:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-10.D\data.ms

(30) Benzoic Acid

10.033min (+ 0.023) 2.46 ng/uL

response 226

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	60.62
0.00	0.00	0.00

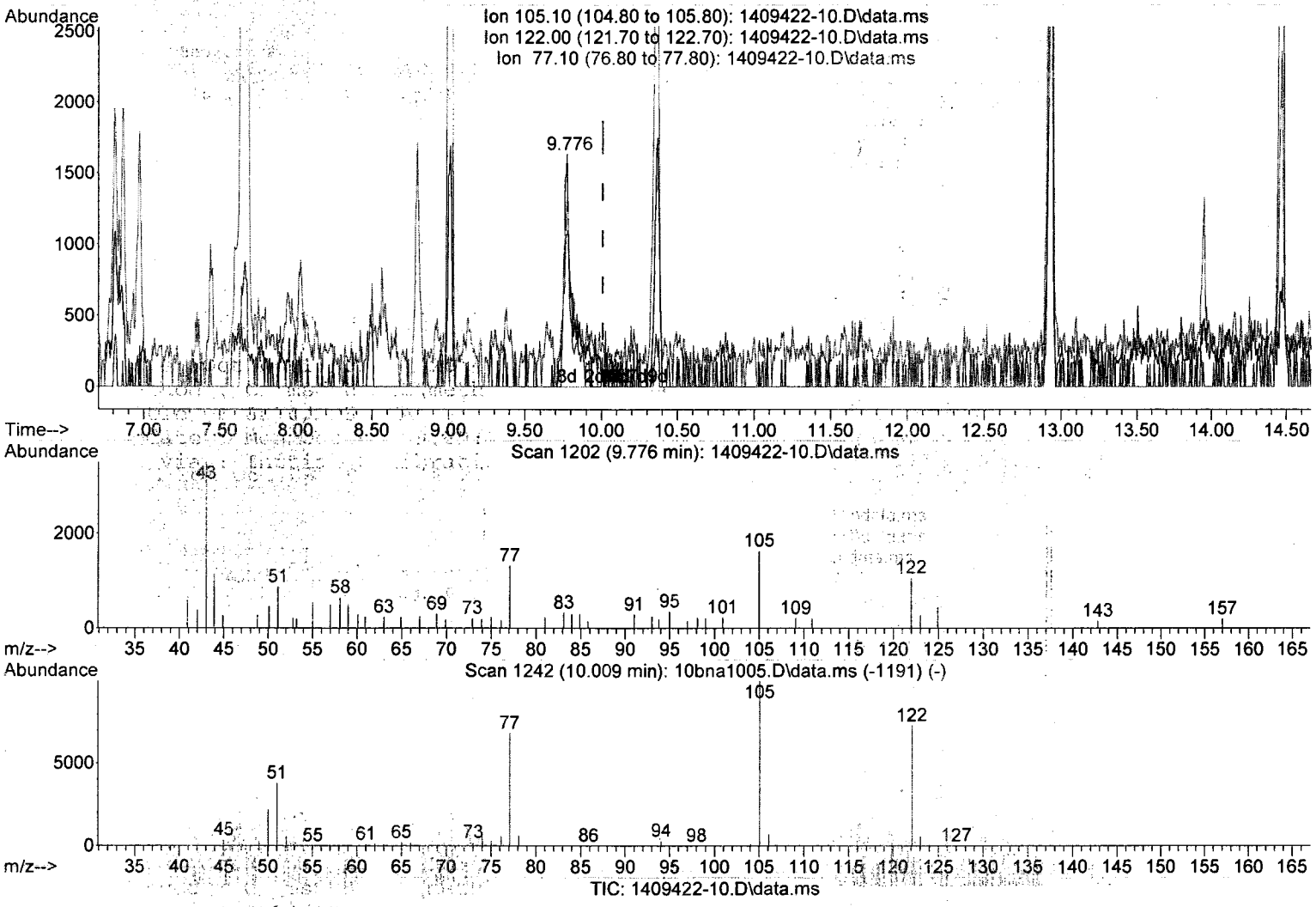
JWS 10/7/14

002229

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-10.D
Acq On : 5 Oct 2014 21:34
Operator : JLB
Sample : 1409422-10 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 06 10:05:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-10.D\data.ms

(30) Benzoic Acid

9.776min (-0.233) 2.53 ng/uL m

response 6838

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	2.00#
0.00	0.00	0.00

Manual Integration Explanation

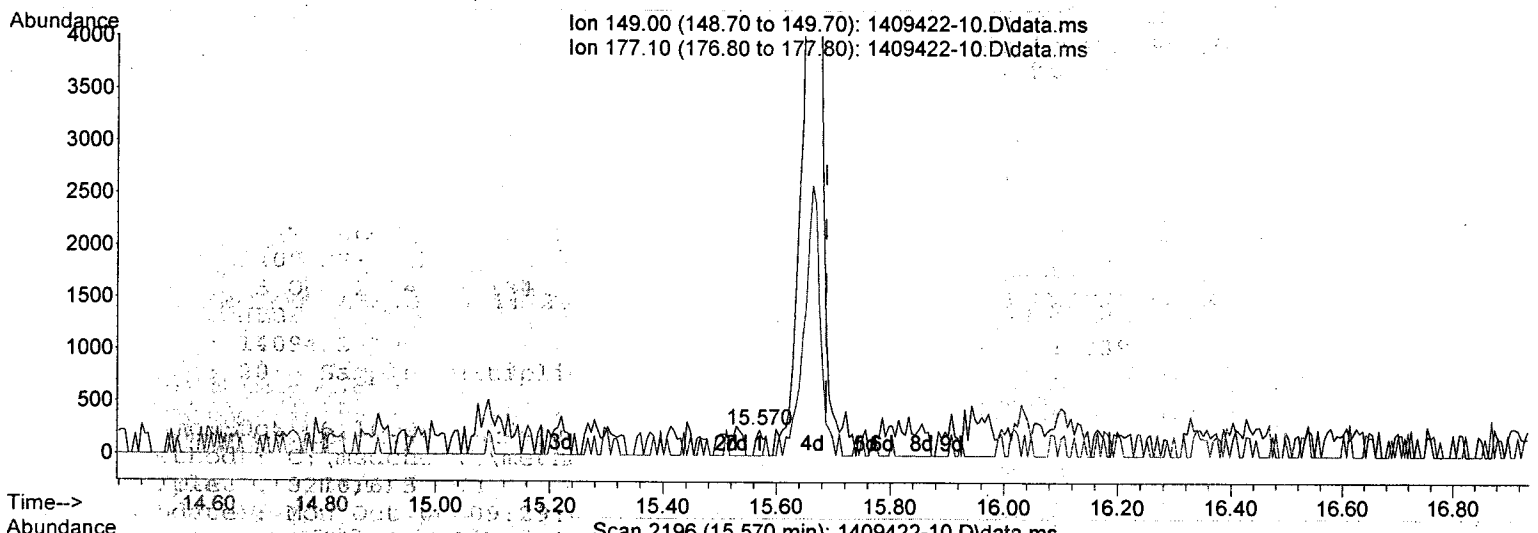
Reason 1: Incorrect peak integrated by the software.

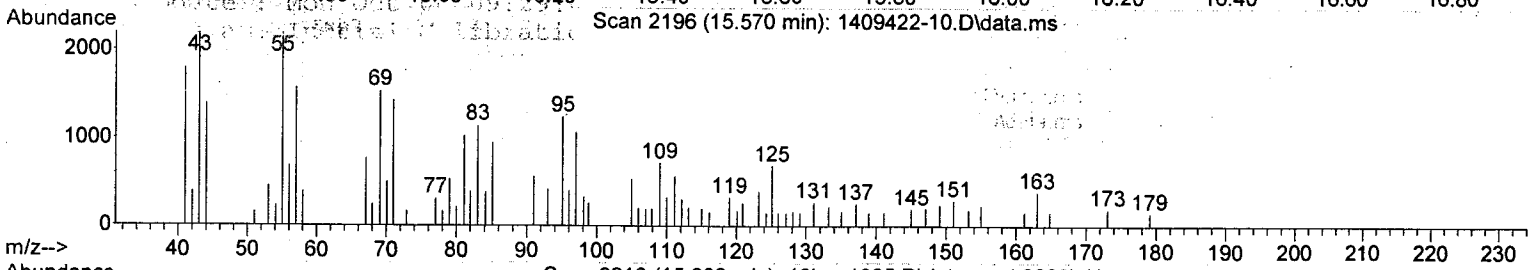
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/7/14
Reviewed By: ASC Date: 10/9/14

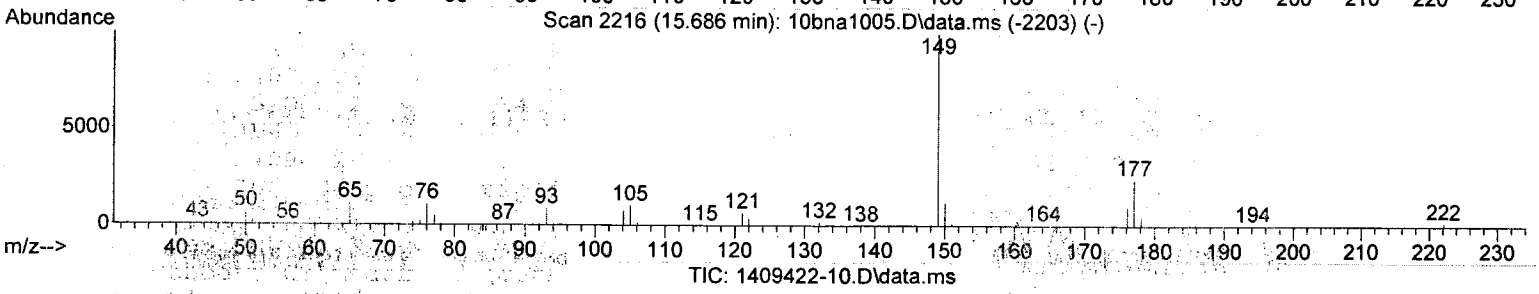
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-10.D
Acq On : 5 Oct 2014 21:34
Operator : JLB
Sample : 1409422-10 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 06 10:05:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-10.D\data.ms

(63) Diethyl Phthalate

15.570min (-0.117) 0.00 ng/uL

response 260

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	25.38
0.00	0.00	0.00
0.00	0.00	0.00

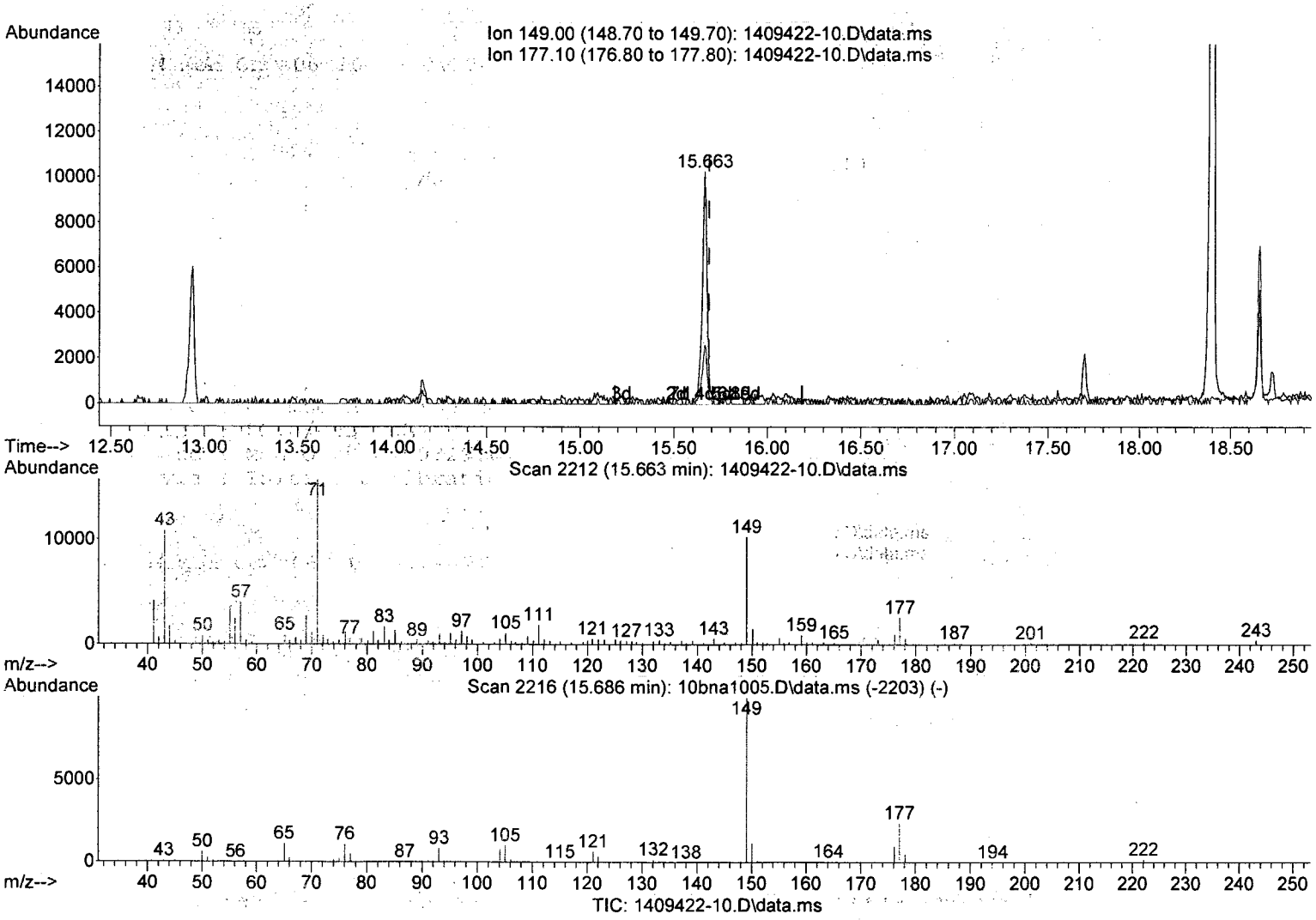
JLB 10/7/14

002231

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-10.D
Acq On : 5 Oct 2014 21:34
Operator : JLB
Sample : 1409422-10 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 06 10:05:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-10.D\data.ms

(63) Diethyl Phthalate

15.663min (-0.023) 0.09 ng/uL m

response 18321

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	0.36#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/7/14

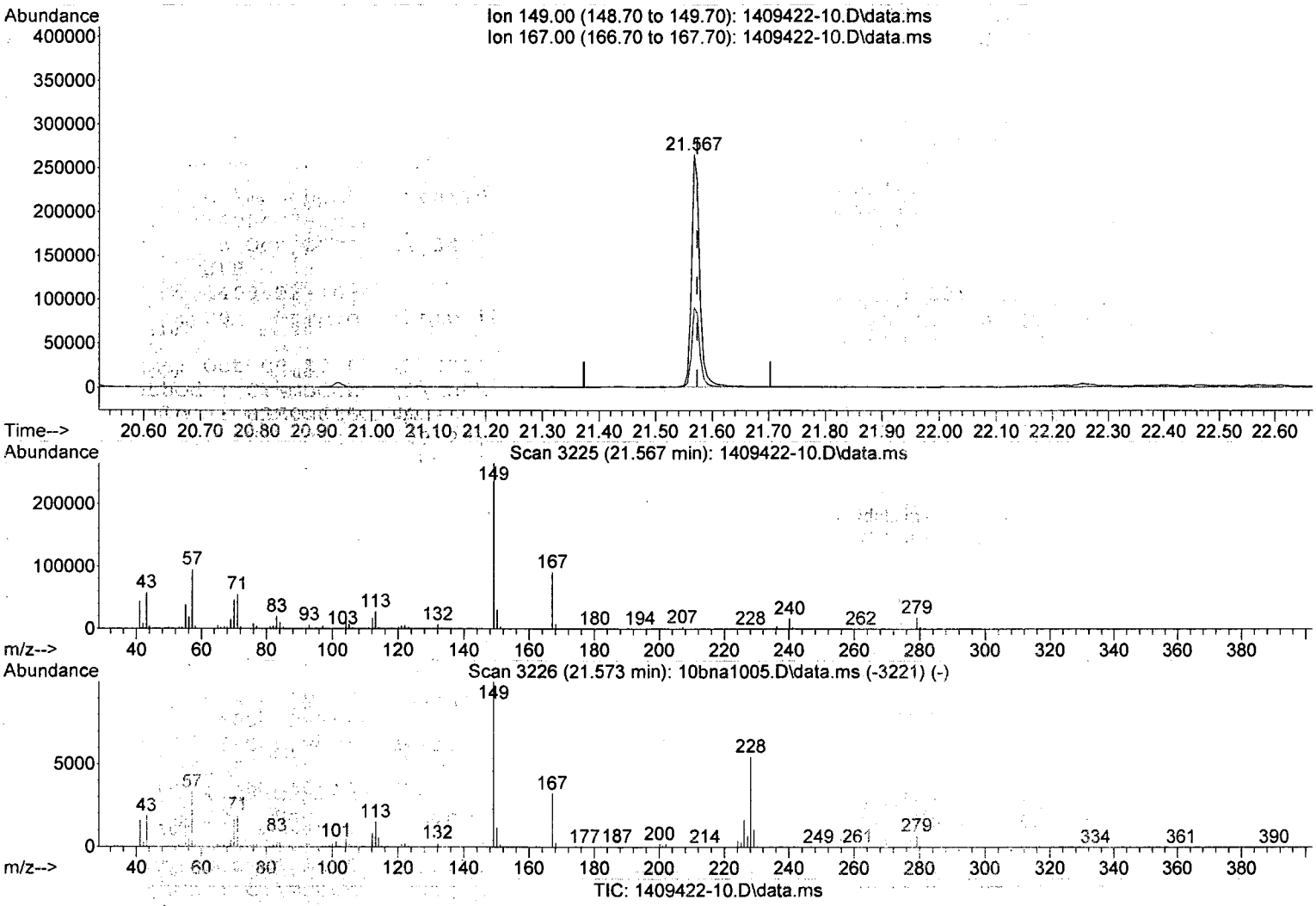
Reviewed By: AFC Date: 10/9/14

CMDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-10.D
Acq On : 5 Oct 2014 21:34
Operator : JLB
Sample : 1409422-10 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 06 10:05:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.567min (-0.006) 1.49 ng/uL

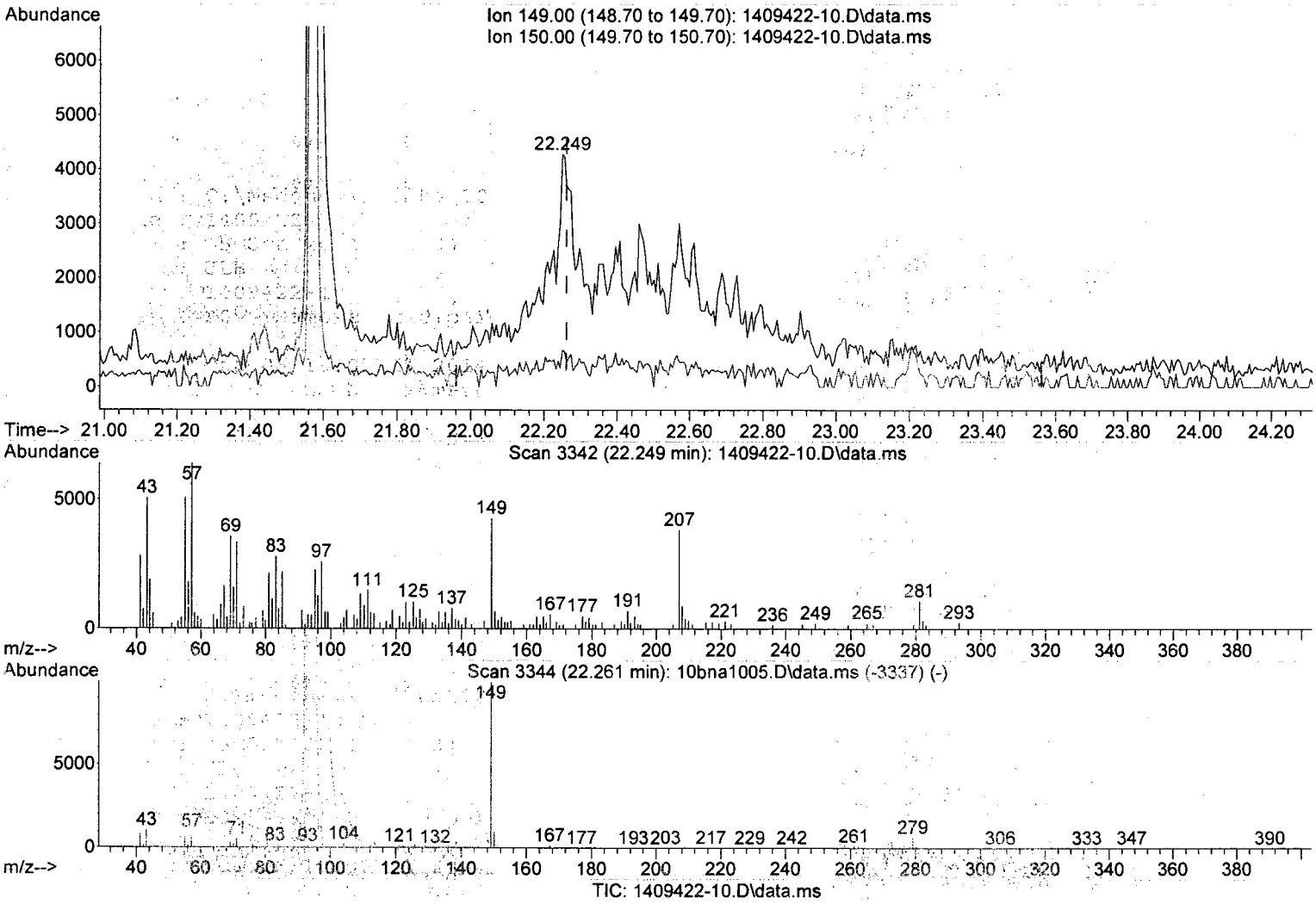
response 271553

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-10.D
Acq On : 5 Oct 2014 21:34
Operator : JLB
Sample : 1409422-10 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 06 10:05:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.249min (-0.012) 0.56 ng/uL

response 73974

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.80#
0.00	0.00	0.00
0.00	0.00	0.00

PP

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB18-05

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-11 File ID: 1409422-11 10x.D

Sampled: 09/23/14 13:30 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 23:32

Solids: 94.10 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	180	49	180	180	U
208-96-8	Acenaphthylene	10	180	44	180	180	U
120-12-7	Anthracene	10	180	43	180	180	U
56-55-3	Benzo(a)anthracene	10	160	29	89	180	J
50-32-8	Benzo(a)pyrene	10	170	24	89	180	J
205-99-2	Benzo(b)fluoranthene	10	280	20	89	180	
207-08-9	Benzo(k)fluoranthene	10	110	21	89	180	J
191-24-2	Benzo(g,h,i)perylene	10	89	20	89	350	J
65-85-0	Benzoic Acid	10	1800	740	1800	3500	U
100-51-6	Benzyl Alcohol	10	180	49	180	180	U
101-55-3	4-Bromophenyl Phenyl Ether	10	180	43	180	180	U
85-68-7	Butyl Benzyl Phthalate	10	180	43	180	350	U
86-74-8	Carbazole	10	180	43	180	1800	U
59-50-7	4-Chloro-3-methylphenol	10	180	53	180	180	U
106-47-8	4-Chloroaniline	10	180	94	180	710	U
111-91-1	Bis(2-chloroethoxy)methane	10	180	43	180	180	U
111-44-4	Bis(2-chloroethyl) Ether	10	180	42	180	180	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	89	39	89	180	U
91-58-7	2-Chloronaphthalene	10	180	52	180	180	U
95-57-8	2-Chlorophenol	10	180	42	180	180	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	180	40	180	180	U
218-01-9	Chrysene	10	170	41	180	180	J
53-70-3	Dibenz(a,h)anthracene	10	89	20	89	350	U
132-64-9	Dibenzofuran	10	180	52	180	180	U
84-74-2	Di-n-butyl Phthalate	10	350	140	350	710	U
106-46-7	1,4-Dichlorobenzene	10	180	51	180	180	U
95-50-1	1,2-Dichlorobenzene	10	180	58	180	180	U
541-73-1	1,3-Dichlorobenzene	10	180	60	180	180	U
91-94-1	3,3´-Dichlorobenzidine	10	7100	3000	7100	8900	U
120-83-2	2,4-Dichlorophenol	10	180	43	180	350	U
84-66-2	Diethyl Phthalate	10	180	51	180	180	U
105-67-9	2,4-Dimethylphenol	10	1400	390	1400	1800	U
131-11-3	Dimethyl Phthalate	10	180	50	180	180	U
534-52-1	4,6-Dinitro-2-methylphenol	10	710	230	710	1800	U
51-28-5	2,4-Dinitrophenol	10	1800	590	1800	1800	U
606-20-2	2,6-Dinitrotoluene	10	89	43	89	180	U
121-14-2	2,4-Dinitrotoluene	10	89	35	89	350	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB18-05

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409422-11 File ID: 1409422-11 10x.D

Sampled: 09/23/14 13:30 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 23:32

Solids: 94.10 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	180	41	180	180	U
122-66-7	1,2-Diphenylhydrazine	10	89	36	89	180	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	180	120	180	350	U
206-44-0	Fluoranthene	10	310	48	180	180	
86-73-7	Fluorene	10	180	43	180	350	U
118-74-1	Hexachlorobenzene	10	180	50	180	180	U
87-68-3	Hexachlorobutadiene	10	180	49	180	180	U
67-72-1	Hexachloroethane	10	180	53	180	180	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	70	28	89	350	J
78-59-1	Isophorone	10	180	41	180	180	U
91-57-6	2-Methylnaphthalene	10	180	48	180	180	U
108-39-4	3+4-Methylphenol	10	89	39	89	180	U
95-48-7	2-Methylphenol	10	89	38	89	180	U
91-20-3	Naphthalene	10	180	60	180	180	U
100-01-6	4-Nitroaniline	10	710	260	710	3500	U
88-74-4	2-Nitroaniline	10	89	38	89	180	U
99-09-2	3-Nitroaniline	10	350	170	350	3500	U
98-95-3	Nitrobenzene	10	180	49	180	180	U
88-75-5	2-Nitrophenol	10	180	48	180	180	U
100-02-7	4-Nitrophenol	10	3500	1100	3500	7100	U
62-75-9	N-Nitroso-dimethylamine	10	71	35	71	350	U
86-30-6	N-Nitroso-diphenylamine	10	89	37	89	180	U
621-64-7	N-Nitroso-di-n-propylamine	10	180	43	180	180	U
87-86-5	Pentachlorophenol	10	180	140	180	1800	U
85-01-8	Phenanthrene	10	110	43	180	180	J
108-95-2	Phenol	10	180	41	180	1800	U
129-00-0	Pyrene	10	360	46	180	180	
120-82-1	1,2,4-Trichlorobenzene	10	180	47	180	180	U
95-95-4	2,4,5-Trichlorophenol	10	180	48	180	180	U
88-06-2	2,4,6-Trichlorophenol	10	89	27	89	180	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	741	567	76	33 - 113	D
Phenol-d6	741	574	78	30 - 115	D
Nitrobenzene-d5	370	259	70	33 - 131	D
2-Fluorobiphenyl	370	307	83	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB18-05

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409422-11
File ID: 1409422-11 10x.D
Sampled: 09/23/14 13:30
Prepared: 09/30/14 07:32
Analyzed: 10/07/14 23:32
Solids: 94.10
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	741	437	59	12 - 124	D
o-Terphenyl	370	318	86	20 - 155	D

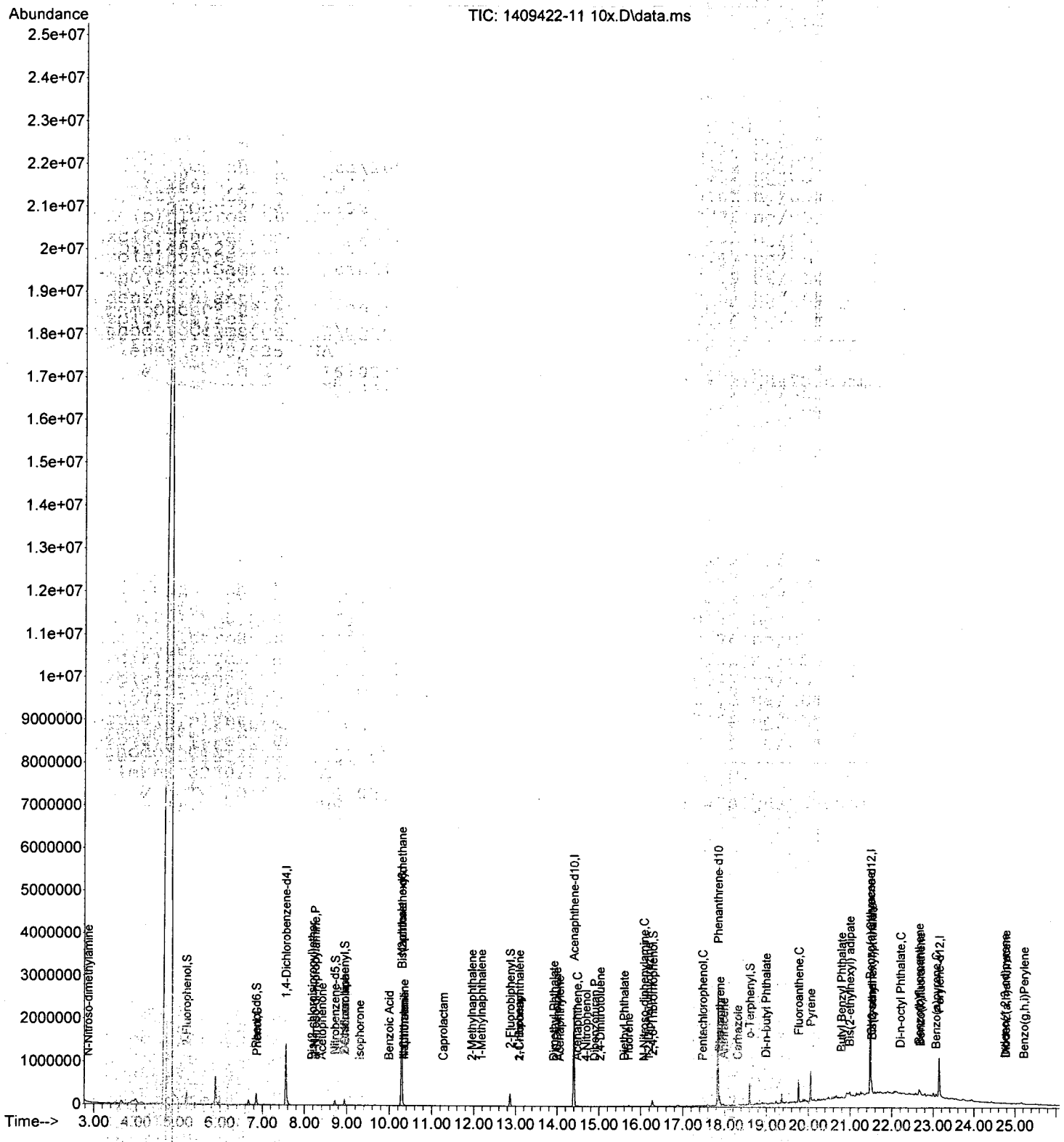
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	428375	7.561	403279	7.614	
Naphthalene-d8	1681178	10.289	1529030	10.359	
Acenaphthene-d10	986204	14.398	866604	14.474	
Phenanthrene-d10	1626255	17.837	1400442	17.901	
Chrysene-d12	1262895	21.486	1153654	21.538	
Perylene-d12	537696	23.141	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst. : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:09:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:09:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.561	152	428375	5.00	ng/uL	# 0.01
20) Naphthalene-d8	10.289	136	1681178	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	986204	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.837	188	1626255	5.00	ng/uL	0.00
81) Chrysene-d12	21.486	240	1262895	5.00	ng/uL	# 0.00
89) Perylene-d12	23.141	264	537696	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.201	112	149268	1.53	ng/uL	0.06
6) Phenol-d6	6.856	99	195835	1.55	ng/uL	0.00
21) Nitrobenzene-d5	8.715	82	75357	0.70	ng/uL	-0.01
23) Decafluorobiphenyl	8.943	334	59784	0.79	ng/uL	0.00
47) 2-Fluorobiphenyl	12.865	172	169917	0.83	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	29183	1.18	ng/uL	-0.01
78) o-Terphenyl	18.601	230	120380	0.86	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.863	74	210	0.00	ng/uL#	1
3) Pyridine	0.000		0	N.D.		
5) Aniline	0.000		0	N.D.		
7) Phenol	6.873	94	513	0.00	ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.179	45	142	0.00	ng/uL#	51
14) Benzyl Alcohol	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
16) Acetophenone	8.406	105	770	0.00	ng/uL#	82
17) Hexachloroethane	0.000		0	N.D.		
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.249	70	184	0.00	ng/uL#	1
22) Nitrobenzene	8.715	77	384	0.00	ng/uL#	1
24) Isophorone	9.298	82	281	0.00	ng/uL#	58
25) 2-Chloroaniline	8.948	127	824	0.01	ng/uL#	60
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	10.295	93	808	0.01	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.992	105	128	2.46	ng/uL#	11
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.341	128	2337	0.01	ng/uL#	1
33) 4-Chloroaniline	10.341	127	172	0.00	ng/uL#	84
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.274	55	5683	0.12	ng/uL#	23
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 2-Methylnaphthalene	11.956	142	1427	0.01	ng/uL	95
40) 1-Methylnaphthalene	12.177	142	1022	0.01	ng/uL	96
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

002239

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:09:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.087	162	139	0.00	ng/uL#	35
49) 1,1'-Biphenyl	13.081	154	713	0.00	ng/uL	95
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.054	152	1394	0.00	ng/uL#	65
52) 2,6-Dinitrotoluene	13.990	165	314	0.01	ng/uL#	31
53) Dimethyl Phthalate	13.914	163	195	0.00	ng/uL#	53
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.474	153	5624	0.03	ng/uL	96
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.894	168	2750	0.01	ng/uL	98
58) 4-Nitrophenol	14.690	65	110	0.00	ng/uL#	1
59) 2,4-Dinitrotoluene	15.022	165	117	0.00	ng/uL#	17
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.704	166	4701	0.02	ng/uL#	90
63) Diethyl Phthalate	15.599	149	4061	0.02	ng/uL	95
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.		
65) 4-Nitroaniline	0.000		0	N.D.		
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
68) N-Nitroso-diphenylamine	16.077	169	338	0.00	ng/uL#	43
69) 1,2-Diphenylhydrazine	16.182	182	417	0.01	ng/uL	95
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	17.470	266	60	0.00	ng/uL#	1
75) Phenanthrene	17.878	178	97501	0.31	ng/uL	100
76) Anthracene	17.977	178	19411	0.06	ng/uL#	83
77) Carbazole	18.309	167	8118	0.03	ng/uL#	87
79) Di-n-butyl Phthalate	18.985	149	9768	0.03	ng/uL#	88
80) Fluoroanthene	19.766	202	256810	0.85	ng/uL	94
82) Pyrene	20.058	202	292005	0.97	ng/uL	100
83) Butyl Benzyl Phthalate	20.786	149	302	0.00	ng/uL	96
84) Bis(2-ethylhexyl) adipate	20.990	129	15113	0.20	ng/uL#	100
85) Benzo(a)anthracene	21.474	228	98426	0.43	ng/uL#	90
86) Chrysene	21.509	228	105686	0.47	ng/uL	93
87) Bis(2-ethylhexyl)phtha...	21.521	149	32888	0.22	ng/uL	92
88) Di-n-octyl Phthalate	22.203	149	74495	0.61	ng/uL#	77
90) Benzo(b)fluoroanthene	22.657	252	73990m	0.76	ng/uL	
91) Benzo(k)fluoranthene	22.686	252	34671m	0.31	ng/uL	
92) Benzo(a)pyrene	23.065	252	42985	0.47	ng/uL	95
93) Indeno(1,2,3-cd)pyrene	24.744	276	15155	0.13	ng/uL#	83
94) Dibenz(a,h)anthracene	24.773	278	2701	0.04	ng/uL#	71
95) Benzo(g,h,i)perylene	25.222	276	16191	0.24	ng/uL#	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

002240

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 07:47:40 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

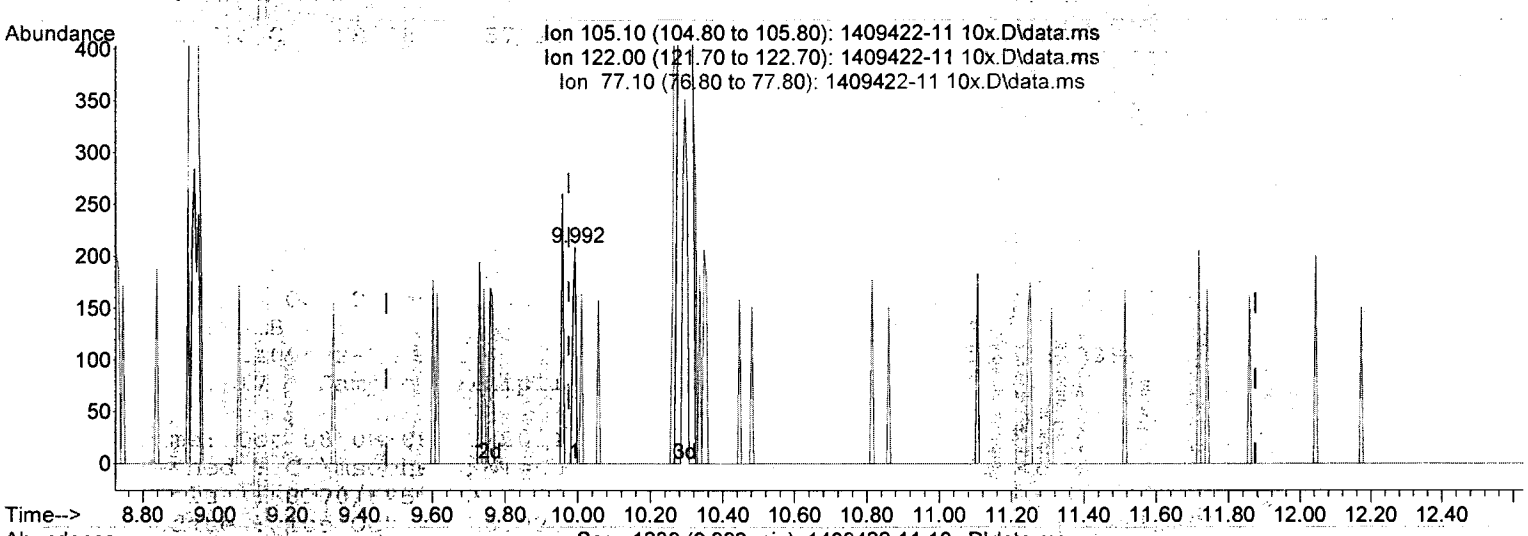
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.561	152	424955	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.289	136	1681178	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.398	164	978272	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.837	188	1629419	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	1262895	5.00	ng/uL	#	0.00
22) Perylene-d12	23.141	264	540673	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.863	74	210	0.00	ng/uL	#	1
3) Pyridine	2.869	79	149	0.00	ng/uL		84
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.716	105	998	0.01	ng/uL	#	1
6) Acetophenone	8.406	105	770	0.00	ng/uL	#	82
7) N-Nitroso-di-n-propyla...	8.249	70	184	0.00	ng/uL	#	1
9) 4-Chloroaniline	10.341	127	172	0.01	ng/uL	#	84
10) Caprolactam	11.251	55	274	0.10	ng/uL	#	21
12) 1,1'-Biphenyl	13.081	154	713	0.00	ng/uL		95
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.943	138	52	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.077	169	338	0.00	ng/uL	#	43
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.959	184	1523	0.42	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.416	252	589	0.01	ng/uL		99

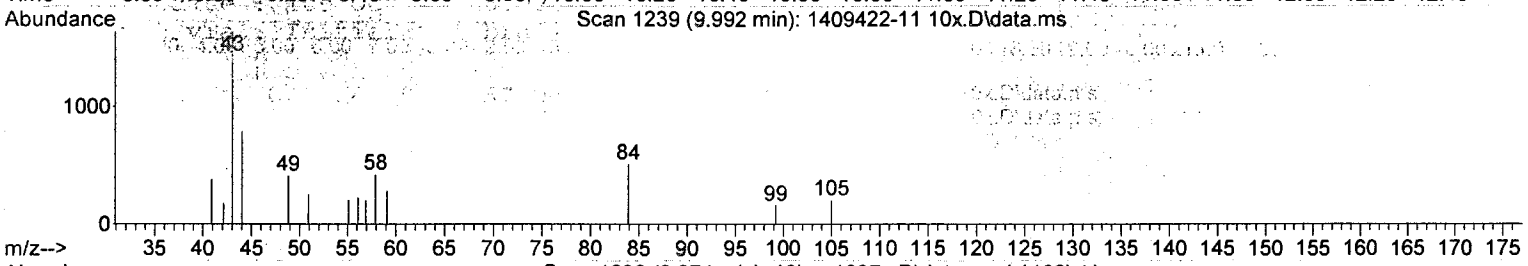
(#) = qualifier out of range (m) = manual integration (+) = signals summed

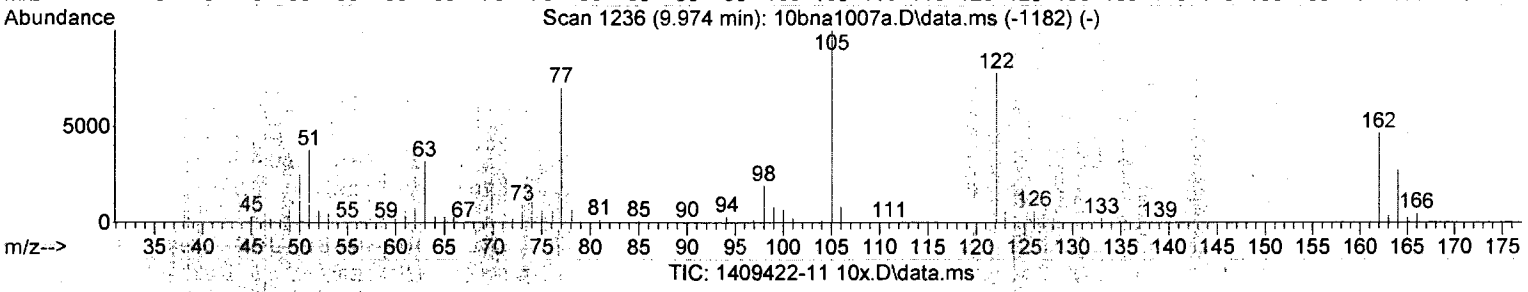
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409422-11 10x.D\data.ms

(30) Benzoic Acid

9.992min (+ 0.017) 2.46 ng/uL

response 128

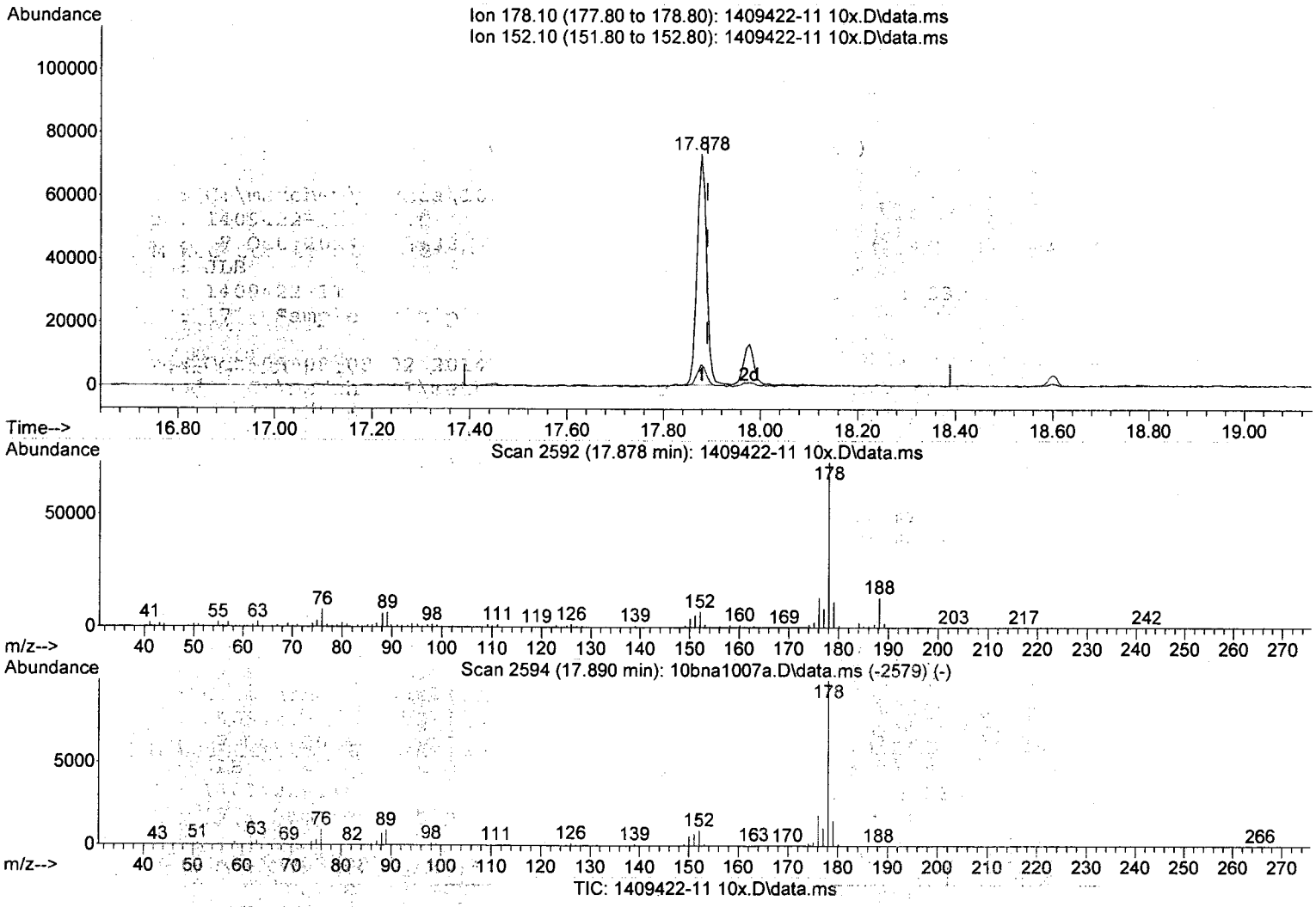
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

RP

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-11 10x.D\data.ms

(75) Phenanthrene

17.878min (-0.012) 0.31 ng/uL

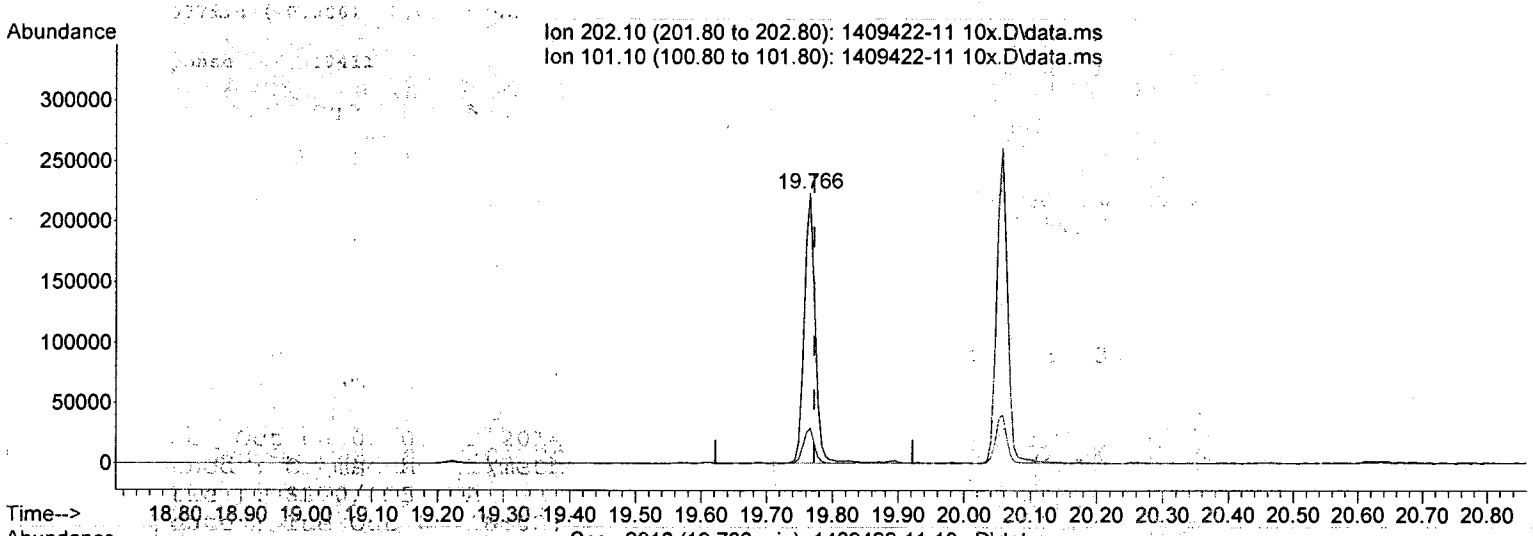
response 97501

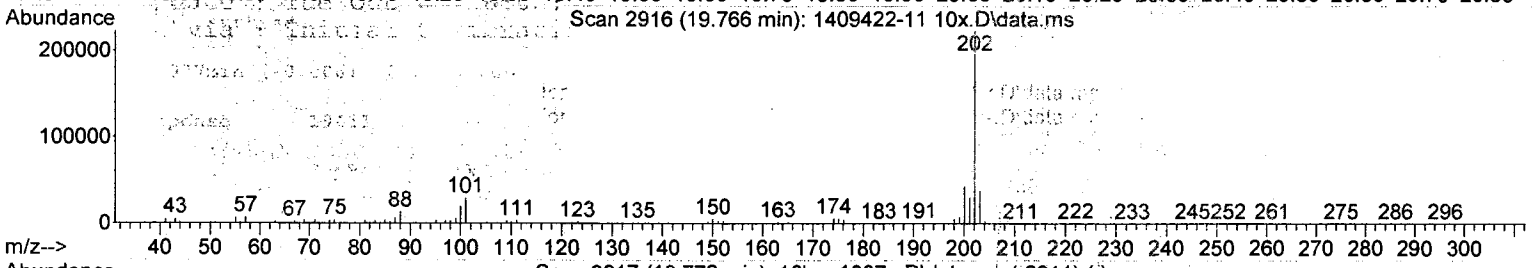
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	10.18
0.00	0.00	0.00
0.00	0.00	0.00

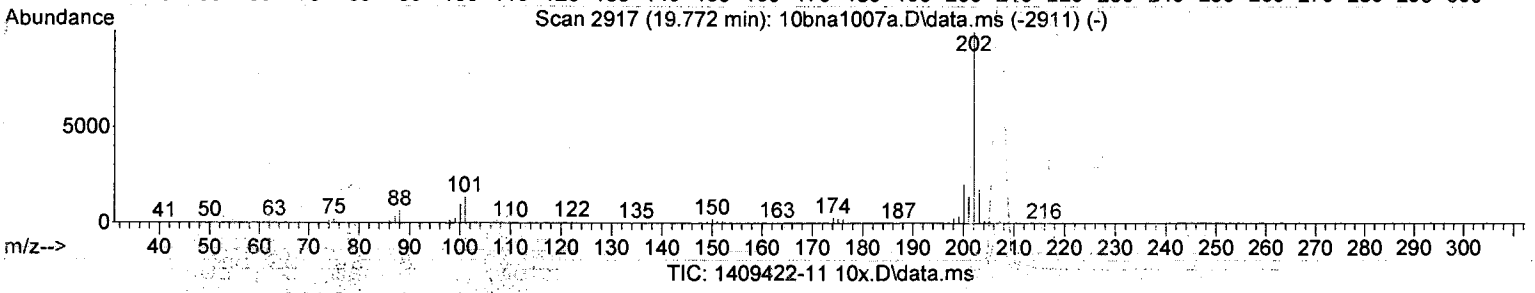
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409422-11 10x.D\data.ms

(80) Fluoranthene (C)

19.766min (-0.006) 0.85 ng/uL

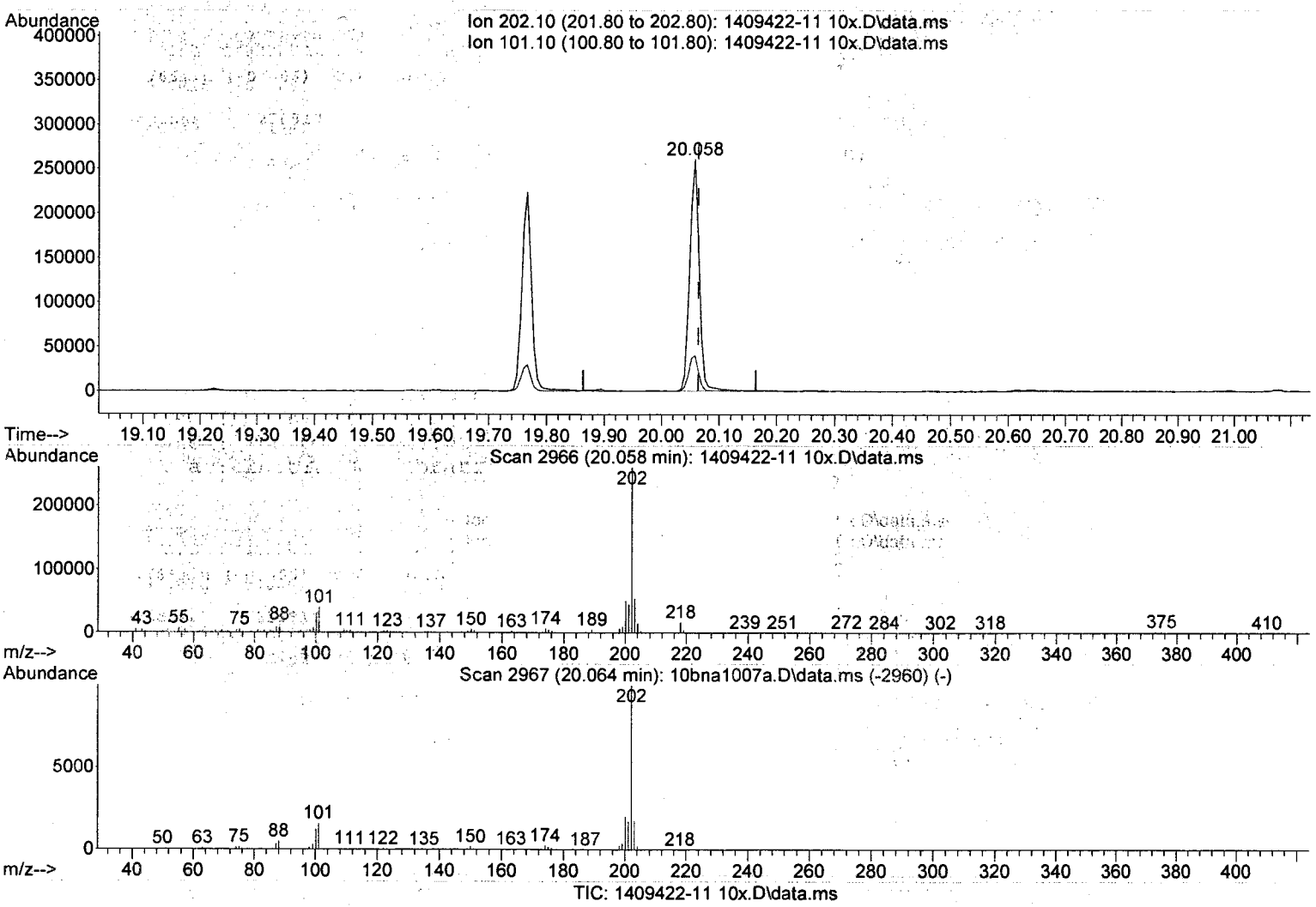
response 256810

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	13.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-11 10x.D\data.ms

(82) Pyrene

20.058min (-0.006) 0.97 ng/uL

response 292005

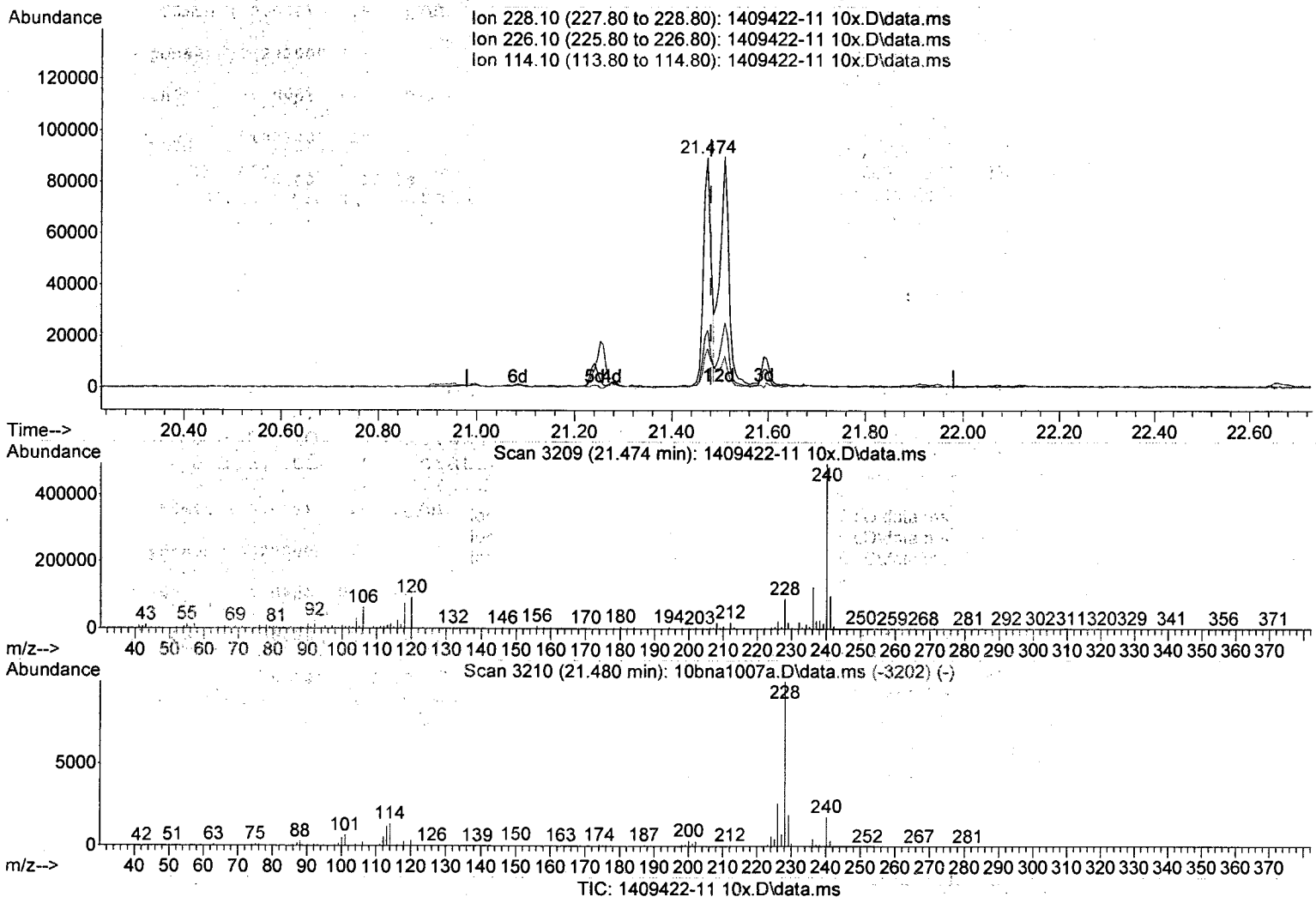
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	16.18
0.00	0.00	0.00
0.00	0.00	0.00

002245

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-11 10x.D\data.ms

(85) Benzo(a)anthracene

21.474min (-0.006) 0.43 ng/uL

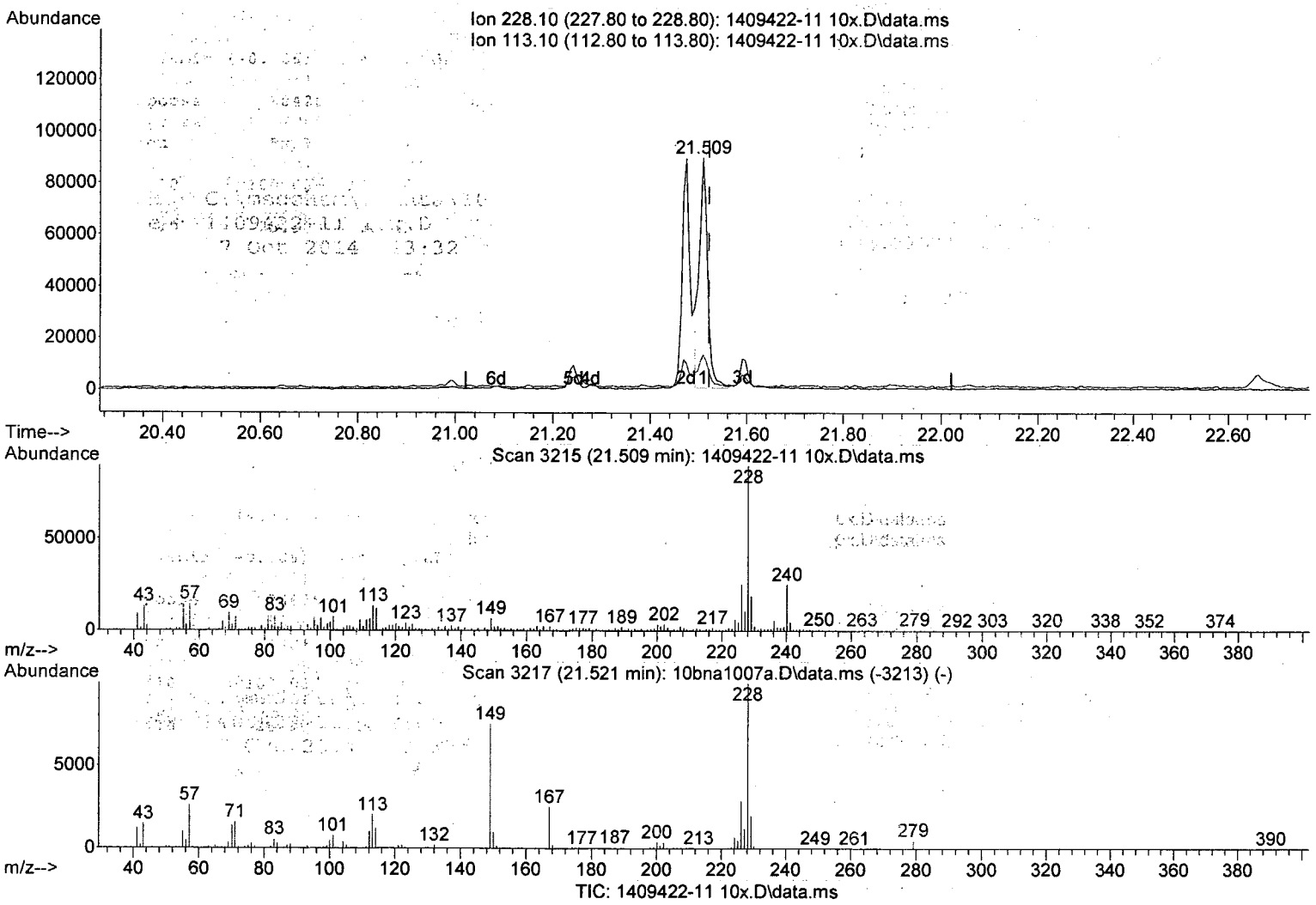
response 98426

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	29.90	26.45
114.10	13.30	23.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(86) Chrysene

21.509min (-0.012) 0.47 ng/uL

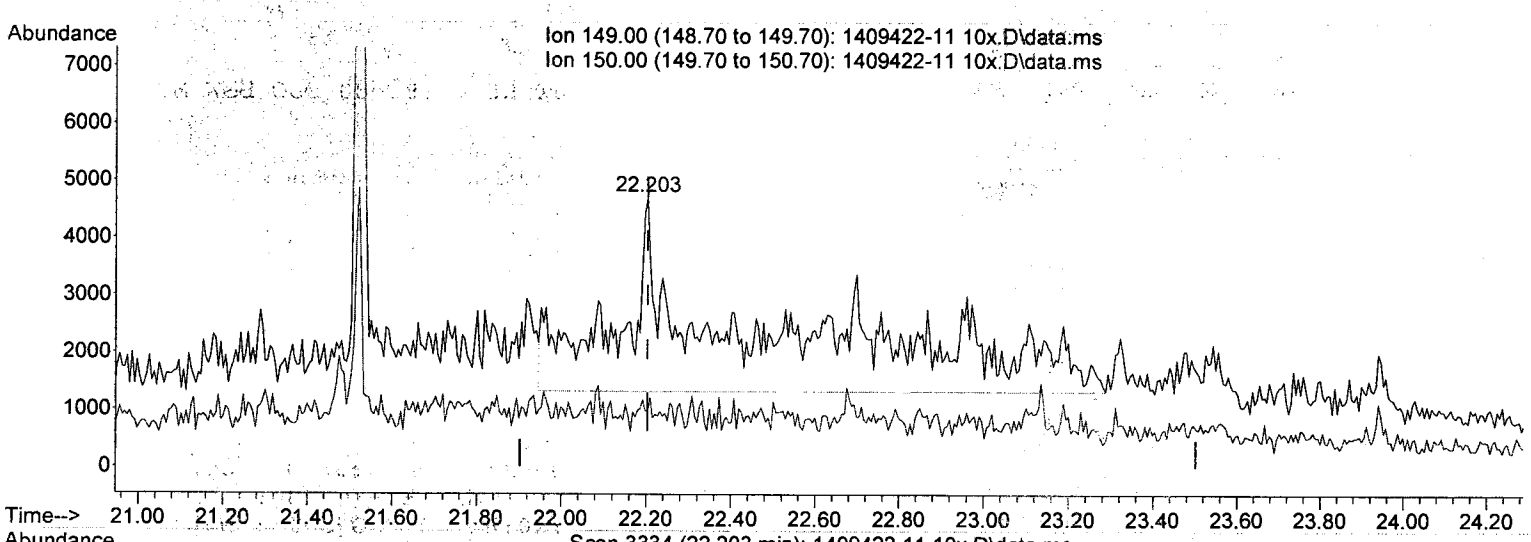
response 105686

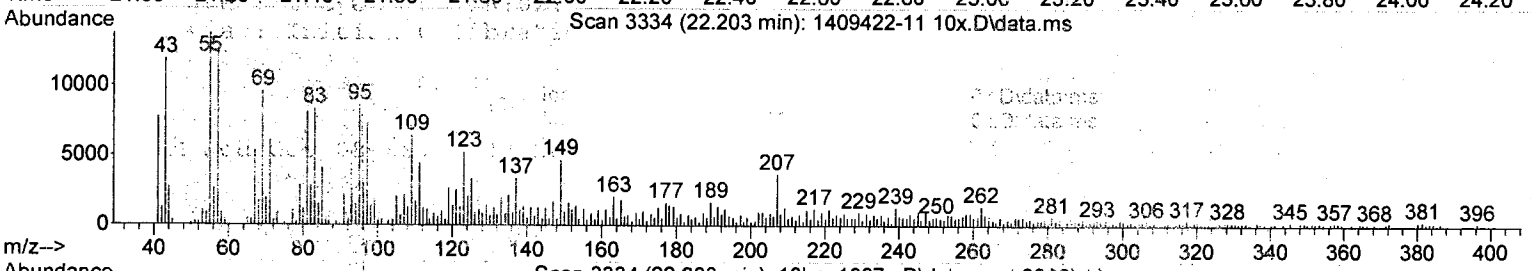
Ion	Exp%	Act%
228.10	100.00	100.00
113.10	15.00	18.96
0.00	0.00	0.00
0.00	0.00	0.00

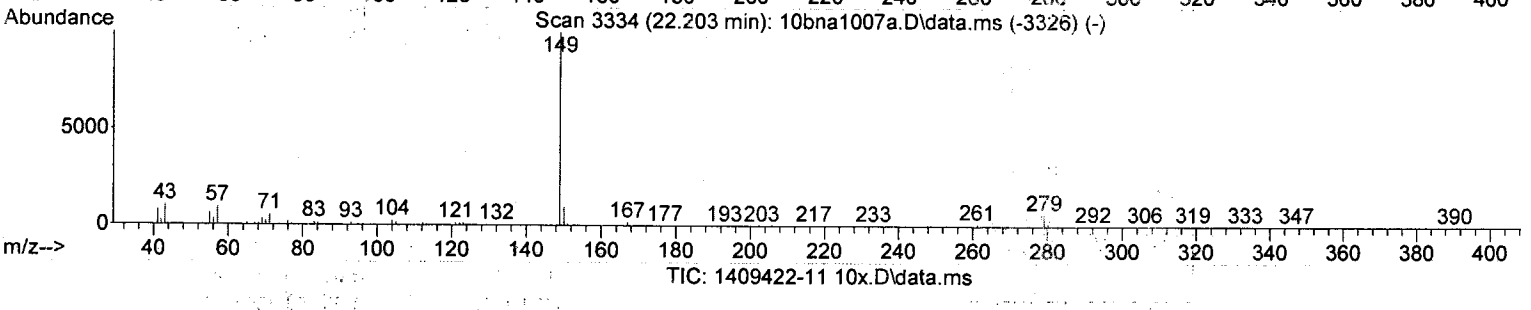
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409422-11 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.203min (-0.000) 0.61 ng/uL

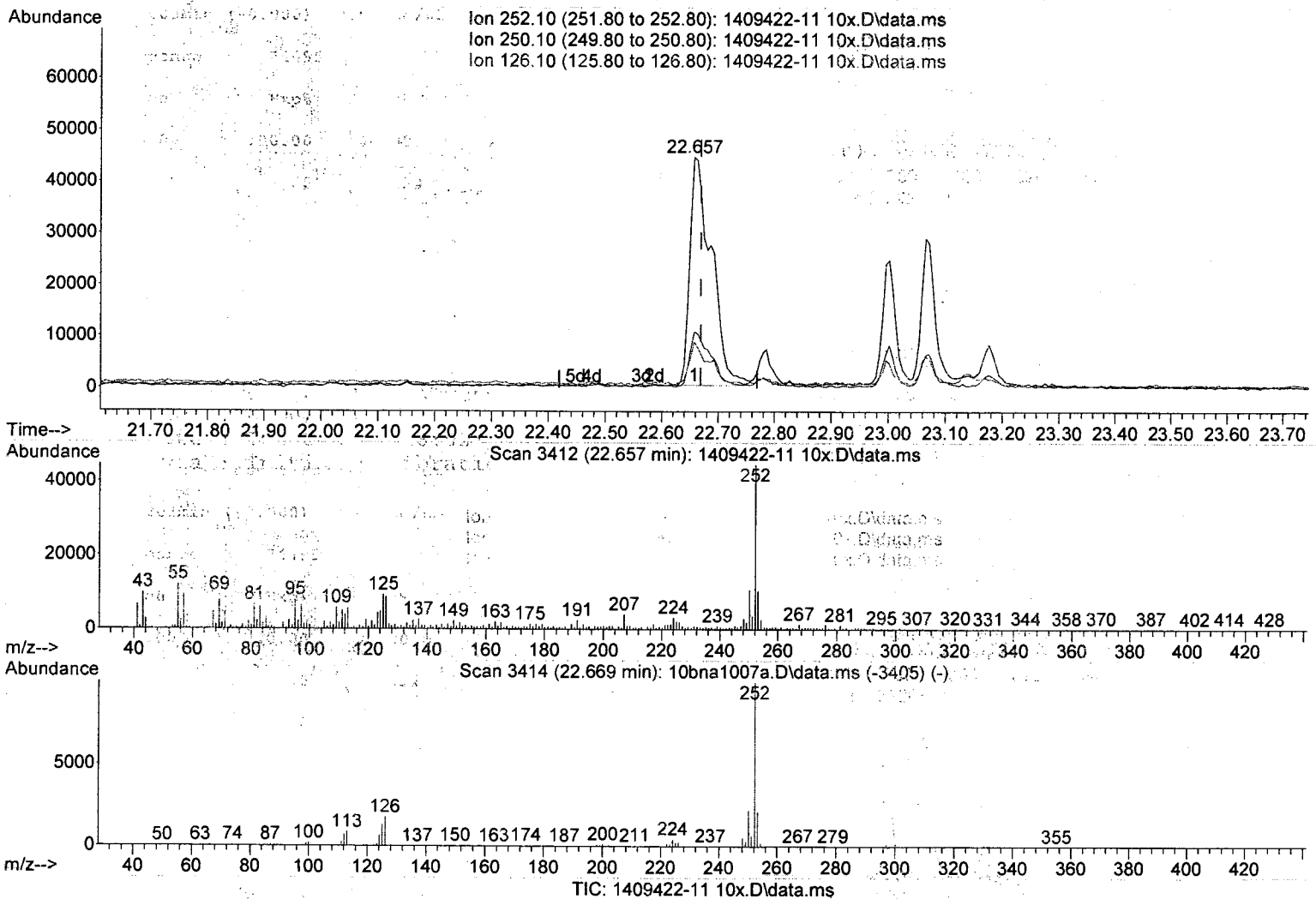
response 74495

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.23#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-11 10x.D\data.ms

(90) Benzo(b)fluoroanthene

22.657min (-0.012) 1.19 ng/uL

response 116129

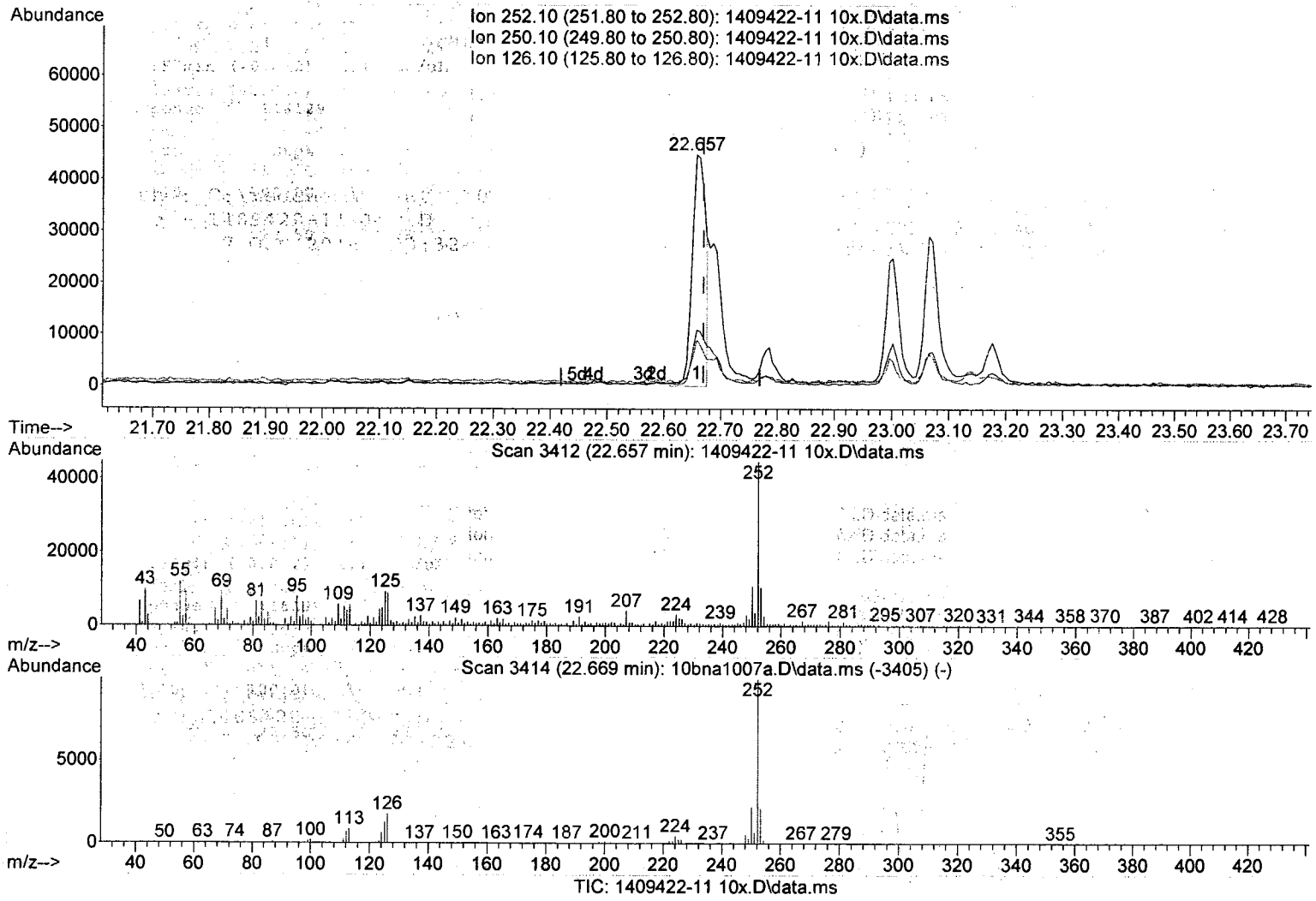
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	23.75
126.10	17.20	16.99
0.00	0.00	0.00

JLB 10/8/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-11 10x.D\data.ms

(90) Benzo(b)fluoroanthene

22.657min (-0.012) 0.76 ng/uL m

response 73990

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	37.28#
126.10	17.20	26.66#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) No

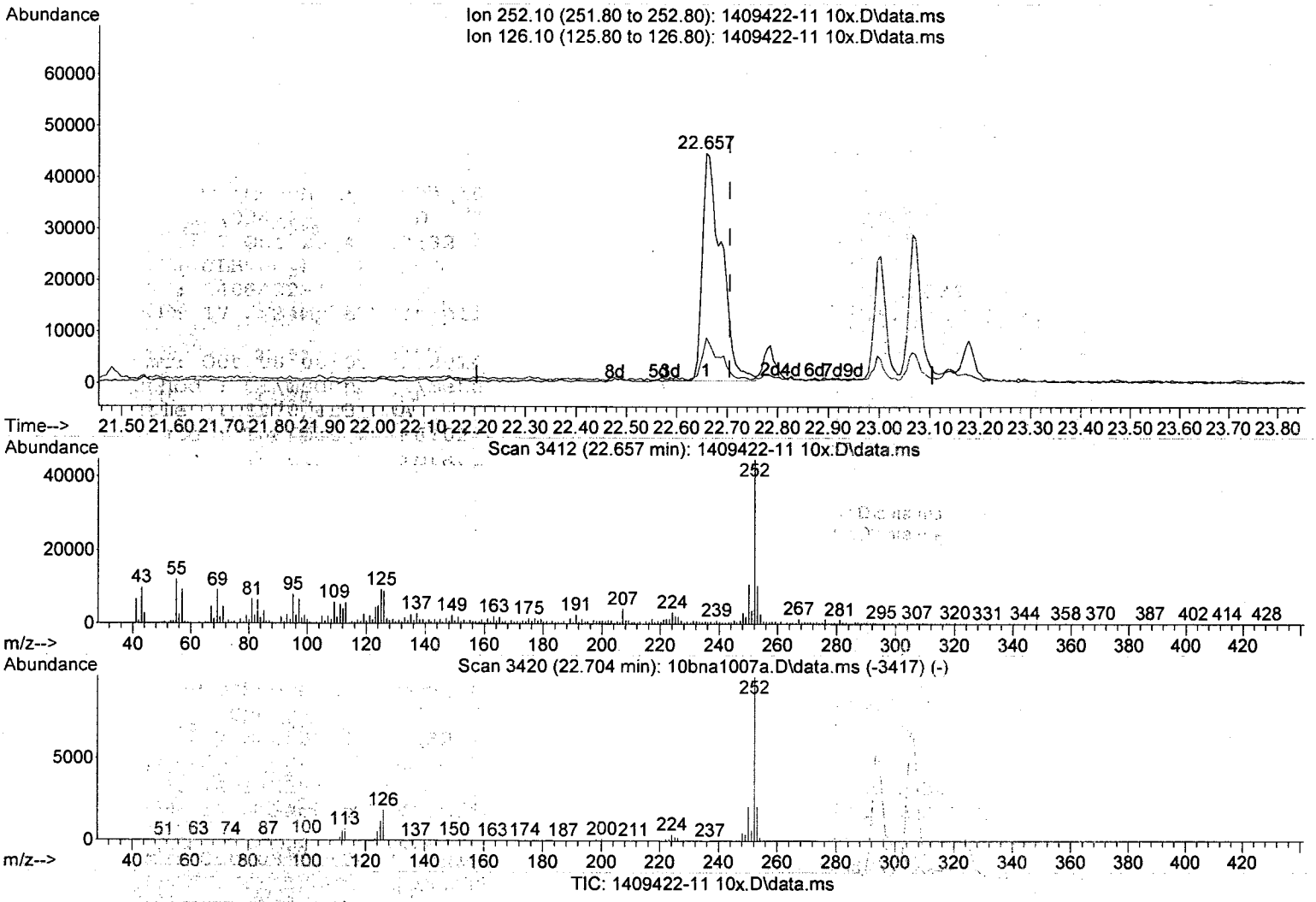
Analyst: JLB Date: 10/8/14

Reviewed By: ASC Date: 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-11 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.657min (-0.047) 1.06 ng/uL

response 116775

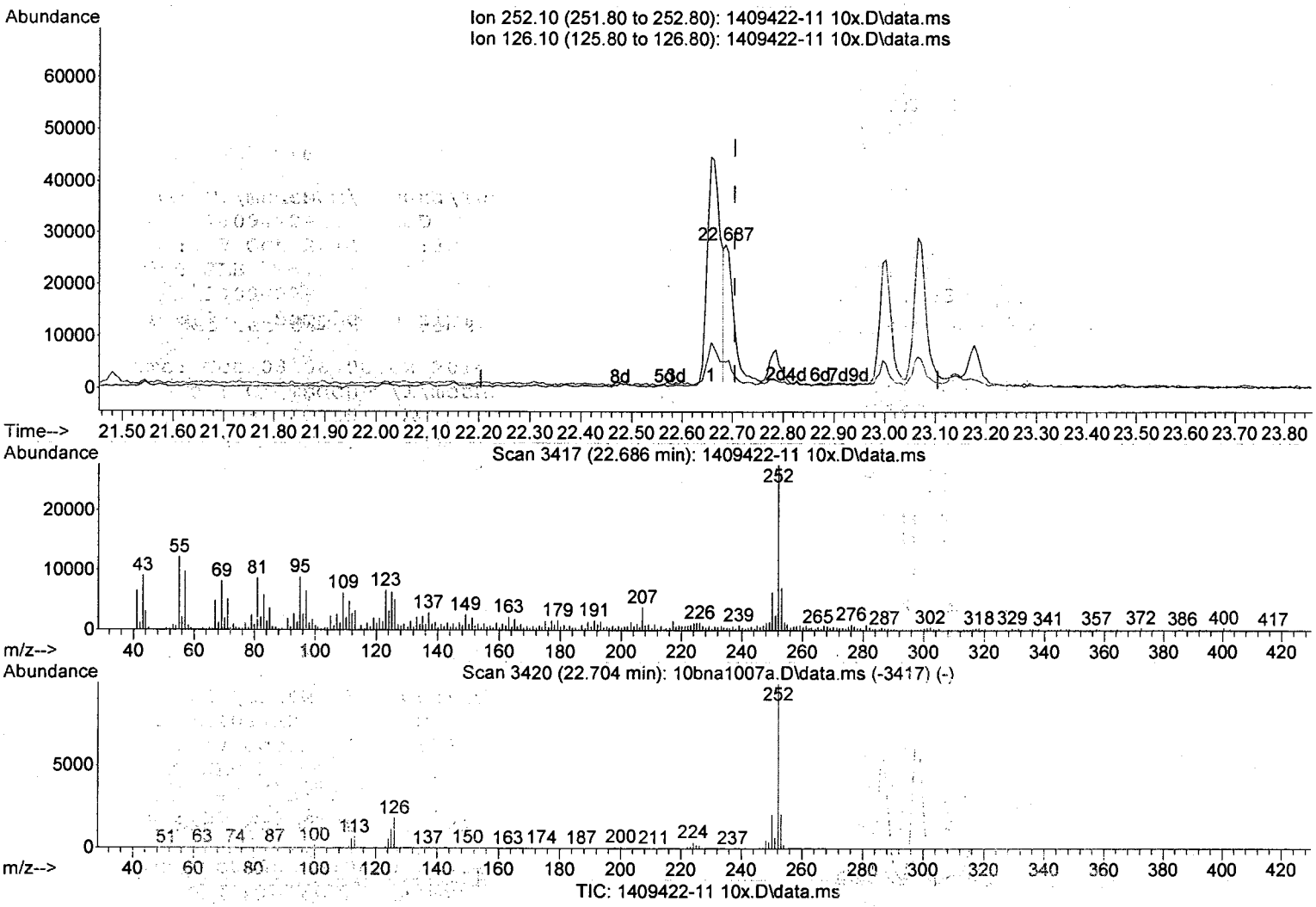
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	16.89
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/8/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-11 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.686min (-0.018) 0.31 ng/uL m

response 34671

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	56.89#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) No

Analyst: JLB Date: 10/8/14

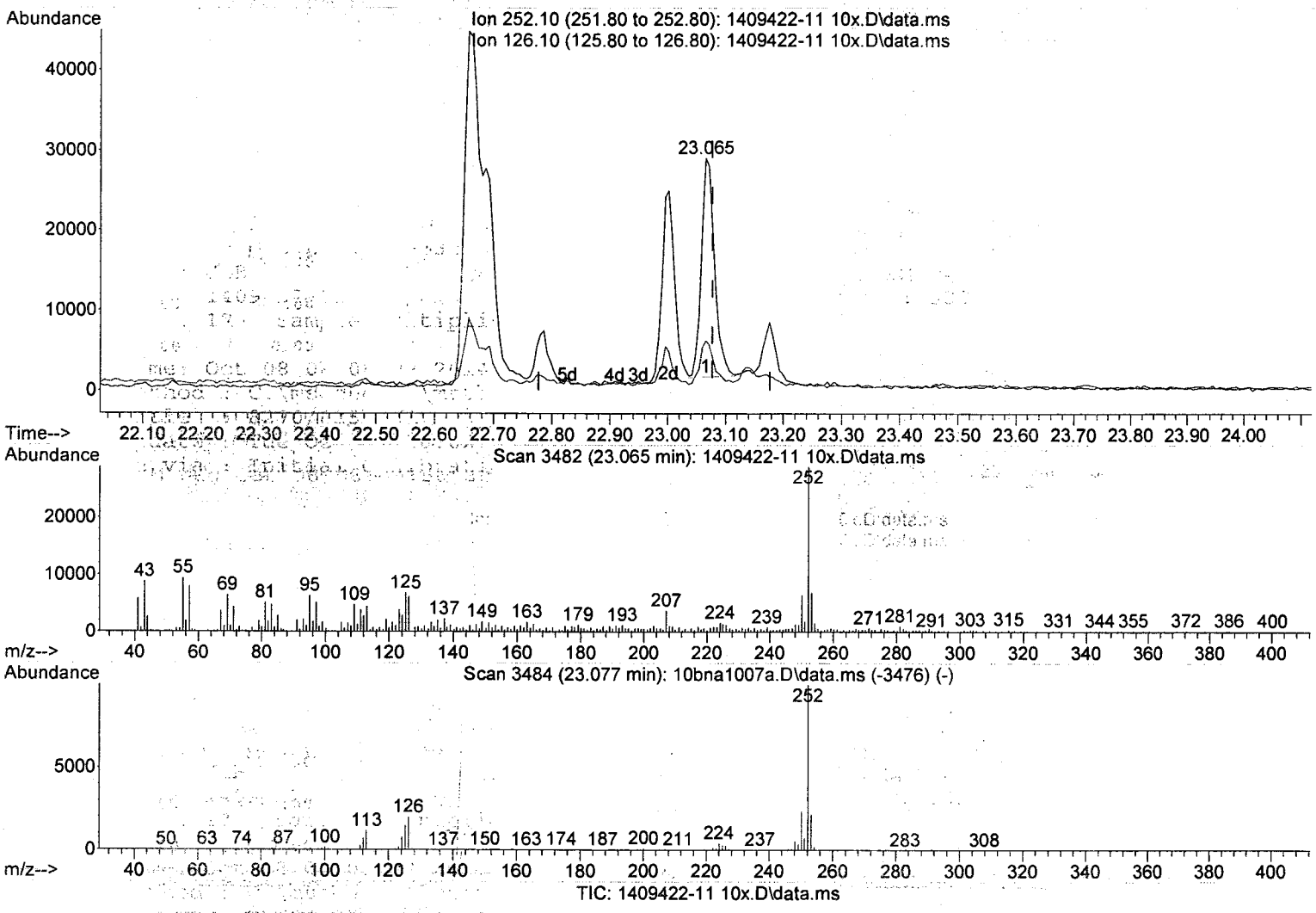
Reviewed By: ASC Date: 10/9/14

002252

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-11 10x.D\data.ms

(92) Benzo(a)pyrene (C)

23.065min (-0.012) 0.47 ng/uL

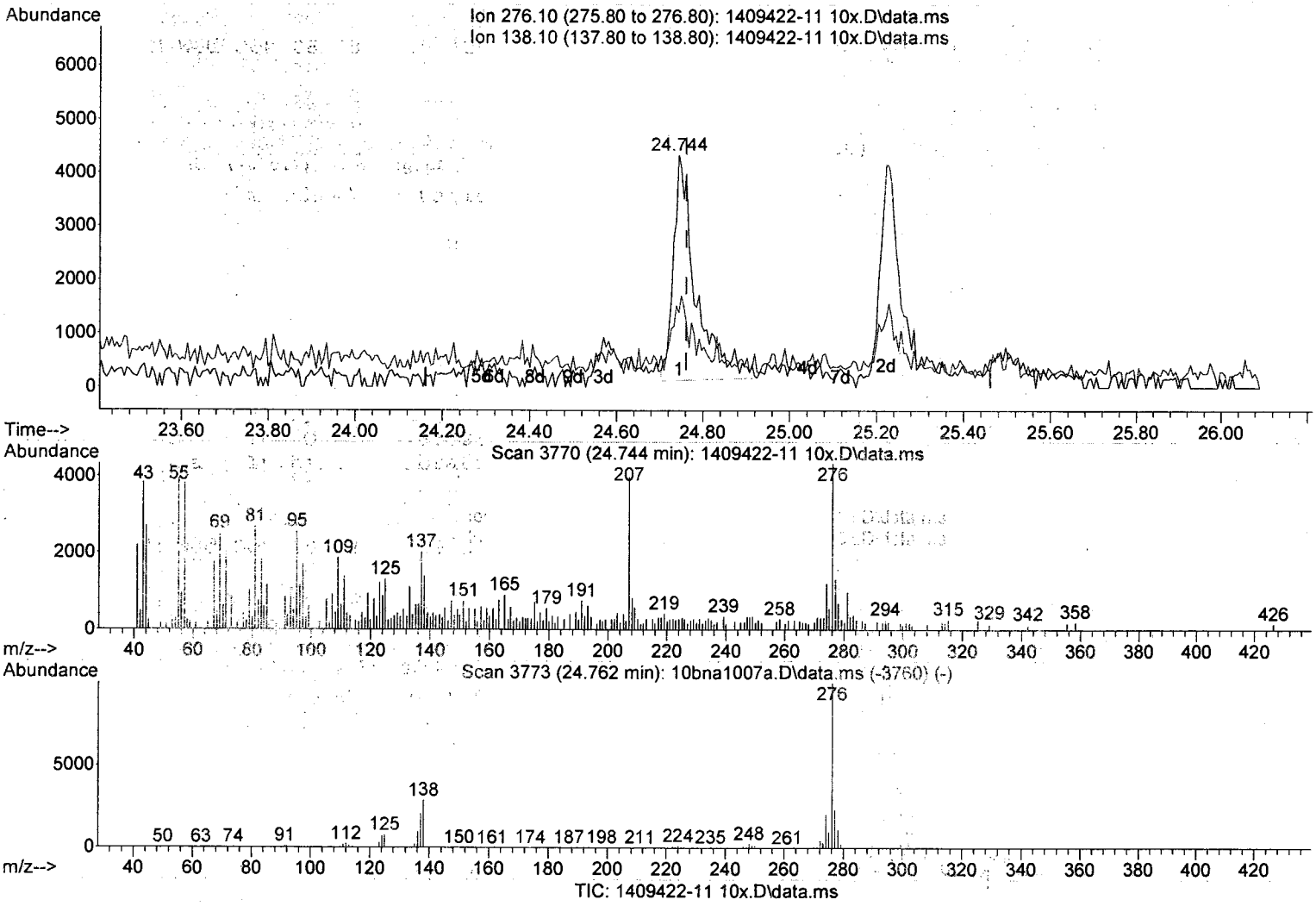
response 42985

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	21.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409422-11 10x.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.744min (-0.018) 0.19 ng/uL

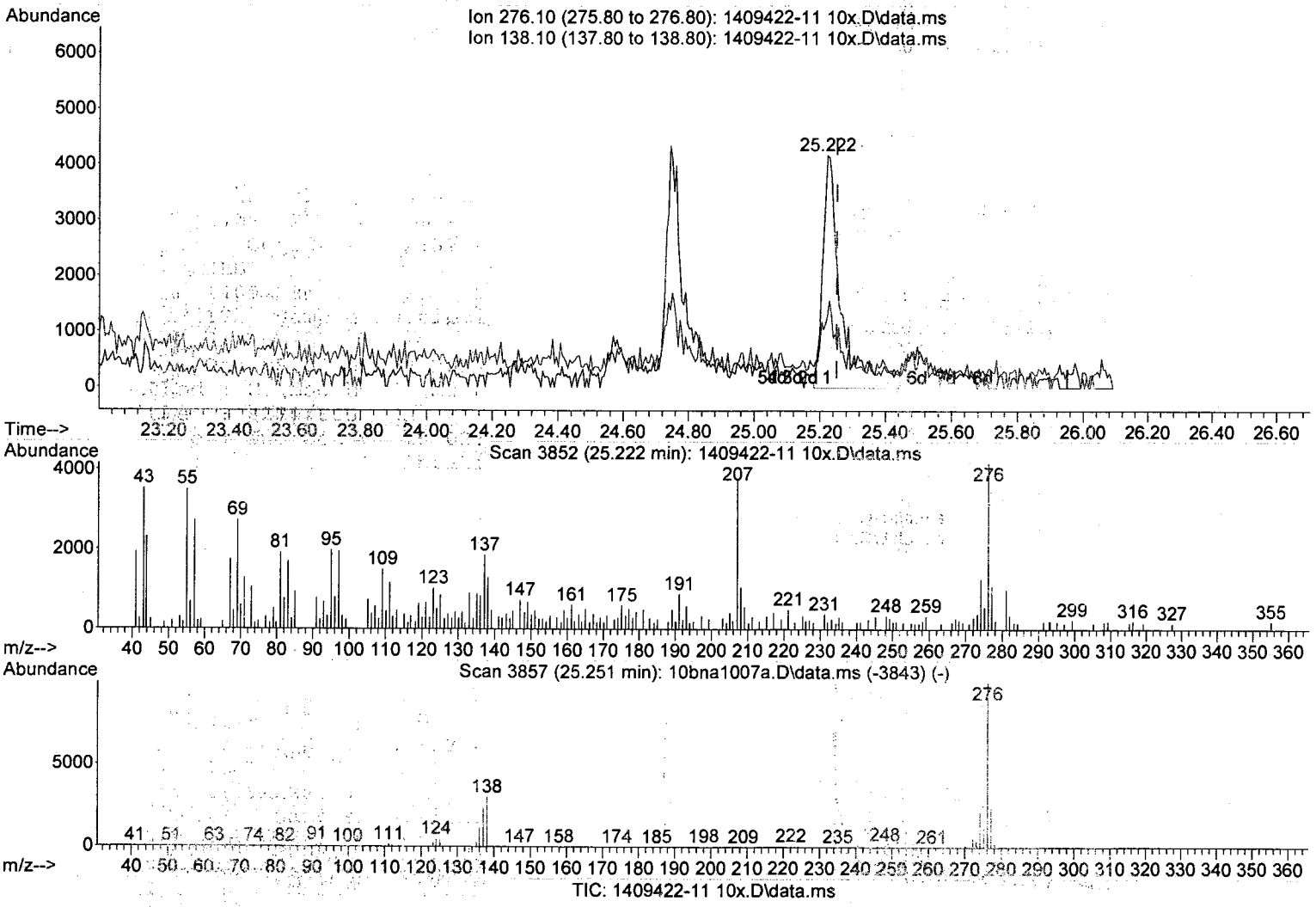
response 15155

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	19.62#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409422-11 10x.D
Acq On : 7 Oct 2014 23:32
Operator : JLB
Sample : 1409422-11 10x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 08:08:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.222min (-0.029) 0.24 ng/uL

response 16191

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	15.69#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14GW15-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409422-12 File ID: 1409422-12.D

Sampled: 09/23/14 10:30 Prepared: 09/29/14 07:52 Analyzed: 10/05/14 15:38

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 960 mL / 1 mL

QC Batch: 1410325 Sequence: 4J06027 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	0.10	0.033	0.10	0.50	U
208-96-8	Acenaphthylene	1	0.050	0.017	0.050	0.50	U
120-12-7	Anthracene	1	0.20	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	1	0.10	0.045	0.10	0.50	U
50-32-8	Benzo(a)pyrene	1	0.10	0.040	0.10	0.50	U
205-99-2	Benzo(b)fluoranthene	1	0.20	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	1	0.20	0.060	0.20	0.50	U
191-24-2	Benzo(g,h,i)perylene	1	0.20	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	1	2.7	0.48	2.0	5.0	J
100-51-6	Benzyl Alcohol	1	0.10	0.049	0.10	0.50	U
101-55-3	4-Bromophenyl Phenyl Ether	1	0.10	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	1	0.094	0.056	0.20	1.0	J
86-74-8	Carbazole	1	0.20	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	1	0.25	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	1	0.25	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	1	0.050	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	1	0.050	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	0.10	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	1	0.050	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	1	0.10	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	0.10	0.048	0.10	0.50	U
218-01-9	Chrysene	1	0.10	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	1	0.25	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	1	0.10	0.041	0.10	0.50	U
84-74-2	Di-n-butyl Phthalate	1	0.32	0.14	1.0	1.0	J
106-46-7	1,4-Dichlorobenzene	1	0.050	0.020	0.050	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.10	0.040	0.10	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.10	0.041	0.10	0.50	U
91-94-1	3,3´-Dichlorobenzidine	1	0.50	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	1	0.20	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	1	0.21	0.065	0.25	0.50	J
105-67-9	2,4-Dimethylphenol	1	0.50	0.17	0.50	1.0	U
131-11-3	Dimethyl Phthalate	1	0.062	0.046	0.10	0.50	J
534-52-1	4,6-Dinitro-2-methylphenol	1	4.0	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	1	5.0	1.2	5.0	5.0	U
606-20-2	2,6-Dinitrotoluene	1	0.20	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	1	0.10	0.048	0.10	0.50	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14GW15-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409422-12
File ID: 1409422-12.D
Sampled: 09/23/14 10:30
Prepared: 09/29/14 07:52
Analyzed: 10/05/14 15:38
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 960 mL / 1 mL
QC Batch: 1410325
Sequence: 4J06027
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	0.20	0.077	0.20	0.50	U
122-66-7	1,2-Diphenylhydrazine	1	0.10	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	17	0.11	0.50	0.50	B
206-44-0	Fluoranthene	1	0.20	0.063	0.20	0.50	U
86-73-7	Fluorene	1	0.10	0.041	0.10	0.50	U
118-74-1	Hexachlorobenzene	1	0.20	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	1	0.10	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	1	0.10	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.25	0.080	0.25	0.50	U
78-59-1	Isophorone	1	0.10	0.045	0.10	0.50	U
91-57-6	2-Methylnaphthalene	1	0.052	0.015	0.050	0.50	J
108-39-4	3+4-Methylphenol	1	0.20	0.057	0.20	5.0	U
95-48-7	2-Methylphenol	1	0.20	0.048	0.20	0.50	U
91-20-3	Naphthalene	1	0.10	0.031	0.10	0.50	J
100-01-6	4-Nitroaniline	1	1.0	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	1	0.50	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	1	0.50	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	1	0.20	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	1	0.20	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	1	5.0	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	1	0.10	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	1	0.20	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	1	0.20	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	1	0.50	0.13	0.50	0.50	U
85-01-8	Phenanthrene	1	0.10	0.043	0.10	0.50	U
108-95-2	Phenol	1	0.073	0.034	0.10	0.50	J
129-00-0	Pyrene	1	0.20	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.10	0.027	0.10	0.50	U
95-95-4	2,4,5-Trichlorophenol	1	0.25	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	1	0.25	0.085	0.25	0.50	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	20.8	11.1	53	19 - 119	
Phenol-d6	20.8	7.10	34	18 - 45	
Nitrobenzene-d5	10.4	8.80	84	44 - 120	
2-Fluorobiphenyl	10.4	8.22	79	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14GW15-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409422-12
File ID: 1409422-12.D
Sampled: 09/23/14 10:30
Prepared: 09/29/14 07:52
Analyzed: 10/05/14 15:38
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 960 mL / 1 mL
QC Batch: 1410325
Sequence: 4J06027
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	20.8	17.9	86	43 - 140	
o-Terphenyl	10.4	9.46	91	42 - 125	

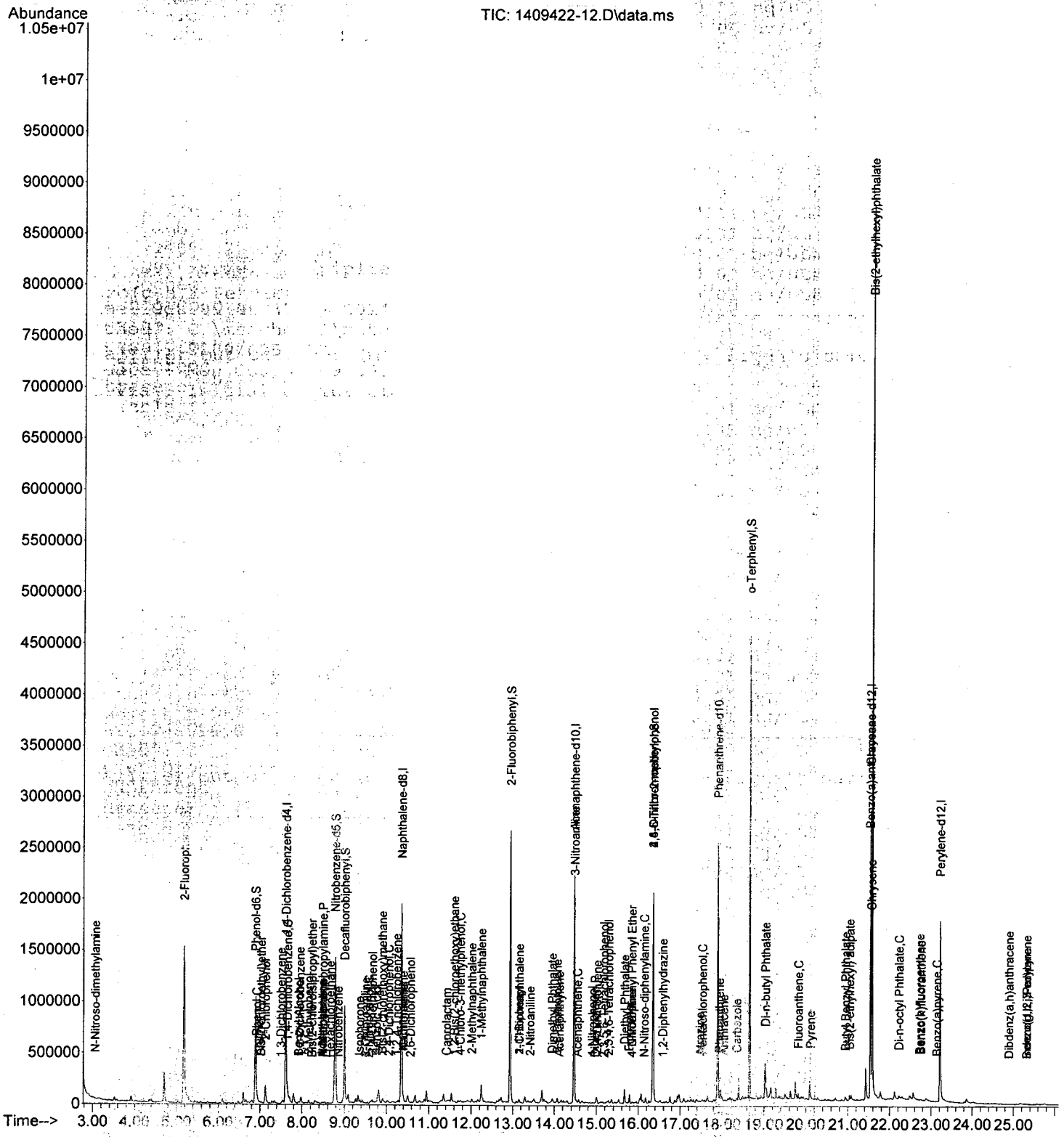
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	414173	7.608	403279	7.614	
Naphthalene-d8	1611752	10.353	1529030	10.359	
Acenaphthene-d10	899696	14.468	866604	14.474	
Phenanthrene-d10	1426582	17.895	1400442	17.901	
Chrysene-d12	1182950	21.532	1153654	21.538	
Perylene-d12	1007224	23.211	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	414173	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.353	136	1611752	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.468	164	899696	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.895	188	1426582	5.00	ng/uL		0.00
81) Chrysene-d12	21.532	240	1182950	5.00	ng/uL	#	0.00
89) Perylene-d12	23.211	264	1007224	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	1012114	10.70	ng/uL		0.00
6) Phenol-d6	6.891	99	835280	6.82	ng/uL		-0.02
21) Nitrobenzene-d5	8.774	82	871033	8.45	ng/uL		-0.01
23) Decafluorobiphenyl	9.001	334	406575	5.63	ng/uL		0.00
47) 2-Fluorobiphenyl	12.935	172	1465865	7.89	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.351	330	371472	17.17	ng/uL		-0.01
78) o-Terphenyl	18.659	230	1110764	9.08	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.061	74	122	0.00	ng/uL	#	1
3) Pyridine	0.000		0	N.D.			
5) Aniline	6.978	93	1858	0.24	ng/uL	#	33
7) Phenol	6.914	94	10040	0.07	ng/uL	#	1
8) Bis(2-chloroethyl)ether	7.025	93	333	0.00	ng/uL		97
9) 2-Chlorophenol	7.130	128	1939	0.02	ng/uL	#	60
10) 1,3-Dichlorobenzene	7.491	146	523	0.00	ng/uL	#	57
11) 1,4-Dichlorobenzene	7.649	146	883	0.01	ng/uL	#	1
12) 1,2-Dichlorobenzene	7.946	146	1004	0.01	ng/uL	#	1
13) Bis(2-chloroisipropyl)...	8.231	45	1560	0.01	ng/uL	#	51
14) Benzyl Alcohol	7.917	108	1940	0.03	ng/uL	#	75
15) 2-Methylphenol	8.150	108	782	0.01	ng/uL	#	1
16) Acetophenone	8.470	105	6816	0.05	ng/uL	#	81
17) Hexachloroethane	8.657	119	2798	0.06	ng/uL	#	3
18) 4-Methylphenol	8.482	108	1574	0.02	ng/uL	#	1
19) N-Nitroso-di-n-propyla...	8.488	70	13294	0.18	ng/uL	#	9
22) Nitrobenzene	8.843	77	142	0.00	ng/uL	#	1
24) Isophorone	9.356	82	2939	0.01	ng/uL	#	87
25) 2-Chloroaniline	9.496	127	66	0.00	ng/uL	#	16
26) 2-Nitrophenol	9.578	139	59	0.00	ng/uL	#	1
27) 2,4-Dimethylphenol	9.659	107	1140	0.01	ng/uL		84
28) Bis(2-chlorethoxy)methane	9.898	93	836	0.01	ng/uL	#	78
29) 2,4-Dichlorophenol	10.050	162	144	0.00	ng/uL	#	1
30) Benzoic Acid	9.759	105	11142	2.58	ng/uL		93
31) 1,2,4-Trichlorobenzene	10.237	180	134	0.00	ng/uL	#	48
32) Naphthalene	10.400	128	31858	0.10	ng/uL	#	92
33) 4-Chloroaniline	10.400	127	3574	0.05	ng/uL		96
34) 2,6-Dichlorophenol	10.569	162	289	0.00	ng/uL	#	1
35) Hexachlorobutadiene	0.000		0	N.D.			
36) Caprolactam	11.420	55	2605	0.06	ng/uL	#	28
37) 1,2-Bis(2-chloroethoxy...	11.600	63	273	0.00	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.740	107	1612	0.02	ng/uL	#	1
39) 2-Methylnaphthalene	12.014	142	9924	0.05	ng/uL	#	90
40) 1-Methylnaphthalene	12.242	142	80104	0.43	ng/uL		99
41) 1,3 Dinitrobenzene	14.043	168	56	Below Cal			100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43)	1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44)	Hexachlorocyclopentadiene	0.000		0	N.D.		
45)	2,4,6-Trichlorophenol	0.000		0	N.D.		
46)	2,4,5-Trichlorophenol	0.000		0	N.D.		
48)	2-Chloronaphthalene	13.157	162	774	0.00	ng/uL#	1
49)	1,1'-Biphenyl	13.151	154	17338	0.07	ng/uL	98
50)	2-Nitroaniline	13.419	138	381	0.01	ng/uL#	43
51)	Acenaphthylene	14.118	152	1889	0.01	ng/uL#	86
52)	2,6-Dinitrotoluene	14.066	165	1863	0.04	ng/uL#	34
53)	Dimethyl Phthalate	13.949	163	11305	0.06	ng/uL#	73
54)	3-Nitroaniline	14.474	138	277	0.01	ng/uL#	1
55)	Acenaphthene	14.544	153	2471	0.01	ng/uL#	81
56)	2,4-Dinitrophenol	0.000		0	N.D.		
57)	Dibenzofuran	14.964	168	4482	0.02	ng/uL#	74
58)	4-Nitrophenol	14.899	65	1041	0.03	ng/uL#	33
59)	2,4-Dinitrotoluene	15.010	165	554	0.01	ng/uL#	60
60)	2,3,5,6-Tetrachlorophenol	15.173	232	60	0.00	ng/uL#	1
61)	2,3,4,6-Tetrachlorophenol	15.284	232	179	0.00	ng/uL#	1
62)	Fluorene	15.780	166	3869	0.02	ng/uL#	88
63)	Diethyl Phthalate	15.669	149	35848	0.20	ng/uL	95
64)	4-Chlorophenyl Phenyl ...	15.844	204	96	0.00	ng/uL#	1
65)	4-Nitroaniline	15.844	138	170	0.01	ng/uL#	1
67)	4,6-Dinitro-2-methylph...	16.351	198	957	RT ~~1.01~~	ng/uL#	1
68)	N-Nitroso-diphenylamine	16.141	169	2835	0.02	ng/uL#	74
69)	1,2-Diphenylhydrazine	16.584	182	168	0.00	ng/uL	84
71)	4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72)	Hexachlorobenzene	0.000		0	N.D.		
73)	Atra[illegible]	17.470	200	227	0.00	ng/uL	100
74)	Pent[illegible]ophenol	17.534	266	1368	0.04	ng/uL#	10
75)	Phena[illegible]	17.936	178	11434	0.04	ng/uL	96
76)	Ant[illegible]	18.035	178	2958	0.01	ng/uL#	89
77)	Carba[illegible]	18.356	167	1915	0.01	ng/uL#	20
79)	Di-n-butyl Phthalate	19.038	149	84241	0.31	ng/uL	98
80)	Fluoroanthene	19.819	202	10938	0.04	ng/uL	93
82)	Pyrene	20.110	202	9518	0.03	ng/uL#	55
83)	Butyl Benzyl Phthalate	20.944	149	9475	0.09	ng/uL	96
84)	Bis(2-ethylhexyl) adipate	21.043	129	12475	0.18	ng/uL#	100
85)	Benzo(a)anthracene	21.527	228	5782	0.03	ng/uL#	8
86)	Chrysene	21.562	228	4086	0.02	ng/uL#	1
87)	Bis(2-ethylhexyl)phtha...	21.573	149	2340486	16.50	ng/uL	92
88)	Di-n-octyl Phthalate	22.226	149	57480	PP ~~0.56~~	ng/uL#	78
90)	Benzo(b)fluoroanthene	22.721	252	1623	0.01	ng/uL#	92
91)	Benzo(k)fluoranthene	22.756	252	1722	0.01	ng/uL#	12
92)	Benzo(a)pyrene	23.135	252	1427	0.01	ng/uL#	86
93)	Indeno(1,2,3-cd)pyrene	25.321	276	1428	0.01	ng/uL#	77
94)	Dibenz(a,h)anthracene	24.890	278	165	0.00	ng/uL#	1
95)	Benzo[illegible]perylene	25.321	276	1428	0.01	ng/uL#	80

(#) = qu[illegible] of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:20:26 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

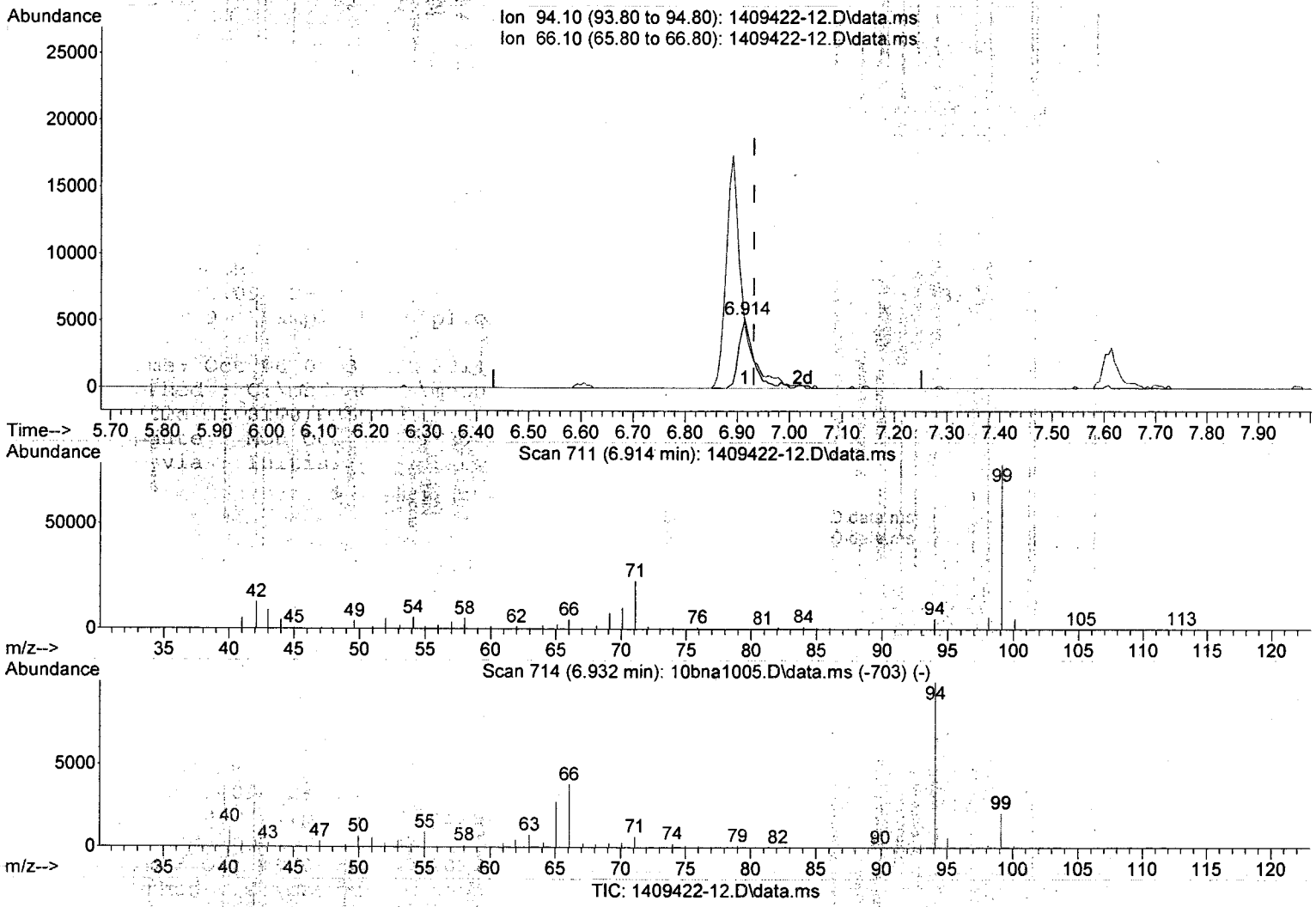
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	409752	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1611752	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	898449	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.895	188	1428070	5.00	ng/uL		0.00
19) Chrysene-d12	21.532	240	1182950	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1025249	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.061	74	122	0.00	ng/uL	#	1
3) Pyridine	0.000		0	N.D.			
4) Aniline	6.978	93	1858	0.01	ng/uL	#	33
5) Benzaldehyde	6.774	105	8306	0.09	ng/uL	#	45
6) Acetophenone	8.470	105	6816	0.04	ng/uL	#	81
7) N-Nitroso-di-n-propyla...	8.639	70	784	0.01	ng/uL		88
9) 4-Chloroaniline	10.400	127	4118	0.04	ng/uL		99
10) Caprolactam	11.350	55	12314	0.33	ng/uL	#	45
12) 1,1'-Biphenyl	13.151	154	17338	0.06	ng/uL		98
13) 2-Nitroaniline	13.419	138	381	0.02	ng/uL	#	43
14) 3-Nitroaniline	14.387	138	196	Below Cal		#	1
15) 4-Nitroaniline	15.861	138	62	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.141	169	2835	0.02	ng/uL	#	74
18) Atrazine	17.470	200	227	Below Cal			100
20) Benzidine	20.052	184	524	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.422	252	107	0.00	ng/uL		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-12.D\data.ms

(7) Phenol (C)

6.914min (-0.018) 0.07 ng/uL

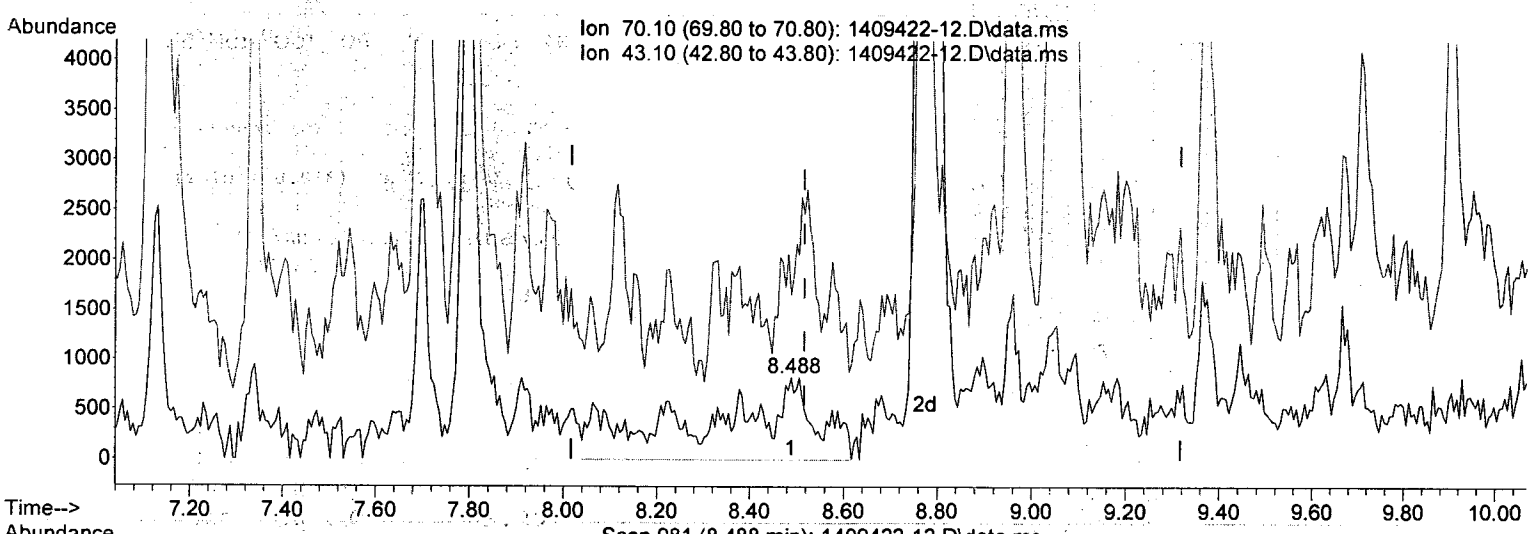
response 10040

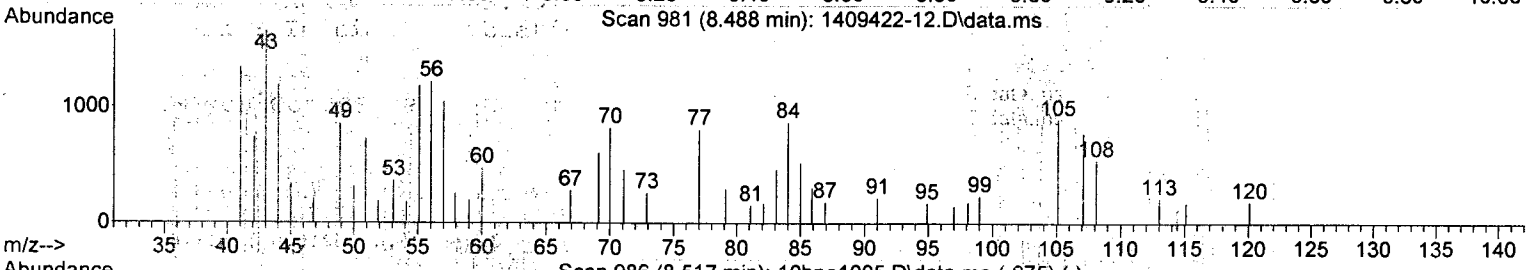
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	372.39#
0.00	0.00	0.00
0.00	0.00	0.00

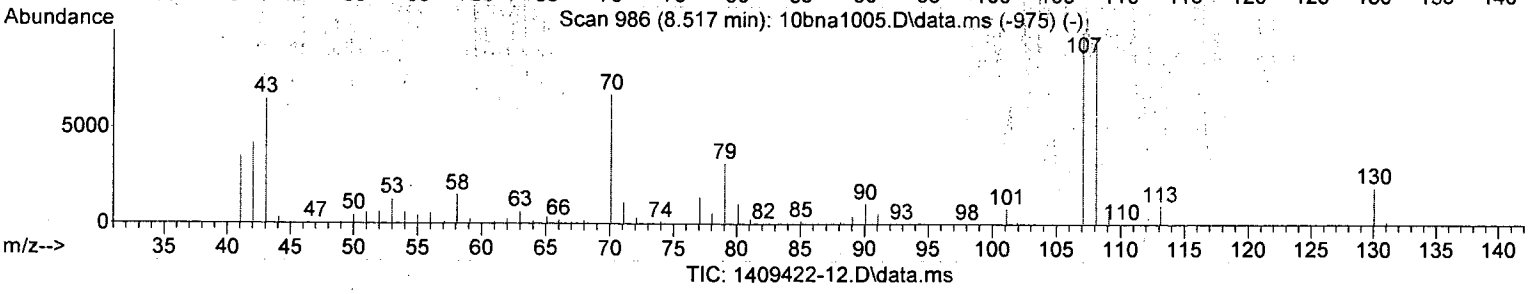
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-12.D\data.ms

(19) N-Nitroso-di-n-propylamine (P)

8.488min (-0.029) 0.18 ng/uL

response 13294

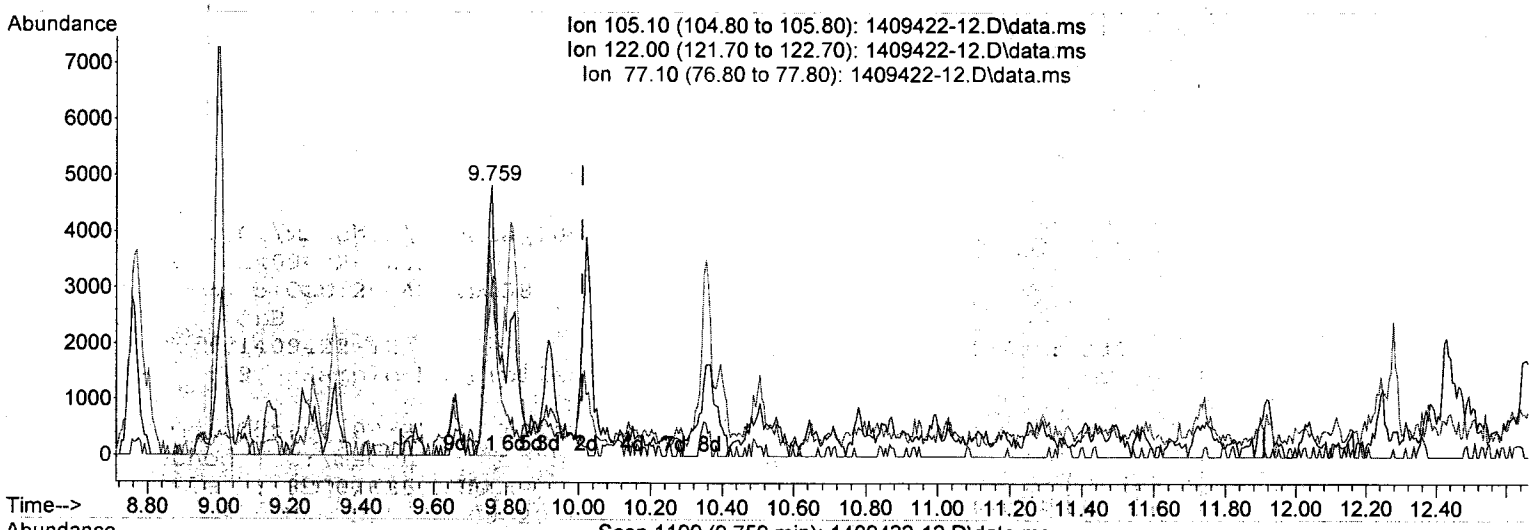
Ion	Exp%	Act%
70.10	100.00	100.00
43.10	98.40	8.70#
0.00	0.00	0.00
0.00	0.00	0.00

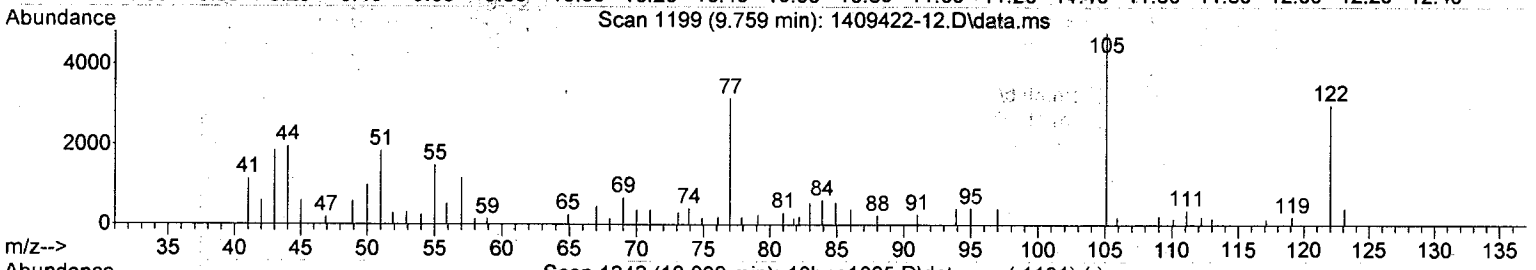
ppbs

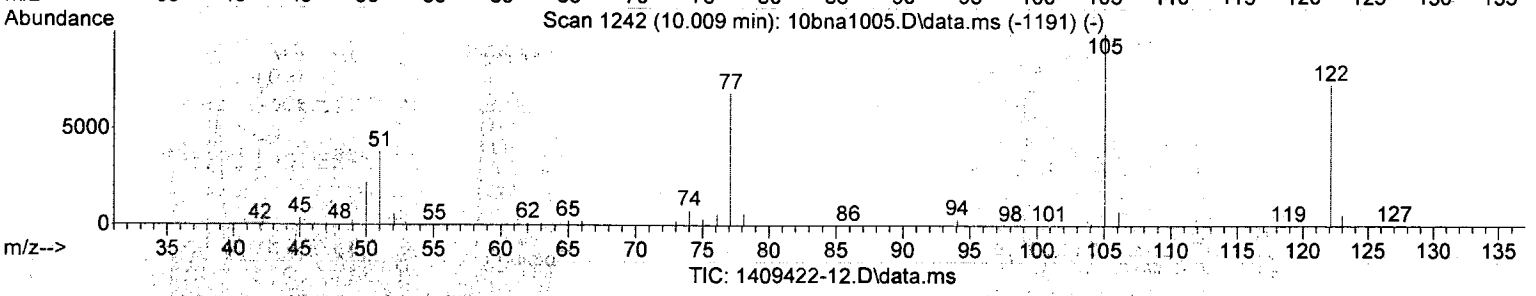
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-12.D\data.ms

(30) Benzoic Acid

9.759min (-0.251) 2.58 ng/uL

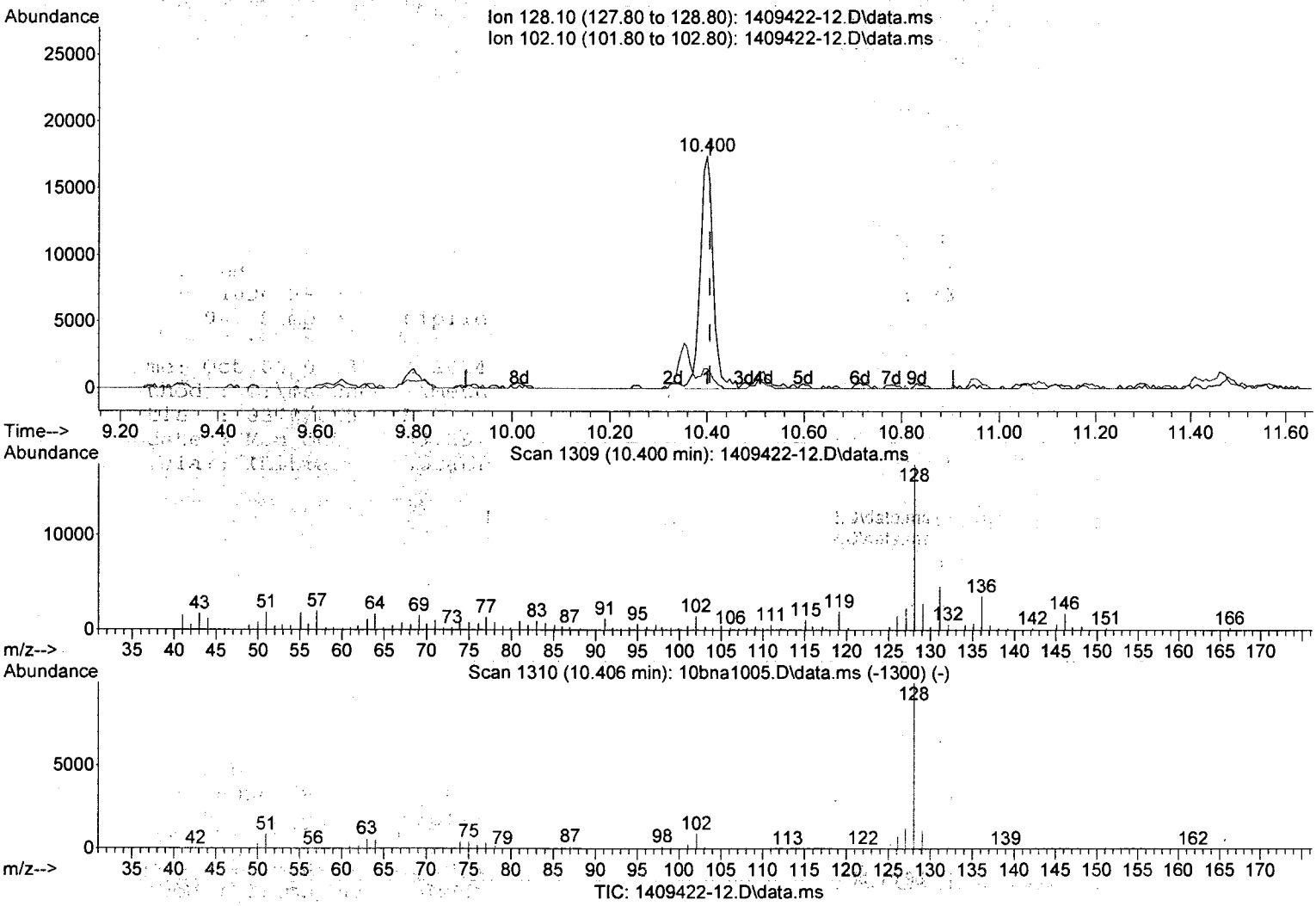
response 11142

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	83.42
77.10	74.70	84.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-12.D\data.ms

(32) Naphthalene

10.400min (-0.006) 0.10 ng/uL

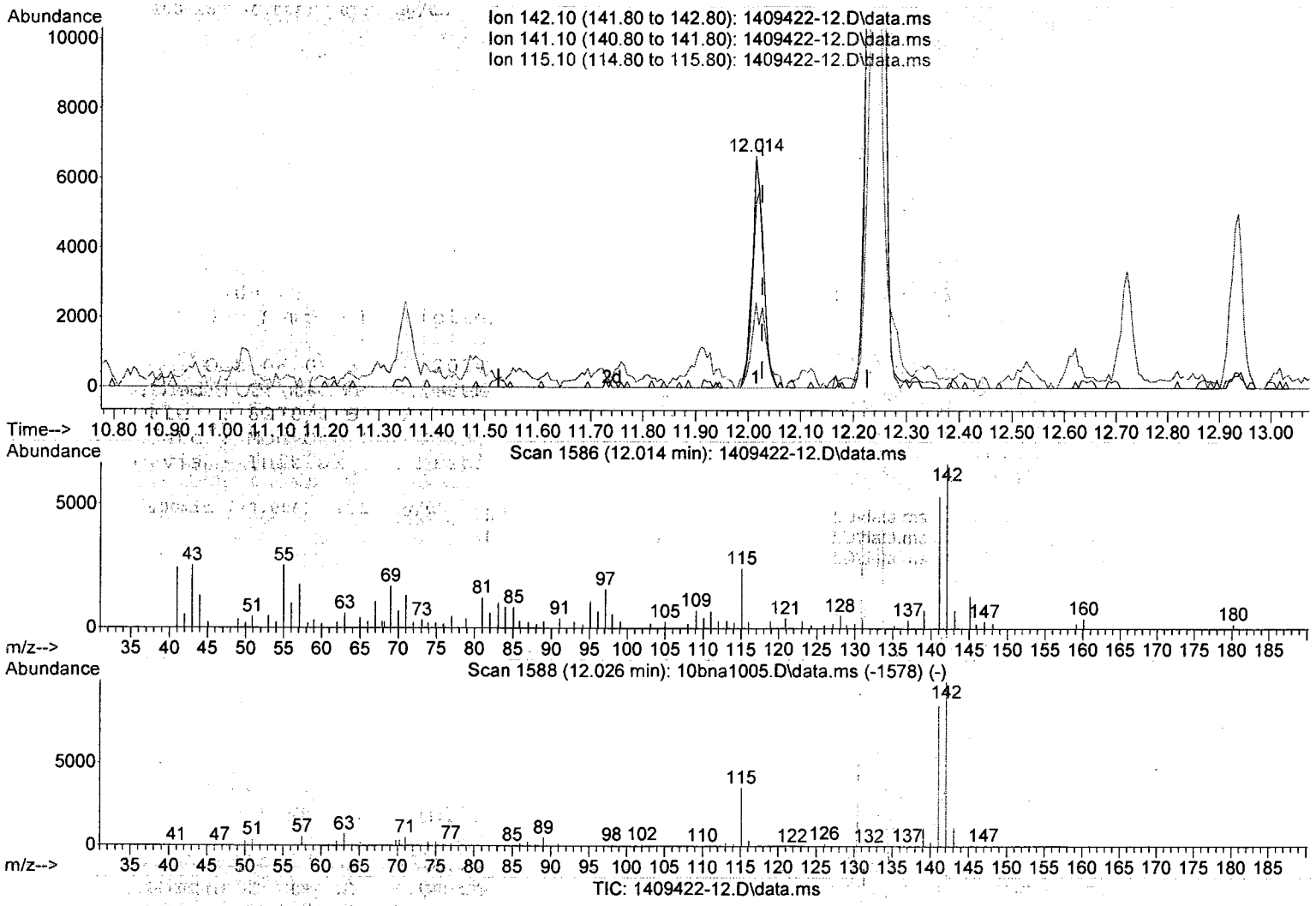
response 31858

Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	6.54#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(39) 2-Methylnaphthalene

12.014min (-0.012) 0.05 ng/uL

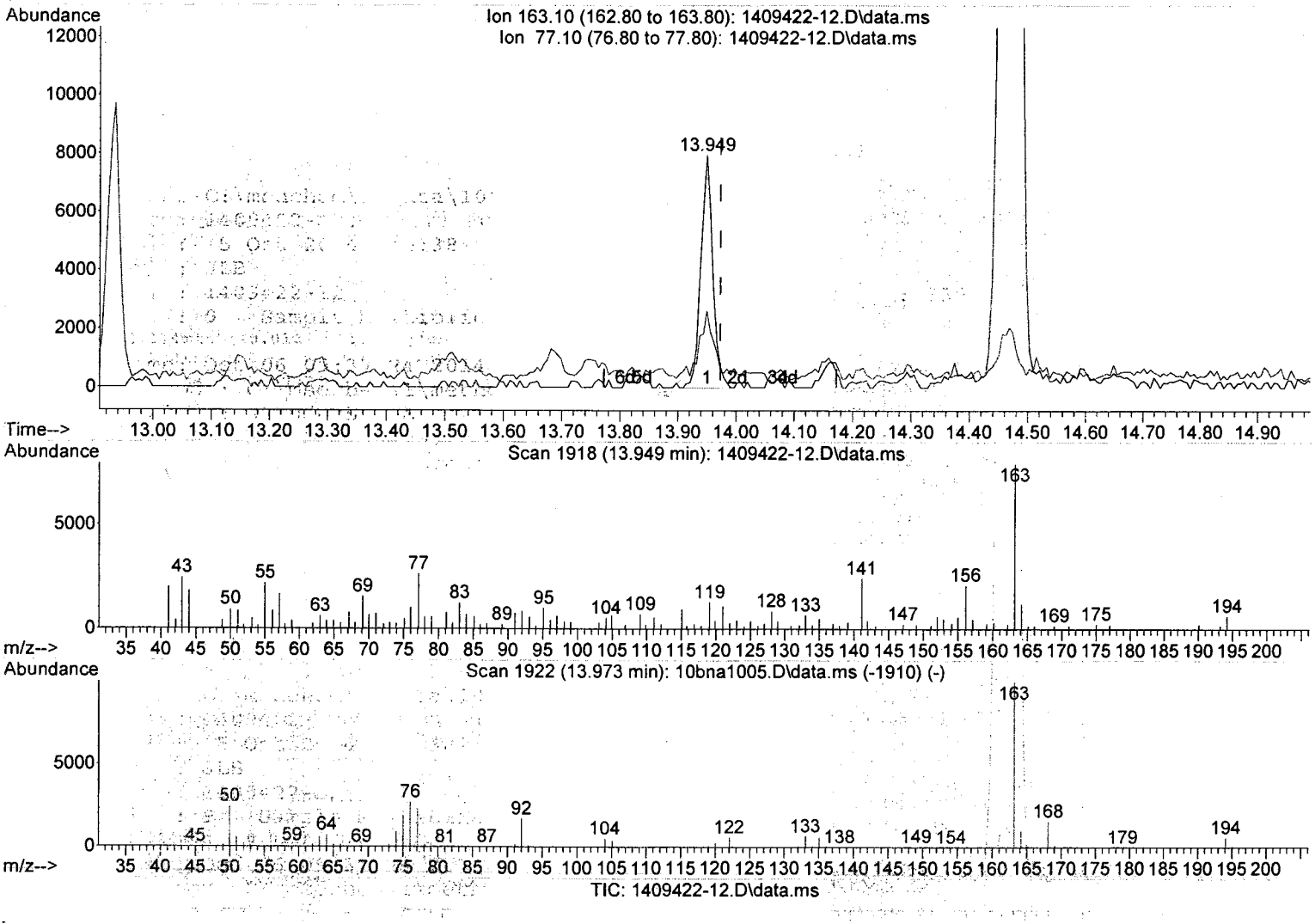
response 9924

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	87.85
115.10	33.50	49.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-12.D\data.ms

(53) Dimethyl Phthalate

13.949min (-0.023) 0.06 ng/uL

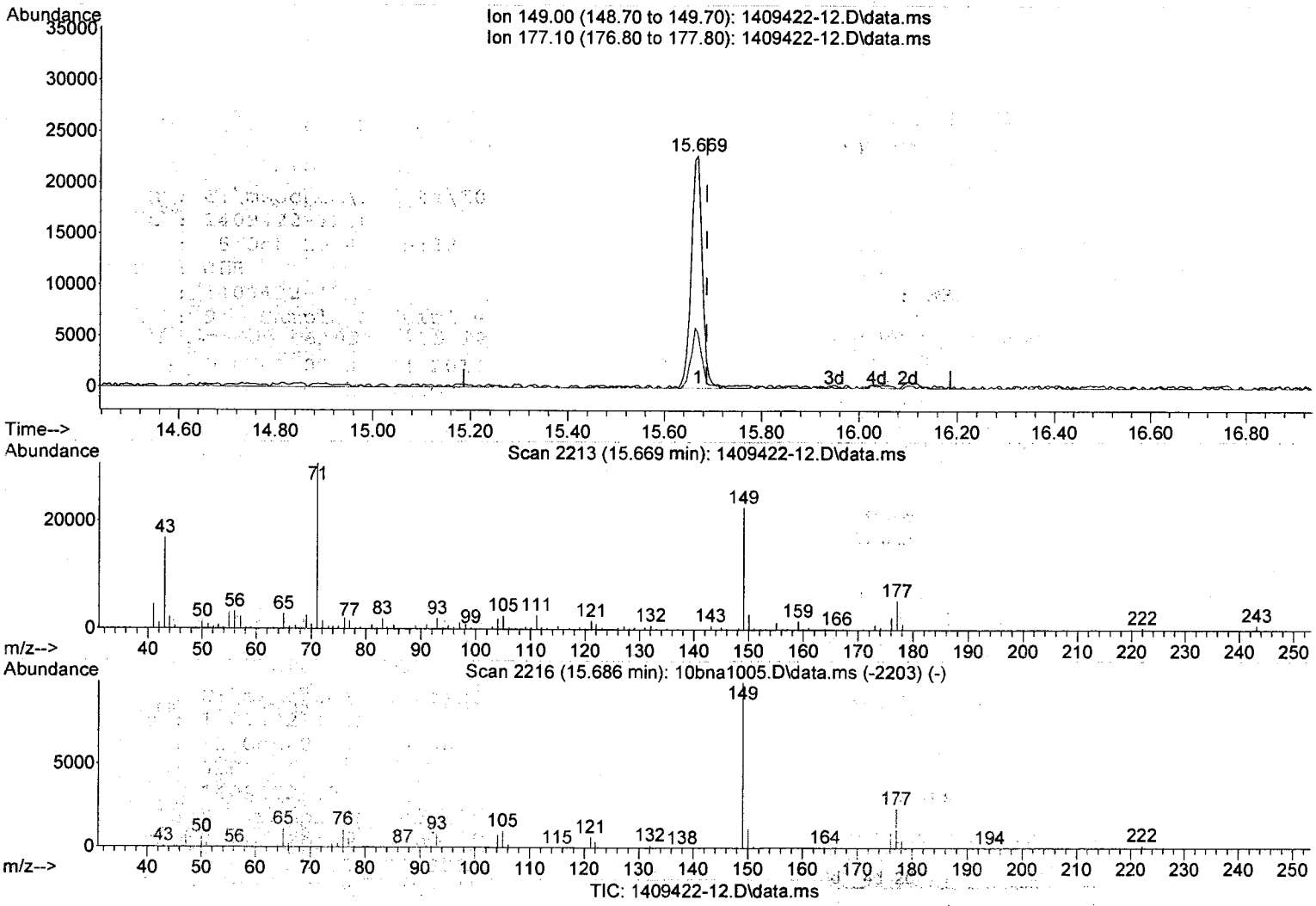
response 11305

Ion	Exp%	Act%
163.10	100.00	100.00
77.10	22.60	35.37#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-12.D\data.ms

(63) Diethyl Phthalate

15.669min (-0.018) 0.20 ng/uL

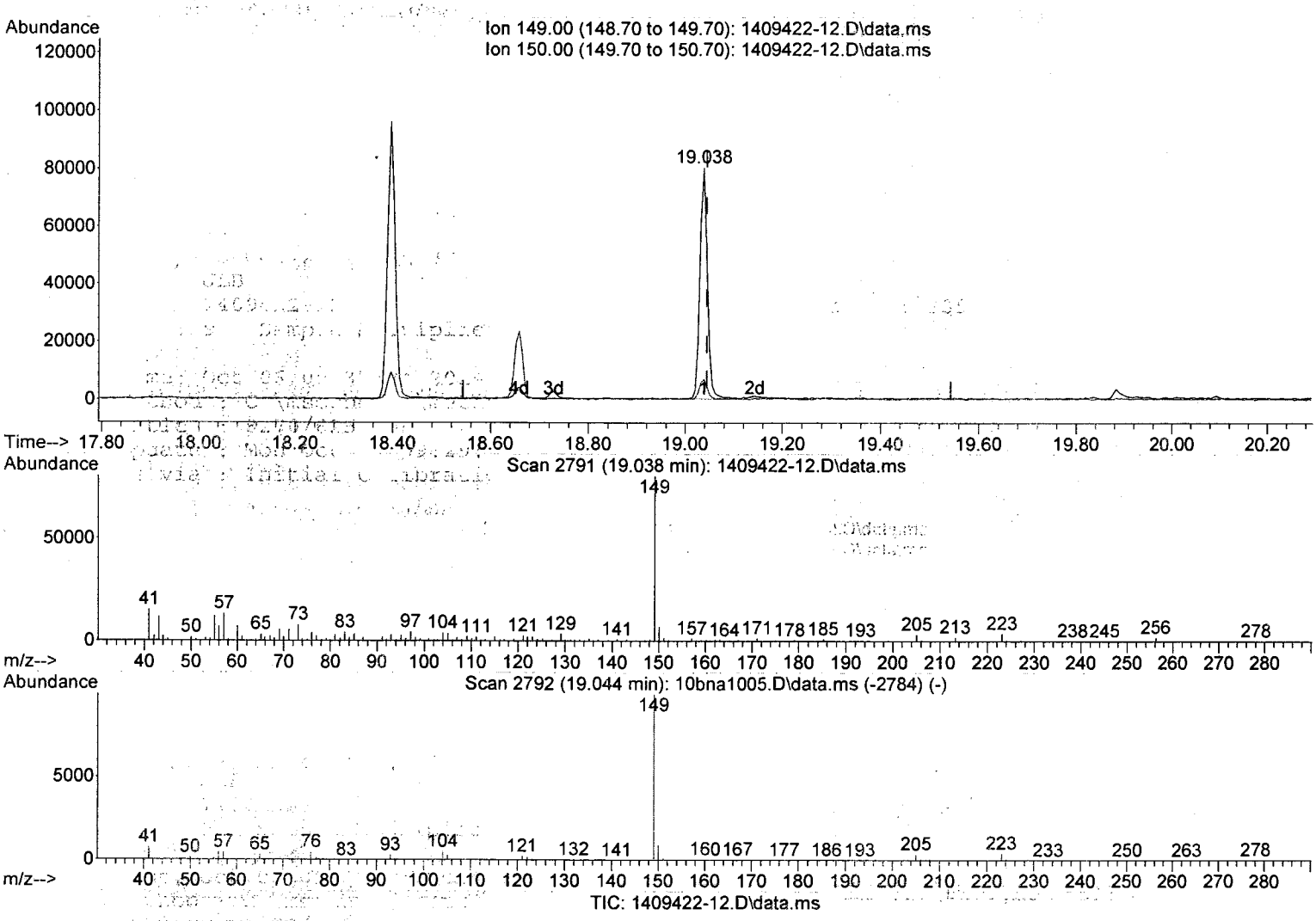
response 35848

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	25.01
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-12.D\data.ms

(79) Di-n-butyl Phthalate

19.038min (-0.006) 0.31 ng/uL

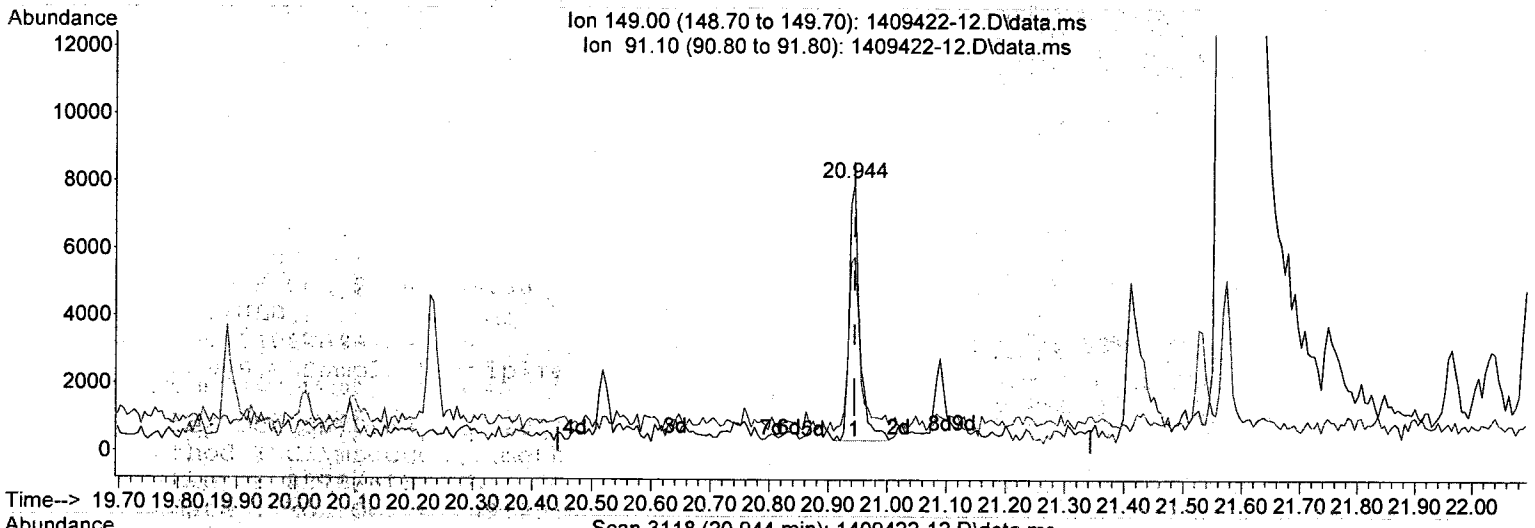
response 84241

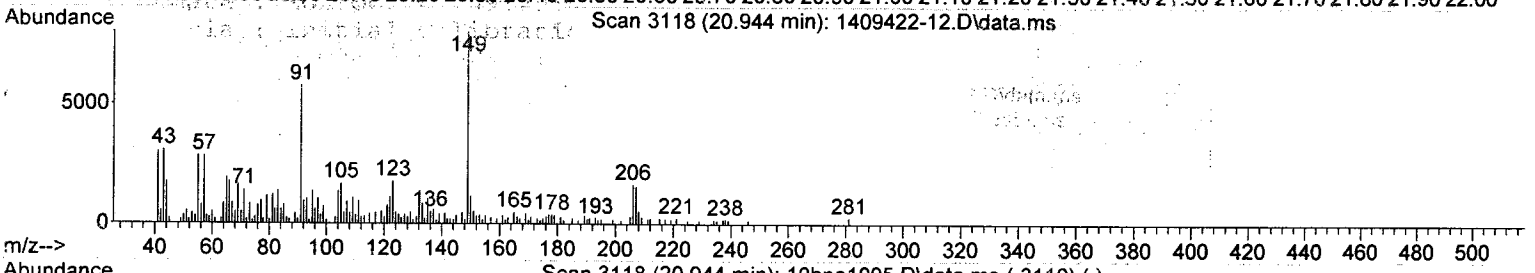
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.64
0.00	0.00	0.00
0.00	0.00	0.00

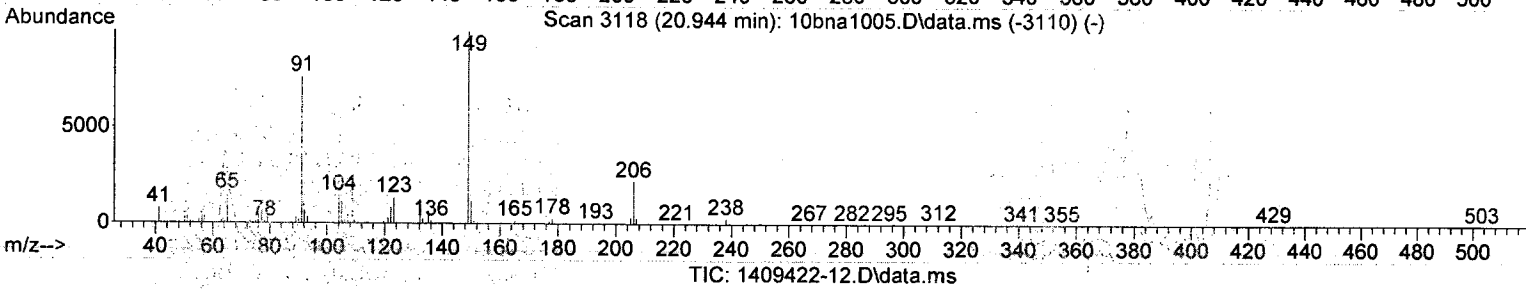
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-12.D\data.ms

(83) Butyl Benzyl Phthalate

20.944min (-0.000) 0.09 ng/uL

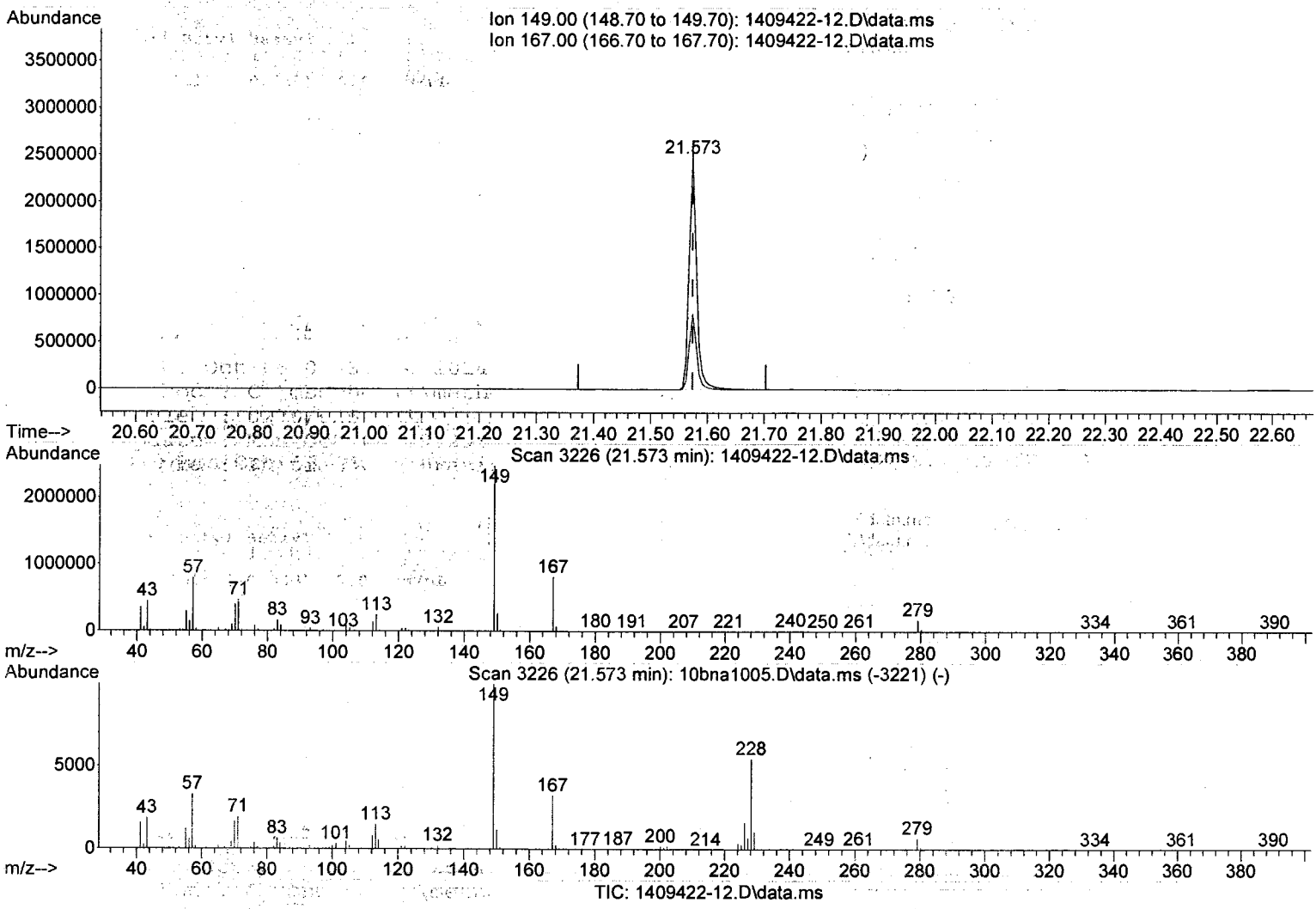
response 9475

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	81.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409422-12.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.573min (-0.000) 16.50 ng/uL

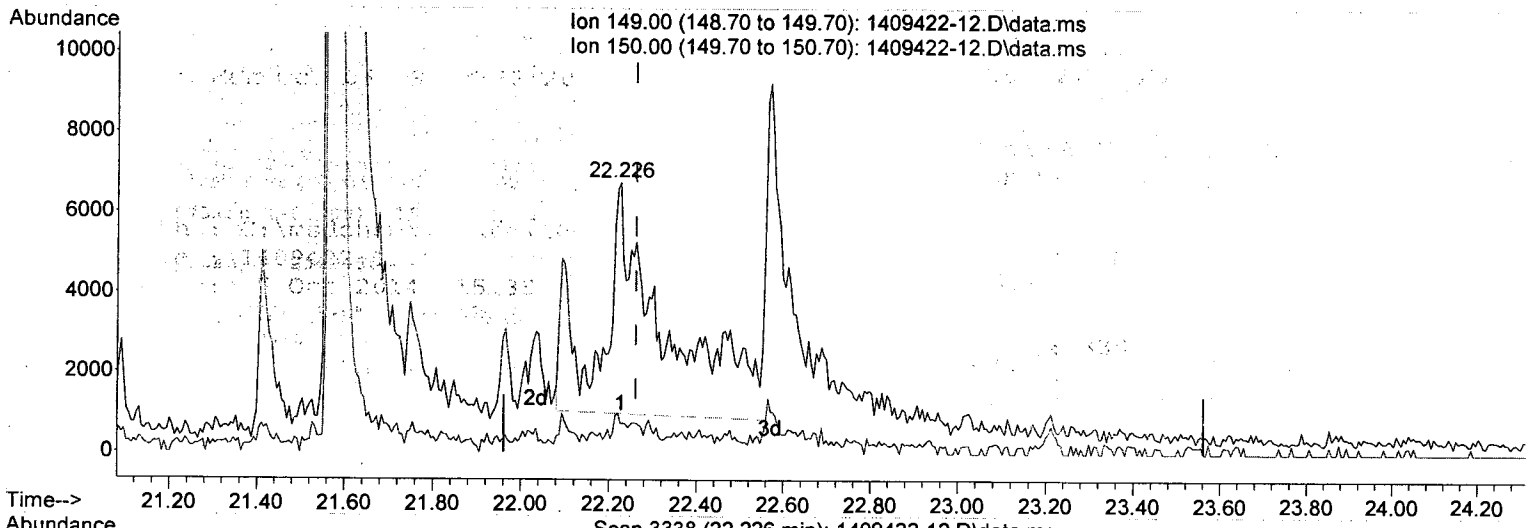
response 2340486

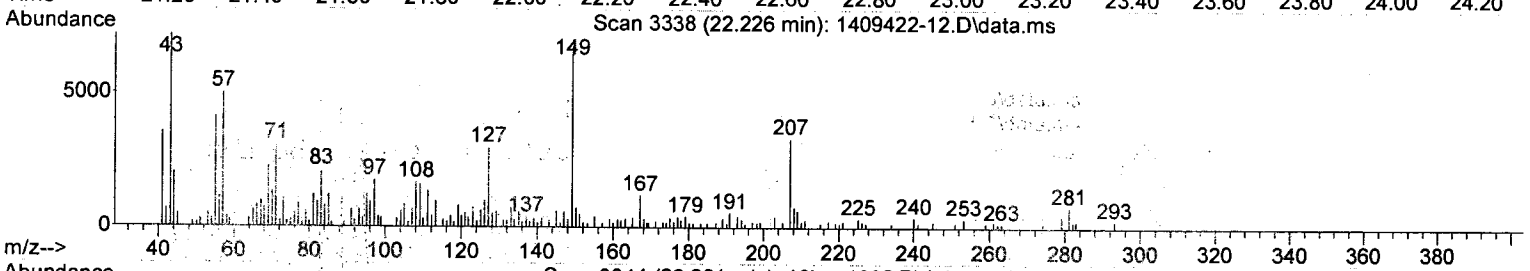
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.30
0.00	0.00	0.00
0.00	0.00	0.00

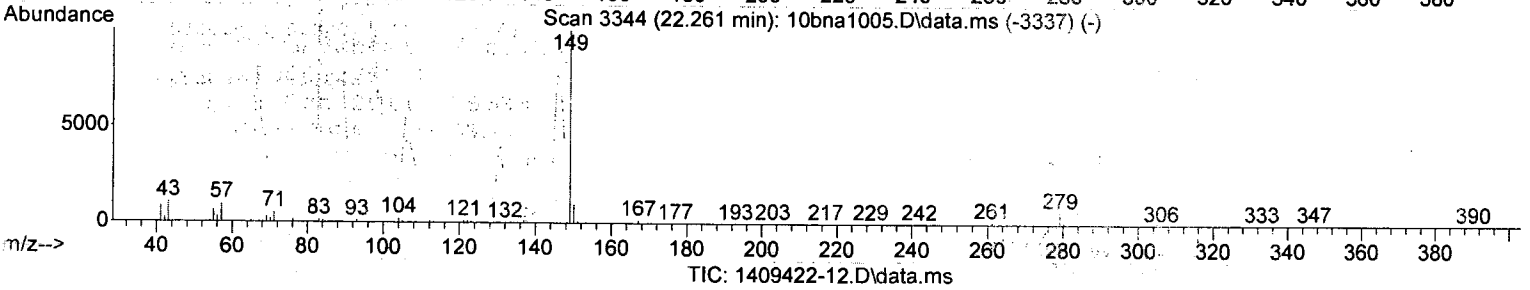
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409422-12.D
Acq On : 5 Oct 2014 15:38
Operator : JLB
Sample : 1409422-12 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 09:37:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409422-12.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.226min (-0.035) 0.56 ng/uL

response 57480

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.66#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14GW20-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409444-02 File ID: 1409444-02.D

Sampled: 09/24/14 09:30 Prepared: 09/29/14 07:52 Analyzed: 10/05/14 16:10

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 970 mL / 1 mL

QC Batch: 1410325 Sequence: 4J06027 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	0.13	0.033	0.10	0.50	J
208-96-8	Acenaphthylene	1	0.062	0.017	0.050	0.50	J
120-12-7	Anthracene	1	0.20	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	1	0.10	0.045	0.10	0.50	U
50-32-8	Benzo(a)pyrene	1	0.10	0.040	0.10	0.50	U
205-99-2	Benzo(b)fluoranthene	1	0.20	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	1	0.20	0.060	0.20	0.50	U
191-24-2	Benzo(g,h,i)perylene	1	0.20	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	1	2.0	0.48	2.0	5.0	U
100-51-6	Benzyl Alcohol	1	0.20	0.049	0.10	0.50	J
101-55-3	4-Bromophenyl Phenyl Ether	1	0.10	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	1	0.16	0.056	0.20	1.0	J
86-74-8	Carbazole	1	0.20	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	1	0.25	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	1	0.25	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	1	0.050	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	1	0.050	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	0.10	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	1	0.050	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	1	0.10	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	0.10	0.048	0.10	0.50	U
218-01-9	Chrysene	1	0.10	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	1	0.25	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	1	0.19	0.041	0.10	0.50	J
84-74-2	Di-n-butyl Phthalate	1	0.86	0.14	1.0	1.0	J
106-46-7	1,4-Dichlorobenzene	1	0.10	0.020	0.050	0.50	J
95-50-1	1,2-Dichlorobenzene	1	0.25	0.040	0.10	0.50	J
541-73-1	1,3-Dichlorobenzene	1	0.10	0.041	0.10	0.50	J
91-94-1	3,3´-Dichlorobenzidine	1	0.50	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	1	0.20	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	1	0.26	0.065	0.25	0.50	J
105-67-9	2,4-Dimethylphenol	1	0.56	0.17	0.50	1.0	J
131-11-3	Dimethyl Phthalate	1	0.10	0.046	0.10	0.50	U
534-52-1	4,6-Dinitro-2-methylphenol	1	4.0	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	1	5.0	1.2	5.0	5.0	U
606-20-2	2,6-Dinitrotoluene	1	0.20	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	1	0.10	0.048	0.10	0.50	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14GW20-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409444-02 File ID: 1409444-02.D

Sampled: 09/24/14 09:30 Prepared: 09/29/14 07:52 Analyzed: 10/05/14 16:10

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 970 mL / 1 mL

QC Batch: 1410325 Sequence: 4J06027 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	0.20	0.077	0.20	0.50	U
122-66-7	1,2-Diphenylhydrazine	1	0.10	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	3.7	0.11	0.50	0.50	**B**
206-44-0	Fluoranthene	1	0.20	0.063	0.20	0.50	U
86-73-7	Fluorene	1	0.21	0.041	0.10	0.50	**J**
118-74-1	Hexachlorobenzene	1	0.20	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	1	0.10	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	1	0.10	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.25	0.080	0.25	0.50	U
78-59-1	Isophorone	1	0.12	0.045	0.10	0.50	**J**
91-57-6	2-Methylnaphthalene	1	7.9	0.015	0.050	0.50	
108-39-4	3+4-Methylphenol	1	1.3	0.057	0.20	5.0	**J**
95-48-7	2-Methylphenol	1	0.28	0.048	0.20	0.50	**J**
91-20-3	Naphthalene	1	21	0.031	0.10	0.50	
100-01-6	4-Nitroaniline	1	1.0	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	1	0.50	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	1	0.50	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	1	0.20	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	1	0.20	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	1	5.0	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	1	0.10	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	1	0.20	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	1	0.20	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	1	0.50	0.13	0.50	0.50	U
85-01-8	Phenanthrene	1	0.12	0.043	0.10	0.50	**J**
108-95-2	Phenol	1	0.10	0.034	0.10	0.50	U
129-00-0	Pyrene	1	0.20	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.10	0.027	0.10	0.50	U
95-95-4	2,4,5-Trichlorophenol	1	0.25	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	1	0.25	0.085	0.25	0.50	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	20.6	7.01	34	19 - 119	
Phenol-d6	20.6	6.23	30	18 - 45	
Nitrobenzene-d5	10.3	6.44	62	44 - 120	
2-Fluorobiphenyl	10.3	5.22	51	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14GW20-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409444-02
File ID: 1409444-02.D
Sampled: 09/24/14 09:30
Prepared: 09/29/14 07:52
Analyzed: 10/05/14 16:10
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 970 mL / 1 mL
QC Batch: 1410325
Sequence: 4J06027
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	20.6	13.5	66	43 - 140	
o-Terphenyl	10.3	6.97	68	42 - 125	

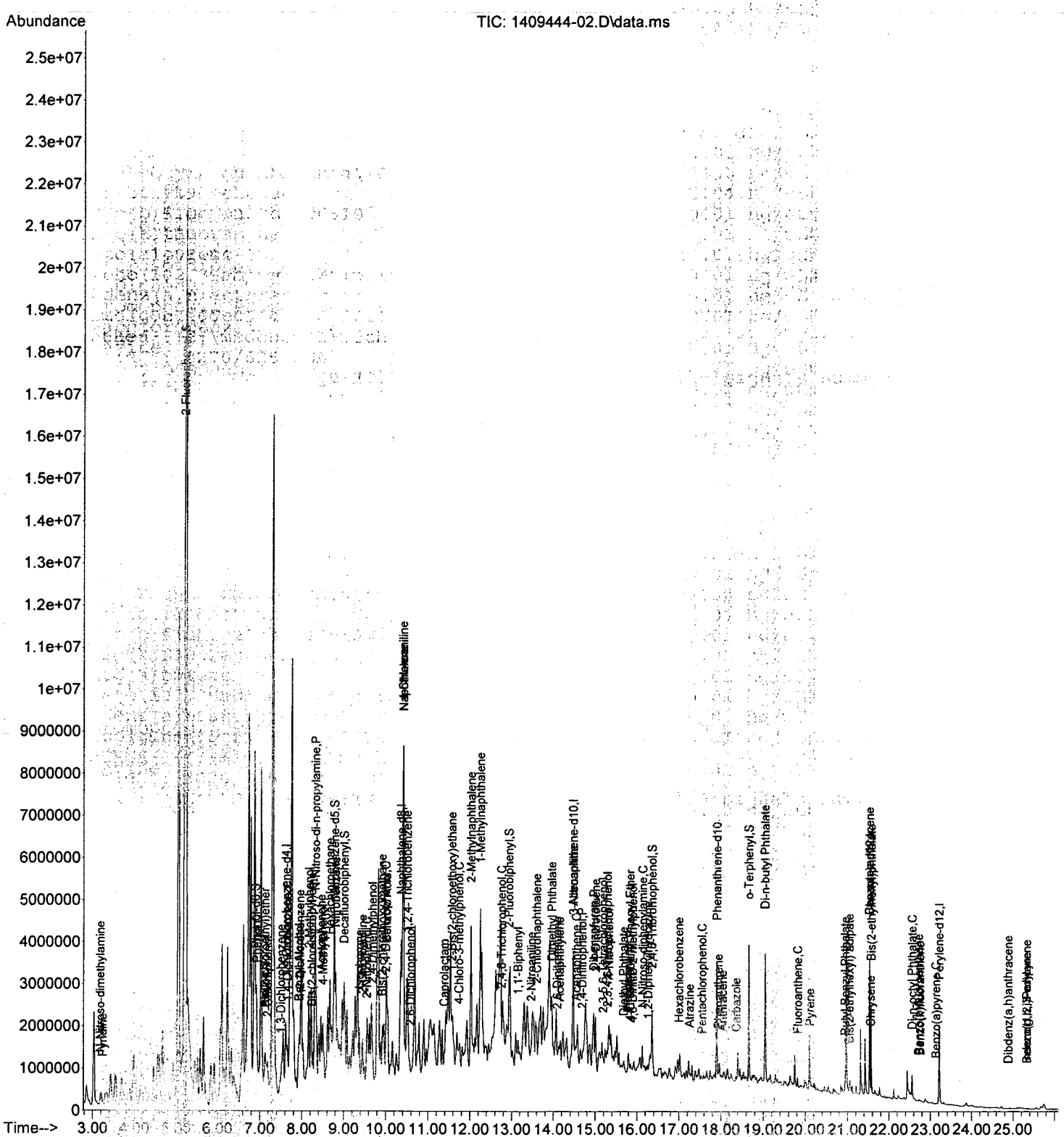
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	414843	7.62	403279	7.614	
Naphthalene-d8	1572089	10.365	1529030	10.359	
Acenaphthene-d10	971059	14.474	866604	14.474	
Phenanthrene-d10	1463322	17.907	1400442	17.901	
Chrysene-d12	1321004	21.533	1153654	21.538	
Perylene-d12	1050598	23.211	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator :
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:44:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:44:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.620	152	414843	5.00	ng/uL	# 0.01
20) Naphthalene-d8	10.365	136	1572089	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.474	164	971059	5.00	ng/uL	# 0.00
66) Phenanthrene-d10	17.907	188	1463322	5.00	ng/uL	0.00
81) Chrysene-d12	21.533	240	1321004	5.00	ng/uL	# 0.00
89) Perylene-d12	23.211	264	1050598	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.201	112	644353	6.80	ng/uL	0.02
6) Phenol-d6	6.903	99	741057	6.04	ng/uL	0.00
21) Nitrobenzene-d5	8.779	82	628154m	6.25	ng/uL	0.00
23) Decafluorobiphenyl	9.007	334	284823	4.04	ng/uL	0.00
47) 2-Fluorobiphenyl	12.941	172	1015011	5.06	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.368	330	290817	13.10	ng/uL	0.00
78) o-Terphenyl	18.665	230	847932	6.76	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.184	74	185	0.00	ng/uL#	1
3) Pyridine	3.242	79	7608	0.07	ng/uL	93
5) Aniline	7.124	93	6415	0.28	ng/uL	88
7) Phenol	6.932	94	19528m	~~0.14~~	ng/uL	
8) Bis(2-chloroethyl)ether	7.124	93	6000	~~0.05~~	ng/uL#	21
9) 2-Chlorophenol	7.182	128	8148	~~0.07~~	ng/uL#	1
10) 1,3-Dichlorobenzene	7.497	146	12347	0.10	ng/uL#	1
11) 1,4-Dichlorobenzene	7.655	146	12377	0.10	ng/uL#	1
12) 1,2-Dichlorobenzene	7.952	146	26594	0.24	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.237	45	3923	0.02	ng/uL#	1
14) Benzyl Alcohol	7.928	108	13632	0.19	ng/uL#	36
15) 2-Methylphenol	8.167	108	26473	0.27	ng/uL#	1
16) Acetophenone	8.459	105	1571599	10.51	ng/uL#	28
17) Hexachloroethane	8.669	119	2006224	~~44.86~~	ng/uL#	7
18) 4-Methylphenol	8.506	108	121862	1.23	ng/uL#	38
19) N-Nitroso-di-n-propyla...	8.325	70	715394	~~9.56~~	ng/uL#	42
22) Nitrobenzene	8.809	77	47025	~~0.43~~	ng/uL#	30
24) Isophorone	9.368	82	23746m	0.12	ng/uL	
25) 2-Chloroaniline	9.450	127	21352	0.17	ng/uL#	34
26) 2-Nitrophenol	9.549	139	1638	0.03	ng/uL#	1
27) 2,4-Dimethylphenol	9.683	107	54240m	0.54	ng/uL	
28) Bis(2-chlorethoxy)methane	9.916	93	32227	~~0.26~~	ng/uL	89
29) 2,4-Dichlorophenol	10.003	162	361	0.00	ng/uL#	17
30) Benzoic Acid	10.027	105	497037	~~8.22~~	ng/uL#	30
31) 1,2,4-Trichlorobenzene	10.505	180	710	0.01	ng/uL	93
32) Naphthalene	10.417	128	6499432	20.71	ng/uL	99
33) 4-Chloroaniline	10.411	127	780374	~~10.16~~	ng/uL	93
34) 2,6-Dichlorophenol	10.581	162	21538m	0.27	ng/uL	
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.391	55	34670	0.77	ng/uL#	21
37) 1,2-Bis(2-chloroethoxy...	11.571	63	31546	0.31	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.740	107	3615	0.04	ng/uL#	1
39) 2-Methylnaphthalene	12.032	142	1523435	7.62	ng/uL	99
40) 1-Methylnaphthalene	12.253	142	1734269	9.53	ng/uL	99
41) 1,3 Dinitrobenzene	13.979	168	2744	Below Cal		100

002278

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:44:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	12.760	196	3490	0.06	ng/uL#	1
46) 2,4,5-Trichlorophenol	12.760	196	3213	0.06	ng/uL#	1
48) 2-Chloronaphthalene	13.606	162	26463	0.14	ng/uL	89
49) 1,1'-Biphenyl	13.157	154	261174	1.02	ng/uL	99
50) 2-Nitroaniline	13.472	138	1992	0.03	ng/uL#	1
51) Acenaphthylene	14.153	152	19241	0.06	ng/uL#	33
52) 2,6-Dinitrotoluene	14.095	165	8088	0.16	ng/uL#	52
53) Dimethyl Phthalate	13.967	163	27446	0.13	ng/uL	100
54) 3-Nitroaniline	14.480	138	11635	0.26	ng/uL#	1
55) Acenaphthene	14.550	153	26102m	0.13	ng/uL	
56) 2,4-Dinitrophenol	14.690	184	418	2.85	ng/uL#	26
57) Dibenzofuran	14.969	168	47893m	0.18	ng/uL	
58) 4-Nitrophenol	15.331	65	24852	0.63	ng/uL	91
59) 2,4-Dinitrotoluene	15.010	165	23986	0.38	ng/uL#	58
60) 2,3,5,6-Tetrachlorophenol	15.191	232	418	0.01	ng/uL#	1
61) 2,3,4,6-Tetrachlorophenol	15.296	232	647	0.01	ng/uL#	1
62) Fluorene	15.785	166	44018	0.20	ng/uL#	96
63) Diethyl Phthalate	15.681	149	48658m	0.25	ng/uL	
64) 4-Chlorophenyl Phenyl ...	15.838	204	2013	0.02	ng/uL#	1
65) 4-Nitroaniline	15.785	138	33959	1.07	ng/uL#	14
67) 4,6-Dinitro-2-methylph...	15.902	198	9506	1.24	ng/uL#	22
68) N-Nitroso-diphenylamine	16.141	169	22103	0.14	ng/uL#	60
69) 1,2-Diphenylhydrazine	16.269	182	28773m	0.49	ng/uL	
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	17.004	284	565	0.01	ng/uL#	27
73) Atrazine	17.254	200	443	0.01	ng/uL	93
74) Pentachlorophenol	17.552	266	3430	0.11	ng/uL#	10
75) Phenanthrene	17.942	178	35067	0.12	ng/uL#	82
76) Anthracene	18.041	178	6098	0.02	ng/uL#	27
77) Carbazole	18.368	167	2756	0.01	ng/uL#	1
79) Di-n-butyl Phthalate	19.044	149	232481	0.83	ng/uL#	95
80) Fluoroanthene	19.819	202	11687	0.04	ng/uL#	77
82) Pyrene	20.110	202	12935	0.04	ng/uL#	1
83) Butyl Benzyl Phthalate	20.944	149	20411	0.16	ng/uL	83
84) Bis(2-ethylhexyl) adipate	21.043	129	9139	0.14	ng/uL#	100
85) Benzo(a)anthracene	21.533	228	6653	0.03	ng/uL#	3
86) Chrysene	21.562	228	3217	0.01	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.573	149	570219	3.60	ng/uL	91
88) Di-n-octyl Phthalate	22.564	149	202380	1.04	ng/uL#	79
90) Benzo(b)fluoroanthene	22.722	252	2003	0.01	ng/uL#	1
91) Benzo(k)fluoranthene	22.757	252	1494	0.01	ng/uL#	58
92) Benzo(a)pyrene	23.135	252	1050	0.01	ng/uL#	64
93) Indeno(1,2,3-cd)pyrene	25.333	276	1513	0.01	ng/uL#	65
94) Dibenz(a,h)anthracene	24.884	278	985	0.01	ng/uL	94
95) Benzo(g,h,i)perylene	25.333	276	1513	0.01	ng/uL#	68

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:20:58 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

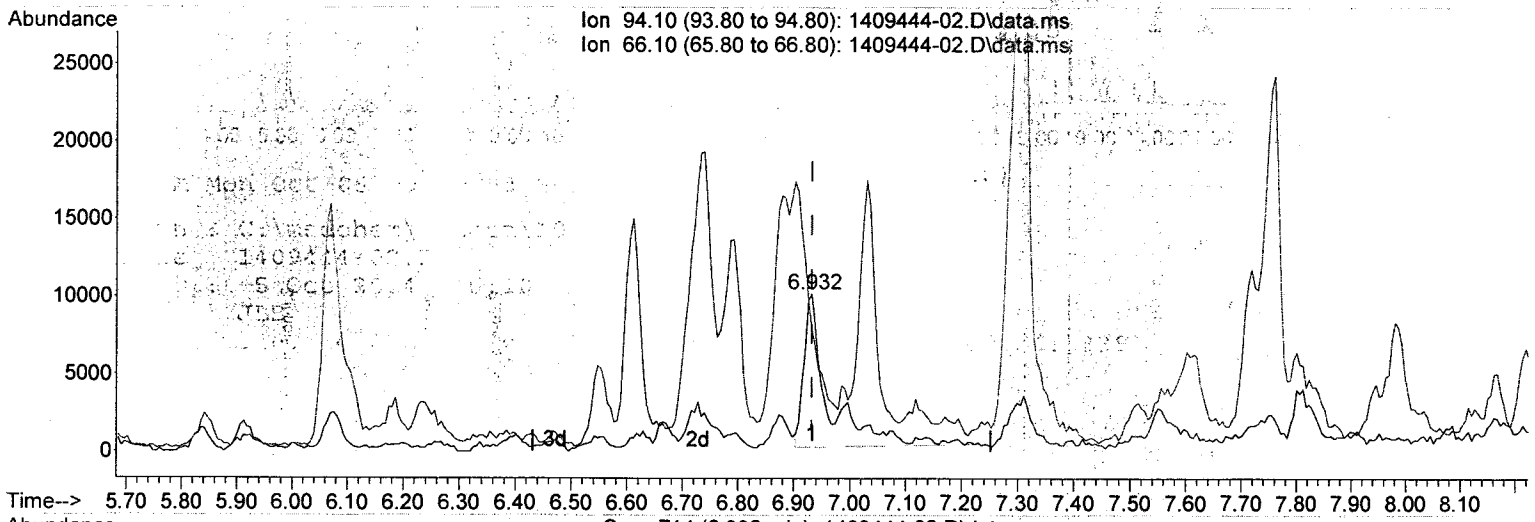
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.620	152	405458	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.365	136	1572265	5.00	ng/uL		0.01
11) Acenaphthene-d10	14.474	164	987689	5.00	ng/uL	#	0.00
16) Phenanthrene-d10	17.907	188	1470008	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	1321004	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1073006	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.184	74	185	0.00	ng/uL	#	1
3) Pyridine	3.242	79	7750	0.07	ng/uL	#	14
4) Aniline	7.124	93	6108	0.04	ng/uL		91
5) Benzaldehyde	6.739	105	6361126	71.44	ng/uL	#	79
6) Acetophenone	8.459	105	1571599	10.18	ng/uL	#	28
7) N-Nitroso-di-n-propyla...	8.698	70	126672	1.62	ng/uL		85
9) 4-Chloroaniline	10.685	127	18541	~~0.16~~	ng/uL		86
10) Caprolactam	11.350	55	114184	2.34	ng/uL	#	38
12) 1,1'-Biphenyl	13.157	154	261174	0.89	ng/uL		99
13) 2-Nitroaniline	13.472	138	1992	~~0.04~~	ng/uL	#	1
14) 3-Nitroaniline	14.375	138	9438	~~0.11~~	ng/uL	#	92
15) 4-Nitroaniline	15.873	138	952	Below Cal		#	56
17) N-Nitroso-diphenylamine	16.141	169	22103	0.13	ng/uL	#	60
18) Atrazine	17.645	200	431	Below Cal			87
20) Benzidine	19.813	184	59609	0.72	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.515	252	452	0.01	ng/uL	#	81

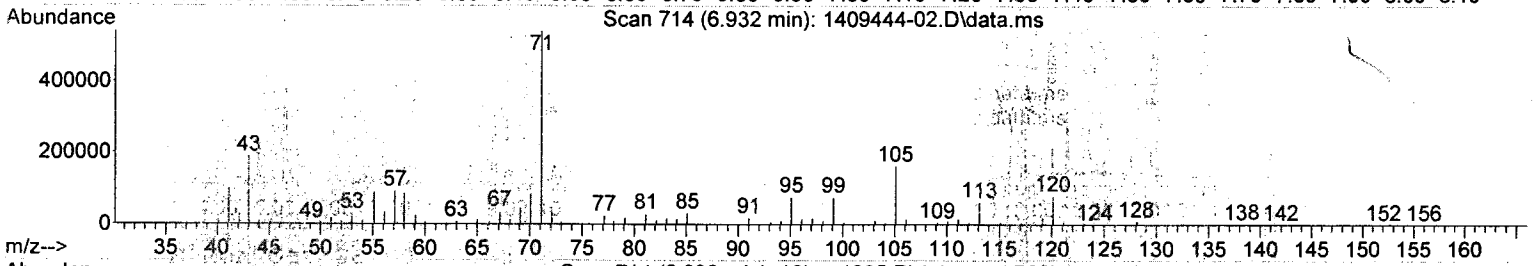
(#) = qualifier out of range (m) = manual integration (+) = signals summed

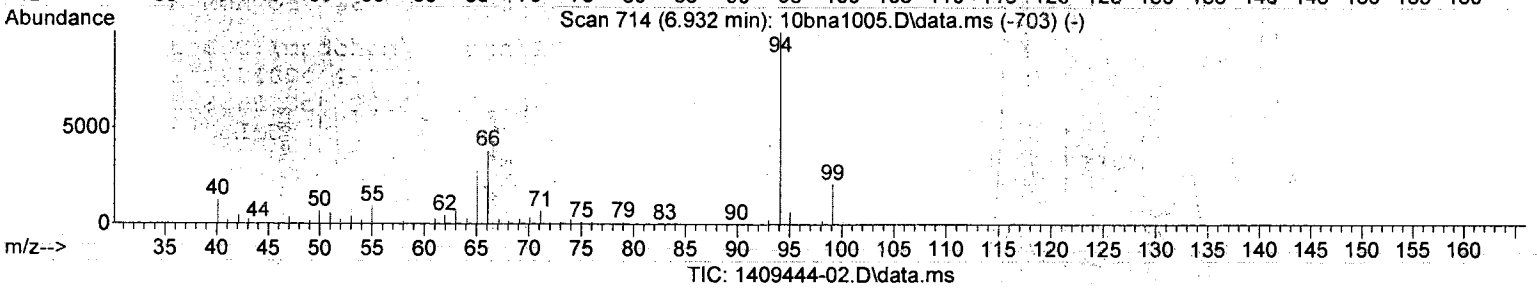
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(7) Phenol (C)

6.932min (+ 0.000) 0.22 ng/uL

response 30737

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

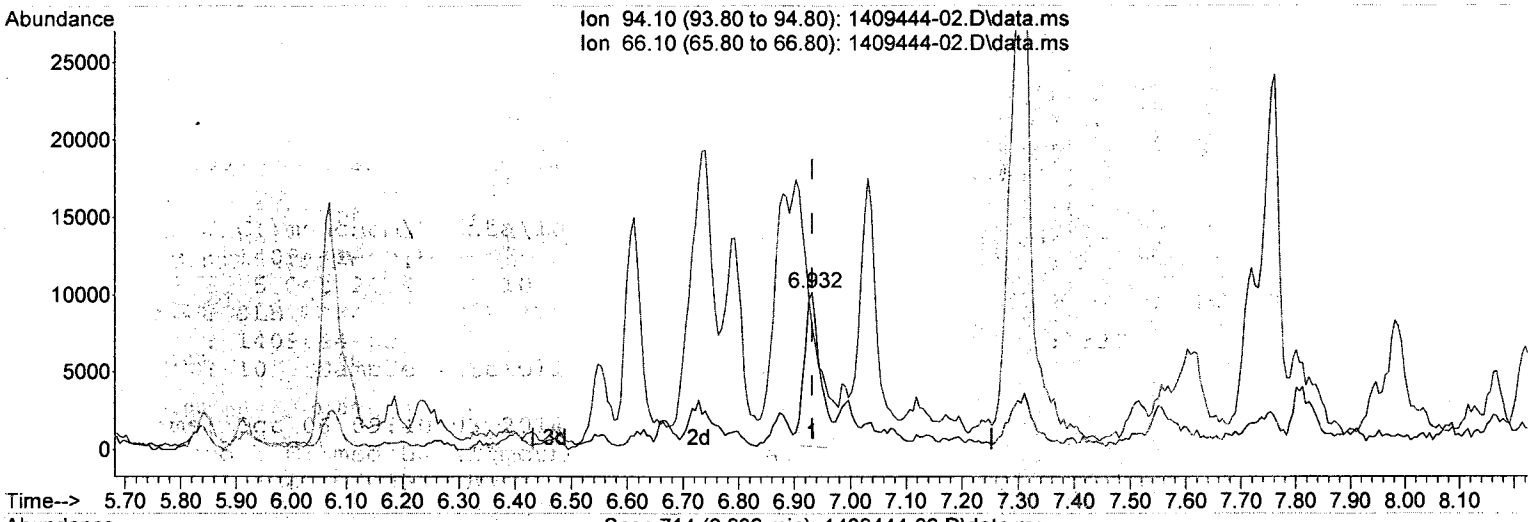
PS

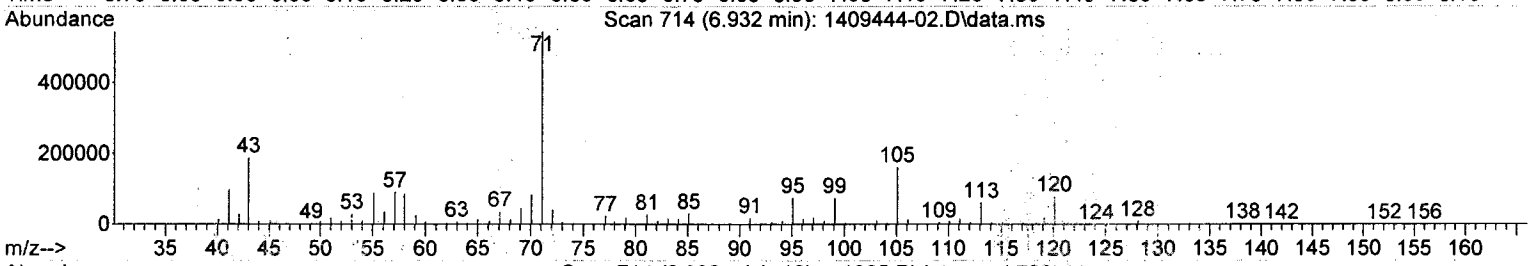
JLB 10/6/14

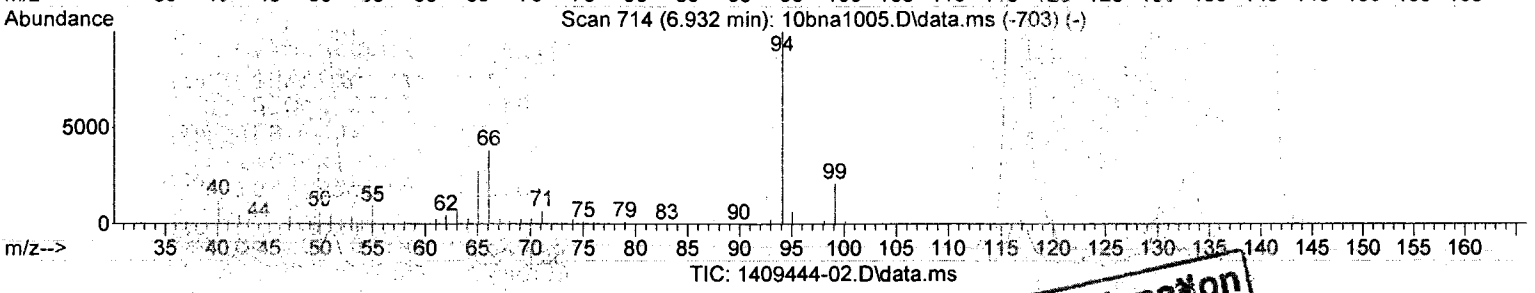
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(7) Phenol (C)

6.932min (+ 0.000) 0.14 ng/uL m

response 19528

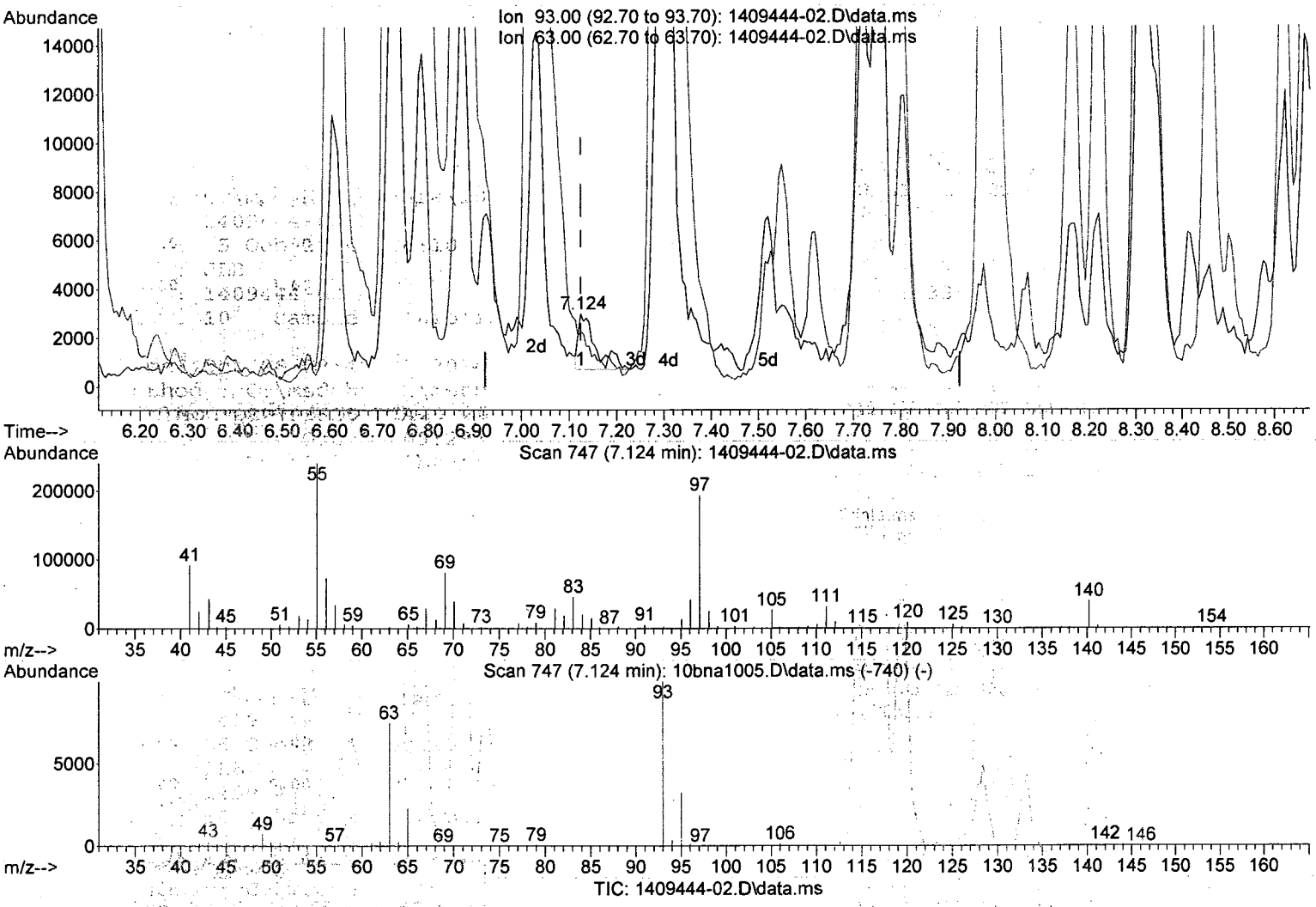
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 3: Incorrect baseline drawn by the software.
Flagged on Quantitation Report: Yes / No
Analyst: [signature] Date: 10/6/14
Reviewed By: [signature] Date: 10/10/14
PS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(8) Bis(2-chloroethyl)ether

7.124min (+ 0.000) 0.05 ng/uL

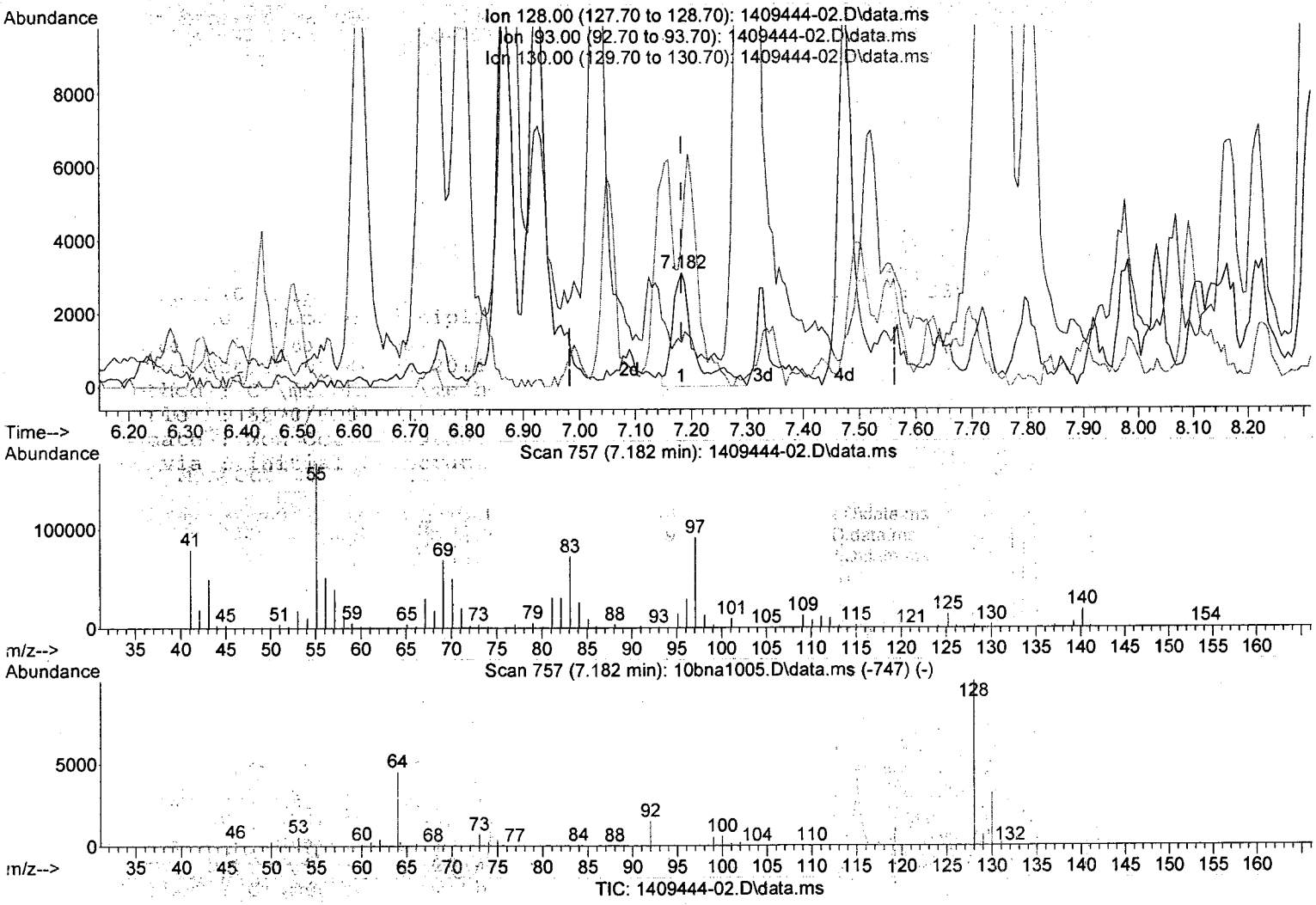
response 6000

Ion	Exp%	Act%
93.00	100.00	100.00
63.00	59.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(9) 2-Chlorophenol

7.182min (+ 0.000) 0.07 ng/uL

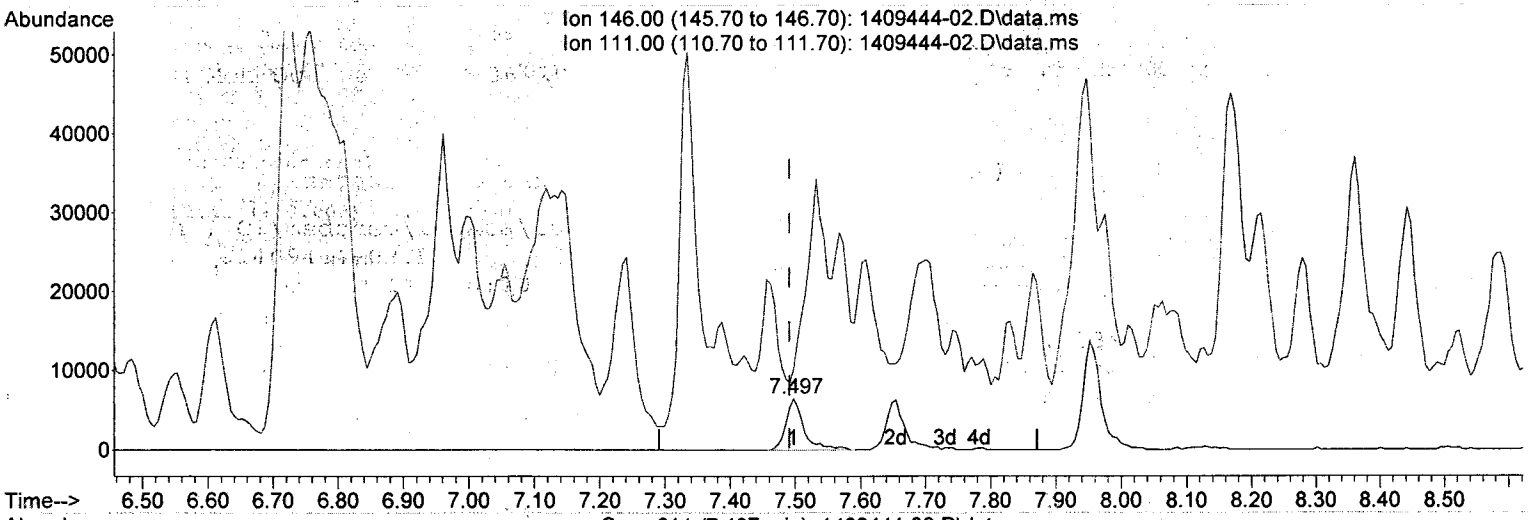
response 8148

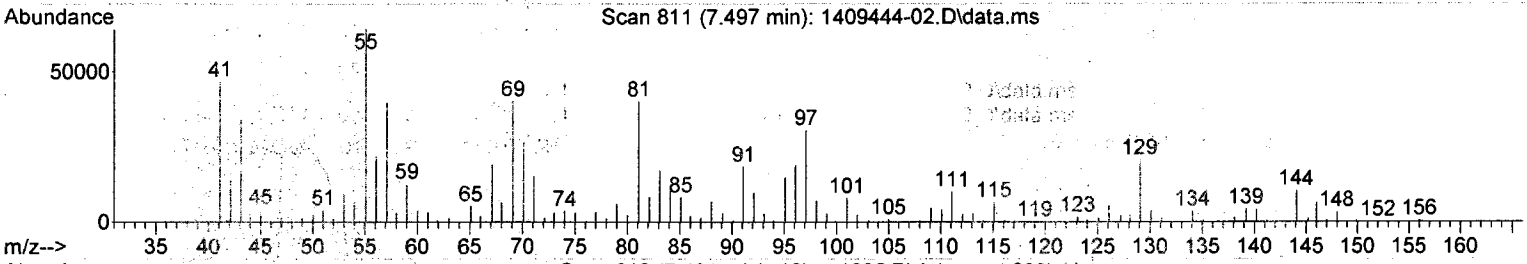
Ion	Exp%	Act%
128.00	100.00	100.00
93.00	31.90	1.34#
130.00	31.90	331.60#
0.00	0.00	0.00

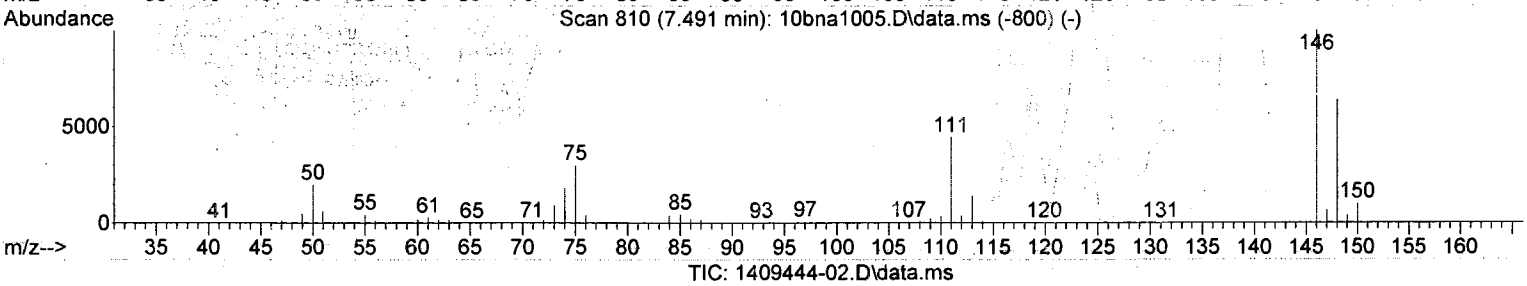
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(10) 1,3-Dichlorobenzene

7.497min (+ 0.006) 0.10 ng/uL

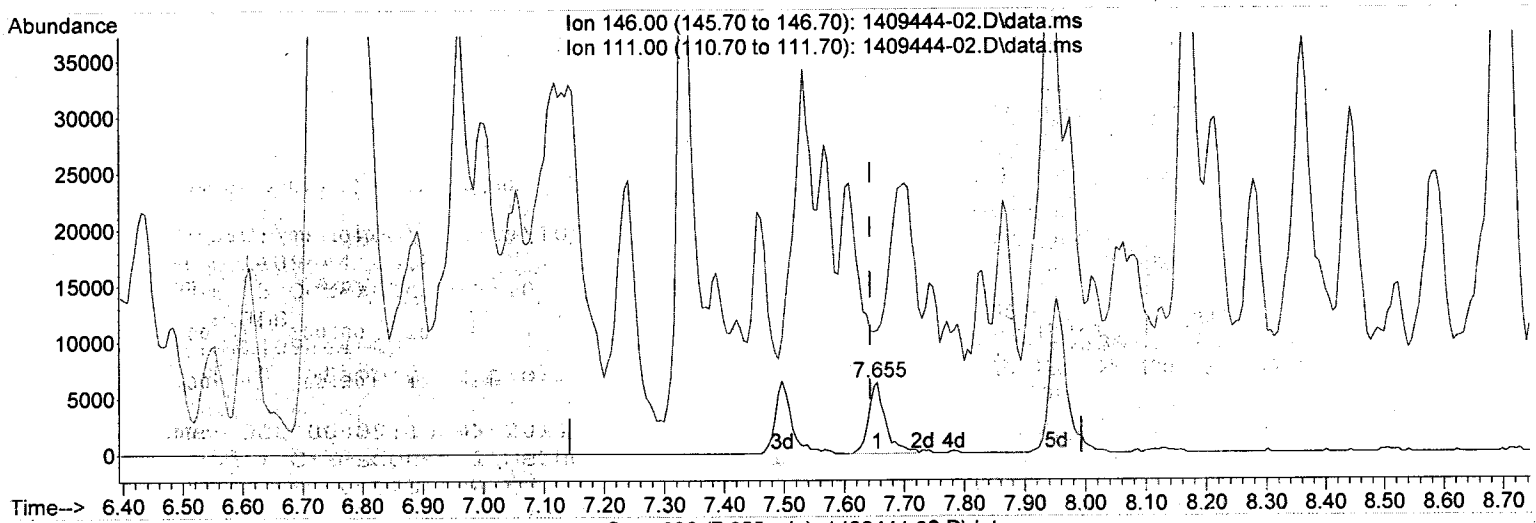
response 12347

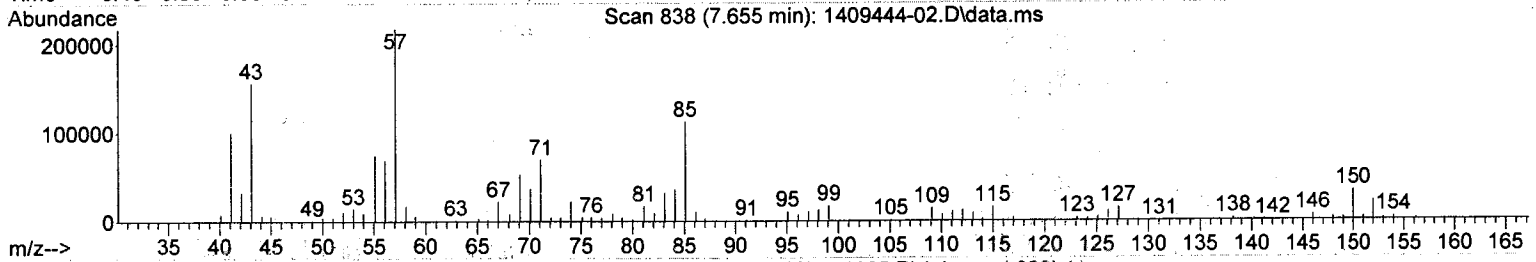
Ion	Exp%	Act%
146.00	100.00	100.00
111.00	41.20	463.63#
0.00	0.00	0.00
0.00	0.00	0.00

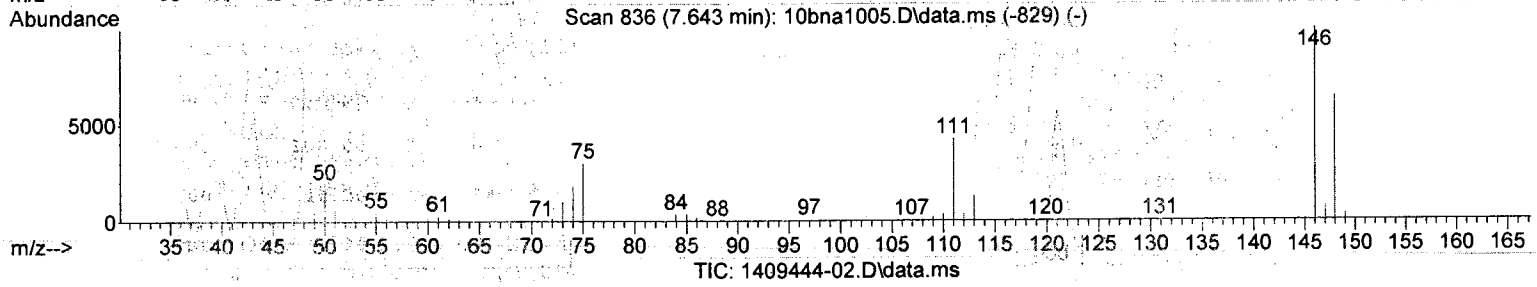
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(11) 1,4-Dichlorobenzene (C)

7.655min (+ 0.012) 0.10 ng/uL

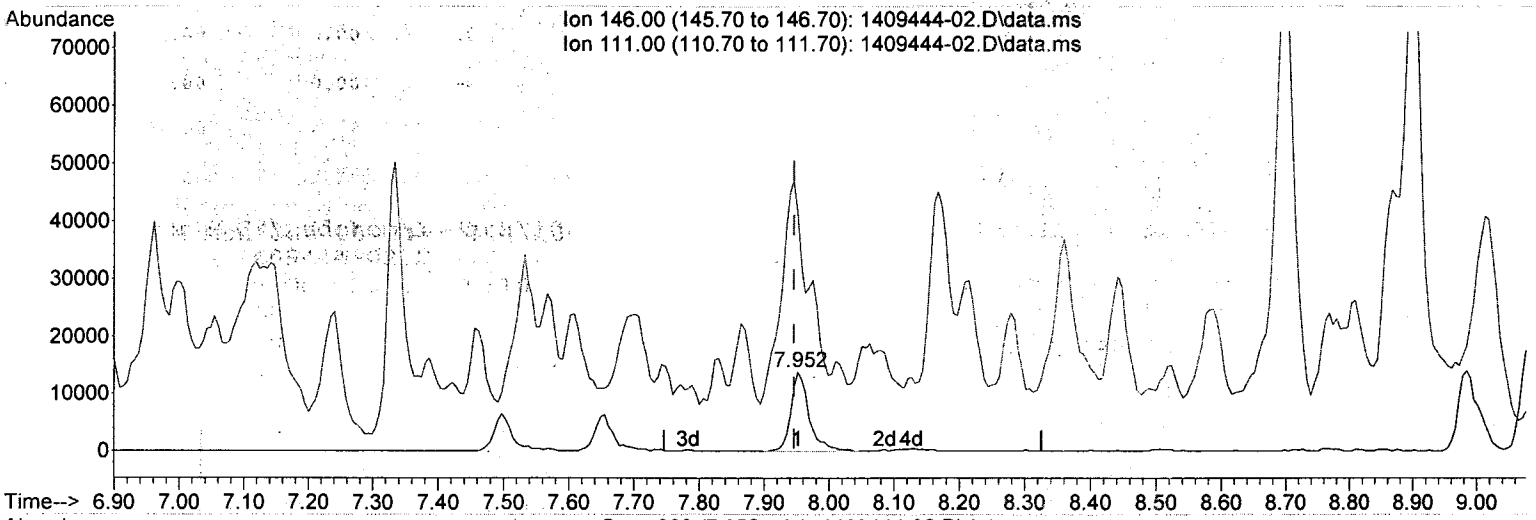
response 12377

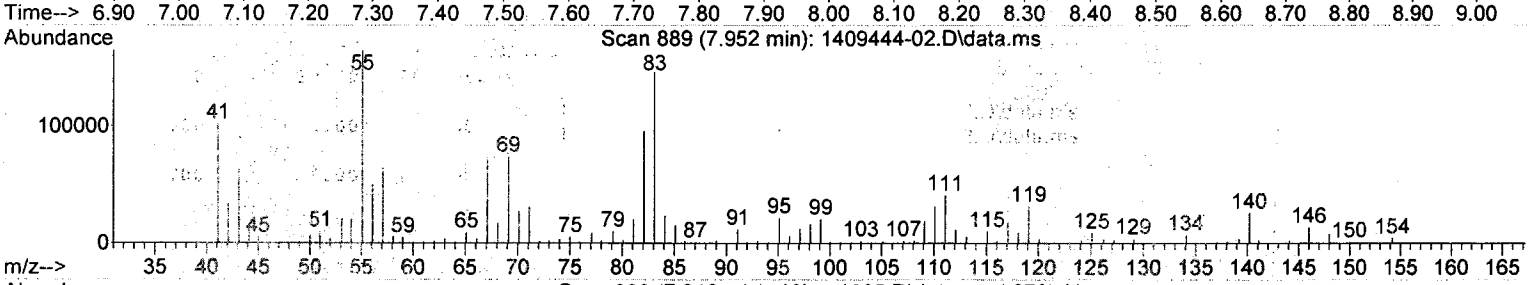
Ion	Exp%	Act%
146.00	100.00	100.00
111.00	39.70	300.45#
0.00	0.00	0.00
0.00	0.00	0.00

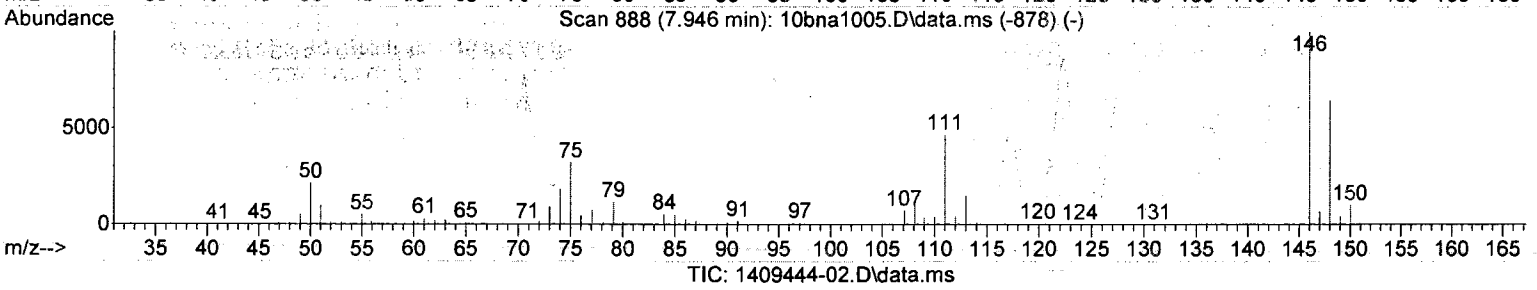
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(12) 1,2-Dichlorobenzene

7.952min (+ 0.006) 0.24 ng/uL

response 26594

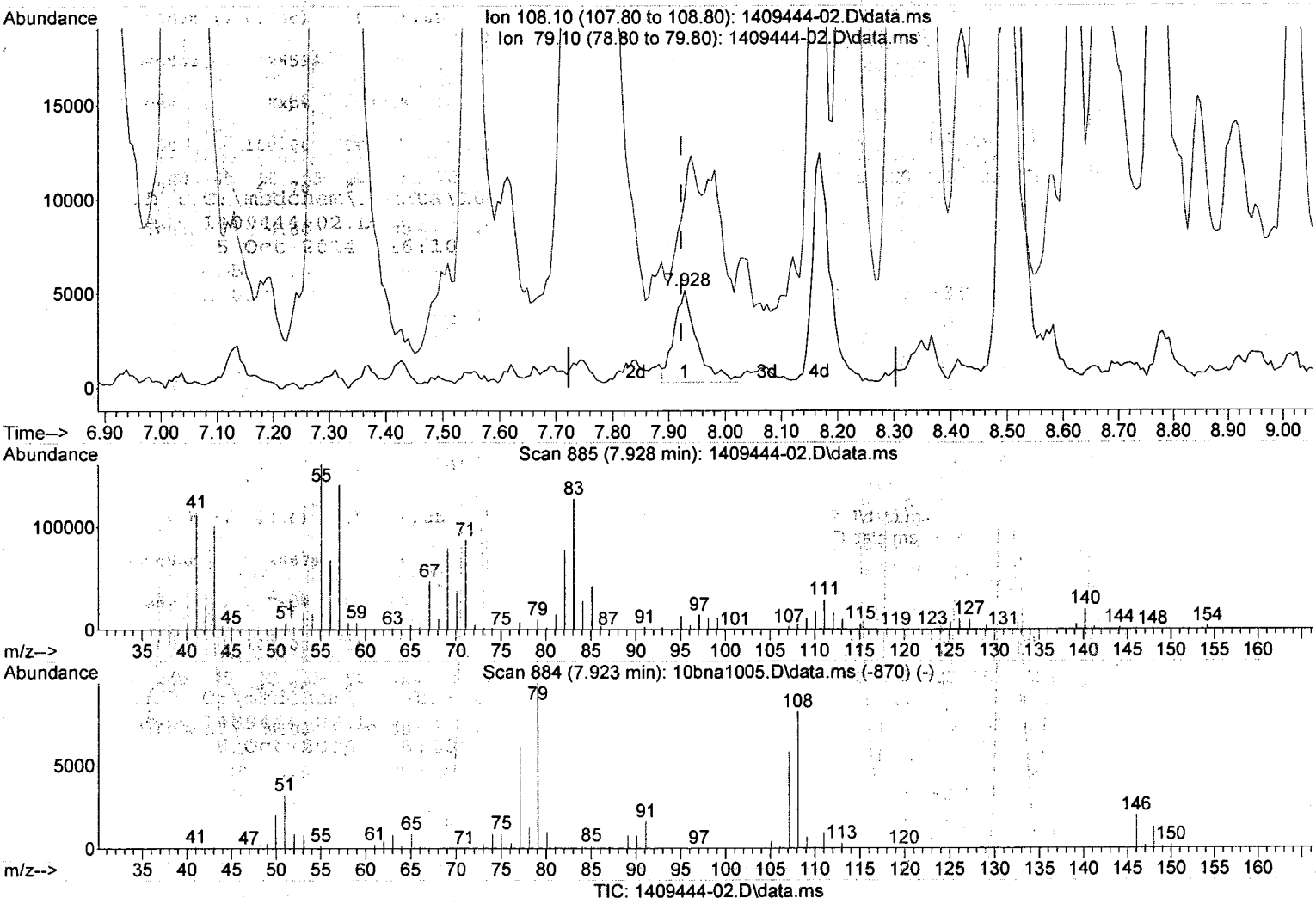
Ion	Exp%	Act%
146.00	100.00	100.00
111.00	41.70	431.97#
0.00	0.00	0.00
0.00	0.00	0.00

002287

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(14) Benzyl Alcohol

7.928min (+ 0.006) 0.19 ng/uL

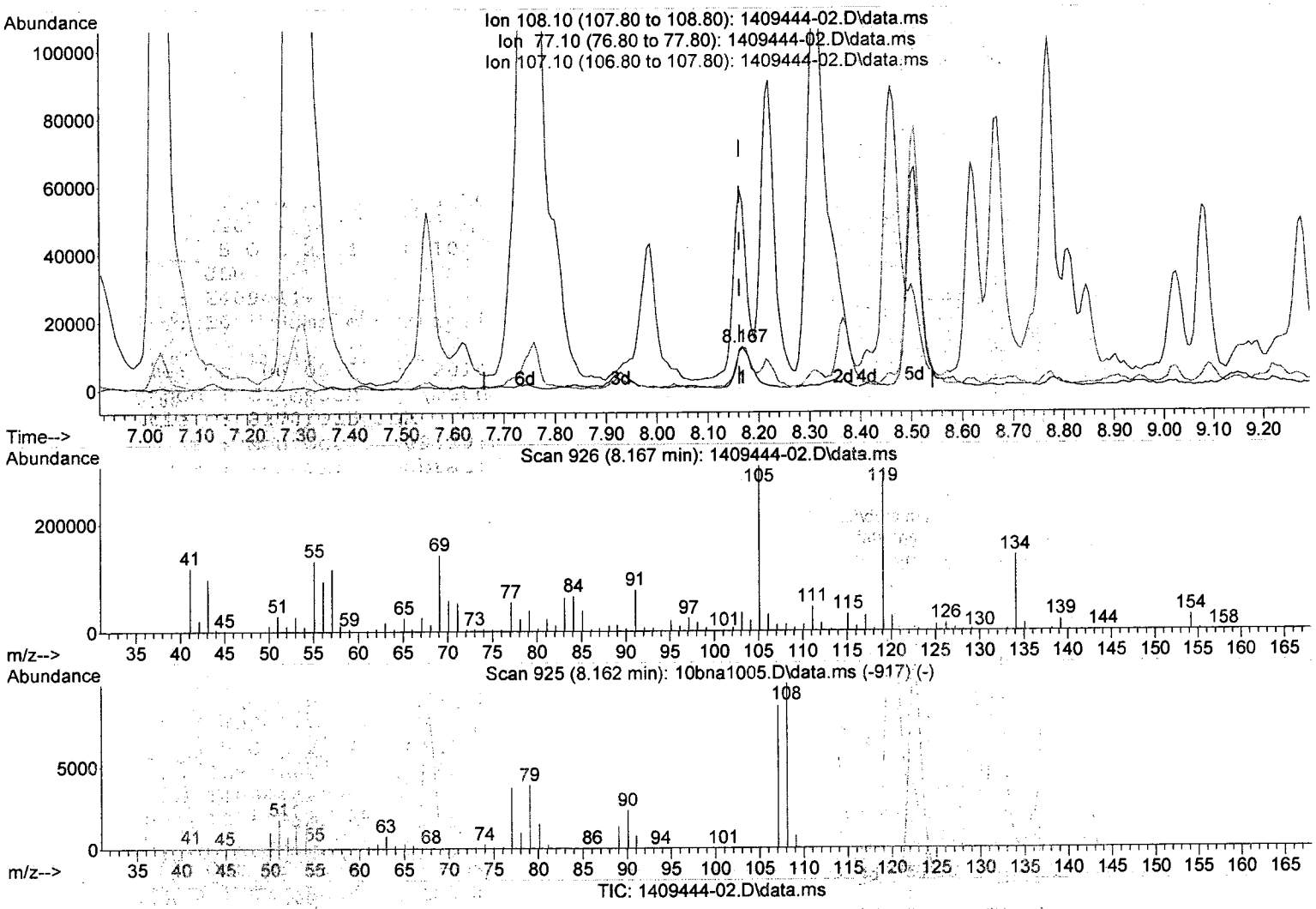
response 13632

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	215.46#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(15) 2-Methylphenol

8.167min (+ 0.006) 0.27 ng/uL

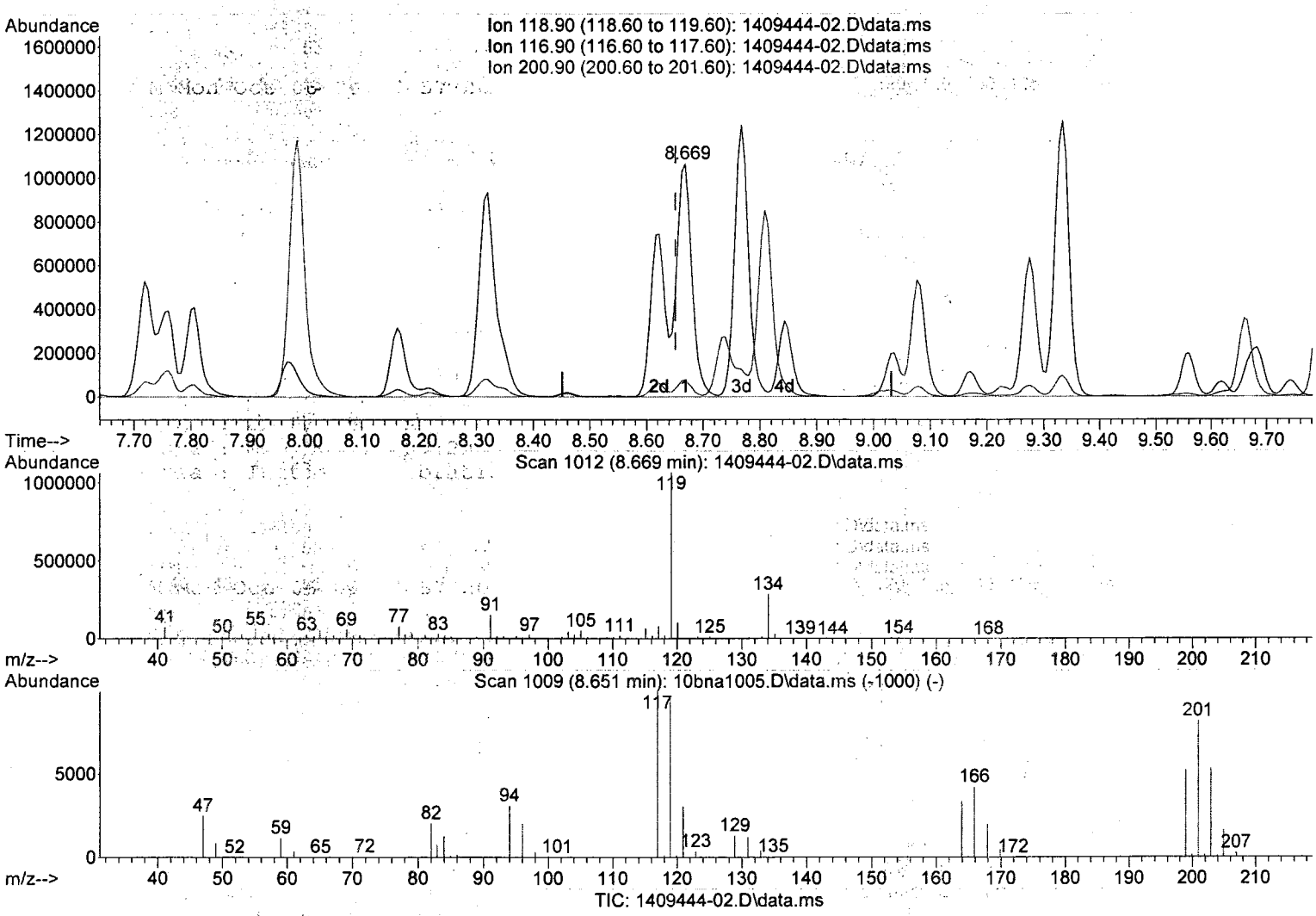
response 26473

Ion	Exp%	Act%
108.10	100.00	100.00
77.10	58.70	404.96#
107.10	92.00	141.98#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(17) Hexachloroethane

8.669min (+ 0.018) 44.86 ng/uL

response 2006224

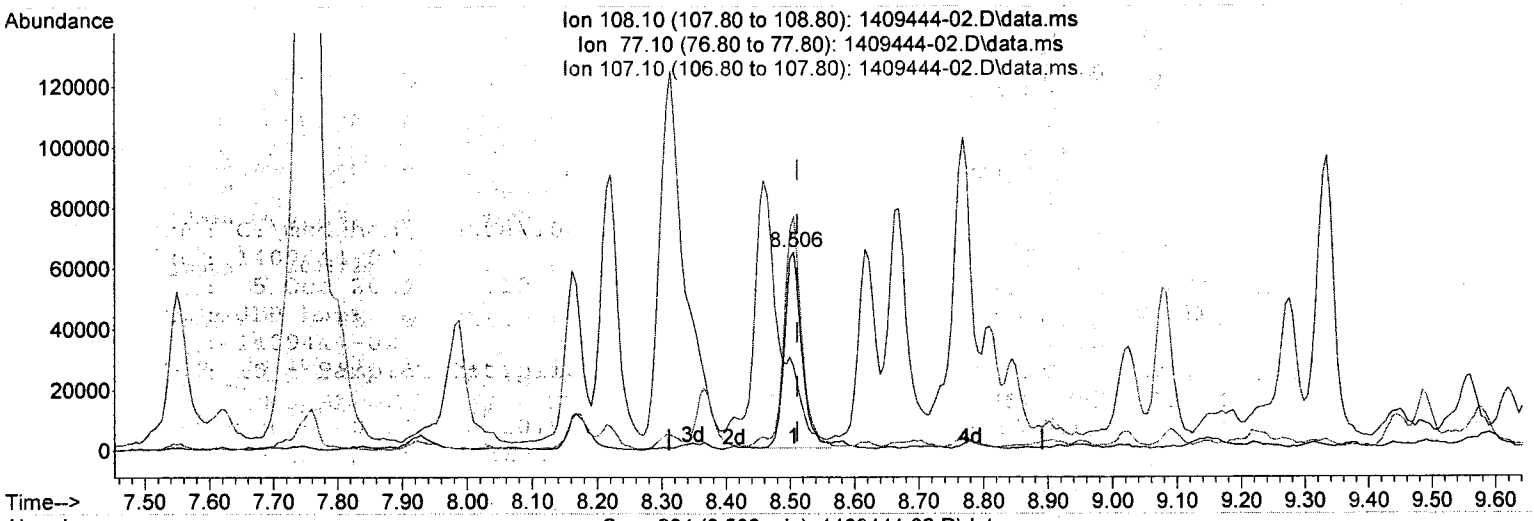
Ion	Exp%	Act%
118.90	100.00	100.00
116.90	100.10	7.14#
200.90	85.90	0.00#
0.00	0.00	0.00

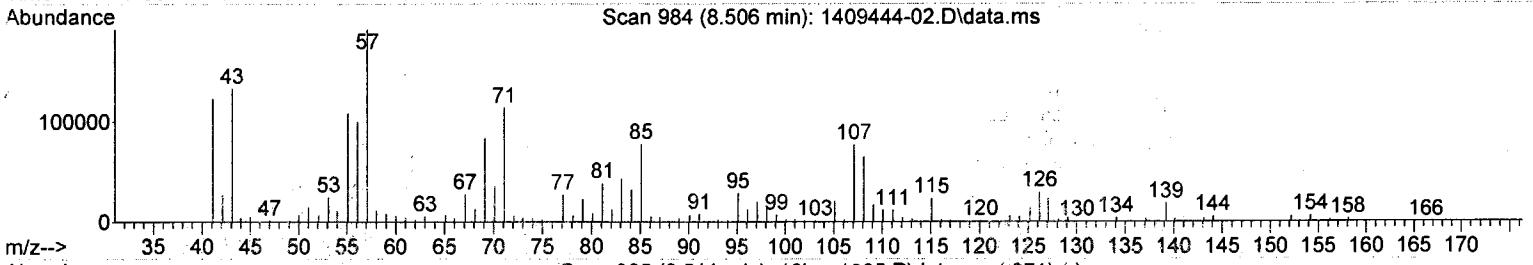
002290

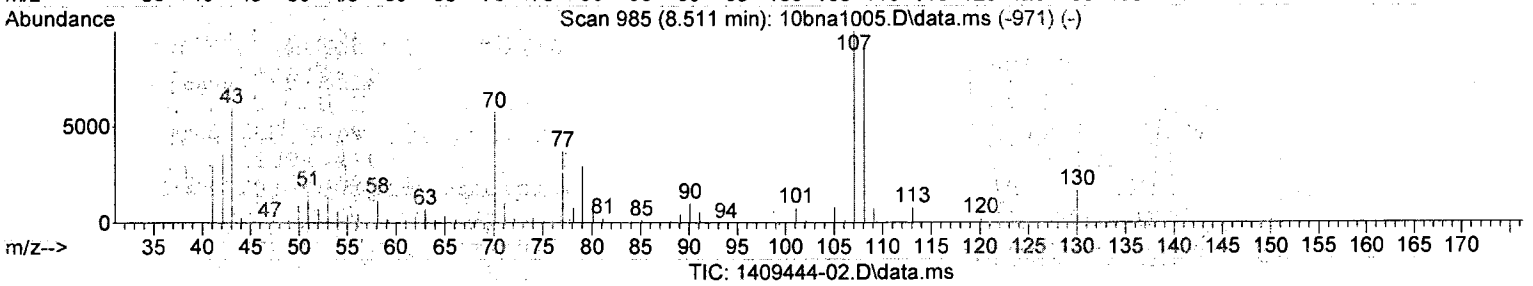
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(18) 4-Methylphenol

8.506min (-0.006) 1.23 ng/uL

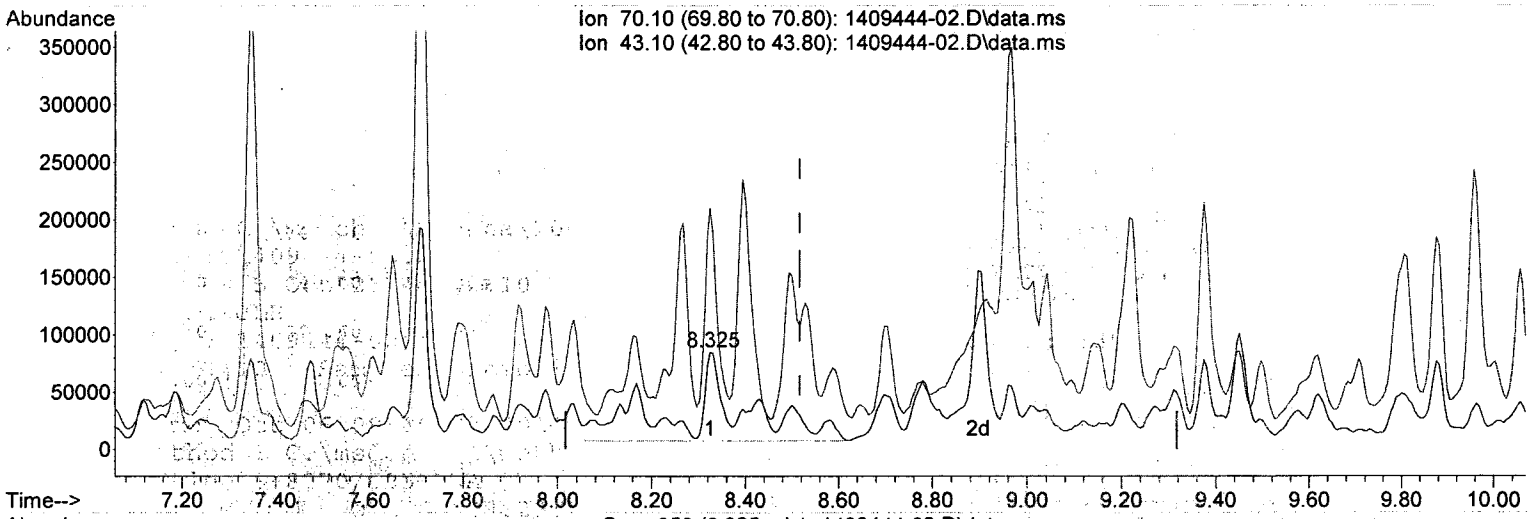
response 121862

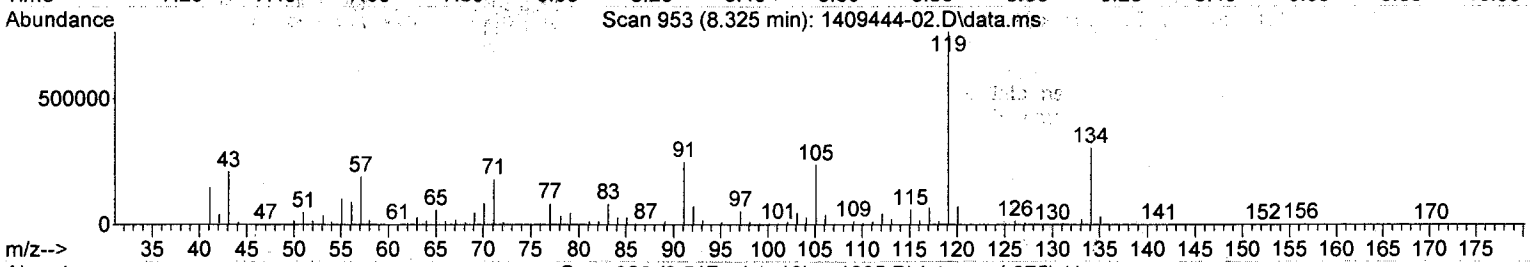
Ion	Exp%	Act%
108.10	100.00	100.00
77.10	40.00	191.30#
107.10	120.60	119.85
0.00	0.00	0.00

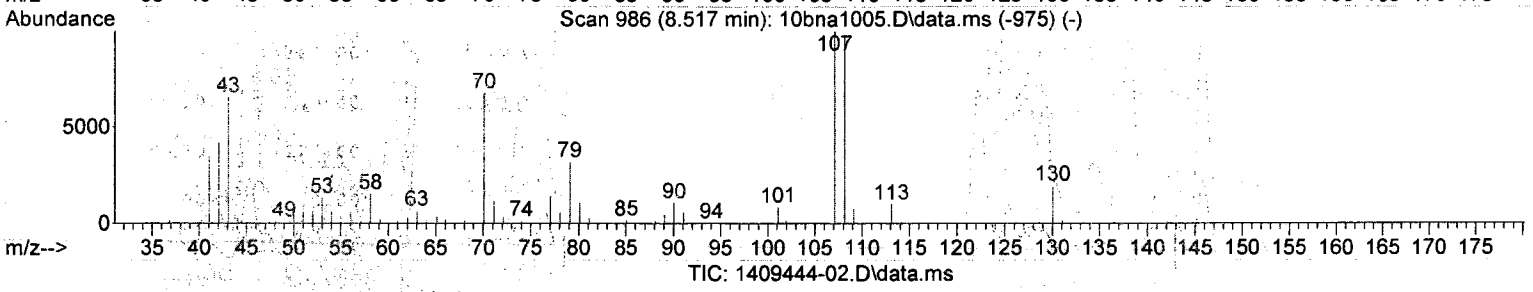
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(19) N-Nitroso-di-n-propylamine (P)

8.325min (-0.192) 9.56 ng/uL

response 715394

Ion	Exp%	Act%
70.10	100.00	100.00
43.10	98.40	41.06#
0.00	0.00	0.00
0.00	0.00	0.00

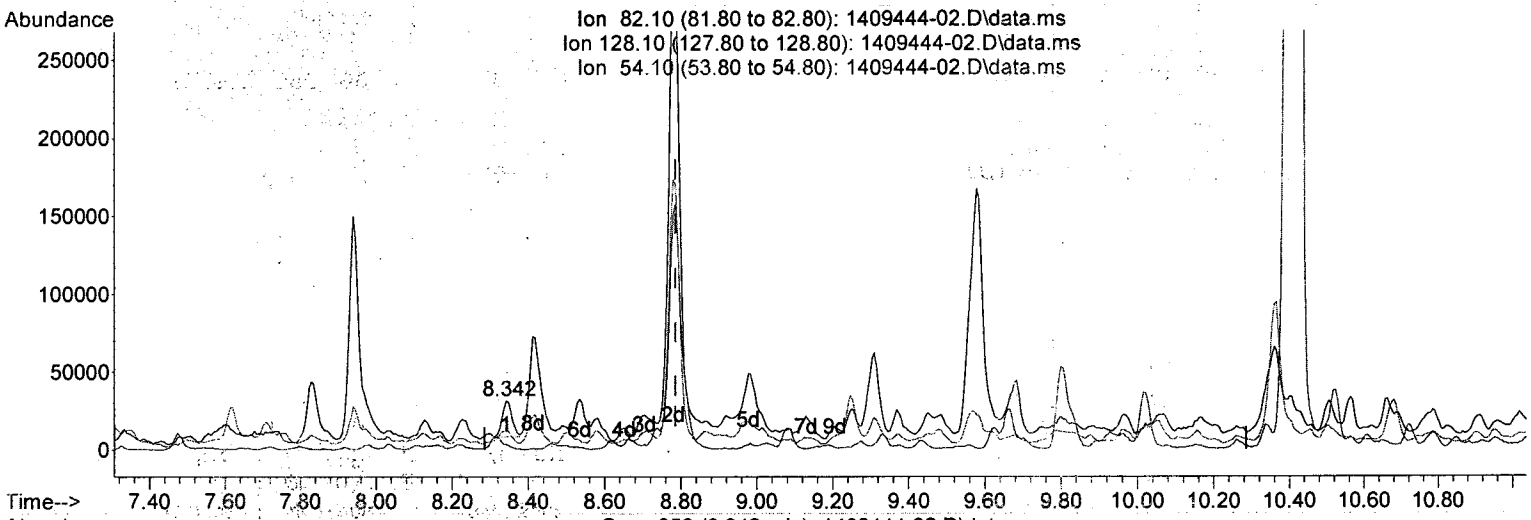
AT PS JLB 10/6/14

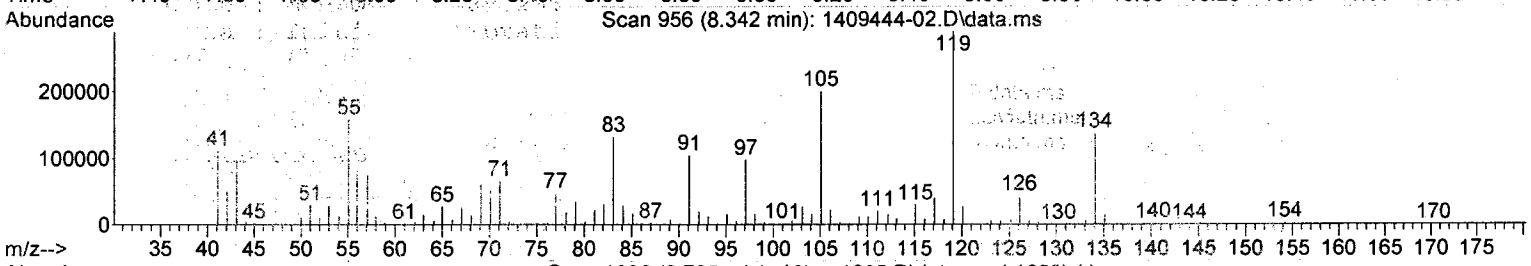
002292

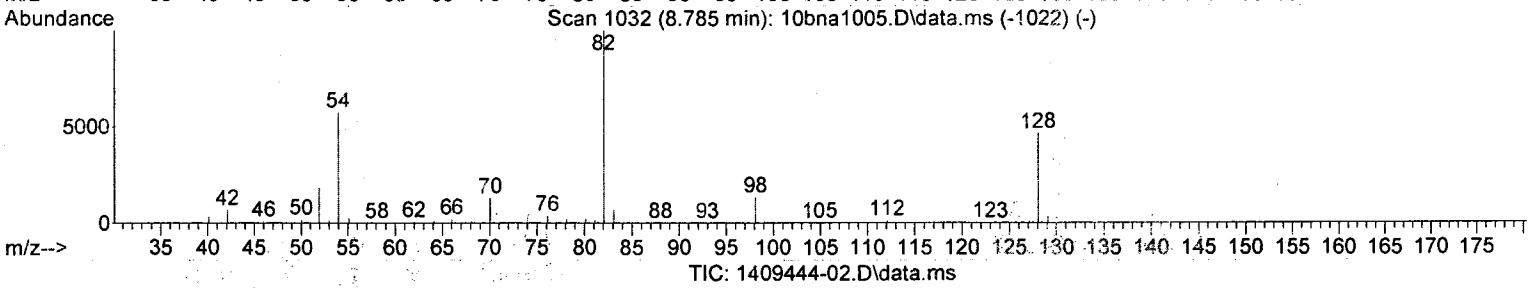
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(21) Nitrobenzene-d5 (S)

8.342min (-0.443) 0.41 ng/uL

response 40747

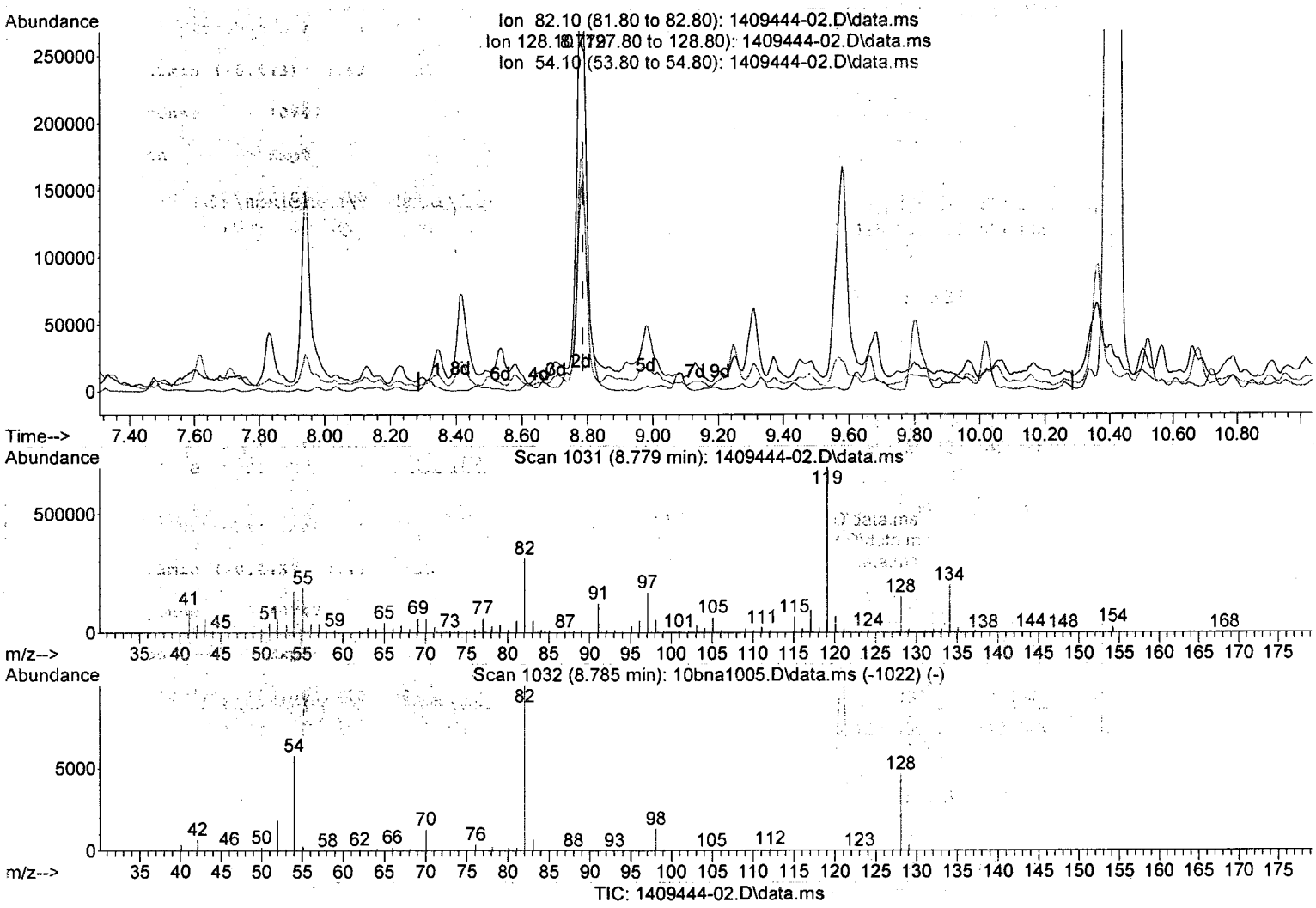
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	45.60	46.40
54.10	51.30	48.04
0.00	0.00	0.00

JWS 10/6/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(21) Nitrobenzene-d5 (S)

8.779min (-0.006) 6.25 ng/uL m

response 628154

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	45.80	3.01#
54.10	51.30	3.12#
0.00	0.00	0.00

Manual Integration Explanation

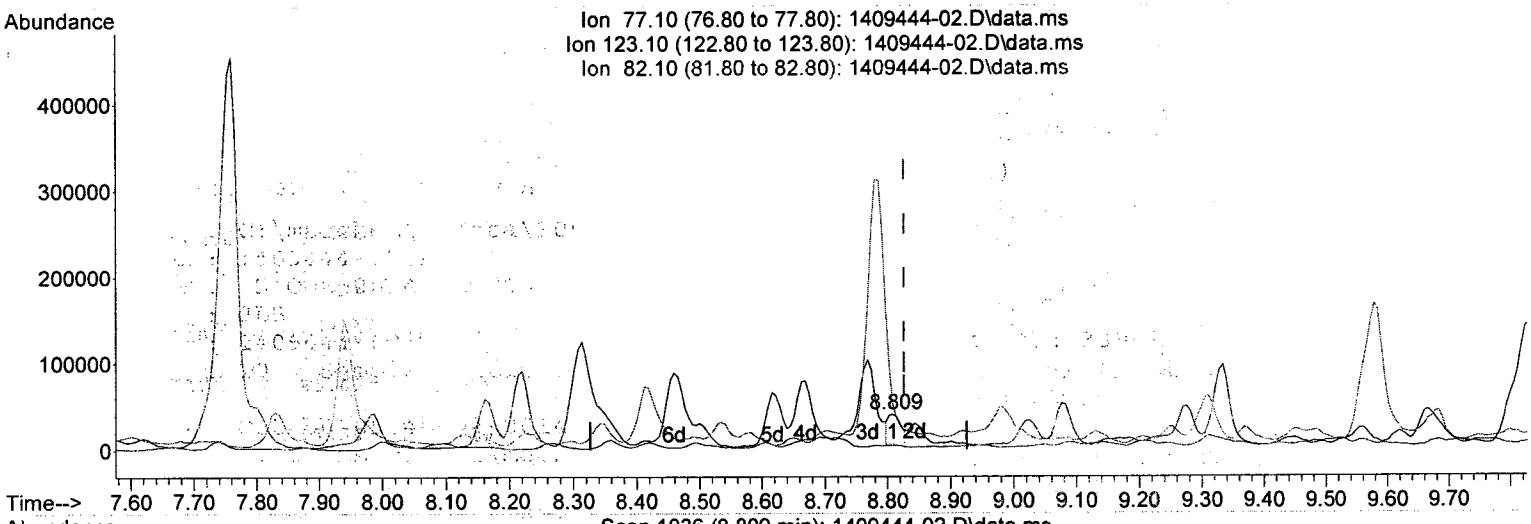
Reason 1: Incorrect peak integrated by the software.

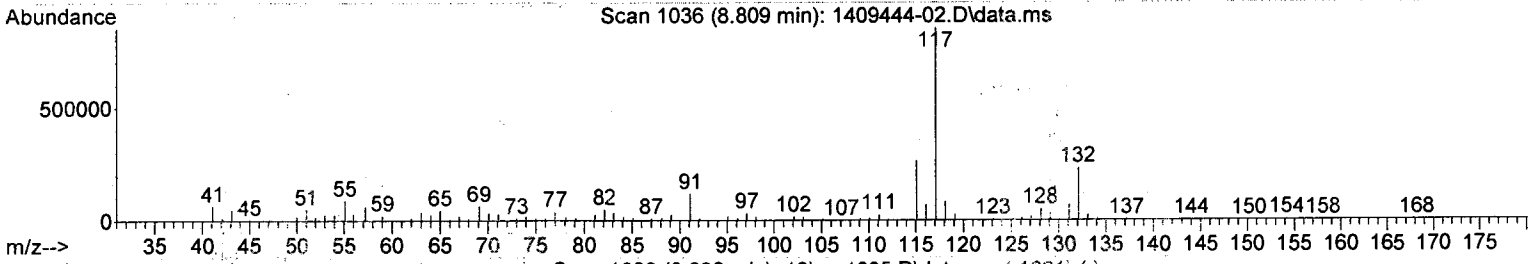
Flagged on Quantitation Report: (Yes / No)
Analyst: JWS Date: 10/10/14
Reviewed By: JESC Date: 10/10/14

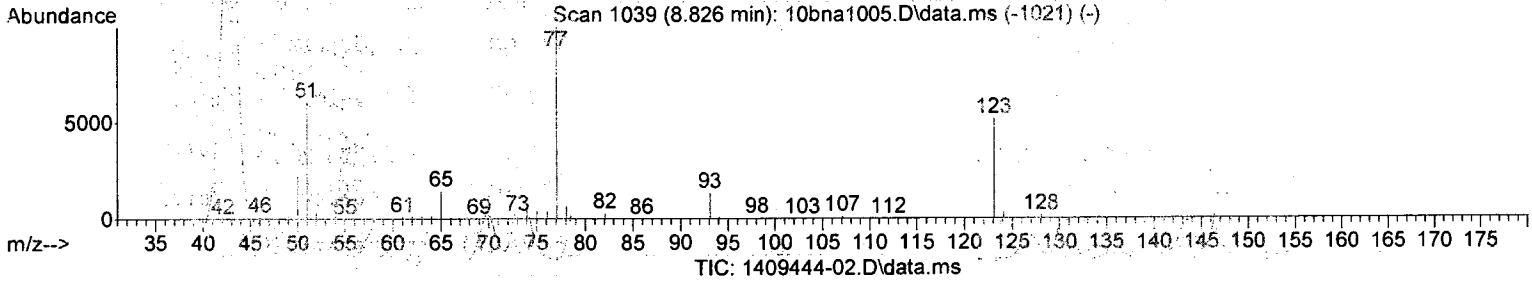
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(22) Nitrobenzene

8.809min (-0.017) 0.43 ng/uL

response 47025

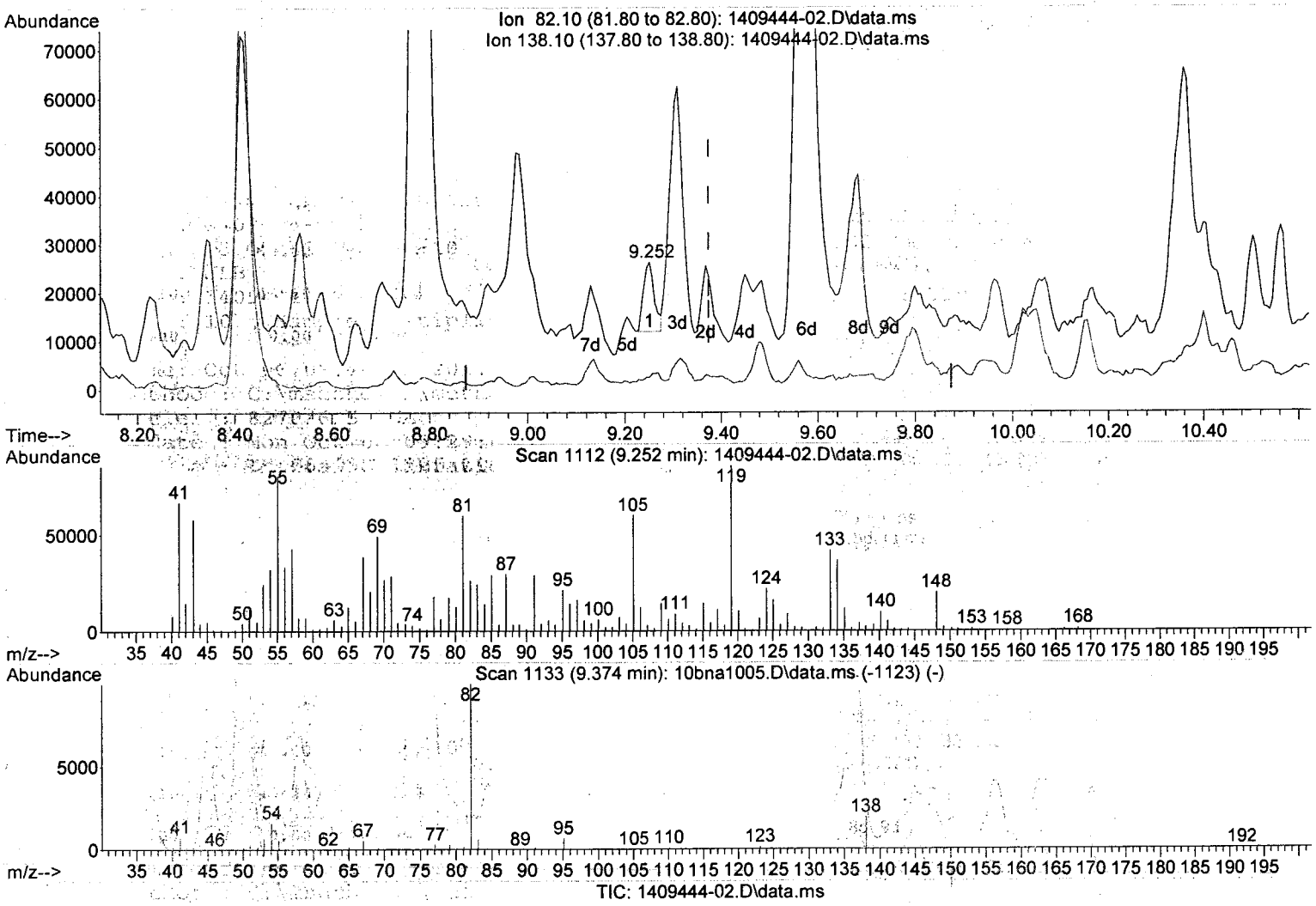
Ion	Exp%	Act%
77.10	100.00	100.00
123.10	48.00	0.00#
82.10	45.20	0.00#
0.00	0.00	0.00

002295

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(24) Isophorone

9.252min (-0.122) 0.11 ng/uL

response 22557

Ion	Exp%	Act%
82.10	100.00	100.00
138.10	18.90	19.01
0.00	0.00	0.00
0.00	0.00	0.00

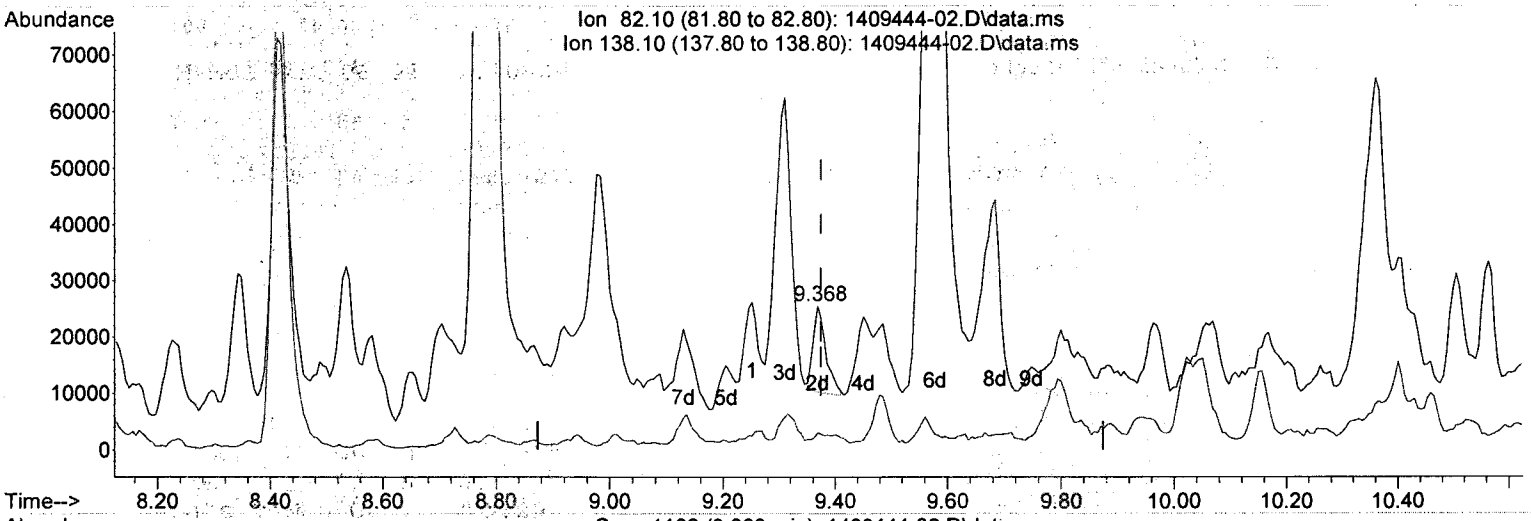
JWS 10/6/14

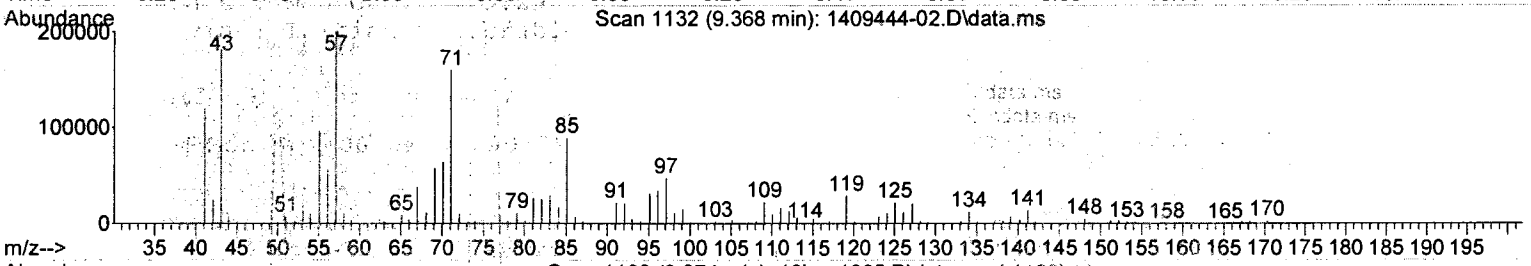
002296

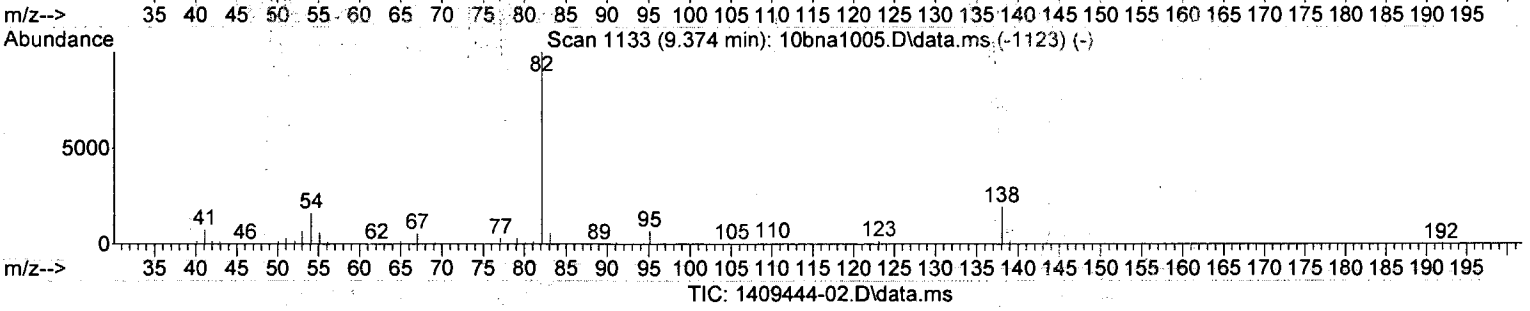
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(24) Isophorone

9.368min (-0.006) 0.12 ng/uL m

response 23746

Ion	Exp%	Act%
82.10	100.00	100.00
138.10	18.90	18.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/6/14

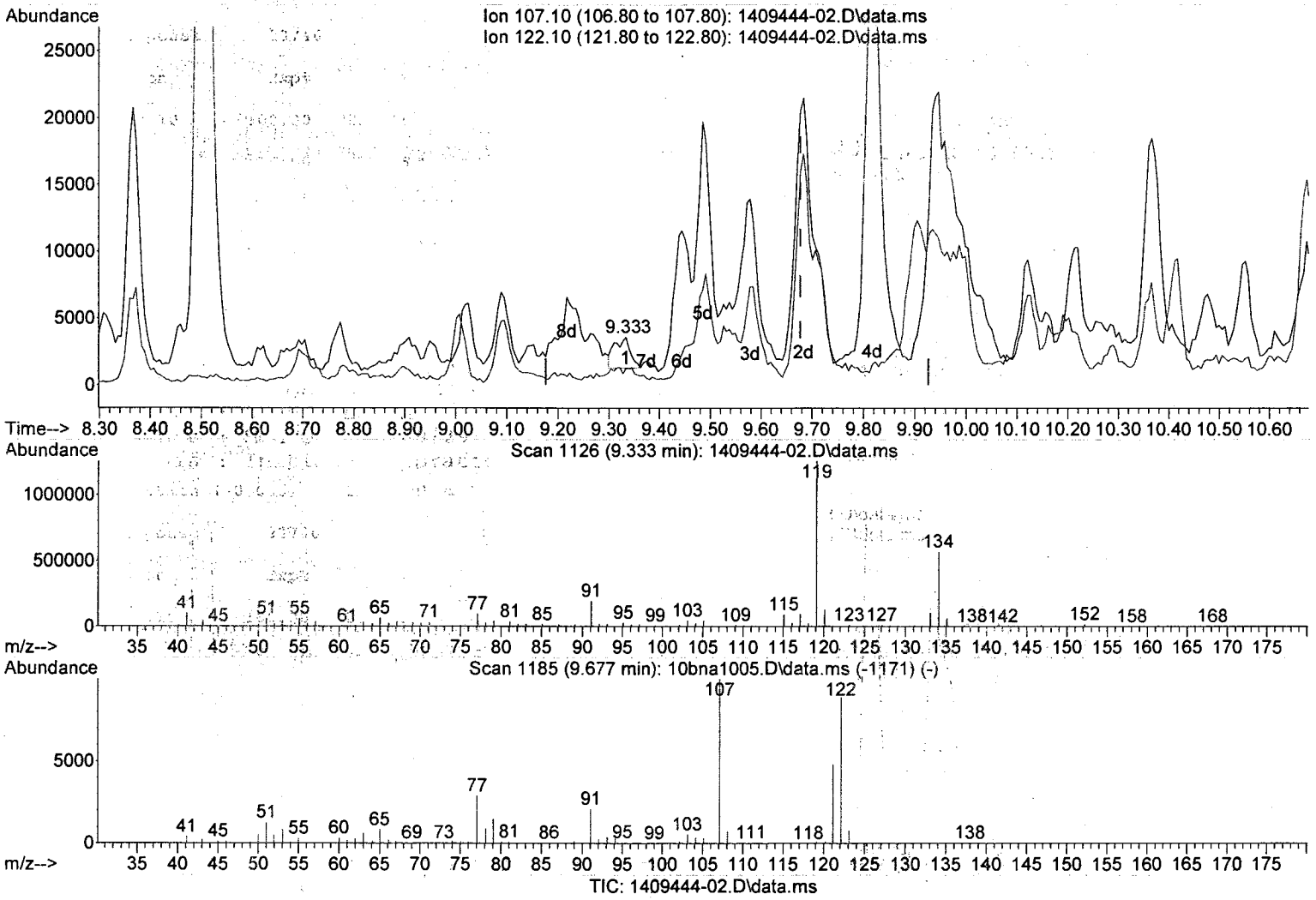
Reviewed By: HSC Date: 10/10/14

002297

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(27) 2,4-Dimethylphenol

9.333min (-0.344) 0.05 ng/uL

response 5039

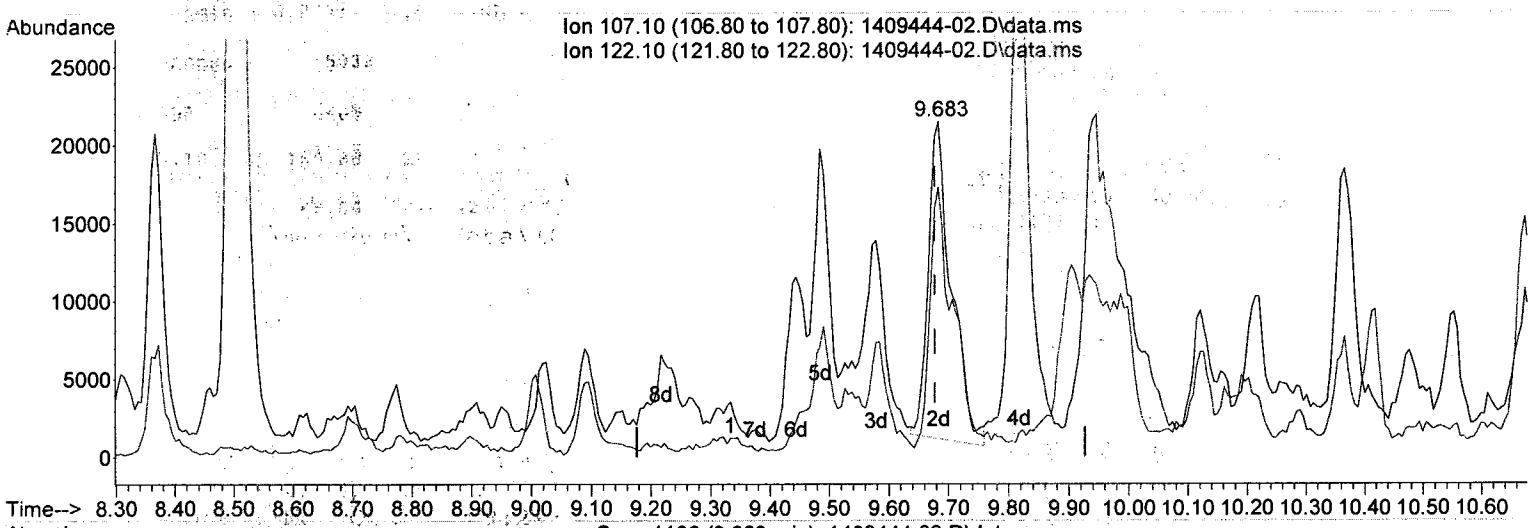
Ion	Exp%	Act%
107.10	100.00	100.00
122.10	88.80	74.42
0.00	0.00	0.00
0.00	0.00	0.00

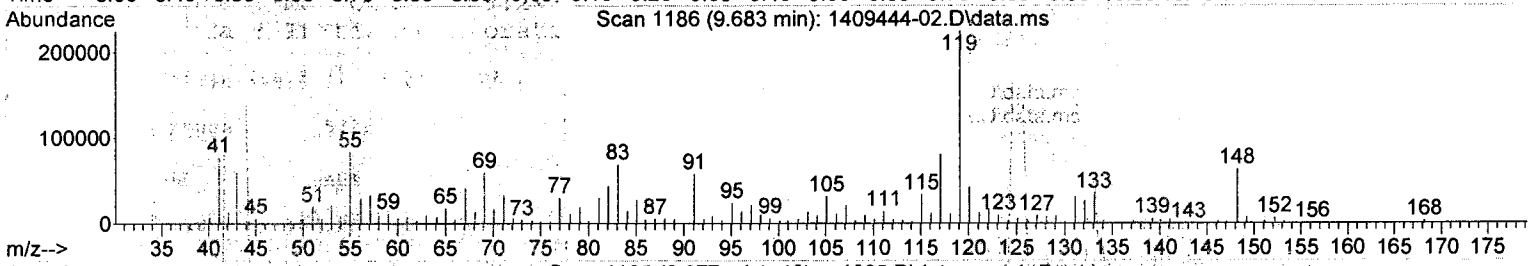
JLB 10/6/14

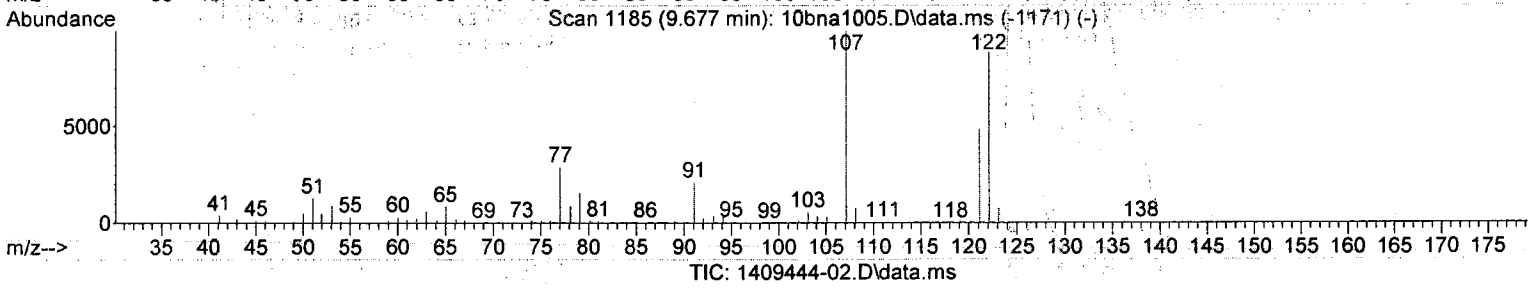
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(27) 2,4-Dimethylphenol

9.683min (+ 0.006) 0.54 ng/uL m

response 54240

Ion	Exp%	Act%
107.10	100.00	100.00
122.10	88.80	6.91#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

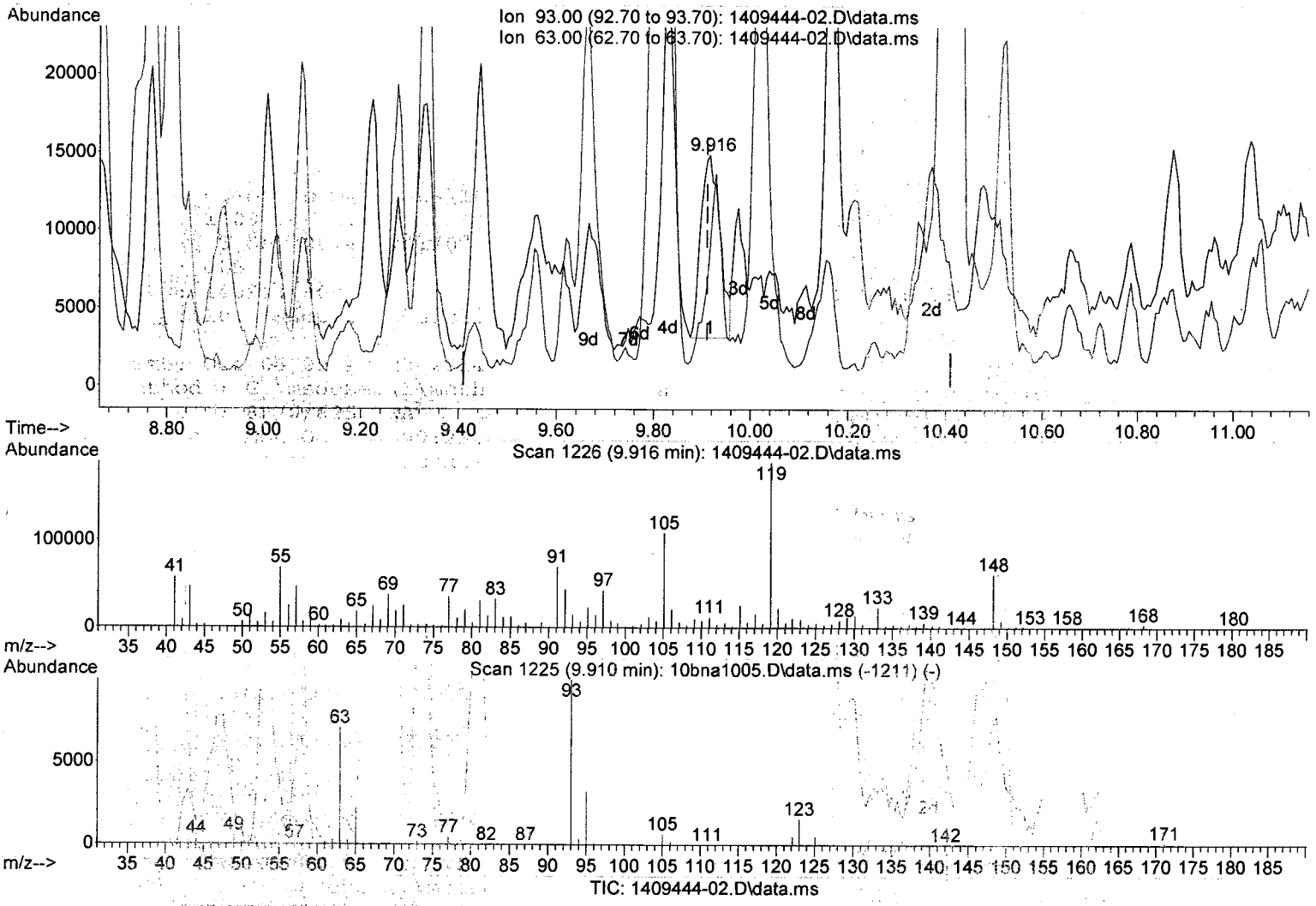
Analyst: JLB Date: 10/6/14

Reviewed By: DSC Date: 10/10/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(28) Bis(2-chlorethoxy)methane

9.916min (+ 0.006) 0.26 ng/uL

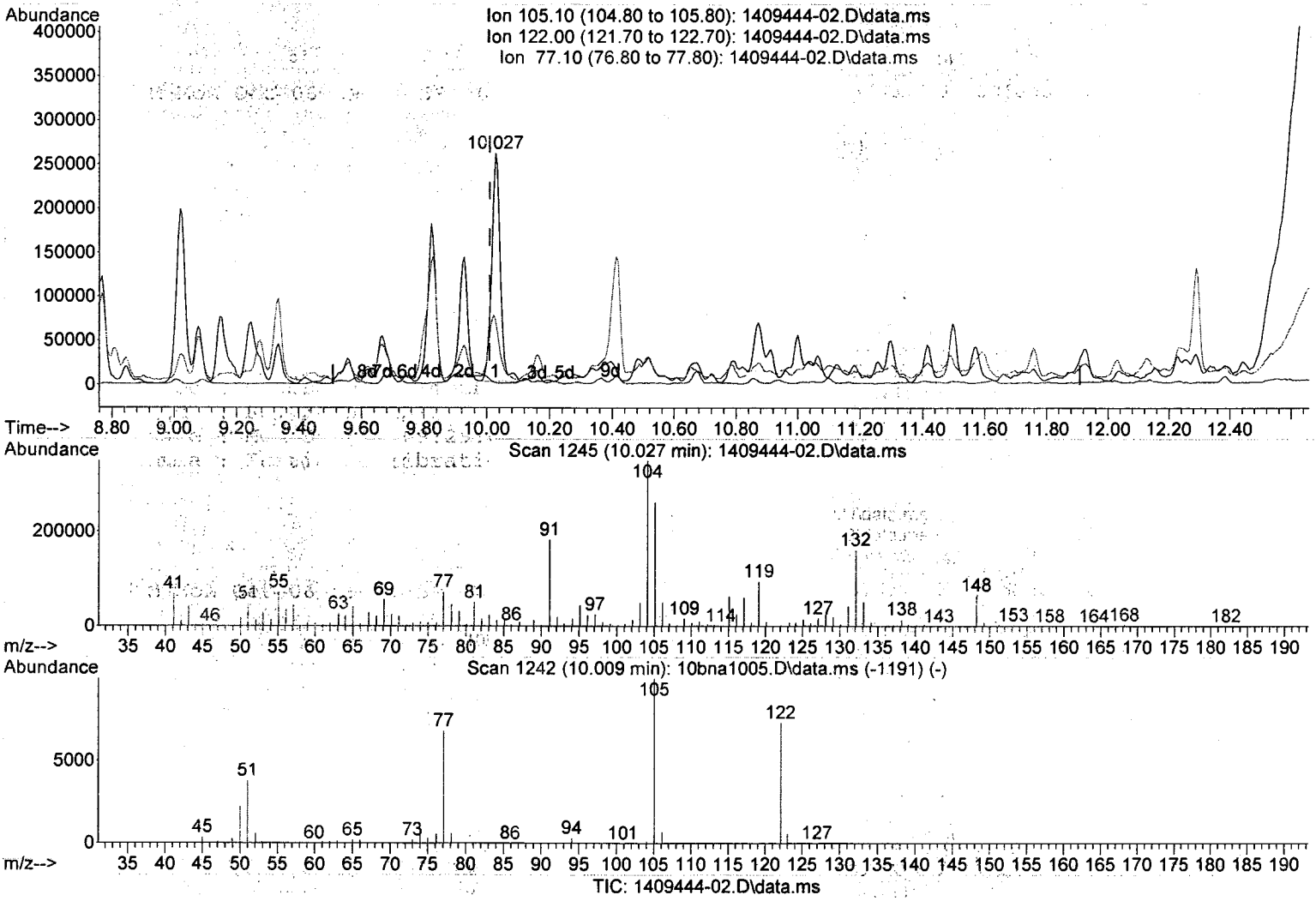
response 32227

Ion	Exp%	Act%
93.00	100.00	100.00
63.00	67.30	76.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(30) Benzoic Acid

10.027min (+ 0.018) 8.22 ng/uL

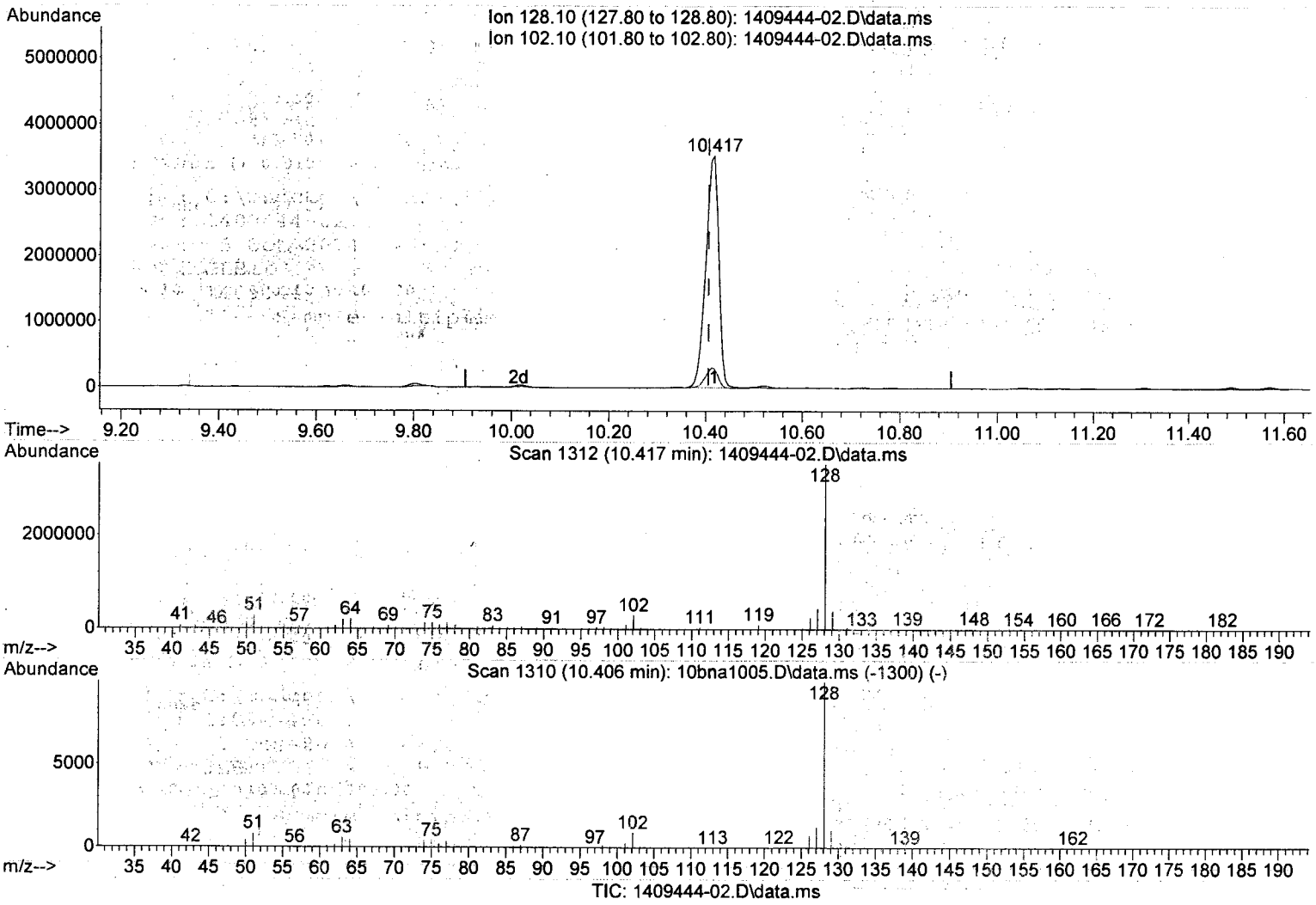
response 497037

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	34.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(32) Naphthalene

10.417min (+ 0.012) 20.71 ng/uL

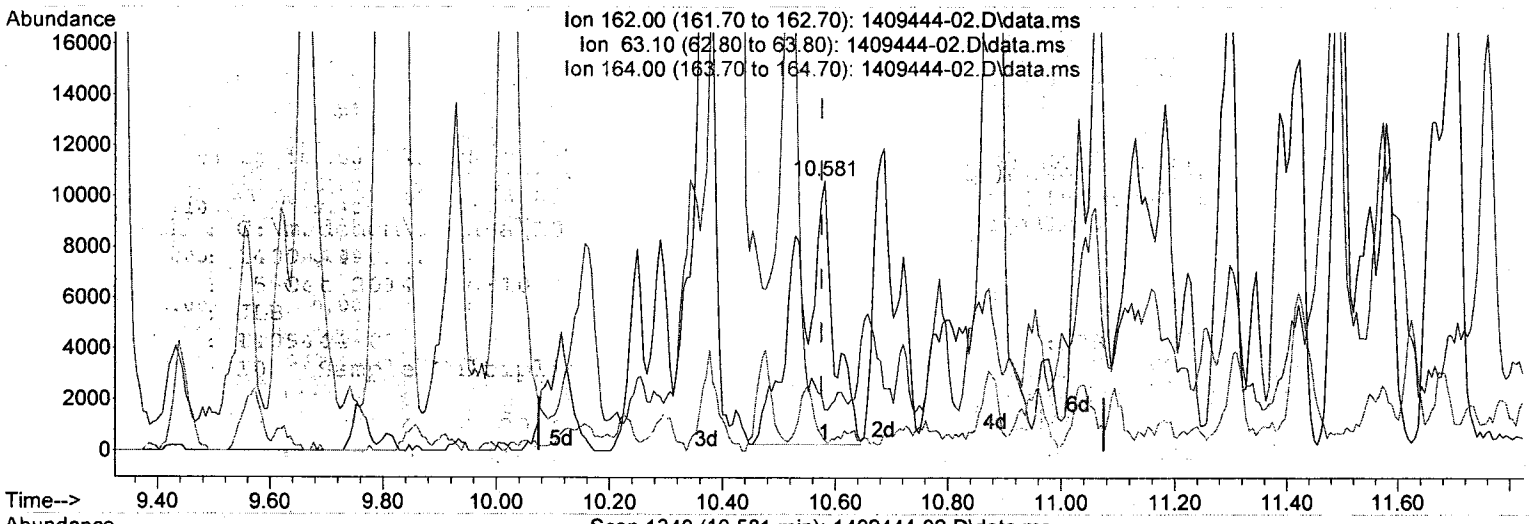
response 6499432

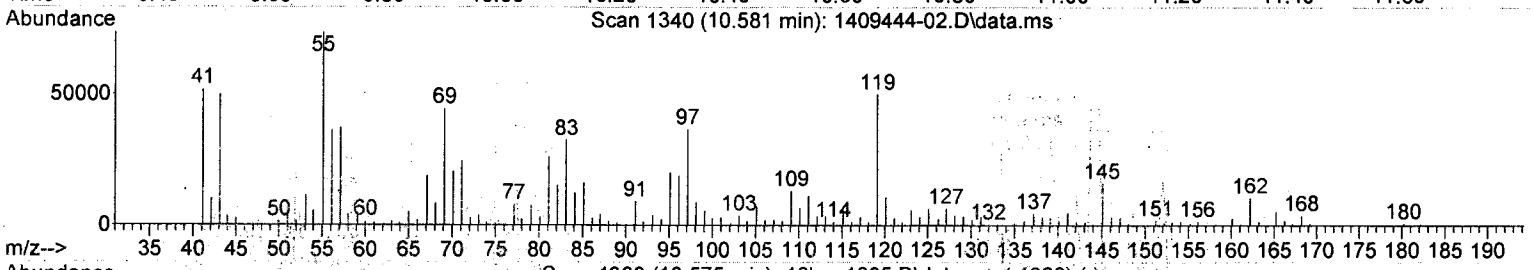
Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	8.87
0.00	0.00	0.00
0.00	0.00	0.00

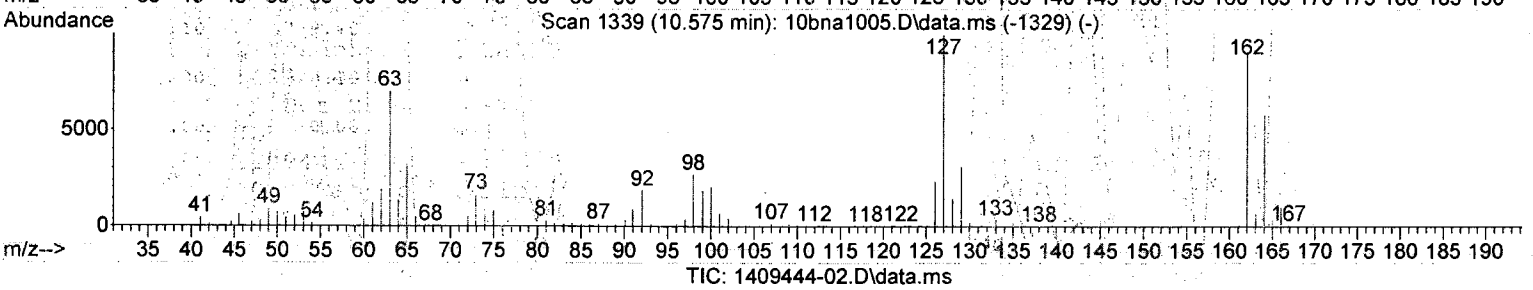
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(34) 2,6-Dichlorophenol

10.581min (+ 0.006) 0.58 ng/uL

response 45952

Ion	Exp%	Act%
162.00	100.00	100.00
63.10	76.70	0.00#
164.00	60.00	0.00#
0.00	0.00	0.00

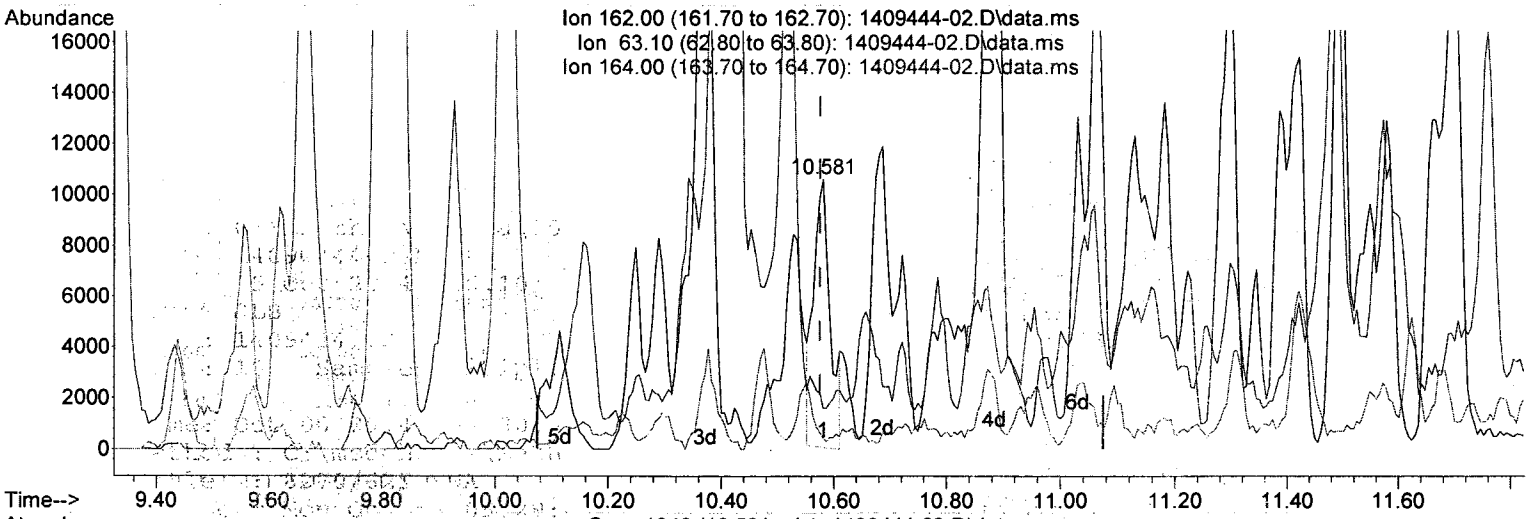
10/16/14

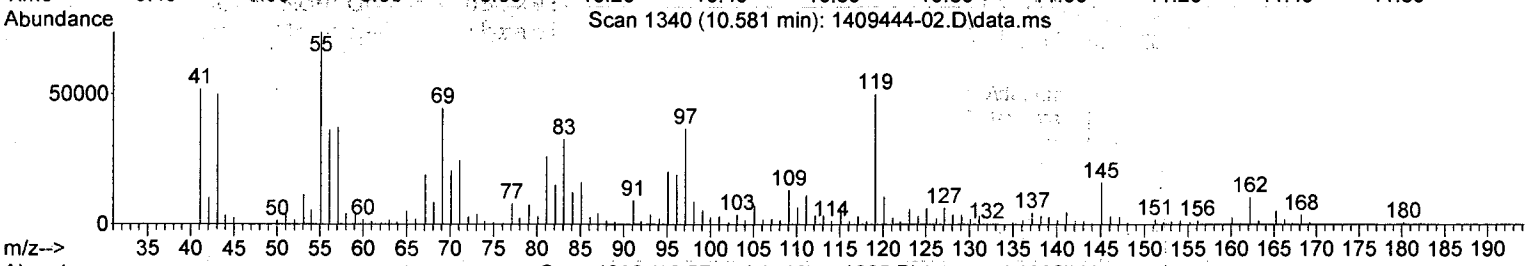
002303

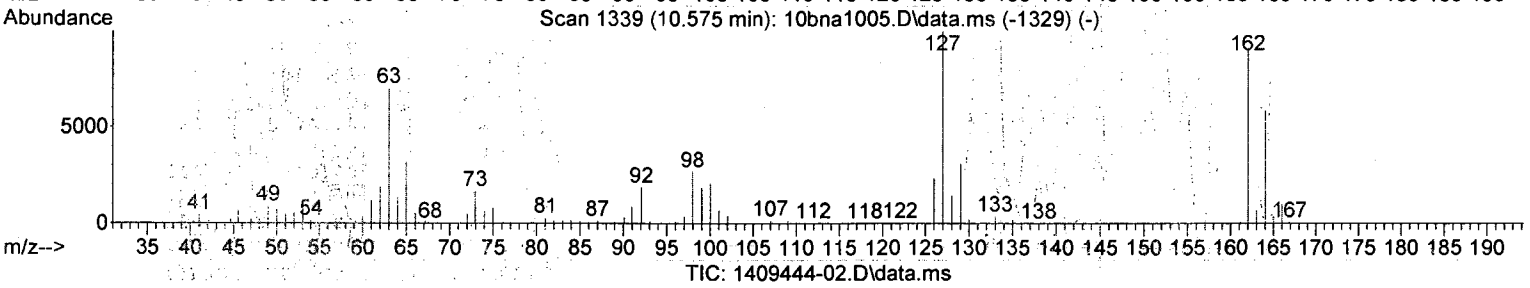
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(34) 2,6-Dichlorophenol

10.581min (+ 0.006) 0.27 ng/uL m

response 21538

Ion	Exp%	Act%
162.00	100.00	100.00
63.10	76.70	0.00#
164.00	60.00	0.00#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

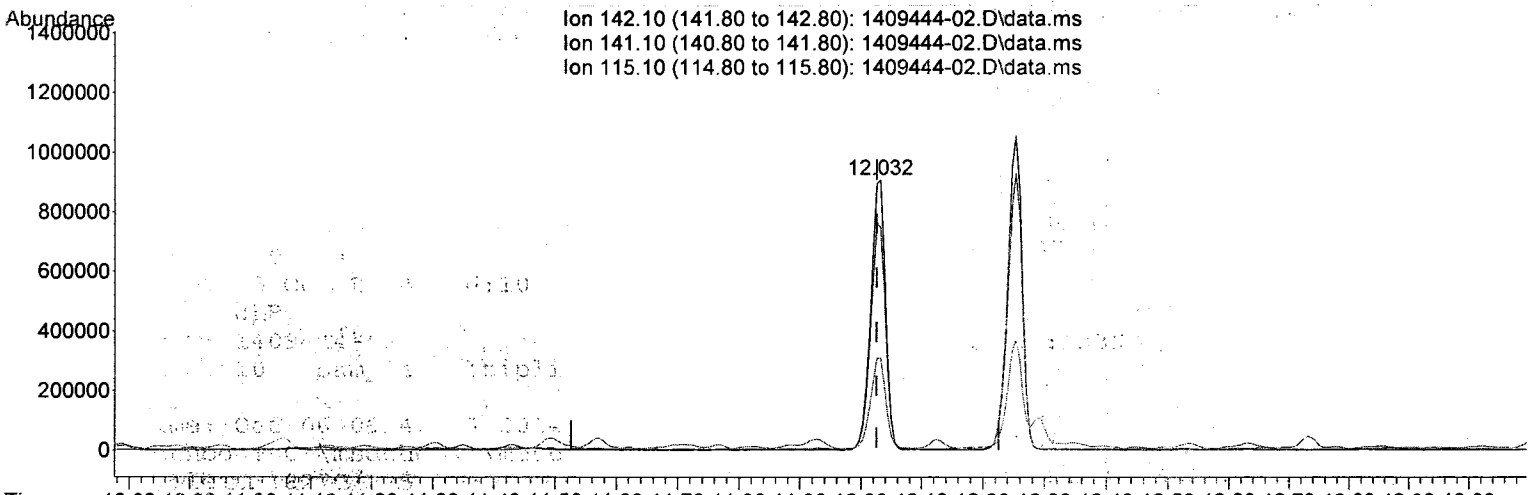
Flagged on Quantitation Report: Yes / No
Analyst: Date: 10/6/14
Reviewed By: Date:

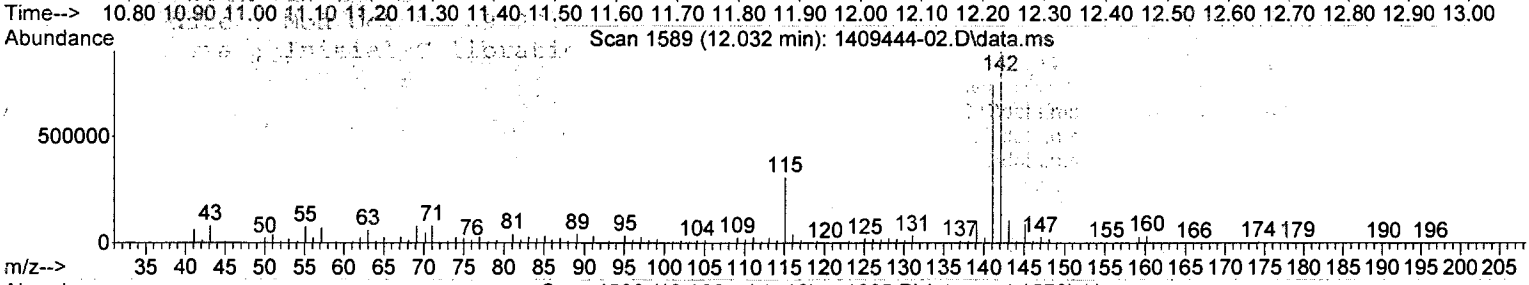
002304

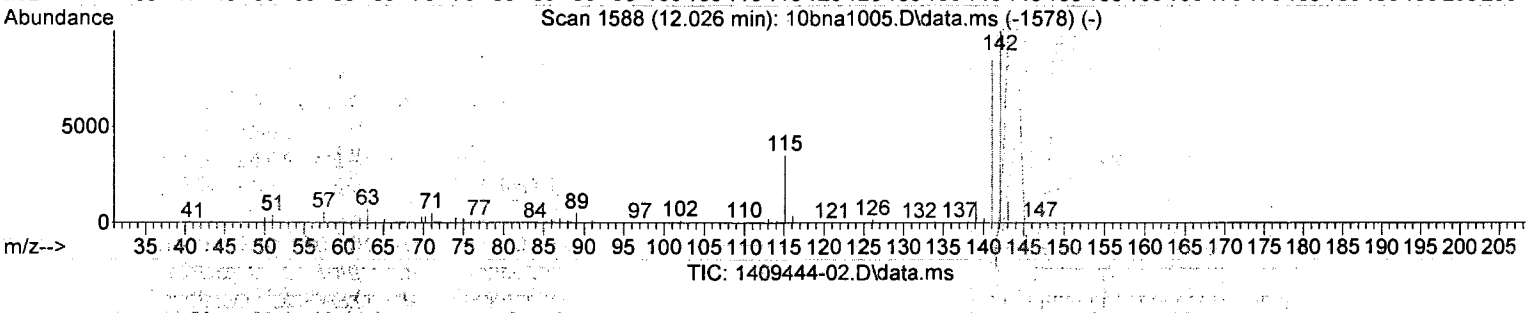
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(39) 2-Methylnaphthalene

12.032min (+ 0.006) 7.62 ng/uL

response 1523435

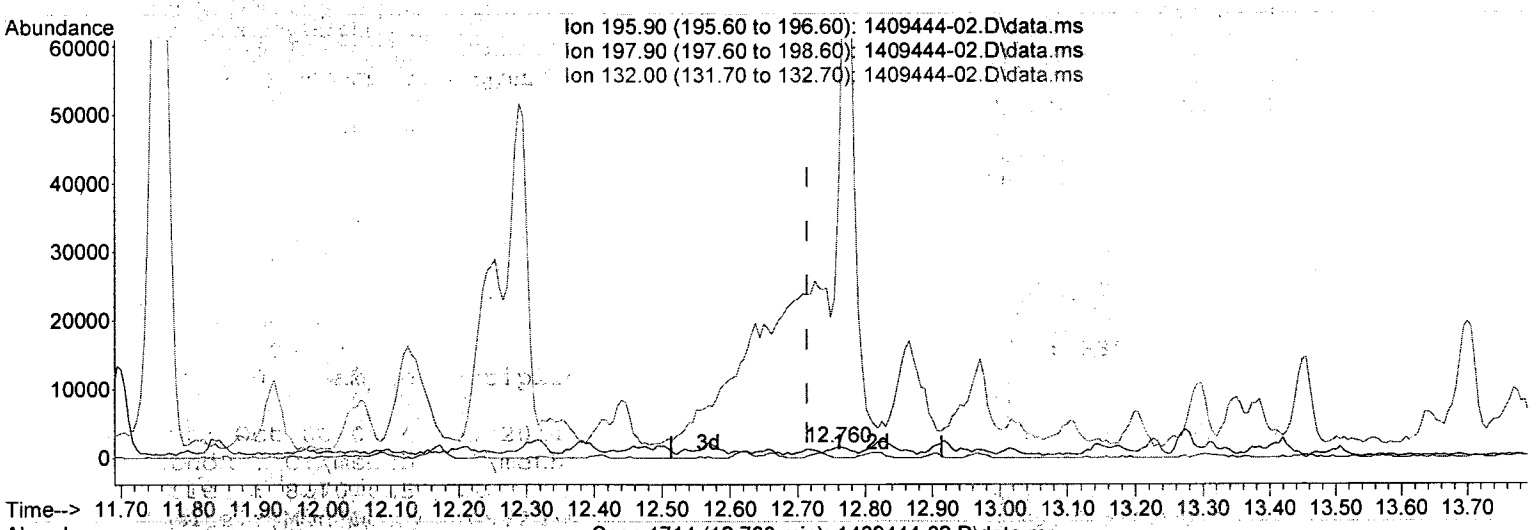
Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	84.37
115.10	33.50	34.32
0.00	0.00	0.00

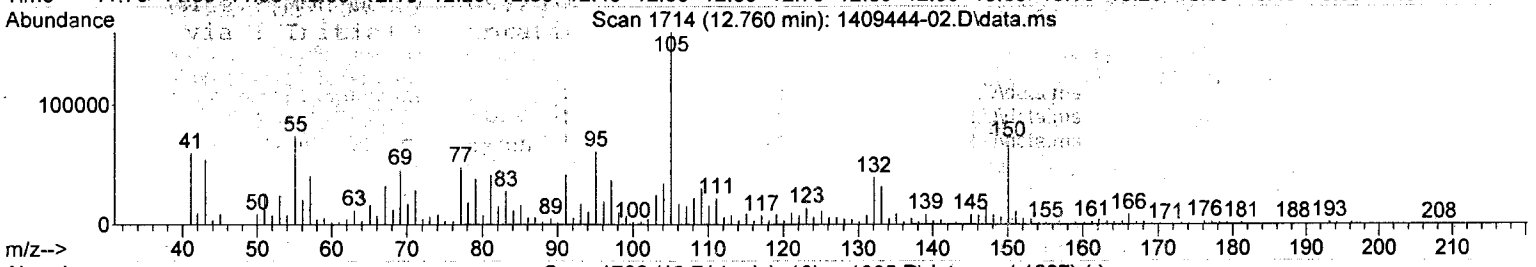
002305

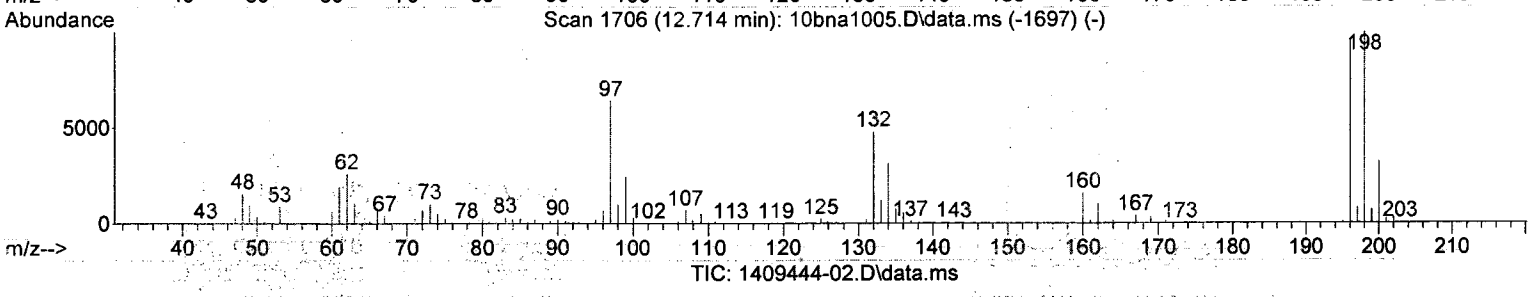
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(45) 2,4,6-Trichlorophenol (C)

12.760min (+ 0.047) 0.06 ng/uL

response 3490

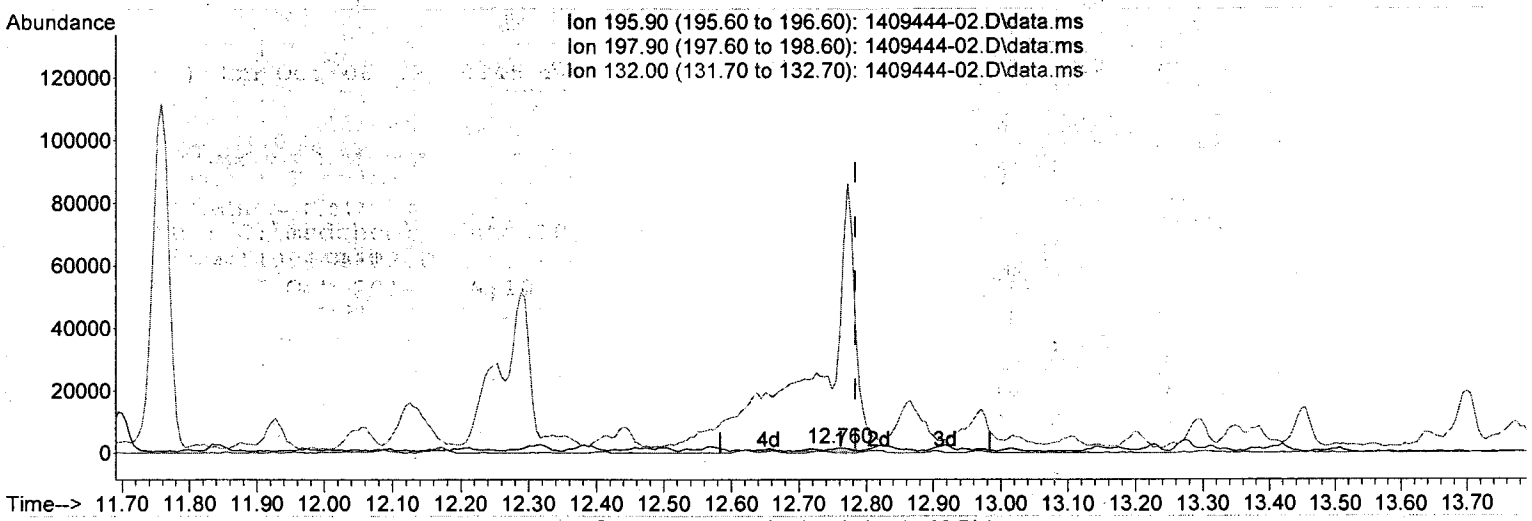
Ion	Exp%	Act%
195.90	100.00	100.00
197.90	98.50	0.00#
132.00	45.10	2859.71#
0.00	0.00	0.00

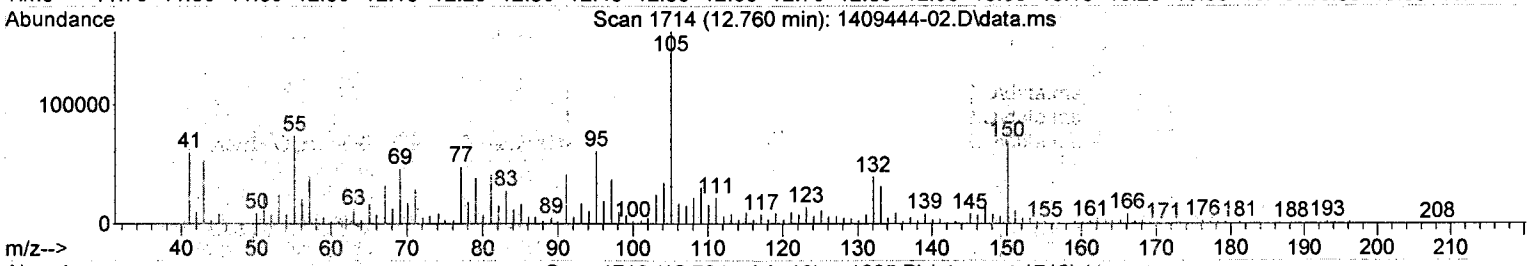
002306

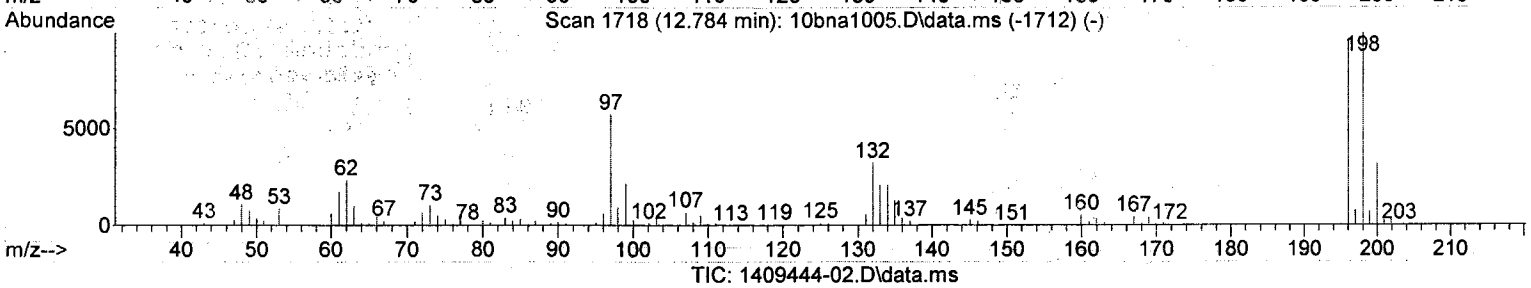
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(46) 2,4,5-Trichlorophenol

12.760min (-0.023) 0.06 ng/uL

response 3213

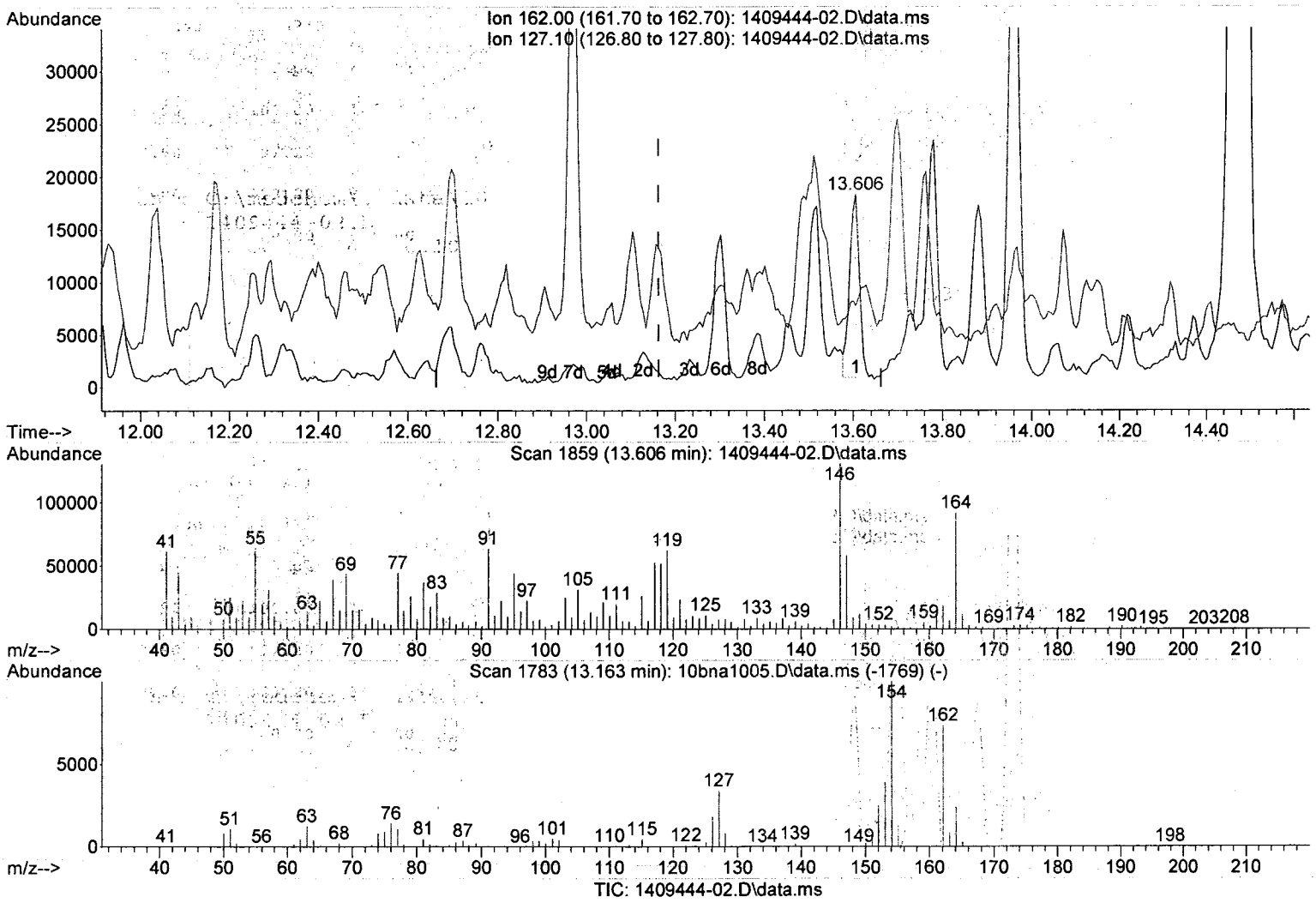
Ion	Exp%	Act%
195.90	100.00	100.00
197.90	97.20	0.00#
132.00	29.20	3402.89#
0.00	0.00	0.00

002307

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(48) 2-Chloronaphthalene

13.606min (+ 0.443) 0.14 ng/uL

response 26463

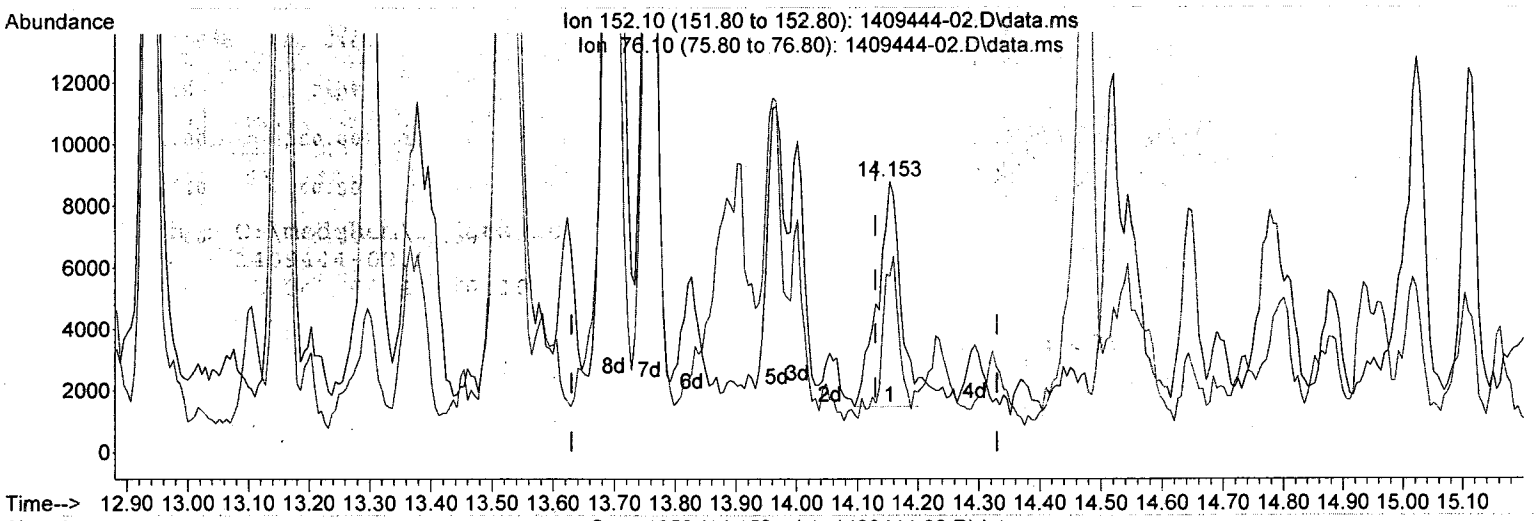
Ion	Exp%	Act%
162.00	100.00	100.00
127.10	40.50	33.89
0.00	0.00	0.00
0.00	0.00	0.00

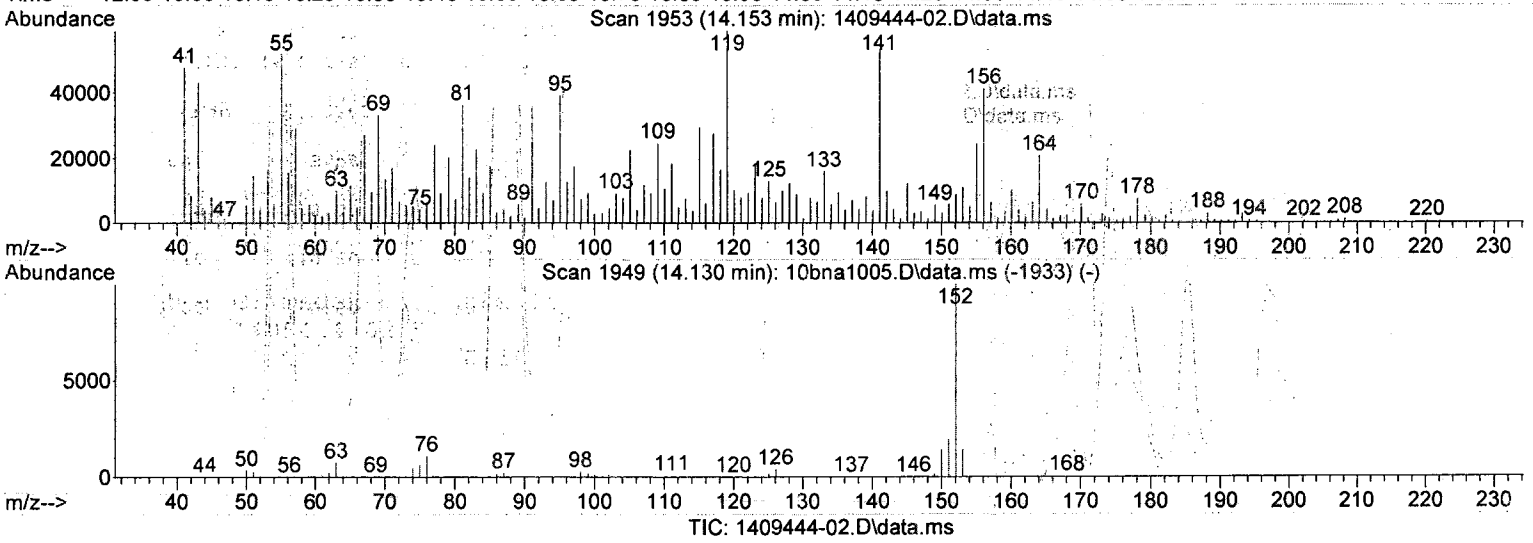
RT

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration





TIC: 1409444-02.D\data.ms

(51) Acenaphthylene

14.153min (+ 0.023) 0.06 ng/uL

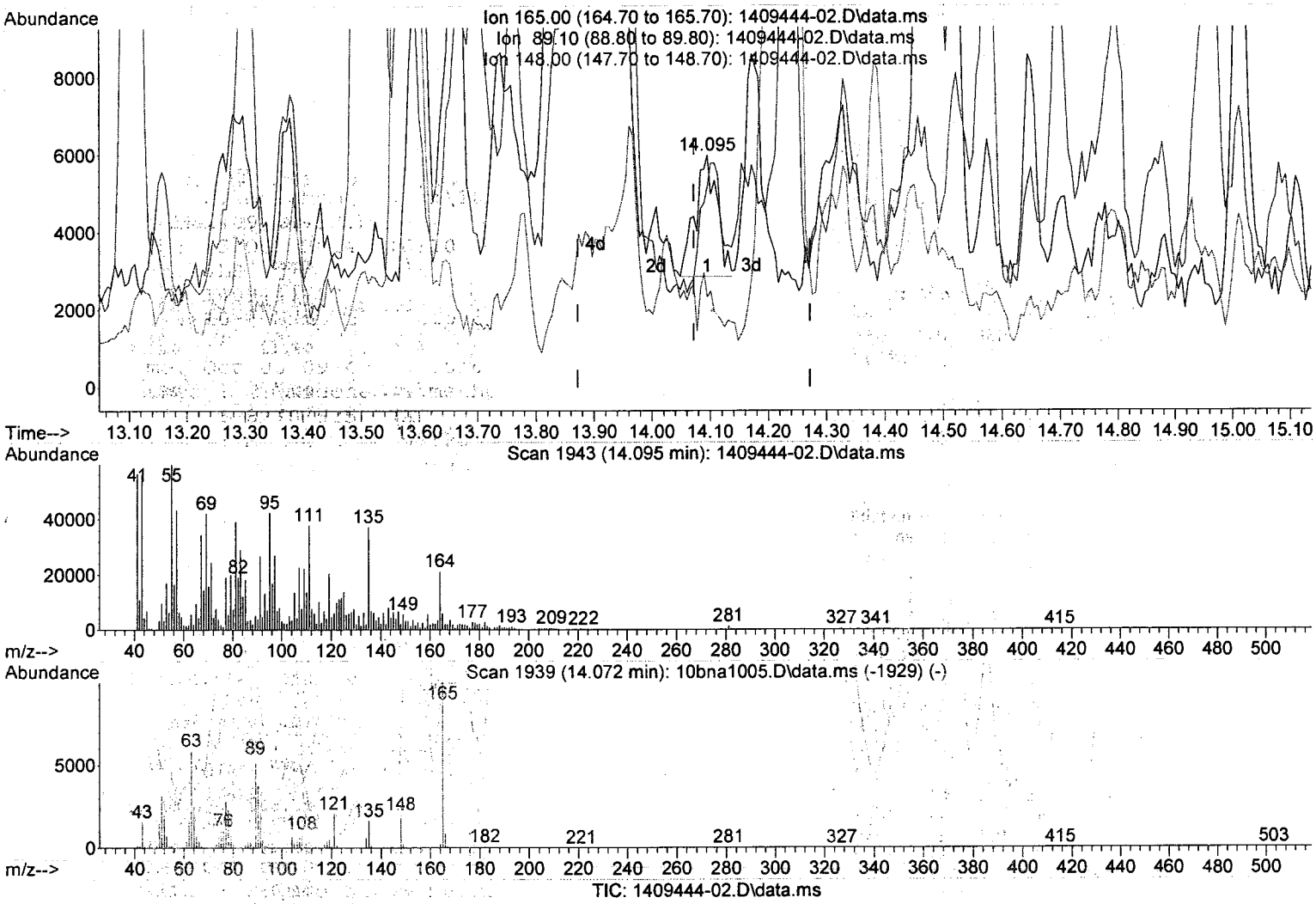
response 19241

Ion	Exp%	Act%
152.10	100.00	100.00
76.10	21.40	52.80#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(52) 2,6-Dinitrotoluene

14.095min (+ 0.023) 0.16 ng/uL

response 8088

Ion	Exp%	Act%
165.00	100.00	100.00
89.10	57.70	102.60#
148.00	20.20	24.96#
0.00	0.00	0.00

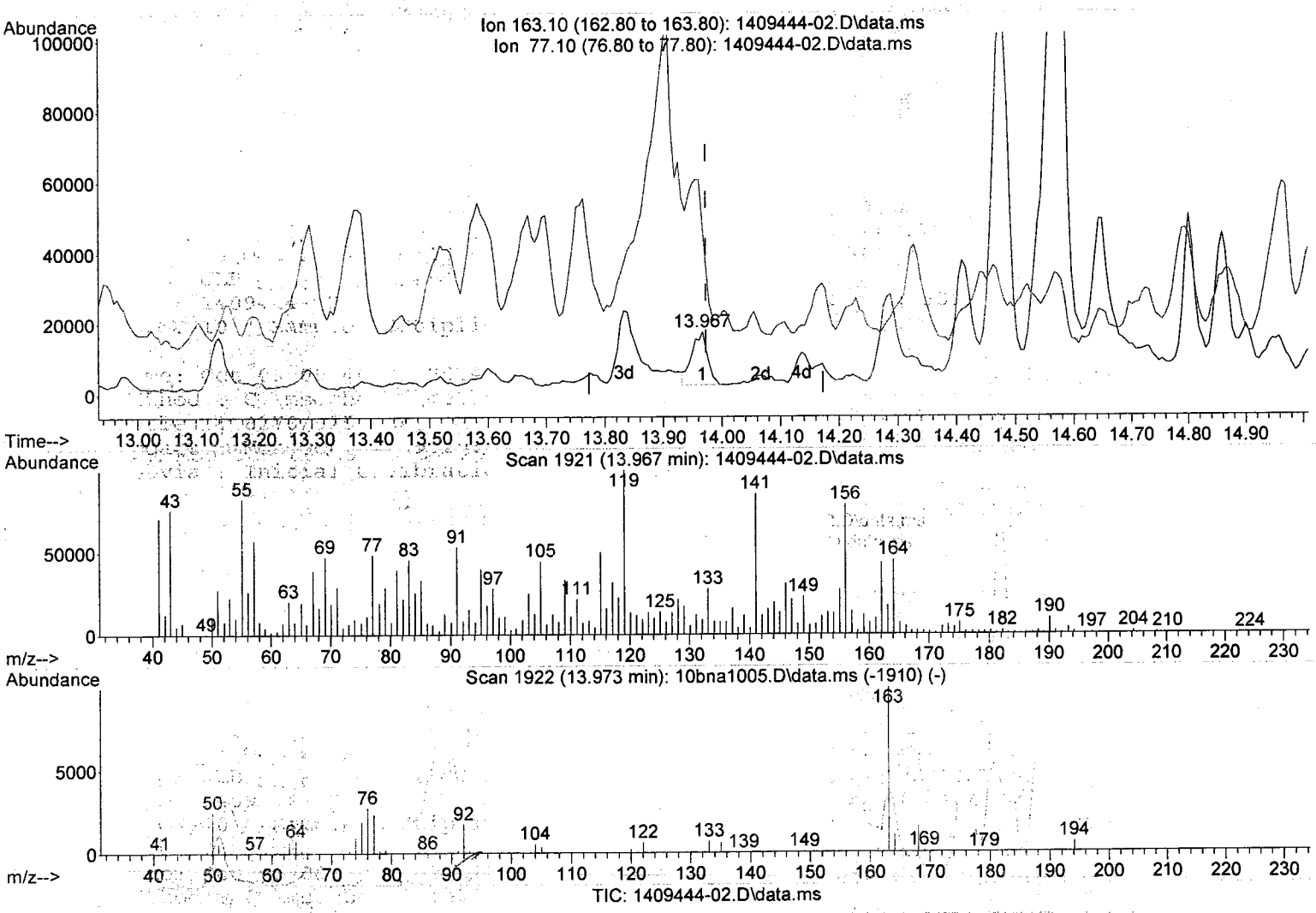
PS

002310

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(53) Dimethyl Phthalate

13.967min (-0.006) 0.13 ng/uL

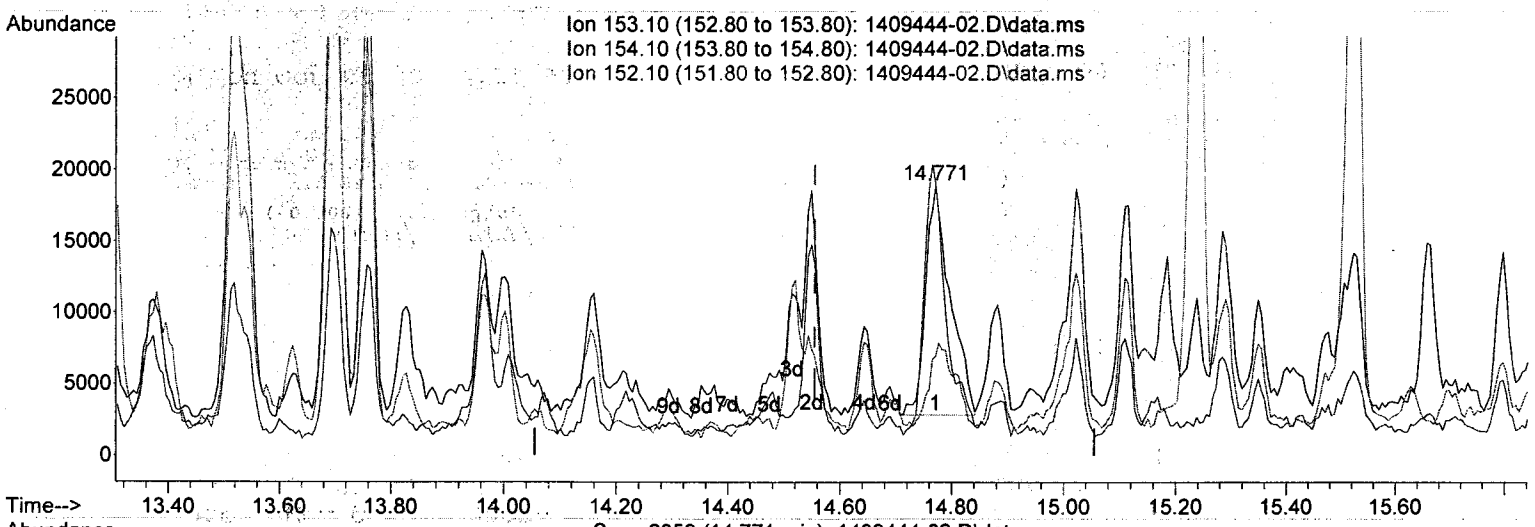
response 27446

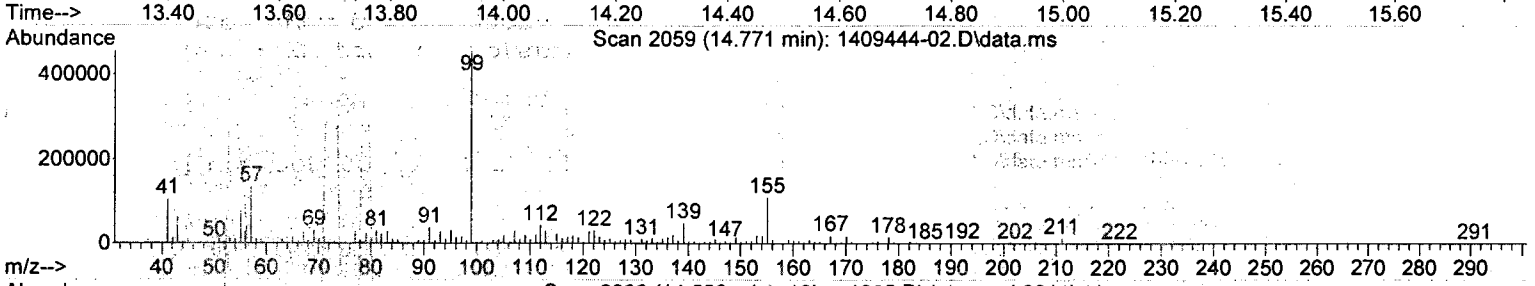
Ion	Exp%	Act%
163.10	100.00	100.00
77.10	22.60	22.48
0.00	0.00	0.00
0.00	0.00	0.00

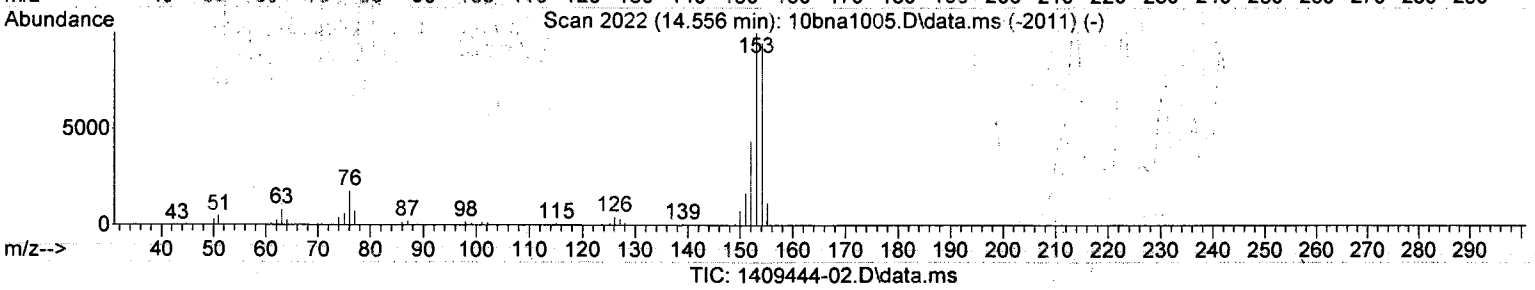
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(55) Acenaphthene (C)

14.771min (+ 0.216) 0.24 ng/uL

response 49380

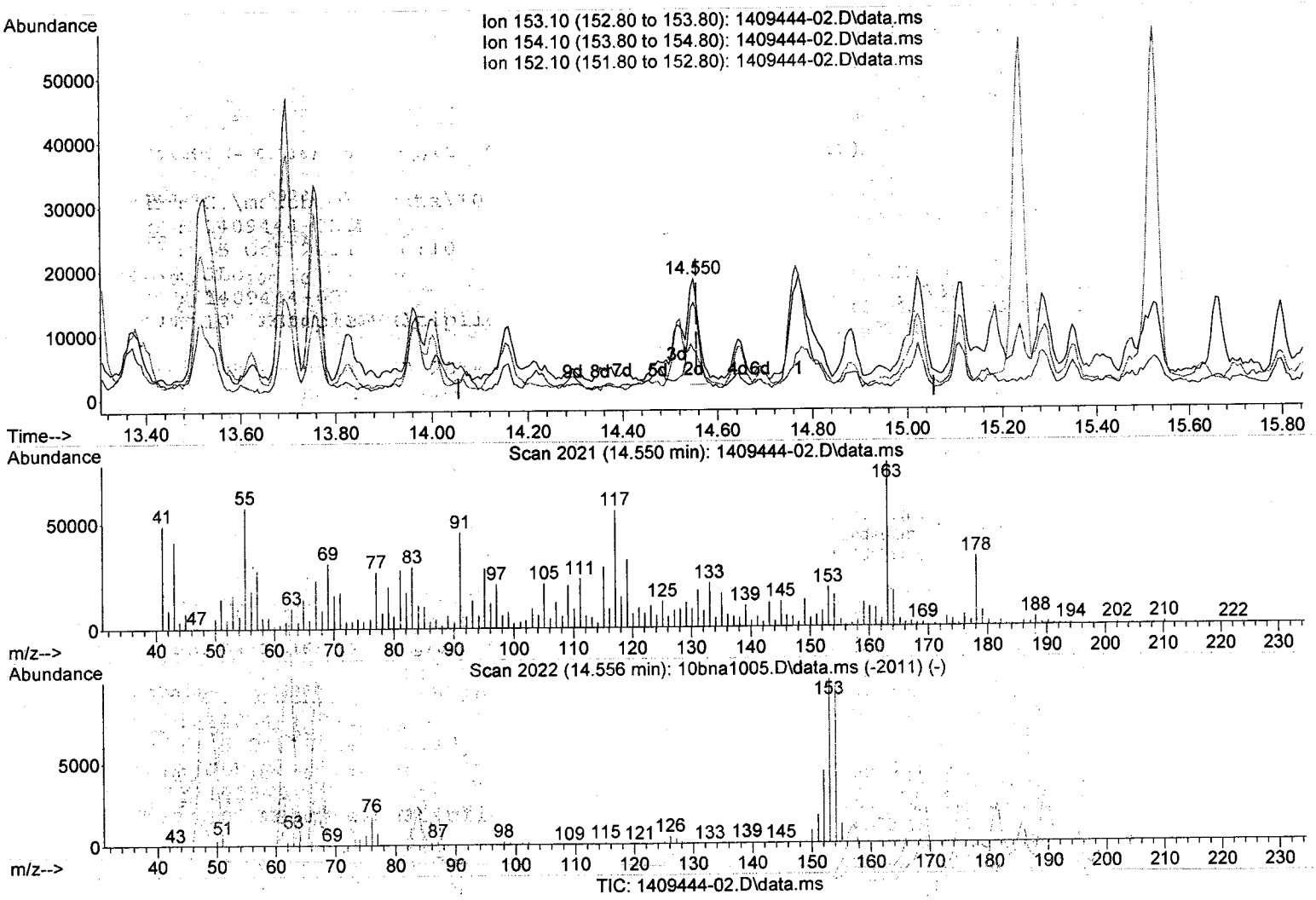
Ion	Exp%	Act%
153.10	100.00	100.00
154.10	97.30	104.73
152.10	46.00	37.44
0.00	0.00	0.00

JB 10/16/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(55) Acenaphthene (C)

14.550min (-0.006) 0.13 ng/uL m

response 26102

Ion	Exp%	Act%
153.10	100.00	100.00
154.10	93.30	198.14#
152.10	46.00	70.84#
0.00	0.00	0.00

Manual Integration Explanation

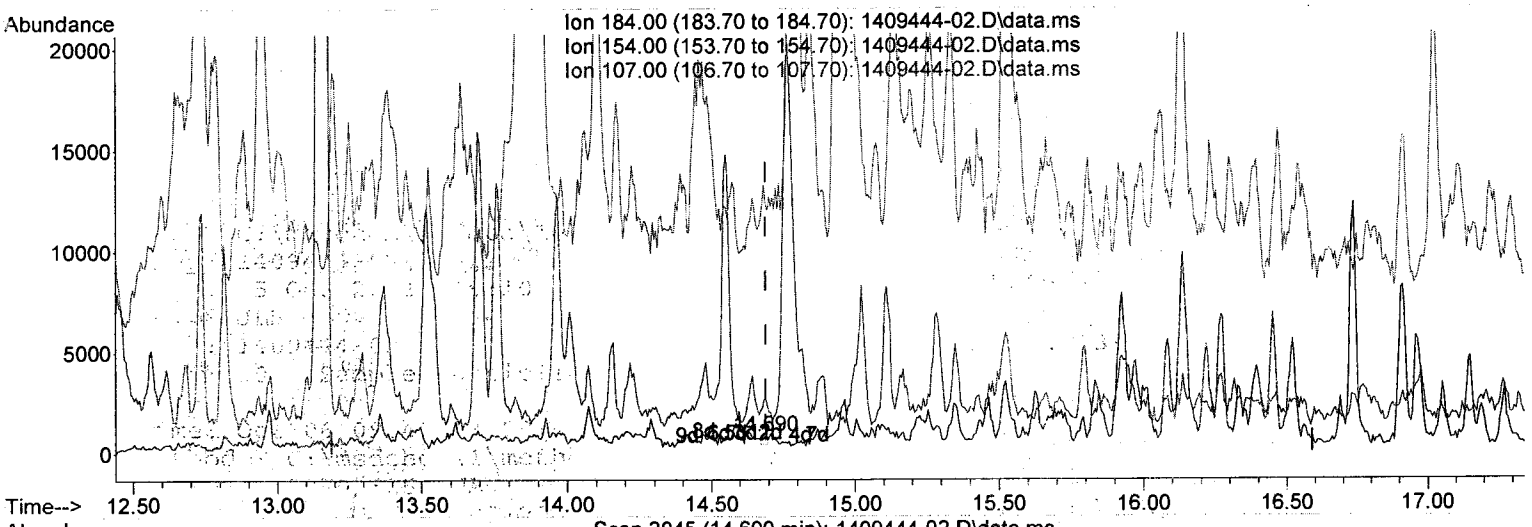
Reason 1: Incorrect peak integrated by the software.

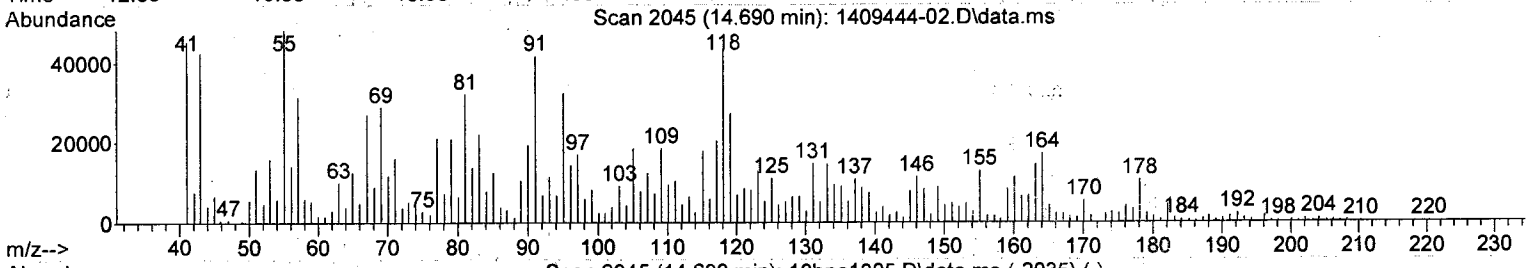
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/6/14
Reviewed By: HSC Date: 10/10/14

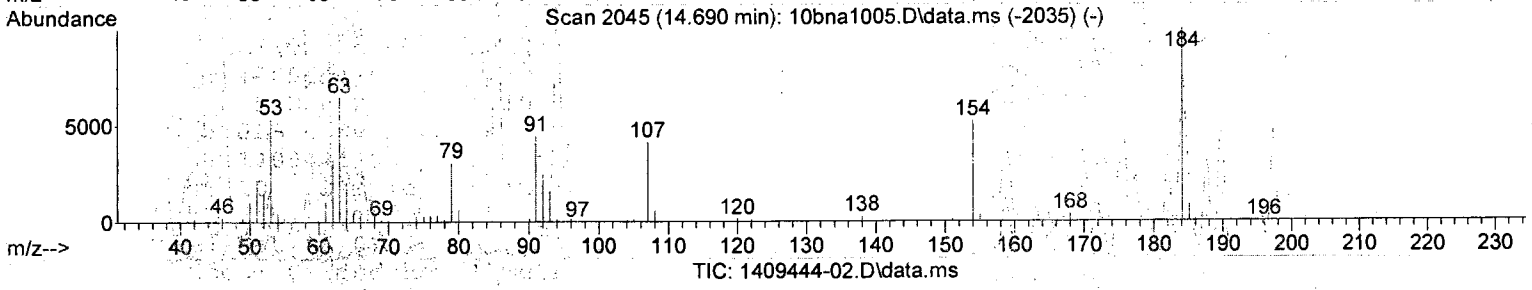
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(56) 2,4-Dinitrophenol (P)

14.690min (+ 0.000) 2.85 ng/uL

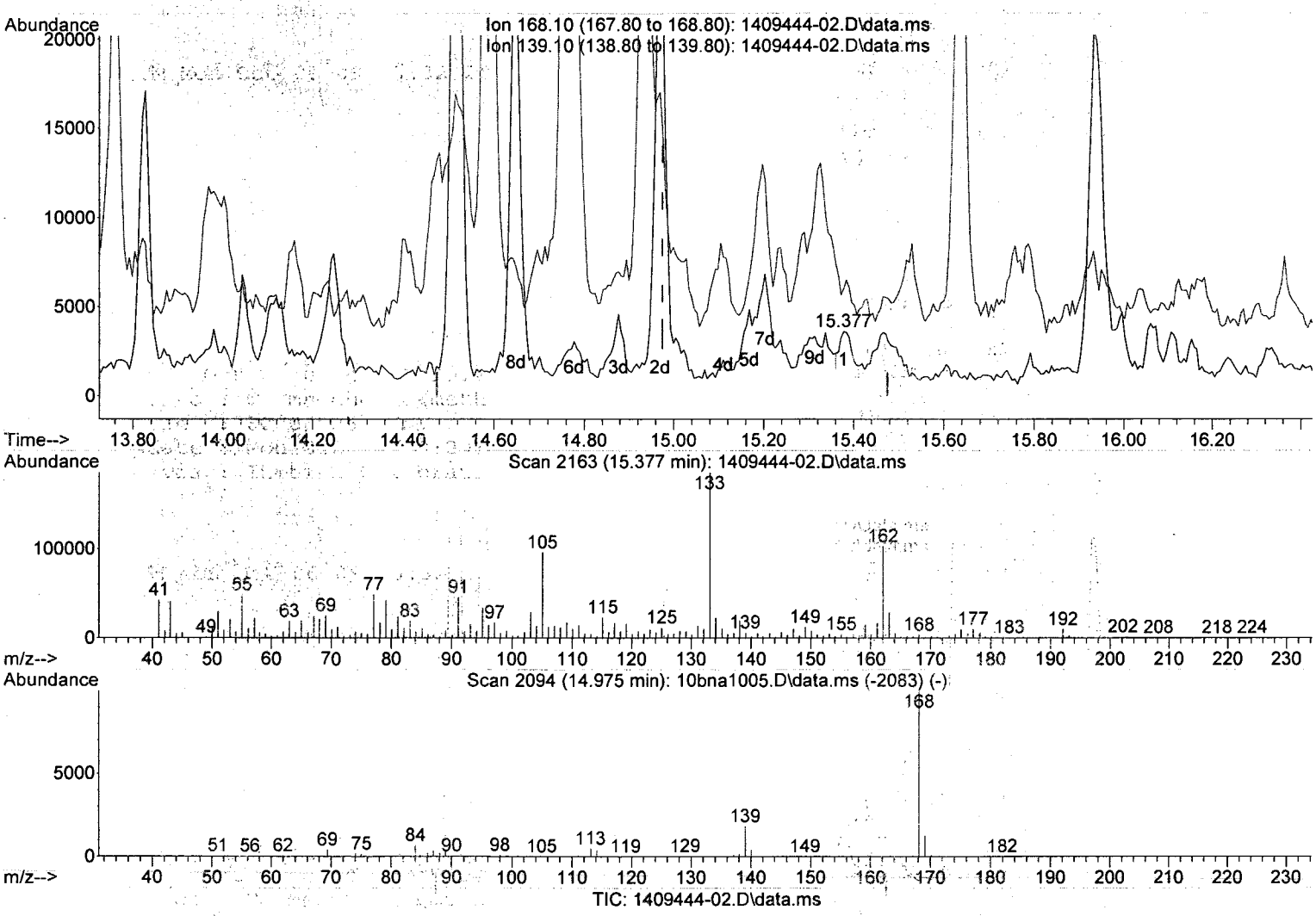
response 418

Ion	Exp%	Act%
184.00	100.00	100.00
154.00	57.50	0.00#
107.00	46.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(57) Dibenzofuran (P)

15.377min (+ 0.402) 0.01 ng/uL

response 3924

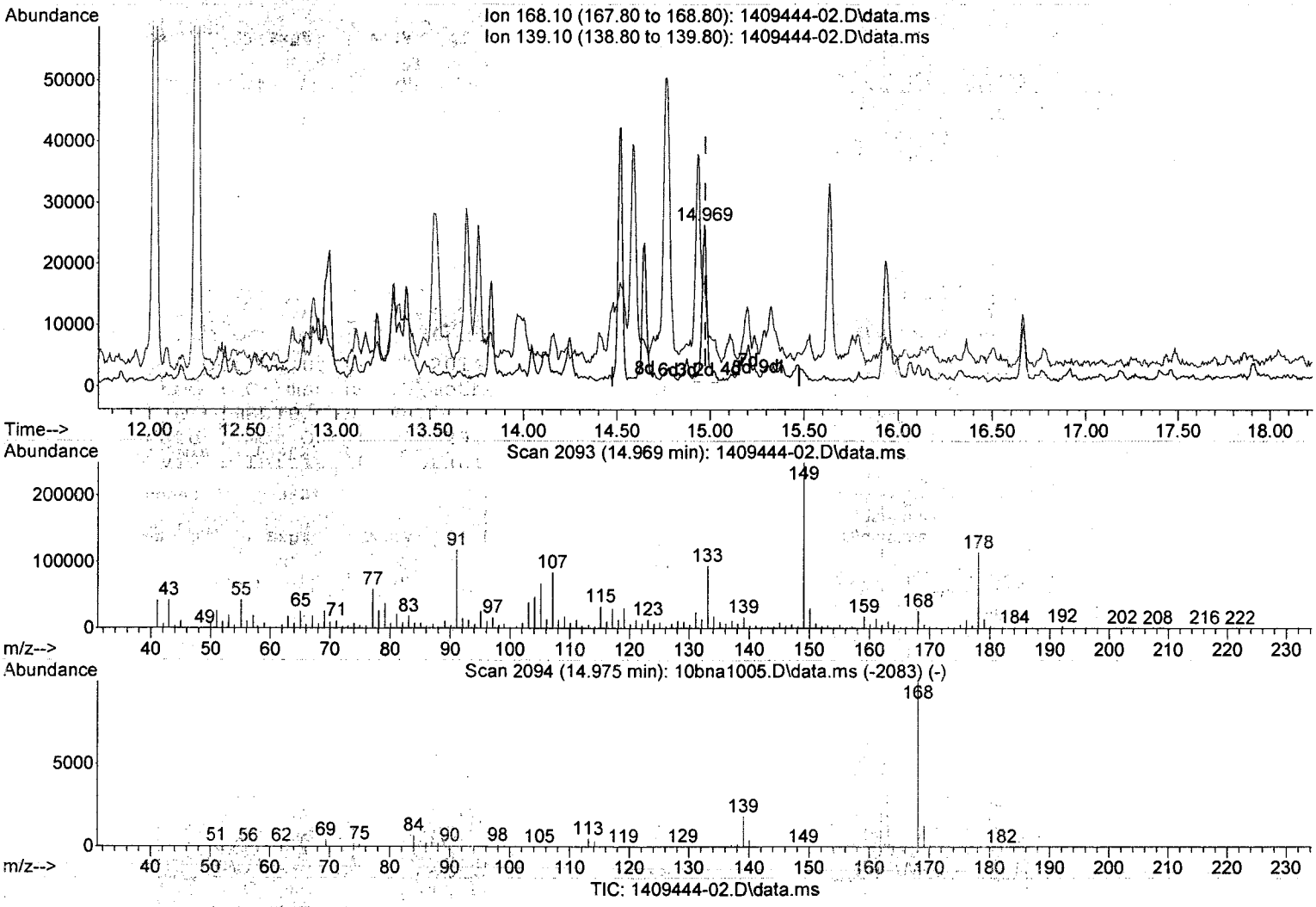
Ion	Exp%	Act%
168.10	100.00	100.00
139.10	38.20	43.02
0.00	0.00	0.00
0.00	0.00	0.00

SJS 10/6/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(57) Dibenzofuran (P)

14.969min (-0.006) 0.18 ng/uL m

response 47893

Ion	Exp%	Act%
168.10	100.00	100.00
139.10	38.20	3.52#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

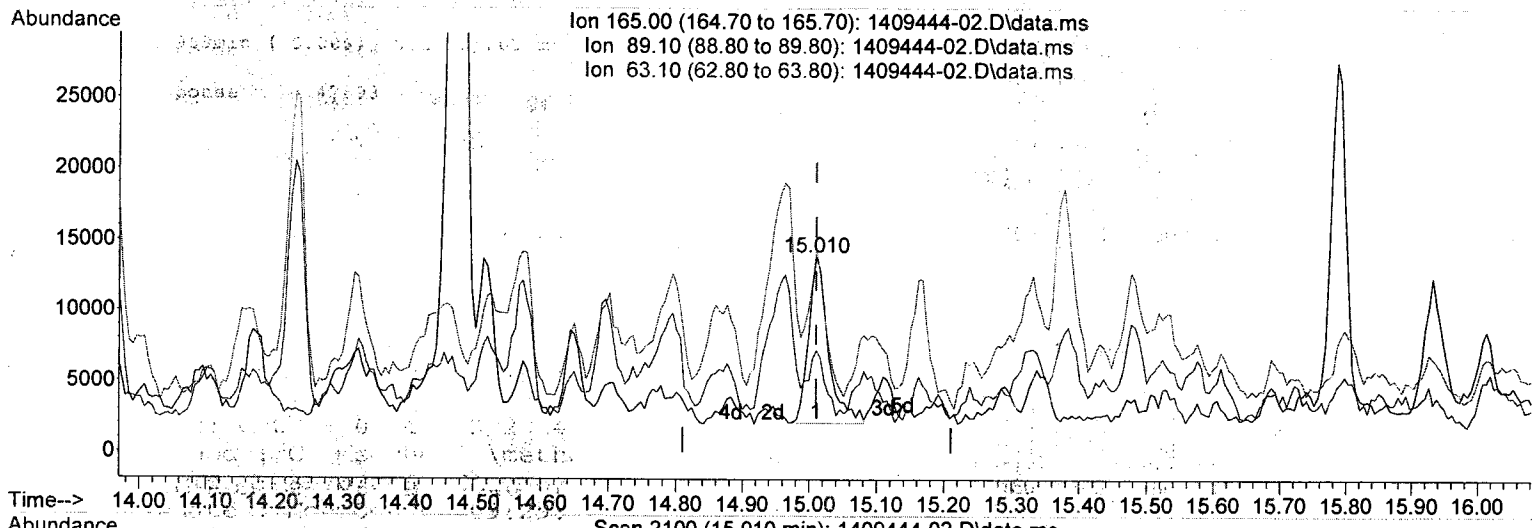
Flagged on Quantitation Report: (Yes) / No
Analyst: JWS Date: 10/6/14
Reviewed By: HSC Date: 10/10/14

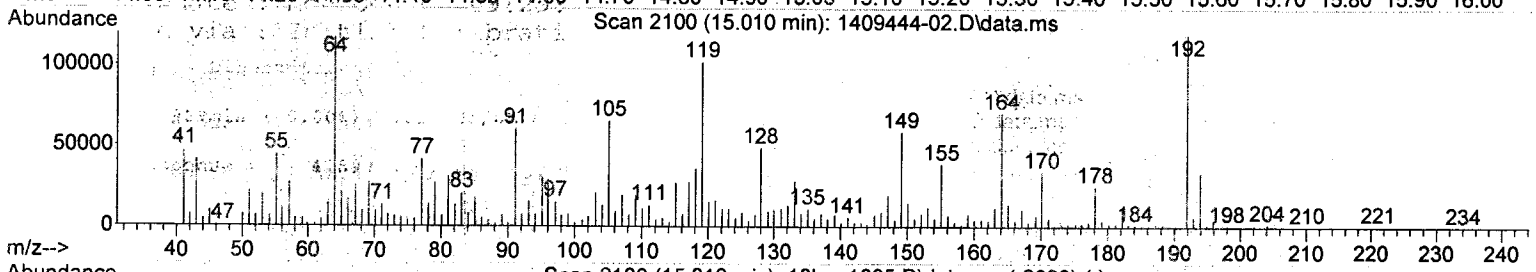
002316

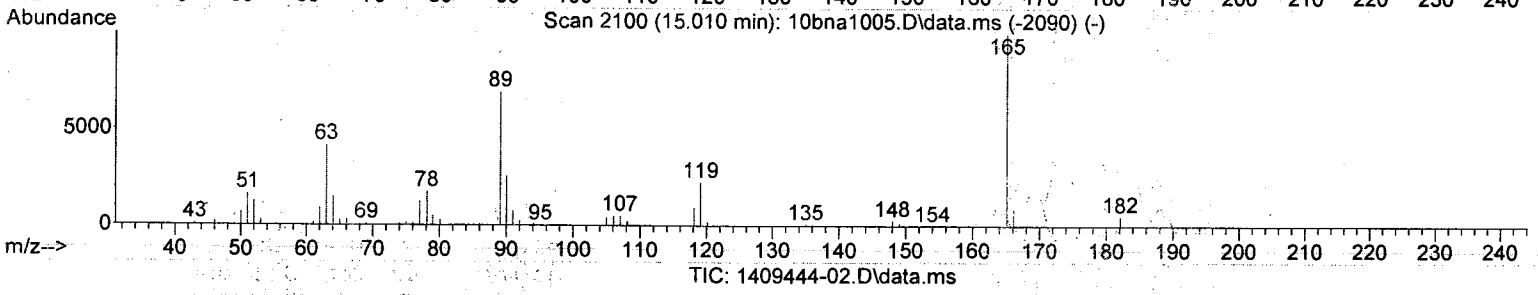
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(59) 2,4-Dinitrotoluene

15.010min (+ 0.000) 0.38 ng/uL

response 23986

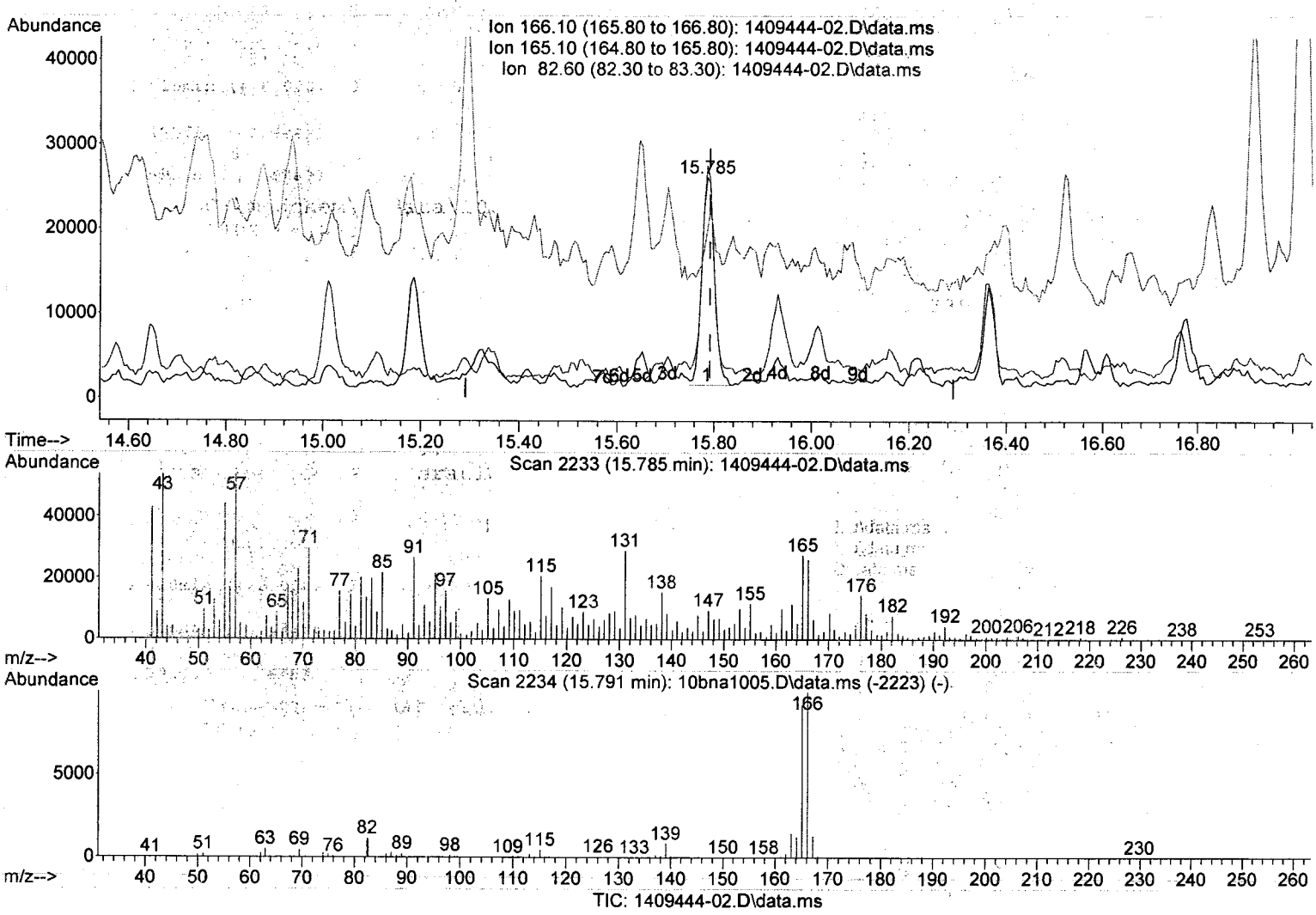
Ion	Exp%	Act%
165.00	100.00	100.00
89.10	72.00	24.90#
63.10	58.00	75.04#
0.00	0.00	0.00

002317

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(62) Fluorene

15.785min (-0.006) 0.20 ng/uL

response 44018

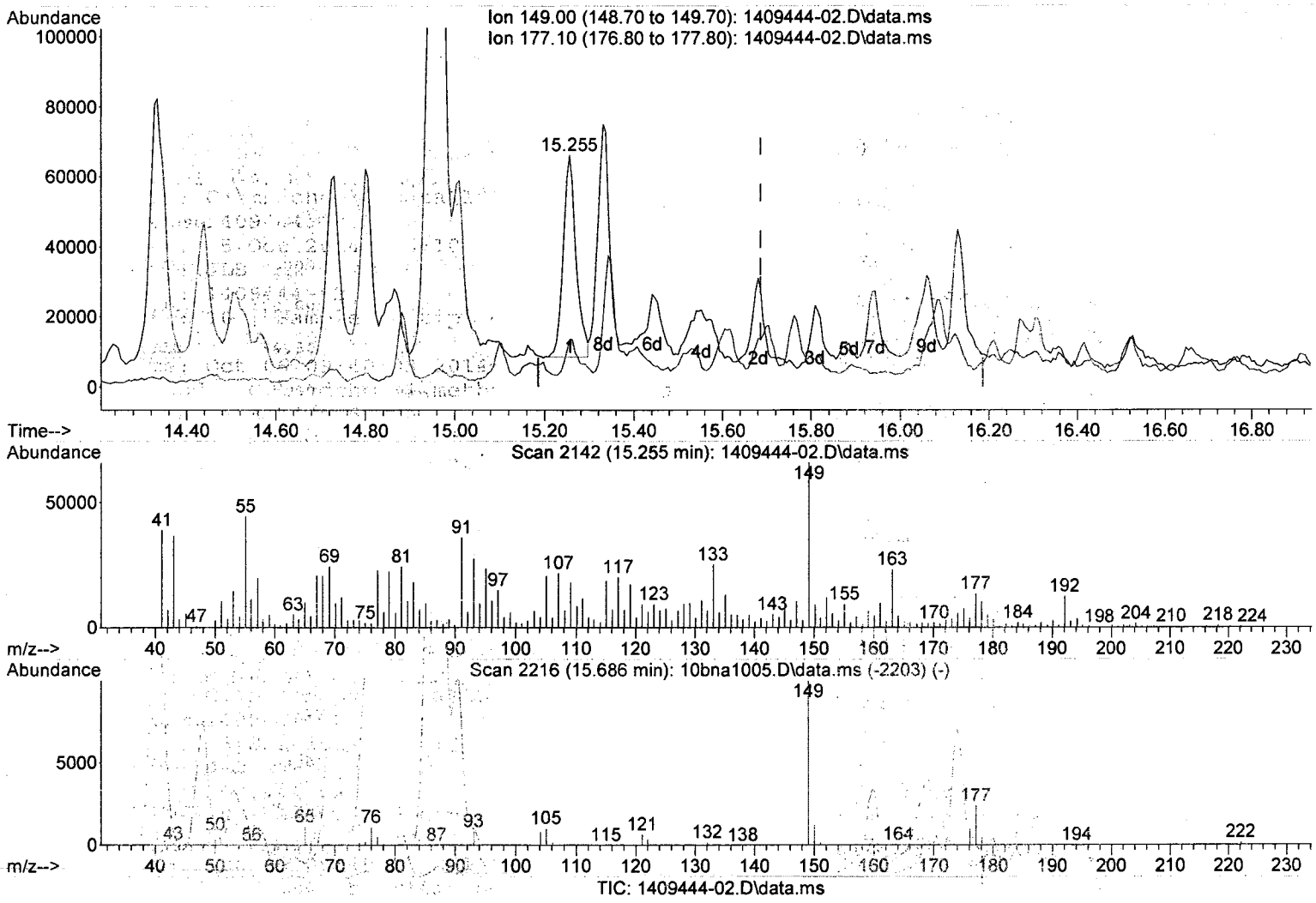
Ion	Exp%	Act%
166.10	100.00	100.00
165.10	94.50	94.08
82.60	15.40	26.01#
0.00	0.00	0.00

002318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(63) Diethyl Phthalate

15.255min (-0.431) 0.57 ng/uL

response 113325

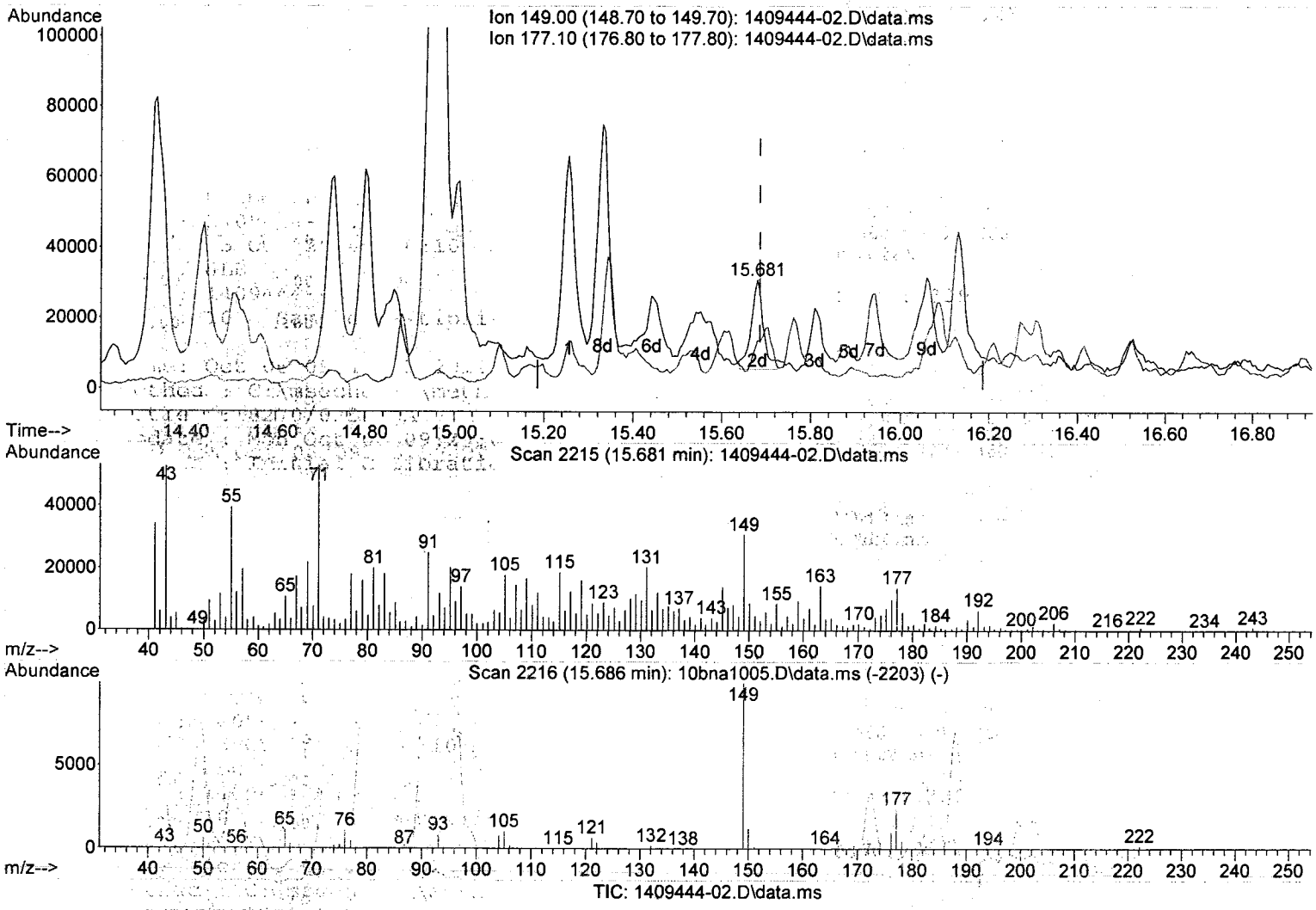
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	18.38
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/6/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

15.681min (-0.006) 0.25 ng/uL m

response 48658

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	42.81#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

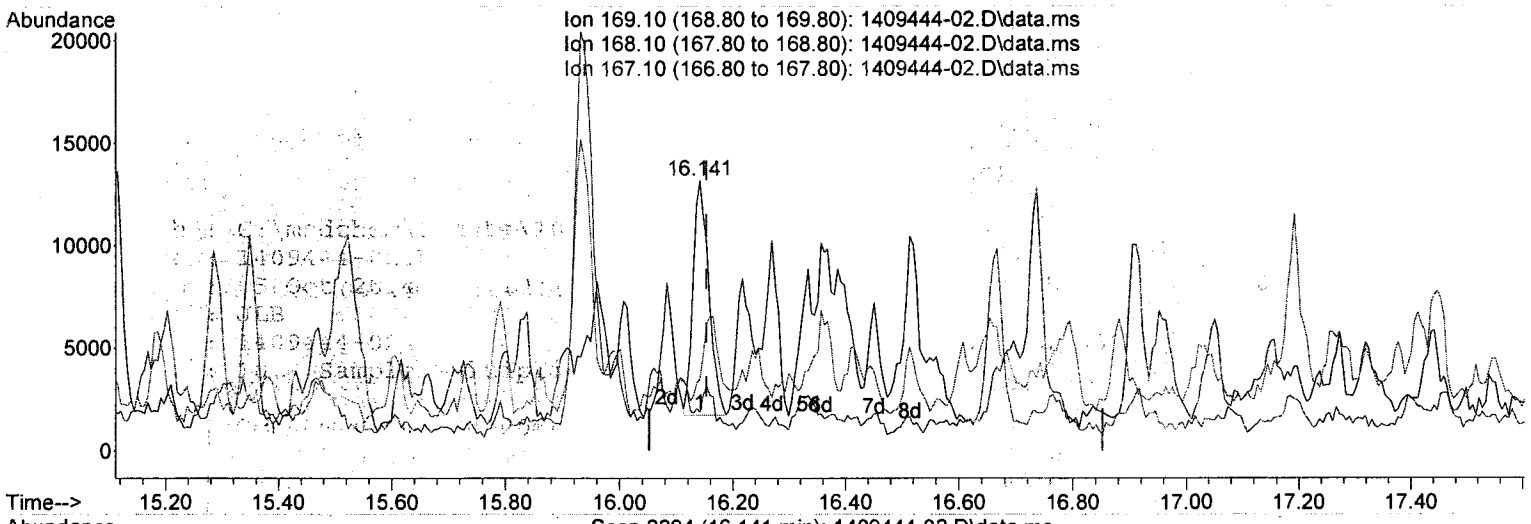
Analyst: JLB Date: 10/6/14

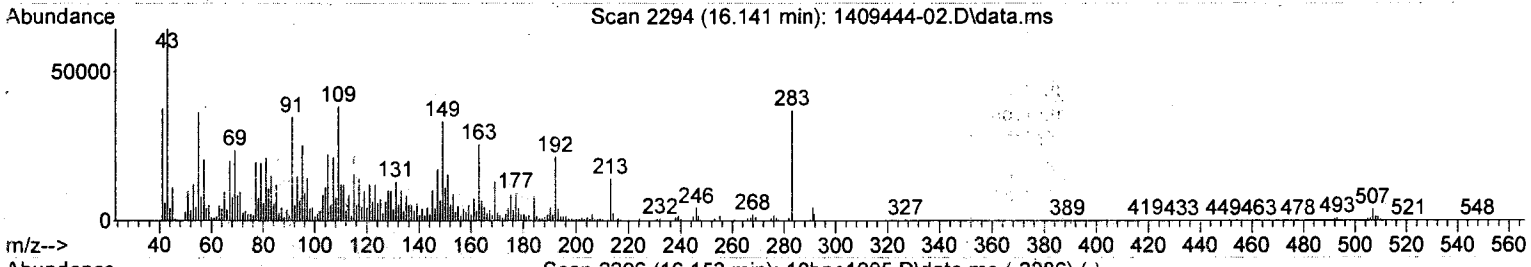
Reviewed By: DSC Date: 10/10/14

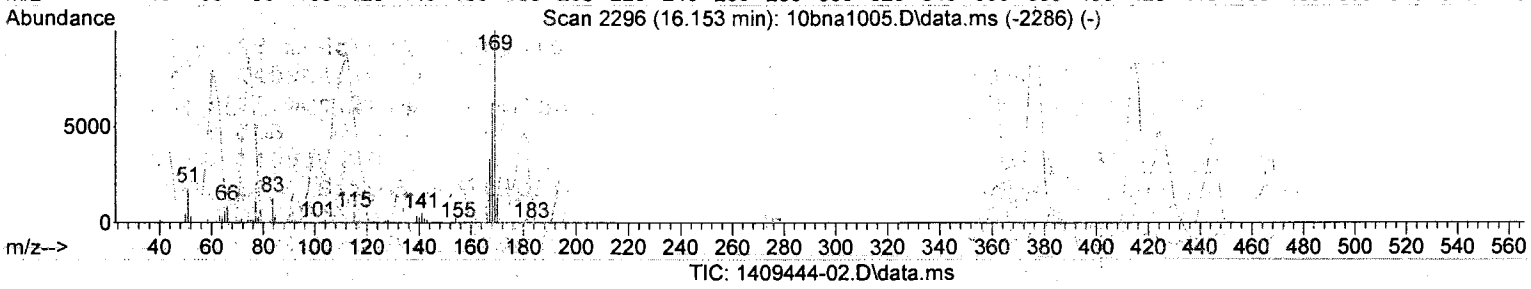
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(68) N-Nitroso-diphenylamine (C)

16.141min (-0.012) 0.14 ng/uL

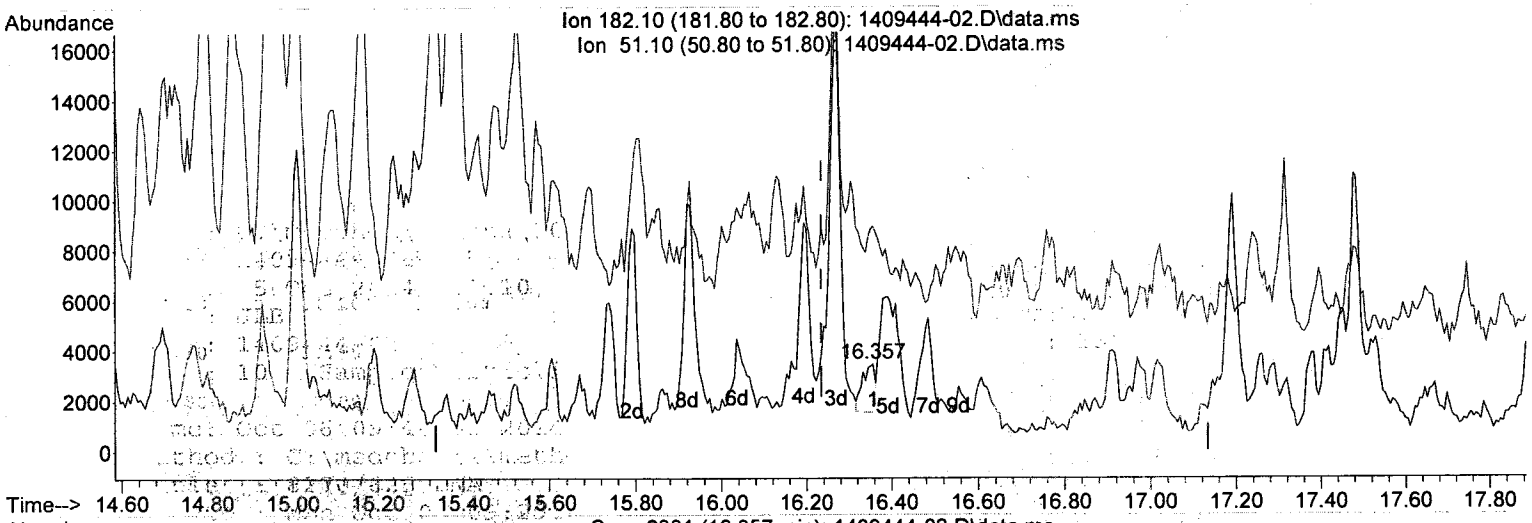
response 22103

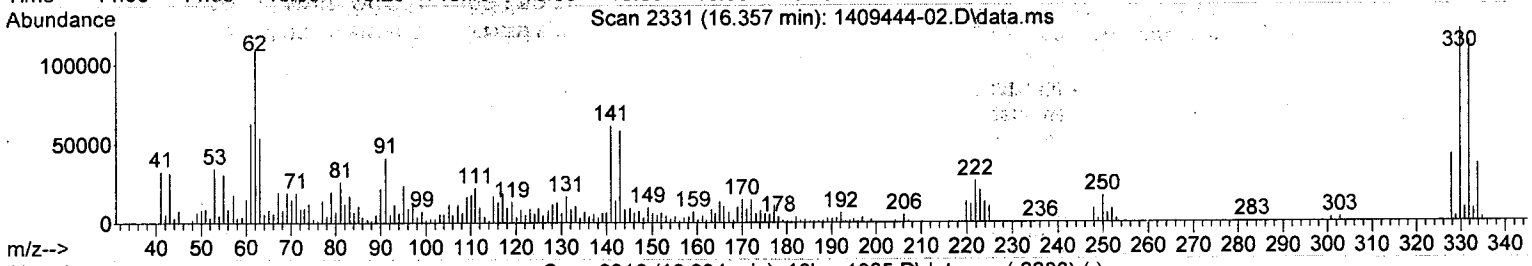
Ion	Exp%	Act%
169.10	100.00	100.00
168.10	64.20	17.60#
167.10	33.90	36.50
0.00	0.00	0.00

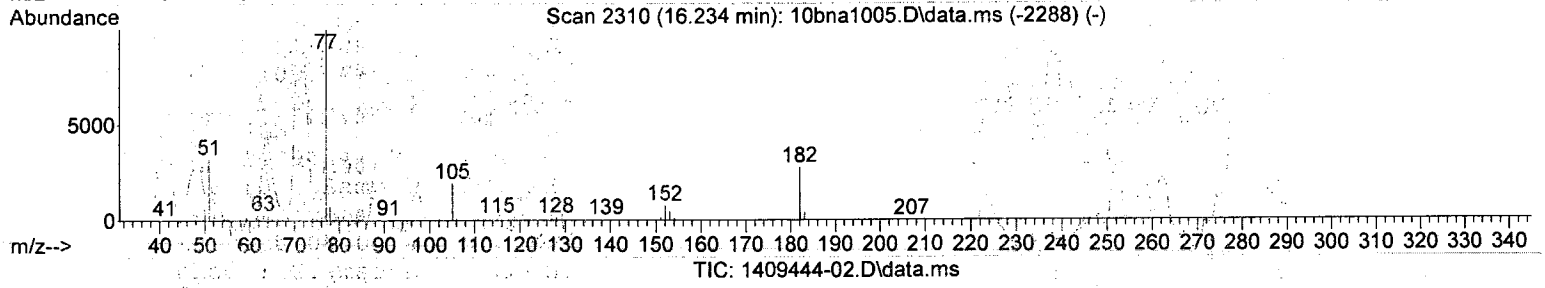
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(69) 1,2-Diphenylhydrazine

16.357min (+ 0.122) 0.07 ng/uL

response 3917

Ion	Exp%	Act%
182.10	100.00	100.00
51.10	127.80	104.93
0.00	0.00	0.00
0.00	0.00	0.00

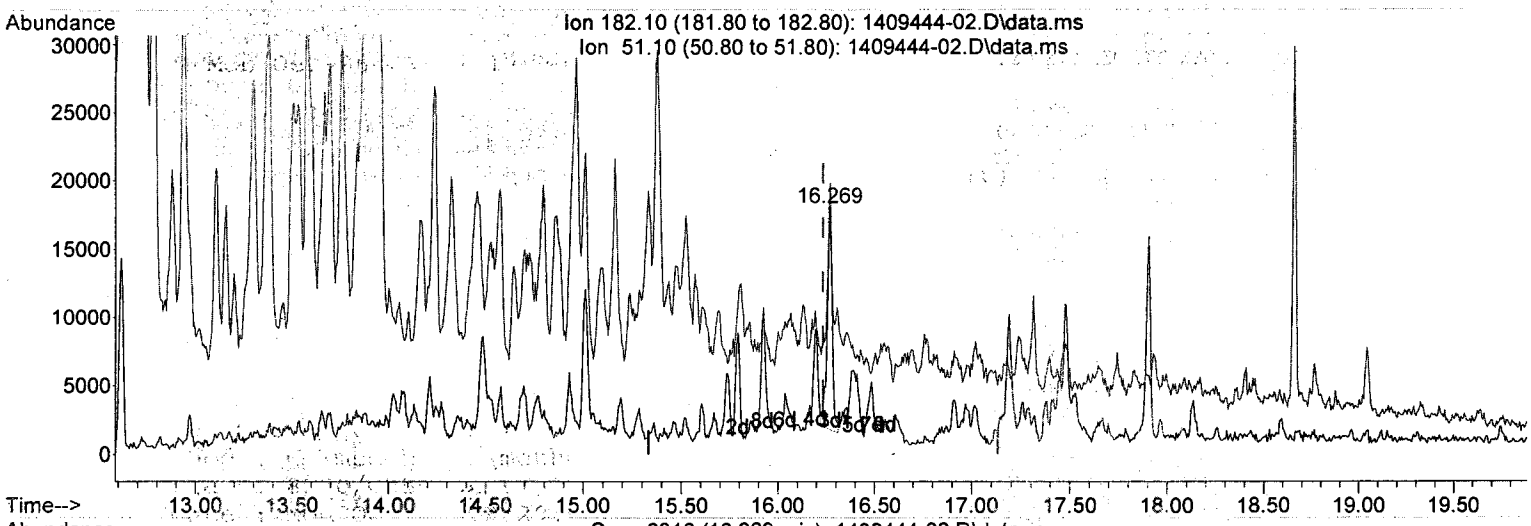
JWS 10/6/14

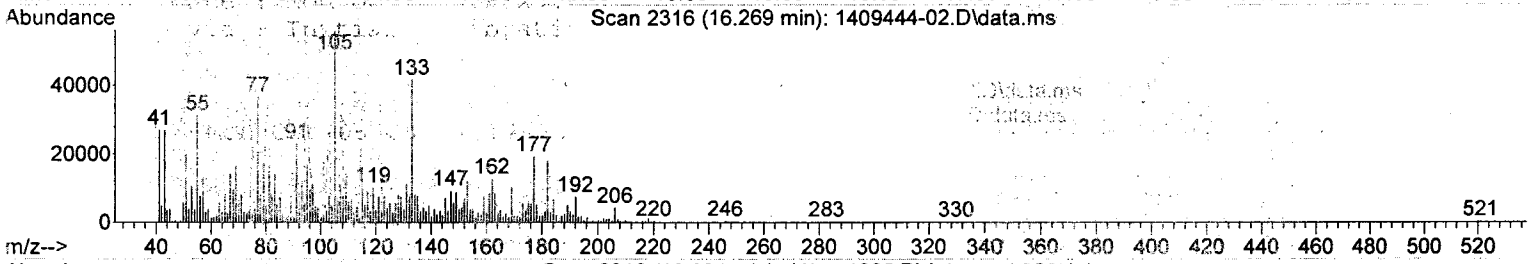
002322

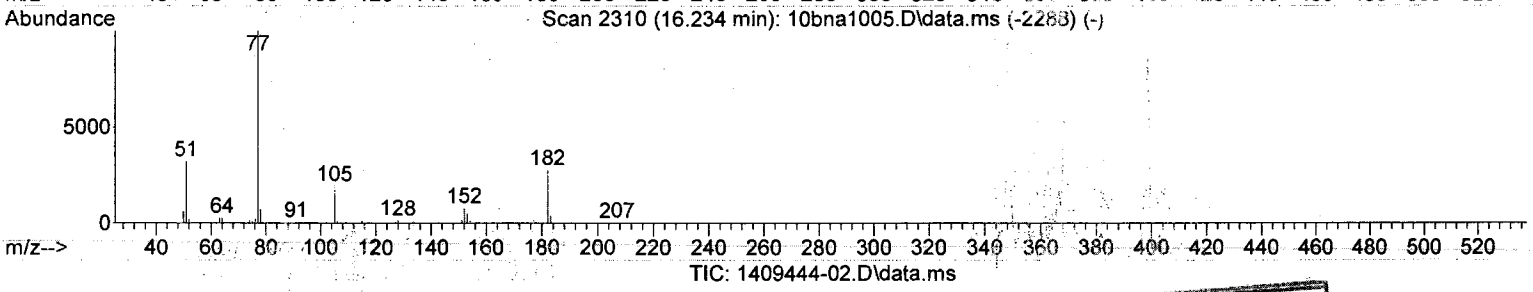
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(69) 1,2-Diphenylhydrazine

16.269min (+ 0.035) 0.49 ng/uL m

response 28773

Ion	Exp%	Act%
182.10	100.00	100.00
51.10	127.80	14.28#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/6/14

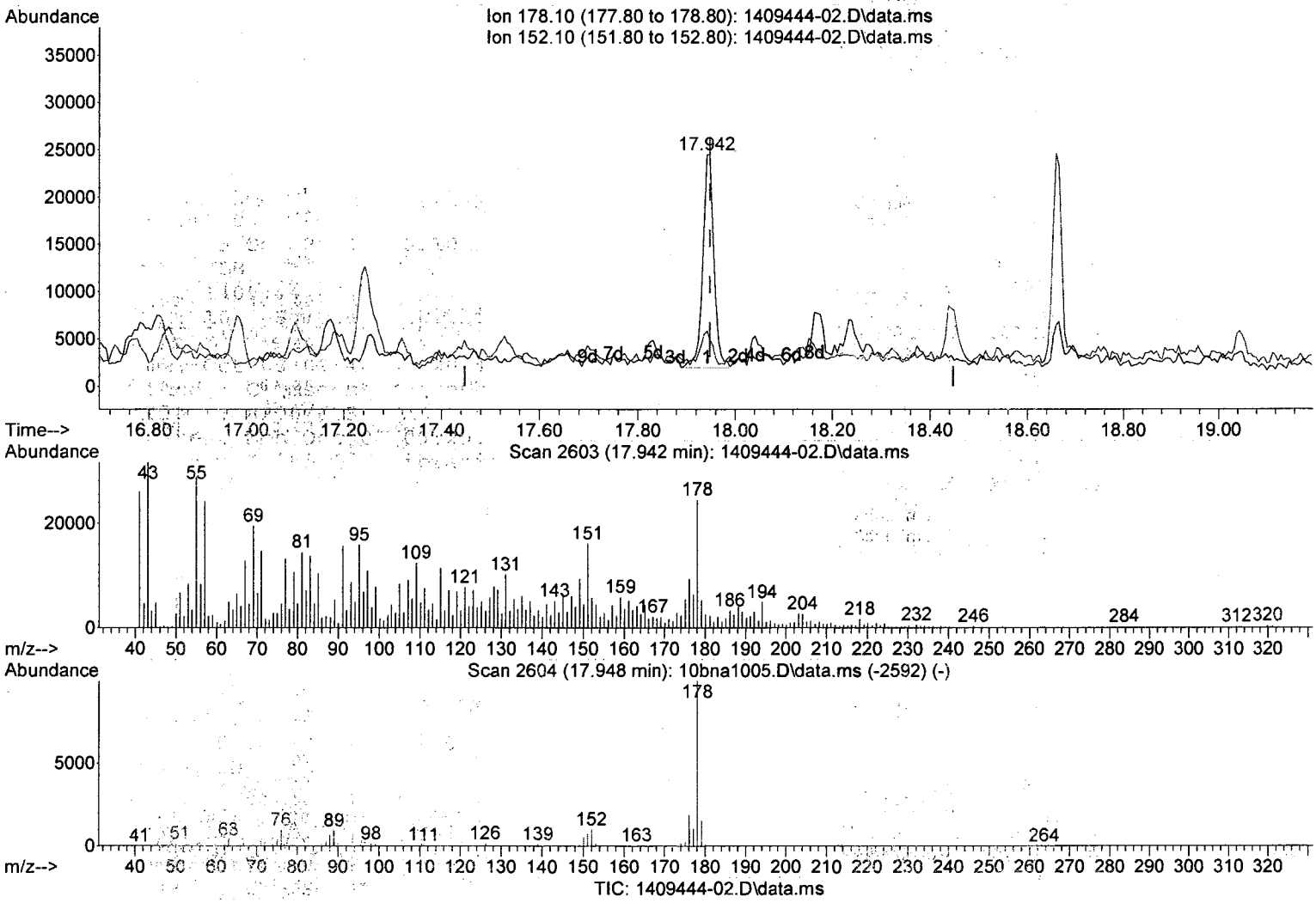
Reviewed By: _____ Date: _____

PS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(75) Phenanthrene

17.942min (-0.006) 0.12 ng/uL

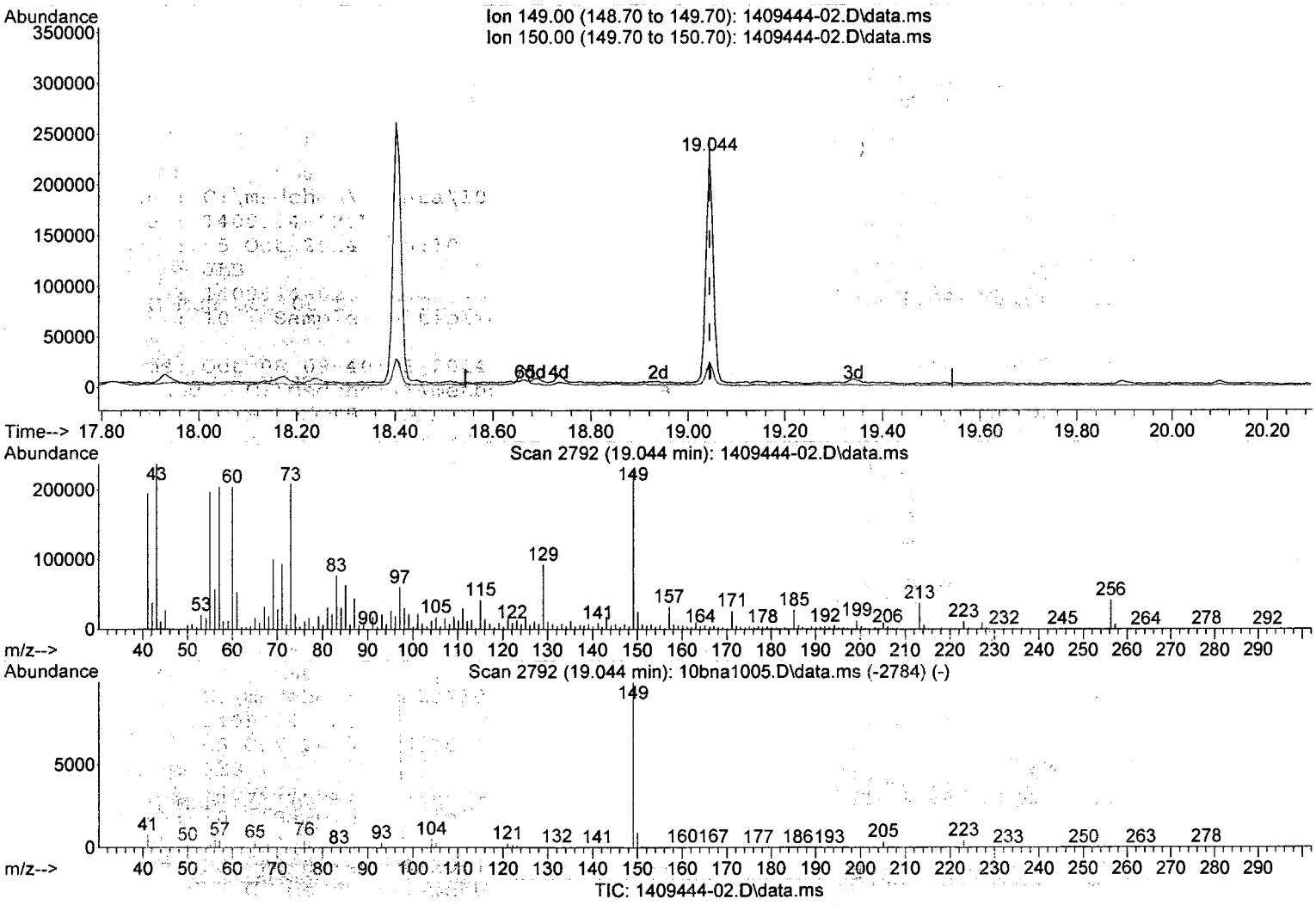
response 35067

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	16.75#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(79) Di-n-butyl Phthalate

19.044min (+ 0.000) 0.83 ng/uL

response 232481

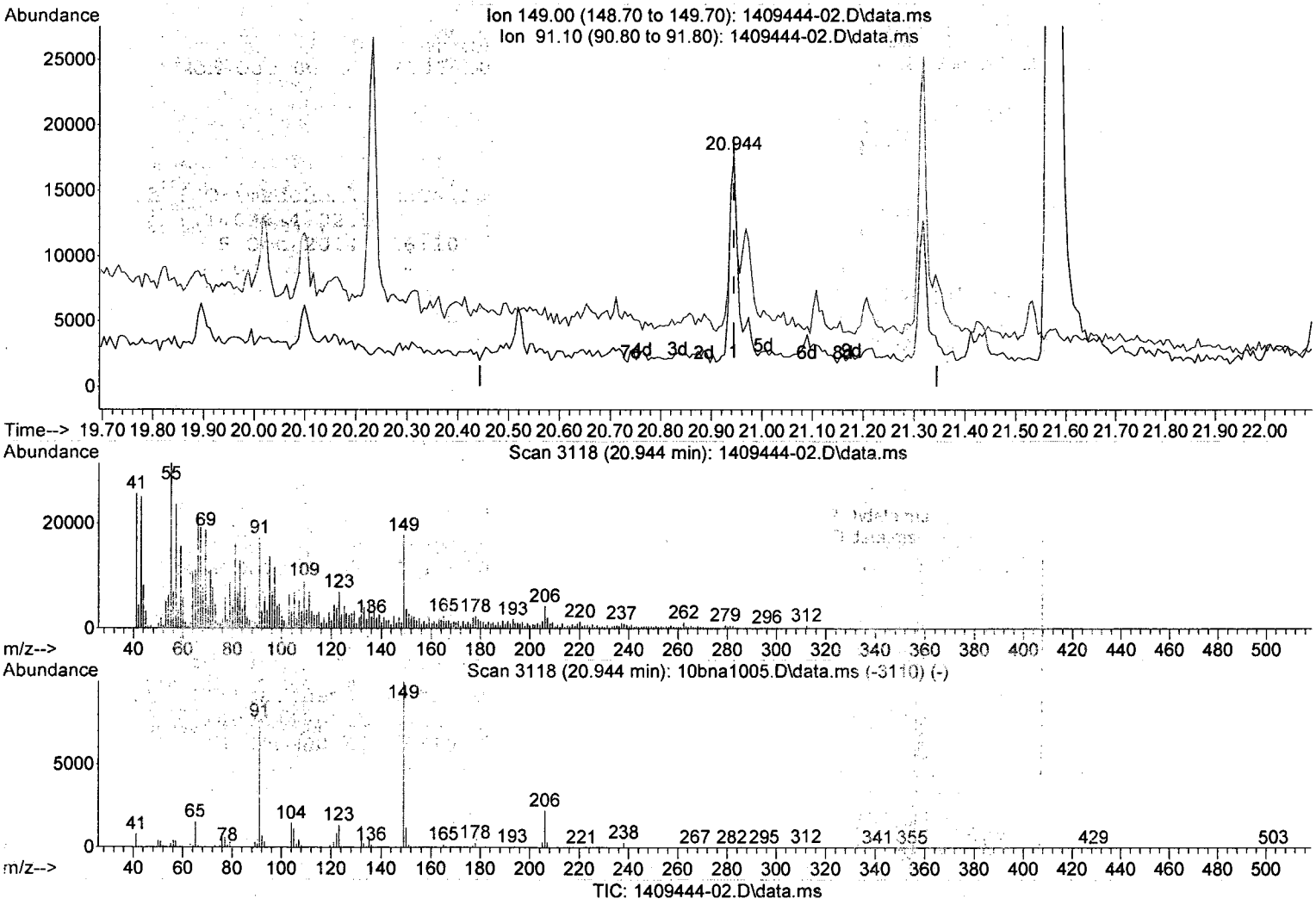
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	10.76#
0.00	0.00	0.00
0.00	0.00	0.00

002325

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(83) Butyl Benzyl Phthalate

20.944min (+ 0.000) 0.16 ng/uL

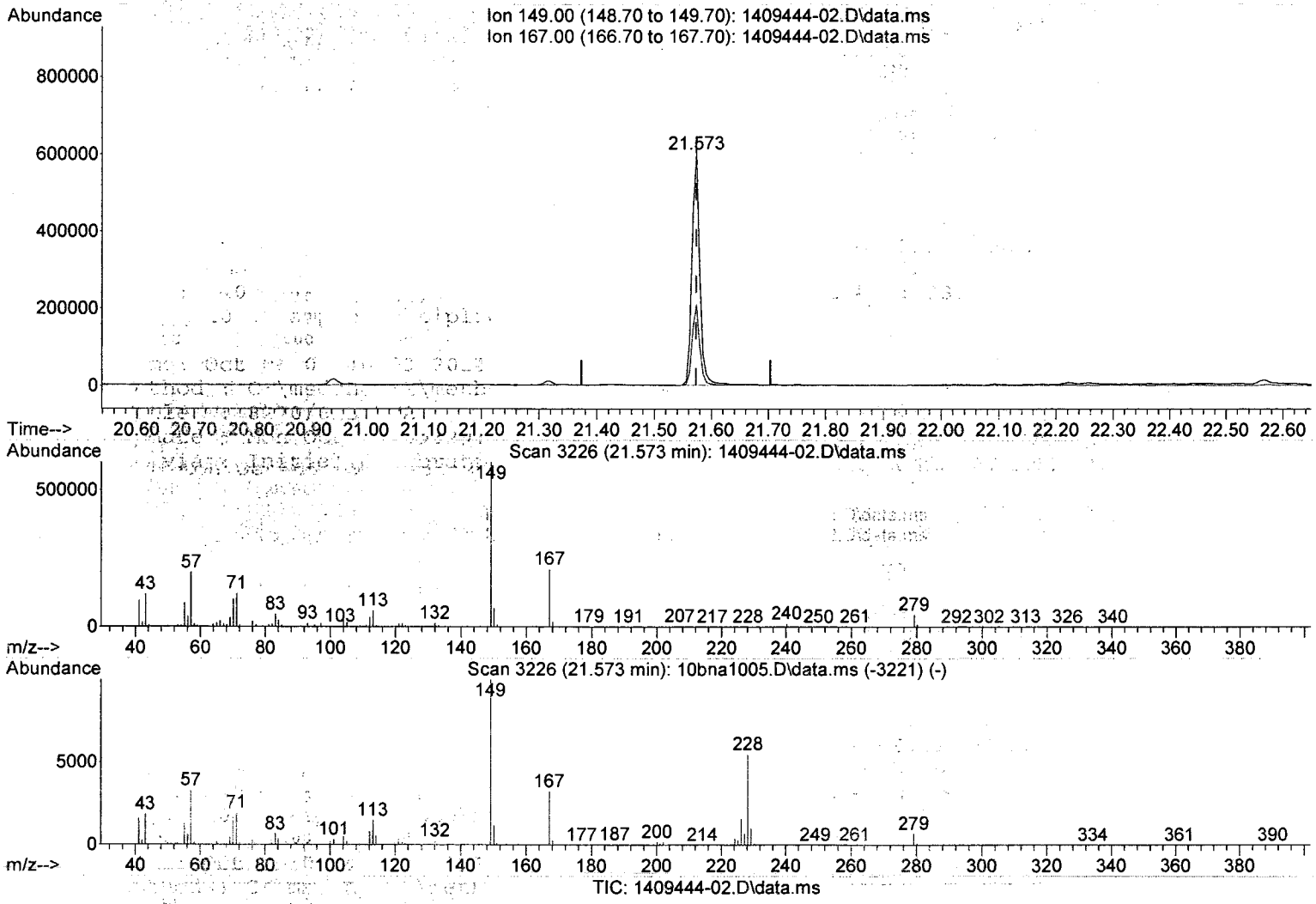
response 20411

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.00	69.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.573min (+ 0.000) 3.60 ng/uL

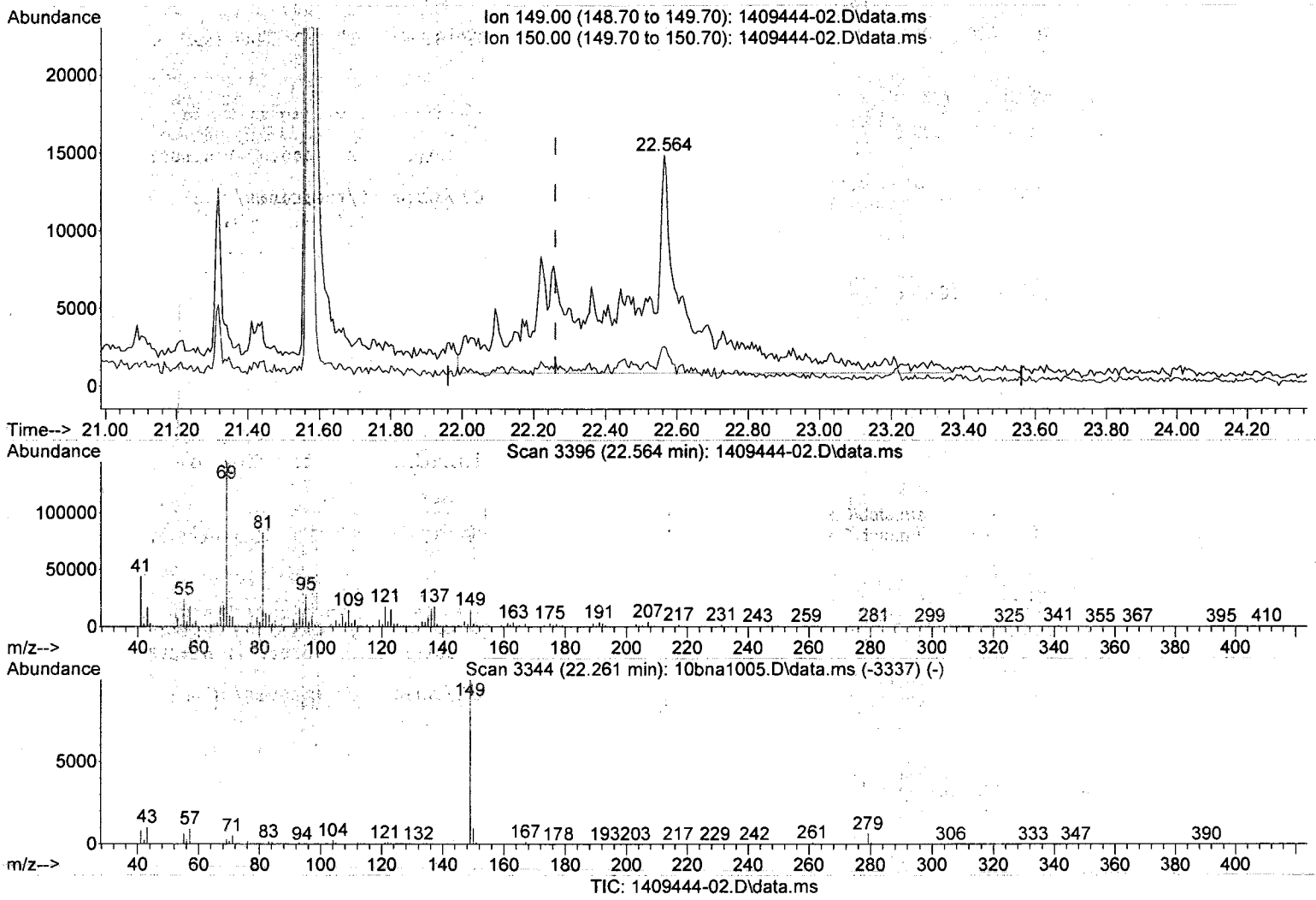
response 570219

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:40:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409444-02.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.564min (+ 0.303) 1.04 ng/uL

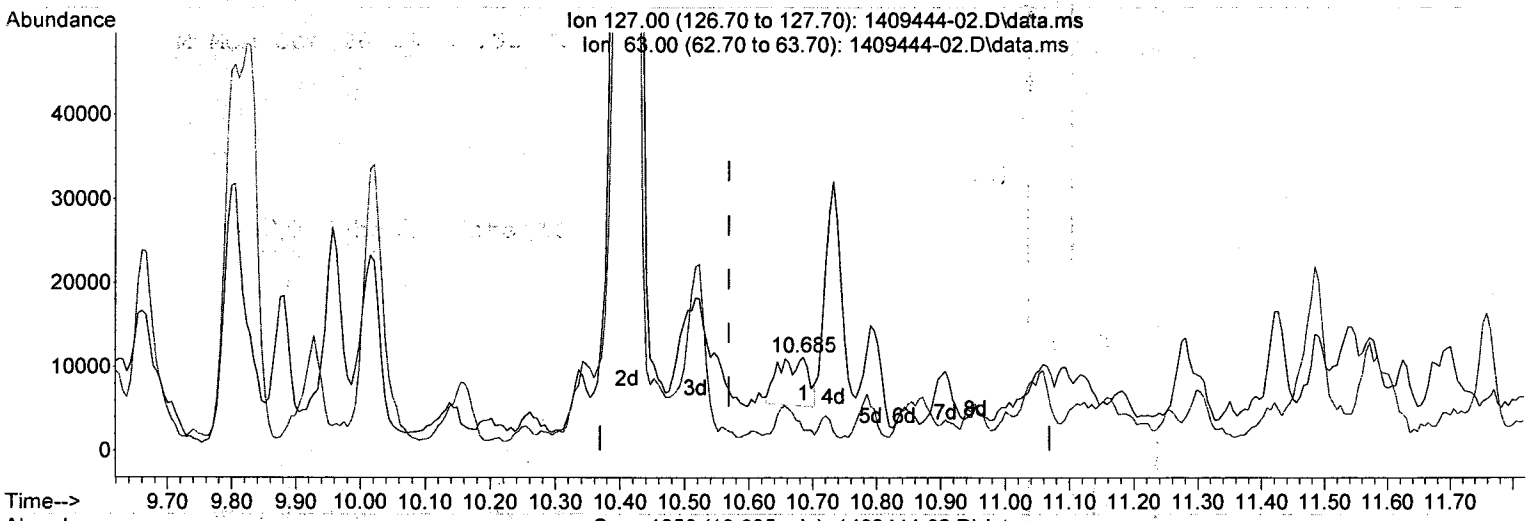
response 202380

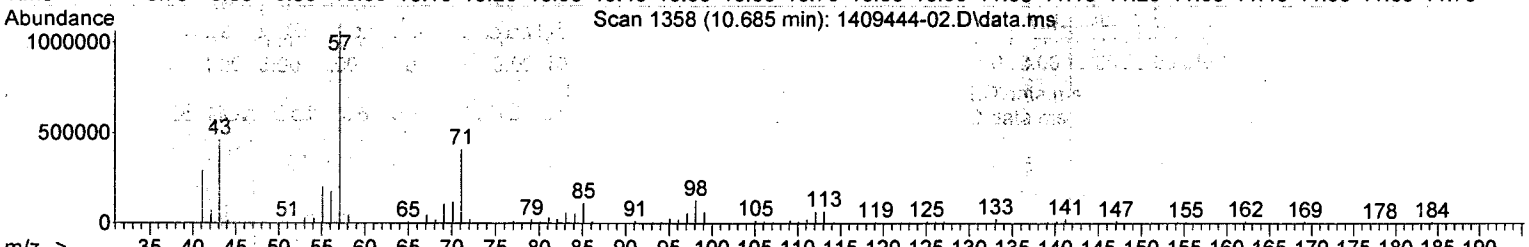
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.88#
0.00	0.00	0.00
0.00	0.00	0.00

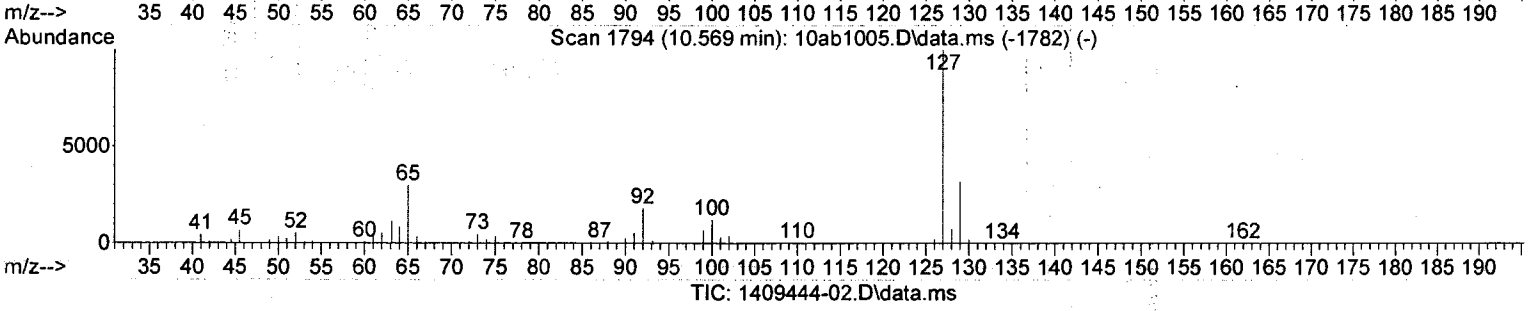
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409444-02.D
Acq On : 5 Oct 2014 16:10
Operator : JLB
Sample : 1409444-02 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 09:20:58 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration







TIC: 1409444-02.D\data.ms

(9) 4-Chloroaniline

10.685min (+ 0.117) 0.16 ng/uL

response 18541

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	40.60
0.00	0.00	0.00
0.00	0.00	0.00

RT

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB23-25

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-03 File ID: 1409444-03.D

Sampled: 09/24/14 12:45 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 12:17

Solids: 96.74 Preparation: 3550C Sonication Extract Initial/Final: 30 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	8.6	2.0	8.6	17	U
207-08-9	Benzo(k)fluoranthene	1	8.6	2.0	8.6	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.6	2.0	8.6	34	U
65-85-0	Benzoic Acid	1	88	72	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	15	14	34	69	J
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB23-25

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-03 File ID: 1409444-03.D

Sampled: 09/24/14 12:45 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 12:17

Solids: 96.74 Preparation: 3550C Sonication Extract Initial/Final: 30 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	64	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	689	422	61	33 - 113	
Phenol-d6	689	317	46	30 - 115	
Nitrobenzene-d5	345	261	76	33 - 131	
2-Fluorobiphenyl	345	295	86	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB23-25

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-03
File ID: 1409444-03.D
Sampled: 09/24/14 12:45
Prepared: 09/30/14 07:32
Analyzed: 10/07/14 12:17
Solids: 96.74
Preparation: 3550C Sonication Extract
Initial/Final: 30 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08017
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	689	562	82	12 - 124	
o-Terphenyl	345	314	91	20 - 155	

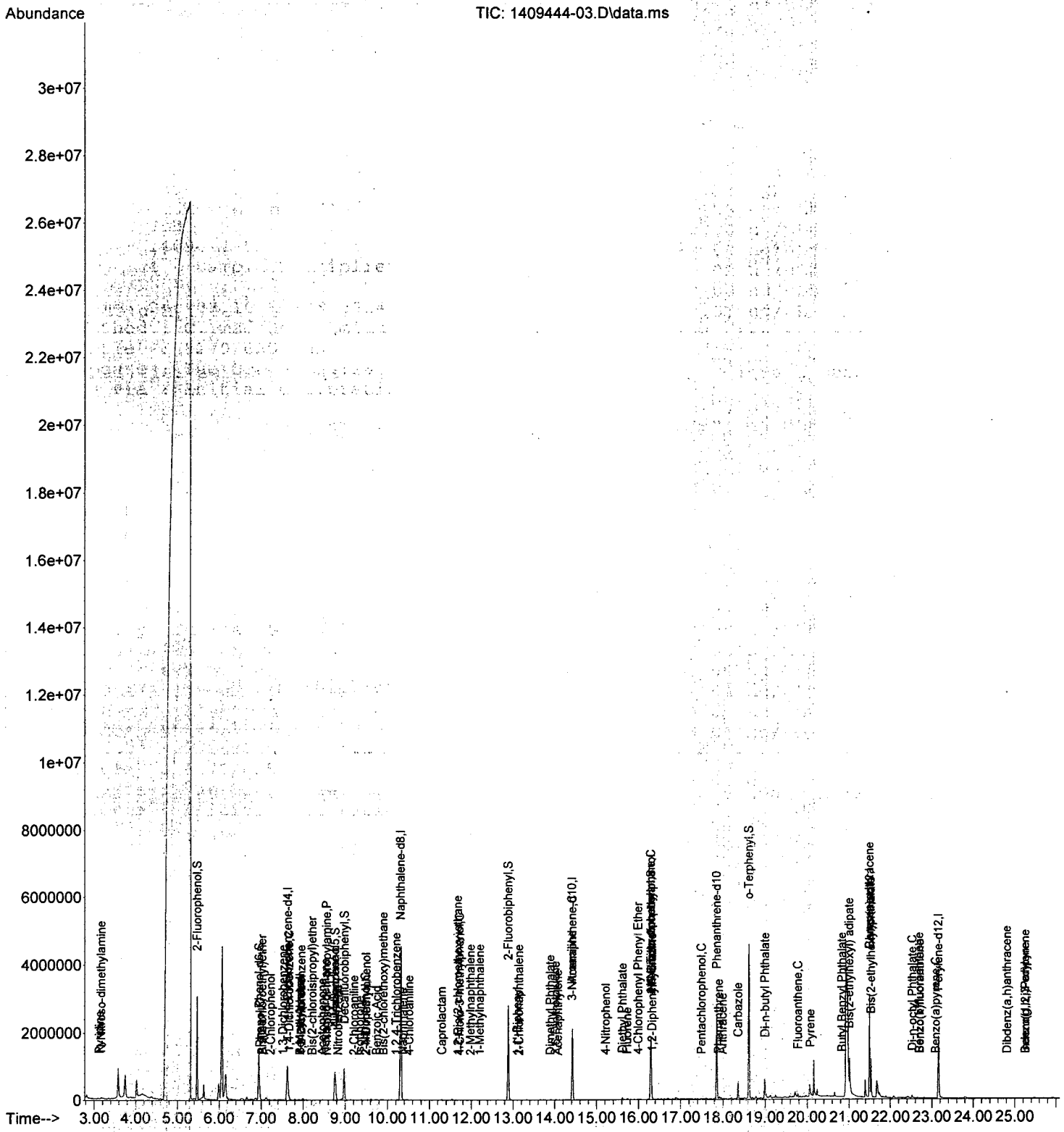
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	385870	7.625	403279	7.614	
Naphthalene-d8	1304738	10.318	1529030	10.359	
Acenaphthene-d10	883766	14.416	866604	14.474	
Phenanthrene-d10	1478632	17.855	1400442	17.901	
Chrysene-d12	1265939	21.498	1153654	21.538	
Perylene-d12	1052901	23.159	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-03.D
Acq On : 7 Oct 2014 12:17
Operator : JLB
Sample : 1409444-03 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 10:12:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-03.D
Acq On : 7 Oct 2014 12:17
Operator : JLB
Sample : 1409444-03 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 10:12:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	385870	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.318	136	1304738	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.416	164	883766	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.855	188	1478632	5.00	ng/uL	0.00
81) Chrysene-d12	21.498	240	1265939	5.00	ng/uL	# 0.00
89) Perylene-d12	23.159	264	1052901	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.469	112	1080951m	12.26	ng/uL	0.31
6) Phenol-d6	6.949	99	1049524	9.20	ng/uL	0.06
21) Nitrobenzene-d5	8.756	82	631745	7.57	ng/uL	0.00
23) Decafluorobiphenyl	8.978	334	490089	8.38	ng/uL	0.00
47) 2-Fluorobiphenyl	12.889	172	1563783	8.56	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.304	330	365834	16.31	ng/uL	-0.01
78) o-Terphenyl	18.618	230	1155195	9.11	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.166	74	122	0.00	ng/uL#	1
3) Pyridine	3.126	79	732	0.01	ng/uL	84
5) Aniline	7.025	93	384	0.23	ng/uL#	1
7) Phenol	6.973	94	1396	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.025	93	384	0.00	ng/uL#	73
9) 2-Chlorophenol	7.223	128	134	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.515	146	2114	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.660	146	1135	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.952	146	1898	0.02	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.214	45	100	0.00	ng/uL#	51
14) Benzyl Alcohol	7.923	108	323	0.00	ng/uL#	1
15) 2-Methylphenol	7.923	108	323	0.00	ng/uL#	1
16) Acetophenone	8.447	105	752	0.01	ng/uL#	61
17) Hexachloroethane	8.529	119	112	0.00	ng/uL#	3
18) 4-Methylphenol	8.756	108	364	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.558	70	508	0.01	ng/uL	97
22) Nitrobenzene	8.826	77	369	0.00	ng/uL#	60
24) Isophorone	9.345	82	944	0.01	ng/uL#	76
25) 2-Chloroaniline	9.211	127	81	0.00	ng/uL#	1
26) 2-Nitrophenol	9.479	139	54	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.496	107	53	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.904	93	53	0.00	ng/uL#	43
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.741	105	6176m	2.54	ng/uL	
31) 1,2,4-Trichlorobenzene	10.207	180	774	0.01	ng/uL	95
32) Naphthalene	10.365	128	1284	0.00	ng/uL#	1
33) 4-Chloroaniline	10.511	127	373	0.01	ng/uL#	26
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.292	55	7548	0.20	ng/uL#	48
37) 1,2-Bis(2-chloroethoxy...	11.682	63	182	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.717	107	138	0.00	ng/uL#	1
39) 2-Methylnaphthalene	11.979	142	158	0.00	ng/uL#	50
40) 1-Methylnaphthalene	12.207	142	121	0.00	ng/uL#	56
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-03.D
Acq On : 7 Oct 2014 12:17
Operator : JLB
Sample : 1409444-03 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 10:12:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43)	1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44)	Hexachlorocyclopentadiene	0.000		0	N.D.	
45)	2,4,6-Trichlorophenol	0.000		0	N.D.	
46)	2,4,5-Trichlorophenol	0.000		0	N.D.	
48)	2-Chloronaphthalene	13.139	162	433	0.00 ng/uL	93
49)	1,1'-Biphenyl	13.098	154	611	0.00 ng/uL#	73
50)	2-Nitroaniline	0.000		0	N.D.	
51)	Acenaphthylene	14.072	152	252	0.00 ng/uL#	55
52)	2,6-Dinitrotoluene	14.019	165	583	0.01 ng/uL#	29
53)	Dimethyl Phthalate	13.897	163	5499	0.03 ng/uL#	83
54)	3-Nitroaniline	14.410	138	135	0.00 ng/uL#	1
55)	Acenaphthene	14.416	153	131	0.00 ng/uL#	1
56)	2,4-Dinitrophenol	0.000		0	N.D.	
57)	Dibenzofuran	0.000		0	N.D.	
58)	4-Nitrophenol	15.220	65	108	0.00 ng/uL#	16
59)	2,4-Dinitrotoluene	0.000		0	N.D.	
60)	2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62)	Fluorene	15.727	166	72	0.00 ng/uL#	1
63)	Diethyl Phthalate	15.616	149	10601	0.06 ng/uL	96
64)	4-Chlorophenyl Phenyl ...	15.989	204	337	0.00 ng/uL#	1
65)	4-Nitroaniline	0.000		0	N.D.	
67)	4,6-Dinitro-2-methylph...	16.304	198	882	1.01 ng/uL#	1
68)	N-Nitroso-diphenylamine	16.298	169	14103	0.09 ng/uL#	41
69)	1,2-Diphenylhydrazine	16.328	182	131	0.00 ng/uL	86
71)	4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72)	Hexachlorobenzene	0.000		0	N.D.	
73)	Atrazine	0.000		0	N.D.	
74)	Pentachlorophenol	17.493	266	806	0.03 ng/uL#	6
75)	Phenanthrene	17.895	178	2021	0.01 ng/uL#	63
76)	Anthracene	17.989	178	307	0.00 ng/uL#	1
77)	Carbazole	18.356	167	9068	0.04 ng/uL#	62
79)	Di-n-butyl Phthalate	18.997	149	126416	0.44 ng/uL	98
80)	Fluoroanthene	19.778	202	745	0.00 ng/uL#	83
82)	Pyrene	20.075	202	1248	0.00 ng/uL#	1
83)	Butyl Benzyl Phthalate	20.833	149	447	0.00 ng/uL	98
84)	Bis(2-ethylhexyl) adipate	21.008	129	6391	0.12 ng/uL#	100
85)	Benzo(a)anthracene	21.498	228	3547	0.02 ng/uL#	1
86)	Chrysene	21.498	228	3547	0.02 ng/uL#	49
87)	Bis(2-ethylhexyl)phtha...	21.532	149	282846	1.86 ng/uL	93
88)	Di-n-octyl Phthalate	22.523	149	50604	0.52 ng/uL	96
90)	Benzo(b)fluoroanthene	22.692	252	105	0.00 ng/uL#	1
91)	Benzo(k)fluoranthene	22.710	252	210	0.00 ng/uL#	1
92)	Benzo(a)pyrene	23.089	252	481	0.00 ng/uL#	89
93)	Indeno(1,2,3-cd)pyrene	25.257	276	789	0.01 ng/uL#	86
94)	Dibdenz(a,h)anthracene	24.814	278	563	0.00 ng/uL#	84
95)	Benzo(g,h,i)Perylene	25.257	276	789	0.01 ng/uL	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-03.D
Acq On : 7 Oct 2014 12:17
Operator : JLB
Sample : 1409444-03 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 07 13:15:20 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration

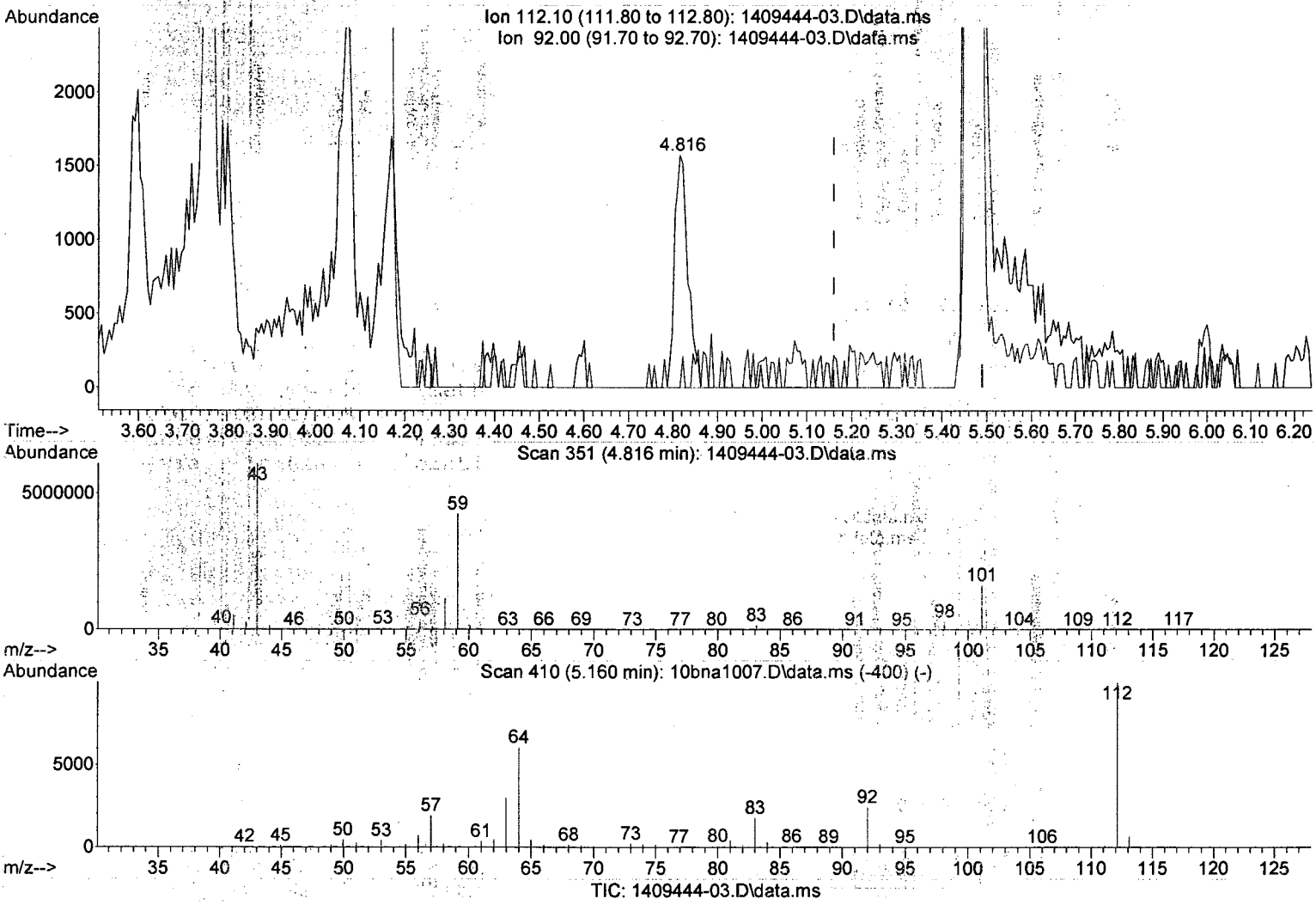
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.625	152	375201	5.00	ng/uL	#	0.05
8) Naphthalene-d8	10.318	136	1304738	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.416	164	880304	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.855	188	1478632	5.00	ng/uL		0.00
19) Chrysene-d12	21.498	240	1265939	5.00	ng/uL	#	0.00
22) Perylene-d12	23.159	264	1064061	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.213	74	499	0.01	ng/uL	#	1
3) Pyridine	3.126	79	732	0.01	ng/uL		84
4) Aniline	7.025	93	384	0.00	ng/uL	#	1
5) Benzaldehyde	6.739	105	745	0.01	ng/uL	#	1
6) Acetophenone	8.447	105	752	0.01	ng/uL	#	80
7) N-Nitroso-di-n-propyla...	8.558	70	508	0.01	ng/uL		97
9) 4-Chloroaniline	10.592	127	145	0.01	ng/uL		99
10) Caprolactam	11.292	55	3154	0.17	ng/uL	#	53
12) 1,1'-Biphenyl	13.098	154	611	0.00	ng/uL	#	73
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.410	138	135	Below Cal		#	1
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.298	169	14103	0.08	ng/uL	#	41
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.005	184	114	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.084	252	309	0.00	ng/uL		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-03.D
Acq On : 7 Oct 2014 12:17
Operator : JLB
Sample : 1409444-03 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 07 14:30:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



TIC: 1409444-03.D\data.ms

(4) 2-Fluorophenol (S)

4.816min (-0.344) 0.04 ng/uL

response 3280

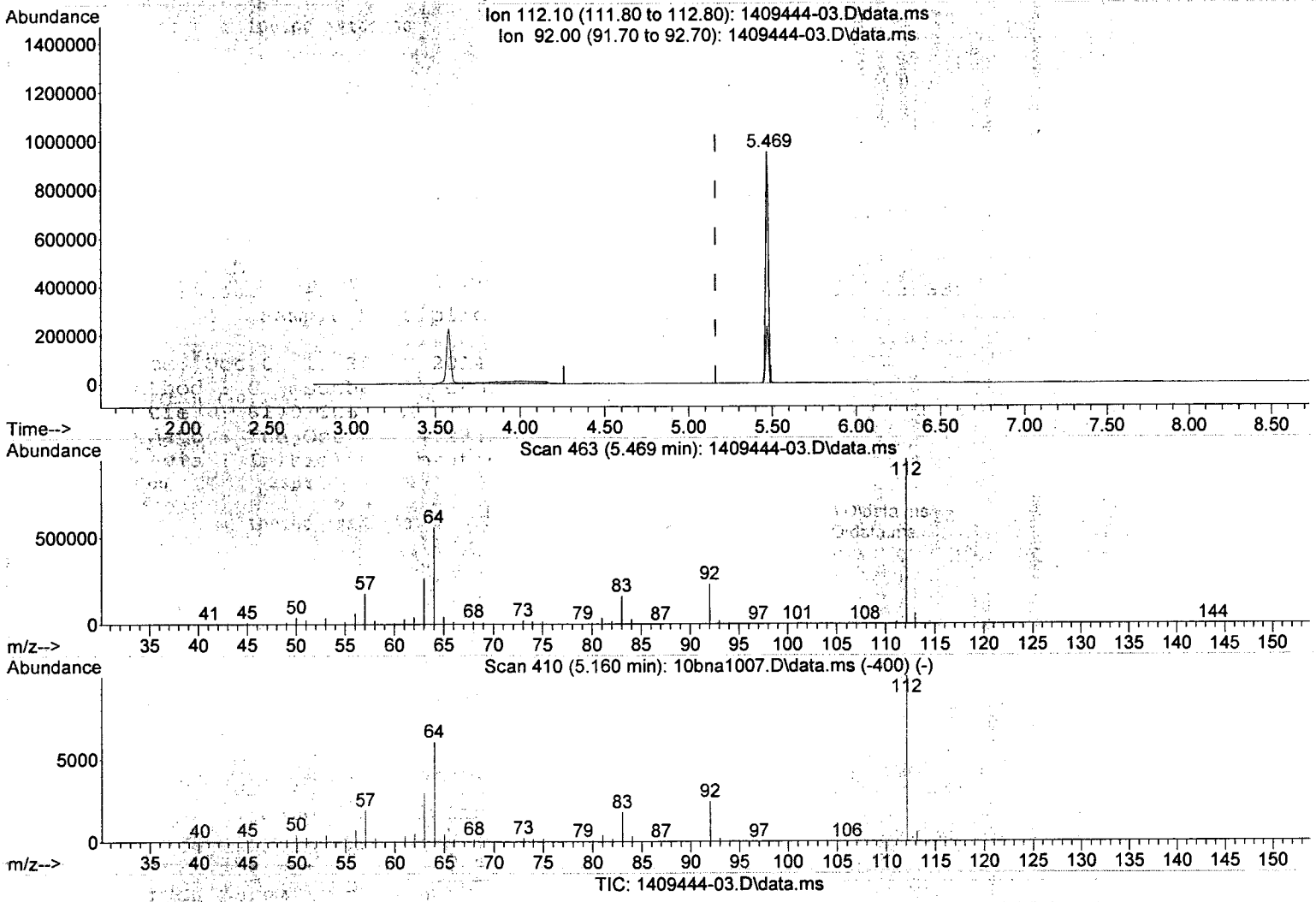
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	6.83#
0.00	0.00	0.00
0.00	0.00	0.00

JW 10/8/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-03.D
Acq On : 7 Oct 2014 12:17
Operator : JLB
Sample : 1409444-03 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 07 14:30:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



(4) 2-Fluorophenol (S)

5.469min (+ 0.309) 12.26 ng/uL m

response 1080951

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.02#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JWB Date: 10/8/14

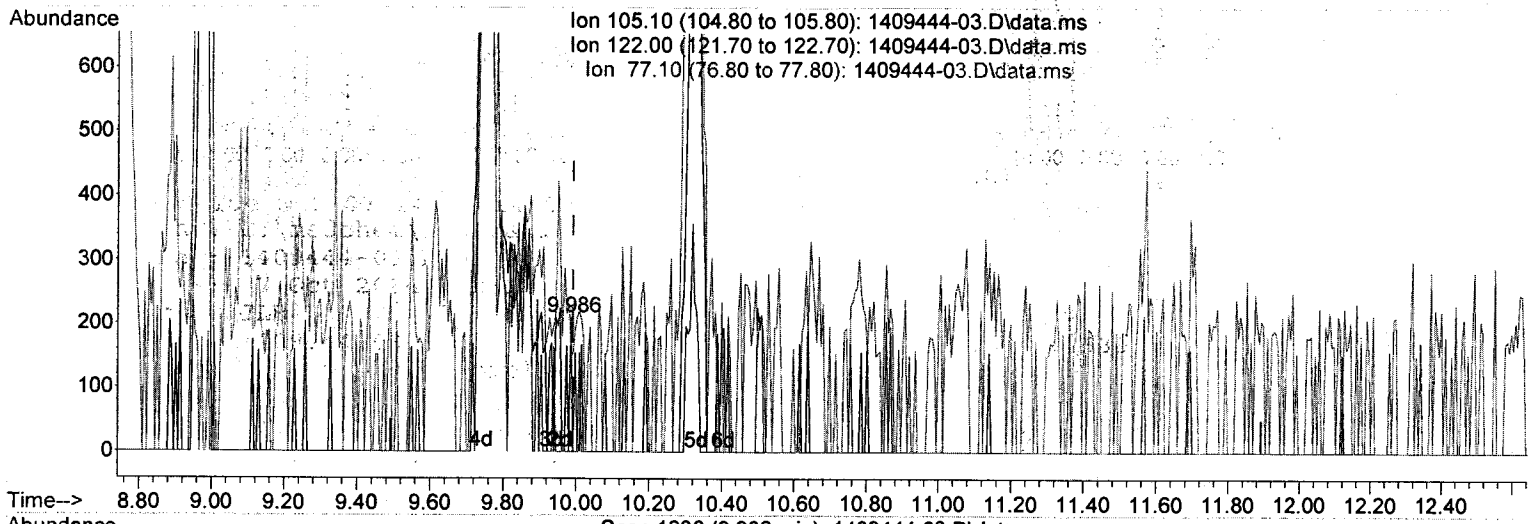
Reviewed By: ASC Date: 10/10/14

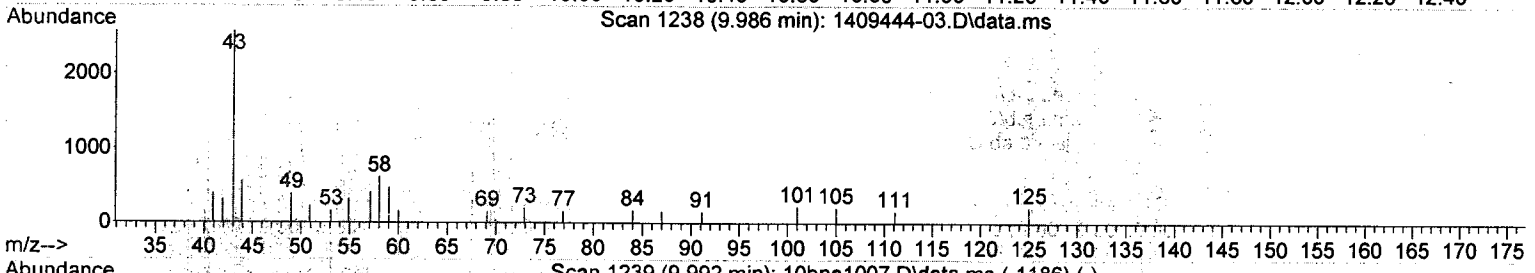
002338

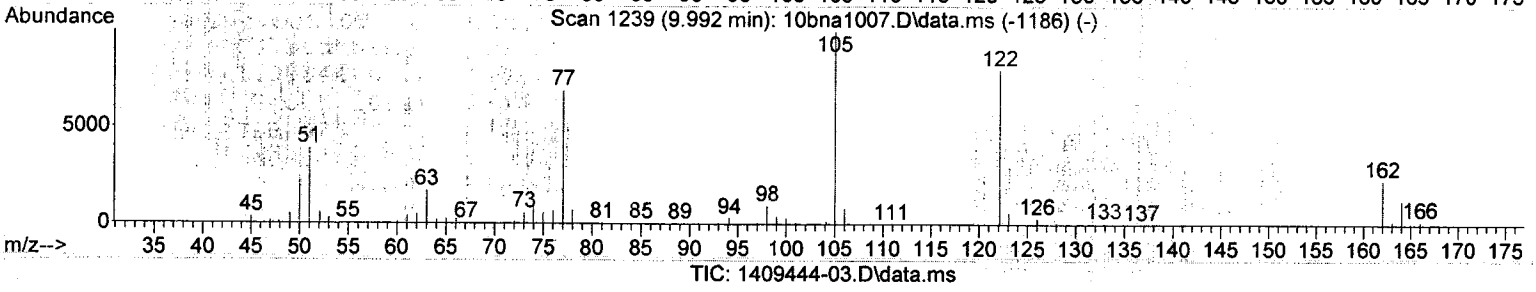
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-03.D
Acq On : 7 Oct 2014 12:17
Operator : JLB
Sample : 1409444-03 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 07 14:29:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-03.D\data.ms

(30) Benzoic Acid

9.986min (-0.006) 2.46 ng/uL

response 127

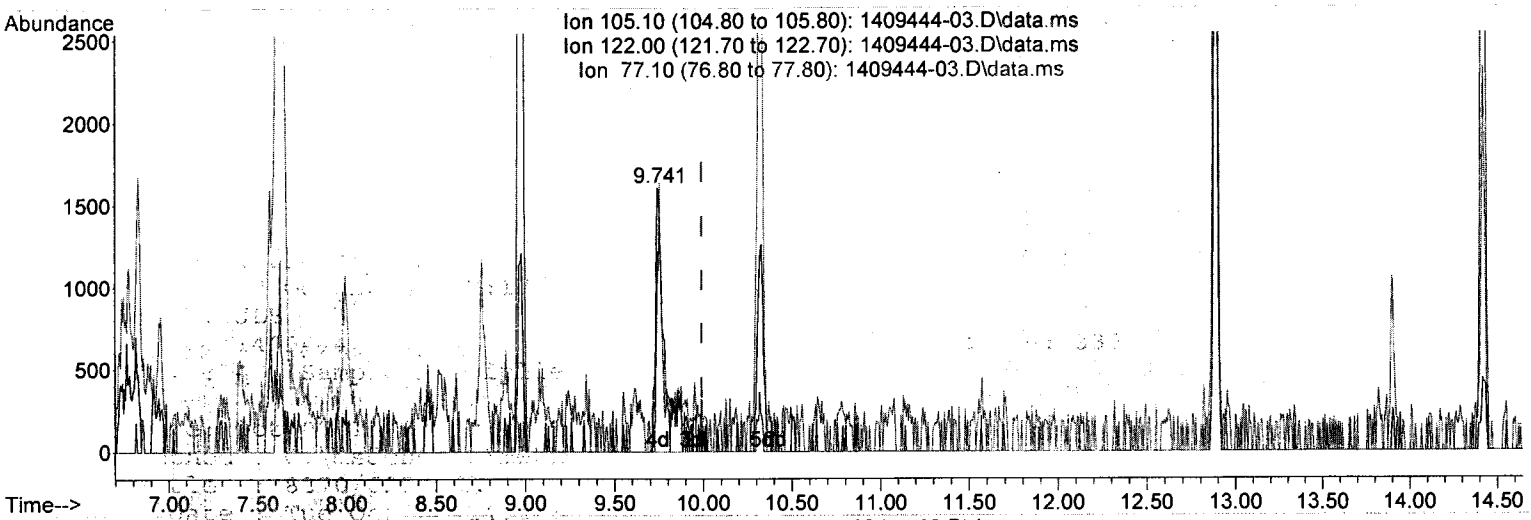
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	94.49#
0.00	0.00	0.00

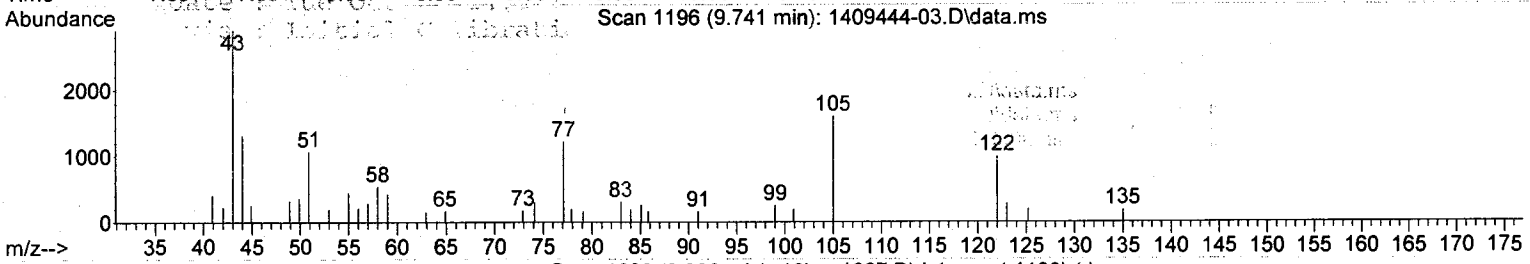
JLB 10/8/14

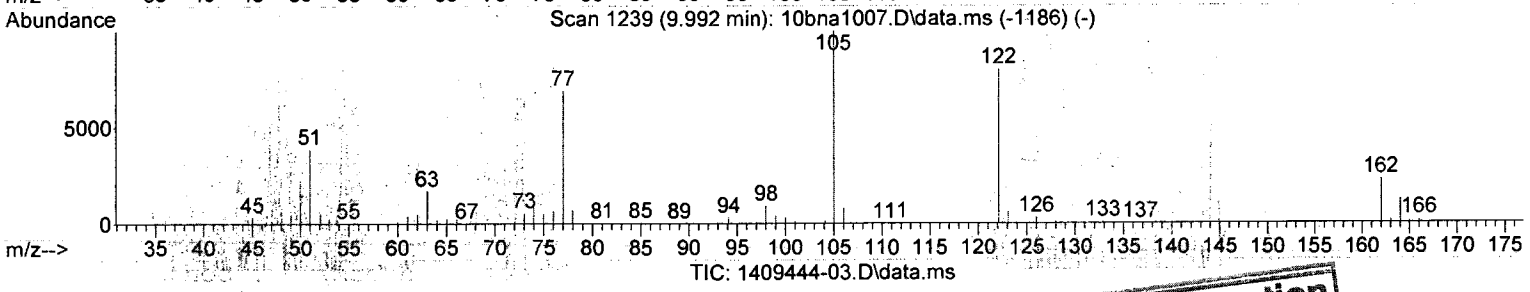
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-03.D
Acq On : 7 Oct 2014 12:17
Operator : JLB
Sample : 1409444-03 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 07 14:29:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-03.D\data.ms

(30) Benzoic Acid

9.741min (-0.251) 2.54 ng/uL m

response 6176

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	1.94#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

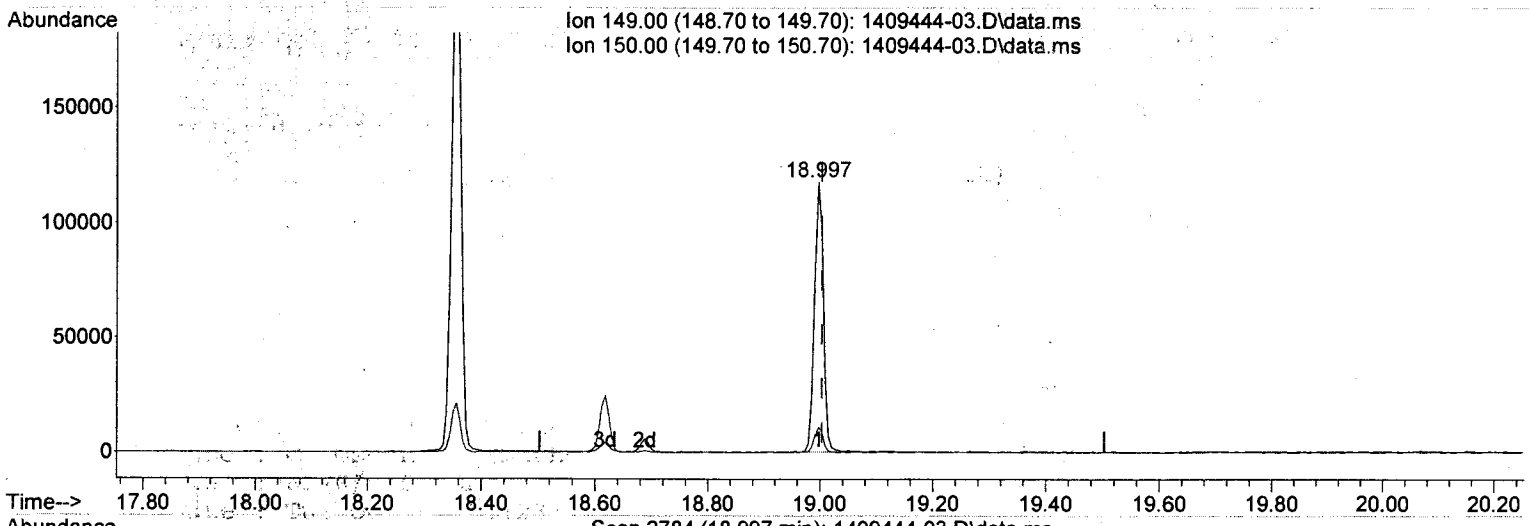
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/8/14
Reviewed By: ASC Date: 10/10/14

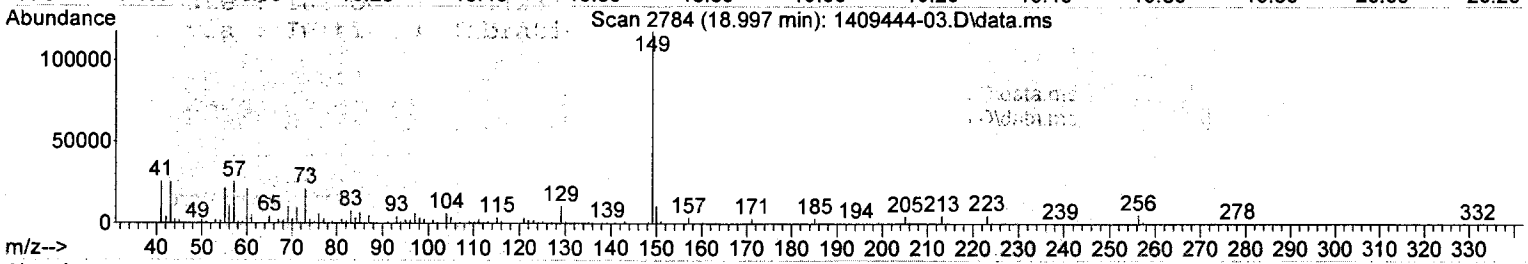
002340

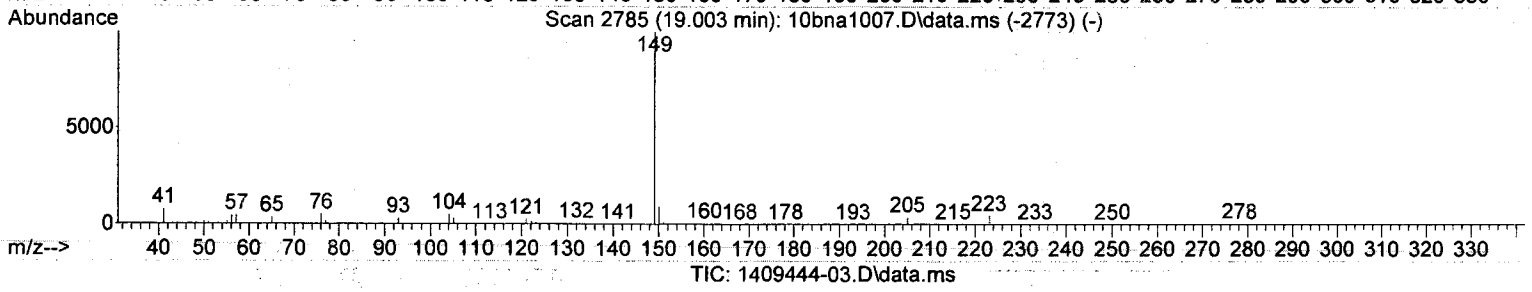
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-03.D
Acq On : 7 Oct 2014 12:17
Operator : JLB
Sample : 1409444-03 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 07 14:29:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-03.D\data.ms

(79) Di-n-butyl Phthalate

18.997min (-0.006) 0.44 ng/uL

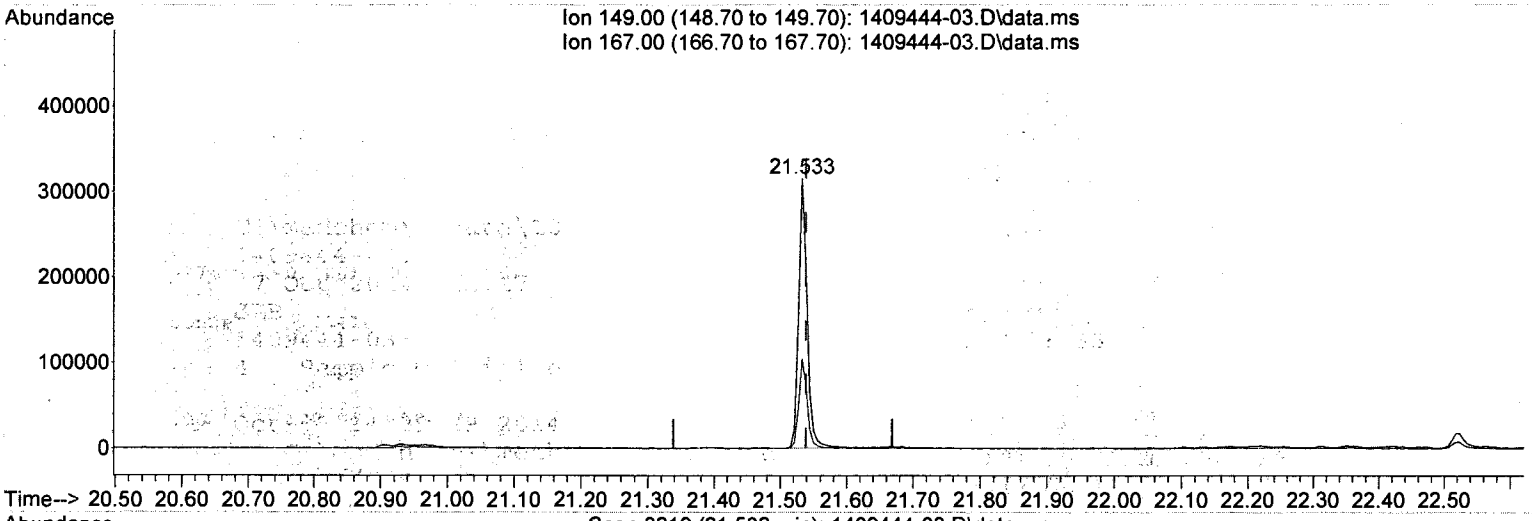
response 126416

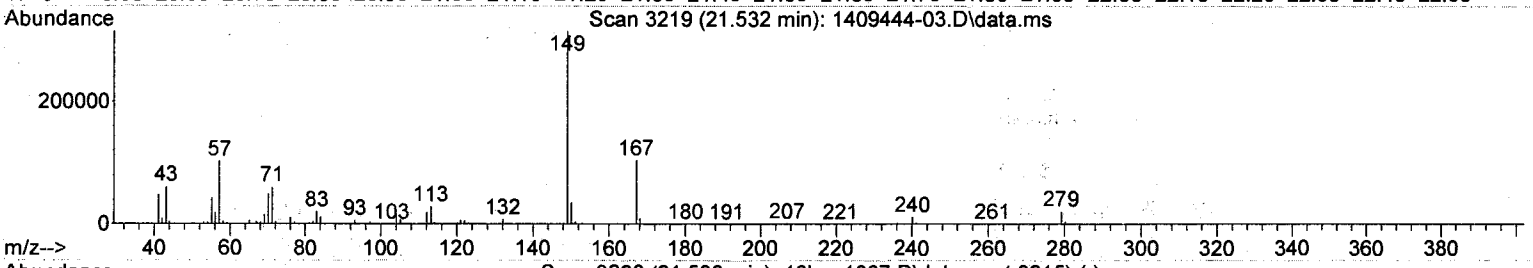
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.69
0.00	0.00	0.00
0.00	0.00	0.00

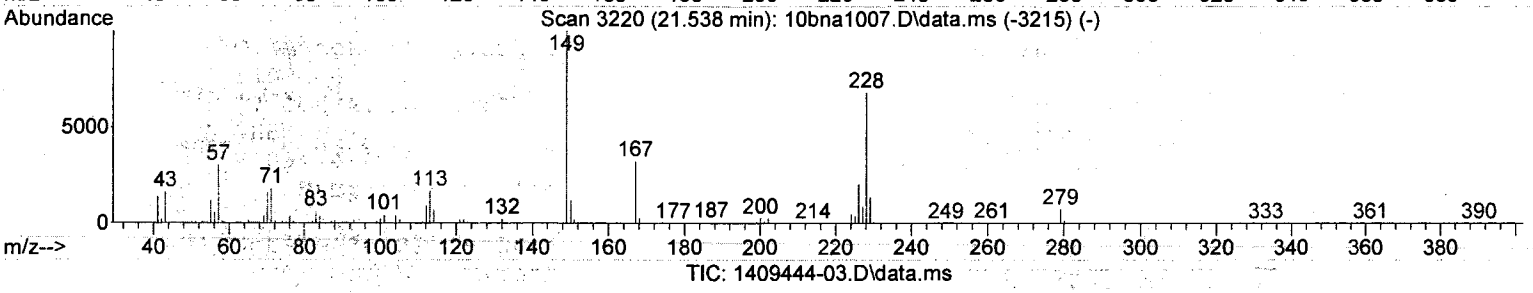
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-03.D
Acq On : 7 Oct 2014 12:17
Operator : JLB
Sample : 1409444-03 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 07 14:29:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-03.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.532min (-0.006) 1.86 ng/uL

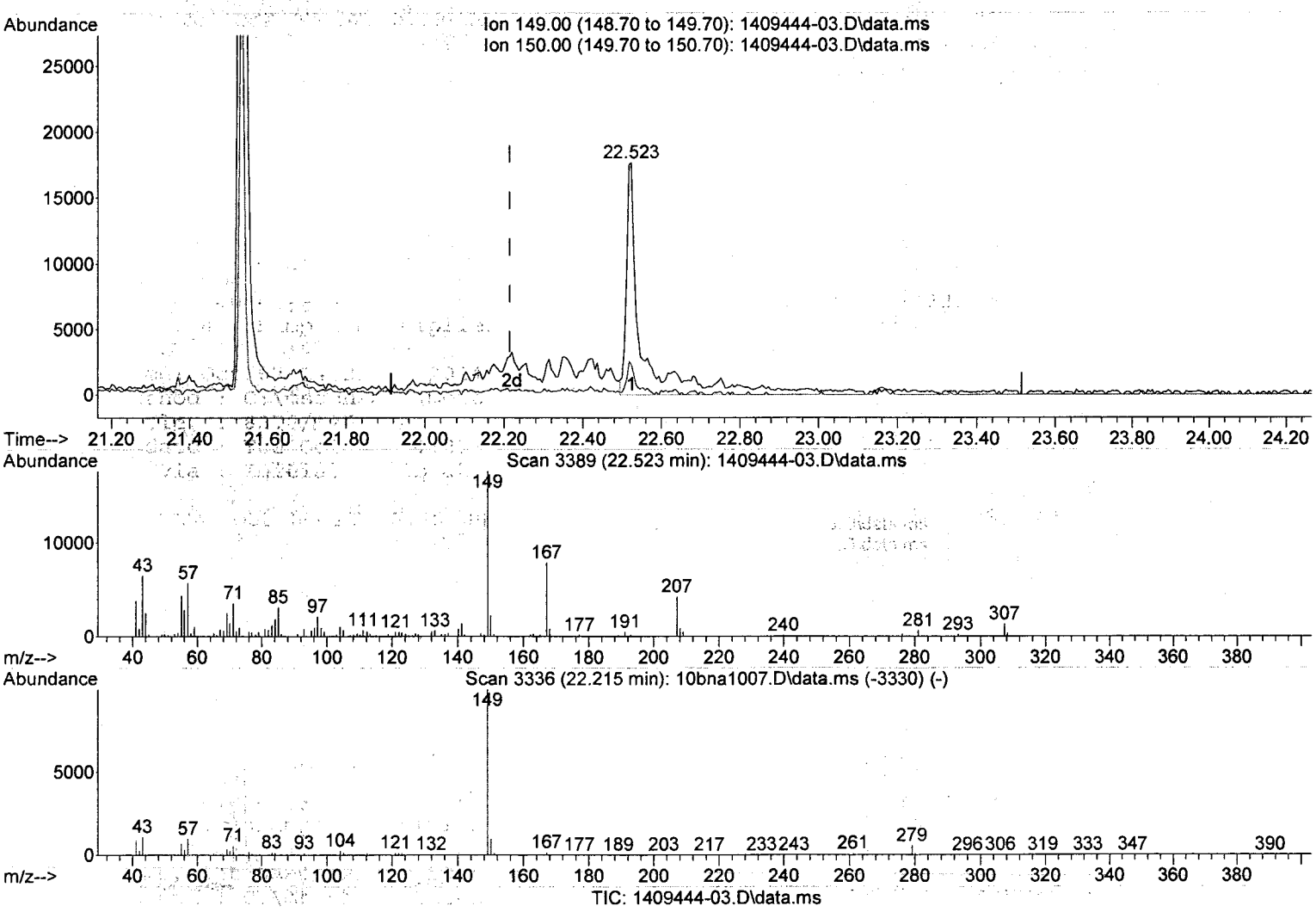
response 282846

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	32.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-03.D
Acq On : 7 Oct 2014 12:17
Operator : JLB
Sample : 1409444-03 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 07 14:29:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.523min (+ 0.309) 0.52 ng/uL

response 50604

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	8.25
0.00	0.00	0.00
0.00	0.00	0.00

RT

002343

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB23-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-04 File ID: 1409444-04.D

Sampled: 09/24/14 13:05 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 17:38

Solids: 97.55 Preparation: 3550C Sonication Extract Initial/Final: 30.4 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	84	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB23-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-04 File ID: 1409444-04.D

Sampled: 09/24/14 13:05 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 17:38

Solids: 97.55 Preparation: 3550C Sonication Extract Initial/Final: 30.4 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	52	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	674	486	72	33 - 113	
Phenol-d6	674	366	54	30 - 115	
Nitrobenzene-d5	337	255	76	33 - 131	
2-Fluorobiphenyl	337	278	83	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB23-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-04 File ID: 1409444-04.D

Sampled: 09/24/14 13:05 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 17:38

Solids: 97.55 Preparation: 3550C Sonication Extract Initial/Final: 30.4 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	674	530	79	12 - 124	
o-Terphenyl	337	306	91	20 - 155	

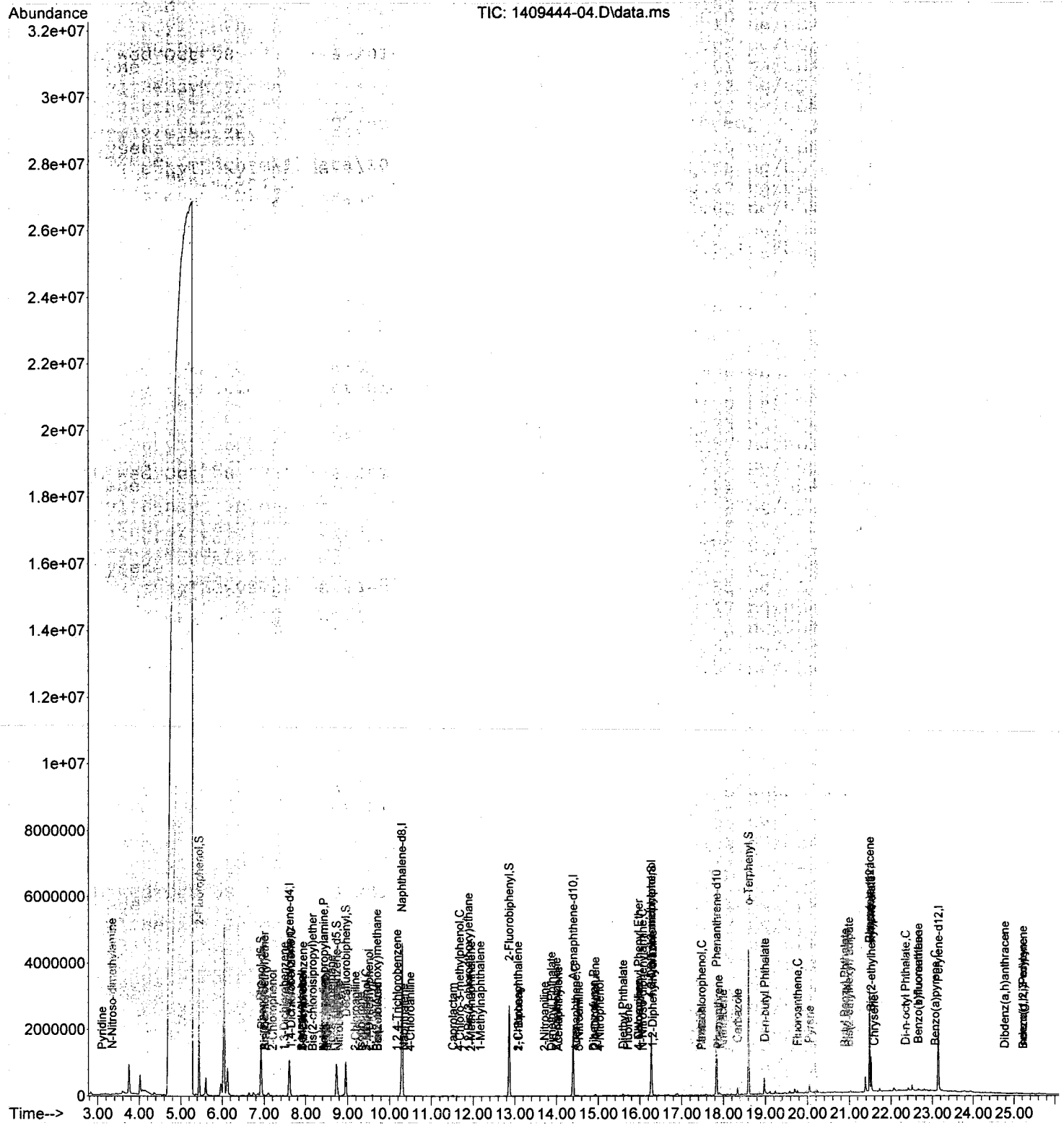
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	408275	7.602	403279	7.614	
Naphthalene-d8	1497537	10.295	1529030	10.359	
Acenaphthene-d10	916756	14.398	866604	14.474	
Phenanthrene-d10	1544805	17.837	1400442	17.901	
Chrysene-d12	1373450	21.486	1153654	21.538	
Perylene-d12	1156418	23.147	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-04.D
Acq On : 7 Oct 2014 17:38
Operator : JLB
Sample : 1409444-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 08:11:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



002347

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-04.D
Acq On : 7 Oct 2014 17:38
Operator : JLB
Sample : 1409444-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 08:11:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.602	152	408275	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.295	136	1497537	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	916756	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.837	188	1544805	5.00	ng/uL	0.00
81) Chrysene-d12	21.486	240	1373450	5.00	ng/uL	# 0.00
89) Perylene-d12	23.147	264	1156418	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.445	112	1345058m	14.42	ng/uL	0.31
6) Phenol-d6	6.920	99	1308969	10.84	ng/uL	0.06
21) Nitrobenzene-d5	8.733	82	724151	7.56	ng/uL	0.00
23) Decafluorobiphenyl	8.954	334	546591	8.14	ng/uL	0.00
47) 2-Fluorobiphenyl	12.865	172	1562702	8.25	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.275	330	368682	15.73	ng/uL	-0.02
78) o-Terphenyl	18.601	230	1201887	9.07	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.341	74	837	0.01	ng/uL	96
3) Pyridine	3.102	79	1804	0.02	ng/uL#	45
5) Aniline	7.007	93	577	0.23	ng/uL#	1
7) Phenol	6.943	94	2093	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.007	93	577	0.00	ng/uL#	71
9) 2-Chlorophenol	7.194	128	164	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.474	146	2375	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.637	146	1166	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.934	146	2556	0.02	ng/uL#	43
13) Bis(2-chloroisipropyl)...	8.162	45	734	0.00	ng/uL#	51
14) Benzyl Alcohol	7.899	108	225	0.00	ng/uL#	1
15) 2-Methylphenol	7.917	108	226	0.00	ng/uL#	63
16) Acetophenone	8.430	105	969	0.01	ng/uL#	33
17) Hexachloroethane	8.605	119	71	0.00	ng/uL#	3
18) 4-Methylphenol	8.476	108	187	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.430	70	349	0.00	ng/uL#	1
22) Nitrobenzene	8.791	77	302	0.00	ng/uL#	30
24) Isophorone	9.310	82	1038	0.01	ng/uL#	69
25) 2-Chloroaniline	9.182	127	119	0.00	ng/uL#	1
26) 2-Nitrophenol	9.444	139	60	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.508	107	75	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.700	93	221	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.712	105	3746m	2.50	ng/uL	
31) 1,2,4-Trichlorobenzene	10.178	180	941	0.01	ng/uL	87
32) Naphthalene	10.341	128	2161	0.01	ng/uL#	74
33) 4-Chloroaniline	10.493	127	375	0.01	ng/uL#	42
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.513	55	11710	0.27	ng/uL#	27
37) 1,2-Bis(2-chloroethoxy...	11.886	63	131	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.676	107	375	0.00	ng/uL#	21
39) 2-Methylnaphthalene	11.950	142	504	0.00	ng/uL#	90
40) 1-Methylnaphthalene	12.172	142	223	0.00	ng/uL#	60
41) 1,3-Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-04.D
Acq On : 7 Oct 2014 17:38
Operator : JLB
Sample : 1409444-04 Inst : 339
ALS Vial : 6 , Sample Multiplier: 1

Quant Time: Oct 08 08:11:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.075	162	495	0.00	ng/uL#	78
49) 1,1'-Biphenyl	13.087	154	724	0.00	ng/uL#	63
50) 2-Nitroaniline	13.710	138	138	0.00	ng/uL#	37
51) Acenaphthylene	14.037	152	264	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	13.996	165	858	0.02	ng/uL#	31
53) Dimethyl Phthalate	13.879	163	5393	0.03	ng/uL#	69
54) 3-Nitroaniline	14.532	138	119	0.00	ng/uL#	1
55) Acenaphthene	14.456	153	222	0.00	ng/uL#	29
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.888	168	84	0.00	ng/uL#	1
58) 4-Nitrophenol	15.028	65	156	0.00	ng/uL	94
59) 2,4-Dinitrotoluene	14.929	165	109	0.00	ng/uL#	21
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.710	166	347	0.00	ng/uL#	1
63) Diethyl Phthalate	15.593	149	13000m	0.07	ng/uL	
64) 4-Chlorophenyl Phenyl ...	15.966	204	748	0.01	ng/uL#	29
65) 4-Nitroaniline	15.966	138	183	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.269	198	919	~~1.01~~	ng/uL#	1
68) N-Nitroso-diphenylamine	16.065	169	107	0.00	ng/uL#	5
69) 1,2-Diphenylhydrazine	16.304	182	184	0.00	ng/uL	86
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.458	200	57	0.00	ng/uL#	25
74) Pentachlorophenol	17.476	266	1279	0.04	ng/uL#	7
75) Phenanthrene	17.878	178	3002	0.01	ng/uL#	71
76) Anthracene	17.983	178	514	0.00	ng/uL#	1
77) Carbazole	18.338	167	4824	0.02	ng/uL#	66
79) Di-n-butyl Phthalate	18.985	149	50853	0.17	ng/uL#	93
80) Fluoranthene	19.766	202	2877	0.01	ng/uL#	74
82) Pyrene	20.052	202	3710	0.01	ng/uL#	1
83) Butyl Benzyl Phthalate	20.891	149	2930	0.02	ng/uL	99
84) Bis(2-ethylhexyl) adipate	20.990	129	2570	0.09	ng/uL#	100
85) Benzo(a)anthracene	21.486	228	7203	0.03	ng/uL#	1
86) Chrysene	21.585	228	699	0.00	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.521	149	254598	1.55	ng/uL	90
88) Di-n-octyl Phthalate	22.348	149	39602	~~0.17~~	ng/uL#	80
90) Benzo(b)fluoroanthene	22.657	252	3219	0.02	ng/uL#	31
91) Benzo(k)fluoranthene	22.657	252	3104	0.01	ng/uL#	1
92) Benzo(a)pyrene	23.071	252	1420	0.01	ng/uL#	84
93) Indeno(1,2,3-cd)pyrene	25.222	276	2607	0.02	ng/uL#	77
94) Dibdenz(a,h)anthracene	24.773	278	1472	0.01	ng/uL#	89
95) Benzo(g,h,i)Perylene	25.222	276	2607	0.02	ng/uL#	73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

002349

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-04.D
Acq On : 7 Oct 2014 17:38
Operator : JLB
Sample : 1409444-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 07:55:44 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

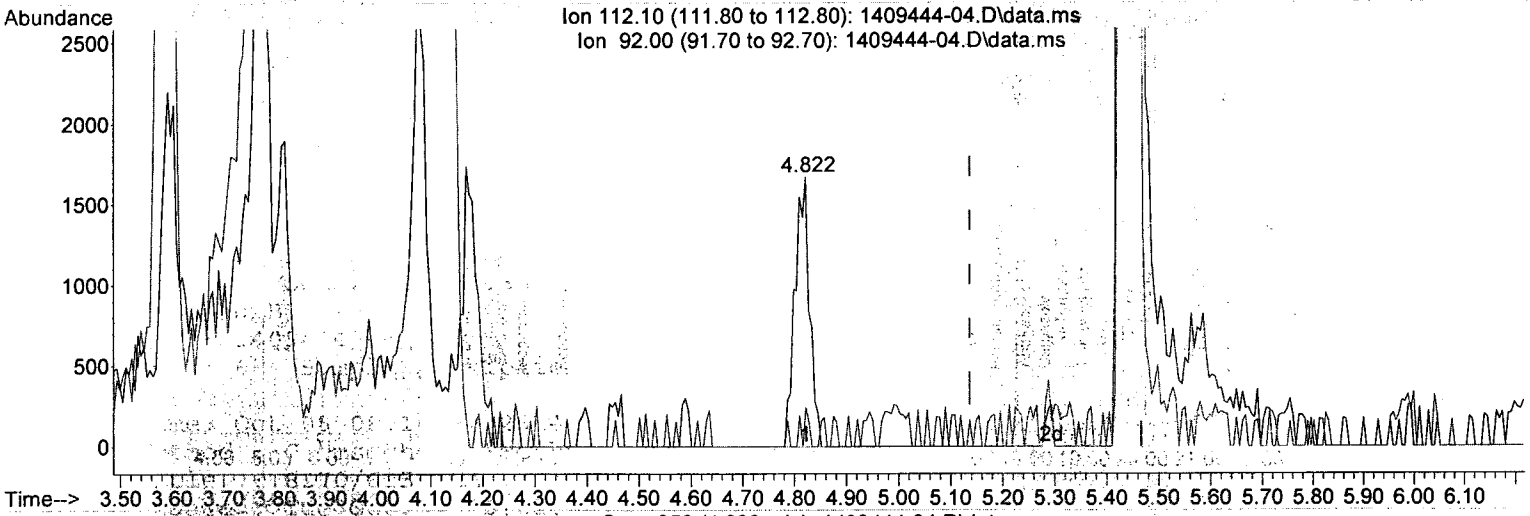
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.602	152	401999	5.00	ng/uL	#	0.05
8) Naphthalene-d8	10.295	136	1497537	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.398	164	913405	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.837	188	1545883	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	1351911	5.00	ng/uL	#	0.00
22) Perylene-d12	23.147	264	1160809	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.341	74	837	0.01	ng/uL		96
3) Pyridine	3.557	79	582	0.01	ng/uL		99
4) Aniline	7.007	93	577	0.00	ng/uL	#	1
5) Benzaldehyde	6.716	105	895	0.01	ng/uL	#	20
6) Acetophenone	8.430	105	969	0.01	ng/uL	#	33
7) N-Nitroso-di-n-propyla...	8.430	70	349	0.00	ng/uL	#	1
9) 4-Chloroaniline	10.889	127	264	0.01	ng/uL		87
10) Caprolactam	11.268	55	1980	0.14	ng/uL	#	36
12) 1,1'-Biphenyl	13.087	154	724	0.00	ng/uL	#	63
13) 2-Nitroaniline	13.710	138	138	0.01	ng/uL	#	37
14) 3-Nitroaniline	14.532	138	119	Below Cal		#	1
15) 4-Nitroaniline	15.908	138	73	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.065	169	107	0.00	ng/uL	#	5
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.023	184	777	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.509	252	593	0.01	ng/uL		97

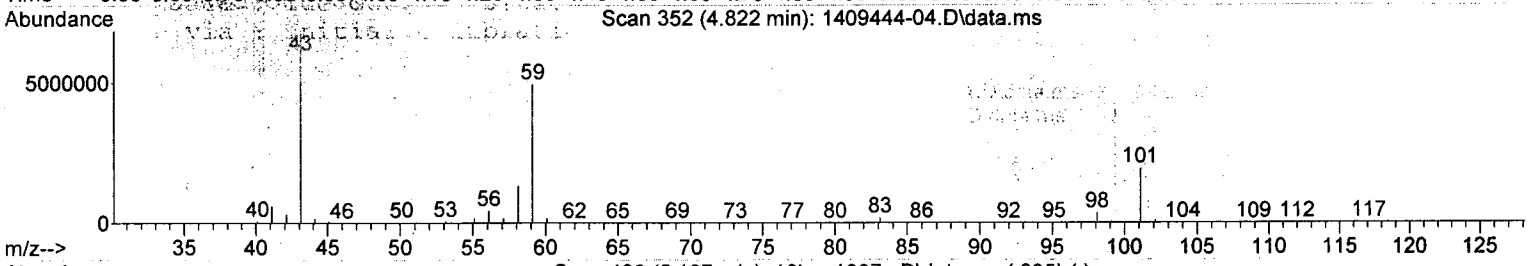
(#) = qualifier out of range (m) = manual integration (+) = signals summed

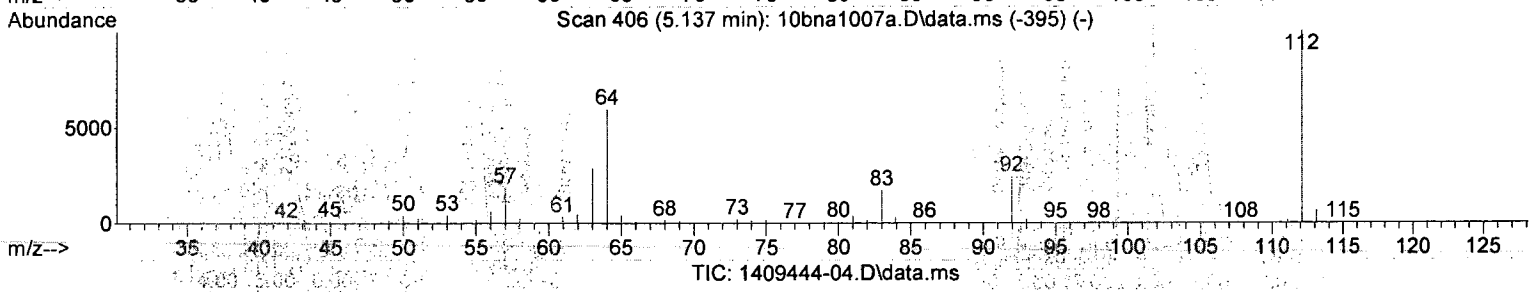
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-04.D
Acq On : 7 Oct 2014 17:38
Operator : JLB
Sample : 1409444-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-04.D\data.ms

(4) 2-Fluorophenol (S)

4.822min (-0.315) 0.03 ng/uL

response 3228

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	6.32#
0.00	0.00	0.00
0.00	0.00	0.00

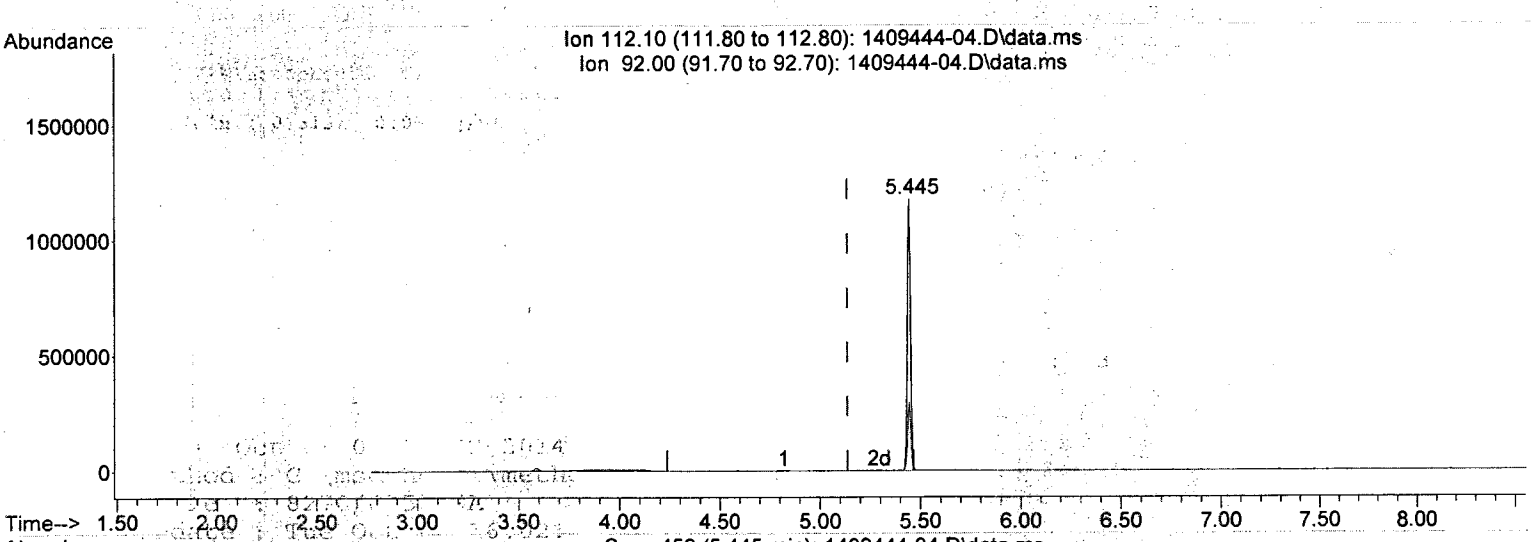
JLB 10/9/14

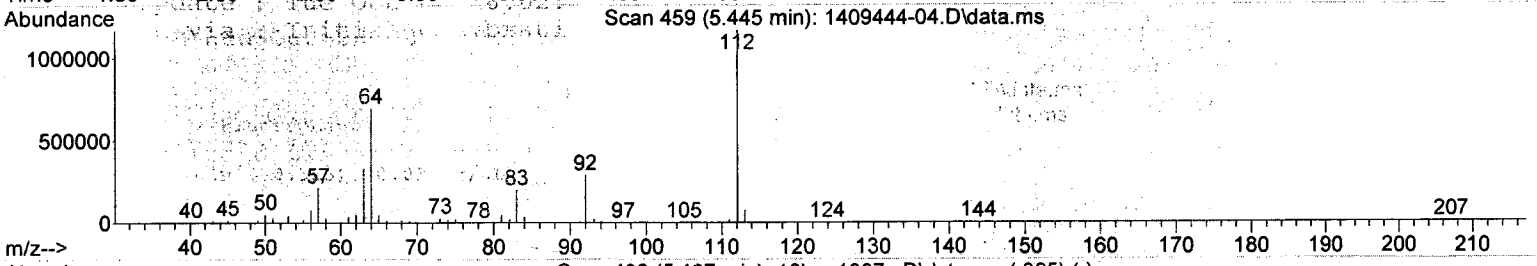
002351

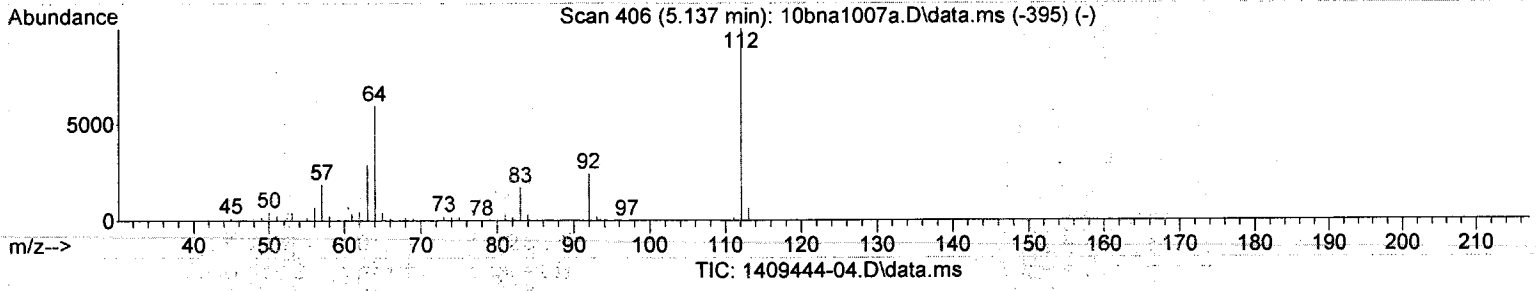
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-04.D
Acq On : 7 Oct 2014 17:38
Operator : JLB
Sample : 1409444-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-04.D\data.ms

(4) 2-Fluorophenol (S)

5.445min (+ 0.309) 14.42 ng/uL m

response 1345058

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.02#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

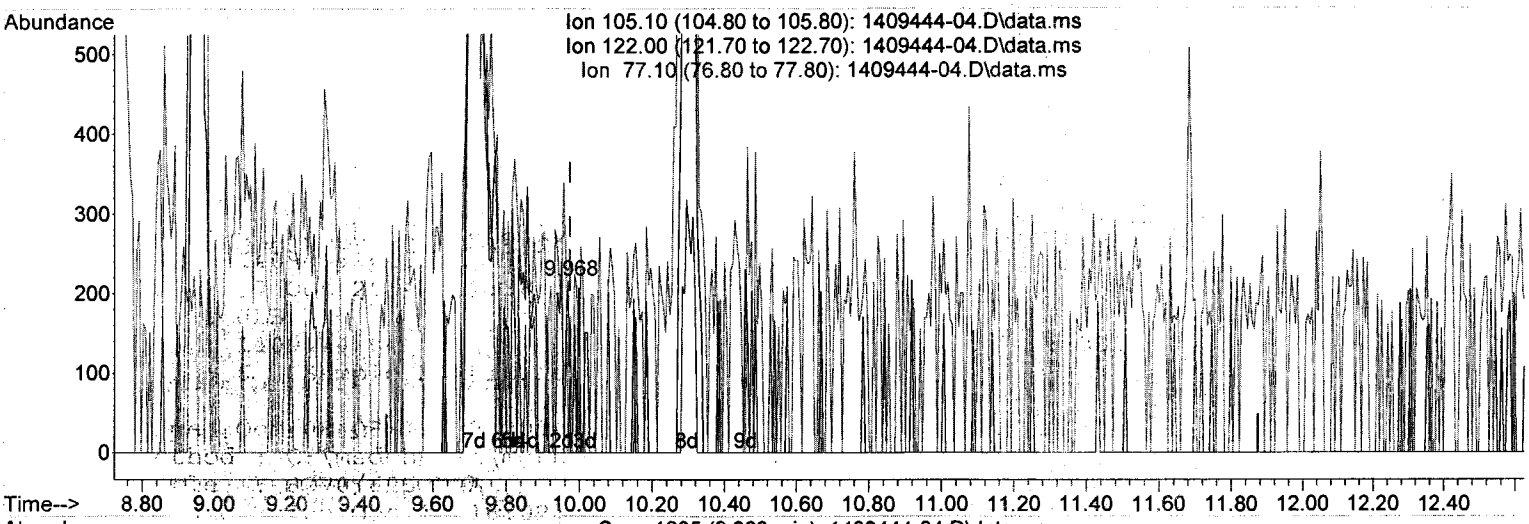
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/9/14
Reviewed By: ASC Date: 10/10/14

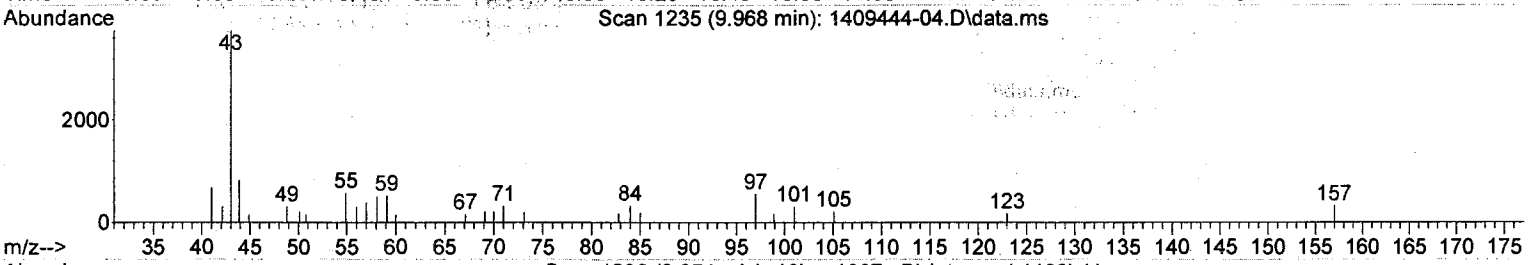
002352

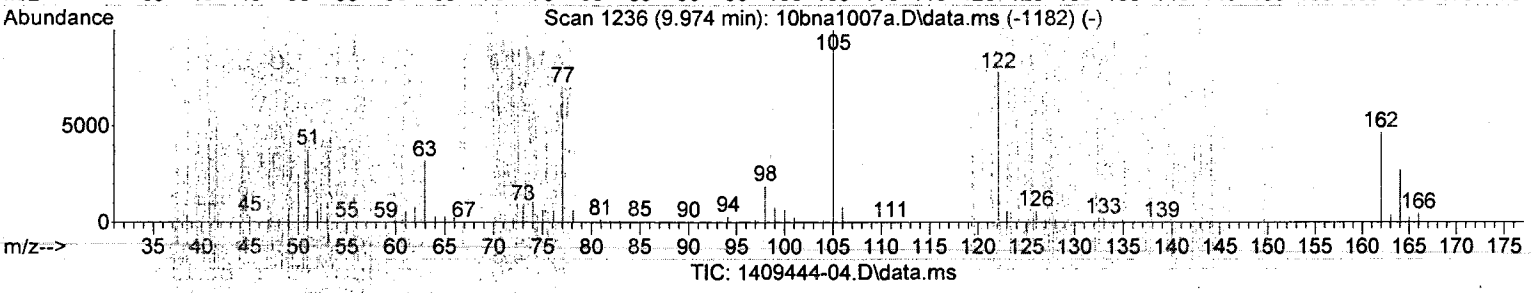
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-04.D
Acq On : 7 Oct 2014 17:38
Operator : JLB
Sample : 1409444-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-04.D\data.ms

(30) Benzoic Acid

9.968min (-0.006) 2.46 ng/uL

response 133

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	114.29#
0.00	0.00	0.00

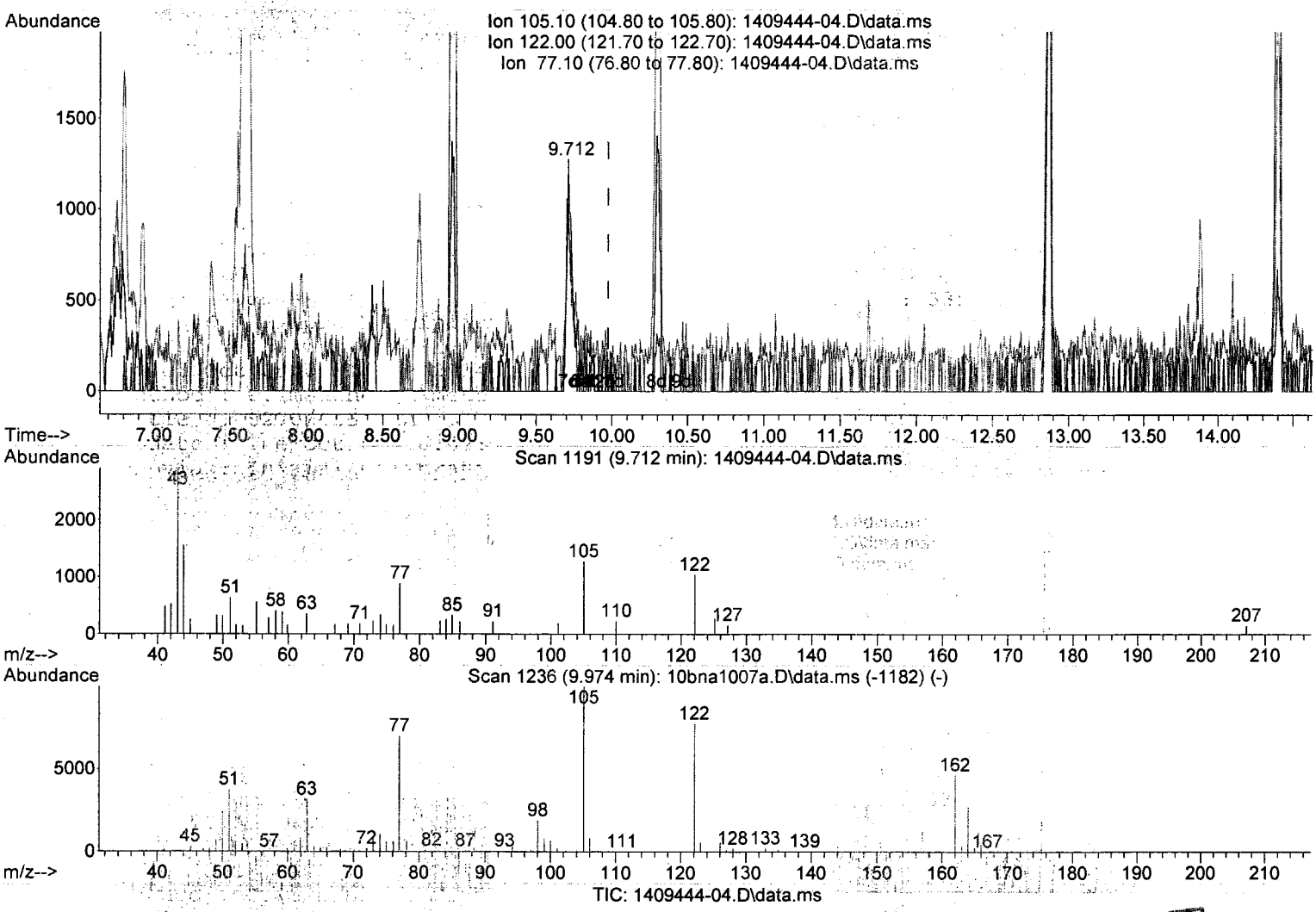
JLB 10/9/14

002353

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-04.D
Acq On : 7 Oct 2014 17:38
Operator : JLB
Sample : 1409444-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409444-04.D\data.ms

(30) Benzoic Acid

9.712min (-0.262) 2.50 ng/uL m

response 3746

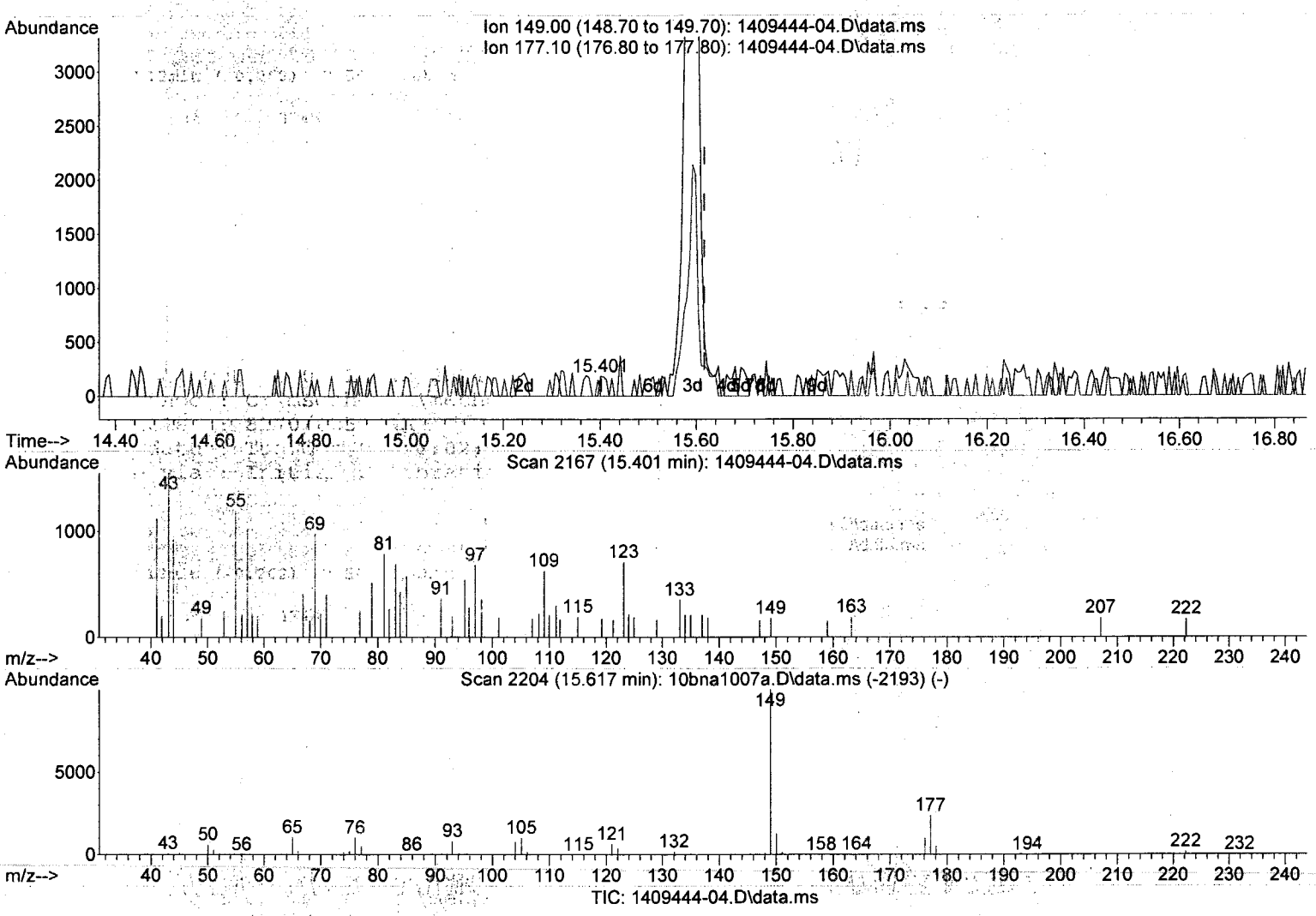
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	4.06#
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/9/14
Reviewed By: ASC Date: 10/10/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-04.D
Acq On : 7 Oct 2014 17:38
Operator : JLB
Sample : 1409444-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

15.401min (-0.216) 0.00 ng/uL

response 238

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	22.27
0.00	0.00	0.00
0.00	0.00	0.00

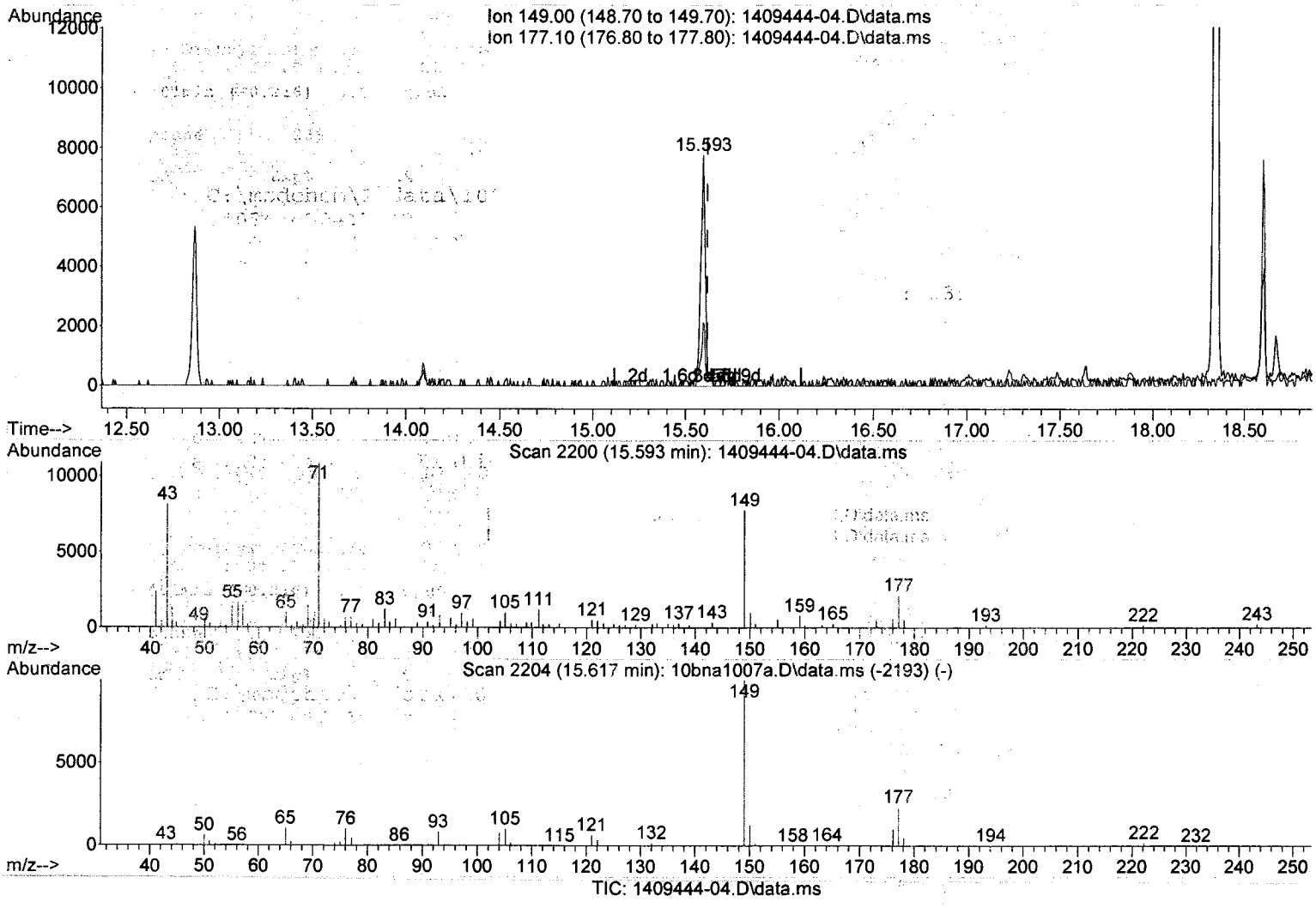
JMS 10/9/14

002355

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-04.D
Acq On : 7 Oct 2014 17:38
Operator : JLB
Sample : 1409444-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409444-04.D\data.ms

(63) Diethyl Phthalate

15.593min (-0.024) 0.07 ng/uL m

response 13000

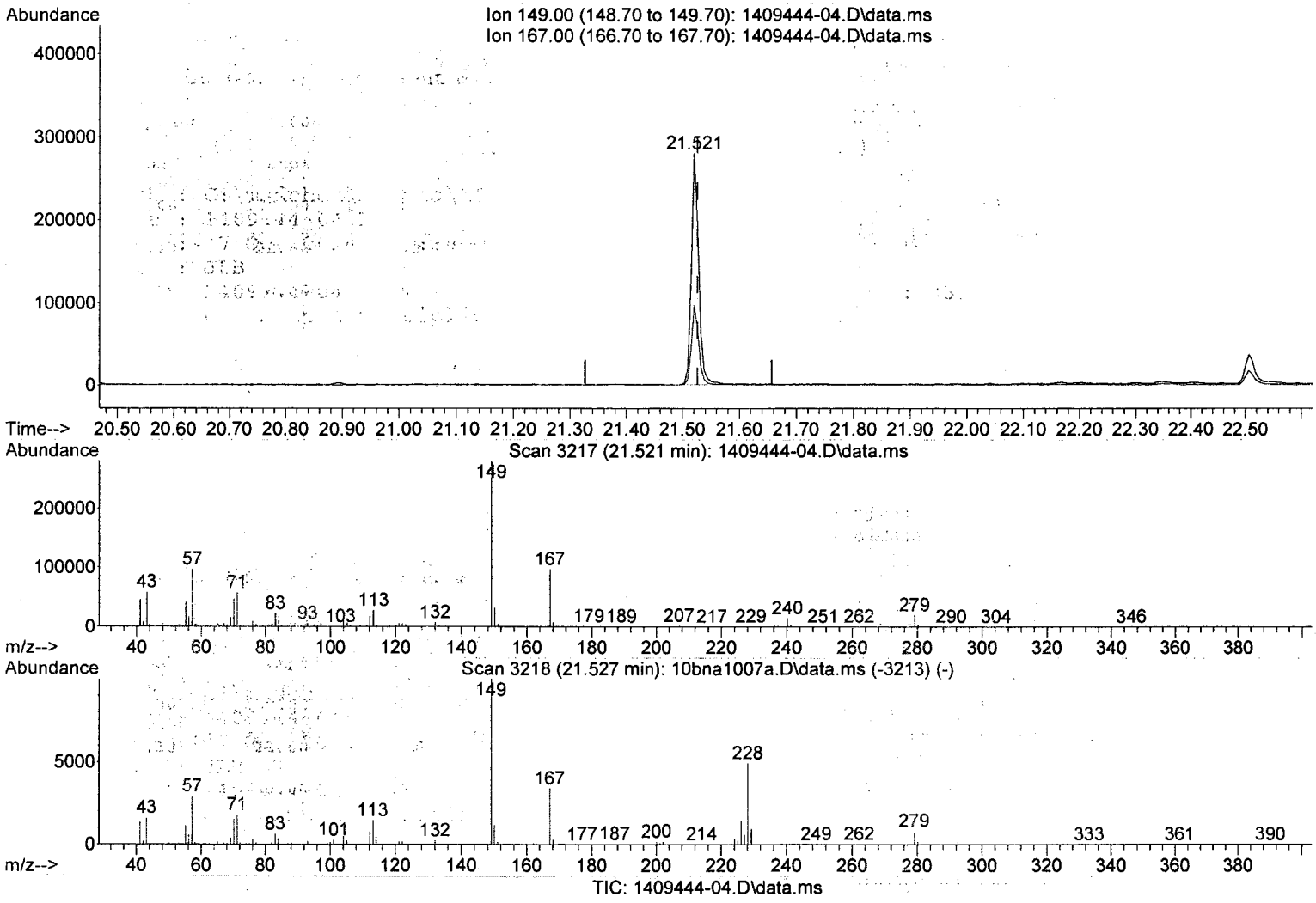
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	0.41#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 10/9/14
Reviewed By: ASC Date: 10/10/14
CMDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-04.D
Acq On : 7 Oct 2014 17:38
Operator : JLB
Sample : 1409444-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409444-04.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.521min (-0.006) 1.55 ng/uL

response 254598

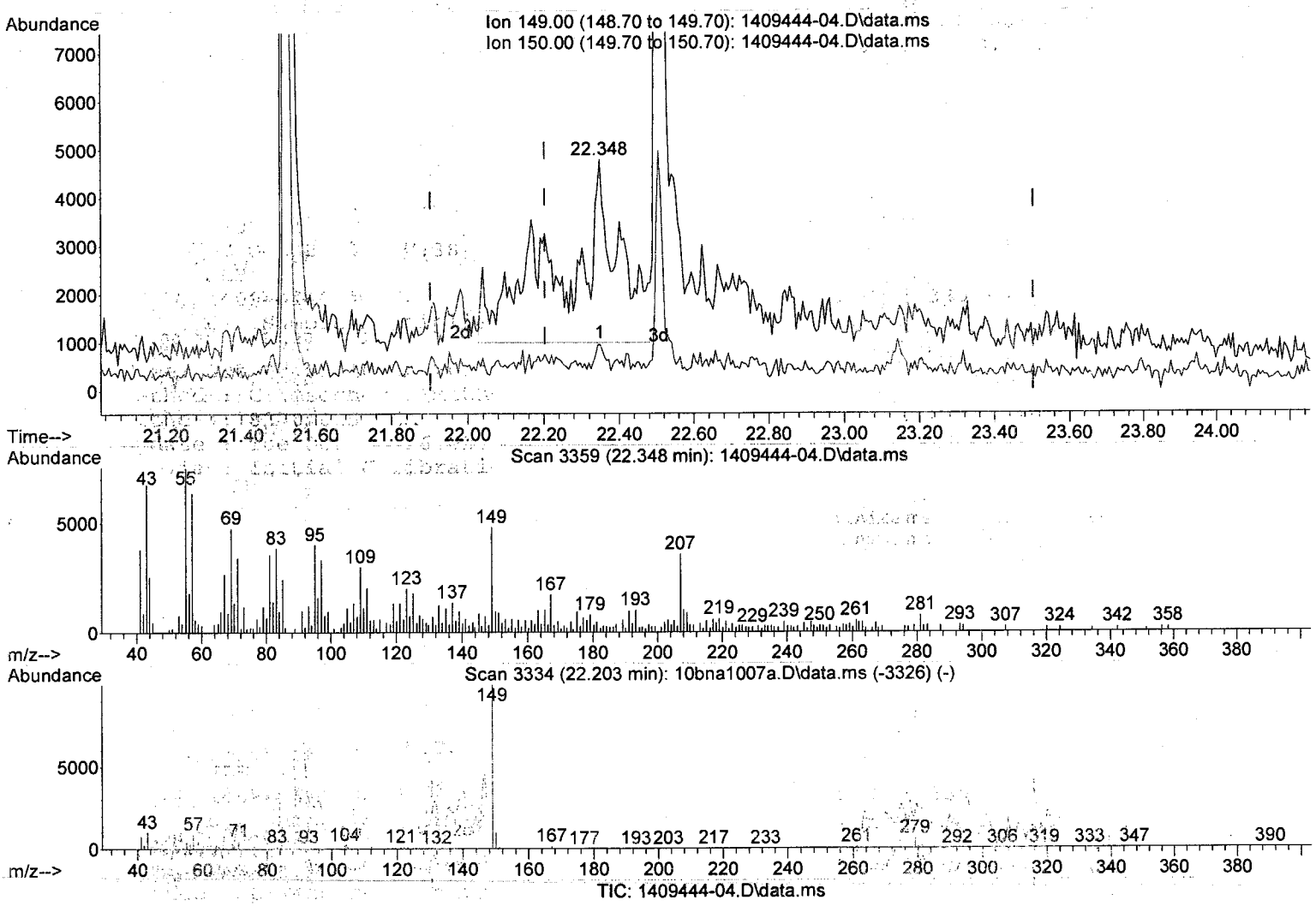
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.66
0.00	0.00	0.00
0.00	0.00	0.00

002357

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-04.D
Acq On : 7 Oct 2014 17:38
Operator : JLB
Sample : 1409444-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409444-04.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.348min (+ 0.146) 0.47 ng/uL

response 39602

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	2.42#
0.00	0.00	0.00
0.00	0.00	0.00

PP

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB24-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-05 File ID: 1409444-05 10x.D

Sampled: 09/24/14 13:15 Prepared: 09/30/14 07:32 Analyzed: 10/08/14 00:05

Solids: 94.75 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	180	49	180	180	U
208-96-8	Acenaphthylene	10	180	44	180	180	U
120-12-7	Anthracene	10	180	42	180	180	U
56-55-3	Benzo(a)anthracene	10	29	29	88	180	J
50-32-8	Benzo(a)pyrene	10	33	24	88	180	J
205-99-2	Benzo(b)fluoranthene	10	62	20	88	180	J
207-08-9	Benzo(k)fluoranthene	10	26	21	88	180	J
191-24-2	Benzo(g,h,i)perylene	10	22	20	88	350	J
65-85-0	Benzoic Acid	10	1800	730	1800	3500	U
100-51-6	Benzyl Alcohol	10	180	49	180	180	U
101-55-3	4-Bromophenyl Phenyl Ether	10	180	43	180	180	U
85-68-7	Butyl Benzyl Phthalate	10	180	42	180	350	U
86-74-8	Carbazole	10	180	43	180	1800	U
59-50-7	4-Chloro-3-methylphenol	10	180	53	180	180	U
106-47-8	4-Chloroaniline	10	180	93	180	700	U
111-91-1	Bis(2-chloroethoxy)methane	10	180	43	180	180	U
111-44-4	Bis(2-chloroethyl) Ether	10	180	42	180	180	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	88	39	88	180	U
91-58-7	2-Chloronaphthalene	10	180	52	180	180	U
95-57-8	2-Chlorophenol	10	180	42	180	180	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	180	40	180	180	U
218-01-9	Chrysene	10	180	41	180	180	U
53-70-3	Dibenz(a,h)anthracene	10	88	20	88	350	U
132-64-9	Dibenzofuran	10	180	52	180	180	U
84-74-2	Di-n-butyl Phthalate	10	350	140	350	700	U
106-46-7	1,4-Dichlorobenzene	10	180	51	180	180	U
95-50-1	1,2-Dichlorobenzene	10	180	58	180	180	U
541-73-1	1,3-Dichlorobenzene	10	180	60	180	180	U
91-94-1	3,3´-Dichlorobenzidine	10	7000	2900	7000	8800	U
120-83-2	2,4-Dichlorophenol	10	180	43	180	350	U
84-66-2	Diethyl Phthalate	10	180	51	180	180	U
105-67-9	2,4-Dimethylphenol	10	1400	380	1400	1800	U
131-11-3	Dimethyl Phthalate	10	180	50	180	180	U
534-52-1	4,6-Dinitro-2-methylphenol	10	700	230	700	1800	U
51-28-5	2,4-Dinitrophenol	10	1800	590	1800	1800	U
606-20-2	2,6-Dinitrotoluene	10	88	42	88	180	U
121-14-2	2,4-Dinitrotoluene	10	88	35	88	350	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB24-07

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-05
File ID: 1409444-05 10x.D
Sampled: 09/24/14 13:15
Prepared: 09/30/14 07:32
Analyzed: 10/08/14 00:05
Solids: 94.75
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	180	41	180	180	U
122-66-7	1,2-Diphenylhydrazine	10	88	35	88	180	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	380	120	180	350	B
206-44-0	Fluoranthene	10	55	47	180	180	J
86-73-7	Fluorene	10	180	43	180	350	U
118-74-1	Hexachlorobenzene	10	180	50	180	180	U
87-68-3	Hexachlorobutadiene	10	180	48	180	180	U
67-72-1	Hexachloroethane	10	180	53	180	180	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	88	28	88	350	U
78-59-1	Isophorone	10	180	41	180	180	U
91-57-6	2-Methylnaphthalene	10	180	48	180	180	U
108-39-4	3+4-Methylphenol	10	88	39	88	180	U
95-48-7	2-Methylphenol	10	88	37	88	180	U
91-20-3	Naphthalene	10	180	59	180	180	U
100-01-6	4-Nitroaniline	10	710	260	710	3500	U
88-74-4	2-Nitroaniline	10	88	38	88	180	U
99-09-2	3-Nitroaniline	10	350	170	350	3500	U
98-95-3	Nitrobenzene	10	180	49	180	180	U
88-75-5	2-Nitrophenol	10	180	47	180	180	U
100-02-7	4-Nitrophenol	10	3500	1100	3500	7000	U
62-75-9	N-Nitroso-dimethylamine	10	70	35	70	350	U
86-30-6	N-Nitroso-diphenylamine	10	88	36	88	180	U
621-64-7	N-Nitroso-di-n-propylamine	10	180	43	180	180	U
87-86-5	Pentachlorophenol	10	180	140	180	1800	U
85-01-8	Phenanthrene	10	180	43	180	180	U
108-95-2	Phenol	10	180	41	180	1800	U
129-00-0	Pyrene	10	58	45	180	180	J
120-82-1	1,2,4-Trichlorobenzene	10	180	47	180	180	U
95-95-4	2,4,5-Trichlorophenol	10	180	47	180	180	U
88-06-2	2,4,6-Trichlorophenol	10	88	27	88	180	U

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	451623	7.561	403279	7.614	
Naphthalene-d8	1772921	10.295	1529030	10.359	
Acenaphthene-d10	1045318	14.398	866604	14.474	
Phenanthrene-d10	1709908	17.837	1400442	17.901	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB24-07

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-05
File ID: 1409444-05 10x.D
Sampled: 09/24/14 13:15
Prepared: 09/30/14 07:32
Analyzed: 10/08/14 00:05
Solids: 94.75
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

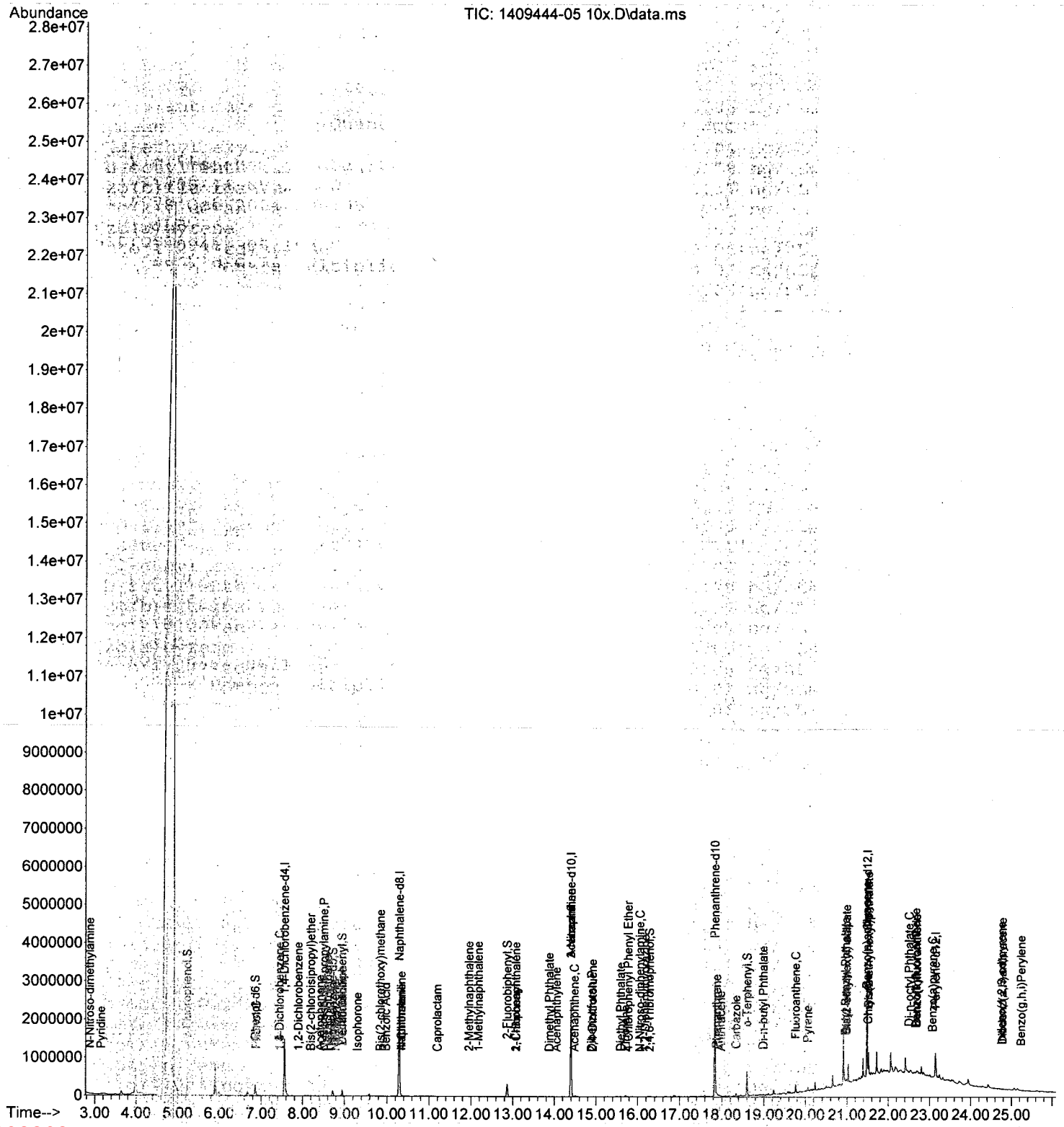
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chrysene-d12	1176930	21.486	1153654	21.538	
Perylene-d12	376602	23.141	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 7 Oct 2014 00:05
Operator : JBP
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:13:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:13:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.561	152	451623	5.00	ng/uL	# 0.01
20) Naphthalene-d8	10.295	136	1772921	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	1045318	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.837	188	1709908	5.00	ng/uL	0.00
81) Chrysene-d12	21.486	240	1176930	5.00	ng/uL	# 0.00
89) Perylene-d12	23.141	264	376602	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.224	112	127430	1.23	ng/uL	0.09
6) Phenol-d6	6.862	99	216588	1.62	ng/uL	0.00
21) Nitrobenzene-d5	8.715	82	87347	0.77	ng/uL	-0.01
23) Decafluorobiphenyl	8.943	334	69832	0.88	ng/uL	0.00
47) 2-Fluorobiphenyl	12.865	172	195295	0.90	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	991	0.04	ng/uL	-0.01
78) o-Terphenyl	18.601	230	140426	0.96	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.875	74	136	0.00	ng/uL#	1
3) Pyridine	3.149	79	216	0.00	ng/uL#	14
5) Aniline	0.000		0	N.D.		
7) Phenol	6.885	94	681	0.00	ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.445	146	200	0.00	ng/uL	96
11) 1,4-Dichlorobenzene	7.445	146	200	0.00	ng/uL	94
12) 1,2-Dichlorobenzene	7.894	146	225	0.00	ng/uL#	76
13) Bis(2-chloroisipropyl)...	8.197	45	127	0.00	ng/uL#	51
14) Benzyl Alcohol	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
16) Acetophenone	8.412	105	697	0.00	ng/uL#	50
17) Hexachloroethane	8.599	119	65	0.00	ng/uL#	3
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.506	70	157	0.00	ng/uL#	1
22) Nitrobenzene	8.779	77	55	0.00	ng/uL#	30
24) Isophorone	9.304	82	521	0.00	ng/uL#	58
25) 2-Chloroaniline	8.948	127	889	0.01	ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	9.840	93	62	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.969	105	124	pp 2.46	ng/uL#	11
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.342	128	3732	0.01	ng/uL#	1
33) 4-Chloroaniline	10.342	127	285	0.00	ng/uL#	65
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.193	55	1450	0.03	ng/uL#	30
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 2-Methylnaphthalene	11.956	142	3463	0.02	ng/uL	91
40) 1-Methylnaphthalene	12.178	142	2541	0.01	ng/uL	93
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:13:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.081	162	59	0.00	ng/uL#	35
49) 1,1'-Biphenyl	13.075	154	918	0.00	ng/uL#	74
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.049	152	570	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.		
53) Dimethyl Phthalate	13.880	163	1368	0.01	ng/uL#	49
54) 3-Nitroaniline	14.398	138	112	0.00	ng/uL#	1
55) Acenaphthene	14.480	153	1034	0.00	ng/uL#	93
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.894	168	1216	0.00	ng/uL	96
58) 4-Nitrophenol	0.000		0	N.D.		
59) 2,4-Dinitrotoluene	14.917	165	64	0.00	ng/uL#	17
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.704	166	1420	0.01	ng/uL#	64
63) Diethyl Phthalate	15.593	149	4128	0.02	ng/uL	99
64) 4-Chlorophenyl Phenyl ...	15.780	204	59	0.00	ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.		
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
68) N-Nitrosodiphenylamine	16.059	169	1018	0.01	ng/uL#	26
69) 1,2-Diphenylhydrazine	16.182	182	183	0.00	ng/uL#	21
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	0.000		0	N.D.		
75) Phenanthrene	17.878	178	28157	0.09	ng/uL	96
76) Anthracene	17.977	178	6186	0.02	ng/uL#	73
77) Carbazole	18.338	167	3492	0.01	ng/uL#	75
79) Di-n-butyl Phthalate	18.985	149	15260	0.05	ng/uL#	90
80) Fluoroanthene	19.766	202	48838	0.15	ng/uL	98
82) Pyrene	20.058	202	45905	0.16	ng/uL#	88
83) Butyl Benzyl Phthalate	20.961	149	1845	0.02	ng/uL	93
84) Bis(2-ethylhexyl) adipate	20.990	129	15209	0.21	ng/uL#	100
85) Benzo(a)anthracene	21.474	228	18154	0.08	ng/uL#	56
86) Chrysene	21.509	228	22832	0.11	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.521	149	146121	1.04	ng/uL	92
88) Di-n-octyl Phthalate	22.506	149	113626	0.78	ng/uL#	77
90) Benzo(b)fluoranthene	22.663	252	11638m	0.17	ng/uL	
91) Benzo(k)fluoranthene	22.687	252	5240m	0.07	ng/uL	
92) Benzo(a)pyrene	23.071	252	5787	0.09	ng/uL#	60
93) Indeno(1,2,3-cd)pyrene	24.756	276	3287m	0.06	ng/uL	
94) Dibenz(a,h)anthracene	24.779	278	968	0.02	ng/uL#	1
95) Benzo(g,h,i)Perylene	25.240	276	3045m	0.06	ng/uL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 07:48:06 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

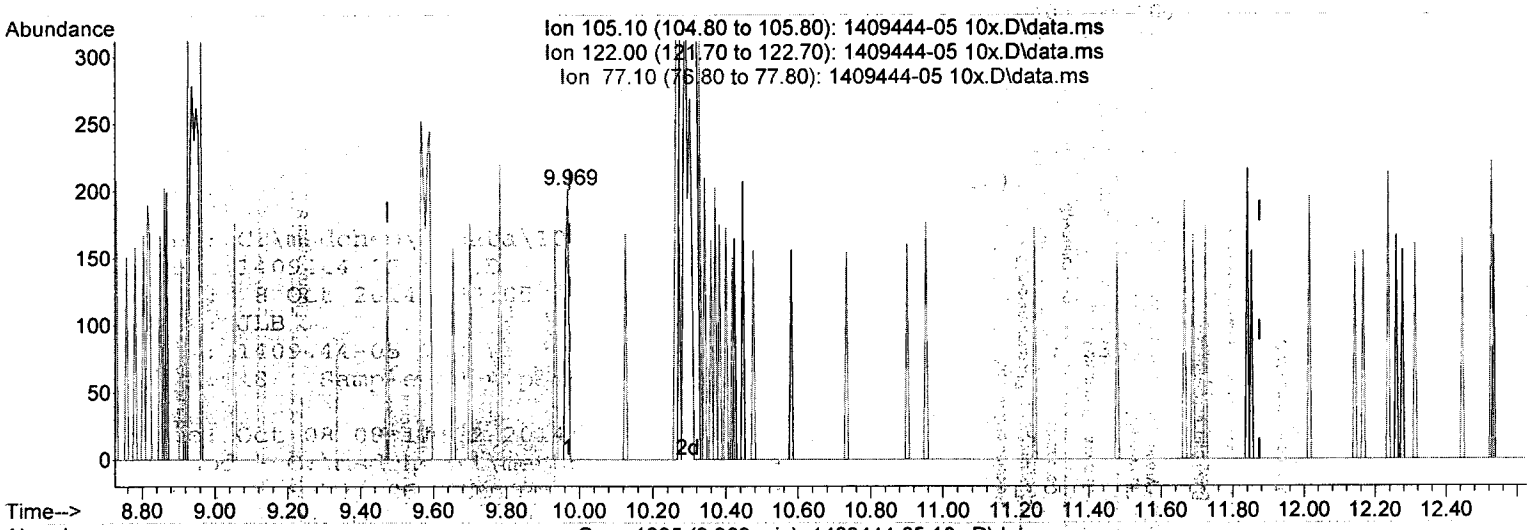
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.561	152	447200	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.295	136	1772921	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.398	164	1034300	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.837	188	1718913	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	1177678	5.00	ng/uL	#	0.00
22) Perylene-d12	23.141	264	387399	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.875	74	136	0.00	ng/uL	#	1
3) Pyridine	3.149	79	216	0.00	ng/uL	#	14
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.722	105	1207	0.01	ng/uL	#	1
6) Acetophenone	8.412	105	697	0.00	ng/uL	#	50
7) N-Nitroso-di-n-propyla...	8.506	70	157	0.00	ng/uL	#	1
9) 4-Chloroaniline	10.342	127	285	0.01	ng/uL	#	65
10) Caprolactam	11.193	55	1450	0.12	ng/uL	#	30
12) 1,1'-Biphenyl	13.075	154	918	0.00	ng/uL	#	74
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.398	138	112	Below Cal		#	1
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.059	169	1018	0.01	ng/uL	#	26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	0.000		0	N.D.			
21) 3,3'-Dichlorobenzidine	21.247	252	830	0.01	ng/uL		90

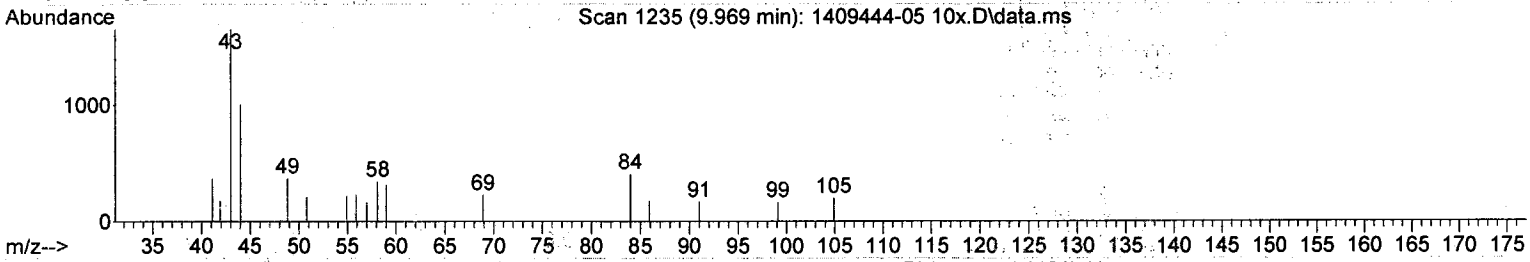
(#) = qualifier out of range (m) = manual integration (+) = signals summed

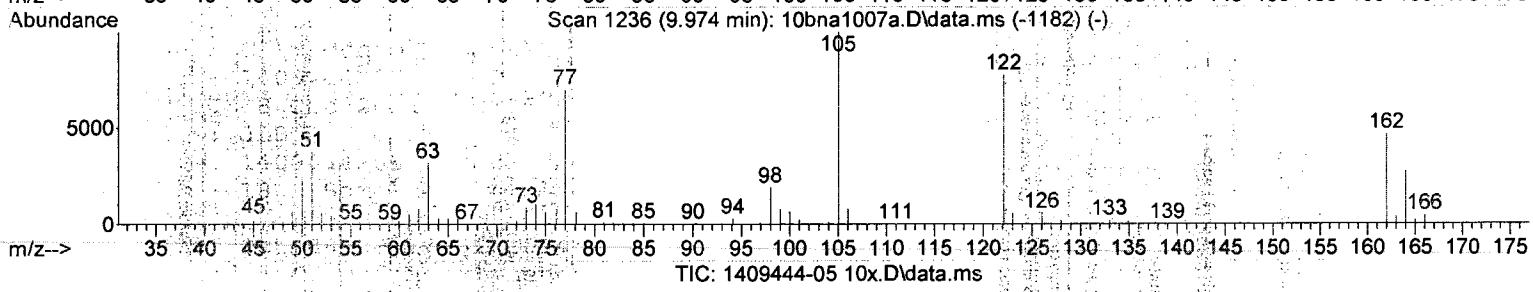
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-05 10x.D\data.ms

(30) Benzoic Acid

9.969min (-0.006) 2.46 ng/uL

response 124

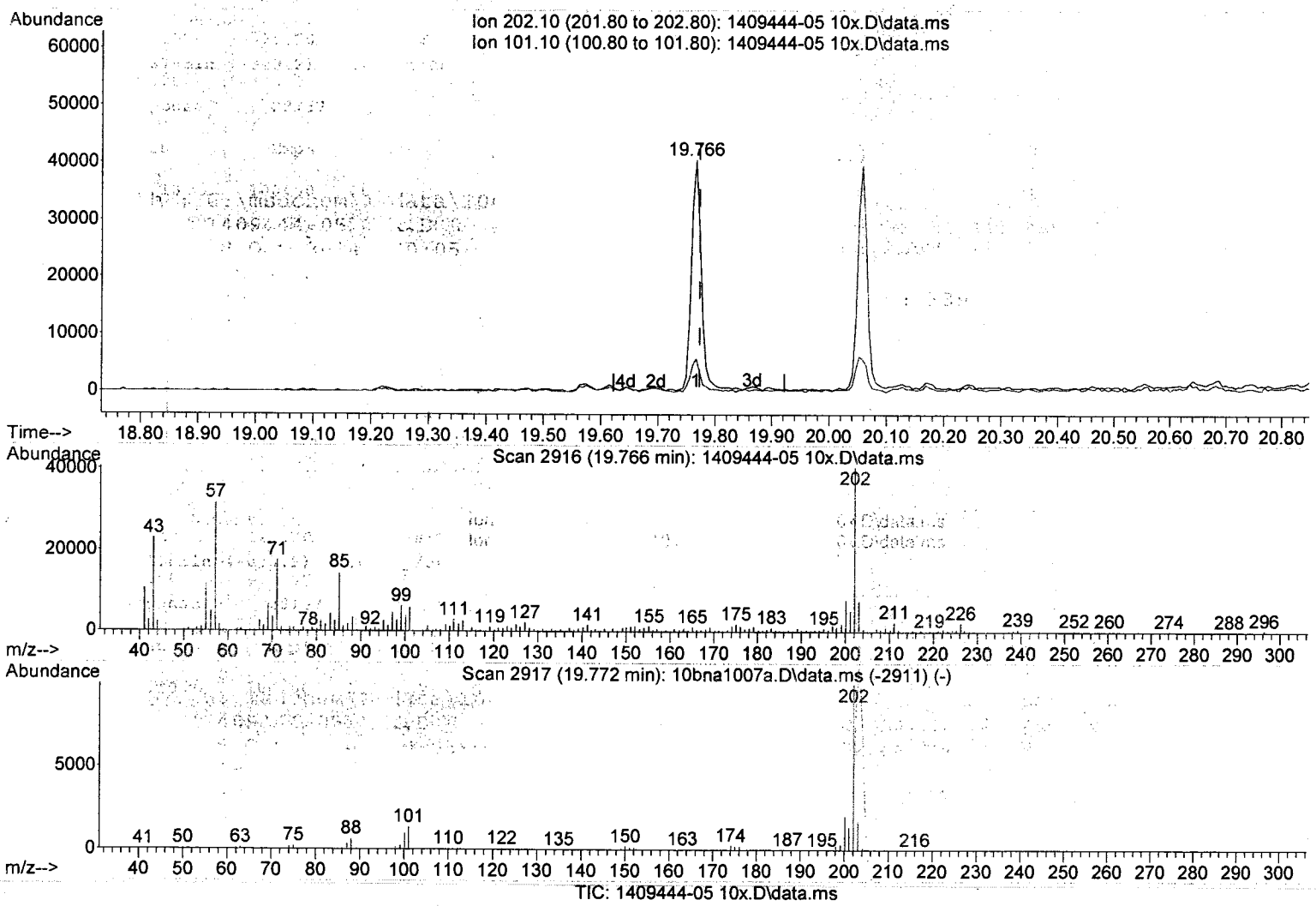
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

002366

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409444-05 10x.D\data.ms

(80) Fluoroanthene (C)

19.766min (-0.006) 0.15 ng/uL

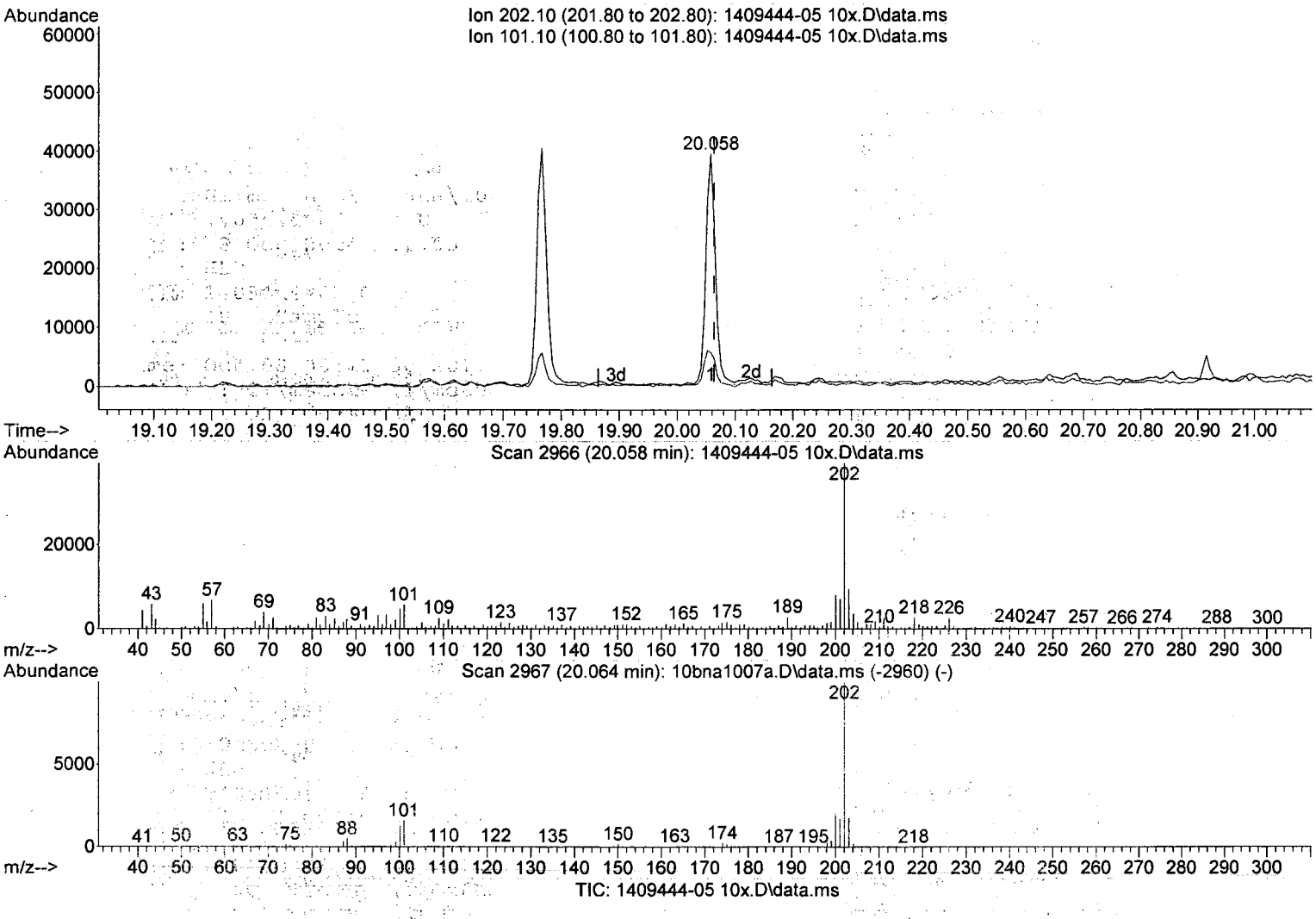
response 48838

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	15.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(82) Pyrene

20.058min (-0.006) 0.16 ng/uL

response 45905

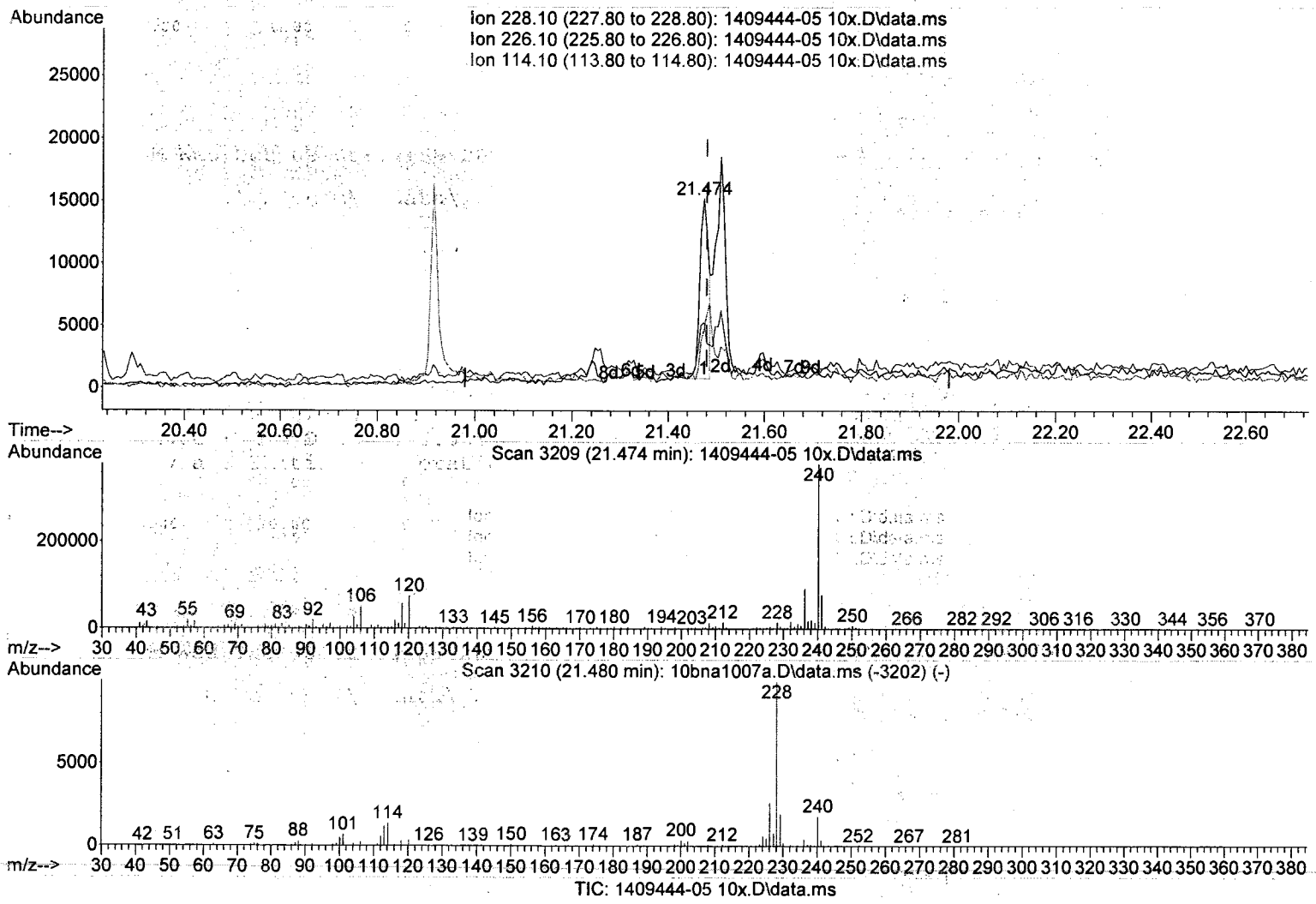
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	20.89#
0.00	0.00	0.00
0.00	0.00	0.00

002368

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409444-05 10x.D\data.ms

(85) Benzo(a)anthracene

21.474min (-0.006) 0.08 ng/uL

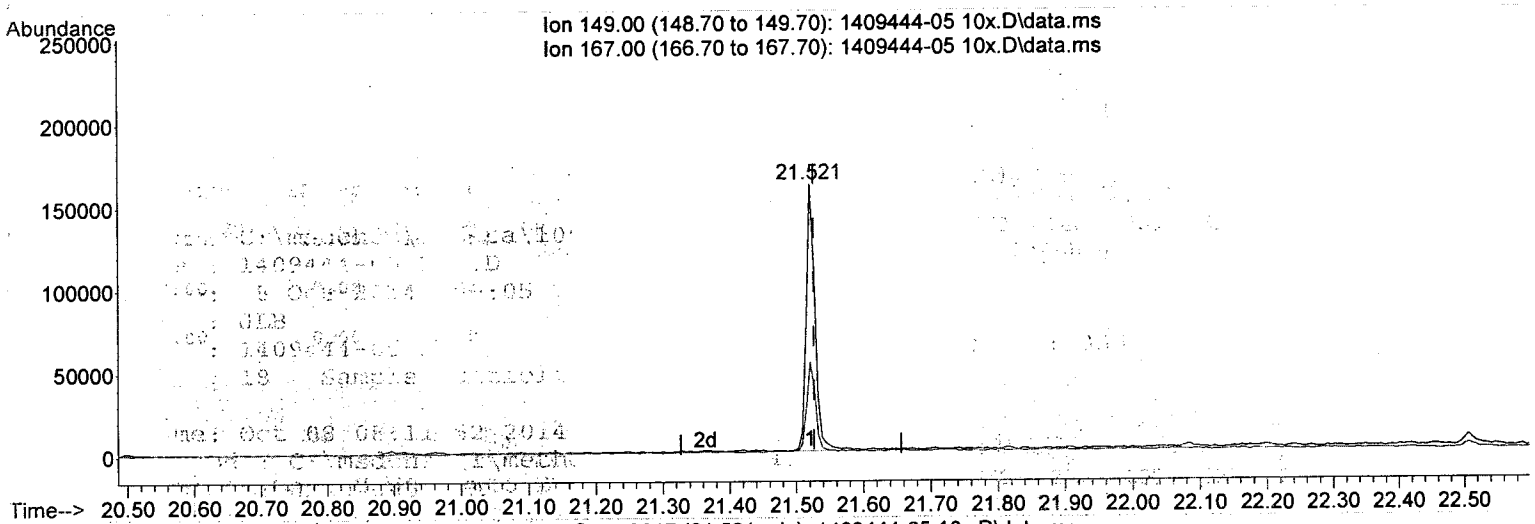
response 18154

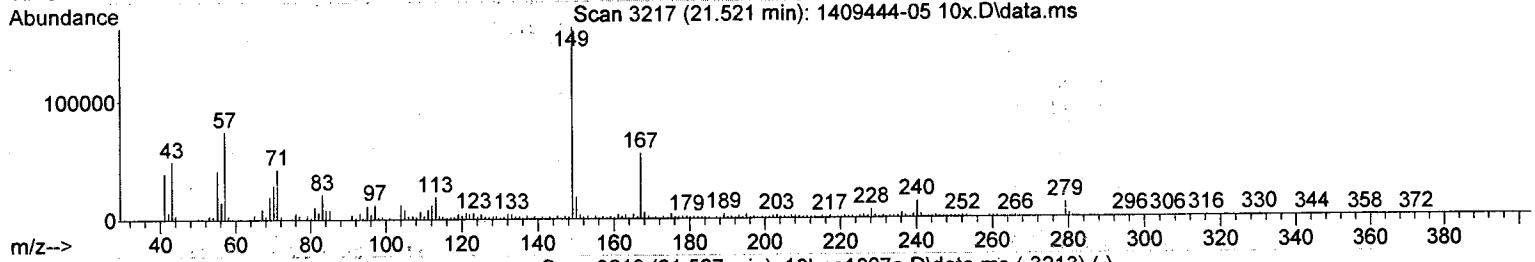
Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	34.65#
114.10	13.30	52.16#
0.00	0.00	0.00

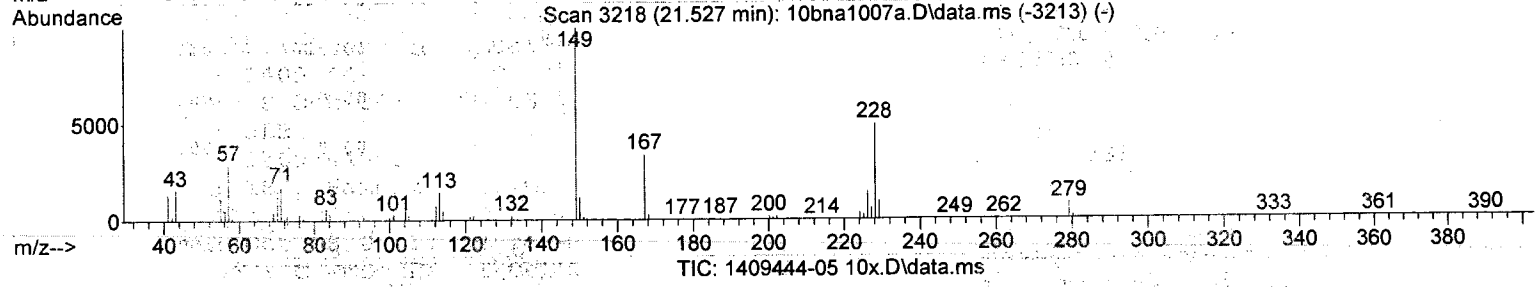
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-05 10x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.521min (-0.006) 1.04 ng/uL

response 146121

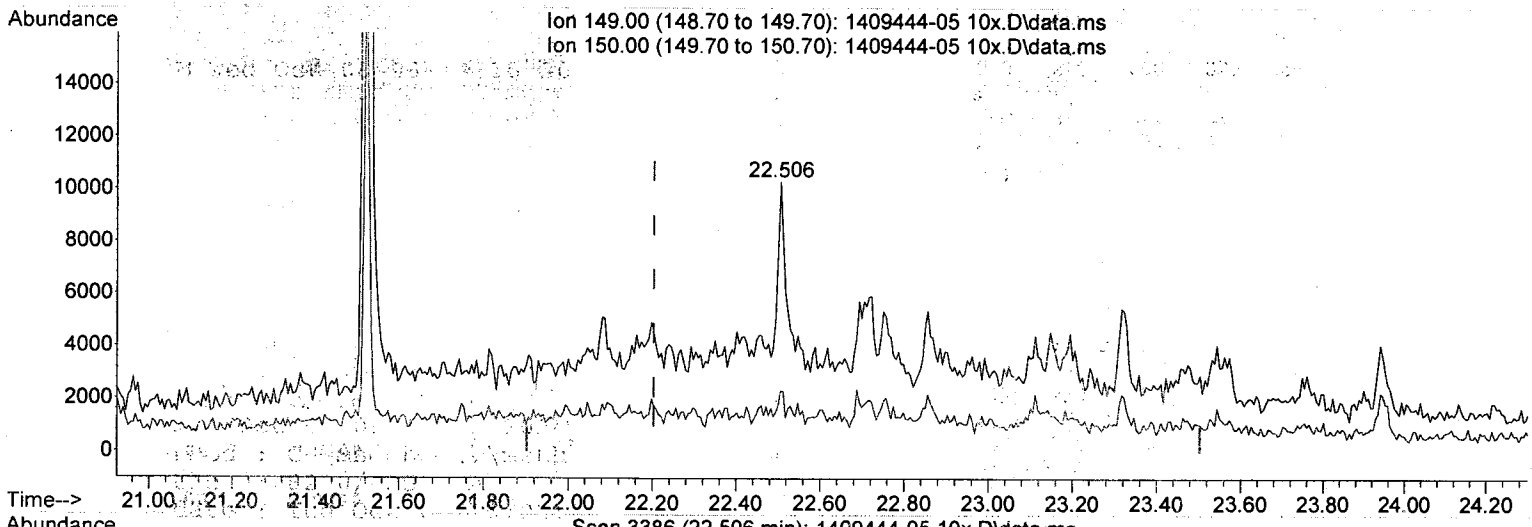
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.75
0.00	0.00	0.00
0.00	0.00	0.00

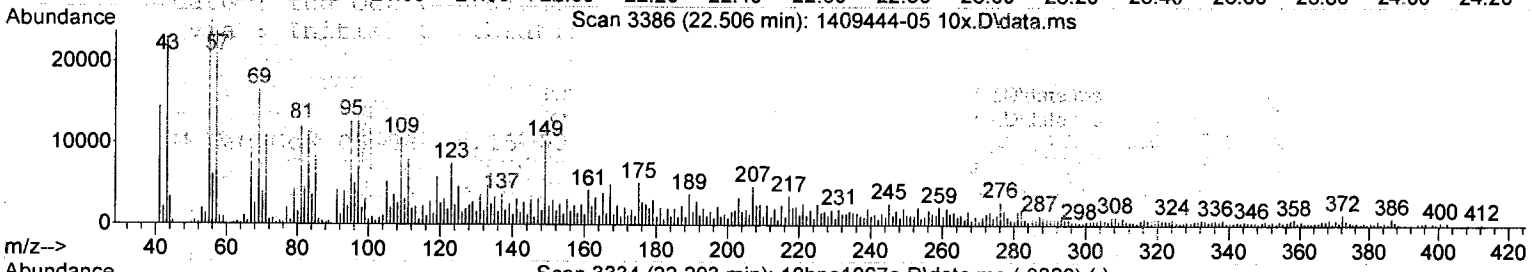
002370

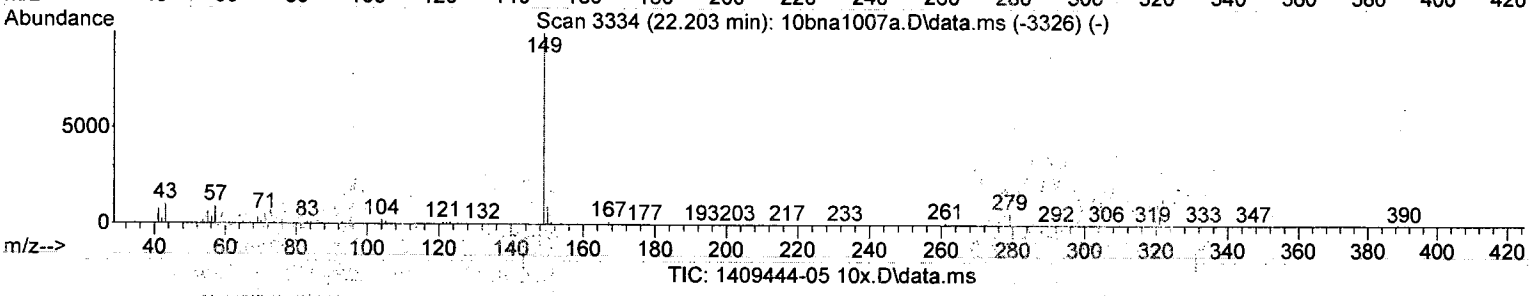
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-05 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.506min (+ 0.303) 0.78 ng/uL

response 113626

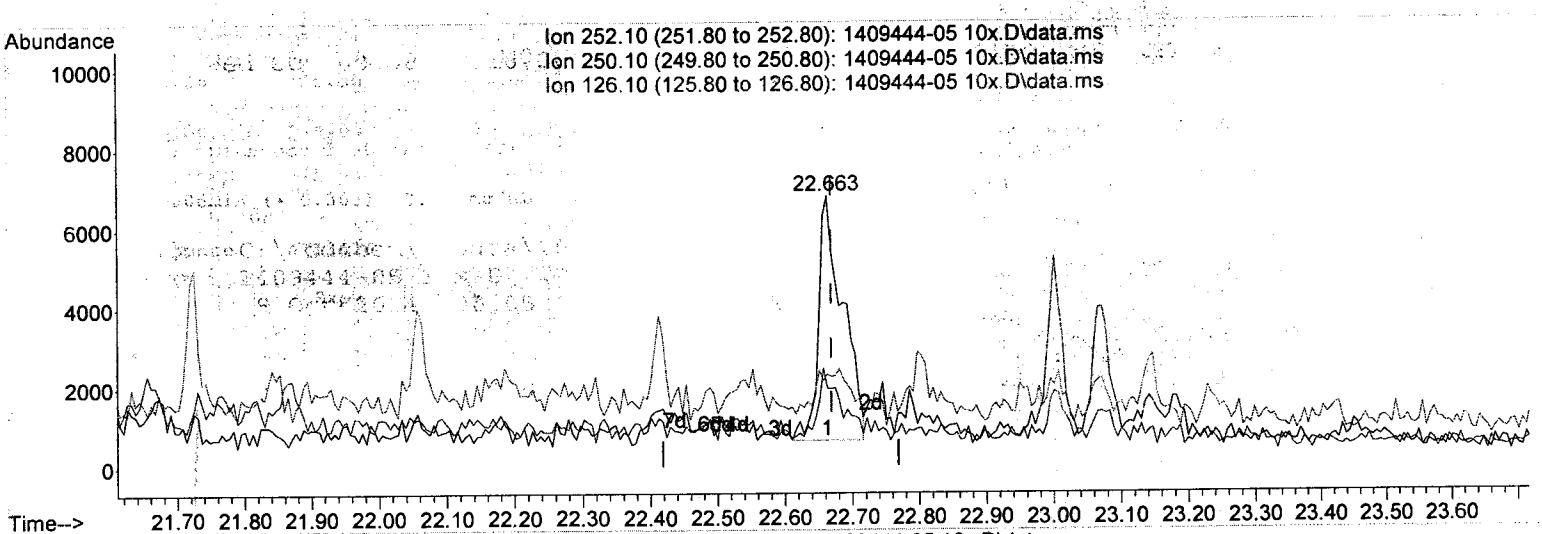
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.03#
0.00	0.00	0.00
0.00	0.00	0.00

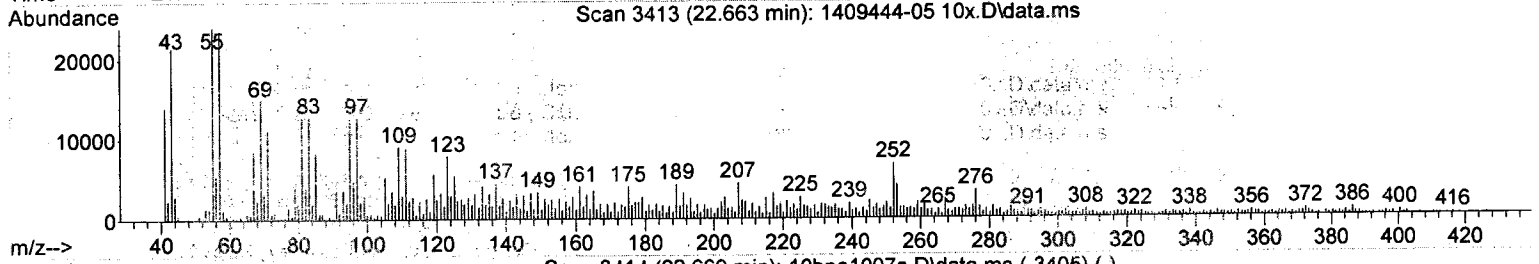
002371

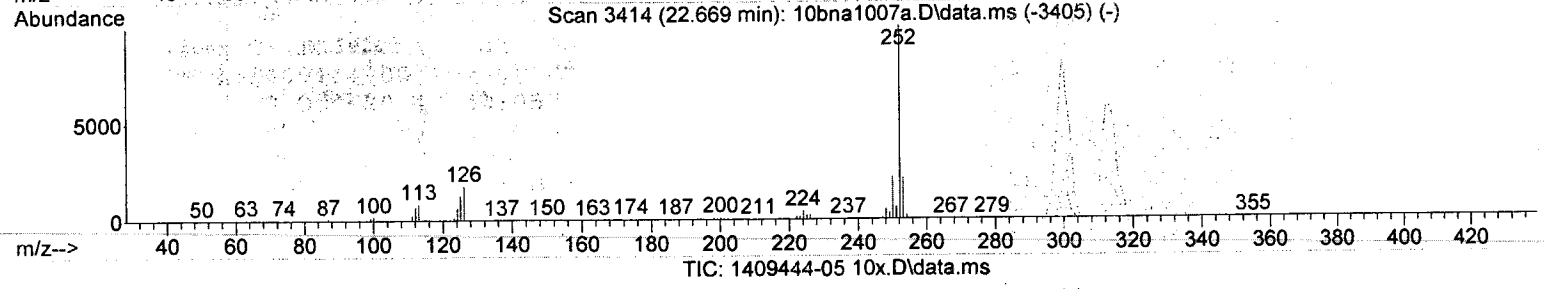
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x
Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-05 10x.D\data.ms

(90) Benzo(b)fluoroanthene

22.663min (-0.006) 0.22 ng/uL

response 15338

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	27.06#
126.10	17.20	27.53#
0.00	0.00	0.00

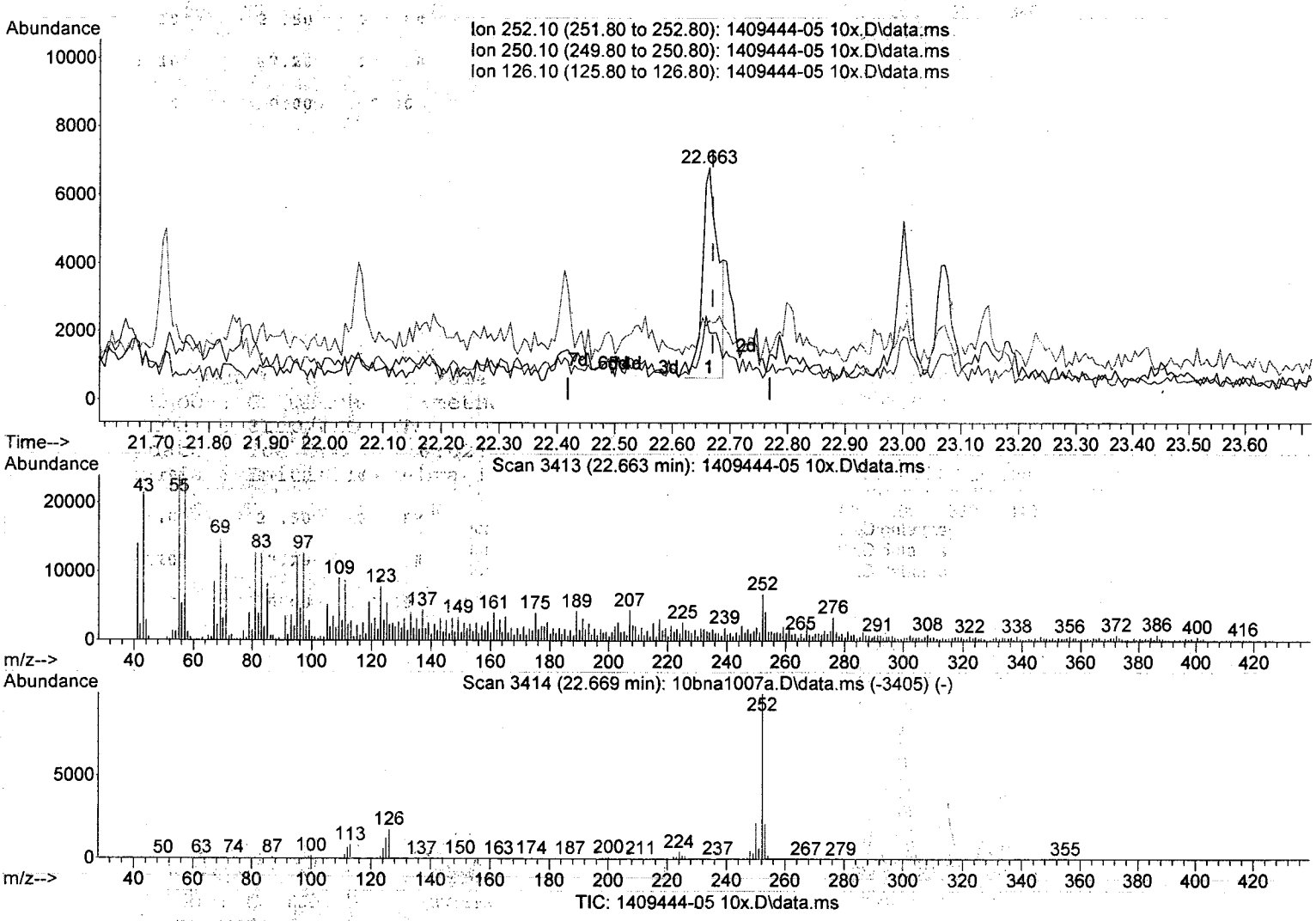
JLB 10/9/14

002372

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409444-05 10x.D\data.ms

(90) Benzo(b)fluoroanthene

22.663min (-0.006) 0.17 ng/uL m

response 11638

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	35.66#
126.10	17.20	36.29#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

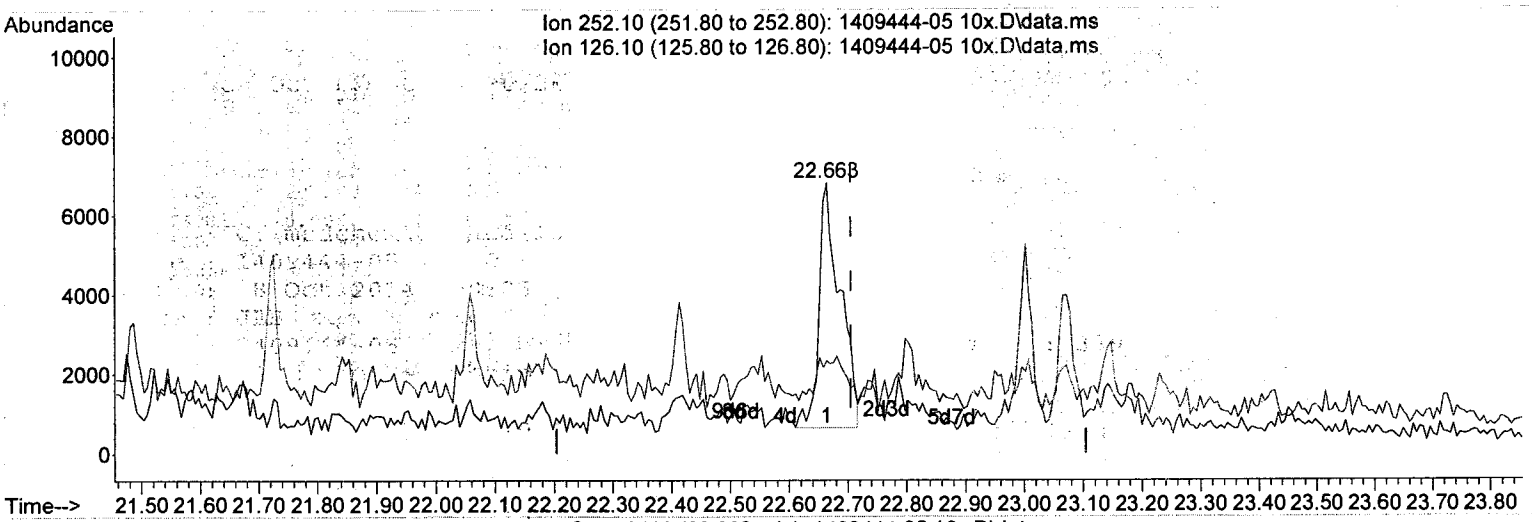
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/9/14
Reviewed By: ASC Date: 10/10/14

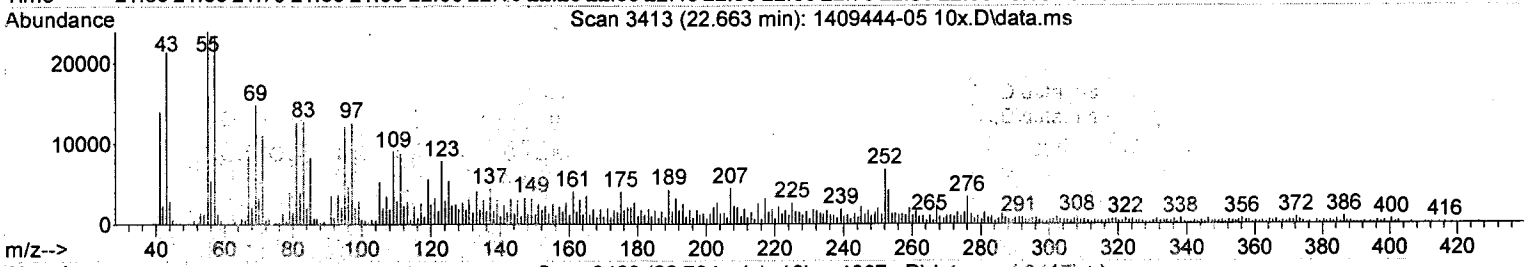
002373

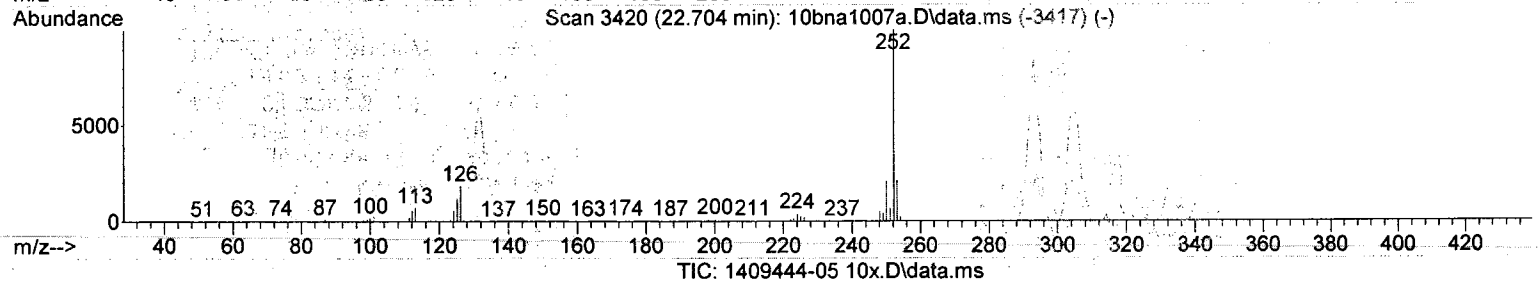
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-05 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.663min (-0.041) 0.20 ng/uL

response 15338

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.90	27.53#
0.00	0.00	0.00
0.00	0.00	0.00

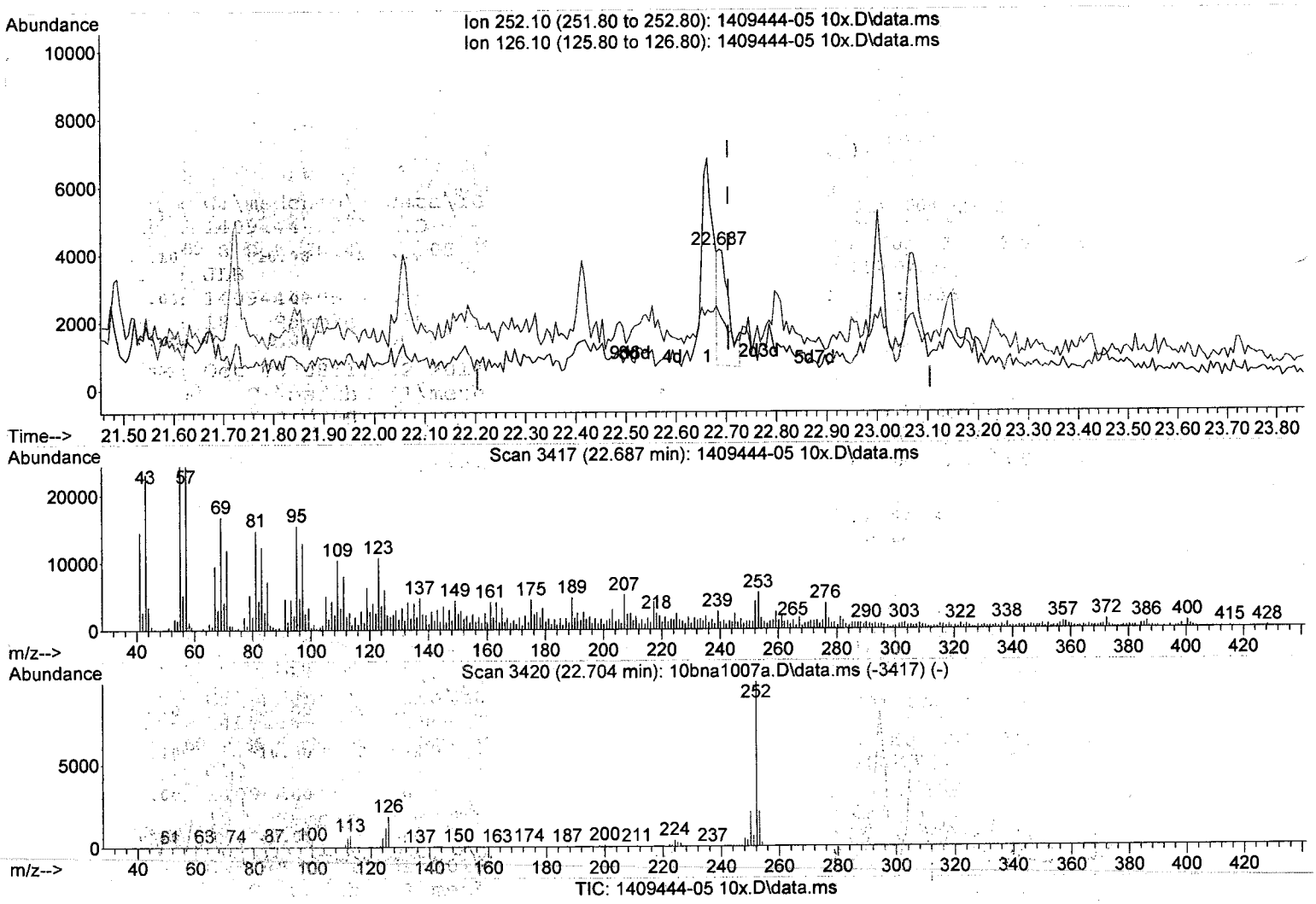
JLH 10/9/14

002374

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409444-05 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.687min (-0.018) 0.07 ng/uL m

response 5240

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	80.59#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/9/14

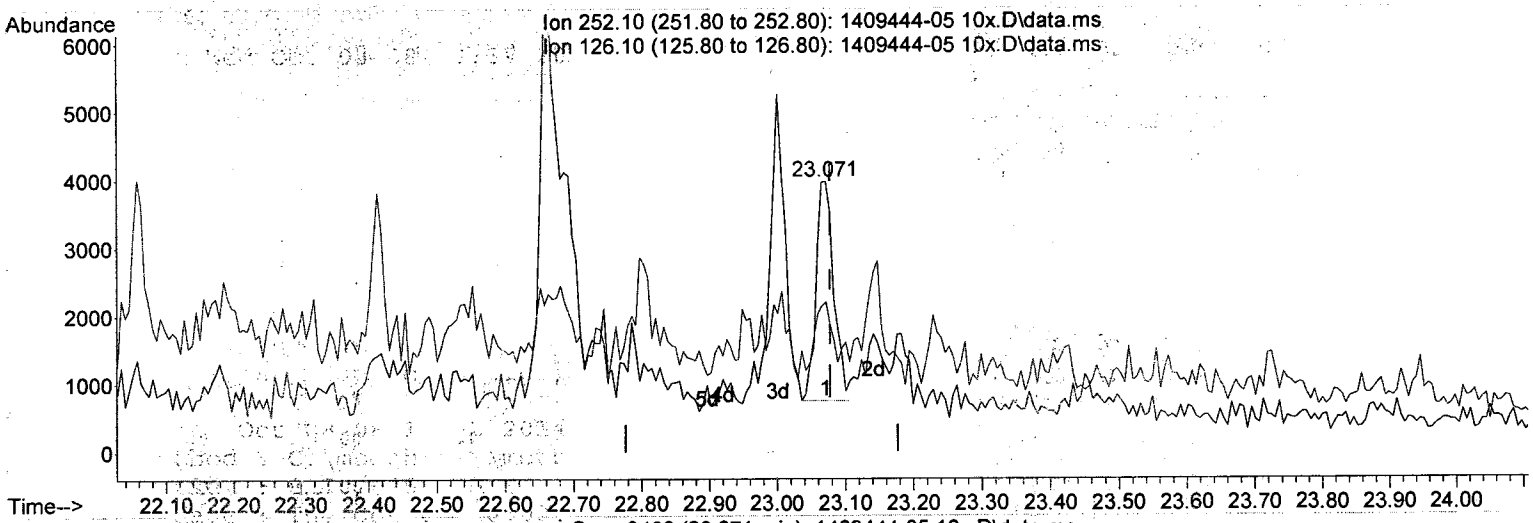
Reviewed By: ASC Date: 10/10/14

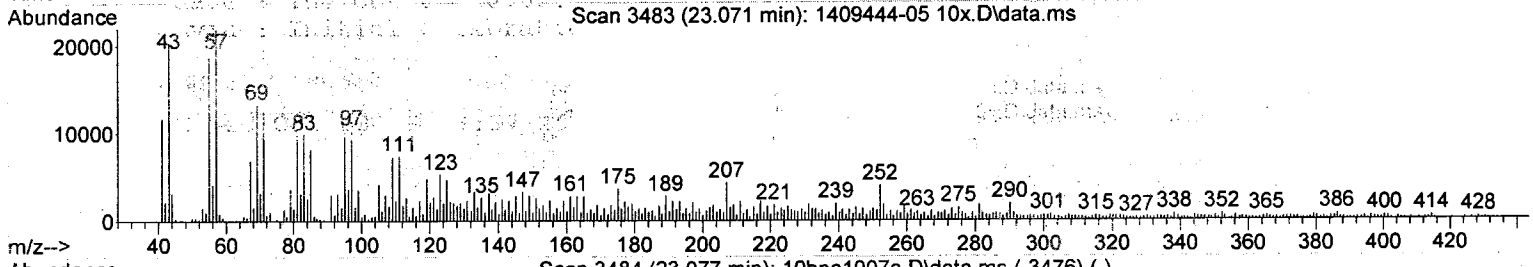
002375

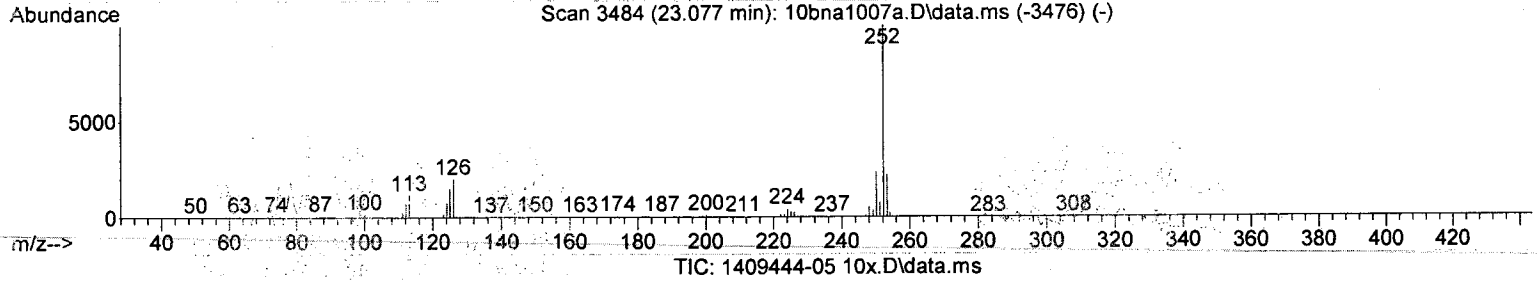
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-05 10x.D\data.ms

(92) Benzo(a)pyrene (C)

23.071min (-0.006) 0.09 ng/uL

response 5787

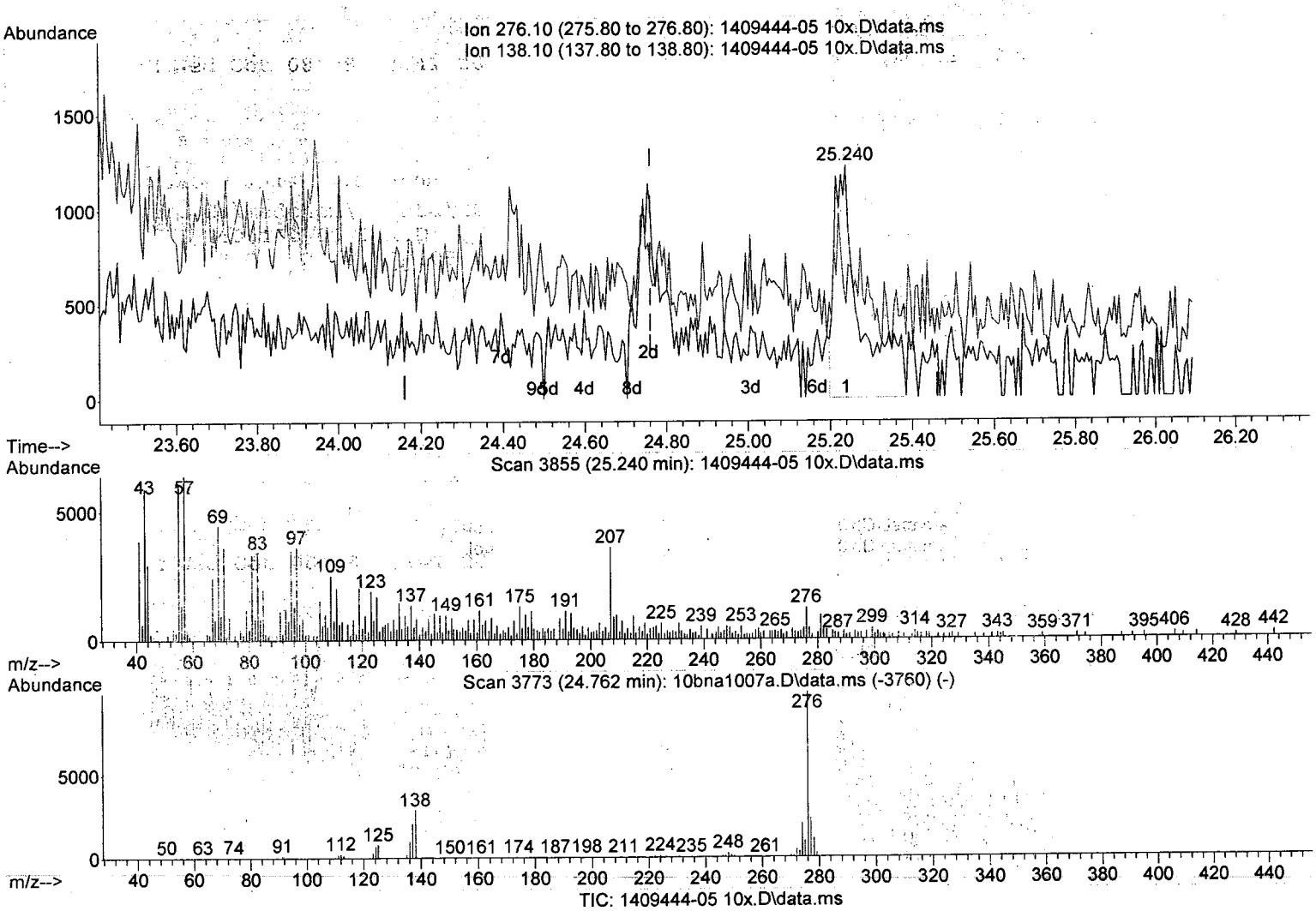
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	37.55#
0.00	0.00	0.00
0.00	0.00	0.00

002376

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409444-05 10x.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

25.240min (+ 0.478) 0.09 ng/uL

response 5288

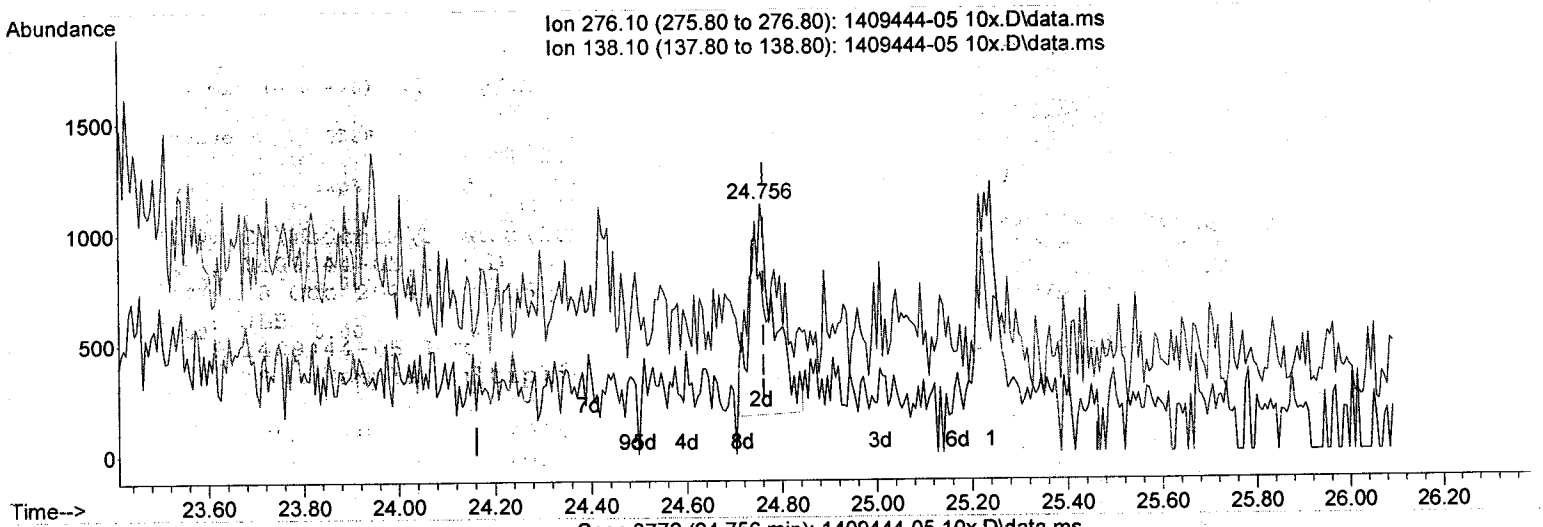
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.30	3.14#
0.00	0.00	0.00
0.00	0.00	0.00

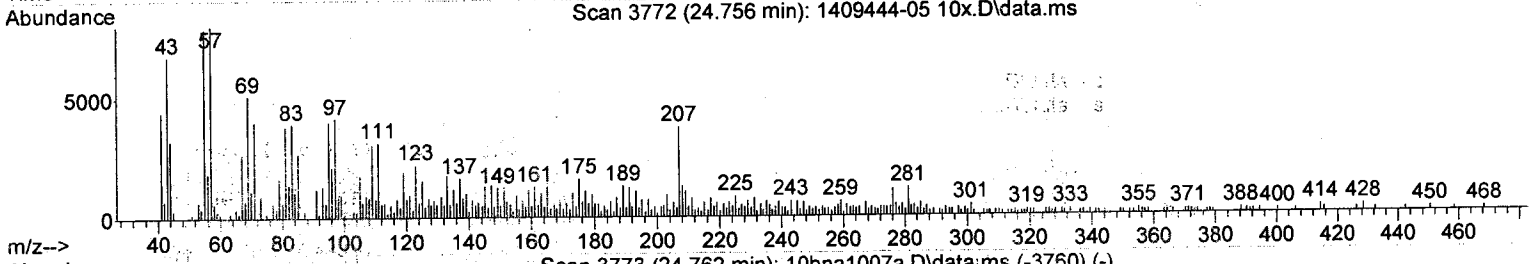
JB 10/9/14

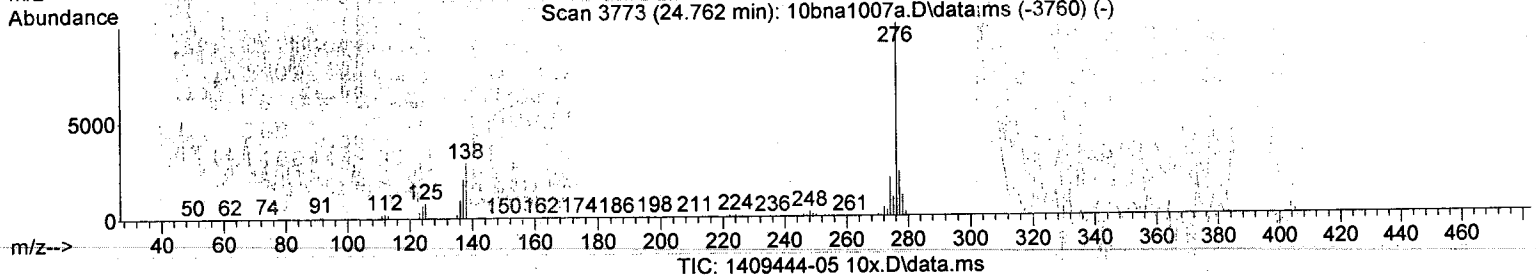
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-05 10x.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.756min (-0.006) 0.06 ng/uL m

response 3287

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	5.05#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

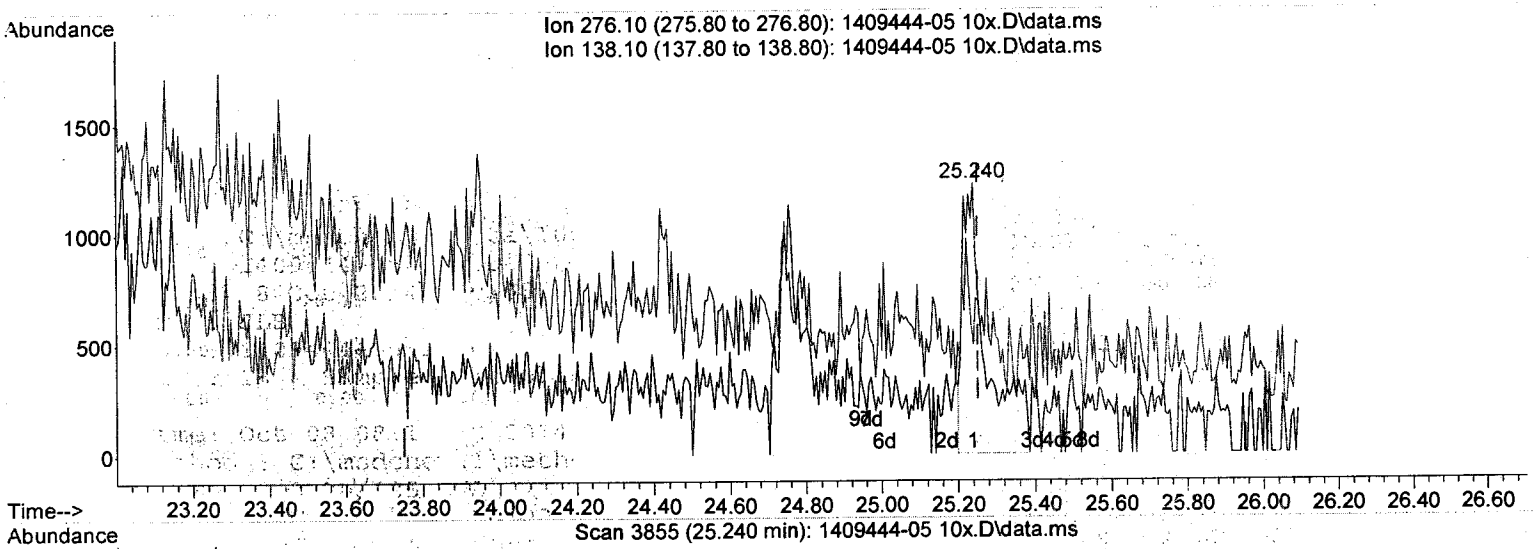
Analyst: JLB Date: 10/9/14

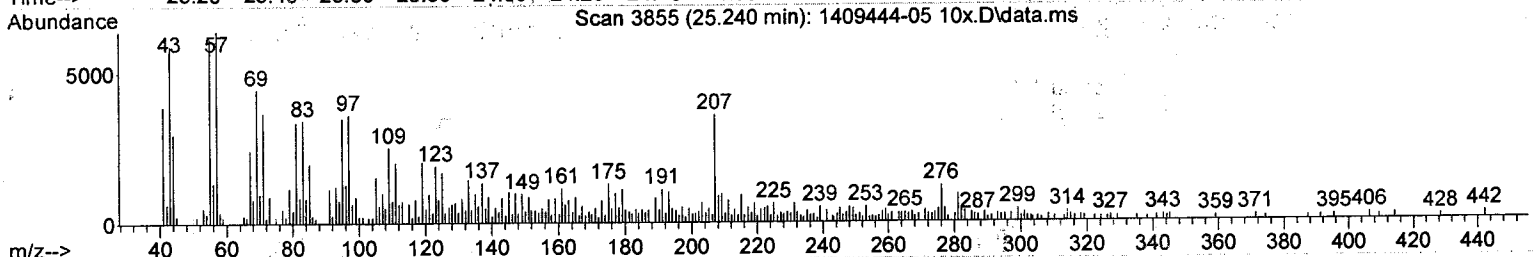
Reviewed By: ASC Date: 10/10/14

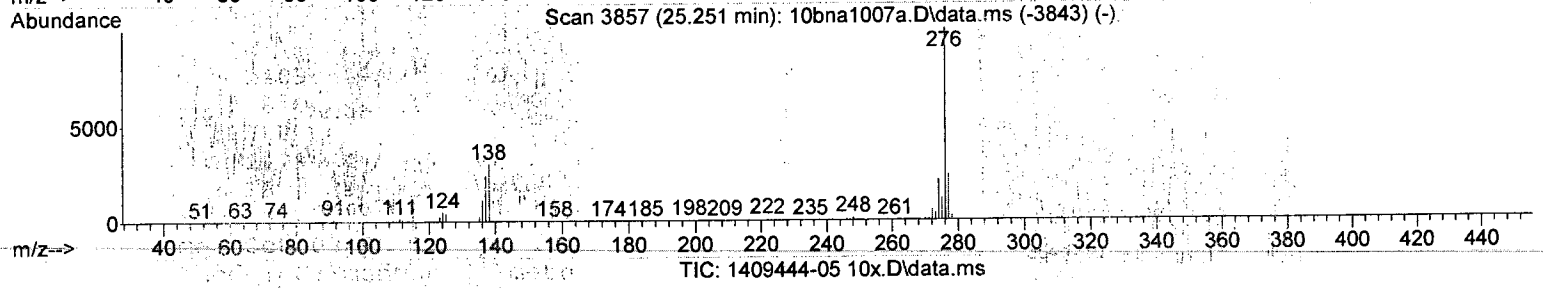
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-05 10x.D\data.ms

(95) Benzo(g,h,i)Perylene

25.240min (-0.012) 0.11 ng/uL

response 5288

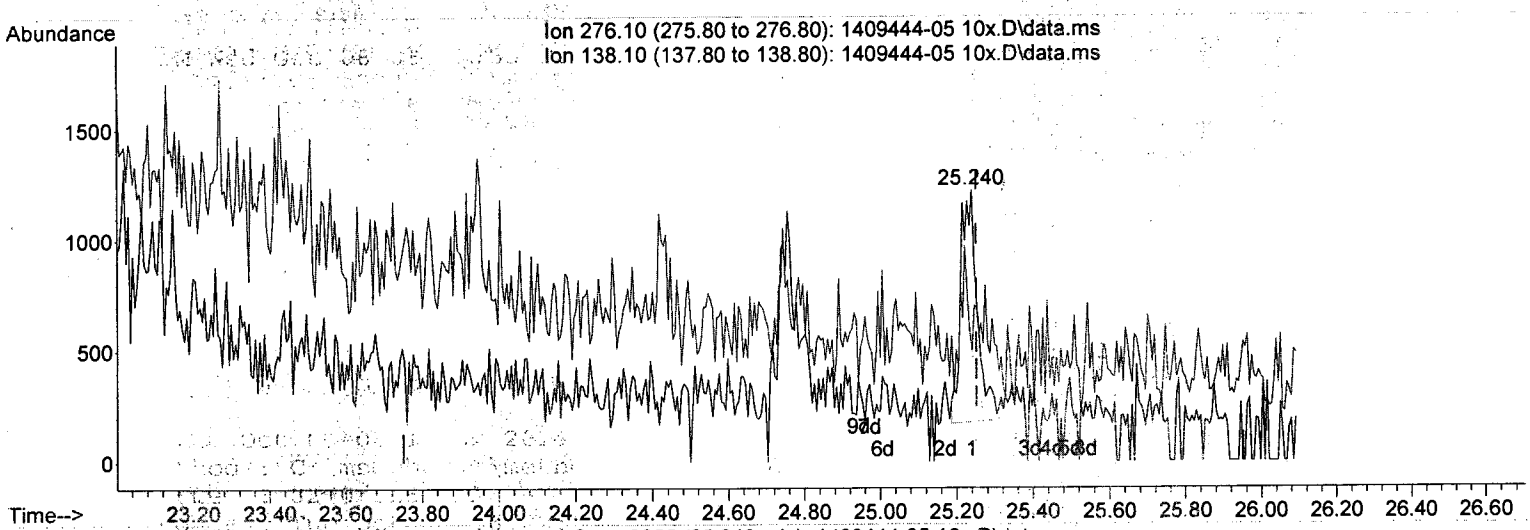
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	3.14#
0.00	0.00	0.00
0.00	0.00	0.00

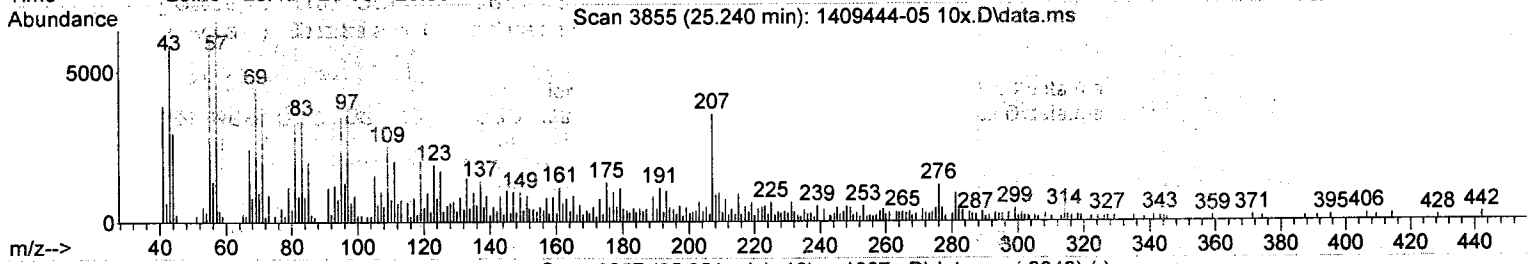
JWS 10/9/14

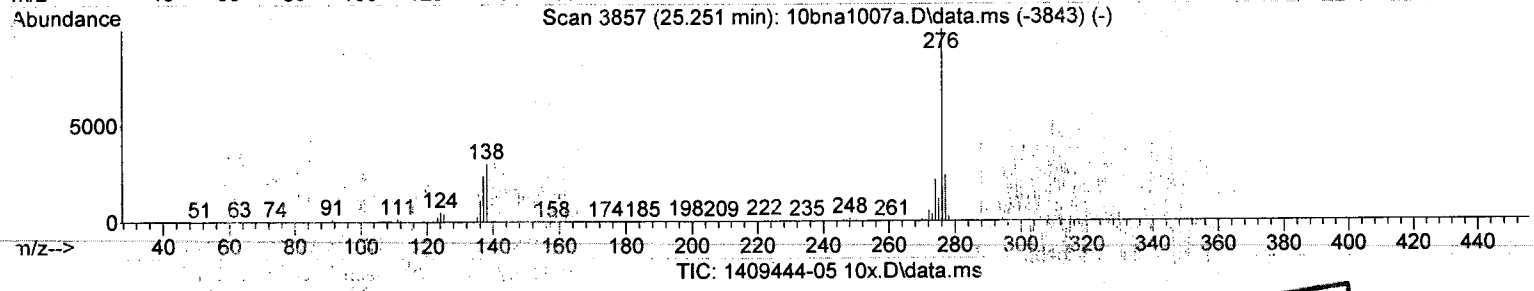
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-05 10x.D
Acq On : 8 Oct 2014 00:05
Operator : JLB
Sample : 1409444-05 10x Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 08:11:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-05 10x.D\data.ms

(95) Benzo(g,h,i)Perylene

25.240min (-0.013) 0.06 ng/uL m

response 3045

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	5.45#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/9/14
Reviewed By: ASC Date: 10/10/14

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB24-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-05RE1 File ID: 1409444-05 20x.D

Sampled: 09/24/14 13:15 Prepared: 09/30/14 07:32 Analyzed: 10/10/14 10:55

Solids: 94.75 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410423 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	20	350	98	350	350	U
208-96-8	Acenaphthylene	20	350	88	350	350	U
120-12-7	Anthracene	20	350	85	350	350	U
56-55-3	Benzo(a)anthracene	20	180	58	180	350	U
50-32-8	Benzo(a)pyrene	20	180	49	180	350	U
205-99-2	Benzo(b)fluoranthene	20	44	40	180	350	J
207-08-9	Benzo(k)fluoranthene	20	180	41	180	350	U
191-24-2	Benzo(g,h,i)perylene	20	44	40	180	700	J
65-85-0	Benzoic Acid	20	3500	1500	3500	7000	U
100-51-6	Benzyl Alcohol	20	350	97	350	350	U
101-55-3	4-Bromophenyl Phenyl Ether	20	350	85	350	350	U
85-68-7	Butyl Benzyl Phthalate	20	350	84	350	700	U
86-74-8	Carbazole	20	350	85	350	3500	U
59-50-7	4-Chloro-3-methylphenol	20	350	110	350	350	U
106-47-8	4-Chloroaniline	20	350	190	350	1400	U
111-91-1	Bis(2-chloroethoxy)methane	20	350	85	350	350	U
111-44-4	Bis(2-chloroethyl) Ether	20	350	83	350	350	U
108-60-1	Bis(2-chloroisopropyl) Ether	20	180	77	180	350	U
91-58-7	2-Chloronaphthalene	20	350	100	350	350	U
95-57-8	2-Chlorophenol	20	350	83	350	350	U
7005-72-3	4-Chlorophenyl Phenyl Ether	20	350	80	350	350	U
218-01-9	Chrysene	20	350	82	350	350	U
53-70-3	Dibenz(a,h)anthracene	20	180	40	180	700	U
132-64-9	Dibenzofuran	20	350	100	350	350	U
84-74-2	Di-n-butyl Phthalate	20	700	280	700	1400	U
106-46-7	1,4-Dichlorobenzene	20	350	100	350	350	U
95-50-1	1,2-Dichlorobenzene	20	350	120	350	350	U
541-73-1	1,3-Dichlorobenzene	20	350	120	350	350	U
91-94-1	3,3´-Dichlorobenzidine	20	14000	5900	14000	18000	U
120-83-2	2,4-Dichlorophenol	20	350	86	350	700	U
84-66-2	Diethyl Phthalate	20	350	100	350	350	U
105-67-9	2,4-Dimethylphenol	20	2800	770	2800	3500	U
131-11-3	Dimethyl Phthalate	20	350	100	350	350	U
534-52-1	4,6-Dinitro-2-methylphenol	20	1400	450	1400	3500	U
51-28-5	2,4-Dinitrophenol	20	3500	1200	3500	3500	U
606-20-2	2,6-Dinitrotoluene	20	180	85	180	350	U
121-14-2	2,4-Dinitrotoluene	20	180	69	180	700	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB24-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-05RE1 File ID: 1409444-05 20x.D

Sampled: 09/24/14 13:15 Prepared: 09/30/14 07:32 Analyzed: 10/10/14 10:55

Solids: 94.75 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410423 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	20	350	82	350	350	U
122-66-7	1,2-Diphenylhydrazine	20	180	71	180	350	U
117-81-7	Bis(2-ethylhexyl) Phthalate	20	290	240	350	700	JB
206-44-0	Fluoranthene	20	350	94	350	350	U
86-73-7	Fluorene	20	350	85	350	700	U
118-74-1	Hexachlorobenzene	20	350	100	350	350	U
87-68-3	Hexachlorobutadiene	20	350	97	350	350	U
67-72-1	Hexachloroethane	20	350	110	350	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	20	180	57	180	700	U
78-59-1	Isophorone	20	350	81	350	350	U
91-57-6	2-Methylnaphthalene	20	350	96	350	350	U
108-39-4	3+4-Methylphenol	20	180	77	180	350	U
95-48-7	2-Methylphenol	20	180	75	180	350	U
91-20-3	Naphthalene	20	350	120	350	350	U
100-01-6	4-Nitroaniline	20	1400	520	1400	7000	U
88-74-4	2-Nitroaniline	20	180	76	180	350	U
99-09-2	3-Nitroaniline	20	700	350	700	7000	U
98-95-3	Nitrobenzene	20	350	97	350	350	U
88-75-5	2-Nitrophenol	20	350	94	350	350	U
100-02-7	4-Nitrophenol	20	7000	2200	7000	14000	U
62-75-9	N-Nitroso-dimethylamine	20	140	70	140	700	U
86-30-6	N-Nitroso-diphenylamine	20	180	73	180	350	U
621-64-7	N-Nitroso-di-n-propylamine	20	350	85	350	350	U
87-86-5	Pentachlorophenol	20	350	280	350	3500	U
85-01-8	Phenanthrene	20	350	86	350	350	U
108-95-2	Phenol	20	350	82	350	3500	U
129-00-0	Pyrene	20	350	91	350	350	U
120-82-1	1,2,4-Trichlorobenzene	20	350	94	350	350	U
95-95-4	2,4,5-Trichlorophenol	20	350	95	350	350	U
88-06-2	2,4,6-Trichlorophenol	20	180	53	180	350	U

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	522856	7.466	403279	7.614	
Naphthalene-d8	1956537	10.2	1529030	10.359	
Acenaphthene-d10	1047260	14.303	866604	14.474	
Phenanthrene-d10	1546608	17.748	1400442	17.901	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB24-07

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-05RE1
File ID: 1409444-05 20x.D
Sampled: 09/24/14 13:15
Prepared: 09/30/14 07:32
Analyzed: 10/10/14 10:55
Solids: 94.75
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410423
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

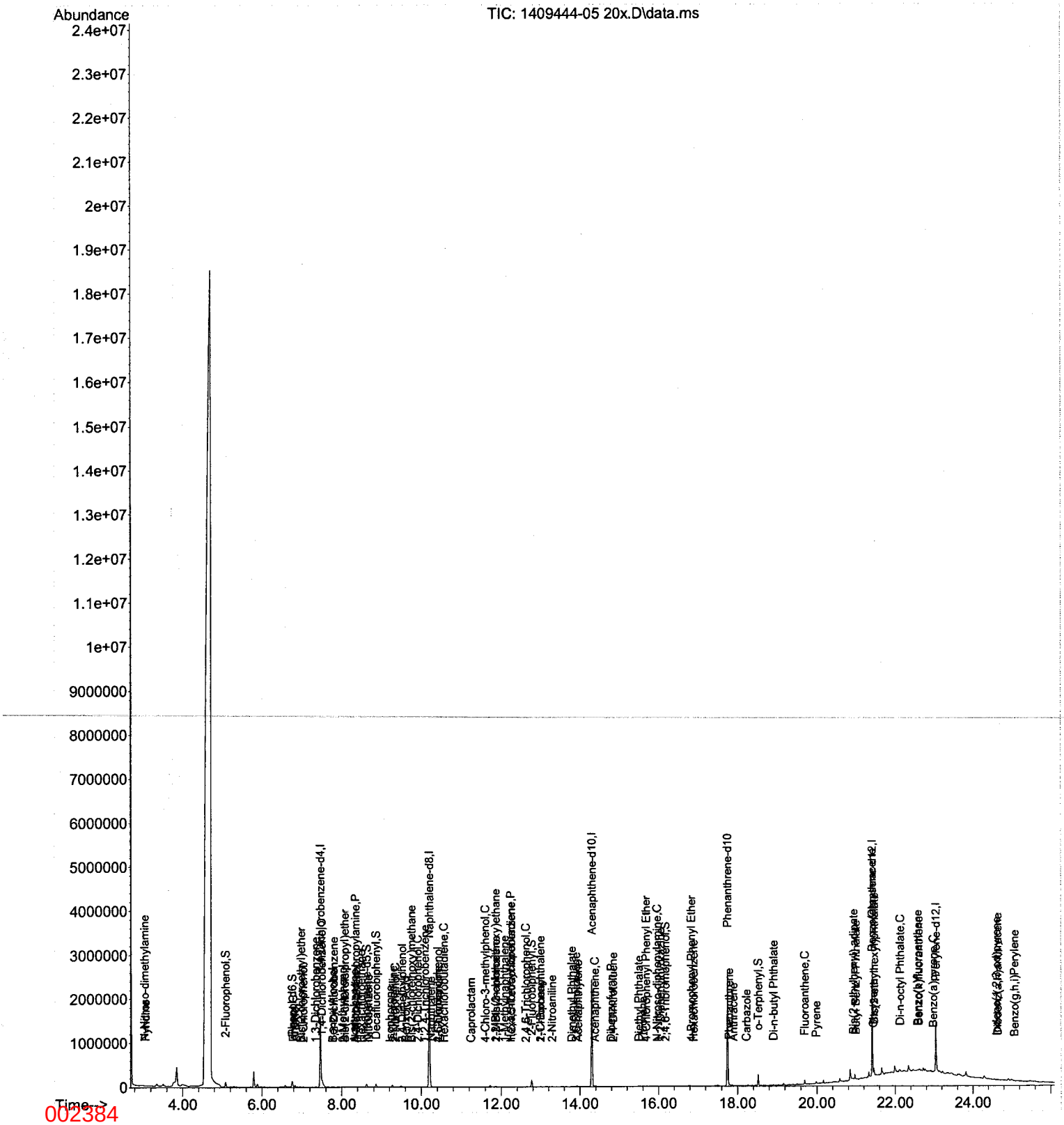
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chrysene-d12	1136284	21.414	1153654	21.538	
Perylene-d12	686037	23.046	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 13:05:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x ref Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 13:05:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.466	152	522856	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.200	136	1956537	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.303	164	1047260	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.748	188	1546608	5.00	ng/uL	0.00
81) Chrysene-d12	21.414	240	1136284	5.00	ng/uL	# 0.00
89) Perylene-d12	23.046	264	686037	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.082	112	60364	0.51	ng/uL	0.05
6) Phenol-d6	6.761	99	104488	0.68	ng/uL	-0.01
21) Nitrobenzene-d5	8.626	82	45142	0.36	ng/uL	-0.01
23) Decafluorobiphenyl	8.859	334	33314	0.38	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.770	172	88032	0.41	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.180	330	697	0.03	ng/uL	-0.01
78) o-Terphenyl	18.523	230	59044	0.45	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.048	74	139	0.00	ng/uL#	1
3) Pyridine	3.071	79	1089	0.01	ng/uL#	43
5) Aniline	6.825	93	371	0.23	ng/uL#	59
7) Phenol	6.784	94	2105	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.982	93	1285	0.01	ng/uL	84
9) 2-Chlorophenol	7.035	128	1130	0.01	ng/uL#	22
10) 1,3-Dichlorobenzene	7.338	146	1354	0.01	ng/uL#	86
11) 1,4-Dichlorobenzene	7.495	146	1489	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.798	146	1232	0.01	ng/uL	90
13) Bis(2-chloroisipropyl)...	8.078	45	3058	0.01	ng/uL#	76
14) Benzyl Alcohol	7.769	108	985	0.01	ng/uL	77
15) 2-Methylphenol	8.026	108	983	0.01	ng/uL	91
16) Acetophenone	8.323	105	243	0.00	ng/uL#	13
17) Hexachloroethane	8.492	119	519	0.01	ng/uL#	77
18) 4-Methylphenol	8.364	108	972	0.01	ng/uL#	67
19) N-Nitroso-di-n-propyla...	8.352	70	878	0.01	ng/uL#	1
22) Nitrobenzene	8.667	77	1320	0.01	ng/uL#	64
24) Isophorone	9.209	82	2488	0.01	ng/uL#	86
25) 2-Chloroaniline	9.296	127	1495	0.01	ng/uL#	78
26) 2-Nitrophenol	9.355	139	303	0.00	ng/uL#	5
27) 2,4-Dimethylphenol	9.524	107	841	0.01	ng/uL#	54
28) Bis(2-chlorethoxy)methane	9.757	93	1602	0.01	ng/uL	99
29) 2,4-Dichlorophenol	9.908	162	685	0.01	ng/uL#	68
30) Benzoic Acid	9.605	105	599	pp ~~2.46~~	ng/uL	94
31) 1,2,4-Trichlorobenzene	10.089	180	1264	0.01	ng/uL#	74
32) Naphthalene	10.241	128	5801	0.01	ng/uL#	1
33) 4-Chloroaniline	10.415	127	356	0.00	ng/uL#	1
34) 2,6-Dichlorophenol	10.415	162	702	0.01	ng/uL#	75
35) Hexachlorobutadiene	10.573	225	430	0.01	ng/uL#	69
36) Caprolactam	11.243	55	575	0.01	ng/uL#	21
37) 1,2-Bis(2-chloroethoxy...	11.861	63	213	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.599	107	749	0.01	ng/uL#	77
39) 2-Methylnaphthalene	11.861	142	4105	0.02	ng/uL	98
40) 1-Methylnaphthalene	12.082	142	3360	0.01	ng/uL	94
41) 1,3 Dinitrobenzene	0.000		0	N.D.		
43) 1,2,4,5-Tetrachloroben...	12.252	216	942	0.01	ng/uL#	96
44) Hexachlorocyclopentadiene	12.240	237	190	0.00	ng/uL#	59
45) 2,4,6-Trichlorophenol	12.619	196	111	0.00	ng/uL#	27
46) 2,4,5-Trichlorophenol	12.619	196	111	0.00	ng/uL#	29

002385

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 13:05:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48) 2-Chloronaphthalene	12.992	162	2151	0.01 ng/uL	88
49) 1,1'-Biphenyl	12.992	154	619	0.00 ng/uL#	55
50) 2-Nitroaniline	13.283	138	121	0.00 ng/uL#	1
51) Acenaphthylene	13.953	152	3149	0.01 ng/uL#	80
52) 2,6-Dinitrotoluene	13.901	165	58	0.00 ng/uL#	1
53) Dimethyl Phthalate	13.796	163	2594	0.01 ng/uL	99
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.379	153	2992	0.01 ng/uL	93
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.793	168	3266	0.01 ng/uL	97
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	14.839	165	123	0.00 ng/uL#	44
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.603	166	2713	0.01 ng/uL#	90
63) Diethyl Phthalate	15.498	149	4424	0.02 ng/uL	99
64) 4-Chlorophenyl Phenyl ...	15.685	204	931	0.01 ng/uL#	79
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	15.970	169	1708	0.01 ng/uL	90
69) 1,2-Diphenylhydrazine	16.052	182	441	0.01 ng/uL	90
71) 4-Bromophenyl Phenyl E...	16.839	248	361	0.01 ng/uL	86
72) Hexachlorobenzene	16.897	284	604	0.01 ng/uL	95
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	0.000		0	N.D.	
75) Phenanthrene	17.789	178	14914	0.05 ng/uL	98
76) Anthracene	17.894	178	4800	0.02 ng/uL	99
77) Carbazole	18.220	167	3199	0.01 ng/uL#	93
79) Di-n-butyl Phthalate	18.914	149	8306	0.03 ng/uL	98
80) Fluoroanthene	19.695	202	20778	0.07 ng/uL	93
82) Pyrene	19.986	202	21304	0.08 ng/uL#	90
83) Butyl Benzyl Phthalate	20.994	149	357	0.00 ng/uL	95
84) Bis(2-ethylhexyl) adipate	20.930	129	7107	0.14 ng/uL#	100
85) Benzo(a)anthracene	21.408	228	14351	0.07 ng/uL#	49
86) Chrysene	21.443	228	12695	0.06 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.461	149	54693	0.40 ng/uL	91
88) Di-n-octyl Phthalate	22.125	149	46982	pp 0.53 ng/uL#	78
90) Benzo(b)fluoroanthene	22.574	252	7257m	0.06 ng/uL	
91) Benzo(k)fluoranthene	22.603	252	4982m	0.04 ng/uL	
92) Benzo(a)pyrene	22.976	252	4273	0.04 ng/uL#	41
93) Indeno(1,2,3-cd)pyrene	24.608	276	4127m	0.04 ng/uL	
94) Dibdenz(a,h)anthracene	24.643	278	1548	0.02 ng/uL#	76
95) Benzo(g,h,i)Perylene	25.075	276	4868	0.06 ng/uL#	66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

002386

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 12:59:21 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 12:58:17 2014
Response via : Initial Calibration

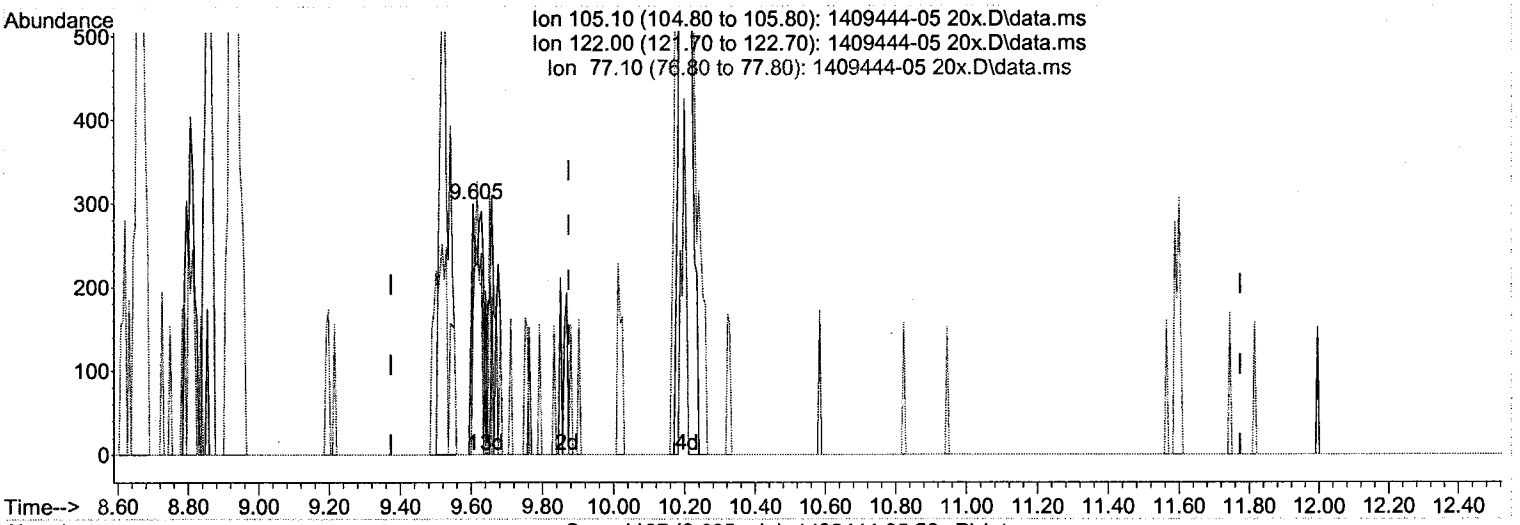
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.466	152	510953	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.200	136	1956537	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.303	164	1046895	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.748	188	1546608	5.00	ng/uL	0.00
19) Chrysene-d12	21.414	240	1136284	5.00	ng/uL	# 0.00
22) Perylene-d12	23.046	264	702478	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.048	74	139	0.00	ng/uL#	1
3) Pyridine	3.071	79	1089	0.01	ng/uL#	43
4) Aniline	6.825	93	371	0.00	ng/uL#	59
5) Benzaldehyde	6.627	105	759	0.01	ng/uL#	1
6) Acetophenone	8.323	105	243	0.00	ng/uL#	13
7) N-Nitroso-di-n-propyla...	8.352	70	878	0.01	ng/uL#	1
9) 4-Chloroaniline	10.415	127	356	0.01	ng/uL#	1
10) Caprolactam	11.162	55	246	0.10	ng/uL#	21
12) 1,1'-Biphenyl	12.992	154	619	0.00	ng/uL#	55
13) 2-Nitroaniline	13.283	138	121	0.01	ng/uL#	1
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	15.970	169	1708	0.01	ng/uL	90
18) Atrazine	0.000		0	N.D.		
20) Benzidine	19.899	184	327	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.251	252	176	0.00	ng/uL	95

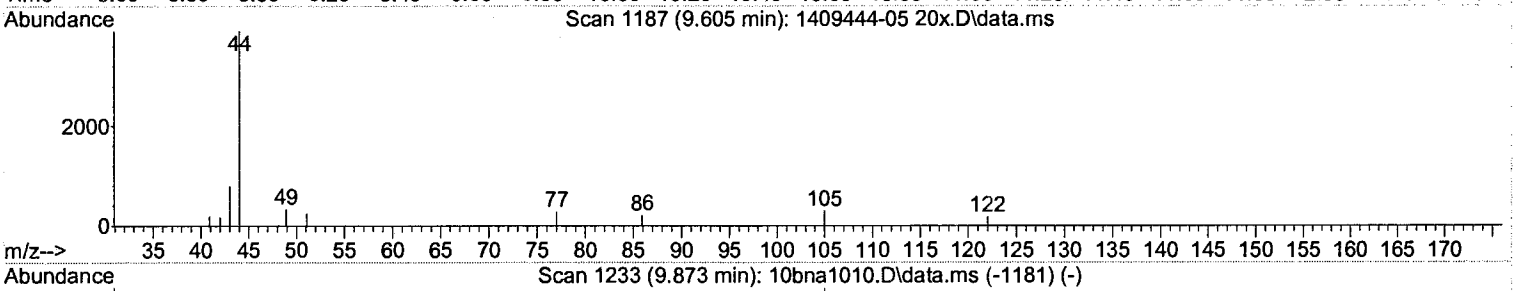
(#) = qualifier out of range (m) = manual integration (+) = signals summed

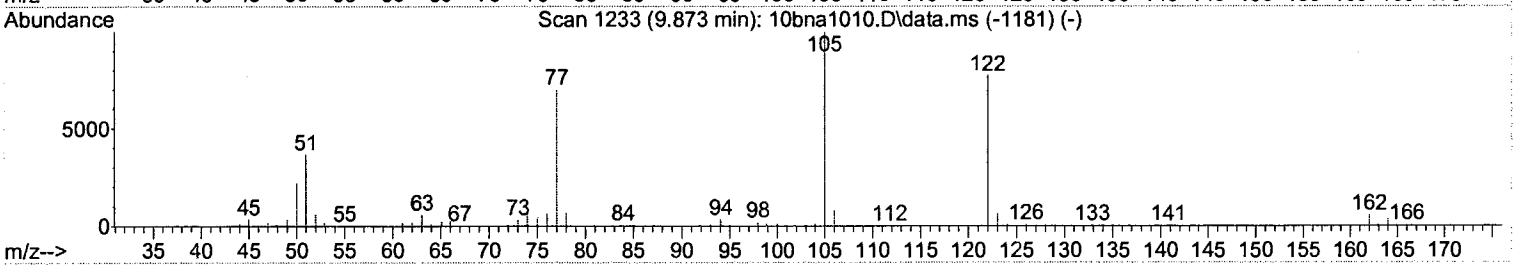
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 13:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1409444-05 20x.D\data.ms

(30) Benzoic Acid

9.605min (-0.268) 2.46 ng/uL

response 599

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	76.46
77.10	74.70	81.97
0.00	0.00	0.00

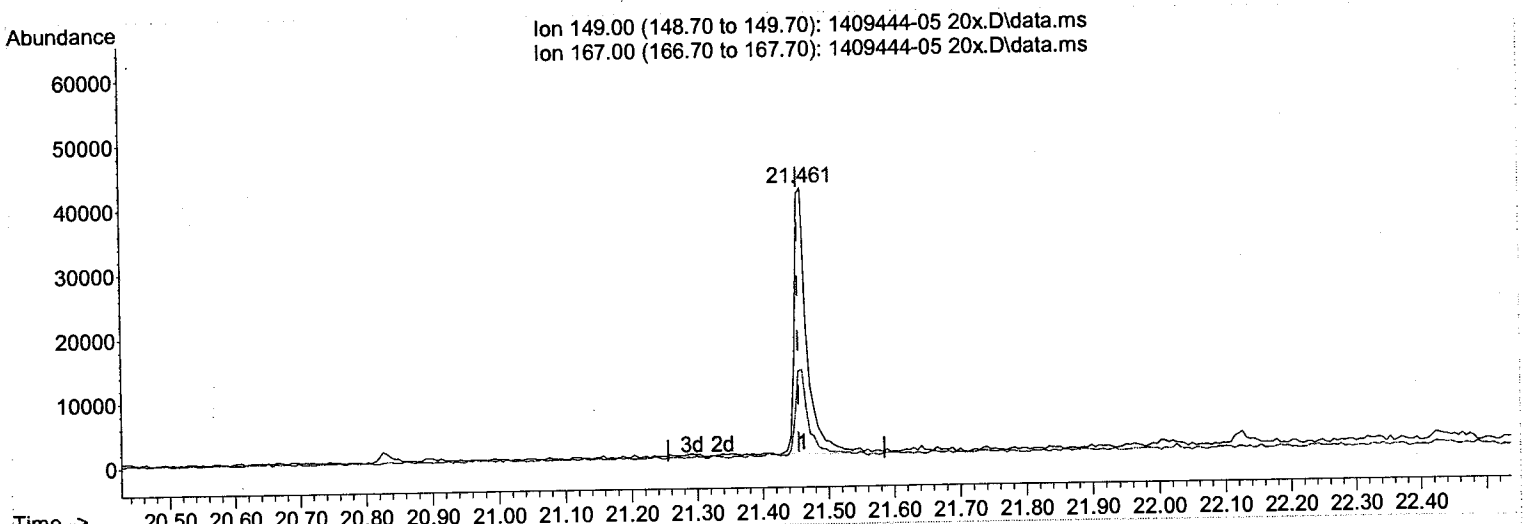
002388

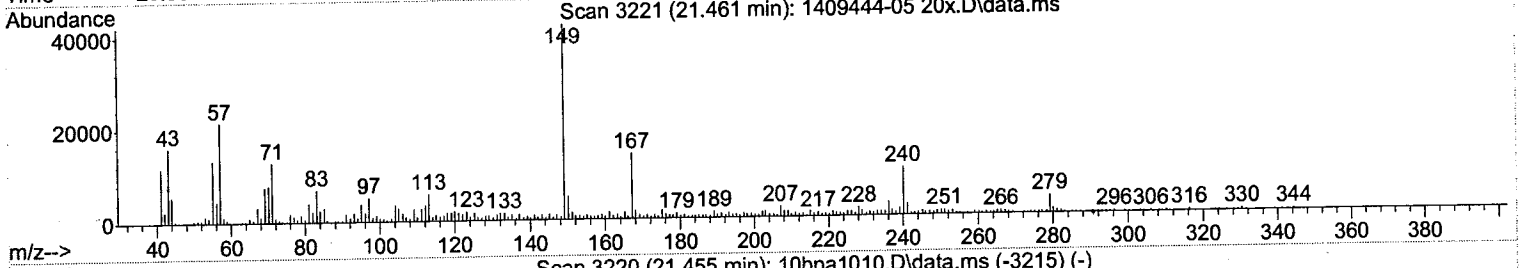
Quantitation Report (Qedit)

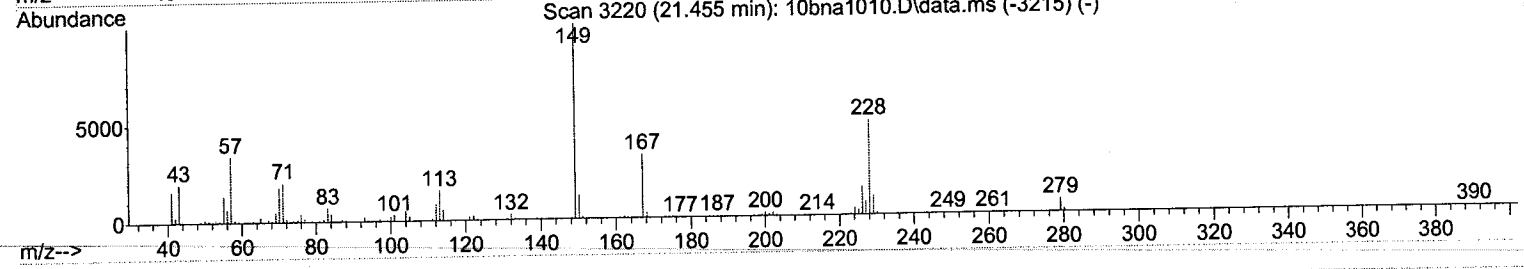
Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x
ALS Vial : 6 Sample Multiplier: 1

Inst : 339

Quant Time: Oct 10 13:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1409444-05 20x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.461min (+ 0.006) 0.40 ng/uL

response 54693

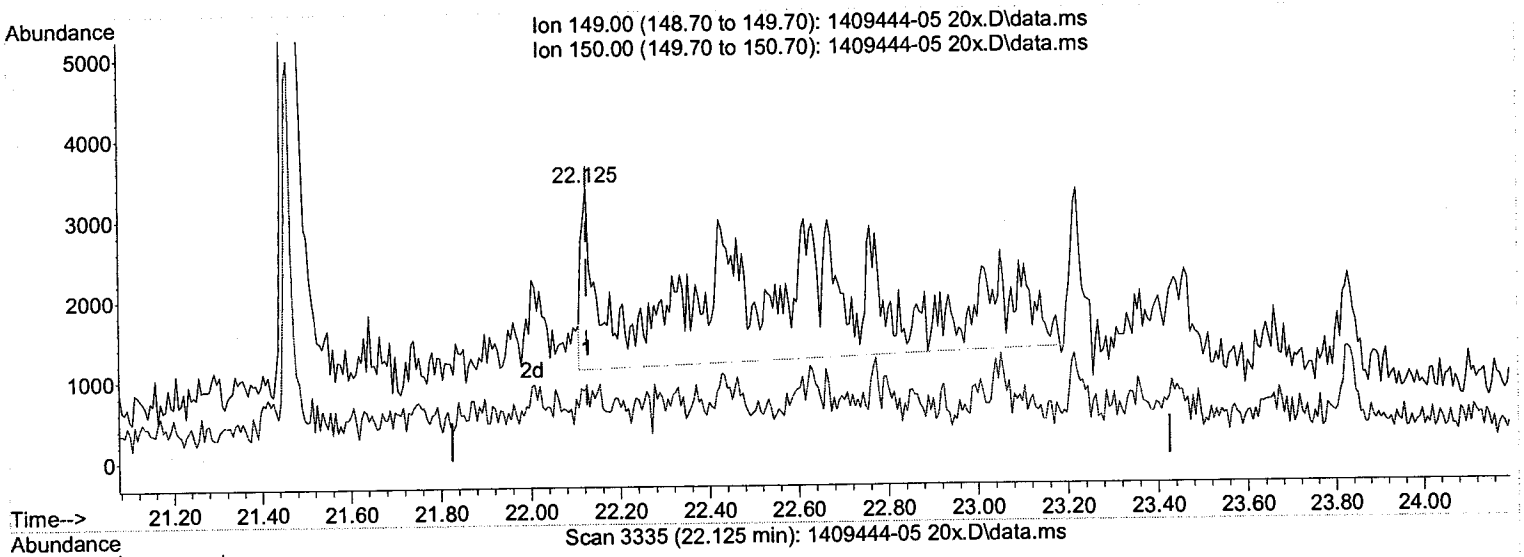
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.80
0.00	0.00	0.00
0.00	0.00	0.00

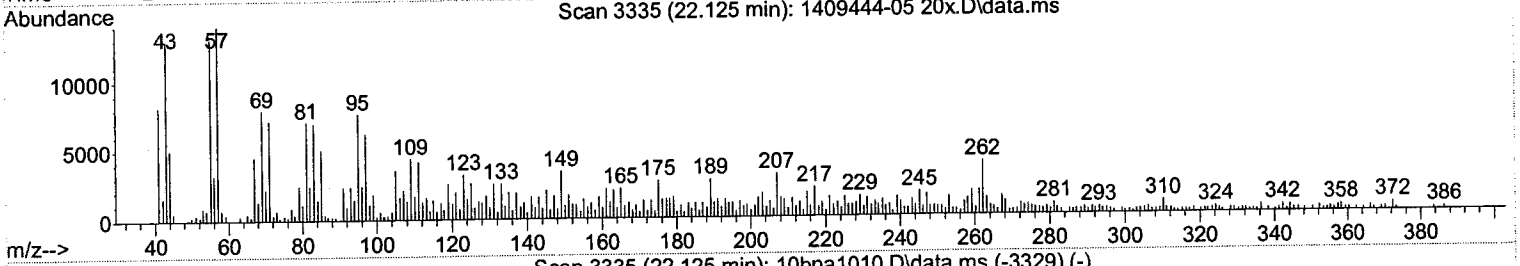
002389

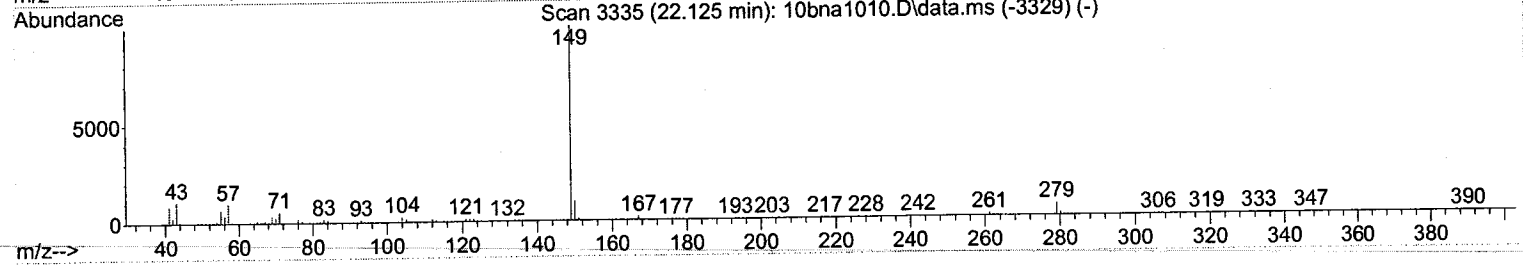
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x
Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 13:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1409444-05 20x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.125min (0.000) 0.53 ng/uL

response 46982

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.54#
0.00	0.00	0.00
0.00	0.00	0.00

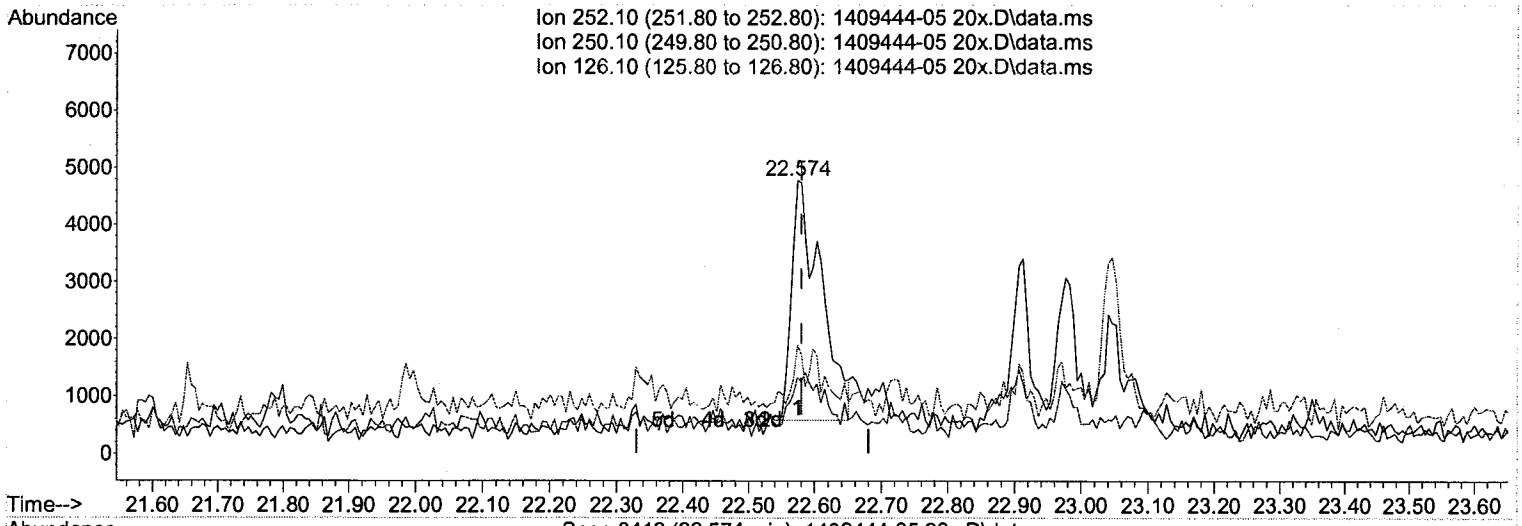
R

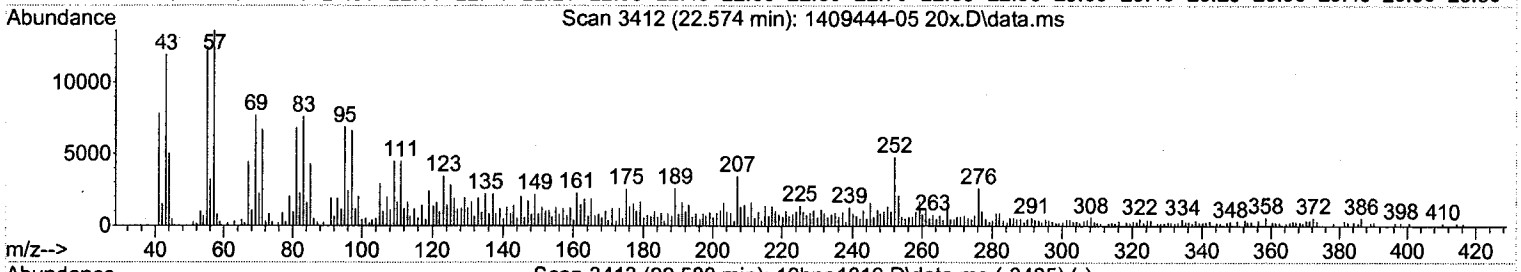
002390

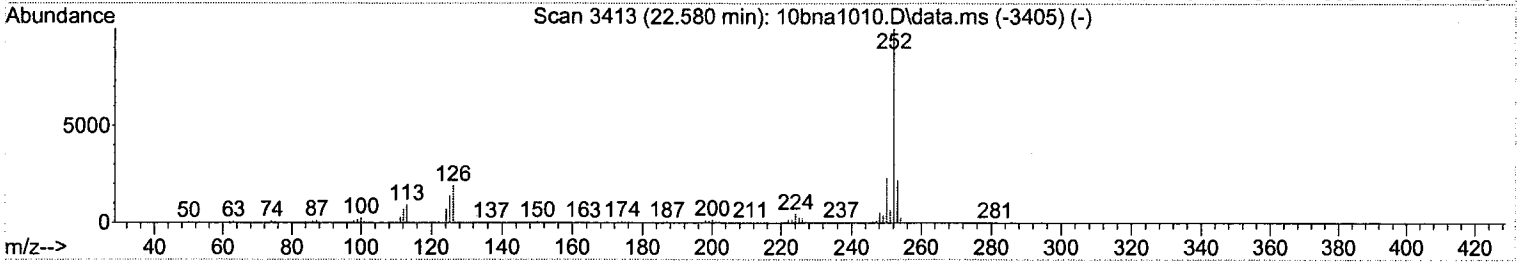
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 13:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1409444-05 20x.D\data.ms

(90) Benzo(b)fluoroanthene

22.574min (-0.006) 0.10 ng/uL

response 12648

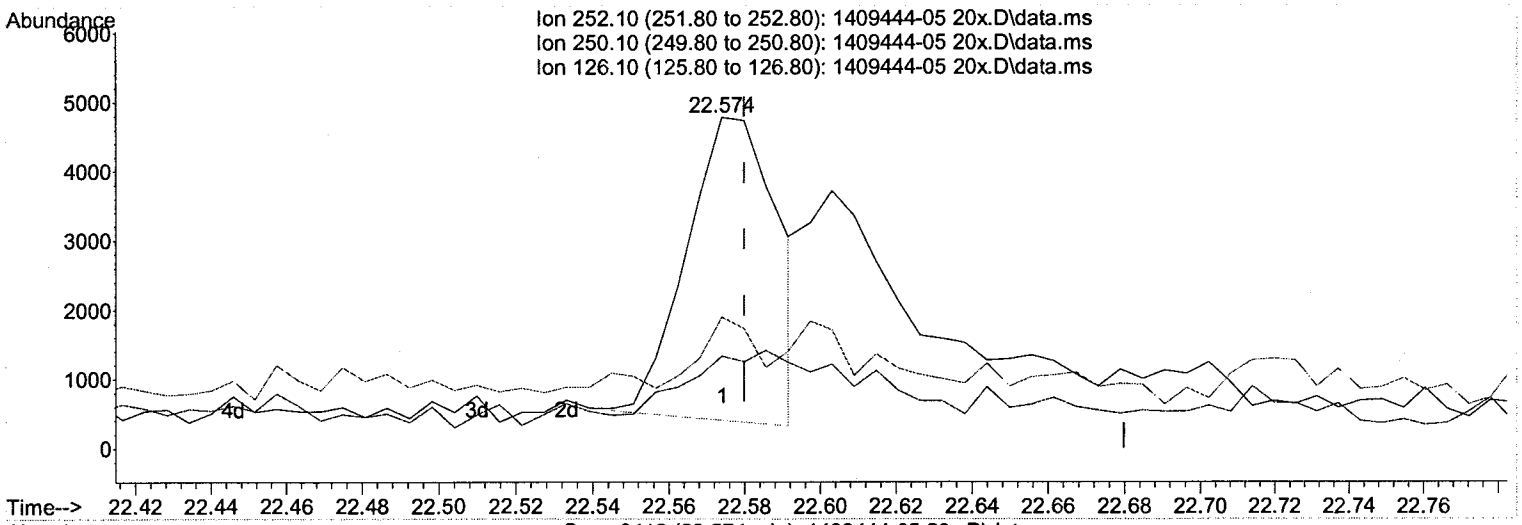
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	0.00#
126.10	17.20	7.87#
0.00	0.00	0.00

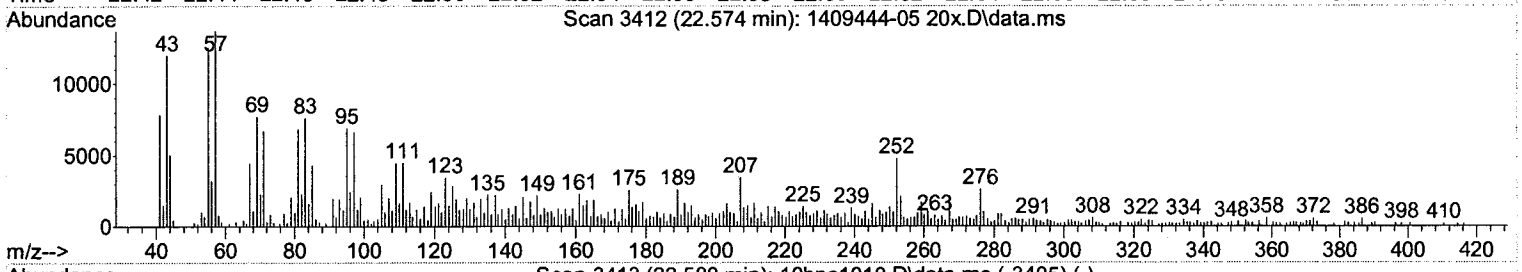
JWS 10/10/14

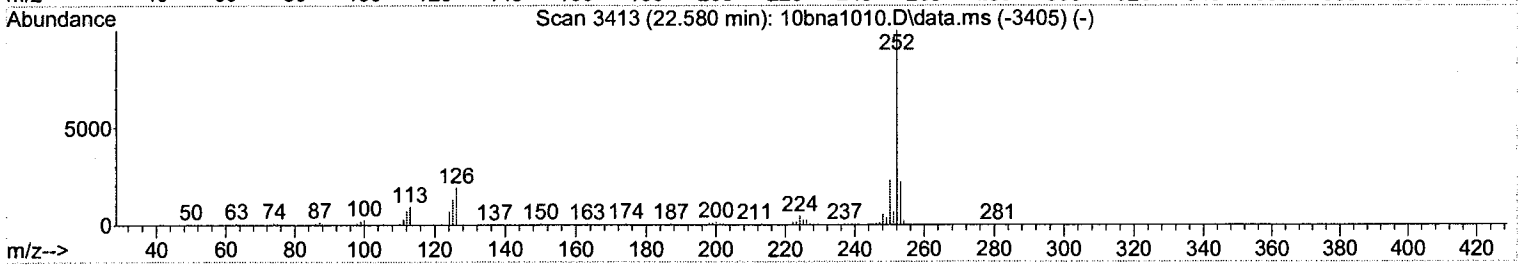
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 13:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1409444-05 20x.D\data.ms

(90) Benzo(b)fluoroanthene

22.574min (-0.006) 0.06 ng/uL m

response 7257

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	0.00#
126.10	17.20	13.71#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/10/14

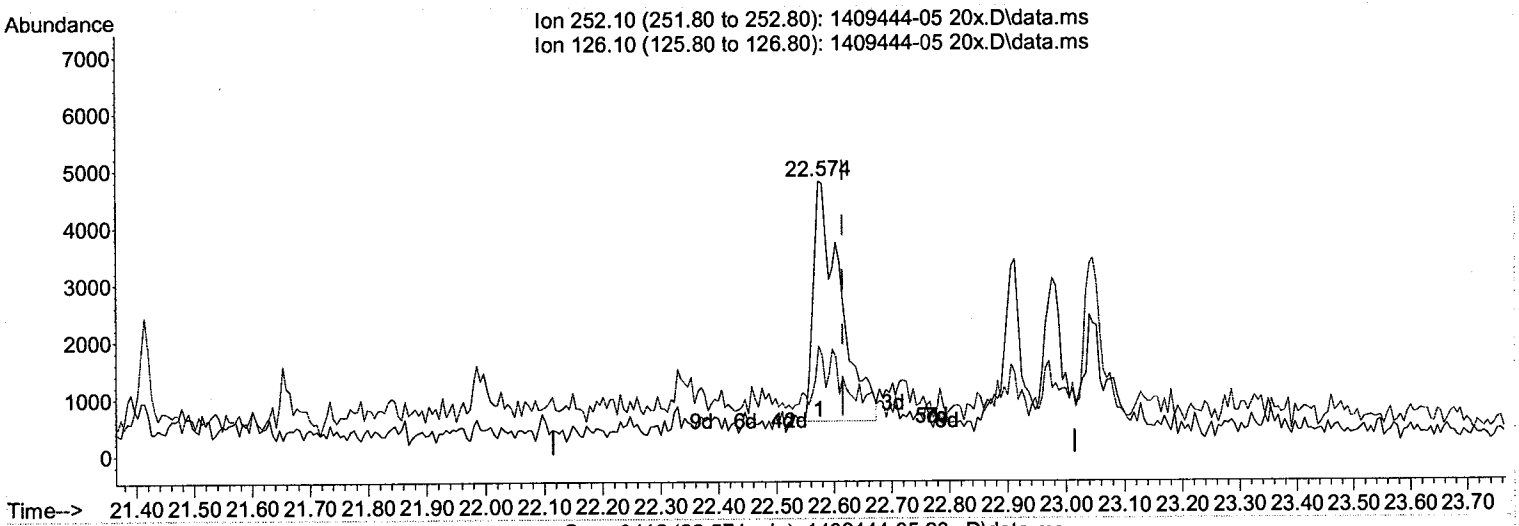
Reviewed By: ASC Date: 10/10/14

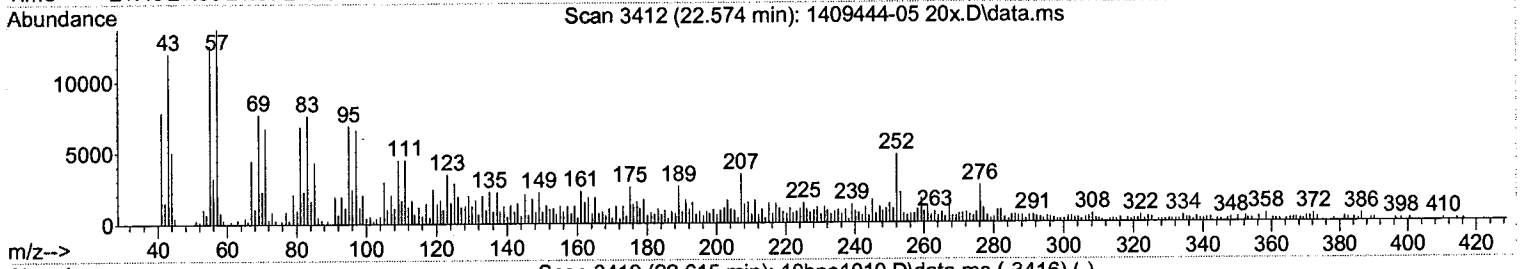
002392

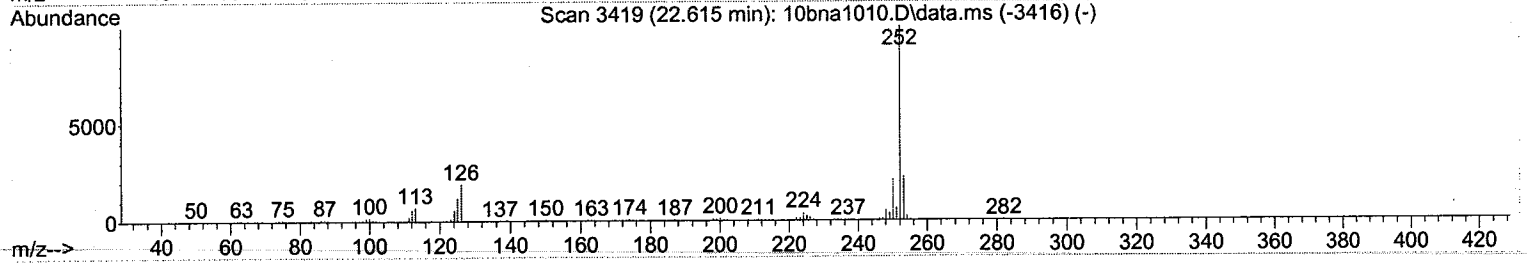
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 13:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1409444-05 20x.D\data.ms

(91) Benzo(k)fluoranthene

22.574min (-0.041) 0.10 ng/uL

response 13428

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	7.50#
0.00	0.00	0.00
0.00	0.00	0.00

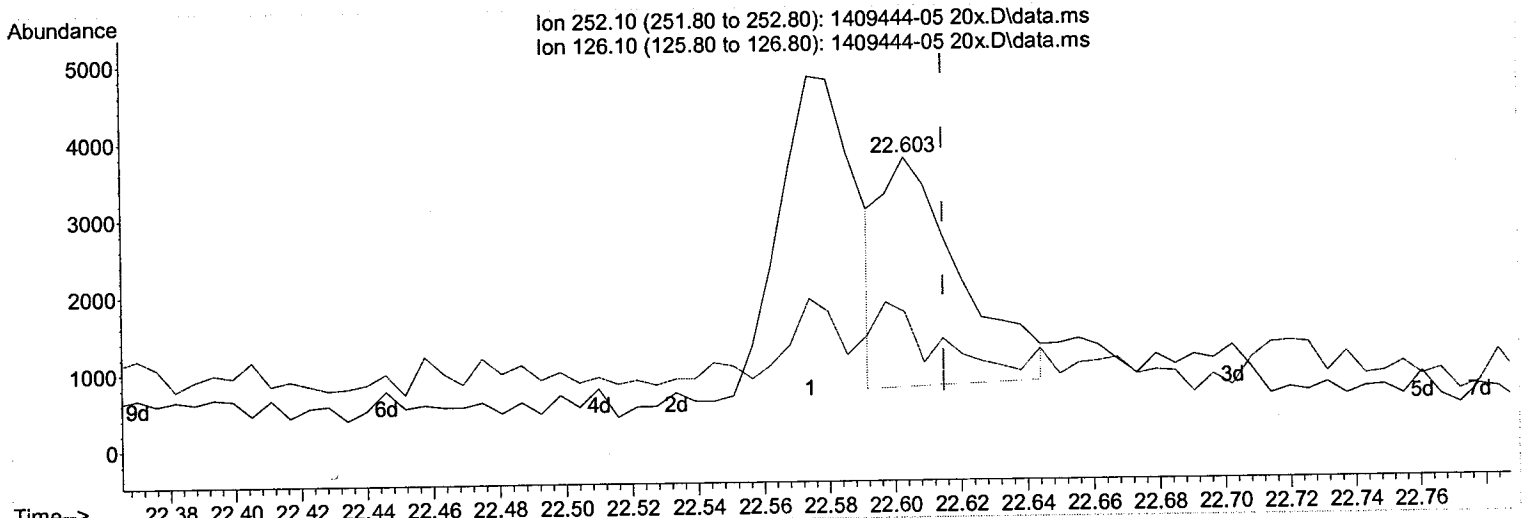
10/10/14

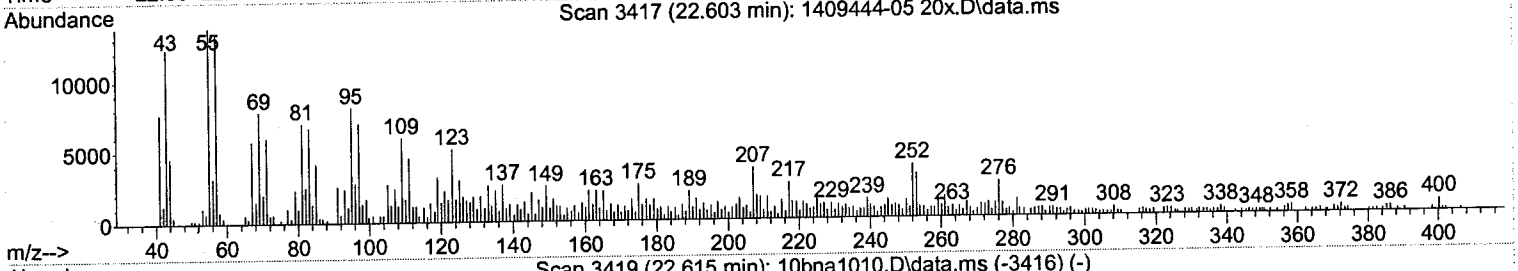
002393

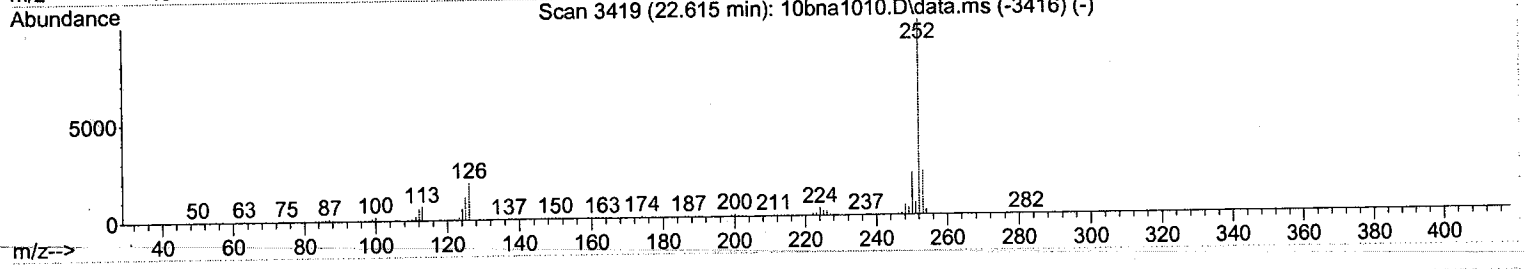
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x
Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 13:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1409444-05 20x.D\data.ms

(91) Benzo(k)fluoranthene

22.603min (-0.012) 0.04 ng/uL m

response 4982

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	20.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Included on Quantitation Report: (Yes) / No

Analyst: JWB Date: 10/10/14

Reviewed By: ASC Date: 10/10/14

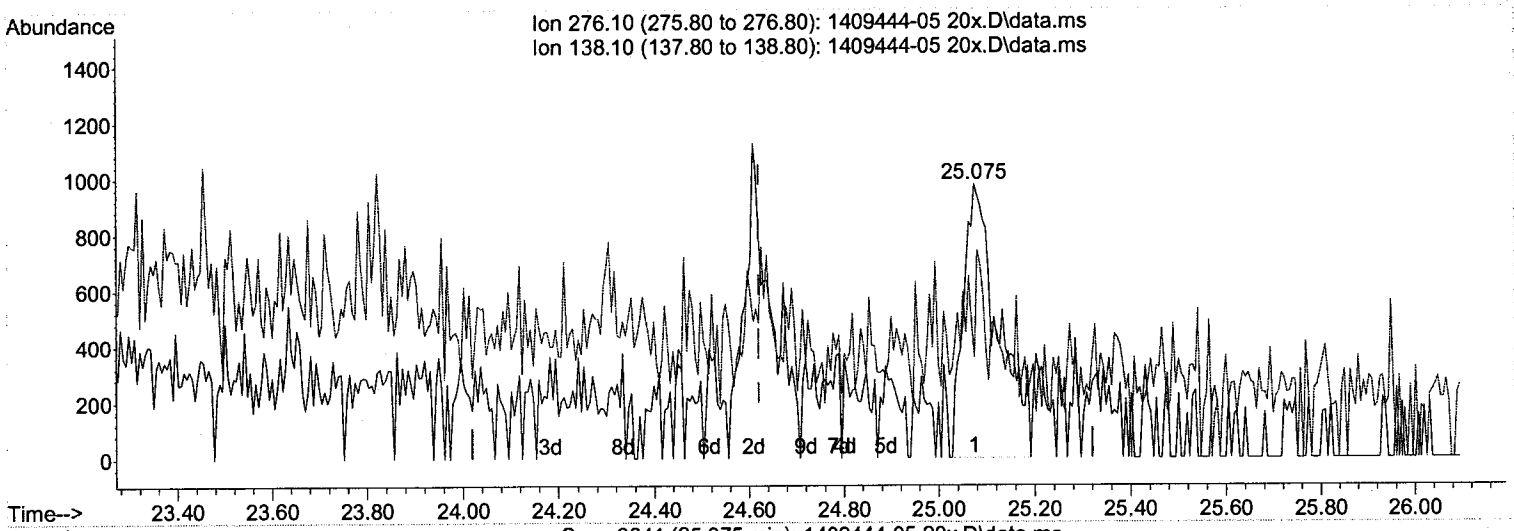
< MDL

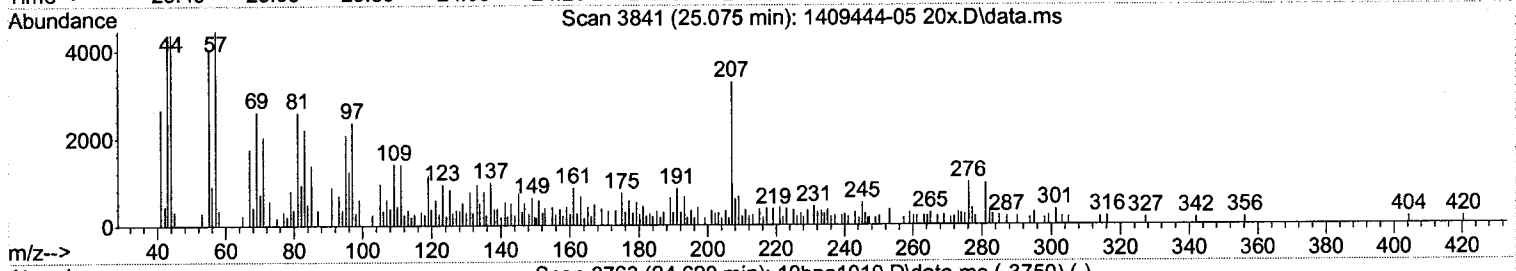
002394

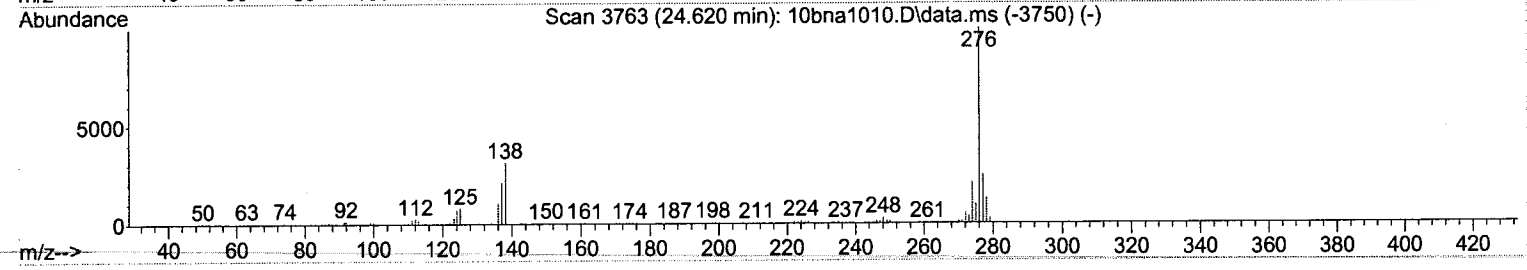
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 13:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1409444-05 20x.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

25.075min (+ 0.455) 0.05 ng/uL

response 4868

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	9.57#
0.00	0.00	0.00
0.00	0.00	0.00

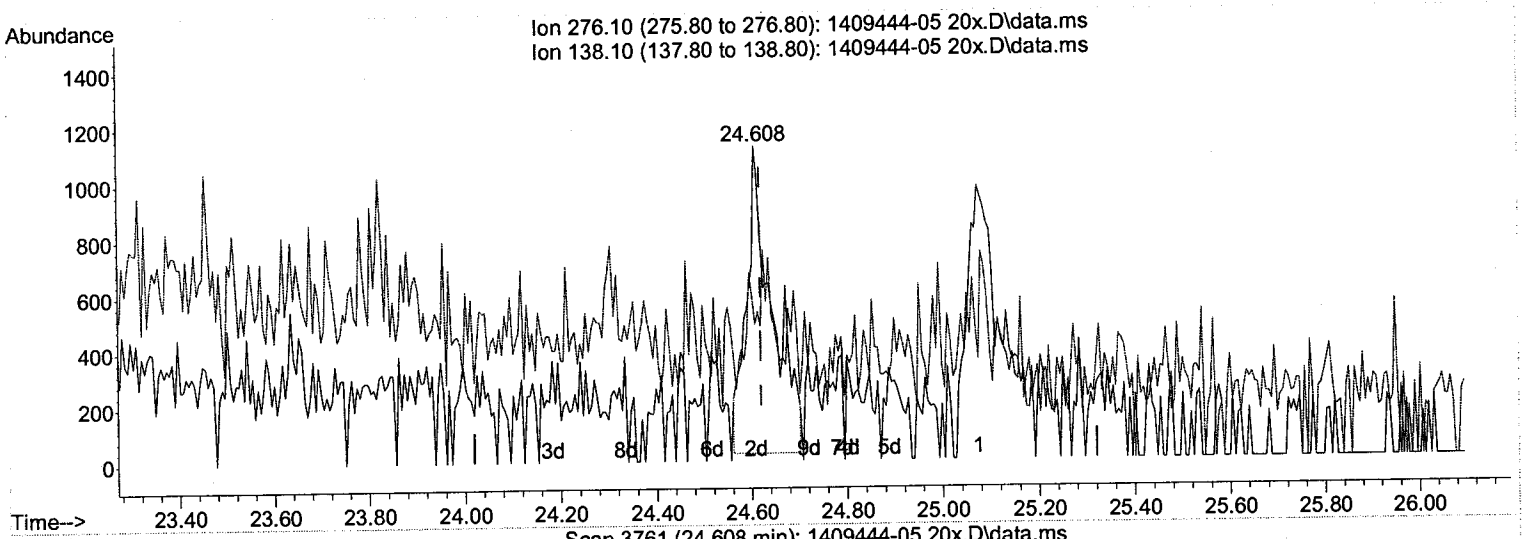
LJS 10/10/14

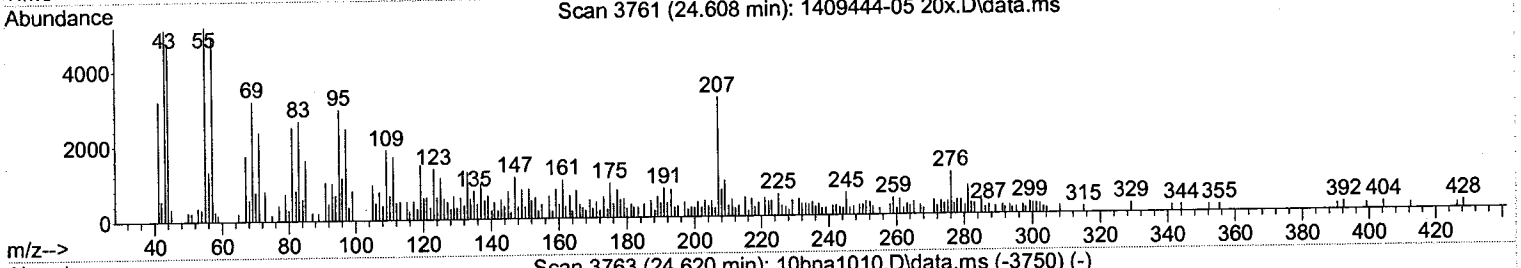
002395

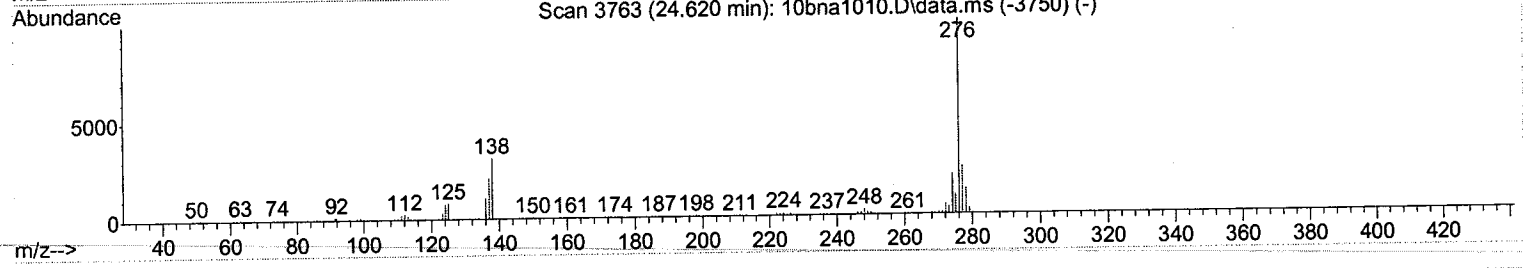
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x
Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 13:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1409444-05 20x.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.608min (-0.012) 0.04 ng/uL m

response 4127

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	11.29#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/10/14

Reviewed By: ACC Date: 10/10/14

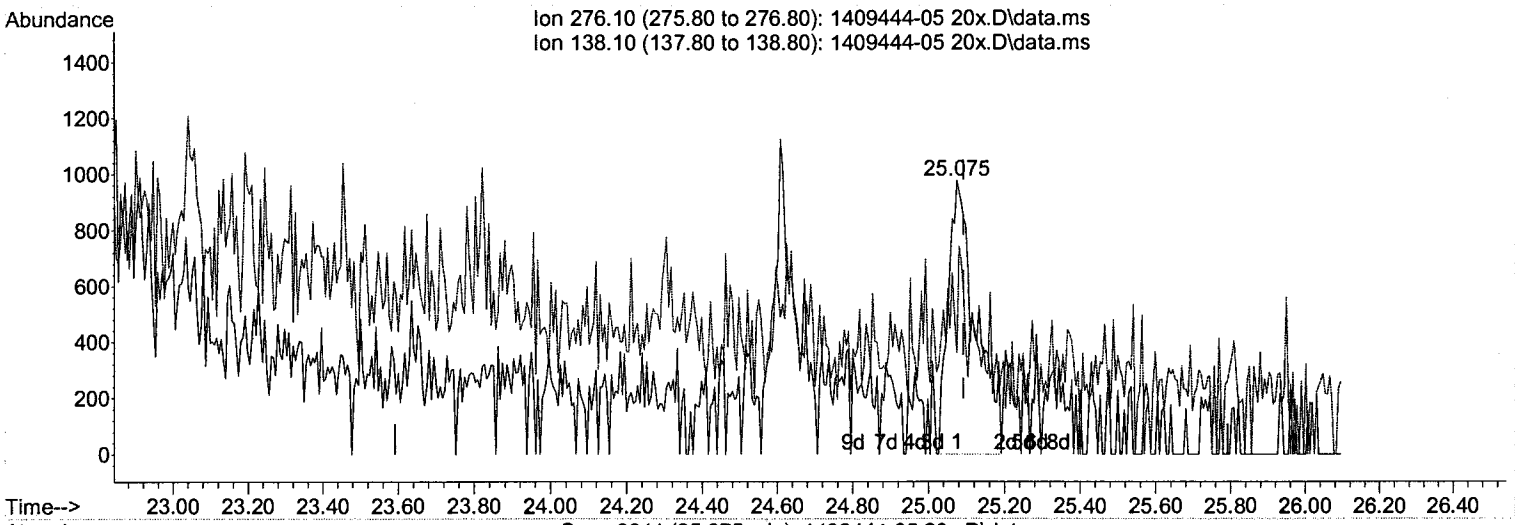
MDL

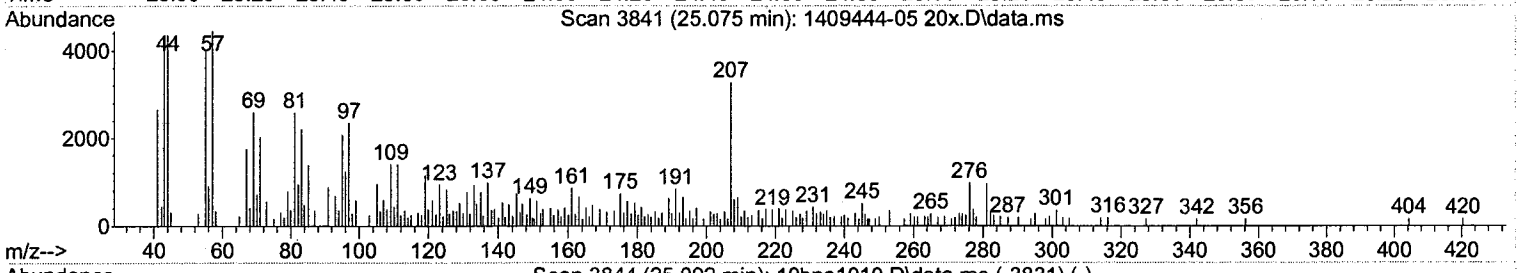
002396

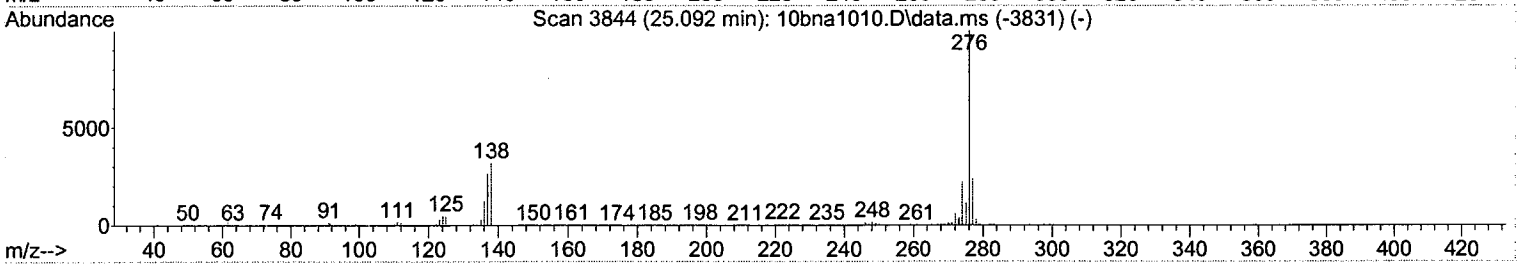
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409444-05 20x.D
Acq On : 10 Oct 2014 10:55
Operator : JLB
Sample : 1409444-05 20x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 13:04:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1409444-05 20x.D\data.ms

(95) Benzo(g,h,i)Perylene

25.075min (-0.017) 0.06 ng/uL

response 4868

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	9.53#
0.00	0.00	0.00
0.00	0.00	0.00

002397

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB24-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-06 File ID: 1409444-06.D

Sampled: 09/24/14 13:55 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 18:10

Solids: 96.70 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	8.6	2.0	8.6	17	U
207-08-9	Benzo(k)fluoranthene	1	8.6	2.0	8.6	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.6	2.0	8.6	34	U
65-85-0	Benzoic Acid	1	170	72	170	340	U
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB24-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-06 File ID: 1409444-06.D

Sampled: 09/24/14 13:55 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 18:10

Solids: 96.70 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	120	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	713	316	44	33 - 113	
Phenol-d6	713	231	32	30 - 115	
Nitrobenzene-d5	357	252	71	33 - 131	
2-Fluorobiphenyl	357	307	86	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB24-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-06
File ID: 1409444-06.D
Sampled: 09/24/14 13:55
Prepared: 09/30/14 07:32
Analyzed: 10/07/14 18:10
Solids: 96.70
Preparation: 3550C Sonication Extract
Initial/Final: 29 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	713	353	50	12 - 124	
o-Terphenyl	357	327	92	20 - 155	

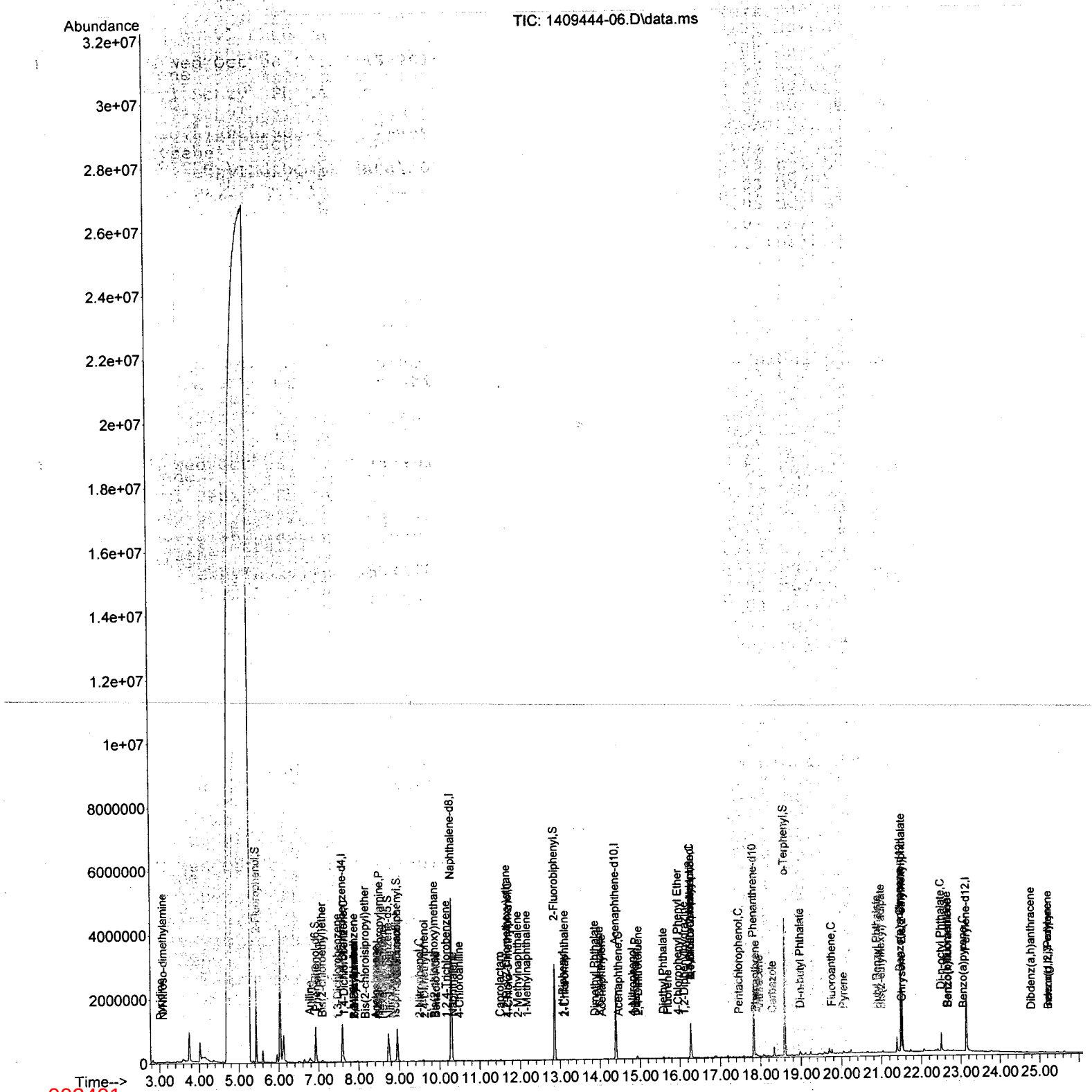
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	430381	7.602	403279	7.614	
Naphthalene-d8	1534704	10.295	1529030	10.359	
Acenaphthene-d10	958433	14.393	866604	14.474	
Phenanthrene-d10	1526899	17.831	1400442	17.901	
Chrysene-d12	1270681	21.486	1153654	21.538	
Perylene-d12	1069640	23.147	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-06.D
Acq On : 7 Oct 2014 18:10
Operator : JLB
Sample : 1409444-06
Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 08:17:28 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-06.D
Acq On : 7 Oct 2014 18:10
Operator : JLB
Sample : 1409444-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 08:17:28 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.602	152	430381	5.00 ng/uL	# 0.05
20) Naphthalene-d8	10.295	136	1534704	5.00 ng/uL	0.00
42) Acenaphthene-d10	14.393	164	958433	5.00 ng/uL	-0.01
66) Phenanthrene-d10	17.831	188	1526899	5.00 ng/uL	0.00
81) Chrysene-d12	21.486	240	1270681	5.00 ng/uL	# 0.00
89) Perylene-d12	23.147	264	1069640	5.00 ng/uL	# 0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.440	112	870096	8.85 ng/uL	0.30
6) Phenol-d6	6.926	99	823196	6.47 ng/uL	0.07
21) Nitrobenzene-d5	8.733	82	692660	7.06 ng/uL	0.00
23) Decafluorobiphenyl	8.954	334	574649	8.35 ng/uL	0.00
47) 2-Fluorobiphenyl	12.866	172	1703532	8.60 ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.275	330	229407	9.91 ng/uL	-0.02
78) o-Terphenyl	18.601	230	1200770	9.17 ng/uL	-0.01
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	3.097	74	326	0.01 ng/uL	93
3) Pyridine	3.033	79	149	0.00 ng/uL	90
5) Aniline	6.780	93	3506	0.26 ng/uL	98
7) Phenol	6.949	94	1313	0.01 ng/uL#	1
8) Bis(2-chloroethyl)ether	7.095	93	139	0.00 ng/uL#	1
9) 2-Chlorophenol	0.000		0	N.D.	
10) 1,3-Dichlorobenzene	7.480	146	2407	0.02 ng/uL#	1
11) 1,4-Dichlorobenzene	7.643	146	1222	0.01 ng/uL#	71
12) 1,2-Dichlorobenzene	7.894	146	283	0.00 ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.168	45	212	0.00 ng/uL#	51
14) Benzyl Alcohol	7.894	108	376	0.01 ng/uL#	1
15) 2-Methylphenol	7.894	108	376	0.00 ng/uL#	55
16) Acetophenone	8.424	105	973	0.01 ng/uL#	78
17) Hexachloroethane	8.605	119	105	0.00 ng/uL#	3
18) 4-Methylphenol	8.477	108	125	0.00 ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.523	70	454	0.01 ng/uL	85
22) Nitrobenzene	8.797	77	139	0.00 ng/uL#	1
24) Isophorone	8.914	82	479	0.00 ng/uL	100
25) 2-Chloroaniline	8.949	127	6956	0.06 ng/uL#	61
26) 2-Nitrophenol	9.508	139	58	0.00 ng/uL#	1
27) 2,4-Dimethylphenol	9.631	107	66	0.00 ng/uL#	18
28) Bis(2-chlorethoxy)methane	9.875	93	70	0.00 ng/uL#	70
29) 2,4-Dichlorophenol	0.000		0	N.D.	
30) Benzoic Acid	9.916	105	127	2.46 ng/uL#	8
31) 1,2,4-Trichlorobenzene	10.179	180	1056	0.01 ng/uL	98
32) Naphthalene	10.342	128	2149	0.01 ng/uL	96
33) 4-Chloroaniline	10.499	127	489	0.01 ng/uL#	69
34) 2,6-Dichlorophenol	0.000		0	N.D.	
35) Hexachlorobutadiene	0.000		0	N.D.	
36) Caprolactam	11.507	55	11003	0.25 ng/uL#	35
37) 1,2-Bis(2-chloroethoxy.::	11.676	63	128	0.00 ng/uL#	100
38) 4-Chloro-3-methylphenol	11.711	107	114	0.00 ng/uL#	14
39) 2-Methylnaphthalene	11.950	142	660	0.00 ng/uL#	57
40) 1-Methylnaphthalene	12.172	142	457	0.00 ng/uL#	75
41) 1,3-Dinitrobenzene	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-06.D
Acq On : 7 Oct 2014 18:10
Operator : JLB
Sample : 1409444-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 08:17:28 2014
Quant Method: C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update: Tue Oct 07 16:02:04 2014
Response via: Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.122	162	516	0.00	ng/uL	90
49) 1,1'-Biphenyl	13.075	154	1054	0.00	ng/uL#	70
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.049	152	3522	0.01	ng/uL#	74
52) 2,6-Dinitrotoluene	13.996	165	910	0.02	ng/uL#	31
53) Dimethyl Phthalate	13.880	163	5573	0.03	ng/uL#	76
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.463	153	1222	0.01	ng/uL	94
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.894	168	752	0.00	ng/uL	99
58) 4-Nitrophenol	14.824	65	134	0.00	ng/uL#	1
59) 2,4-Dinitrotoluene	14.964	165	61	0.00	ng/uL#	1
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.704	166	1967	0.01	ng/uL#	76
63) Diethyl Phthalate	15.593	149	13145	0.07	ng/uL	94
64) 4-Chlorophenyl Phenyl ...	15.961	204	711	0.01	ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.		
67) 4,6-Dinitro-2-methylph...	16.275	198	436	RT 1.00	ng/uL#	1
68) N-Nitroso-diphenylamine	16.275	169	9250	0.05	ng/uL#	40
69) 1,2-Diphenylhydrazine	16.118	182	188	0.00	ng/uL	94
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	17.470	266	472	0.01	ng/uL#	1
75) Phenanthrene	17.878	178	24564	0.08	ng/uL	99
76) Anthracene	17.971	178	6159	0.02	ng/uL#	79
77) Carbazole	18.298	167	2246	0.01	ng/uL#	67
79) Di-n-butyl Phthalate	18.986	149	62093	0.21	ng/uL	97
80) Fluoroanthene	19.767	202	21236	0.08	ng/uL	95
82) Pyrene	20.058	202	20903	0.07	ng/uL	93
83) Butyl Benzyl Phthalate	20.892	149	2989	0.03	ng/uL	82
84) Bis(2-ethylhexyl) adipate	20.996	129	2854	0.09	ng/uL#	100
85) Benzo(a)anthracene	21.474	228	11141	0.05	ng/uL#	32
86) Chrysene	21.509	228	7841	0.03	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.521	149	531851	3.49	ng/uL	93
88) Di-n-octyl Phthalate	22.506	149	193799	RT 1.03	ng/uL	97
90) Benzo(b)fluoroanthene	22.663	252	5485m	0.03	ng/uL	
91) Benzo(k)fluoranthene	22.681	252	4488m	0.02	ng/uL	
92) Benzo(a)pyrene	23.071	252	4694	0.03	ng/uL#	88
93) Indeno(1,2,3-cd)pyrene	25.228	276	3503	0.02	ng/uL	97
94) Dibdenz(a,h)anthracene	24.791	278	1178	0.01	ng/uL#	89
95) Benzo(g,h,i)Perylene	25.228	276	3503	0.03	ng/uL	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-06.D
Acq On : 7 Oct 2014 18:10
Operator : JLB
Sample : 1409444-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 07:56:30 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

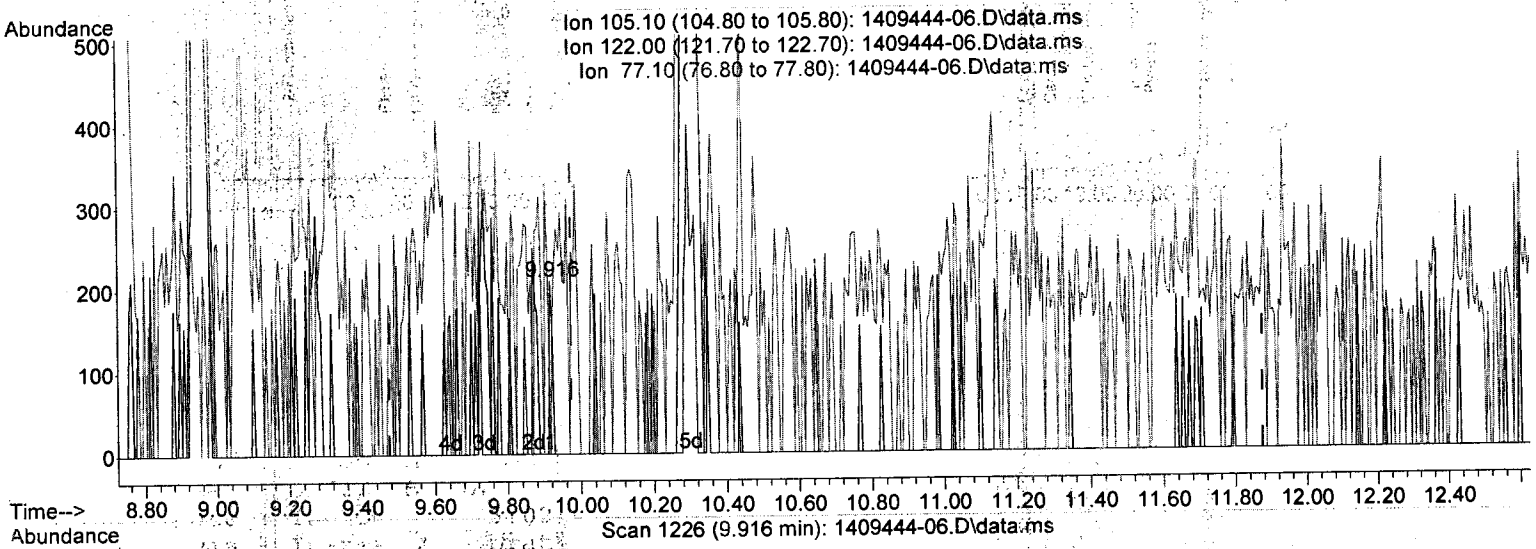
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.602	152	417215	5.00	ng/uL	#	0.05
8) Naphthalene-d8	10.295	136	1534704	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.393	164	954341	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.831	188	1526899	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	1251718	5.00	ng/uL	#	0.00
22) Perylene-d12	23.147	264	1071956	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.213	74	334	0.01	ng/uL	#	1
3) Pyridine	3.033	79	149	0.00	ng/uL		90
4) Aniline	6.780	93	3506	0.02	ng/uL		98
5) Benzaldehyde	6.710	105	235	0.00	ng/uL	#	1
6) Acetophenone	8.424	105	973	0.01	ng/uL	#	78
7) N-Nitroso-di-n-propyla...	8.523	70	454	0.01	ng/uL		85
9) 4-Chloroaniline	10.581	127	378	0.01	ng/uL		92
10) Caprolactam	11.472	55	793	0.11	ng/uL		94
12) 1,1'-Biphenyl	13.075	154	1054	0.00	ng/uL	#	70
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.722	138	58	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.275	169	9250	0.05	ng/uL	#	40
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.011	184	179	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.608	252	224	0.00	ng/uL		96

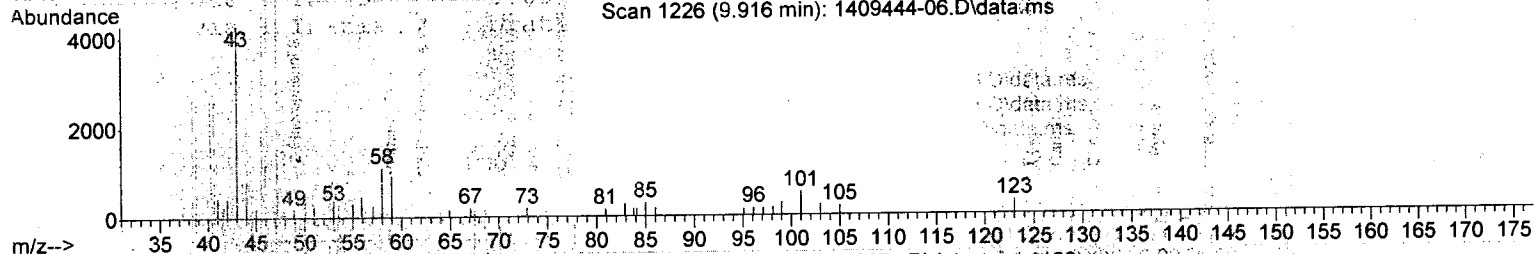
(#) = qualifier out of range (m) = manual integration (+) = signals summed

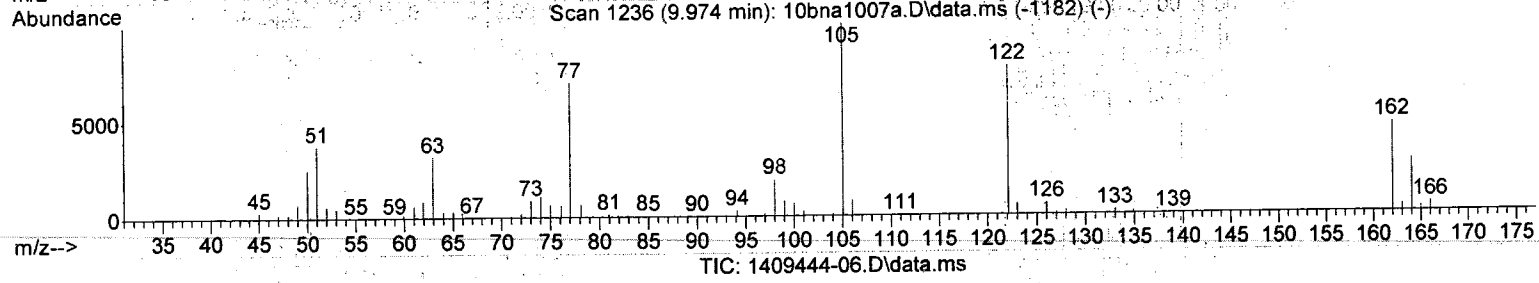
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-06.D
Acq On : 7 Oct 2014 18:10
Operator : JLB
Sample : 1409444-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 08:15:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-06.D\data.ms

(30) Benzoic Acid

9.916min (-0.058) 2.46 ng/uL

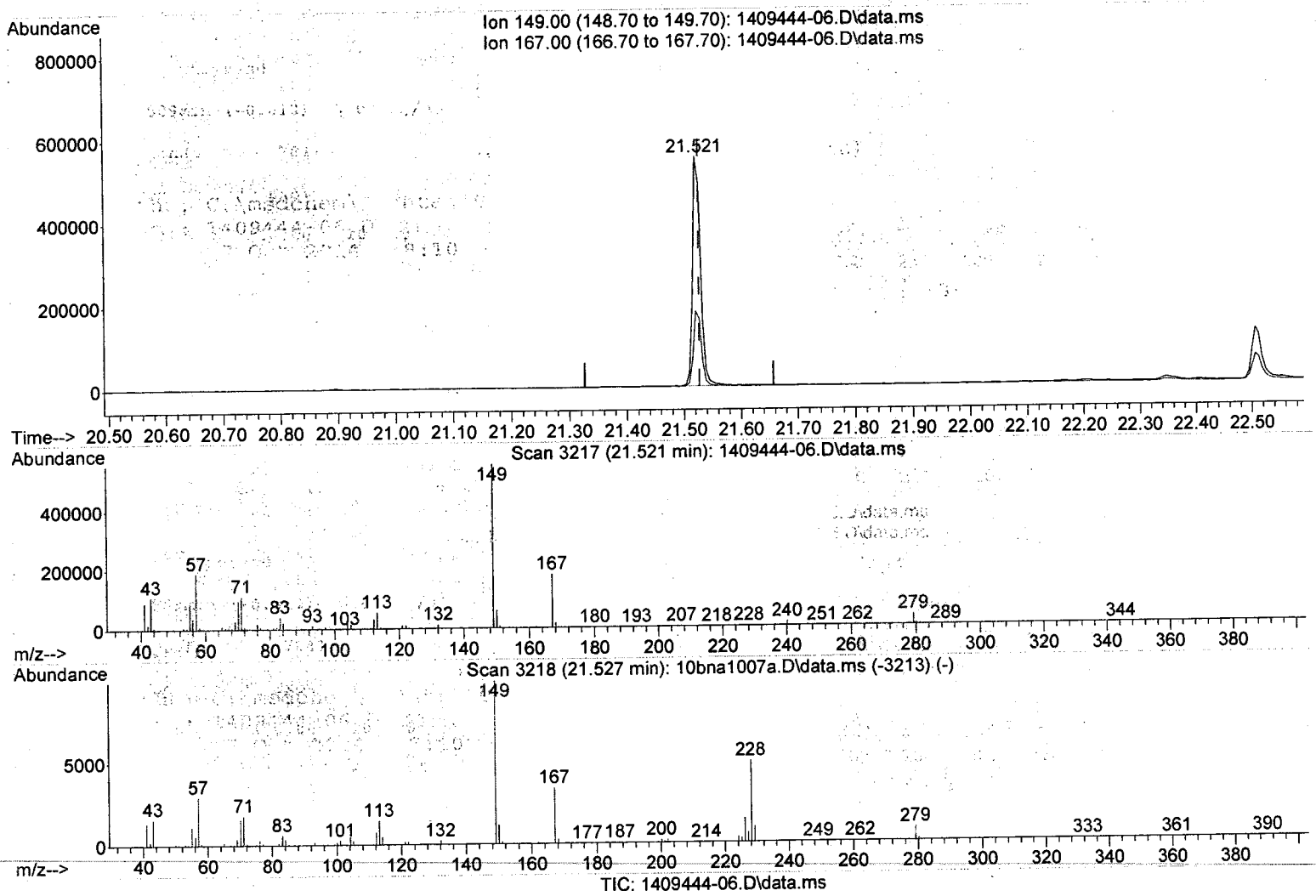
response 127

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	153.54#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-06.D
Acq On : 7 Oct 2014 18:10
Operator : JLB
Sample : 1409444-06
Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 08:15:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.521min (-0.006) 3.49 ng/uL

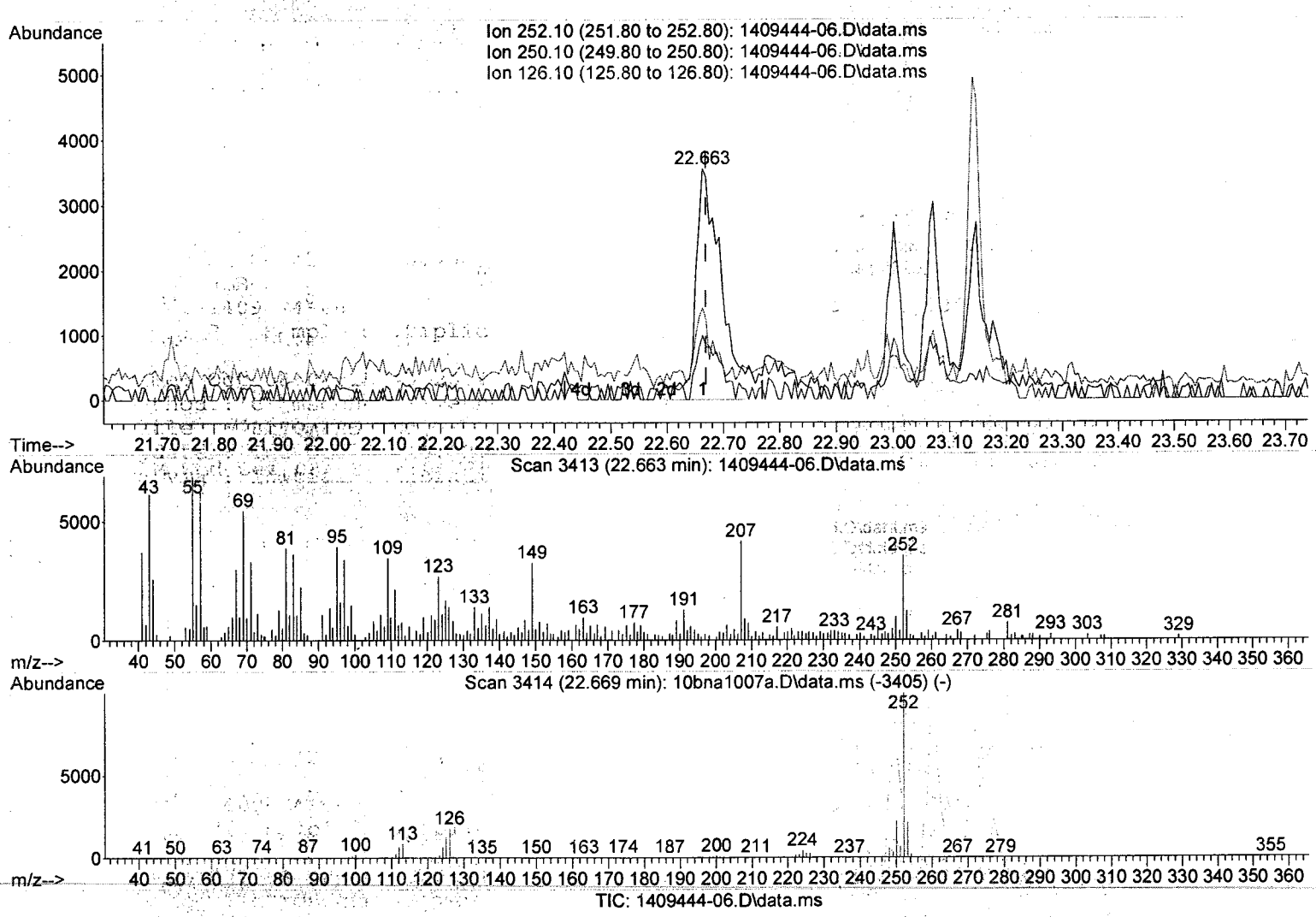
response 531851

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-06.D
Acq On : 7 Oct 2014 18:10
Operator : JLB
Sample : 1409444-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 08:15:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.663min (-0.006) 0.06 ng/uL

response 10823

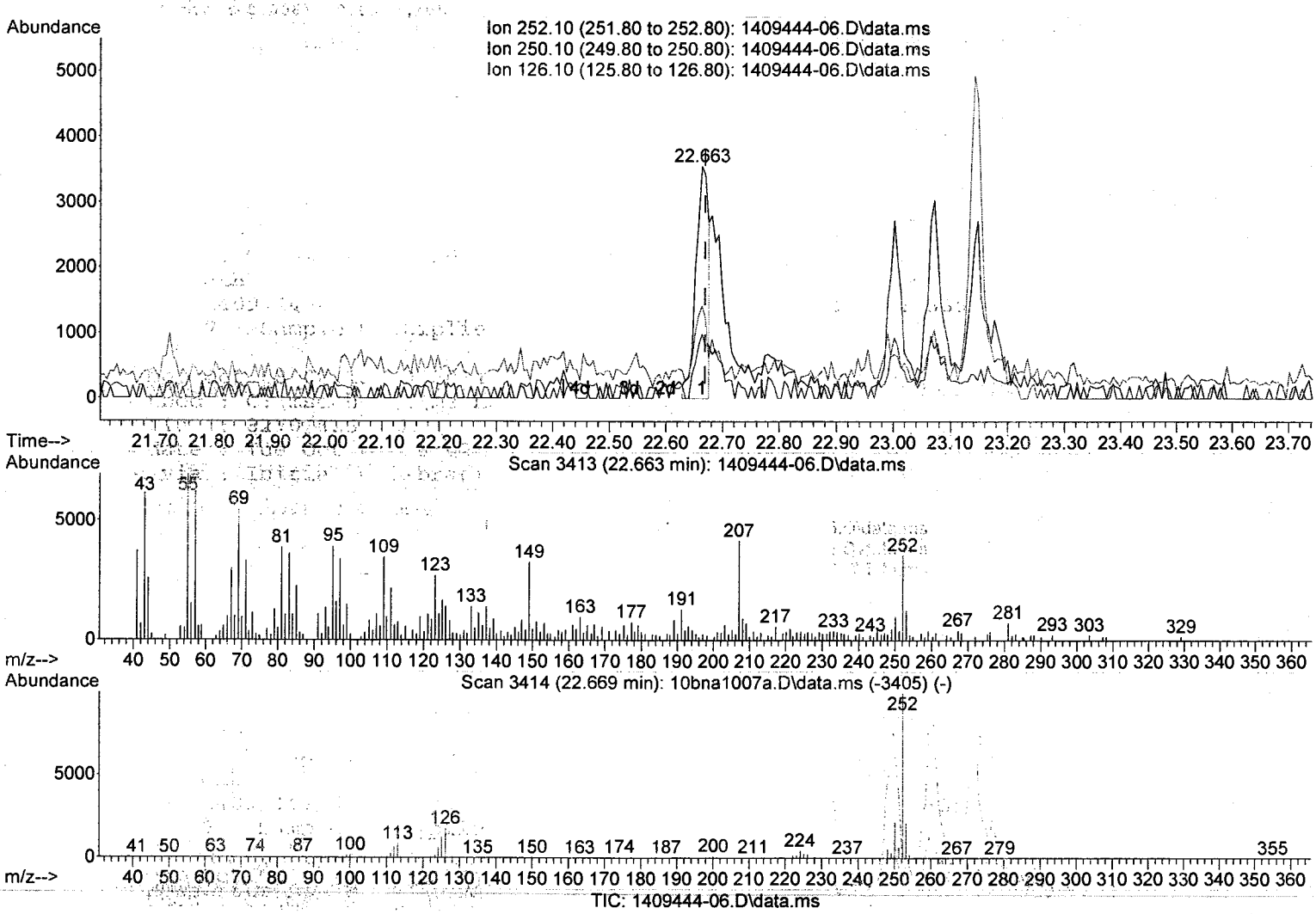
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	24.87
126.10	17.20	22.94#
0.00	0.00	0.00

JLB 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-06.D
Acq On : 7 Oct 2014 18:10
Operator : JLB
Sample : 1409444-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 08:15:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409444-06.D\data.ms

(90) Benzo(b)fluoroanthene

22.663min (-0.006) 0.03 ng/uL m

response 5485

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	49.08#
126.10	17.20	45.27#
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 10/9/14
Reviewed By: ASC Date: 10/10/14

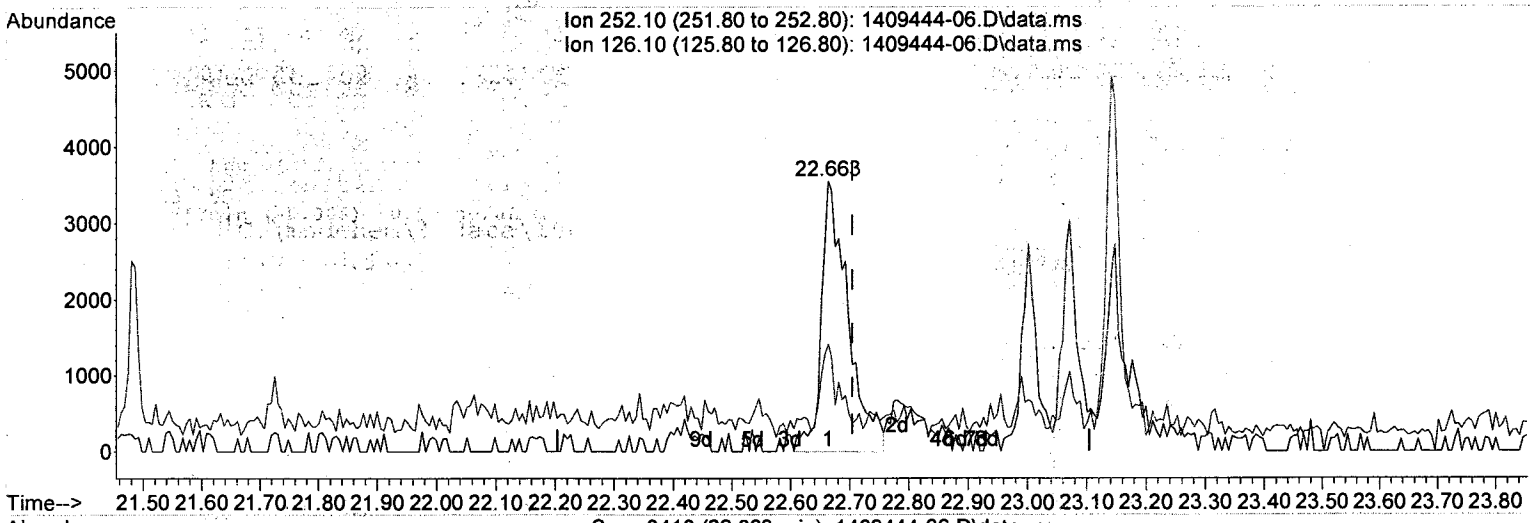
< MDL

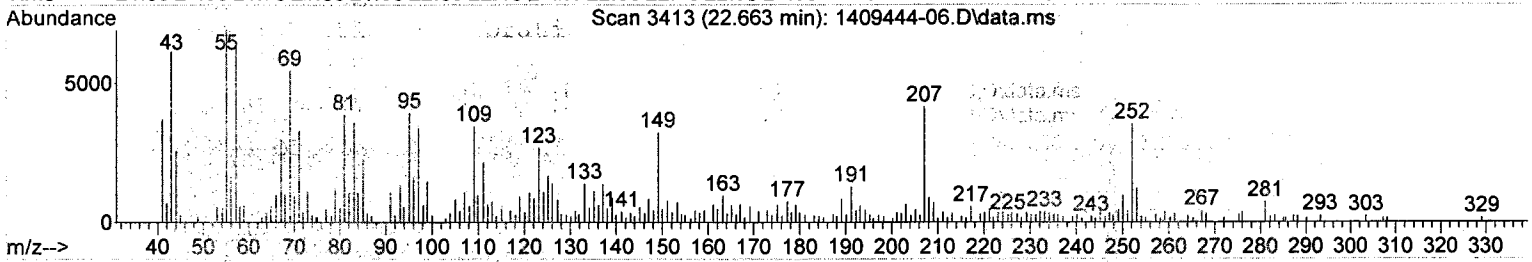
002408

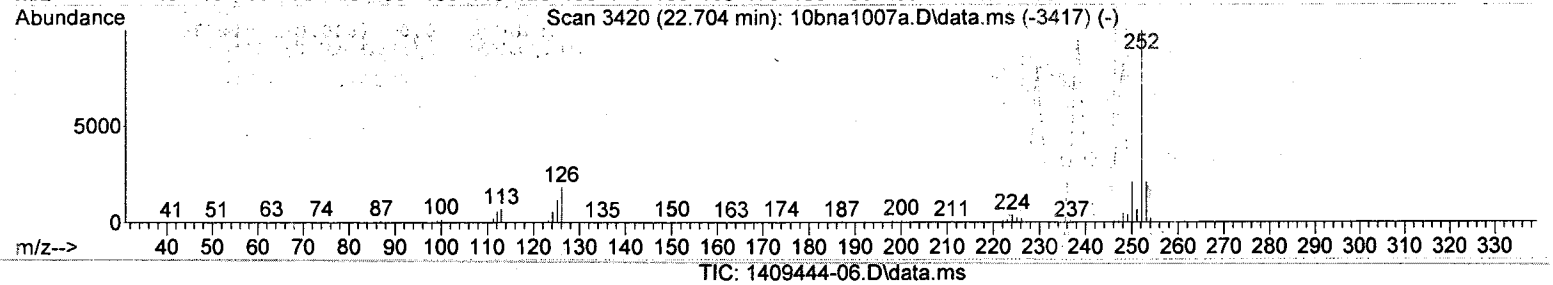
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-06.D
Acq On : 7 Oct 2014 18:10
Operator : JLB
Sample : 1409444-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 08:15:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-06.D\data.ms

(91) Benzo(k)fluoranthene

22.663min (-0.041) 0.05 ng/uL

response 11220

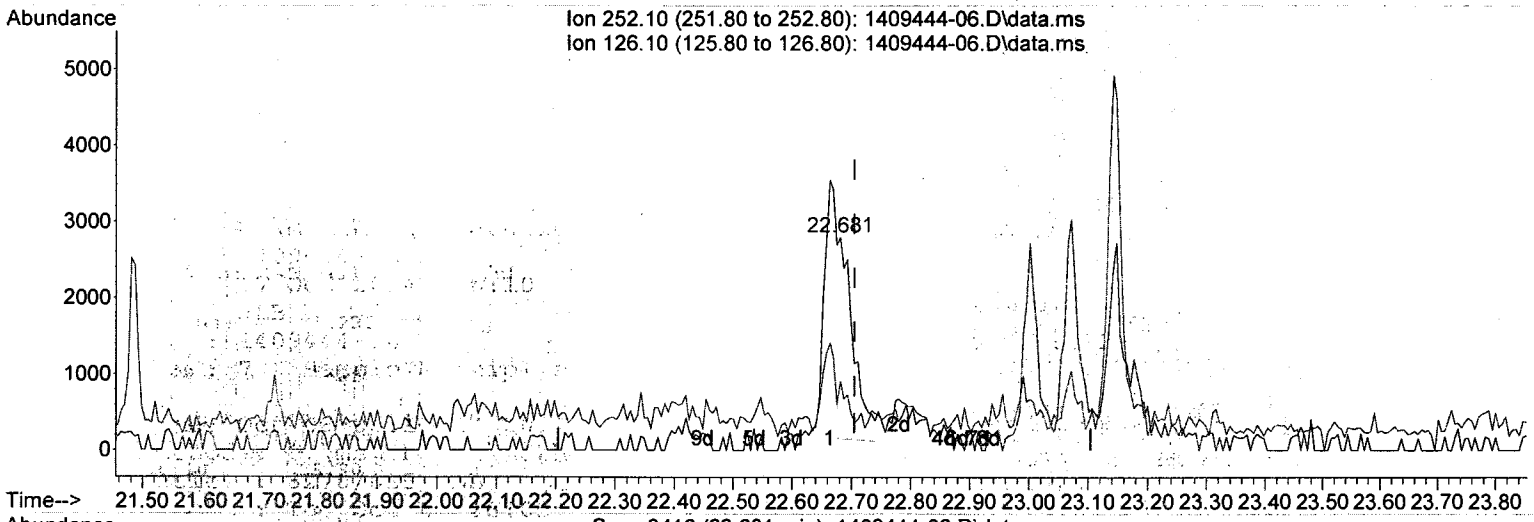
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	22.13
0.00	0.00	0.00
0.00	0.00	0.00

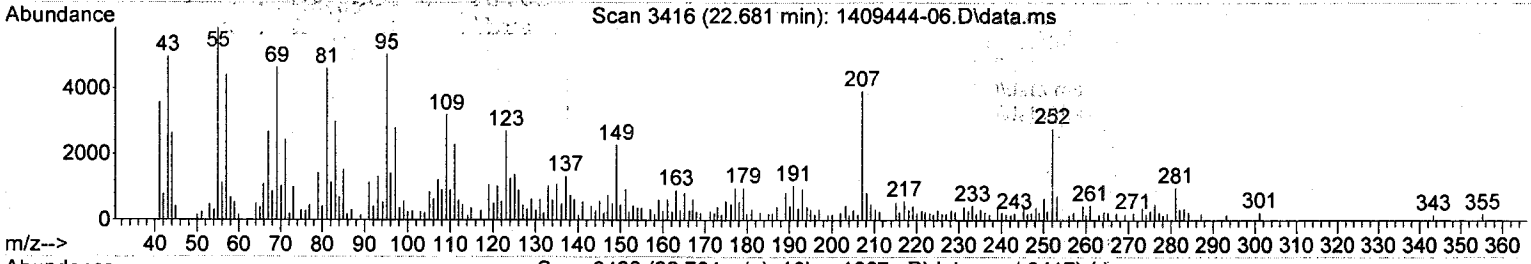
JLB 10/9/14

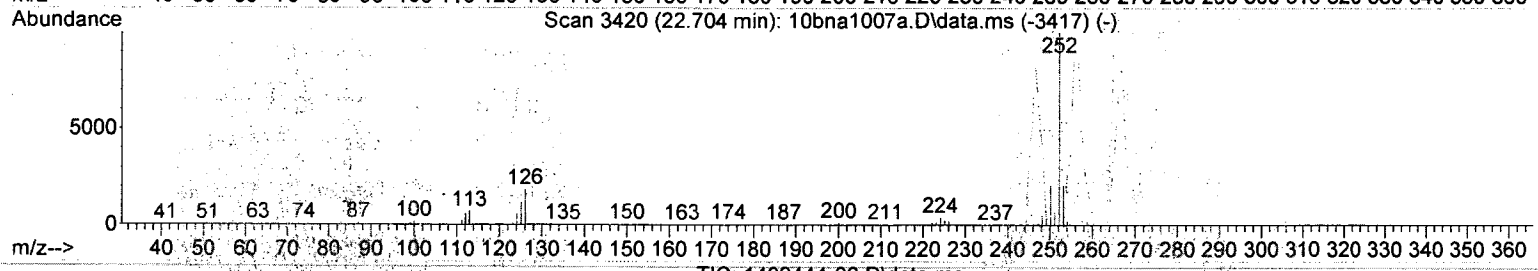
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-06.D
Acq On : 7 Oct 2014 18:10
Operator : JLB
Sample : 1409444-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 08:15:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-06.D\data.ms

(91) Benzo(k)fluoranthene

22.681min (-0.023) 0.02 ng/uL m

response 4488

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	55.33#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/9/14

Reviewed By: HSC Date: 10/10/14

<MDL

002410

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB21-5

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-07 File ID: 1409444-07.D

Sampled: 09/24/14 10:00 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 18:43

Solids: 96.54 Preparation: 3550C Sonication Extract Initial/Final: 30.3 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.2	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	8.6	2.0	8.6	17	U
207-08-9	Benzo(k)fluoranthene	1	8.6	2.0	8.6	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.6	2.0	8.6	34	U
65-85-0	Benzoic Acid	1	88	72	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.2	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB21-5

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-07 File ID: 1409444-07.D

Sampled: 09/24/14 10:00 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 18:43

Solids: 96.54 Preparation: 3550C Sonication Extract Initial/Final: 30.3 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	60	12	17	34	**B**
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.7	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	684	380	56	33 - 113	
Phenol-d6	684	238	35	30 - 115	
Nitrobenzene-d5	342	246	72	33 - 131	
2-Fluorobiphenyl	342	289	85	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB21-5

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-07
File ID: 1409444-07.D
Sampled: 09/24/14 10:00
Prepared: 09/30/14 07:32
Analyzed: 10/07/14 18:43
Solids: 96.54
Preparation: 3550C Sonication Extract
Initial/Final: 30.3 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	684	575	84	12 - 124	
o-Terphenyl	342	301	88	20 - 155	

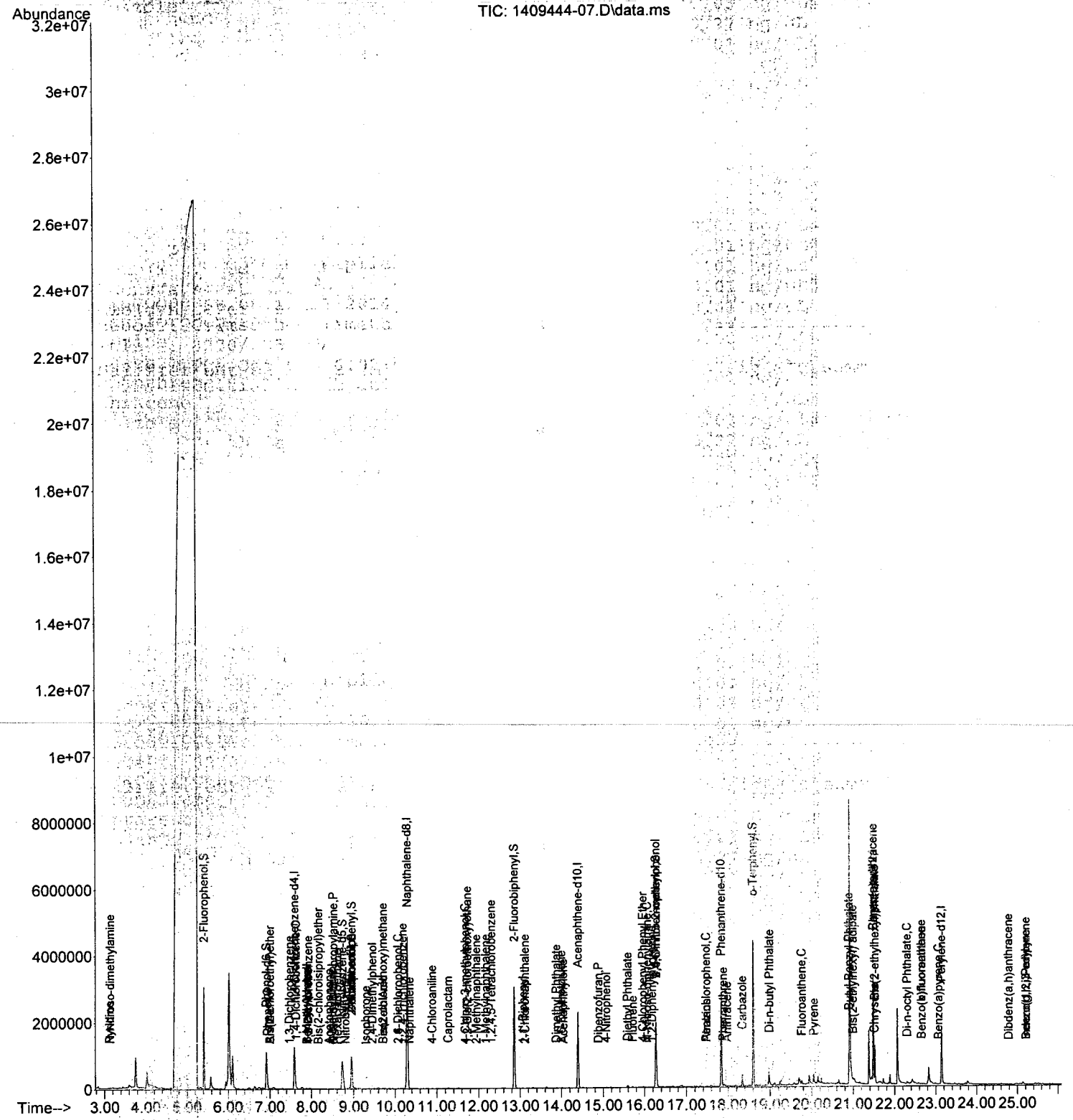
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	428441	7.596	403279	7.614	
Naphthalene-d8	1561682	10.295	1529030	10.359	
Acenaphthene-d10	977848	14.398	866604	14.474	
Phenanthrene-d10	1608296	17.837	1400442	17.901	
Chrysene-d12	1358108	21.486	1153654	21.538	
Perylene-d12	994872	23.141	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-07.D
Acq On : 7 Oct 2014 18:43
Operator : JLB
Sample : 1409444-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 08:18:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



002414

100414bna.M Wed Oct 08 08:19:36 2014 339

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-07.D
Acq On : 7 Oct 2014 18:43
Operator : JLB
Sample : 1409444-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 08:18:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.596	152	428441	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.295	136	1561682	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	977848	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.837	188	1608296	5.00	ng/uL	0.00
81) Chrysene-d12	21.486	240	1358108	5.00	ng/uL	# 0.00
89) Perylene-d12	23.141	264	994872	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.416	112	1088795	11.12	ng/uL	0.28
6) Phenol-d6	6.920	99	881027	6.95	ng/uL	0.06
21) Nitrobenzene-d5	8.733	82	719712	7.21	ng/uL	0.00
23) Decafluorobiphenyl	8.954	334	571454	8.16	ng/uL	0.00
47) 2-Fluorobiphenyl	12.865	172	1709038	8.46	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	410087	16.81	ng/uL	-0.01
78) o-Terphenyl	18.601	230	1212036	8.79	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.143	74	180	0.00	ng/uL#	1
3) Pyridine	3.126	79	575	0.01	ng/uL#	56
5) Aniline	7.008	93	607	0.23	ng/uL#	1
7) Phenol	6.949	94	2146	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.008	93	607	0.01	ng/uL#	1
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.474	146	2738	0.02	ng/uL#	7
11) 1,4-Dichlorobenzene	7.631	146	1232	0.01	ng/uL#	63
12) 1,2-Dichlorobenzene	7.928	146	2776	0.02	ng/uL#	80
13) Bis(2-chloroisipropyl)...	8.167	45	1302	0.01	ng/uL#	51
14) Benzyl Alcohol	7.899	108	736	0.01	ng/uL#	1
15) 2-Methylphenol	7.899	108	736	0.01	ng/uL#	1
16) Acetophenone	8.418	105	1495	0.01	ng/uL#	67
17) Hexachloroethane	8.616	119	142	0.00	ng/uL#	3
18) 4-Methylphenol	8.494	108	54	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.523	70	593	0.01	ng/uL	94
22) Nitrobenzene	8.809	77	122	0.00	ng/uL#	1
24) Isophorone	9.298	82	903	0.00	ng/uL#	85
25) 2-Chloroaniline	8.948	127	6895	0.05	ng/uL#	63
26) 2-Nitrophenol	8.960	139	1490	0.03	ng/uL#	27
27) 2,4-Dimethylphenol	9.456	107	160	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.712	93	61	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	10.073	162	155	0.00	ng/uL#	1
30) Benzoic Acid	9.718	105	10422m	2.58	ng/uL	
31) 1,2,4-Trichlorobenzene	10.184	180	1205	0.01	ng/uL	96
32) Naphthalene	10.347	128	1977	0.01	ng/uL#	1
33) 4-Chloroaniline	10.889	127	635	0.01	ng/uL#	41
34) 2,6-Dichlorophenol	10.073	162	155	0.00	ng/uL#	37
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.274	55	8851	0.20	ng/uL#	47
37) 1,2-Bis(2-chloroethoxy...	11.735	63	125	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.688	107	559	0.01	ng/uL#	21
39) 2-Methylnaphthalene	11.950	142	477	0.00	ng/uL#	52
40) 1-Methylnaphthalene	12.172	142	356	0.00	ng/uL	91
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-07.D
Acq On : 7 Oct 2014 18:43
Operator : JLB
Sample : 1409444-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 08:18:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.306	216	68	0.00	ng/uL#	81
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.122	162	464	0.00	ng/uL	94
49) 1,1'-Biphenyl	13.075	154	812	0.00	ng/uL#	76
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.043	152	459	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.002	165	770	0.02	ng/uL#	17
53) Dimethyl Phthalate	13.879	163	6987	0.03	ng/uL#	80
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	0.000		0	N.D.		
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.882	168	155	0.00	ng/uL#	37
58) 4-Nitrophenol	15.074	65	317	0.01	ng/uL#	6
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.716	166	56	0.00	ng/uL#	1
63) Diethyl Phthalate	15.593	149	11883	0.06	ng/uL	91
64) 4-Chlorophenyl Phenyl ...	15.960	204	469	0.00	ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.		
67) 4,6-Dinitro-2-methylph...	16.275	198	1116	1.01	ng/uL#	1
68) N-Nitroso-diphenylamine	16.065	169	161	0.00	ng/uL#	26
69) 1,2-Diphenylhydrazine	16.182	182	1936	0.03	ng/uL#	61
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.476	200	129	0.00	ng/uL#	25
74) Pentachlorophenol	17.470	266	995	0.03	ng/uL#	1
75) Phenanthrene	17.878	178	4683	0.02	ng/uL#	85
76) Anthracene	17.977	178	668	0.00	ng/uL#	64
77) Carbazole	18.338	167	7801	0.03	ng/uL#	68
79) Di-n-butyl Phthalate	18.985	149	83192	0.27	ng/uL	98
80) Fluoroantnene	19.766	202	3635	0.01	ng/uL#	64
82) Pyrene	20.058	202	3709	0.01	ng/uL#	1
83) Butyl Benzyl Phthalate	20.897	149	10091	0.08	ng/uL	93
84) Bis(2-ethylhexyl) adipate	20.996	129	4223	0.10	ng/uL#	100
85) Benzo(a)anthracene	21.486	228	4997	0.02	ng/uL#	1
86) Chrysene	21.509	228	1430	0.01	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.521	149	287020	1.76	ng/uL	89
88) Di-n-octyl Phthalate	22.302	149	44228	0.49	ng/uL#	75
90) Benzo(b)fluoroanthene	22.657	252	3028	0.02	ng/uL#	79
91) Benzo(k)fluoranthene	22.657	252	3028	0.01	ng/uL#	87
92) Benzo(a)pyrene	23.071	252	1121	0.01	ng/uL#	86
93) Indeno(1,2,3-cd)pyrene	25.216	276	1034	0.01	ng/uL	98
94) Dibenz(a,h)anthracene	24.785	278	946	0.01	ng/uL#	15
95) Benzo(g,h,i)Perylene	25.216	276	1034	0.01	ng/uL	94

(#) = qua[illegible] of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-07.D
Acq On : 7 Oct 2014 18:43
Operator : JLB
Sample : 1409444-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 07:56:53 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

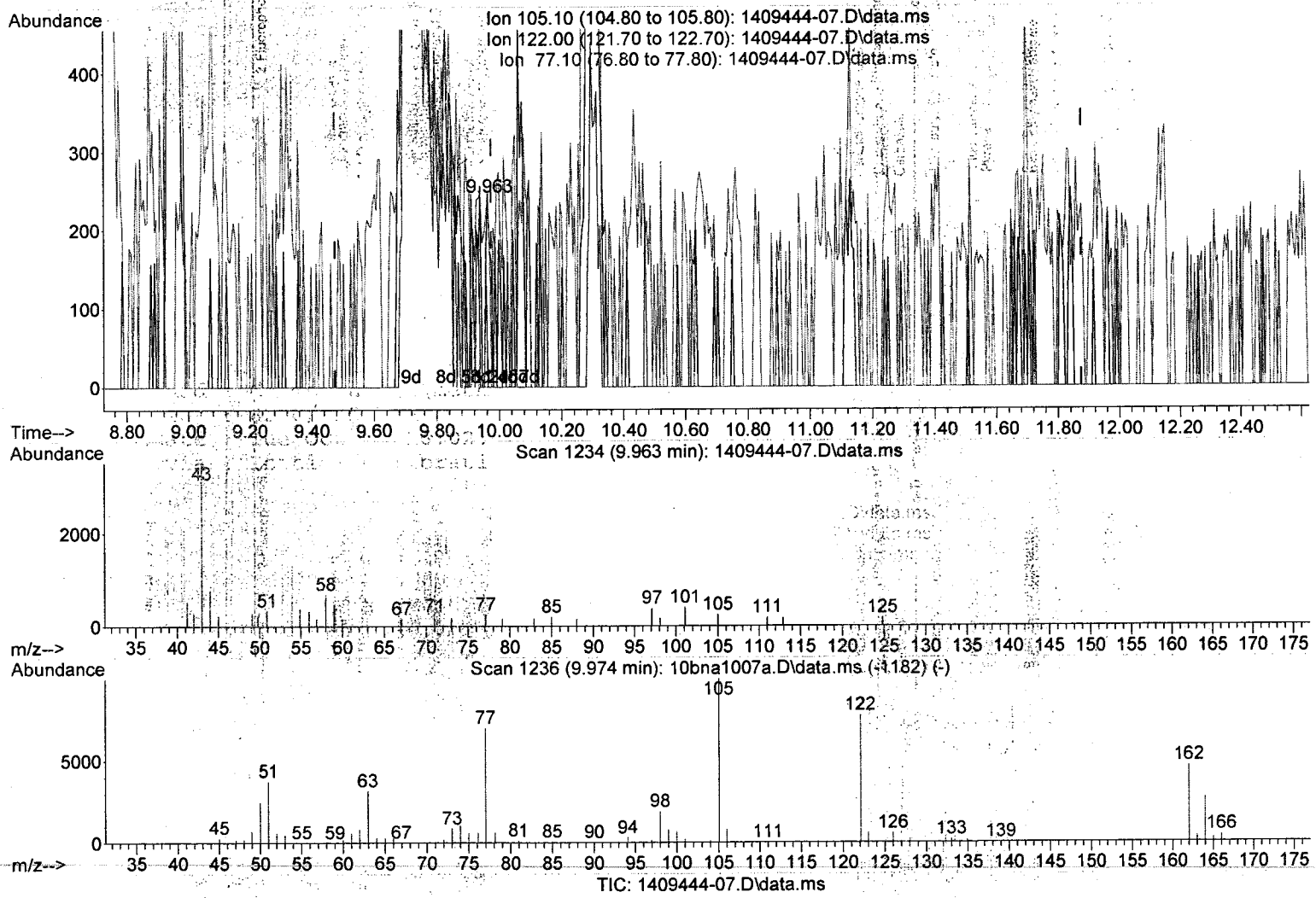
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.596	152	418374	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.295	136	1561682	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.398	164	977522	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.837	188	1608296	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	1336637	5.00	ng/uL	#	0.00
22) Perylene-d12	23.141	264	994872	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.493	74	1060	0.02	ng/uL		82
3) Pyridine	3.126	79	575	0.00	ng/uL	#	56
4) Aniline	7.008	93	607	0.00	ng/uL	#	1
5) Benzaldehyde	6.786	105	4093	0.04	ng/uL	#	42
6) Acetophenone	8.418	105	1495	0.01	ng/uL	#	67
7) N-Nitroso-di-n-propyla...	8.523	70	593	0.01	ng/uL		94
9) 4-Chloroaniline	10.499	127	431	0.01	ng/uL	#	74
10) Caprolactam	11.274	55	3907	0.17	ng/uL	#	47
12) 1,1'-Biphenyl	13.075	154	812	0.00	ng/uL	#	76
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.873	138	62	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.065	169	161	0.00	ng/uL	#	26
18) Atrazine	17.476	200	129	Below Cal		#	25
20) Benzidine	20.000	184	1117	0.42	ng/uL	#	86
21) 3,3'-Dichlorobenzidine	21.008	252	427	0.01	ng/uL		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-07.D
Acq On : 7 Oct 2014 18:43
Operator : JLB
Sample : 1409444-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 08:17:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.963min (-0.012) 2.46 ng/uL

response 261

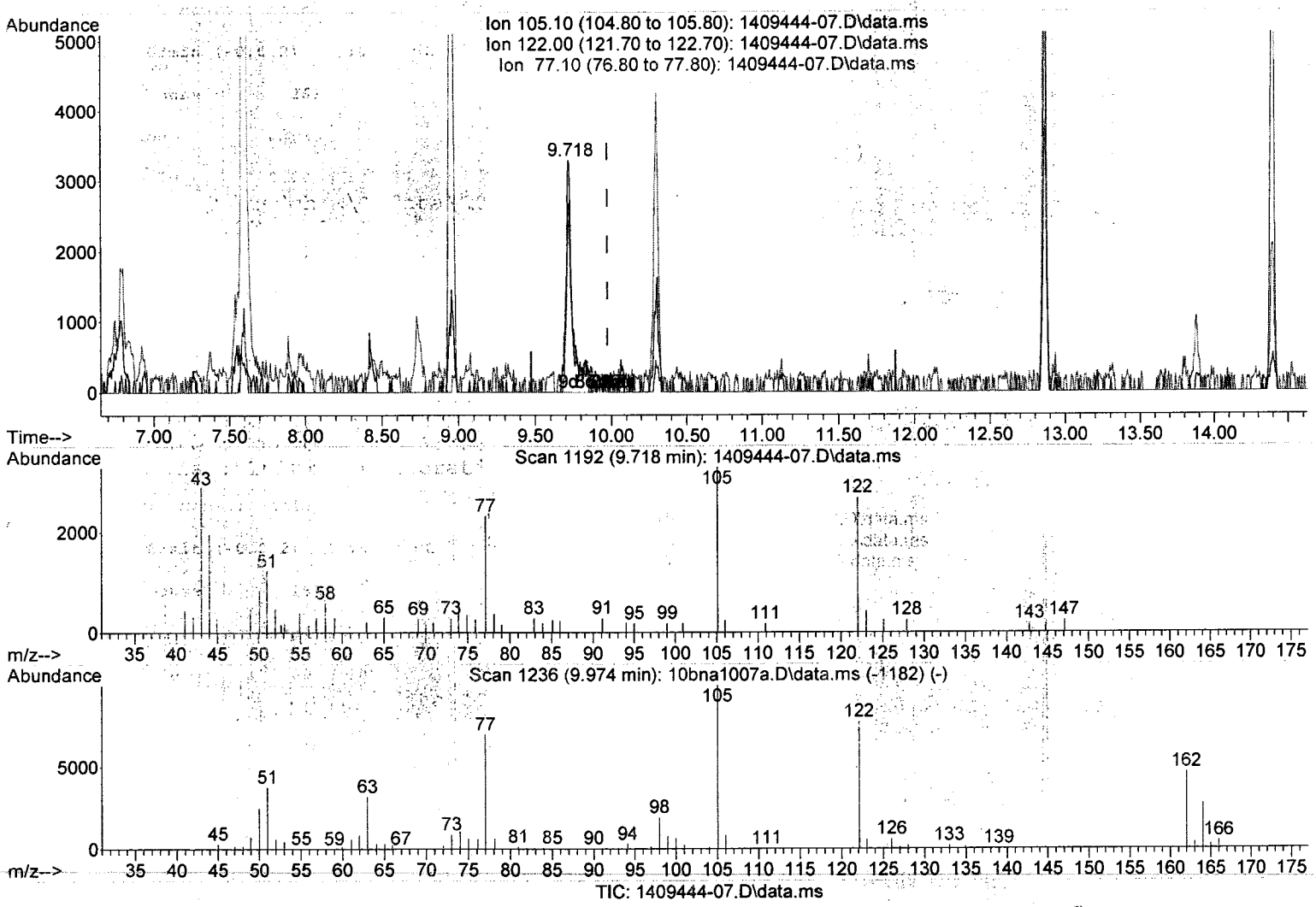
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	283.14#
0.00	0.00	0.00

JWS 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-07.D
Acq On : 7 Oct 2014 18:43
Operator : JLB
Sample : 1409444-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 08:17:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409444-07.D\data.ms

(30) Benzoic Acid

9.718min (-0.257) 2.58 ng/uL m

response 10422

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	7.09#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No Date: 10/9/14

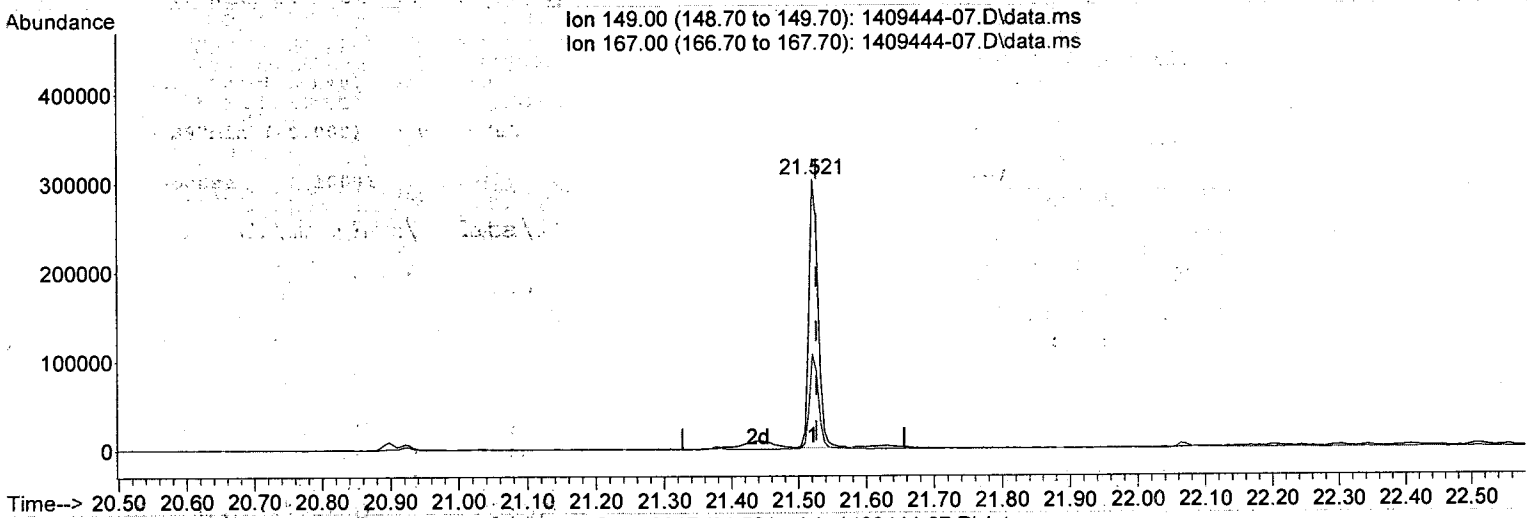
Analyst: JLB

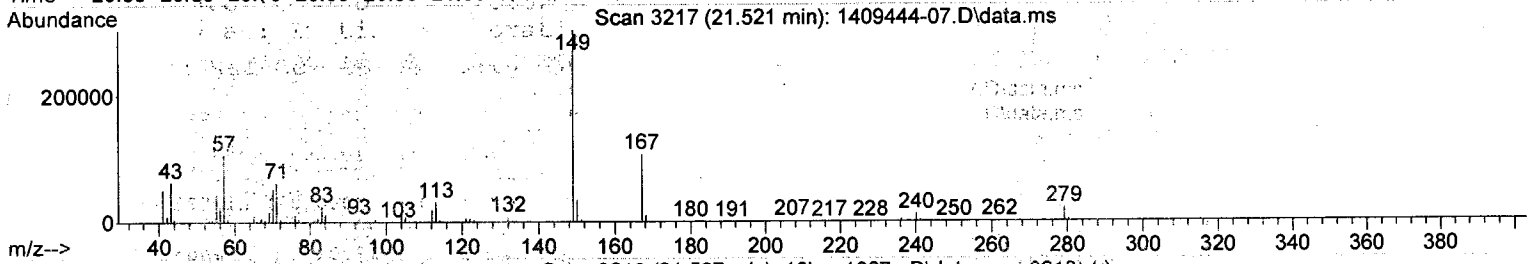
Reviewed By: HSC Date: 10/10/14

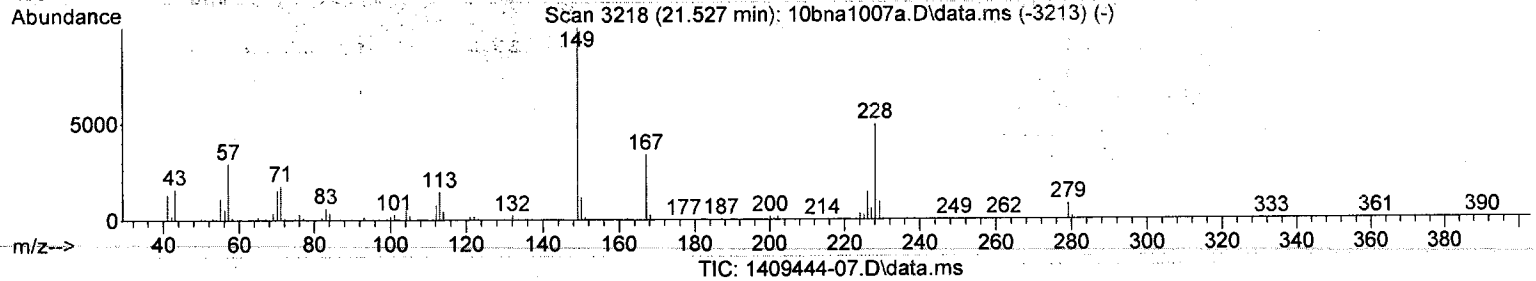
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-07.D
Acq On : 7 Oct 2014 18:43
Operator : JLB
Sample : 1409444-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 08:17:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-07.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.521min (-0.006) 1.76 ng/uL

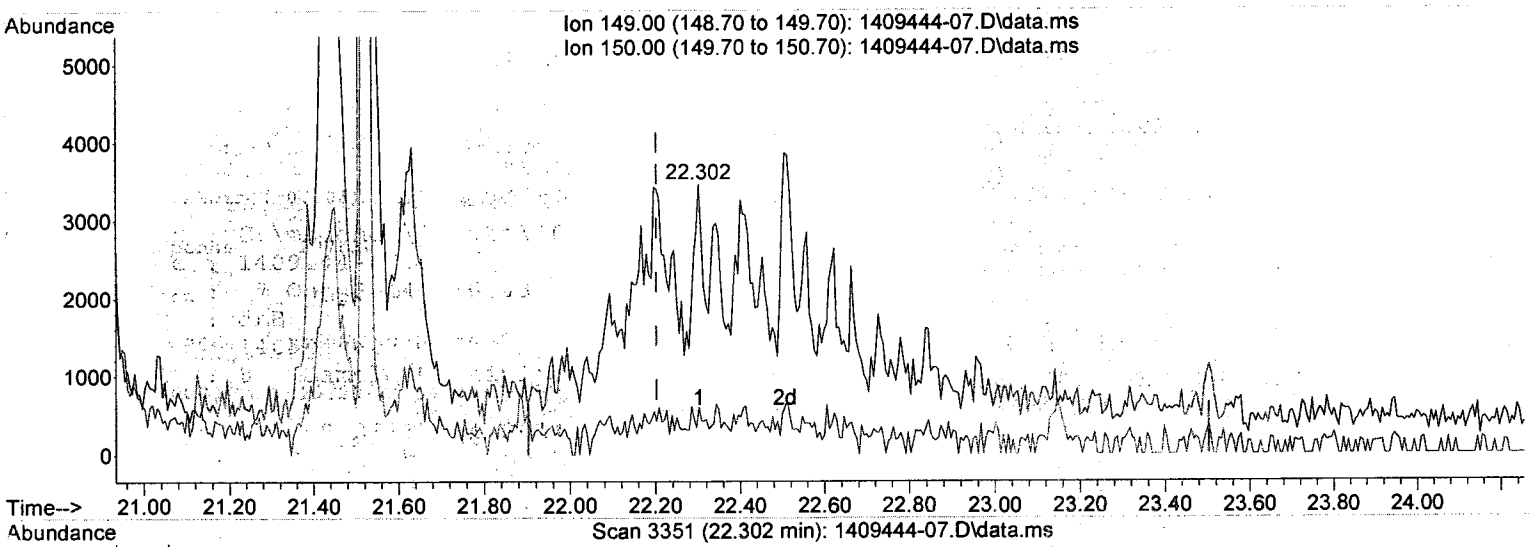
response 287020

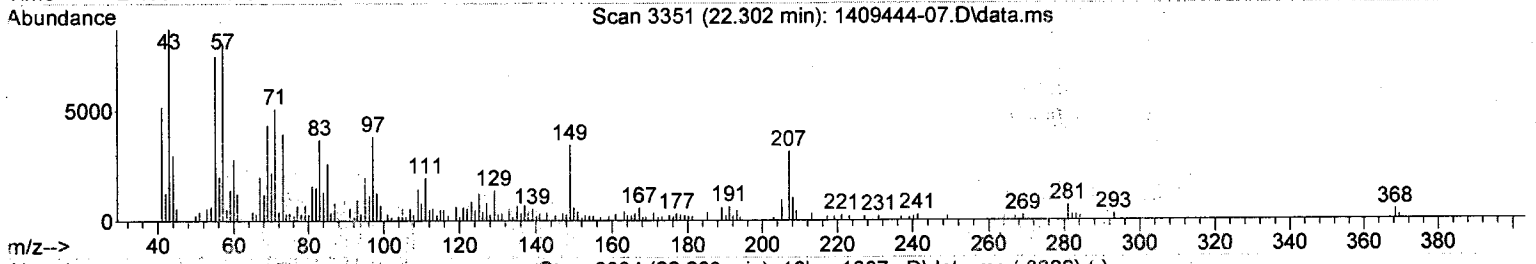
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.89
0.00	0.00	0.00
0.00	0.00	0.00

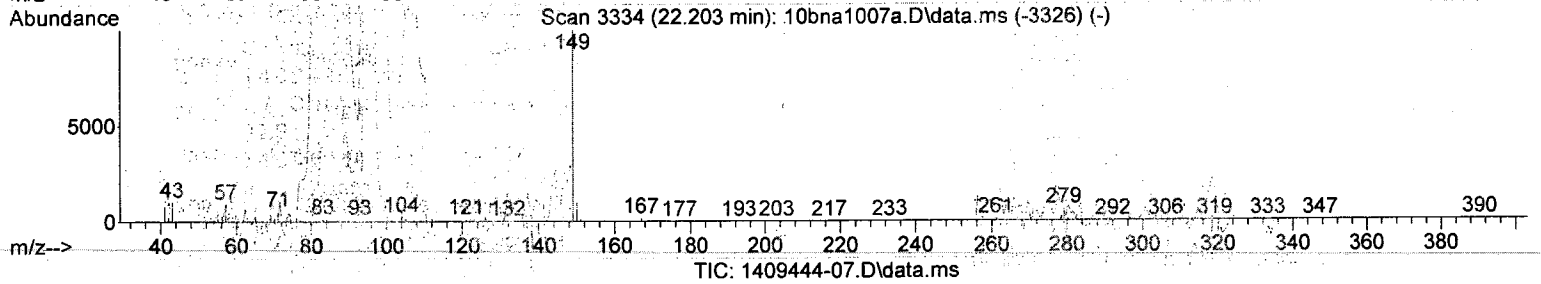
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-07.D
Acq On : 7 Oct 2014 18:43
Operator : JLB
Sample : 1409444-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 08:17:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-07.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.302min (+ 0.099) 0.49 ng/uL

response 44228

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.59#
0.00	0.00	0.00
0.00	0.00	0.00

pp

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB21-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-08 File ID: 1409444-08.D

Sampled: 09/24/14 10:40 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 19:16

Solids: 96.86 Preparation: 3550C Sonication Extract Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	8.6	2.0	8.6	17	U
207-08-9	Benzo(k)fluoranthene	1	8.6	2.0	8.6	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.6	2.0	8.6	34	U
65-85-0	Benzoic Acid	1	88	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB21-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-08 File ID: 1409444-08.D

Sampled: 09/24/14 10:40 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 19:16

Solids: 96.86 Preparation: 3550C Sonication Extract Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	68	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	702	425	60	33 - 113	
Phenol-d6	702	261	37	30 - 115	
Nitrobenzene-d5	351	255	73	33 - 131	
2-Fluorobiphenyl	351	293	83	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB21-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-08
File ID: 1409444-08.D
Sampled: 09/24/14 10:40
Prepared: 09/30/14 07:32
Analyzed: 10/07/14 19:16
Solids: 96.86
Preparation: 3550C Sonication Extract
Initial/Final: 29.4 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	702	539	77	12 - 124	
o-Terphenyl	351	309	88	20 - 155	

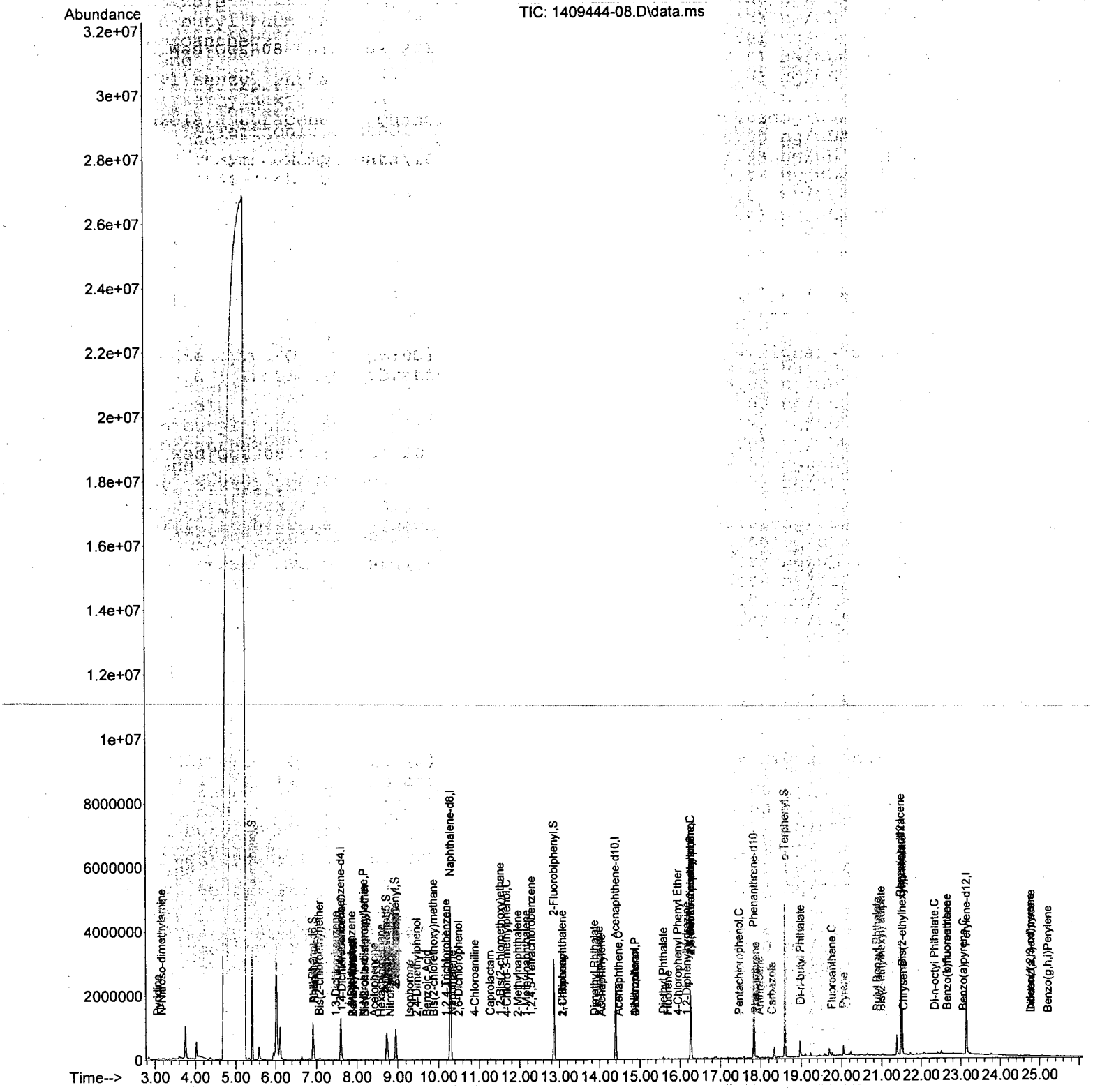
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	451390	7.596	403279	7.614	
Naphthalene-d8	1666170	10.295	1529030	10.359	
Acenaphthene-d10	1041729	14.398	866604	14.474	
Phenanthrene-d10	1724164	17.837	1400442	17.901	
Chrysene-d12	1516456	21.486	1153654	21.538	
Perylene-d12	1177246	23.147	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-08.D
Acq On : 7 Oct 2014 19:16
Operator : JLB
Sample : 1409444-08 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 08:20:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-08.D
Acq On : 7 Oct 2014 19:16
Operator : JLB
Sample : 1409444-08 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 08:20:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.596	152	451390	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.295	136	1666170	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	1041729	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.837	188	1724164	5.00	ng/uL	0.00
81) Chrysene-d12	21.486	240	1516456	5.00	ng/uL	# 0.00
89) Perylene-d12	23.147	264	1177246	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.422	112	1246591	12.09	ng/uL	0.29
6) Phenol-d6	6.920	99	993877	7.44	ng/uL	0.06
21) Nitrobenzene-d5	8.727	82	773240	7.26	ng/uL	0.00
23) Decafluorobiphenyl	8.948	334	598789	8.02	ng/uL	0.00
47) 2-Fluorobiphenyl	12.865	172	1793235	8.33	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	401232	15.34	ng/uL	-0.01
78) o-Terphenyl	18.601	230	1302428	8.81	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.172	74	119	0.00	ng/uL#	1
3) Pyridine	3.067	79	415	0.00	ng/uL	93
5) Aniline	6.943	93	113	0.22	ng/uL#	1
7) Phenol	6.943	94	1742	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.078	93	123	0.00	ng/uL#	1
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.474	146	3038	0.02	ng/uL#	20
11) 1,4-Dichlorobenzene	7.625	146	1256	0.01	ng/uL#	74
12) 1,2-Dichlorobenzene	7.870	146	149	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.191	45	497	0.00	ng/uL#	51
14) Benzyl Alcohol	7.899	108	277	0.00	ng/uL#	1
15) 2-Methylphenol	7.899	108	277	0.00	ng/uL#	40
16) Acetophenone	8.424	105	907	0.01	ng/uL#	43
17) Hexachloroethane	8.593	119	140	0.00	ng/uL#	3
18) 4-Methylphenol	8.721	108	335	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.173	70	880	0.01	ng/uL	85
22) Nitrobenzene	8.814	77	239	0.00	ng/uL#	60
24) Isophorone	9.292	82	386	0.00	ng/uL	98
25) 2-Chloroaniline	8.943	127	7149	0.05	ng/uL#	56
26) 2-Nitrophenol	8.954	139	1544	0.03	ng/uL#	35
27) 2,4-Dimethylphenol	9.473	107	160	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.881	93	59	0.00	ng/uL#	57
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.718	105	4833m	2.51	ng/uL	
31) 1,2,4-Trichlorobenzene	10.184	180	1365	0.01	ng/uL	91
32) Naphthalene	10.336	128	1696	0.01	ng/uL#	1
33) 4-Chloroaniline	10.889	127	851	0.01	ng/uL#	48
34) 2,6-Dichlorophenol	10.493	162	138	0.00	ng/uL#	47
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.274	55	11499	0.24	ng/uL#	34
37) 1,2-Bis(2-chloroethoxy...	11.525	63	112	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.682	107	225	0.00	ng/uL#	1
39) 2-Methylnaphthalene	11.962	142	451	0.00	ng/uL#	88
40) 1-Methylnaphthalene	12.172	142	296	0.00	ng/uL#	44
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-08.D
Acq On : 7 Oct 2014 19:16
Operator : JLB
Sample : 1409444-08 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 08:20:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.300	216	65	0.00	ng/uL#	81
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.081	162	445	0.00	ng/uL	92
49) 1,1'-Biphenyl	13.081	154	731	0.00	ng/uL#	70
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.049	152	575	0.00	ng/uL#	77
52) 2,6-Dinitrotoluene	13.996	165	647	0.01	ng/uL#	31
53) Dimethyl Phthalate	13.880	163	6185	0.03	ng/uL#	85
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.468	153	219	0.00	ng/uL#	12
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.882	168	72	0.00	ng/uL#	1
58) 4-Nitrophenol	14.865	65	124	0.00	ng/uL#	1
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,5-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.704	166	453	0.00	ng/uL#	24
63) Diethyl Phthalate	15.593	149	13989	0.07	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.955	204	831	0.01	ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.		
67) 4,6-Dinitro-2-methylph...	16.281	198	1035	~~1.01~~ RT	ng/uL#	1
68) N-Nitroso-diphenylamine	16.275	169	15868	0.08	ng/uL#	39
69) 1,2-Diphenylhydrazine	16.176	182	1406	0.02	ng/uL#	52
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	17.470	266	846	0.02	ng/uL#	1
75) Phenanthrene	17.878	178	3871	0.01	ng/uL	95
76) Anthracene	17.971	178	723	0.00	ng/uL	96
77) Carbazole	18.280	167	207	0.00	ng/uL#	43
79) Di-n-butyl Phthalate	18.985	149	75348	0.23	ng/uL	99
80) Fluoranthene	19.766	202	1884	0.01	ng/uL#	88
82) Pyrene	20.058	202	2352	0.01	ng/uL#	1
83) Butyl Benzyl Phthalate	20.891	149	3774	0.03	ng/uL	95
84) Bis(2-ethylhexyl) adipate	20.990	129	2761	0.09	ng/uL#	100
85) Benzo(a)anthracene	21.486	228	5031	0.02	ng/uL#	1
86) Chrysene	21.550	228	57	0.00	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.521	149	351422	1.93	ng/uL	92
88) Di-n-octyl Phthalate	22.343	149	48232	~~0.48~~ pp	ng/uL#	75
90) Benzo(b)fluoroanthene	22.657	252	1491	0.01	ng/uL#	71
91) Benzo(k)fluoranthene	22.657	252	1491	0.01	ng/uL#	50
92) Benzo(a)pyrene	23.065	252	690	0.00	ng/uL#	83
93) Indeno(1,2,3-cd)pyrene	24.767	276	1711	0.01	ng/uL#	69
94) Dibdenz(a,h)anthracene	24.785	278	1137	0.01	ng/uL#	89
95) Benzo(g,h,i)Perylene	25.210	276	1691	0.01	ng/uL#	60

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-08.D
Acq On : 7 Oct 2014 19:16
Operator : JLB
Sample : 1409444-08 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 07:57:20 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

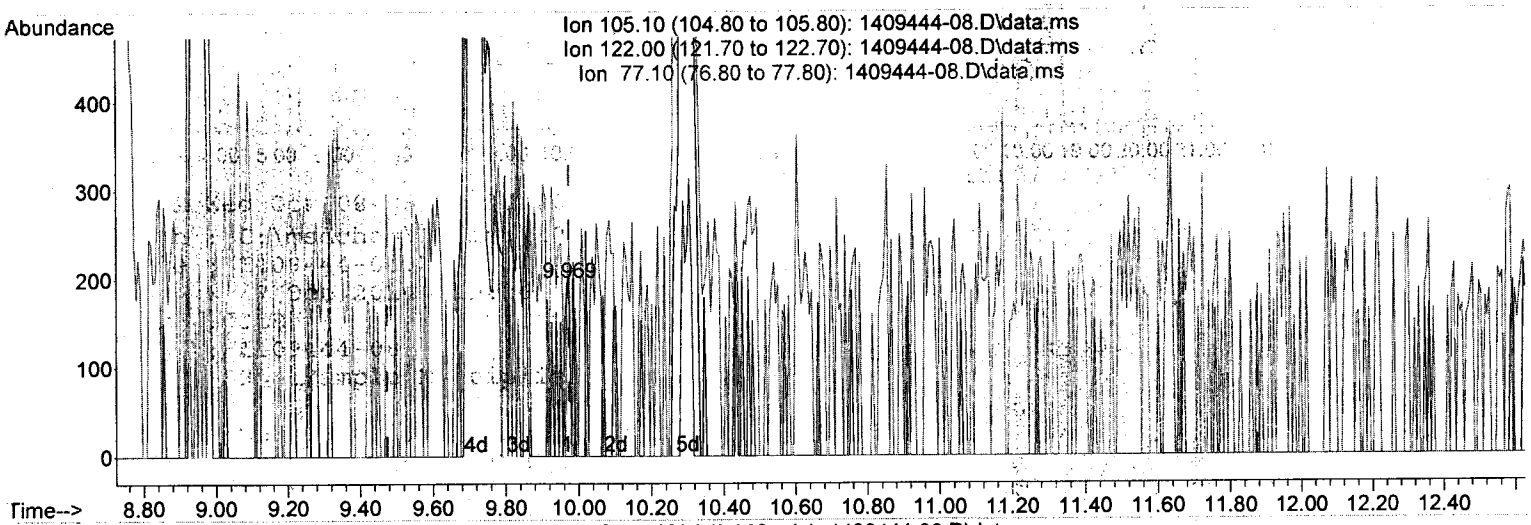
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.596	152	442949	5.00 ng/uL #	0.04
8) Naphthalene-d8	10.295	136	1666170	5.00 ng/uL	0.00
11) Acenaphthene-d10	14.398	164	1039660	5.00 ng/uL	0.00
16) Phenanthrene-d10	17.837	188	1725553	5.00 ng/uL	0.00
19) Chrysene-d12	21.486	240	1491030	5.00 ng/uL #	0.00
22) Perylene-d12	23.147	264	1177754	5.00 ng/uL #	0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	3.172	74	119	0.00 ng/uL#	1
3) Pyridine	3.067	79	415	0.00 ng/uL	93
4) Aniline	6.943	93	113	0.00 ng/uL#	1
5) Benzaldehyde	6.716	105	370	0.00 ng/uL#	1
6) Acetophenone	8.424	105	907	0.01 ng/uL#	43
7) N-Nitroso-di-n-propyla...	8.173	70	880	0.01 ng/uL	85
9) 4-Chloroaniline	10.336	127	115	0.01 ng/uL	97
10) Caprolactam	11.274	55	4503	0.18 ng/uL#	46
12) 1,1'-Biphenyl	13.081	154	731	0.00 ng/uL#	70
13) 2-Nitroaniline	0.000		0	N.D.	
14) 3-Nitroaniline	0.000		0	N.D.	
15) 4-Nitroaniline	15.885	138	74	Below Cal #	1
17) N-Nitroso-diphenylamine	16.275	169	15868	0.08 ng/uL#	39
18) Atrazine	0.000		0	N.D.	
20) Benzidine	19.947	184	204	0.41 ng/uL#	71
21) 3,3'-Dichlorobenzidine	21.381	252	379	0.00 ng/uL#	37

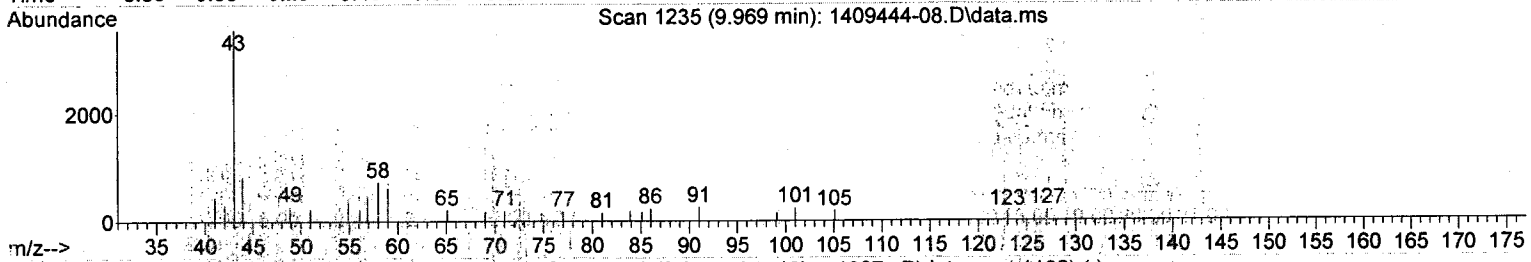
(#) = qualifier out of range (m) = manual integration (+) = signals summed

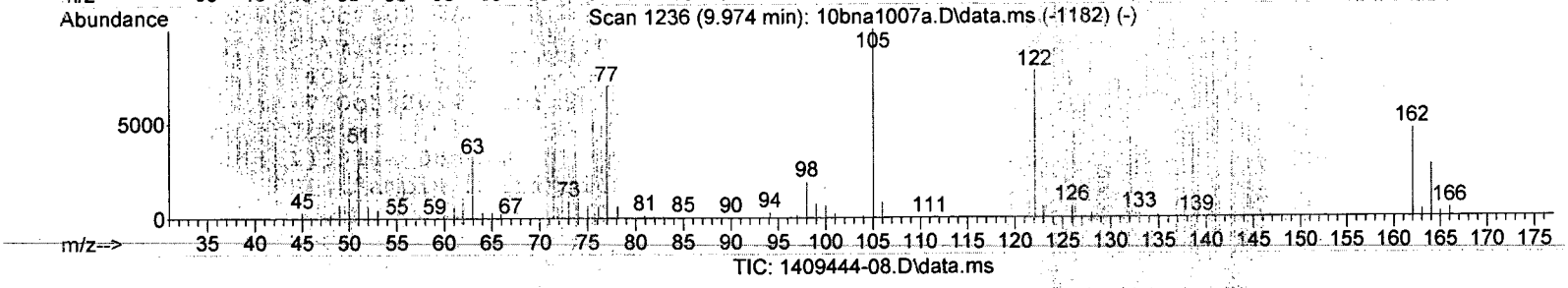
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-08.D
Acq On : 7 Oct 2014 19:16
Operator : JLB
Sample : 1409444-08 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 08:19:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-08.D\data.ms

(30) Benzoic Acid

9.969min (-0.006) 2.46 ng/uL

response 182

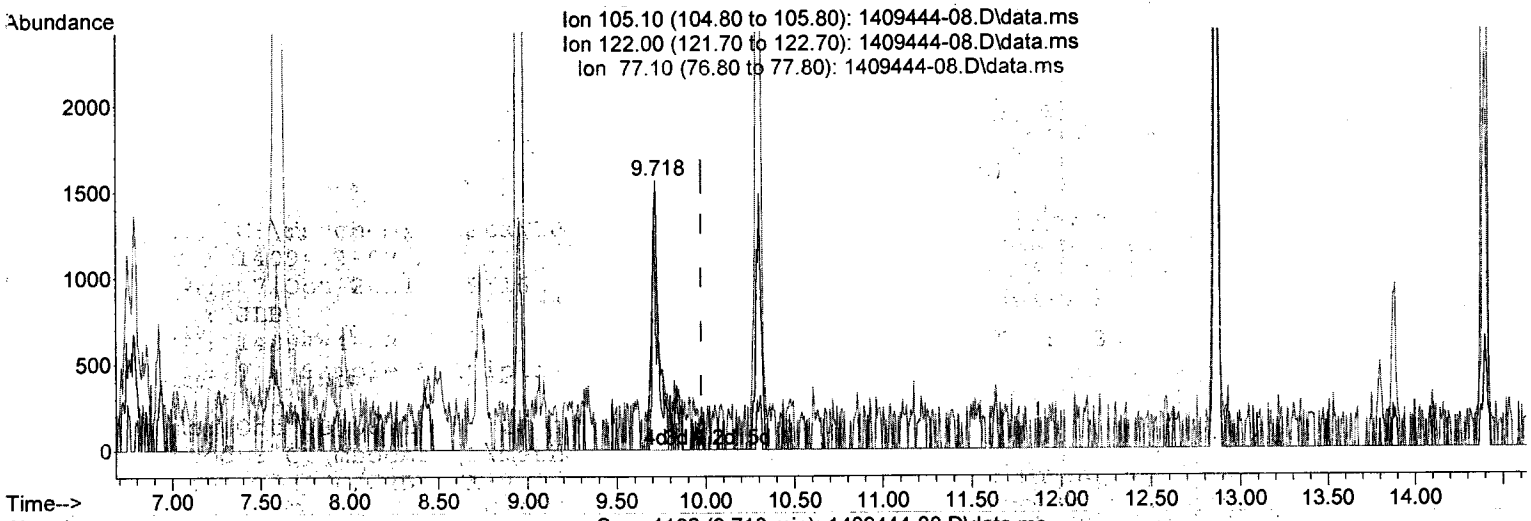
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	82.97
0.00	0.00	0.00

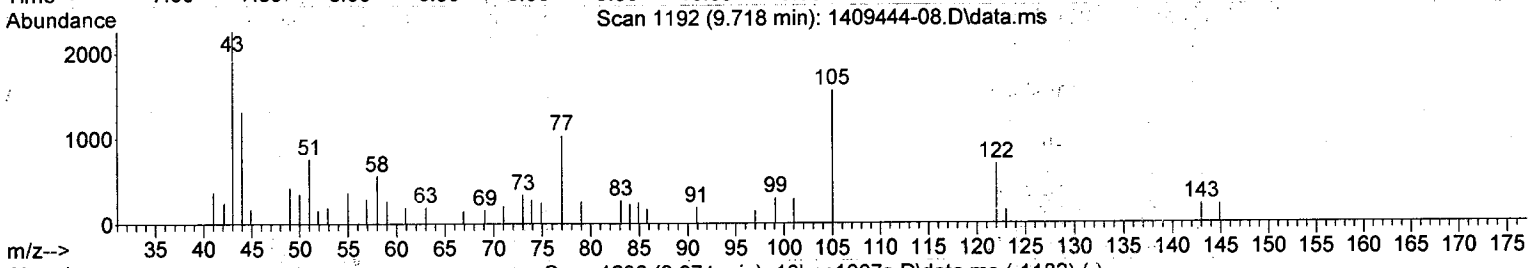
JLB 10/9/14

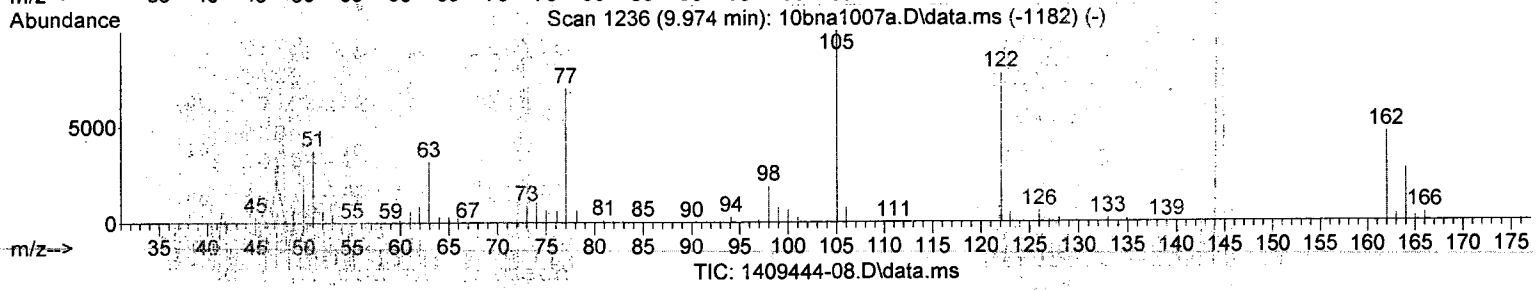
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-08.D
Acq On : 7 Oct 2014 19:16
Operator : JLB
Sample : 1409444-08 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 08:19:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-08.D\data.ms

(30) Benzoic Acid

9.718min (-0.257) 2.51 ng/uL m

response 4833

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	3.12#
0.00	0.00	0.00

Manual Integration Explanation

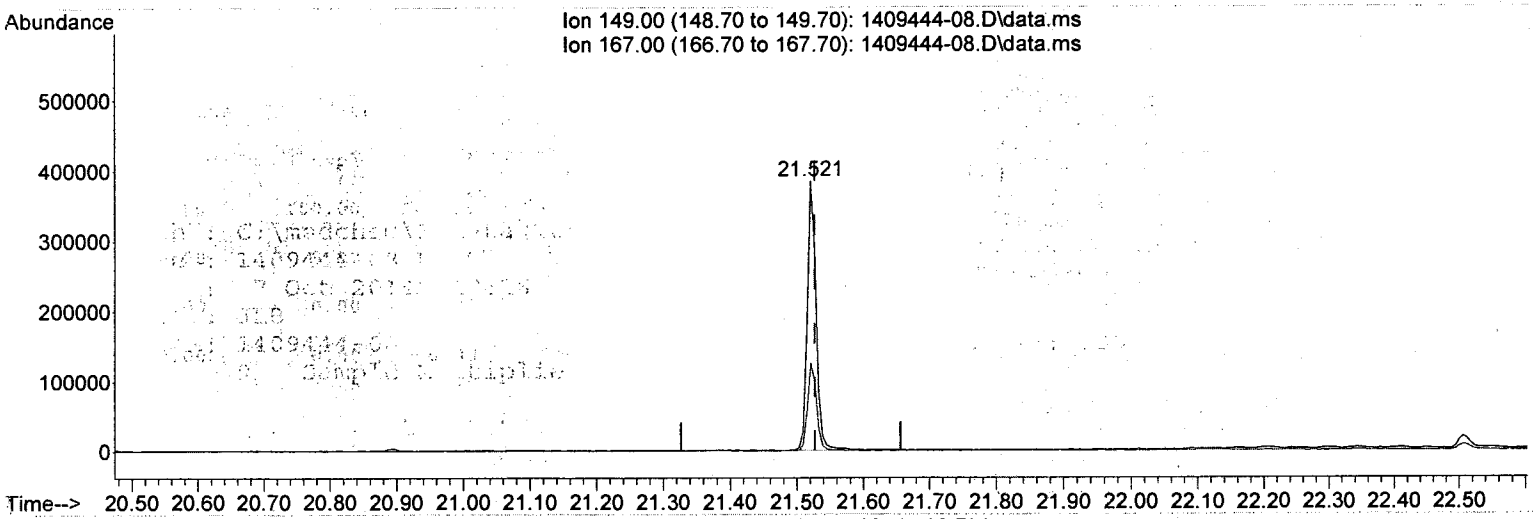
Reason 1: Incorrect peak integrated by the software.

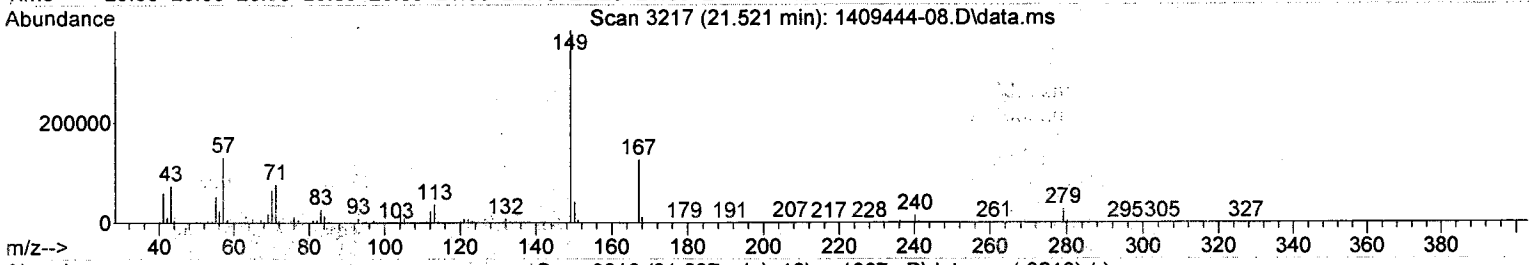
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 10/9/14
Reviewed By: ASC Date: 10/10/14

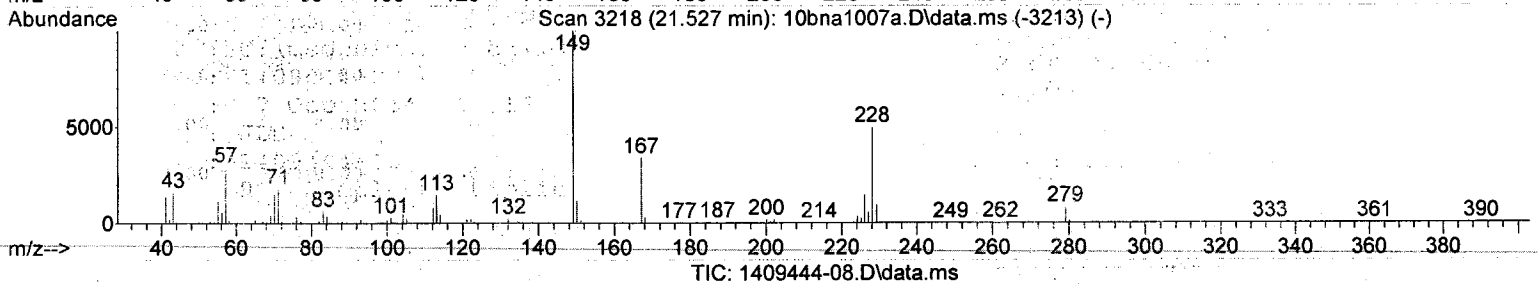
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-08.D
Acq On : 7 Oct 2014 19:16
Operator : JLB
Sample : 1409444-08 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 08:19:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-08.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.521min (-0.006) 1.93 ng/uL

response 351422

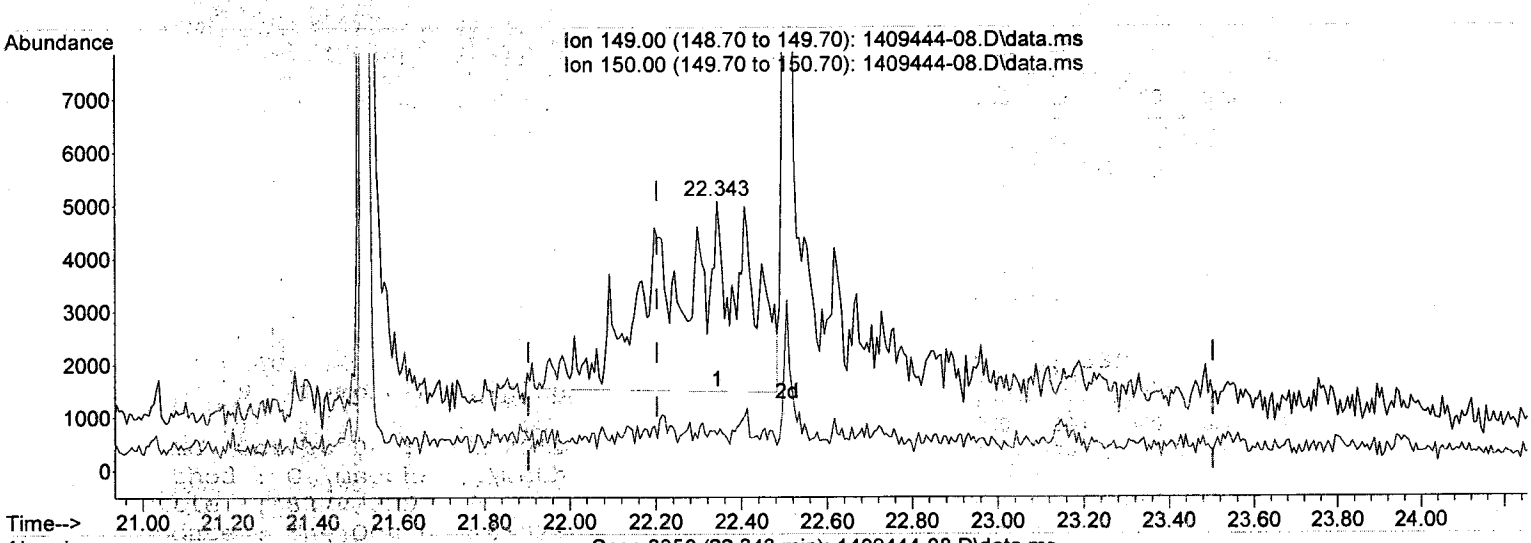
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.48
0.00	0.00	0.00
0.00	0.00	0.00

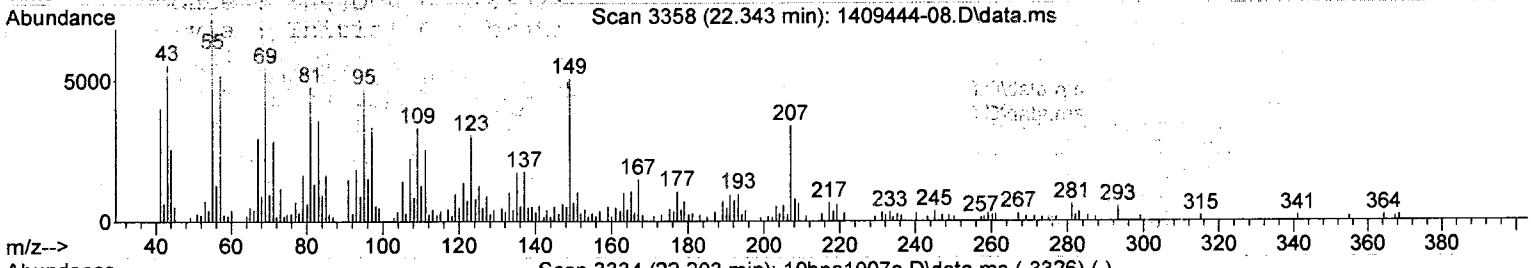
002431

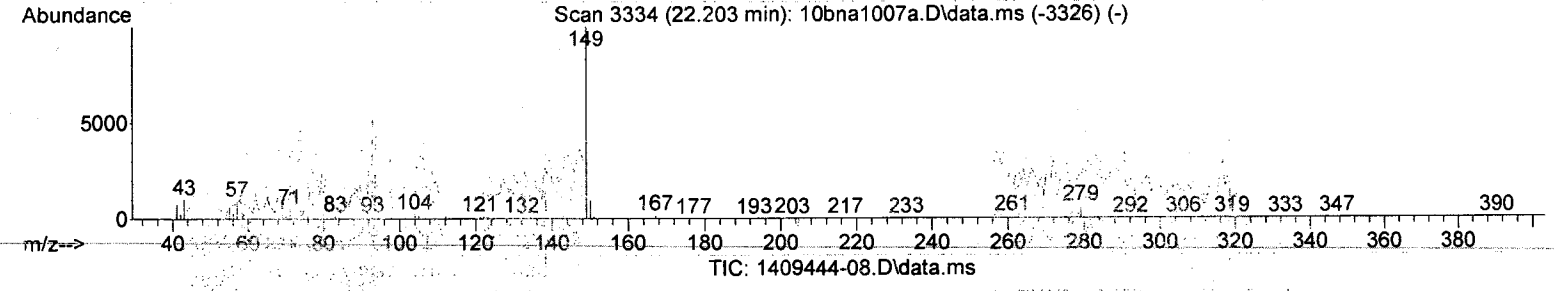
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-08.D
Acq On : 7 Oct 2014 19:16
Operator : JLB
Sample : 1409444-08 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 08:19:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-08.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.343min (+ 0.140) 0.48 ng/uL

response 48232

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.29#
0.00	0.00	0.00
0.00	0.00	0.00

PP

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB22-26

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-09 File ID: 1409444-09.D

Sampled: 09/24/14 11:25 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 12:49

Solids: 96.78 Preparation: 3550C Sonication Extract Initial/Final: 29.8 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	8.6	2.0	8.6	17	U
207-08-9	Benzo(k)fluoranthene	1	8.6	2.0	8.6	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.6	2.0	8.6	34	U
65-85-0	Benzoic Acid	1	87	72	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	51	14	34	69	J
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB22-26

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-09
File ID: 1409444-09.D
Sampled: 09/24/14 11:25
Prepared: 09/30/14 07:32
Analyzed: 10/07/14 12:49
Solids: 96.78
Preparation: 3550C Sonication Extract
Initial/Final: 29.8 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08017
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	52	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	693	326	47	33 - 113	
Phenol-d6	693	250	36	30 - 115	
Nitrobenzene-d5	347	246	71	33 - 131	
2-Fluorobiphenyl	347	294	85	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB22-26

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-09
File ID: 1409444-09.D
Sampled: 09/24/14 11:25
Prepared: 09/30/14 07:32
Analyzed: 10/07/14 12:49
Solids: 96.78
Preparation: 3550C Sonication Extract
Initial/Final: 29.8 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08017
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	693	540	78	12 - 124	
o-Terphenyl	347	305	88	20 - 155	

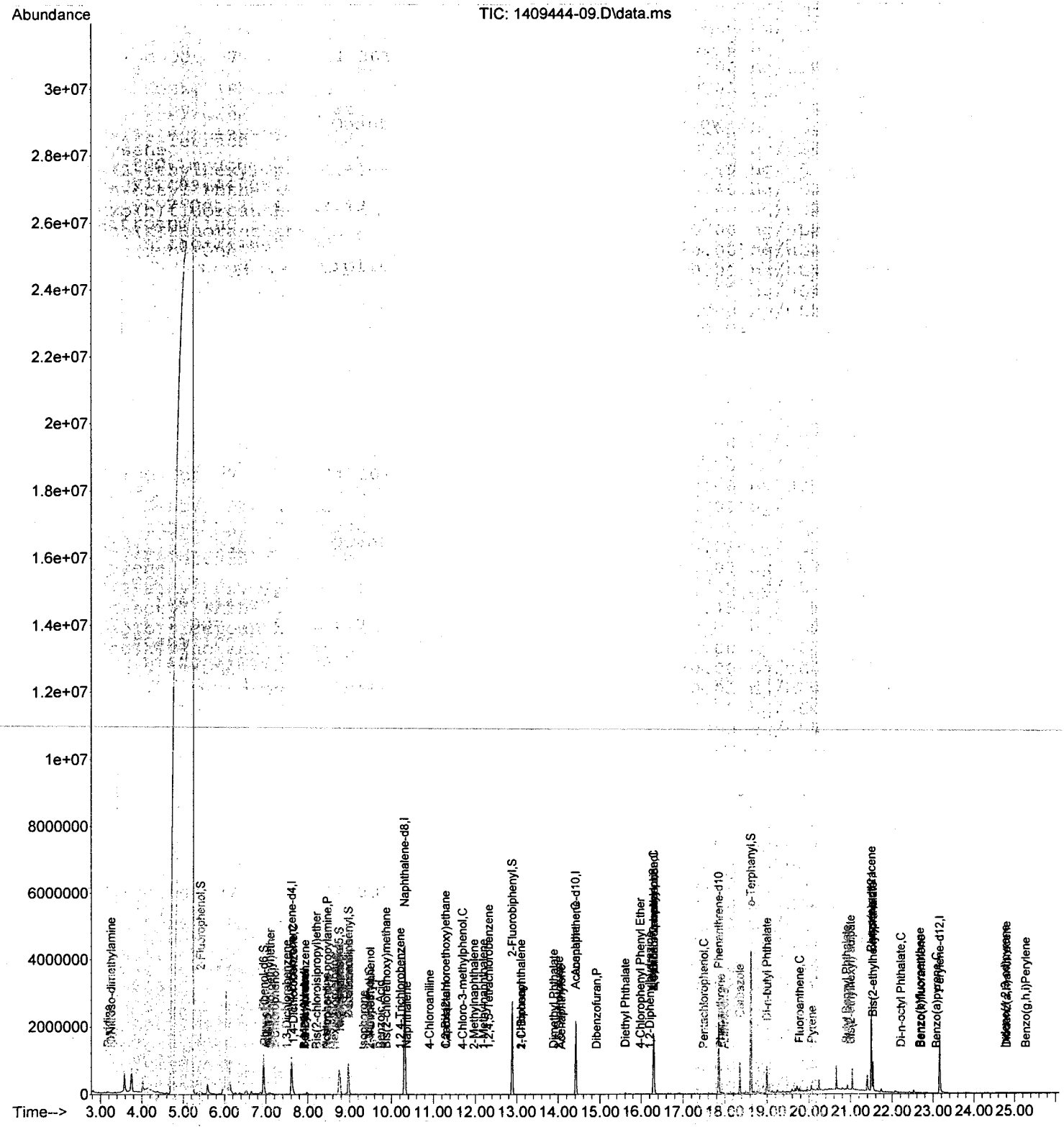
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	398459	7.614	403279	7.614	
Naphthalene-d8	1440245	10.318	1529030	10.359	
Acenaphthene-d10	907355	14.416	866604	14.474	
Phenanthrene-d10	1444445	17.855	1400442	17.901	
Chrysene-d12	1180975	21.498	1153654	21.538	
Perylene-d12	932812	23.159	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-09.D
Acq On : 7 Oct 2014 12:49
Operator : SUB-Contract
Sample : 1409444-09 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 14:31:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-09.D
Acq On : 7 Oct 2014 12:49
Operator : JLB
Sample : 1409444-09 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 14:31:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.614	152	398459	5.00	ng/uL	# 0.04
20) Naphthalene-d8	10.318	136	1440245	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.416	164	907355	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.855	188	1444445	5.00	ng/uL	0.00
81) Chrysene-d12	21.498	240	1180975	5.00	ng/uL	# 0.00
89) Perylene-d12	23.159	264	932812	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	854445	9.39	ng/uL	0.27
6) Phenol-d6	6.944	99	848871	7.20	ng/uL	0.06
21) Nitrobenzene-d5	8.750	82	653055	7.09	ng/uL	0.00
23) Decafluorobiphenyl	8.972	334	531016	8.23	ng/uL	0.00
47) 2-Fluorobiphenyl	12.889	172	1588356	8.47	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.299	330	340809	15.56	ng/uL	-0.02
78) o-Terphenyl	18.618	230	1089762	8.80	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.254	74	787	0.01	ng/uL	100
3) Pyridine	3.184	79	912	0.01	ng/uL	99
5) Aniline	7.019	93	557	0.23	ng/uL#	1
7) Phenol	6.973	94	1645	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.101	93	139	0.00	ng/uL#	1
9) 2-Chlorophenol	7.206	128	126	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.491	146	2629	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.649	146	1334	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.934	146	2590	0.02	ng/uL#	21
13) Bis(2-chloroisipropyl)...	8.208	45	259	0.00	ng/uL#	51
14) Benzyl Alcohol	7.917	108	594	0.01	ng/uL#	1
15) 2-Methylphenol	7.917	108	594	0.01	ng/uL#	72
16) Acetophenone	8.442	105	1204	0.01	ng/uL#	56
17) Hexachloroethane	8.634	119	125	0.00	ng/uL#	3
18) 4-Methylphenol	8.745	108	585	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.465	70	281	0.00	ng/uL#	1
22) Nitrobenzene	8.768	77	1537	0.02	ng/uL#	38
24) Isophorone	9.333	82	948	0.01	ng/uL	97
25) 2-Chloroaniline	8.972	127	6897	0.06	ng/uL#	60
26) 2-Nitrophenol	9.479	139	54	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.502	107	79	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.875	93	59	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.741	105	4942m	2.52	ng/uL	
31) 1,2,4-Trichlorobenzene	10.208	180	1184	0.01	ng/uL	84
32) Naphthalene	10.359	128	1313	0.00	ng/uL#	1
33) 4-Chloroaniline	10.907	127	310	0.00	ng/uL#	80
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.298	55	8427	0.20	ng/uL#	39
37) 1,2-Bis(2-chloroethoxy...	11.292	63	131	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.700	107	246	0.00	ng/uL#	1
39) 2-Methylnaphthalene	11.974	142	215	0.00	ng/uL#	85
40) 1-Methylnaphthalene	12.195	142	71	0.00	ng/uL#	11
41) 1,3-Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-09.D
Acq On : 7 Oct 2014 12:49
Operator : JLB
Sample : 1409444-09 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 14:31:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.323	216	77	0.00	ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.099	162	344	0.00	ng/uL#	73
49) 1,1'-Biphenyl	13.104	154	787	0.00	ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.066	152	64	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.020	165	835	0.02	ng/uL#	31
53) Dimethyl Phthalate	13.897	163	5630	0.03	ng/uL#	82
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.410	153	54	0.00	ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.917	168	56	0.00	ng/uL#	37
58) 4-Nitrophenol	0.000		0	N.D.		
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	0.000		0	N.D.		
63) Diethyl Phthalate	15.611	149	12116	0.07	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.978	204	410	0.00	ng/uL#	11
65) 4-Nitroaniline	0.000		0	N.D.		
67) 4,6-Dinitro-2-methylph...	16.299	198	775	~~1.01~~	ng/uL#	1
68) N-Nitroso-diphenylamine	16.299	169	13259	0.08	ng/uL#	42
69) 1,2-Diphenylhydrazine	16.205	182	1190	0.02	ng/uL#	48
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	17.493	266	561	0.02	ng/uL#	9
75) Phenanthrene	17.896	178	2227	0.01	ng/uL#	66
76) Anthracene	17.989	178	219	0.00	ng/uL#	1
77) Carbazole	18.356	167	16125	0.07	ng/uL#	62
79) Di-n-butyl Phthalate	18.997	149	406317	1.46	ng/uL	98
80) Fluoroanthene	19.778	202	956	0.00	ng/uL	93
82) Pyrene	20.070	202	1307	0.00	ng/uL#	1
83) Butyl Benzyl Phthalate	20.903	149	2814	0.03	ng/uL	91
84) Bis(2-ethylhexyl) adipate	21.002	129	1731	0.09	ng/uL#	100
85) Benzo(a)anthracene	21.498	228	3281	0.02	ng/uL#	1
86) Chrysene	21.498	228	3281	0.02	ng/uL#	90
87) Bis(2-ethylhexyl)phtha...	21.533	149	210669	1.49	ng/uL	91
88) Di-n-octylphthalate	22.215	149	29774	~~0.45~~	ng/uL#	78
90) Benzo(b)fluoranthene	22.675	252	393	0.00	ng/uL#	36
91) Benzo(k)fluoranthene	22.704	252	403	0.00	ng/uL#	58
92) Benzo(a)pyrene	23.083	252	456	0.00	ng/uL#	57
93) Indeno(1,2,3-cd)pyrene	24.768	276	1099	0.01	ng/uL#	55
94) Dibdenz(a,h)anthracene	24.802	278	949	0.01	ng/uL#	60
95) Benzo(g,h,i)Perylene	25.275	276	544	0.00	ng/uL#	48

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-09.D
Acq On : 7 Oct 2014 12:49
Operator : JLB
Sample : 1409444-09 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 13:16:00 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration

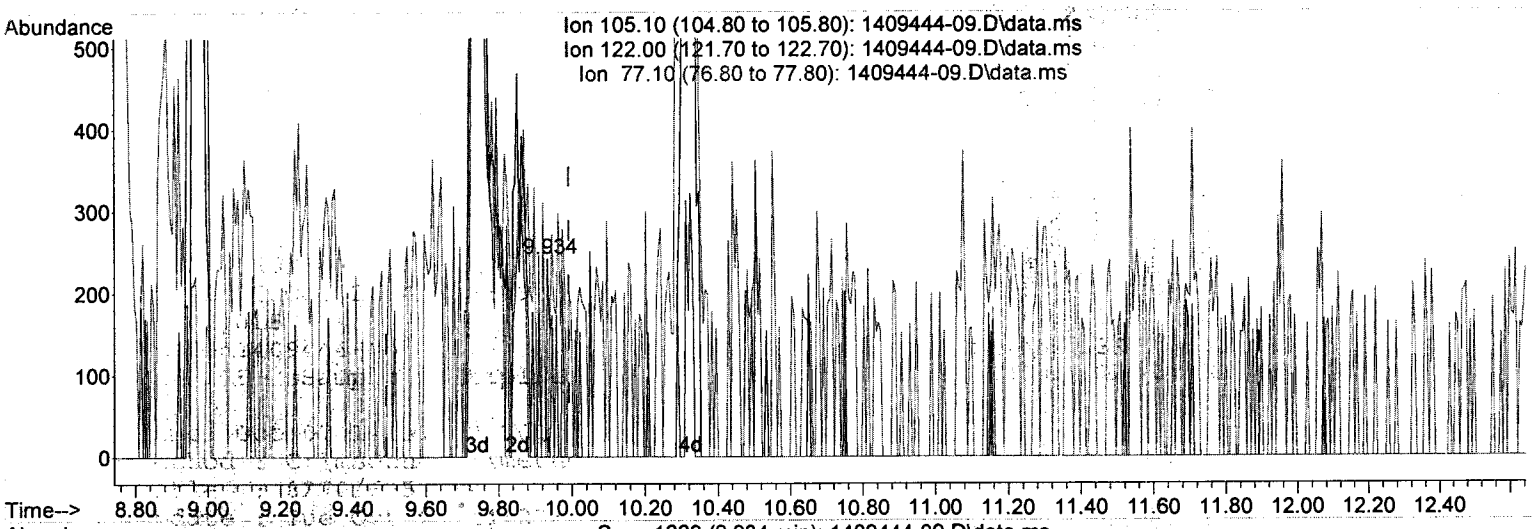
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	389081	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.318	136	1440245	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.416	164	903591	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.855	188	1444445	5.00	ng/uL		0.00
19) Chrysene-d12	21.498	240	1180975	5.00	ng/uL	#	0.00
22) Perylene-d12	23.159	264	946042	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.254	74	787	0.01	ng/uL		100
3) Pyridine	3.085	79	361	0.00	ng/uL		83
4) Aniline	7.019	93	557	0.00	ng/uL	#	1
5) Benzaldehyde	6.757	105	811	0.01	ng/uL	#	1
6) Acetophenone	8.442	105	1204	0.01	ng/uL	#	56
7) N-Nitroso-di-n-propyla...	8.465	70	281	0.00	ng/uL	#	1
9) 4-Chloroaniline	10.517	127	250	0.01	ng/uL	#	1
10) Caprolactam	11.298	55	2785	0.16	ng/uL	#	32
12) 1,1'-Biphenyl	13.104	154	787	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.978	138	56	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.299	169	13259	0.08	ng/uL	#	42
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.000	184	183	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.463	252	55	0.00	ng/uL	#	19

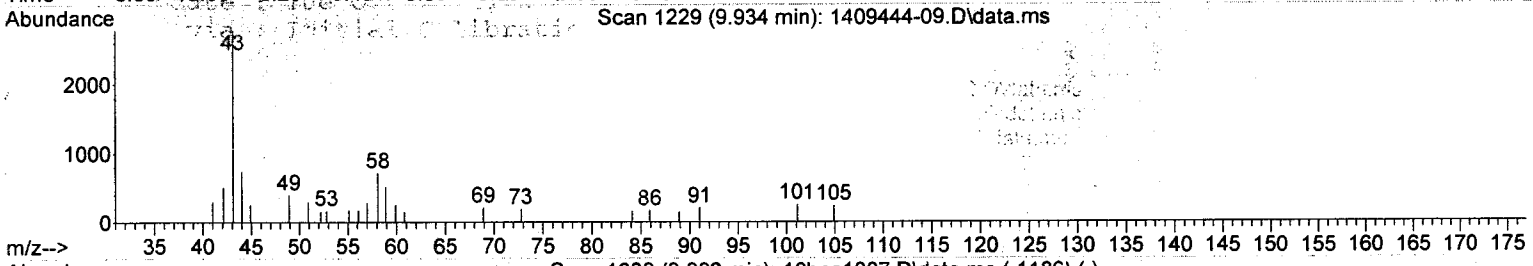
(#) = qualifier out of range (m) = manual integration (+) = signals summed

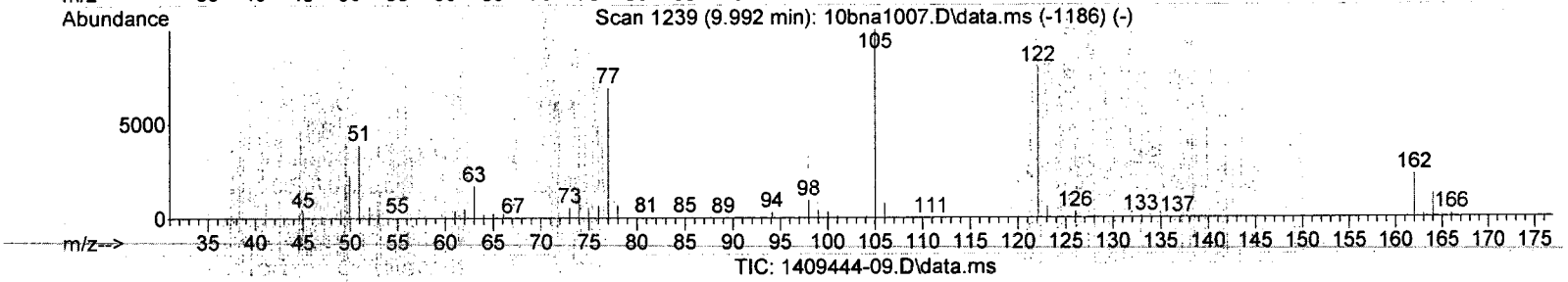
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-09.D
Acq On : 7 Oct 2014 12:49
Operator : JLB
Sample : 1409444-09 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 14:31:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-09.D\data.ms

(30) Benzoic Acid

9.934min (-0.058) 2.46 ng/uL

response 198

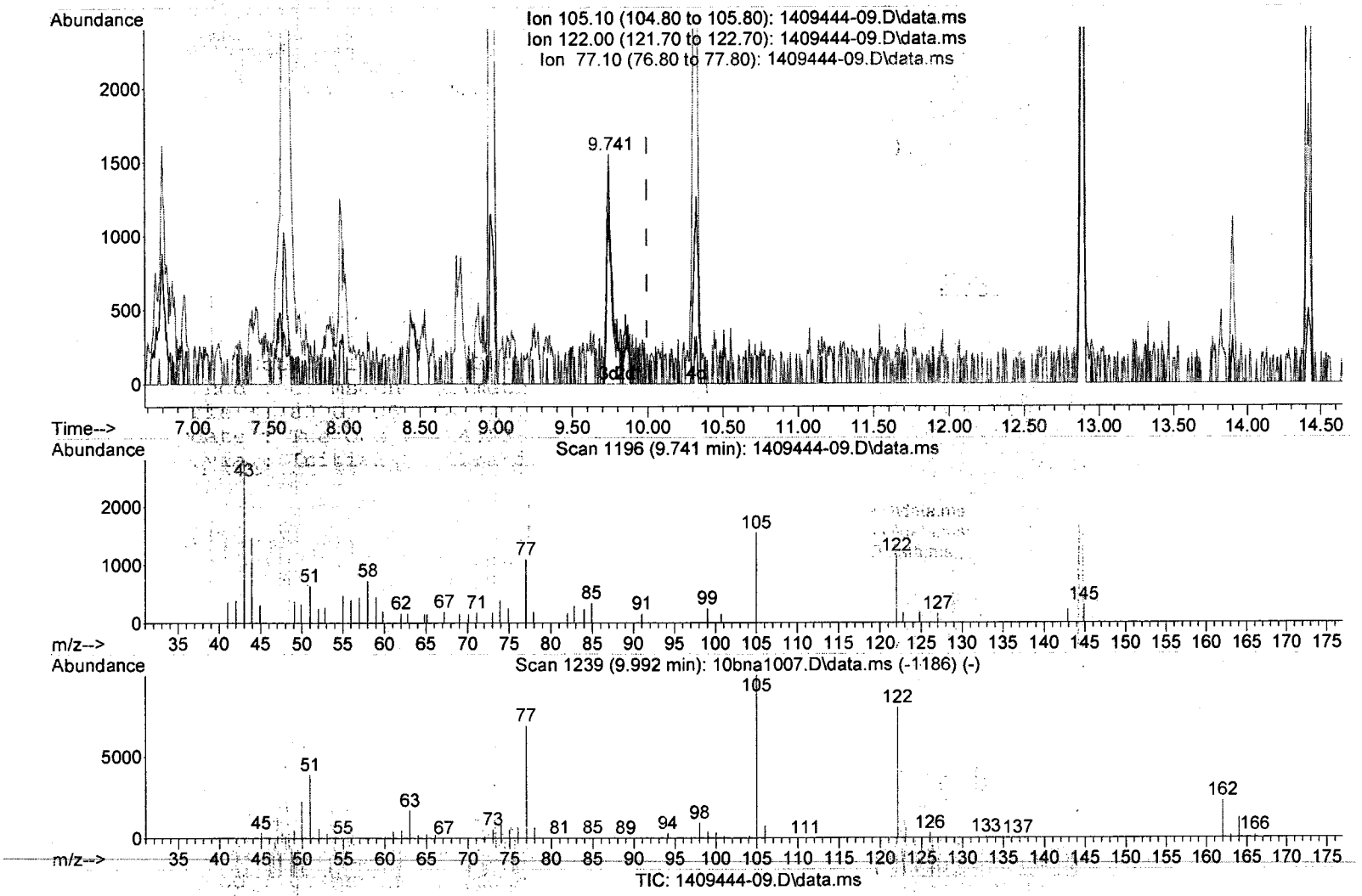
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	59.09#
77.10	74.70	305.05#
0.00	0.00	0.00

JWS 10/8/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-09.D
Acq On : 7 Oct 2014 12:49
Operator : JLB
Sample : 1409444-09 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 14:31:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.741min (-0.251) 2.52 ng/uL m

response 4942

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	2.37#
77.10	74.70	12.22#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

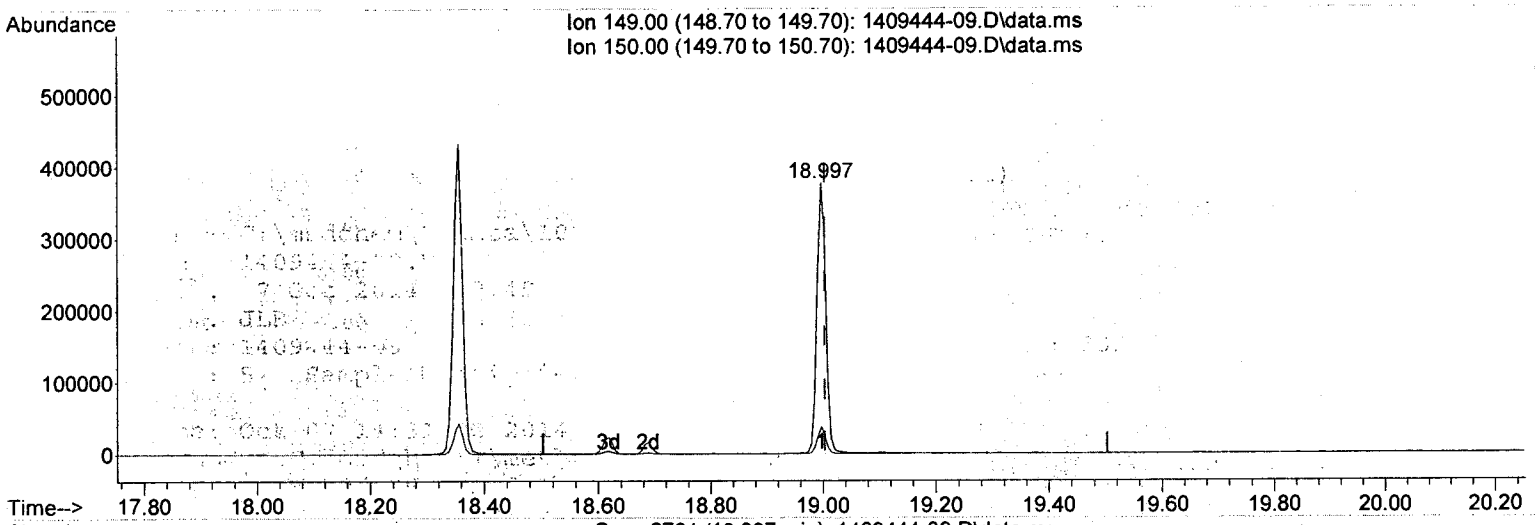
Flagged on Quantitation Report: (Yes) / No
Analyst: JLD Date: 10/8/14
Reviewed By: HSC Date: 10/10/14

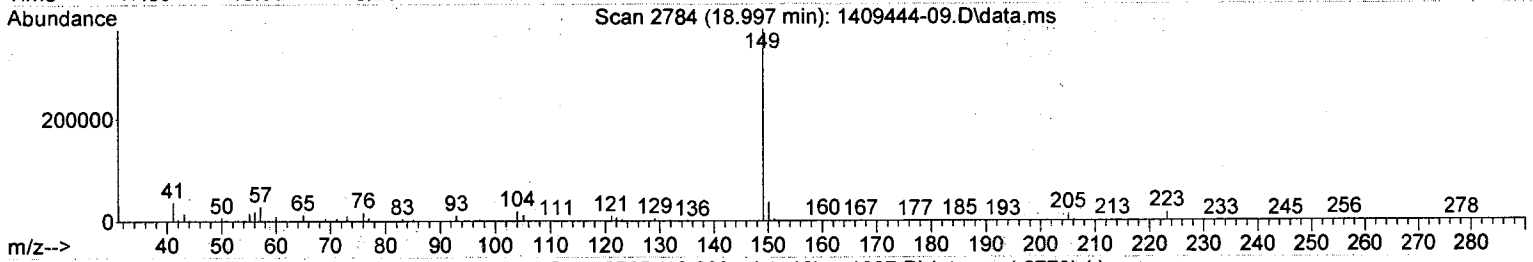
002441

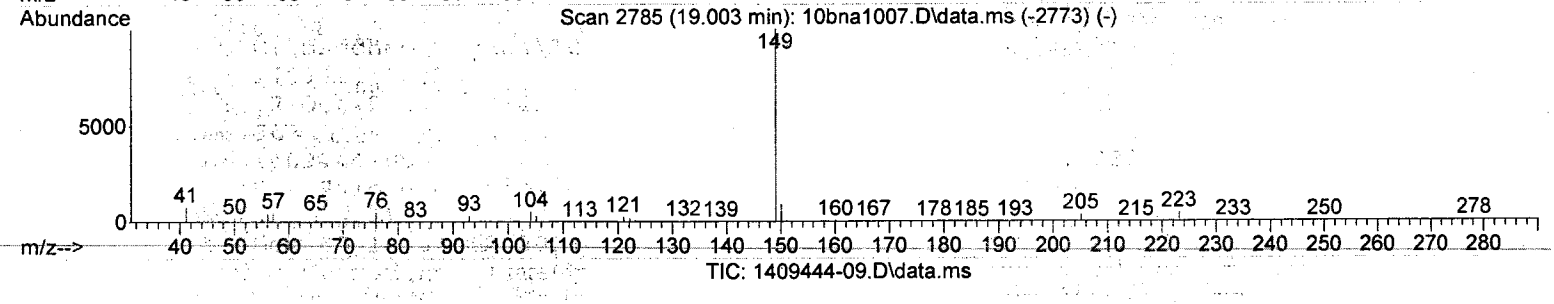
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-09.D
Acq On : 7 Oct 2014 12:49
Operator : JLB
Sample : 1409444-09 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 14:31:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-09.D\data.ms

(79) Di-n-butyl Phthalate

18.997min (-0.006) 1.46 ng/uL

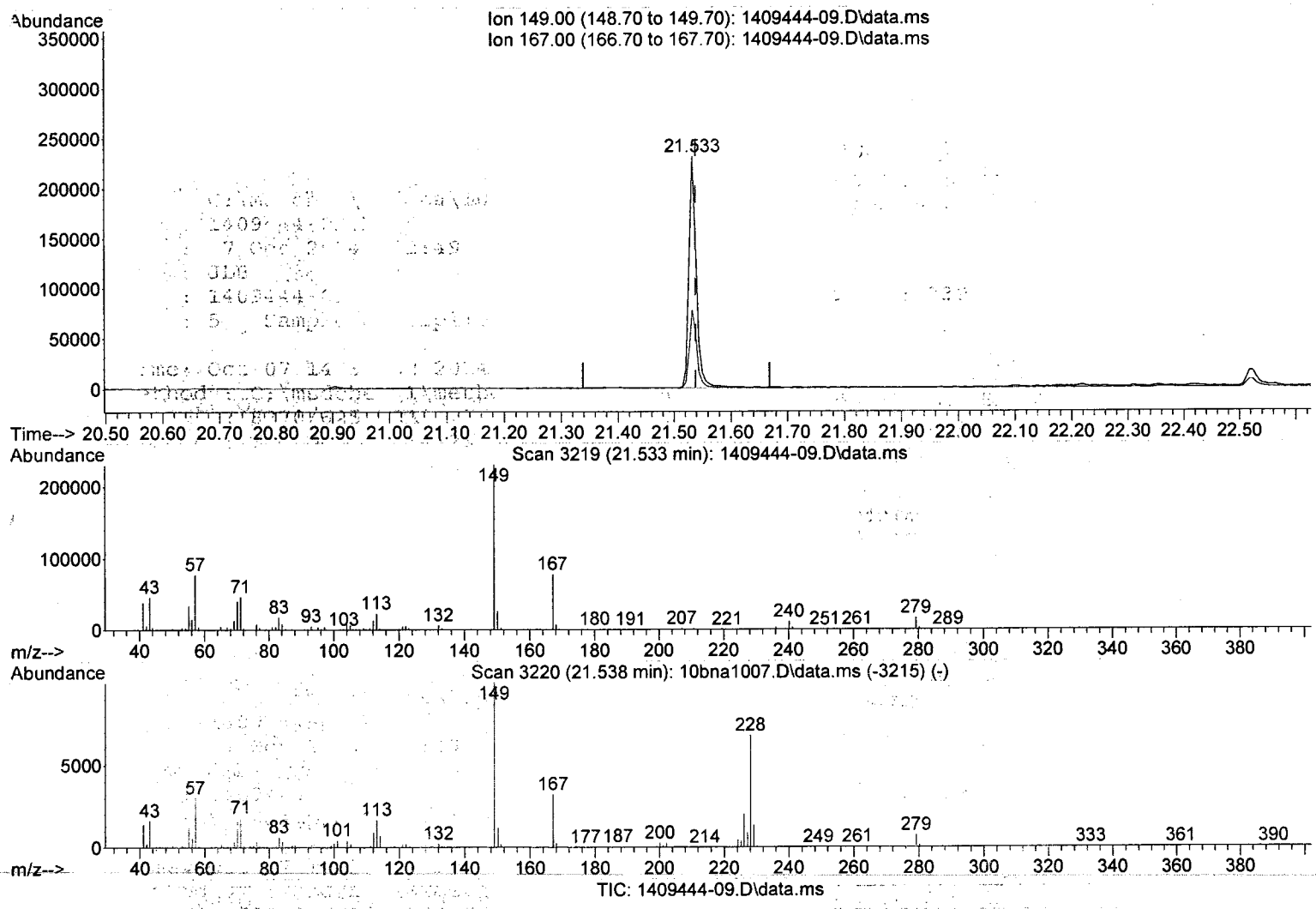
response 406317

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-09.D
Acq On : 7 Oct 2014 12:49
Operator : JLB
Sample : 1409444-09 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 14:31:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



TIC: 1409444-09.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.533min (-0.006) 1.49 ng/uL

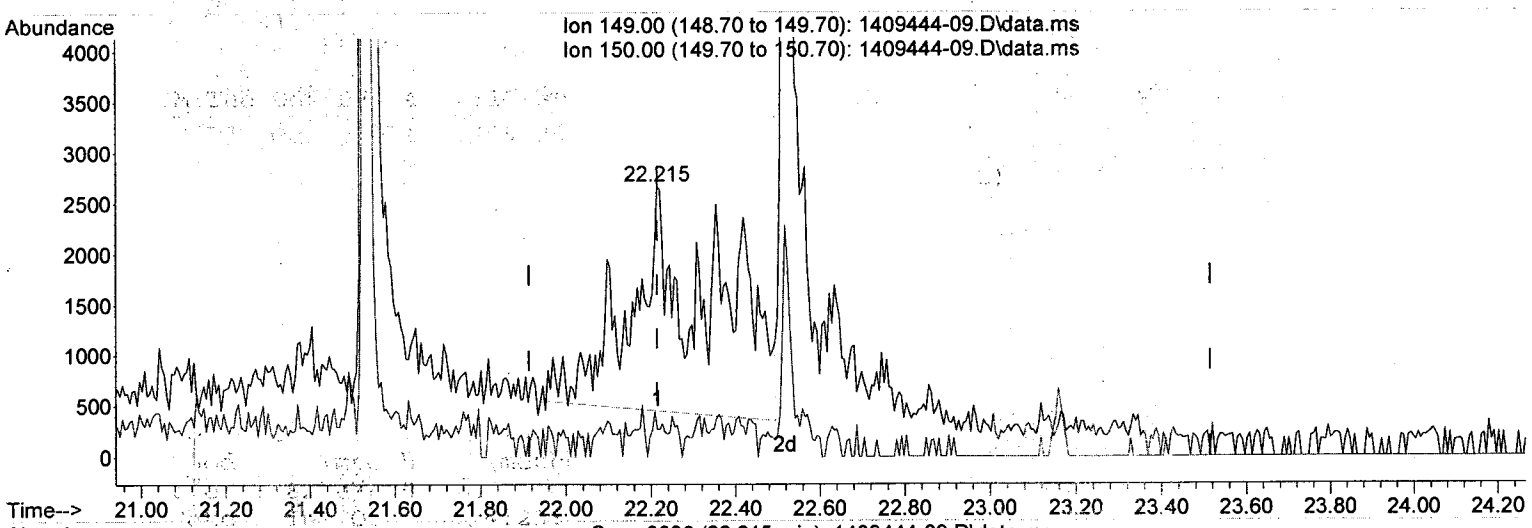
response 210669

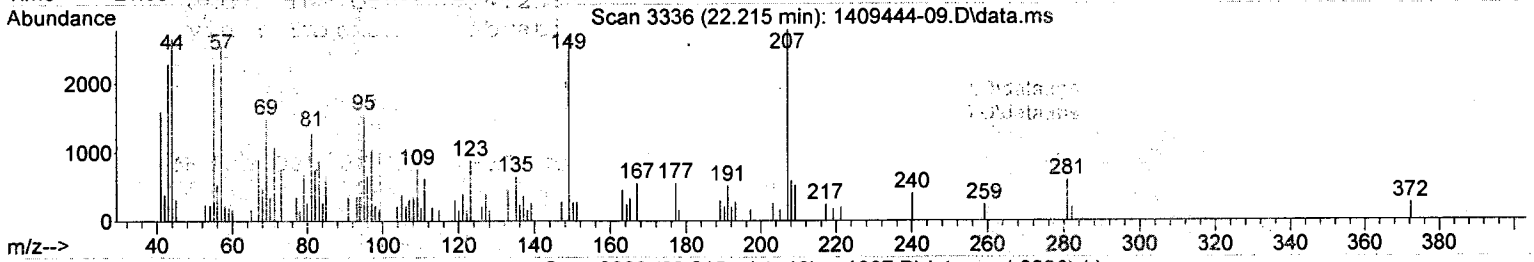
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.85
0.00	0.00	0.00
0.00	0.00	0.00

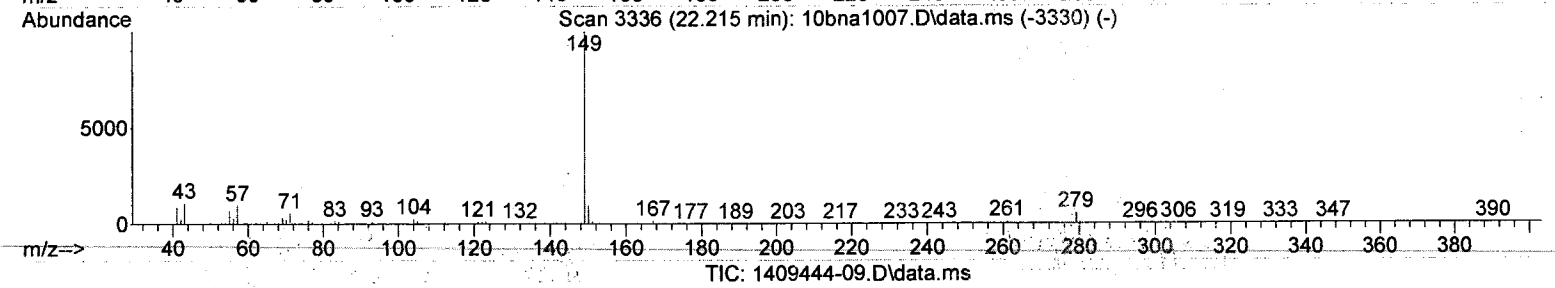
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-09.D
Acq On : 7 Oct 2014 12:49
Operator : JLB
Sample : 1409444-09 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 14:31:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-09.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.215min (0.000) 0.45 ng/uL

response 29774

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.69#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB22-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-10 File ID: 1409444-10 10x.D

Sampled: 09/24/14 11:35 Prepared: 09/30/14 07:32 Analyzed: 10/08/14 00:37

Solids: 95.47 Preparation: 3550C Sonication Extract Initial/Final: 31.1 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	170	48	170	170	U
208-96-8	Acenaphthylene	10	170	44	170	170	U
120-12-7	Anthracene	10	170	42	170	170	U
56-55-3	Benzo(a)anthracene	10	87	29	87	170	U
50-32-8	Benzo(a)pyrene	10	87	24	87	170	U
205-99-2	Benzo(b)fluoranthene	10	87	20	87	170	U
207-08-9	Benzo(k)fluoranthene	10	87	20	87	170	U
191-24-2	Benzo(g,h,i)perylene	10	87	20	87	350	U
65-85-0	Benzoic Acid	10	1700	720	1700	3500	U
100-51-6	Benzyl Alcohol	10	170	48	170	170	U
101-55-3	4-Bromophenyl Phenyl Ether	10	170	42	170	170	U
85-68-7	Butyl Benzyl Phthalate	10	170	42	170	350	U
86-74-8	Carbazole	10	170	42	170	1700	U
59-50-7	4-Chloro-3-methylphenol	10	170	52	170	170	U
106-47-8	4-Chloroaniline	10	170	93	170	700	U
111-91-1	Bis(2-chloroethoxy)methane	10	170	42	170	170	U
111-44-4	Bis(2-chloroethyl) Ether	10	170	41	170	170	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	87	38	87	170	U
91-58-7	2-Chloronaphthalene	10	170	51	170	170	U
95-57-8	2-Chlorophenol	10	170	41	170	170	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	170	40	170	170	U
218-01-9	Chrysene	10	170	41	170	170	U
53-70-3	Dibenz(a,h)anthracene	10	87	20	87	350	U
132-64-9	Dibenzofuran	10	170	51	170	170	U
84-74-2	Di-n-butyl Phthalate	10	350	140	350	700	U
106-46-7	1,4-Dichlorobenzene	10	170	50	170	170	U
95-50-1	1,2-Dichlorobenzene	10	170	57	170	170	U
541-73-1	1,3-Dichlorobenzene	10	170	59	170	170	U
91-94-1	3,3′-Dichlorobenzidine	10	7000	2900	7000	8700	U
120-83-2	2,4-Dichlorophenol	10	170	43	170	350	U
84-66-2	Diethyl Phthalate	10	170	51	170	170	U
105-67-9	2,4-Dimethylphenol	10	1400	380	1400	1700	U
131-11-3	Dimethyl Phthalate	10	170	49	170	170	U
534-52-1	4,6-Dinitro-2-methylphenol	10	700	220	700	1700	U
51-28-5	2,4-Dinitrophenol	10	1700	580	1700	1700	U
606-20-2	2,6-Dinitrotoluene	10	87	42	87	170	U
121-14-2	2,4-Dinitrotoluene	10	87	34	87	350	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB22-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-10
File ID: 1409444-10 10x.D
Sampled: 09/24/14 11:35
Prepared: 09/30/14 07:32
Analyzed: 10/08/14 00:37
Solids: 95.47
Preparation: 3550C Sonication Extract
Initial/Final: 31.1 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	170	41	170	170	U
122-66-7	1,2-Diphenylhydrazine	10	87	35	87	170	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	530	120	170	350	B
206-44-0	Fluoranthene	10	170	47	170	170	U
86-73-7	Fluorene	10	170	42	170	350	U
118-74-1	Hexachlorobenzene	10	170	50	170	170	U
87-68-3	Hexachlorobutadiene	10	170	48	170	170	U
67-72-1	Hexachloroethane	10	170	52	170	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	87	28	87	350	U
78-59-1	Isophorone	10	170	40	170	170	U
91-57-6	2-Methylnaphthalene	10	170	48	170	170	U
108-39-4	3+4-Methylphenol	10	87	38	87	170	U
95-48-7	2-Methylphenol	10	87	37	87	170	U
91-20-3	Naphthalene	10	170	59	170	170	U
100-01-6	4-Nitroaniline	10	700	260	700	3500	U
88-74-4	2-Nitroaniline	10	87	37	87	170	U
99-09-2	3-Nitroaniline	10	350	170	350	3500	U
98-95-3	Nitrobenzene	10	170	48	170	170	U
88-75-5	2-Nitrophenol	10	170	47	170	170	U
100-02-7	4-Nitrophenol	10	3500	1100	3500	7000	U
62-75-9	N-Nitroso-dimethylamine	10	70	35	70	350	U
86-30-6	N-Nitroso-diphenylamine	10	87	36	87	170	U
621-64-7	N-Nitroso-di-n-propylamine	10	170	42	170	170	U
87-86-5	Pentachlorophenol	10	170	140	170	1700	U
85-01-8	Phenanthrene	10	170	43	170	170	U
108-95-2	Phenol	10	170	41	170	1700	U
129-00-0	Pyrene	10	170	45	170	170	U
120-82-1	1,2,4-Trichlorobenzene	10	170	46	170	170	U
95-95-4	2,4,5-Trichlorophenol	10	170	47	170	170	U
88-06-2	2,4,6-Trichlorophenol	10	87	27	87	170	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	674	532	79	33 - 113	D
Phenol-d6	674	552	82	30 - 115	D
Nitrobenzene-d5	337	249	74	33 - 131	D
2-Fluorobiphenyl	337	296	88	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB22-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-10
File ID: 1409444-10 10x.D
Sampled: 09/24/14 11:35
Prepared: 09/30/14 07:32
Analyzed: 10/08/14 00:37
Solids: 95.47
Preparation: 3550C Sonication Extract
Initial/Final: 31.1 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	674	344	51	12 - 124	D
o-Terphenyl	337	320	95	20 - 155	D

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	432653	7.561	403279	7.614	
Naphthalene-d8	1706512	10.295	1529030	10.359	
Acenaphthene-d10	990887	14.398	866604	14.474	
Phenanthrene-d10	1642259	17.837	1400442	17.901	
Chrysene-d12	1306524	21.48	1153654	21.538	
Perylene-d12	577435	23.141	991596	23.211	

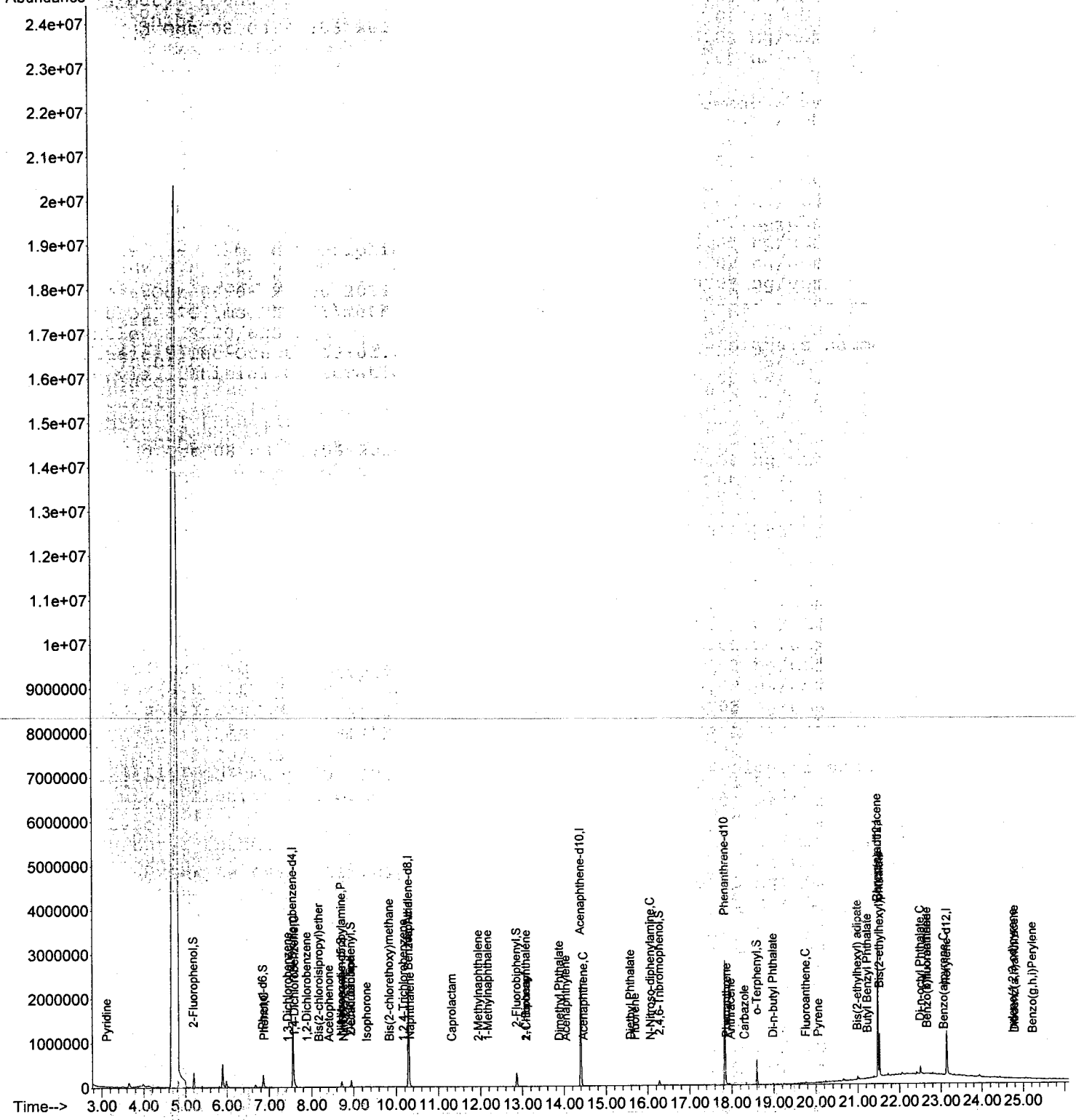
* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-10 10x.D
Acq On : 8 Oct 2014 00:37
Operator : JLB
Sample : 1409444-10 10x Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 08 08:21:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

TIC: 1409444-10 10x.D\data.ms



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-10 10x.D
Acq On : 8 Oct 2014 00:37
Operator : JLB
Sample : 1409444-10 10x Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 08 08:21:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.561	152	432653	5.00	ng/uL	# 0.01
20) Naphthalene-d8	10.295	136	1706512	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	990887	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.837	188	1642259	5.00	ng/uL	0.00
81) Chrysene-d12	21.480	240	1306524	5.00	ng/uL	#-0.01
89) Perylene-d12	23.141	264	577435	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.195	112	156110	1.58	ng/uL	0.06
6) Phenol-d6	6.856	99	209771	1.64	ng/uL	0.00
21) Nitrobenzene-d5	8.716	82	80444	0.74	ng/uL	-0.01
23) Decafluorobiphenyl	8.943	334	63429	0.83	ng/uL	0.00
47) 2-Fluorobiphenyl	12.866	172	179308	0.88	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	25411	1.02	ng/uL	-0.01
78) o-Terphenyl	18.601	230	133610	0.95	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.		
3) Pyridine	3.126	79	262	0.00	ng/uL#	14
5) Aniline	0.000		0	N.D.		
7) Phenol	6.885	94	512	0.00	ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.445	146	324	0.00	ng/uL	91
11) 1,4-Dichlorobenzene	7.596	146	190	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	7.888	146	192	0.00	ng/uL#	45
13) Bis(2-chloroisipropyl)...	8.179	45	272	0.00	ng/uL#	51
14) Benzyl Alcohol	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
16) Acetophenone	8.418	105	166	0.00	ng/uL#	86
17) Hexachloroethane	0.000		0	N.D.		
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.716	70	9937	~~0.13~~	ng/uL#	5
22) Nitrobenzene	8.768	77	65	0.00	ng/uL#	30
24) Isophorone	9.310	82	350	0.00	ng/uL#	58
25) 2-Chloroaniline	8.937	127	677	0.00	ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	9.846	93	59	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	10.301	105	2702	RT ~~2.48~~	ng/uL#	1
31) 1,2,4-Trichlorobenzene	10.179	180	56	0.00	ng/uL	88
32) Naphthalene	10.330	128	615	0.00	ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.		
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.321	55	159	0.00	ng/uL#	21
37) 1,2-Bis(2-chloroethoxy:..	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 2-Methylnaphthalene	11.956	142	121	0.00	ng/uL#	1
40) 1-Methylnaphthalene	12.178	142	165	0.00	ng/uL#	59
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-10 10x.D
Acq On : 8 Oct 2014 00:37
Operator : JLB
Sample : 1409444-10 10x Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 08 08:21:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43)	1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44)	Hexachlorocyclopentadiene	0.000		0	N.D.	
45)	2,4,6-Trichlorophenol	0.000		0	N.D.	
46)	2,4,5-Trichlorophenol	0.000		0	N.D.	
48)	2-Chloronaphthalene	13.093	162	245	0.00 ng/uL#	35
49)	1,1'-Biphenyl	13.087	154	312	0.00 ng/uL#	40
50)	2-Nitroaniline	0.000		0	N.D.	
51)	Acenaphthylene	14.043	152	212	0.00 ng/uL#	55
52)	2,6-Dinitrotoluene	0.000		0	N.D.	
53)	Dimethyl Phthalate	13.886	163	888	0.00 ng/uL	97
54)	3-Nitroaniline	0.000		0	N.D.	
55)	Acenaphthene	14.463	153	207	0.00 ng/uL#	55
56)	2,4-Dinitrophenol	0.000		0	N.D.	
57)	Dibenzofuran	0.000		0	N.D.	
58)	4-Nitrophenol	0.000		0	N.D.	
59)	2,4-Dinitrotoluene	0.000		0	N.D.	
60)	2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62)	Fluorene	15.698	166	61	0.00 ng/uL#	1
63)	Diethyl Phthalate	15.587	149	3599	0.02 ng/uL	95
64)	4-Chlorophenyl Phenyl ...	0.000		0	N.D.	
65)	4-Nitroaniline	0.000		0	N.D.	
67)	4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68)	N-Nitroso-diphenylamine	16.071	169	134	0.00 ng/uL#	26
69)	1,2-Diphenylhydrazine	0.000		0	N.D.	
71)	4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72)	Hexachlorobenzene	0.000		0	N.D.	
73)	Atrazine	0.000		0	N.D.	
74)	Pentachlorophenol	0.000		0	N.D.	
75)	Phenanthrene	17.878	178	2166	0.01 ng/uL	98
76)	Anthracene	17.977	178	661	0.00 ng/uL#	78
77)	Carbazole	18.304	167	319	0.00 ng/uL#	60
79)	Di-n-butyl Phthalate	18.986	149	14851	0.05 ng/uL	100
80)	Fluoranthene	19.767	202	3217	0.01 ng/uL	98
82)	Pyrene	20.058	202	4248	0.01 ng/uL#	91
83)	Butyl Benzyl Phthalate	21.230	149	406	0.00 ng/uL	99
84)	Bis(2-ethylhexyl) adipate	20.991	129	14494	0.19 ng/uL#	100
85)	Benzo(a)anthracene	21.480	228	8965	0.04 ng/uL#	15
86)	Chrysene	21.480	228	8965	0.04 ng/uL#	1
87)	Bis(2-ethylhexyl)phtha...	21.521	149	245057	1.56 ng/uL	91
88)	Di-n-octyl Phthalate	22.506	149	89590	0.65 ng/uL	95
90)	Benzo(b)fluoroanthene	22.669	252	2931	0.03 ng/uL#	66
91)	Benzo(k)fluoranthene	22.669	252	3003	0.03 ng/uL#	63
92)	Benzo(a)pyrene	23.071	252	1072	0.01 ng/uL#	56
93)	Indeno(1,2,3-cd)pyrene	24.750	276	2735	0.03 ng/uL#	72
94)	Dibdenz(a,h)anthracene	24.791	278	1481	0.02 ng/uL#	73
95)	Benzo(g,h,i)Perylene	25.228	276	1939	0.03 ng/uL#	57

(#) = qua[illegible] out of range (m) = manual integration (+) = signals summed

RT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-10 10x.D
Acq On : 8 Oct 2014 00:37
Operator : JLB
Sample : 1409444-10 10x Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 08 07:48:36 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

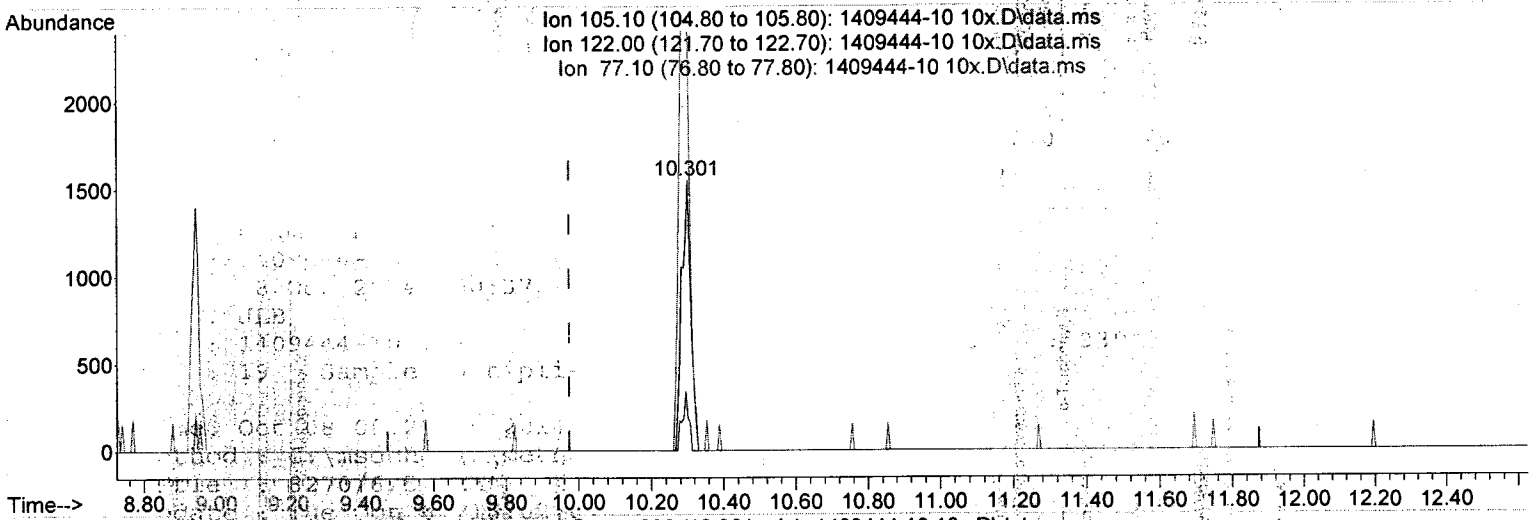
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.561	152	427440	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.295	136	1706512	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.398	164	980660	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.837	188	1643797	5.00	ng/uL		0.00
19) Chrysene-d12	21.480	240	1307051	5.00	ng/uL	#	0.00
22) Perylene-d12	23.141	264	585057	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.			
3) Pyridine	3.149	79	172	0.00	ng/uL	#	14
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.722	105	190	0.00	ng/uL	#	1
6) Acetophenone	8.418	105	166	0.00	ng/uL	#	86
7) N-Nitroso-di-n-propyla...	8.716	70	9937	0.12	ng/uL	#	5
9) 4-Chloroaniline	0.000		0	N.D.			
10) Caprolactam	11.292	55	148	0.10	ng/uL	#	21
12) 1,1'-Biphenyl	13.087	154	312	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.071	169	134	0.00	ng/uL	#	26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.000	184	292	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.131	252	1311	0.02	ng/uL		88

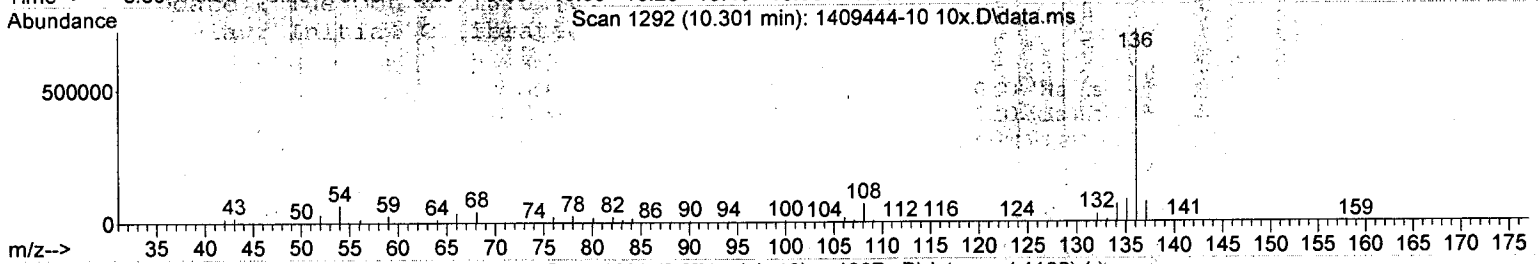
(#) = qualifier out of range (m) = manual integration (+) = signals summed

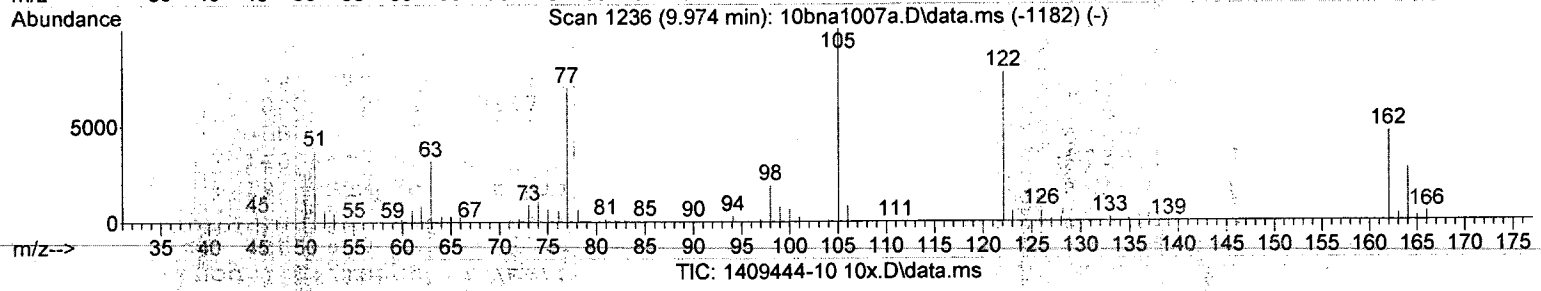
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-10 10x.D
Acq On : 8 Oct 2014 00:37
Operator : JLB
Sample : 1409444-10 10x Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 08 08:21:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-10 10x.D\data.ms

(30) Benzoic Acid

10.301min (+ 0.326) 2.48 ng/uL

response 2702

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	15.62#
77.10	74.70	217.80#
0.00	0.00	0.00

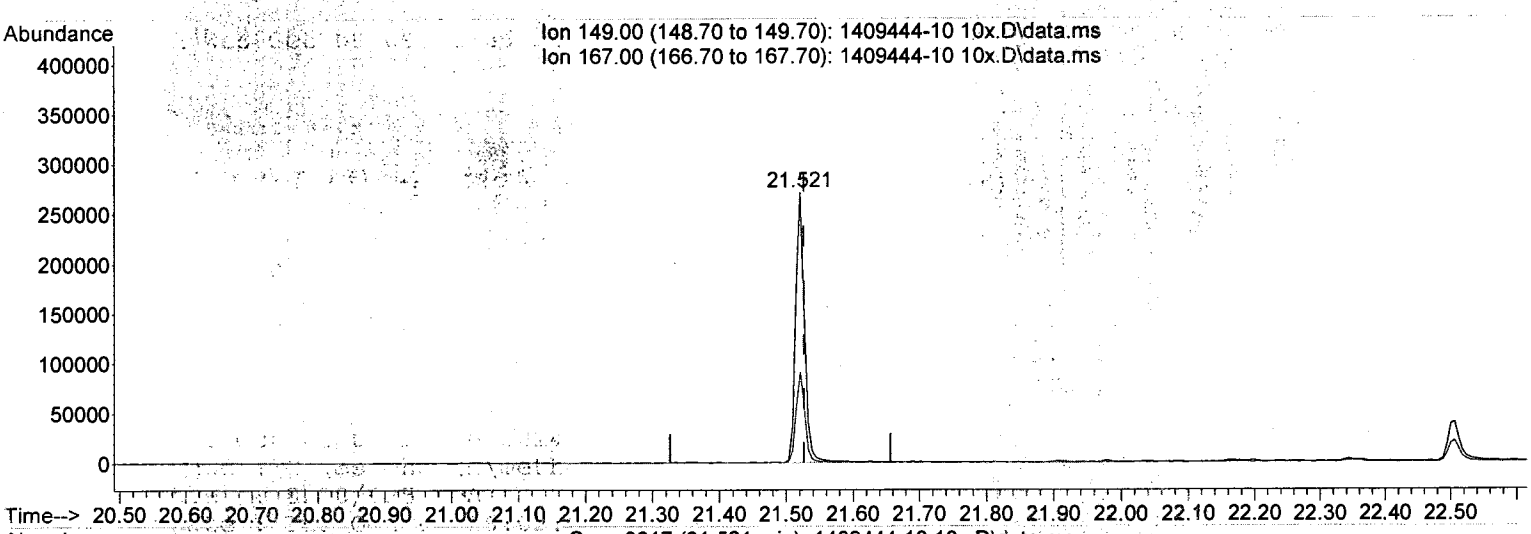
PP AT

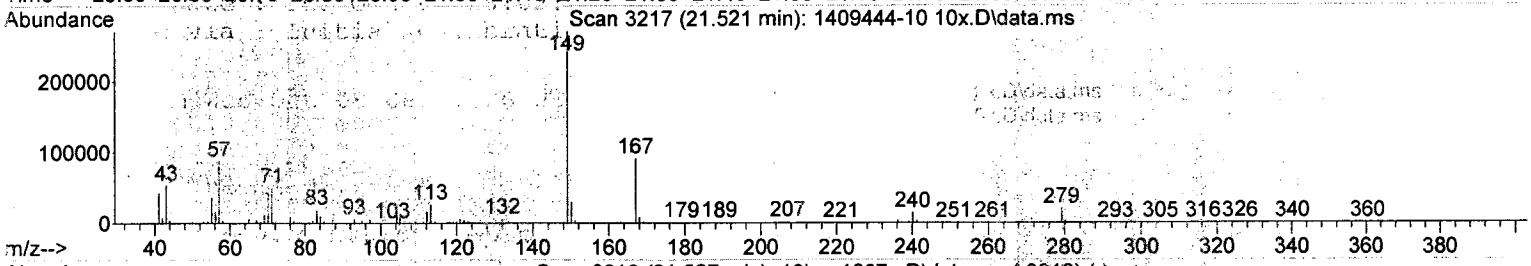
002452

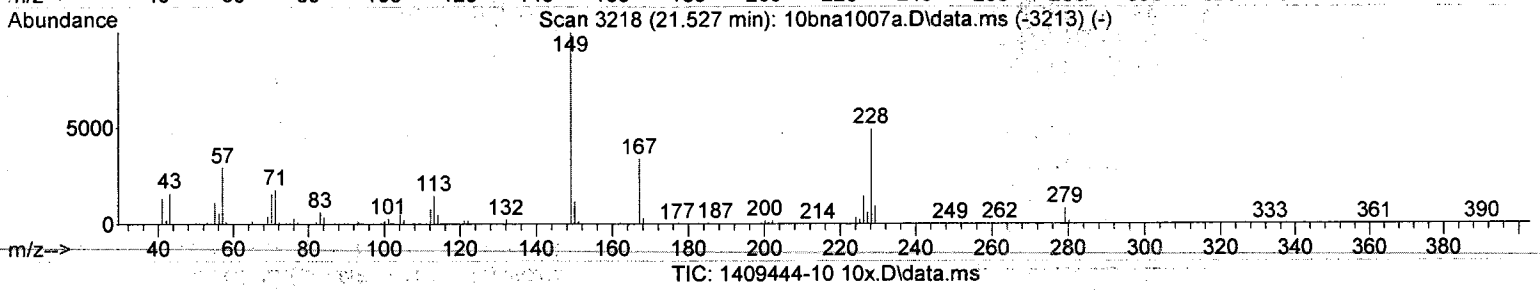
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409444-10 10x.D
Acq On : 8 Oct 2014 00:37
Operator : JLB
Sample : 1409444-10 10x Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 08 08:21:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409444-10 10x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.521min (-0.006) 1.56 ng/uL

response 245057

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.17
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB20-5

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-11 File ID: 1409444-11.D

Sampled: 09/24/14 08:35 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 13:21

Solids: 96.98 Preparation: 3550C Sonication Extract Initial/Final: 29.1 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	8.6	2.0	8.6	17	U
207-08-9	Benzo(k)fluoranthene	1	8.6	2.0	8.6	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.6	1.9	8.6	34	U
65-85-0	Benzoic Acid	1	89	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	41	14	34	69	J
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB20-5

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-11 File ID: 1409444-11.D

Sampled: 09/24/14 08:35 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 13:21

Solids: 96.98 Preparation: 3550C Sonication Extract Initial/Final: 29.1 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	62	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.5	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	709	386	54	33 - 113	
Phenol-d6	709	307	43	30 - 115	
Nitrobenzene-d5	354	259	73	33 - 131	
2-Fluorobiphenyl	354	303	85	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB20-5

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-11
File ID: 1409444-11.D
Sampled: 09/24/14 08:35
Prepared: 09/30/14 07:32
Analyzed: 10/07/14 13:21
Solids: 96.98
Preparation: 3550C Sonication Extract
Initial/Final: 29.1 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08017
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	709	575	81	12 - 124	
o-Terphenyl	354	318	90	20 - 155	

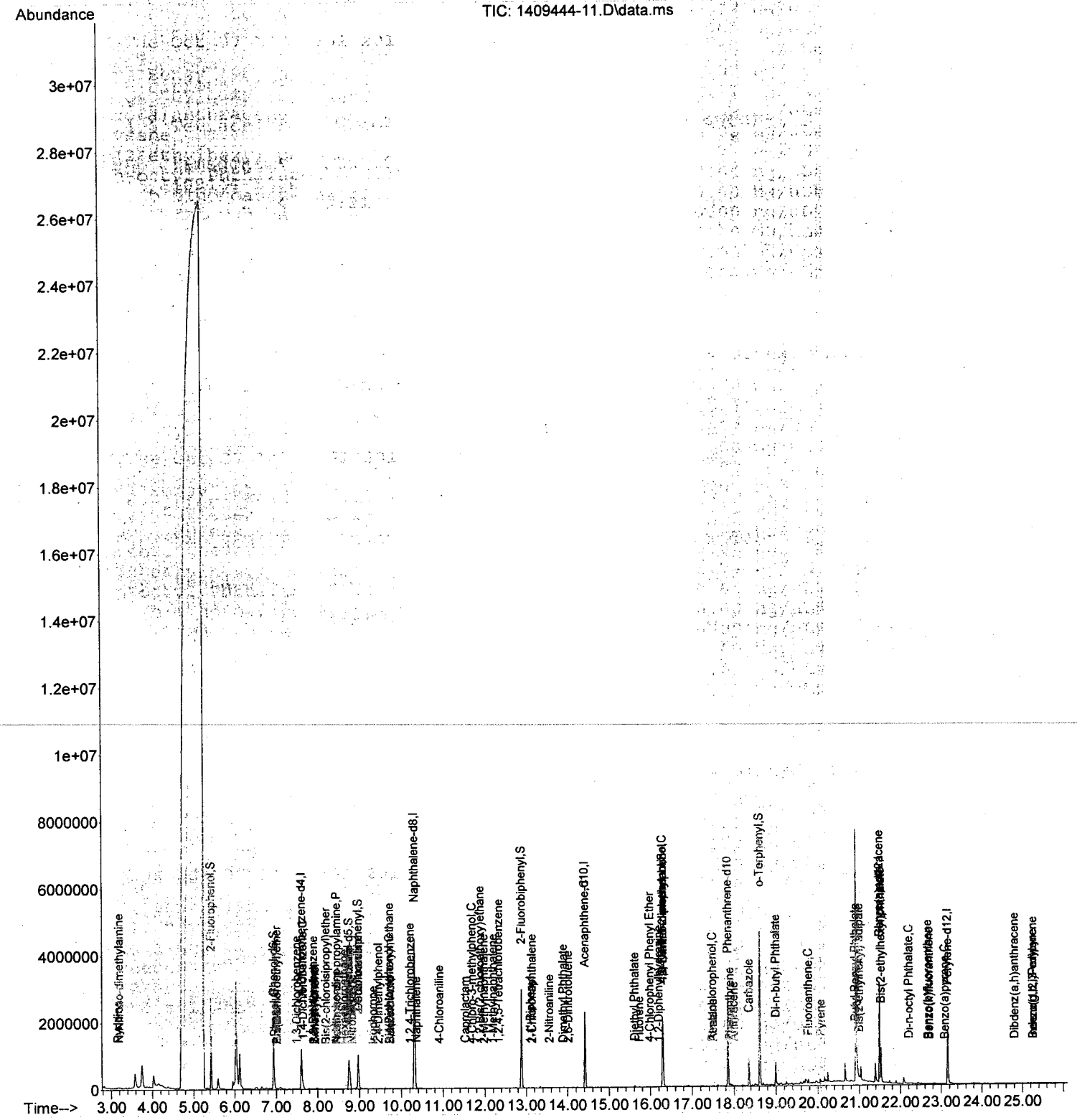
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	410489	7.614	403279	7.614	
Naphthalene-d8	1465798	10.318	1529030	10.359	
Acenaphthene-d10	941066	14.416	866604	14.474	
Phenanthrene-d10	1552450	17.855	1400442	17.901	
Chrysene-d12	1243610	21.497	1153654	21.538	
Perylene-d12	910537	23.159	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-11.D
Acq On : 7 Oct 2014 13:21
Operator : JLB
Sample : 1409444-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 07 14:33:35 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-11.D
Acq On : 7 Oct 2014 13:21
Operator : JLB
Sample : 1409444-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 07 14:33:35 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.614	152	410489	5.00	ng/uL	# 0.04
20) Naphthalene-d8	10.318	136	1465798	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.416	164	941066	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.855	188	1552450	5.00	ng/uL	0.00
81) Chrysene-d12	21.497	240	1243610	5.00	ng/uL	# 0.00
89) Perylene-d12	23.159	264	910537	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	1020561	10.88	ng/uL	0.27
6) Phenol-d6	6.943	99	1049634	8.65	ng/uL	0.06
21) Nitrobenzene-d5	8.750	82	684386	7.30	ng/uL	0.00
23) Decafluorobiphenyl	8.972	334	540364	8.23	ng/uL	0.00
47) 2-Fluorobiphenyl	12.889	172	1660096	8.54	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.298	330	382204	16.23	ng/uL	-0.02
78) o-Terphenyl	18.618	230	1192019	8.96	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.201	74	705	0.01	ng/uL	95
3) Pyridine	3.172	79	358	0.00	ng/uL	93
5) Aniline	7.019	93	375	0.23	ng/uL#	1
7) Phenol	6.967	94	1696	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.019	93	375	0.00	ng/uL#	1
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.497	146	2629	0.02	ng/uL#	4
11) 1,4-Dichlorobenzene	7.649	146	1378	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.899	146	366	0.00	ng/uL#	1
13) Bis(2-chlorbisipropyl)...	8.202	45	448	0.00	ng/uL#	51
14) Benzyl Alcohol	7.917	108	286	0.00	ng/uL#	53
15) 2-Methylphenol	7.940	108	251	0.00	ng/uL#	1
16) Acetophenone	8.453	105	789	0.01	ng/uL#	15
17) Hexachloroethane	8.639	119	73	0.00	ng/uL#	3
18) 4-Methylphenol	8.739	108	302	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.459	70	240	0.00	ng/uL#	1
22) Nitrobenzene	8.826	77	199	0.00	ng/uL#	54
24) Isophorone	9.327	82	692	0.00	ng/uL#	81
25) 2-Chloroaniline	8.966	127	6848	0.06	ng/uL#	59
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.456	107	108	0.00	ng/uL	86
28) Bis(2-chlorethoxy)methane	9.724	93	60	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	9.718	162	129	0.00	ng/uL#	18
30) Benzoic Acid	9.741	105	5608m	2.52	ng/uL	
31) 1,2,4-Trichlorobenzene	10.213	180	1259	0.01	ng/uL	98
32) Naphthalene	10.359	128	1281	0.00	ng/uL#	1
33) 4-Chloroaniline	10.913	127	556	0.01	ng/uL#	43
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.536	55	10311	0.24	ng/uL#	29
37) 1,2-Bis(2-chloroethoxy...	11.892	63	135	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.700	107	464	0.01	ng/uL#	26
39) 2-Methylnaphthalene	11.979	142	145	0.00	ng/uL#	91
40) 1-Methylnaphthalene	12.201	142	56	0.00	ng/uL#	1
41) 1,3-Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-11.D
Acq On : 7 Oct 2014 13:21
Operator : JLB
Sample : 1409444-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 07 14:33:35 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.335	216	111	0.00 ng/uL#	68
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.139	162	372	0.00 ng/uL	89
49) 1,1'-Biphenyl	13.104	154	852	0.00 ng/uL#	79
50) 2-Nitroaniline	13.559	138	107	0.00 ng/uL#	10
51) Acenaphthylene	0.000		0	N.D.	
52) 2,6-Dinitrotoluene	14.019	165	590	0.01 ng/uL#	31
53) Dimethyl Phthalate	13.897	163	4337	0.02 ng/uL#	78
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.416	153	76	0.00 ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	0.000		0	N.D.	
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.727	166	83	0.00 ng/uL#	1
63) Diethyl Phthalate	15.616	149	11990	0.06 ng/uL	98
64) 4-Chlorophenyl Phenyl ...	15.984	204	372	0.00 ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	16.304	198	1016	RT ~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.298	169	14970	0.09 ng/uL#	40
69) 1,2-Diphenylhydrazine	16.205	182	888	0.01 ng/uL#	69
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.493	200	54	0.00 ng/uL#	25
74) Pentachlorophenol	17.482	266	491	0.01 ng/uL#	3
75) Phenanthrene	17.895	178	2233	0.01 ng/uL#	78
76) Anthracene	17.994	178	169	0.00 ng/uL#	1
77) Carbazole	18.356	167	14695	0.06 ng/uL#	61
79) Di-n-butyl Phthalate	18.997	149	349676	1.17 ng/uL	99
80) Fluoroanthene	19.778	202	1260	0.00 ng/uL#	51
82) Pyrene	20.069	202	1438	0.00 ng/uL#	1
83) Butyl Benzyl Phthalate	20.903	149	7930m	0.07 ng/uL	
84) Bis(2-ethylhexyl) adipate	21.002	129	4684	0.11 ng/uL#	100
85) Benzo(a)anthracene	21.497	228	4016	0.02 ng/uL#	1
86) Chrysene	21.497	228	4016	0.02 ng/uL#	87
87) Bis(2-ethylhexyl)phtha...	21.532	149	259090	1.74 ng/uL	91
88) Di-n-octyl phthalate	22.209	149	82374	RT ~~0.64~~ ng/uL#	76
90) Benzo(b)fluoranthene	22.675	252	735	0.00 ng/uL#	61
91) Benzo(k)fluoranthene	22.710	252	381	0.00 ng/uL#	69
92) Benzo(a)pyrene	23.089	252	426	0.00 ng/uL#	23
93) Indeno(1,2,3-cd)pyrene	25.263	276	1484	0.01 ng/uL#	84
94) Dibdenz(a,h)anthracene	24.808	278	591	0.01 ng/uL#	60
95) Benzo(g,h,i)Perylene	25.263	276	1484	0.01 ng/uL#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-11.D
Acq On : 7 Oct 2014 13:21
Operator : JLB
Sample : 1409444-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 07 13:54:27 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration

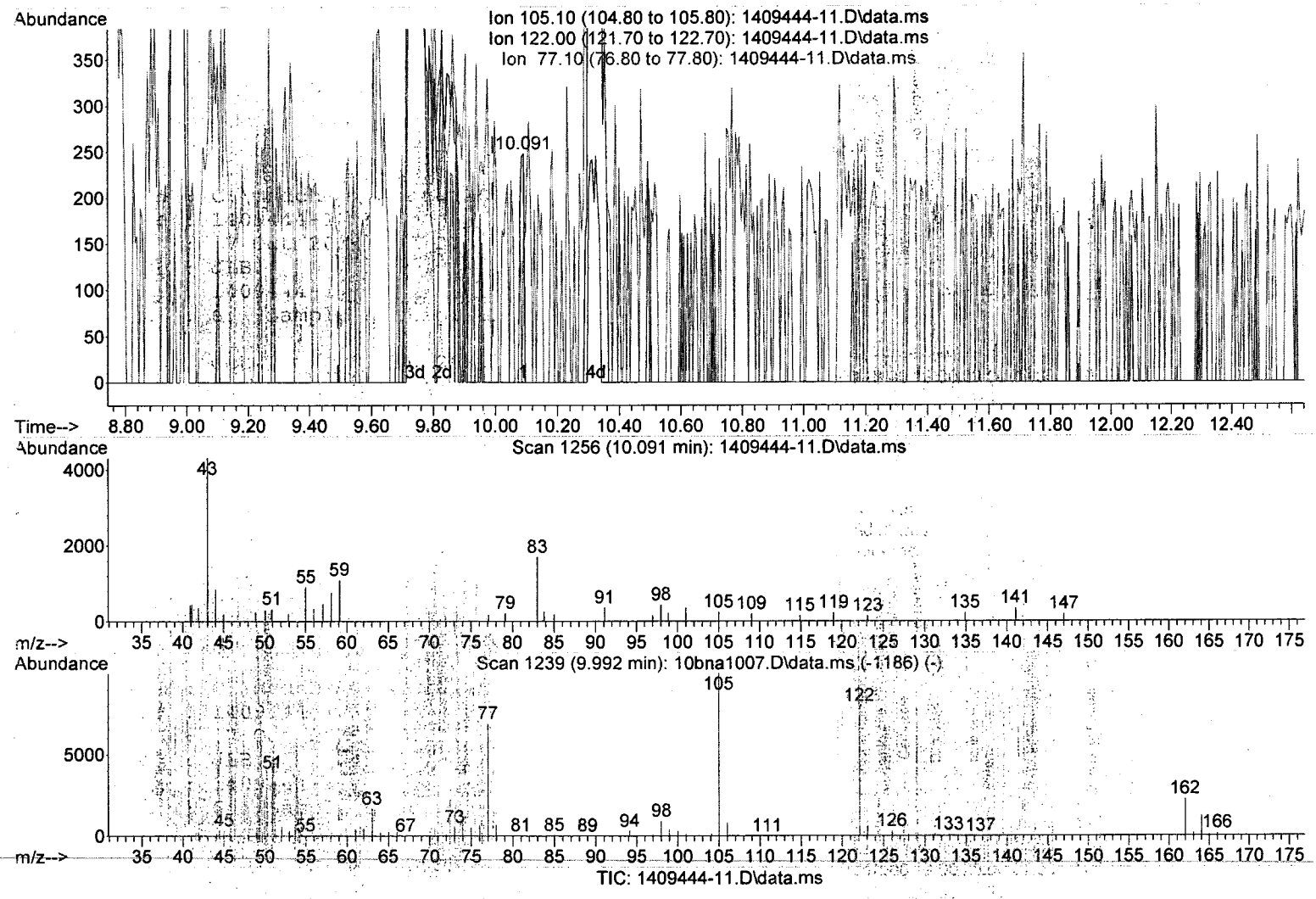
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	400530	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.318	136	1465798	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.416	164	939890	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.855	188	1552450	5.00	ng/uL		0.00
19) Chrysene-d12	21.497	240	1243610	5.00	ng/uL	#	0.00
22) Perylene-d12	23.159	264	920029	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.254	74	577	0.01	ng/uL		86
3) Pyridine	3.143	79	324	0.00	ng/uL		87
4) Aniline	7.019	93	375	0.00	ng/uL#		1
5) Benzaldehyde	6.786	105	2674	0.03	ng/uL#		1
6) Acetophenone	8.453	105	789	0.01	ng/uL#		15
7) N-Nitroso-di-n-propyla...	8.459	70	240	0.00	ng/uL#		1
9) 4-Chloroaniline	10.528	127	125	0.01	ng/uL#		23
10) Caprolactam	11.292	55	2164	0.14	ng/uL#		13
12) 1,1'-Biphenyl	13.104	154	852	0.00	ng/uL#		79
13) 2-Nitroaniline	13.559	138	107	0.01	ng/uL#		10
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.896	138	55	Below Cal	#		1
17) N-Nitroso-diphenylamine	16.298	169	14970	0.08	ng/uL#		40
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.017	184	227	0.41	ng/uL#		1
21) 3,3'-Dichlorobenzidine	21.474	252	60	0.00	ng/uL#		19

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-11.D
Acq On : 7 Oct 2014 13:21
Operator : JLB
Sample : 1409444-11
Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 07 14:32:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



(30) Benzoic Acid

10.091min (+ 0.099) 2.46 ng/uL

response 240

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	173.33#
0.00	0.00	0.00

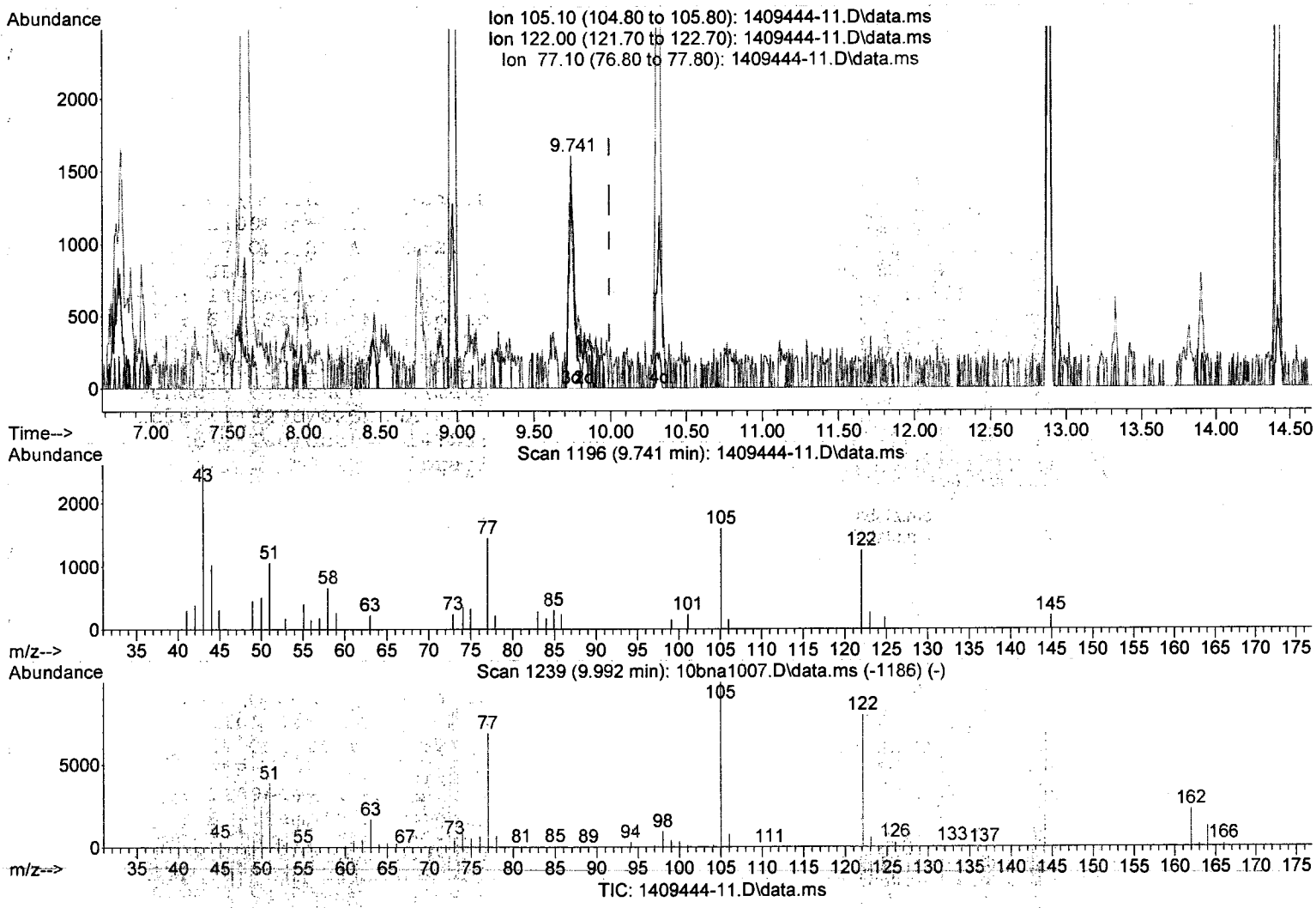
JLD 10/8/14

002461

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-11.D
Acq On : 7 Oct 2014 13:21
Operator : JLB
Sample : 1409444-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 07 14:32:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.741min (-0.251) 2.52 ng/uL m

response 5608

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	7.42#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No

Analyst: JLB Date: 10/8/14

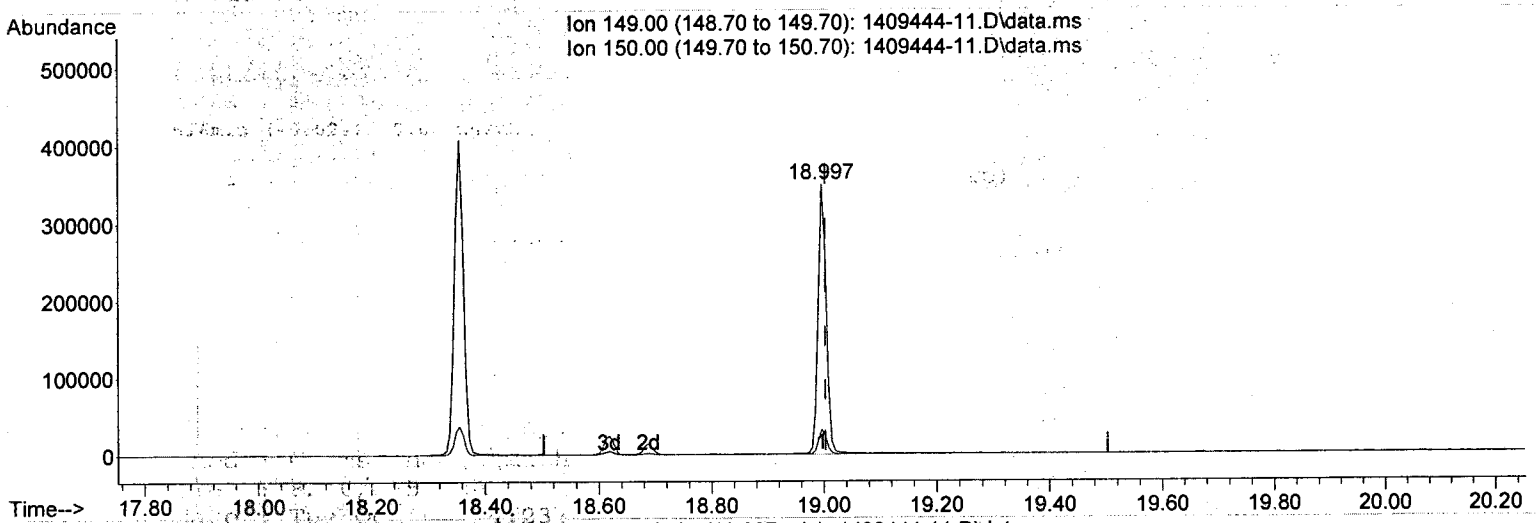
Reviewed By: ASC Date: 10/10/14

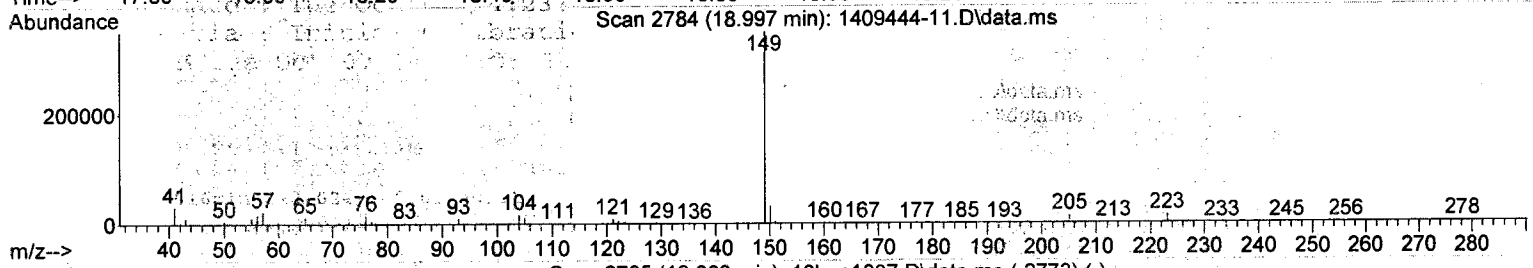
002462

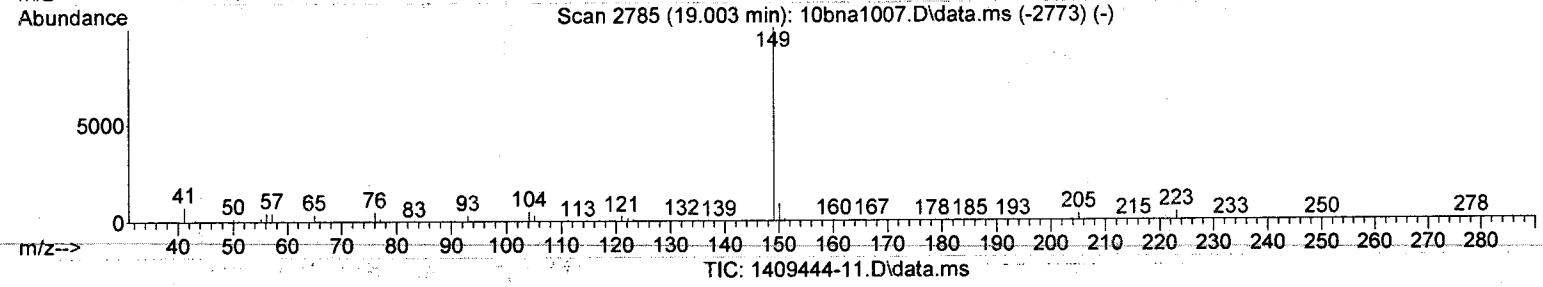
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-11.D
Acq On : 7 Oct 2014 13:21
Operator : JLB
Sample : 1409444-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 07 14:32:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-11.D\data.ms

(79) Di-n-butyl Phthalate

18.997min (-0.006) 1.17 ng/uL

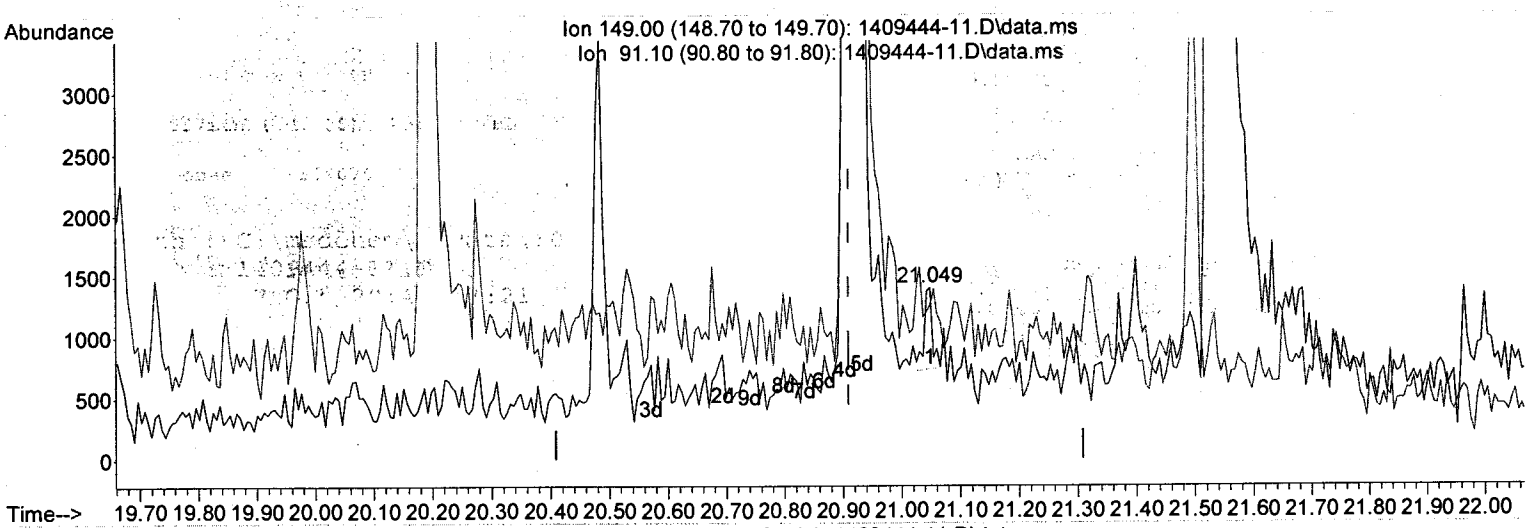
response 349676

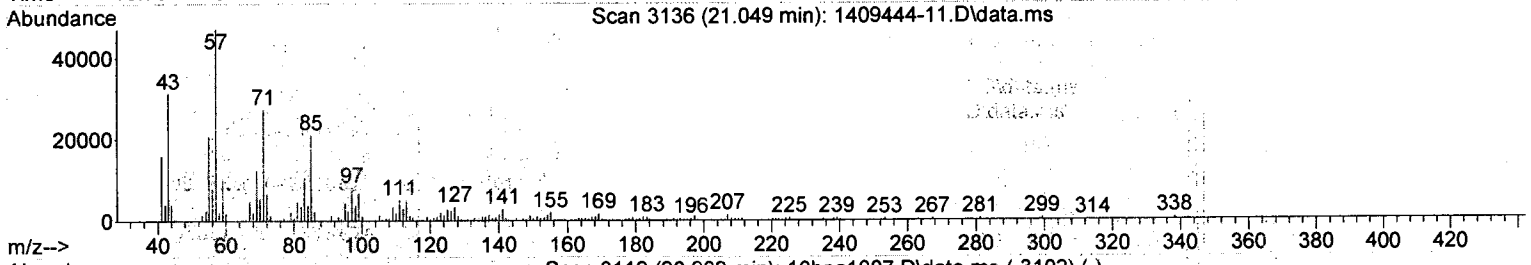
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.33
0.00	0.00	0.00
0.00	0.00	0.00

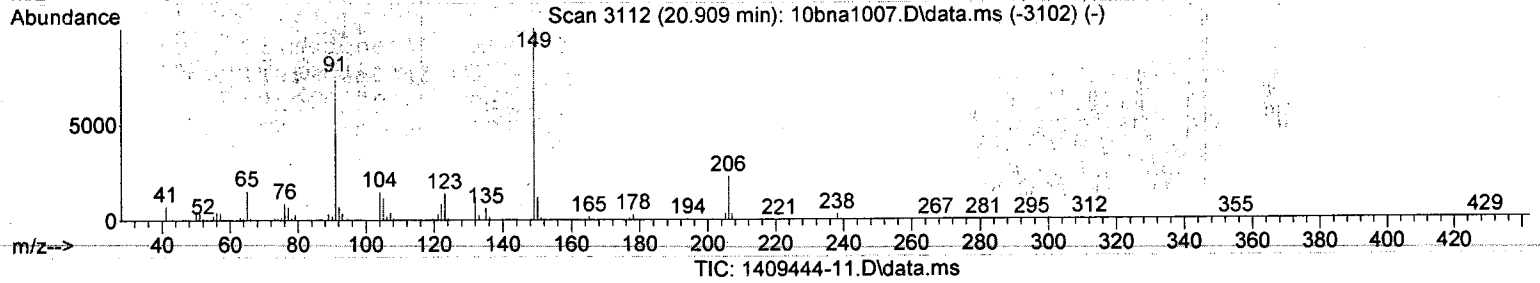
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-11.D
Acq On : 7 Oct 2014 13:21
Operator : JLB
Sample : 1409444-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 07 14:32:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-11.D\data.ms

(83) Butyl Benzyl Phthalate

21.049min (+ 0.140) 0.01 ng/uL

response 641

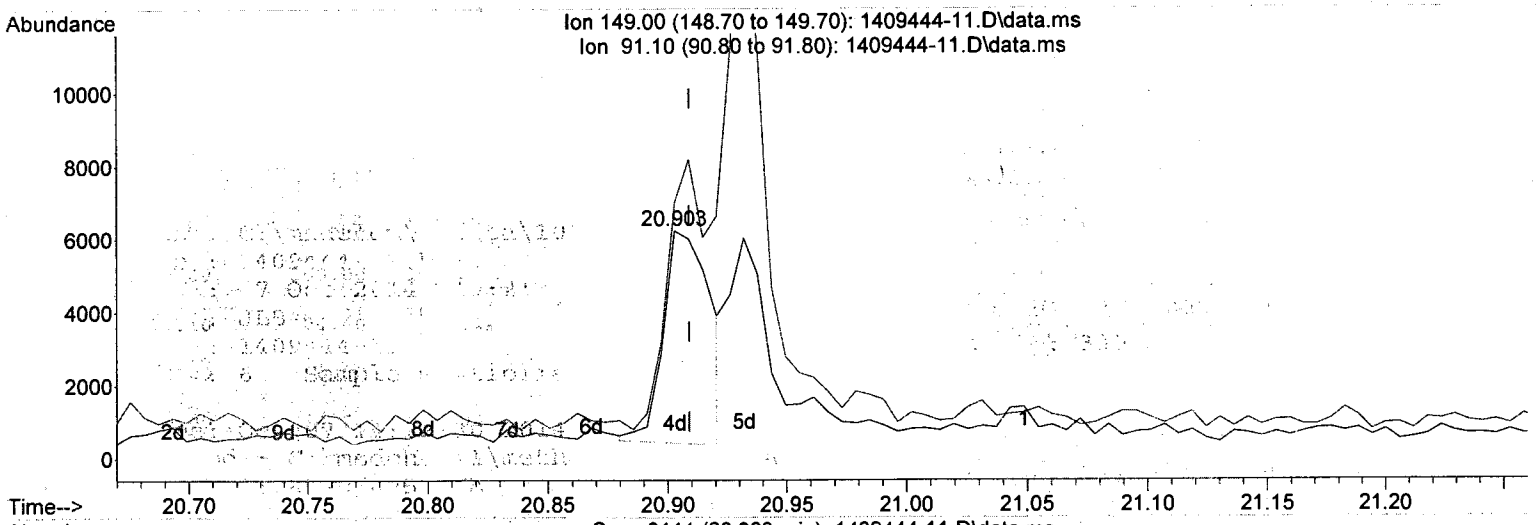
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	73.01
0.00	0.00	0.00
0.00	0.00	0.00

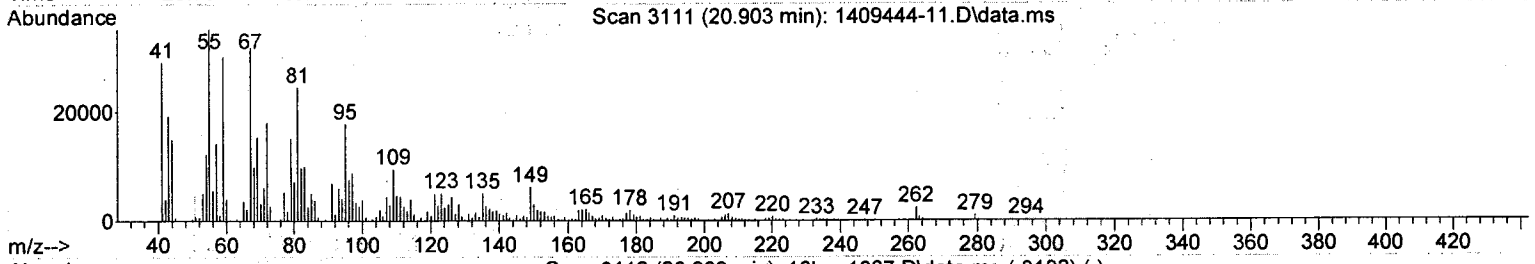
JWS 10/8/14

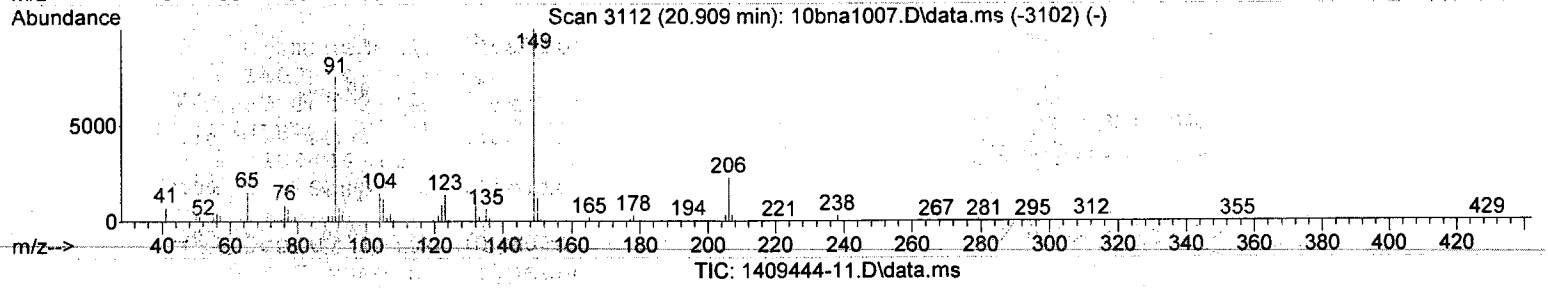
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-11.D
Acq On : 7 Oct 2014 13:21
Operator : JLB
Sample : 1409444-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 07 14:32:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-11.D\data.ms

(83) Butyl Benzyl Phthalate

20.903min (-0.006) 0.07 ng/uL m

response 7930

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	5.90#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/8/14

Reviewed By: ASC Date: 10/10/14

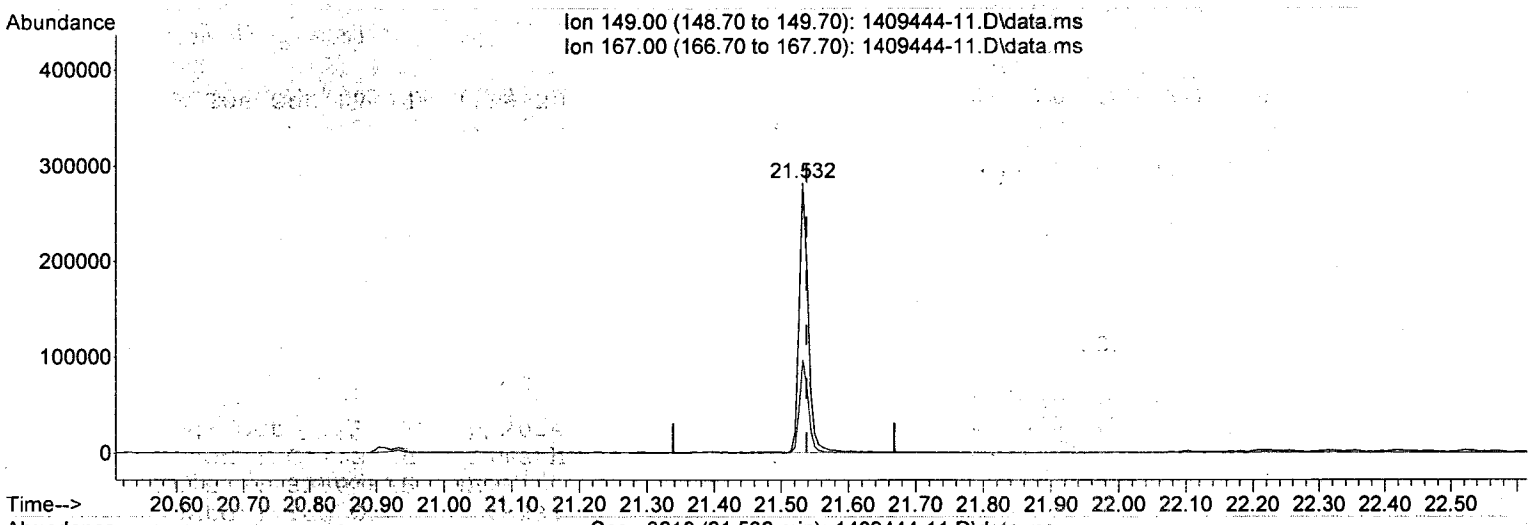
cmol

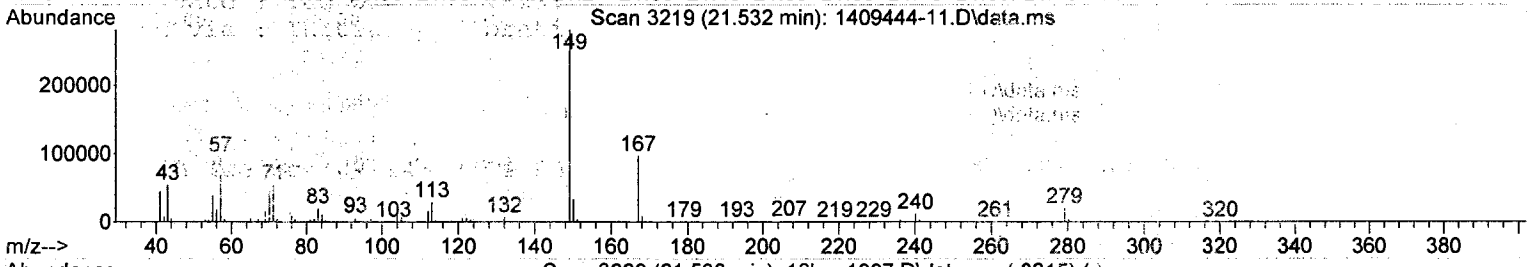
002465

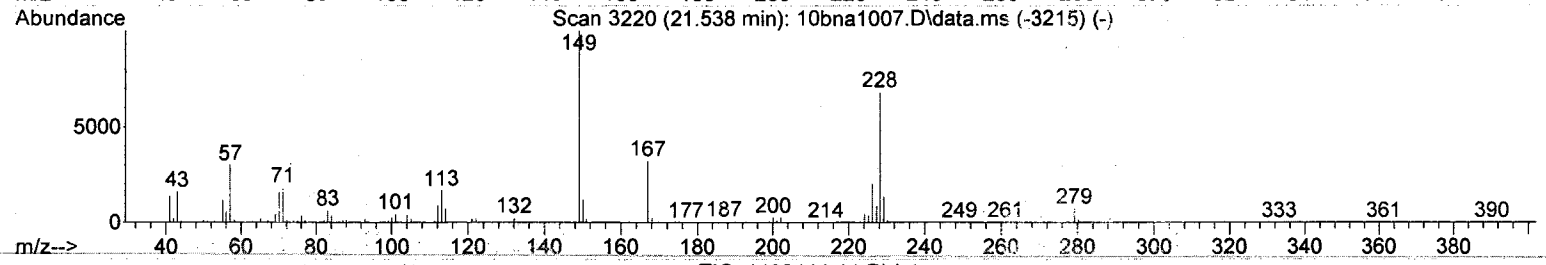
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-11.D
Acq On : 7 Oct 2014 13:21
Operator : JLB
Sample : 1409444-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 07 14:32:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response Via : Initial Calibration







TIC: 1409444-11.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.532min (-0.006) 1.74 ng/uL

response 259090

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.81
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB20-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-12 File ID: 1409444-12.D

Sampled: 09/24/14 09:10 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 13:54

Solids: 97.39 Preparation: 3550C Sonication Extract Initial/Final: 29.6 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	8.6	2.0	8.6	17	U
207-08-9	Benzo(k)fluoranthene	1	8.6	2.0	8.6	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.6	1.9	8.6	34	U
65-85-0	Benzoic Acid	1	87	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	22	14	34	68	J
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	290	680	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB20-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409444-12 File ID: 1409444-12.D

Sampled: 09/24/14 09:10 Prepared: 09/30/14 07:32 Analyzed: 10/07/14 13:54

Solids: 97.39 Preparation: 3550C Sonication Extract Initial/Final: 29.6 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.4	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	65	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.6	8.6	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.5	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	694	531	77	33 - 113	
Phenol-d6	694	455	66	30 - 115	
Nitrobenzene-d5	347	281	81	33 - 131	
2-Fluorobiphenyl	347	295	85	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU14SB20-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409444-12
File ID: 1409444-12.D
Sampled: 09/24/14 09:10
Prepared: 09/30/14 07:32
Analyzed: 10/07/14 13:54
Solids: 97.39
Preparation: 3550C Sonication Extract
Initial/Final: 29.6 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08017
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	694	588	85	12 - 124	
o-Terphenyl	347	313	90	20 - 155	

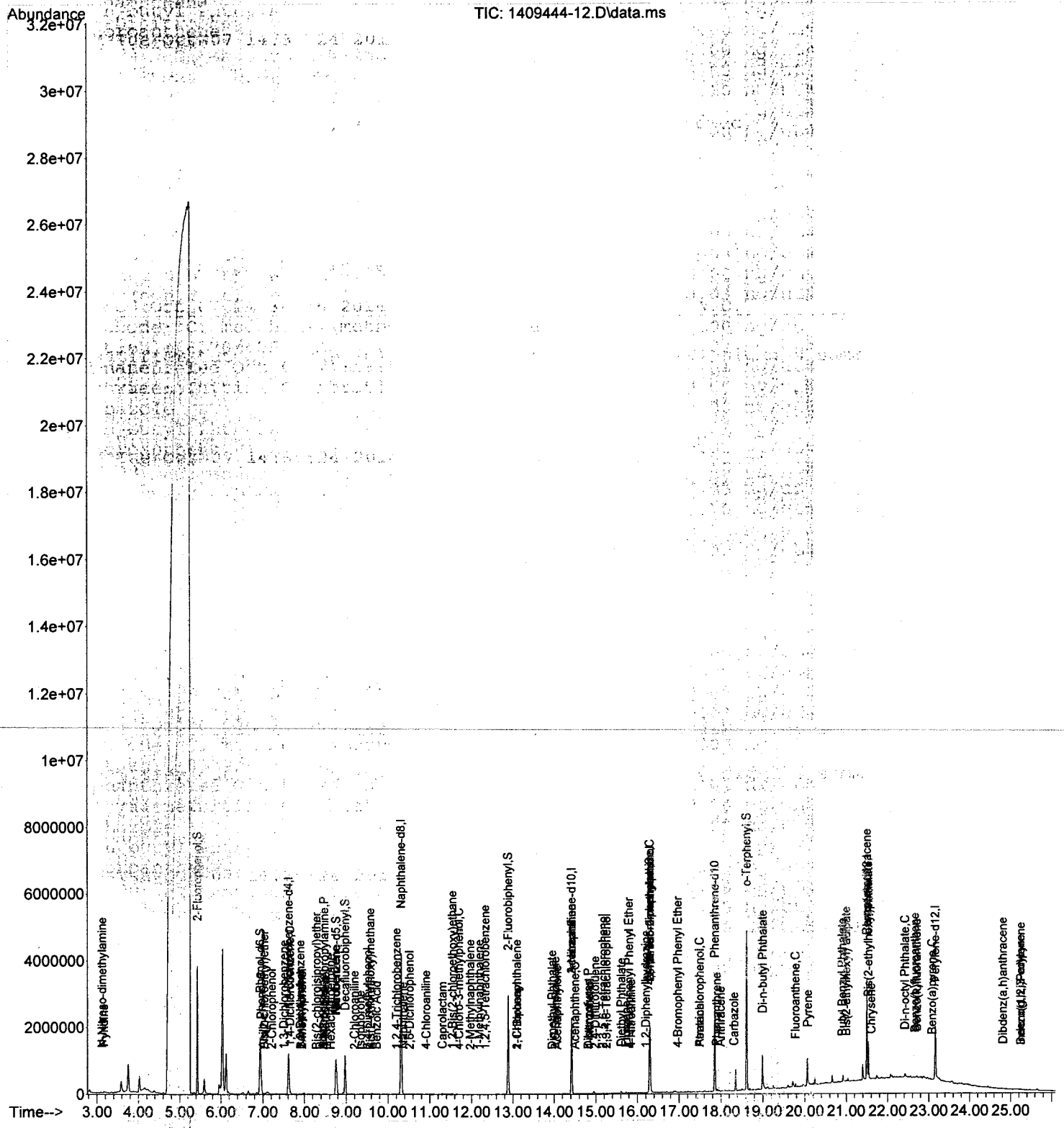
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	414968	7.614	403279	7.614	
Naphthalene-d8	1573703	10.318	1529030	10.359	
Acenaphthene-d10	953529	14.422	866604	14.474	
Phenanthrene-d10	1558467	17.855	1400442	17.901	
Chrysene-d12	1290158	21.497	1153654	21.538	
Perylene-d12	922849	23.159	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-12.D
Acq On : 7 Oct 2014 13:54
Operator : JLB
Sample : 1409444-12 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 14:34:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-12.D
Acq On : 7 Oct 2014 13:54
Operator : JLB
Sample : 1409444-12 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 14:34:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	414968	5.00	ng/uL	#	0.04
20) Naphthalene-d8	10.318	136	1573703	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.422	164	953529	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.855	188	1558467	5.00	ng/uL		0.00
81) Chrysene-d12	21.497	240	1290158	5.00	ng/uL	#	0.00
89) Perylene-d12	23.159	264	922849	5.00	ng/uL	#	-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.434	112	1451482	15.31	ng/uL		0.27
6) Phenol-d6	6.938	99	1608624	13.11	ng/uL		0.05
21) Nitrobenzene-d5	8.756	82	815628	8.11	ng/uL		0.00
23) Decafluorobiphenyl	8.972	334	604029	8.56	ng/uL		0.00
47) 2-Fluorobiphenyl	12.889	172	1671941	8.49	ng/uL		-0.01
70) 2,4,6-Tribromophenol	16.298	330	400626	16.95	ng/uL		-0.02
78) o-Terphenyl	18.618	230	1204796	9.02	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.126	74	339	0.01	ng/uL	#	1
3) Pyridine	3.172	79	2292	0.02	ng/uL	#	22
5) Aniline	7.013	93	215	0.22	ng/uL	#	1
7) Phenol	6.961	94	2266	0.02	ng/uL	#	1
8) Bis(2-chloroethyl)ether	7.037	93	271	0.00	ng/uL	#	21
9) 2-Chlorophenol	7.212	128	140	0.00	ng/uL	#	43
10) 1,3-Dichlorobenzene	7.503	146	3091	0.03	ng/uL	#	14
11) 1,4-Dichlorobenzene	7.649	146	1324	0.01	ng/uL	#	1
12) 1,2-Dichlorobenzene	7.899	146	257	0.00	ng/uL	#	1
13) Bis(2-chloroisipropyl)...	8.290	45	545	0.00	ng/uL	#	18
14) Benzyl Alcohol	7.911	108	135	0.00	ng/uL	#	1
15) 2-Methylphenol	7.946	108	338	0.00	ng/uL	#	1
16) Acetophenone	8.441	105	918	0.01	ng/uL	#	52
17) Hexachloroethane	8.628	119	397	0.01	ng/uL	#	3
18) 4-Methylphenol	8.500	108	68	0.00	ng/uL	#	1
19) N-Nitroso-di-n-propyla...	8.476	70	421	0.01	ng/uL	#	1
22) Nitrobenzene	8.750	77	3201	0.03	ng/uL	#	1
24) Isophorone	9.345	82	1111	0.01	ng/uL		95
25) 2-Chloroaniline	9.199	127	129	0.00	ng/uL	#	1
26) 2-Nitrophenol	0.000		0	N.D.			
27) 2,4-Dimethylphenol	9.514	107	70	0.00	ng/uL	#	18
28) Bis(2-chlorethoxy)methane	9.578	93	69	0.00	ng/uL		88
29) 2,4-Dichlorophenol	0.000		0	N.D.			
30) Benzoic Acid	9.724	105	4342m	2.51	ng/uL		
31) 1,2,4-Trichlorobenzene	10.202	180	1574	0.02	ng/uL		81
32) Naphthalene	10.365	128	1643	0.01	ng/uL	#	74
33) 4-Chloroaniline	10.907	127	529	0.01	ng/uL	#	59
34) 2,6-Dichlorophenol	10.516	162	118	0.00	ng/uL	#	1
35) Hexachlorobutadiene	0.000		0	N.D.			
36) Caprolactam	11.303	55	12429	0.27	ng/uL	#	37
37) 1,2-Bis(2-chloroethoxy...	11.548	63	116	0.00	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.700	107	175	0.00	ng/uL	#	1
39) 2-Methylnaphthalene	11.974	142	438	0.00	ng/uL	#	62
40) 1-Methylnaphthalene	12.189	142	199	0.00	ng/uL	#	8
41) 1,3 Dinitrobenzene	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-12.D
Acq On : 7 Oct 2014 13:54
Operator : JLB
Sample : 1409444-12 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 14:34:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.335	216	87	0.00	ng/uL#	3
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.098	162	493	0.00	ng/uL#	45
49) 1,1'-Biphenyl	13.104	154	939	0.00	ng/uL#	72
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.072	152	264	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.025	165	978	0.02	ng/uL#	34
53) Dimethyl Phthalate	13.949	163	53	0.00	ng/uL#	53
54) 3-Nitroaniline	14.422	138	423	0.01	ng/uL#	1
55) Acenaphthene	14.497	153	53	0.00	ng/uL#	12
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.818	168	56	0.00	ng/uL#	1
58) 4-Nitrophenol	14.847	65	250	0.01	ng/uL#	1
59) 2,4-Dinitrotoluene	14.981	165	133	0.00	ng/uL#	43
60) 2,3,5,6-Tetrachlorophenol	15.173	232	53	0.00	ng/uL#	18
61) 2,3,4,6-Tetrachlorophenol	15.261	232	56	0.00	ng/uL#	18
62) Fluorene	15.733	166	129	0.00	ng/uL#	1
63) Diethyl Phthalate	15.616	149	12578m	0.06	ng/uL	
64) 4-Chlorophenyl Phenyl ...	15.803	204	54	0.00	ng/uL#	1
65) 4-Nitroaniline	15.850	138	315	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.304	198	1067	~~1.01~~	ng/uL#	1
68) N-Nitroso-diphenylamine	16.298	169	15831	0.09	ng/uL#	43
69) 1,2-Diphenylhydrazine	16.205	182	1111	0.02	ng/uL	82
71) 4-Bromophenyl Phenyl E...	16.969	248	60	0.00	ng/uL#	2
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.487	200	116	0.00	ng/uL	94
74) Pentachlorophenol	17.487	266	949	0.03	ng/uL#	1
75) Phenanthrene	17.895	178	2427	0.01	ng/uL#	73
76) Anthracene	17.994	178	188	0.00	ng/uL#	1
77) Carbazole	18.315	167	993	0.00	ng/uL#	1
79) Di-n-butyl Phthalate	18.997	149	187931	0.63	ng/uL	98
80) Fluoranthene	19.778	202	1124	0.00	ng/uL#	1
82) Pyrene	20.069	202	1377	0.00	ng/uL#	1
83) Butyl Benzyl Phthalate	20.903	149	5733	0.05	ng/uL#	95
84) Bis(2-ethylhexyl) adipate	21.002	129	4052	0.10	ng/uL#	100
85) Benzo(a)anthracene	21.497	228	4143	0.02	ng/uL#	1
86) Chrysene	21.597	228	528	0.00	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.532	149	288504	1.86	ng/uL	94
88) Di-n-octyl Phthalate	22.418	149	203263	~~1.06~~	ng/uL#	74
90) Benzo(b)fluoroanthene	22.669	252	852	0.01	ng/uL#	1
91) Benzo(k)fluoranthene	22.710	252	648	0.00	ng/uL#	60
92) Benzo(a)pyrene	23.083	252	522	0.00	ng/uL#	13
93) Indeno(1,2,3-cd)pyrene	25.251	276	3424	0.03	ng/uL#	84
94) Dibenz(a,h)anthracene	24.814	278	1812	0.02	ng/uL#	58
95) Benzo(g,h,i)Perylene	25.251	276	3424	0.03	ng/uL#	87

(#) = qua... out of range (m) = manual integration (+) = signals summed

002472

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-12.D
Acq On : 7 Oct 2014 13:54
Operator : JLB
Sample : 1409444-12 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 14:22:31 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration

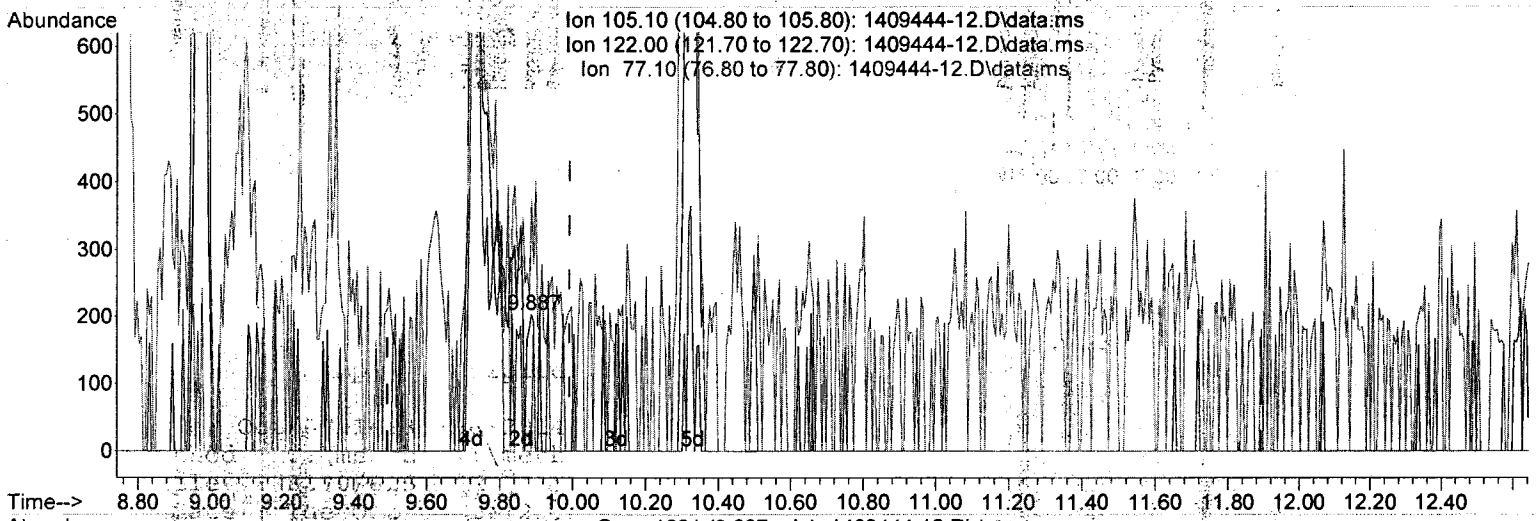
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	410752	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.318	136	1573703	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.422	164	950929	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.855	188	1558467	5.00	ng/uL		0.00
19) Chrysene-d12	21.497	240	1290158	5.00	ng/uL	#	0.00
22) Perylene-d12	23.159	264	940056	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.213	74	767	0.01	ng/uL	#	1
3) Pyridine	2.823	79	1504	0.01	ng/uL		87
4) Aniline	7.013	93	215	0.00	ng/uL	#	1
5) Benzaldehyde	6.722	105	1042	0.01	ng/uL	#	1
6) Acetophenone	8.441	105	918	0.01	ng/uL	#	52
7) N-Nitroso-di-n-propyla...	8.861	70	1581	0.02	ng/uL		86
9) 4-Chloroaniline	10.744	127	120	0.01	ng/uL		92
10) Caprolactam	11.303	55	3948	0.17	ng/uL	#	48
12) 1,1'-Biphenyl	13.104	154	939	0.00	ng/uL	#	72
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.422	138	423	Below Cal		#	1
15) 4-Nitroaniline	15.826	138	65	Below Cal		#	56
17) N-Nitroso-diphenylamine	16.298	169	15831	0.09	ng/uL	#	43
18) Atrazine	17.487	200	116	Below Cal			94
20) Benzidine	20.128	184	49632	0.68	ng/uL	#	75
21) 3,3'-Dichlorobenzidine	21.398	252	709	0.01	ng/uL		86

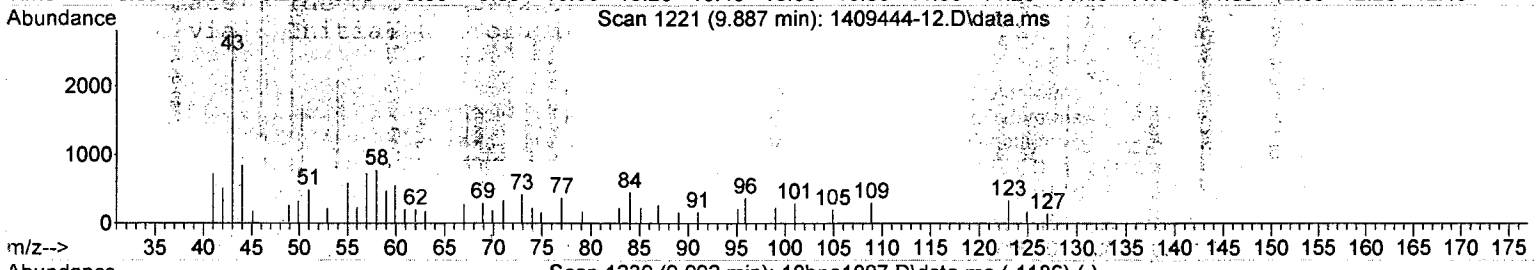
(#) = qualifier out of range (m) = manual integration (+) = signals summed

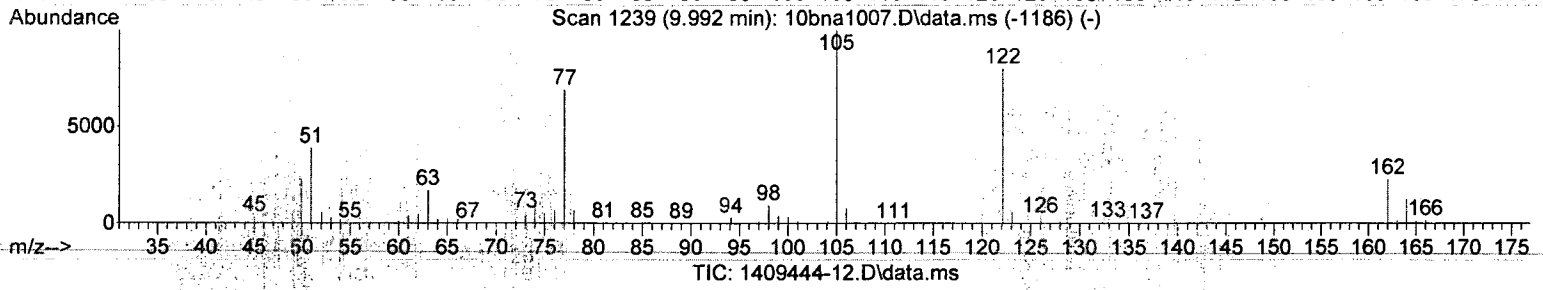
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-12.D
Acq On : 7 Oct 2014 13:54
Operator : JLB
Sample : 1409444-12 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 14:33:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-12.D\data.ms

(30) Benzoic Acid

9.887min (-0.105) 2.46 ng/uL

response 260

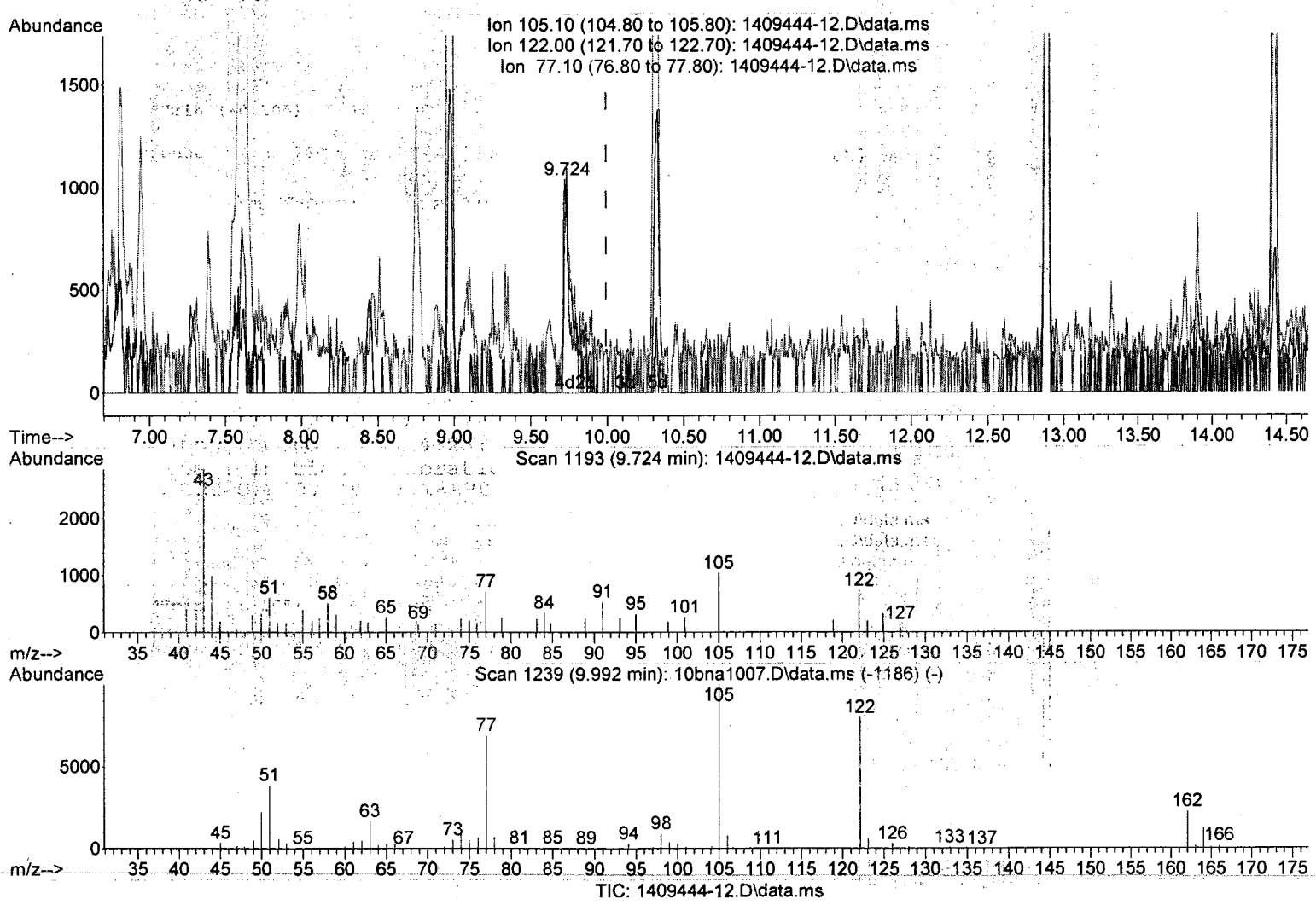
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	636.54#
0.00	0.00	0.00

JJD 10/8/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-12.D
Acq On : 7 Oct 2014 13:54
Operator : JLB
Sample : 1409444-12 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 14:33:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.724min (-0.268) 2.51 ng/uL m

response 4342

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	38.12#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

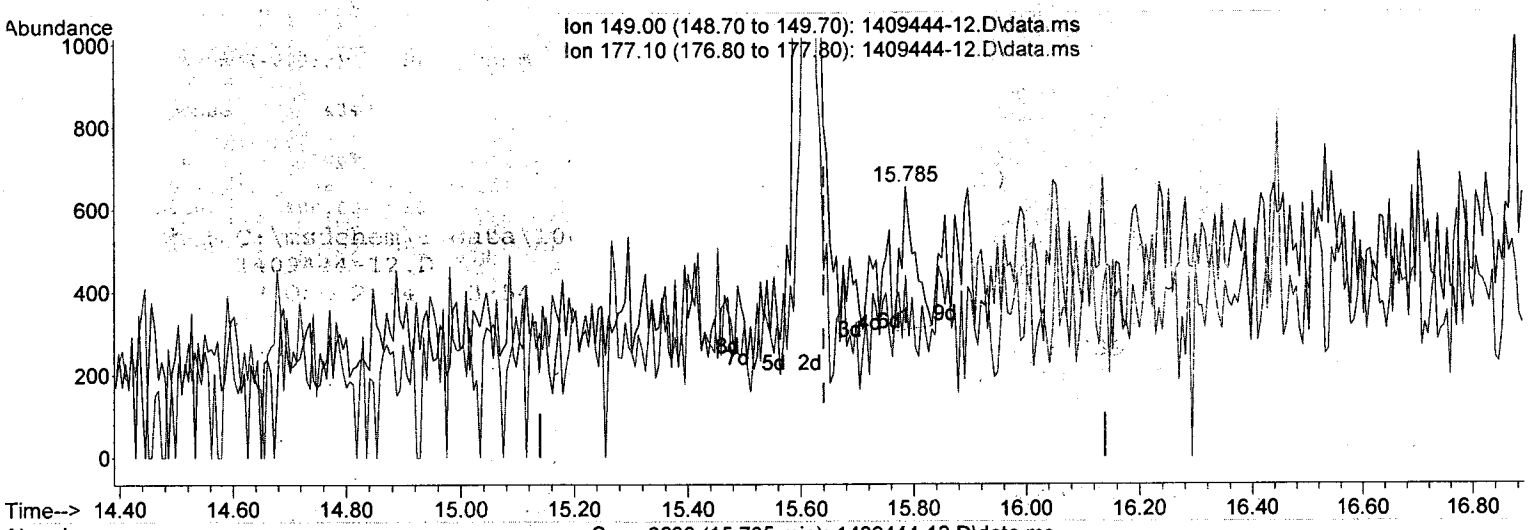
Analyst: JLB Date: 10/8/14

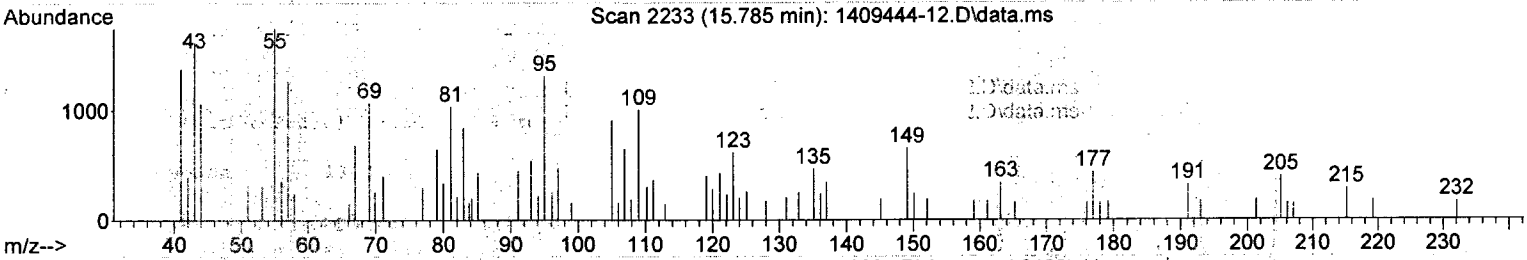
Reviewed By: ASC Date: 10/10/14

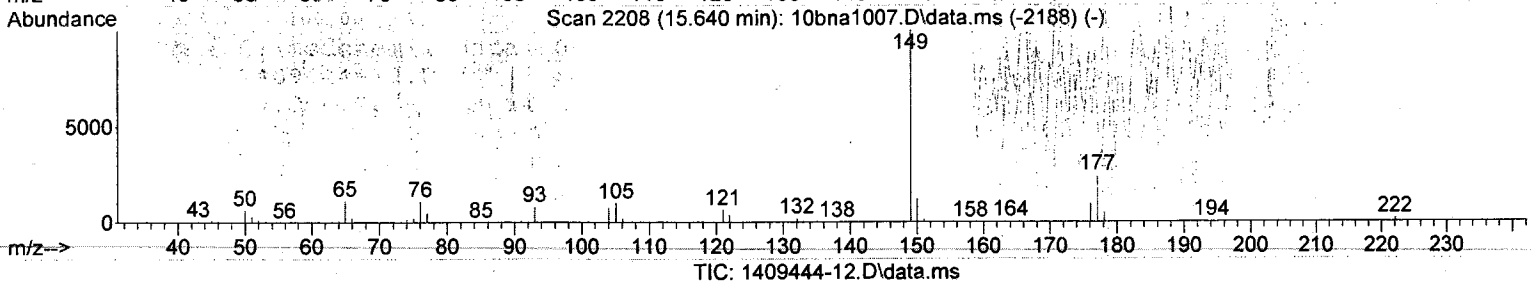
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-12.D
Acq On : 7 Oct 2014 13:54
Operator : JLB
Sample : 1409444-12 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 14:33:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-12.D\data.ms

(63) Diethyl Phthalate

15.785min (+ 0.146) 0.00 ng/uL

response 569

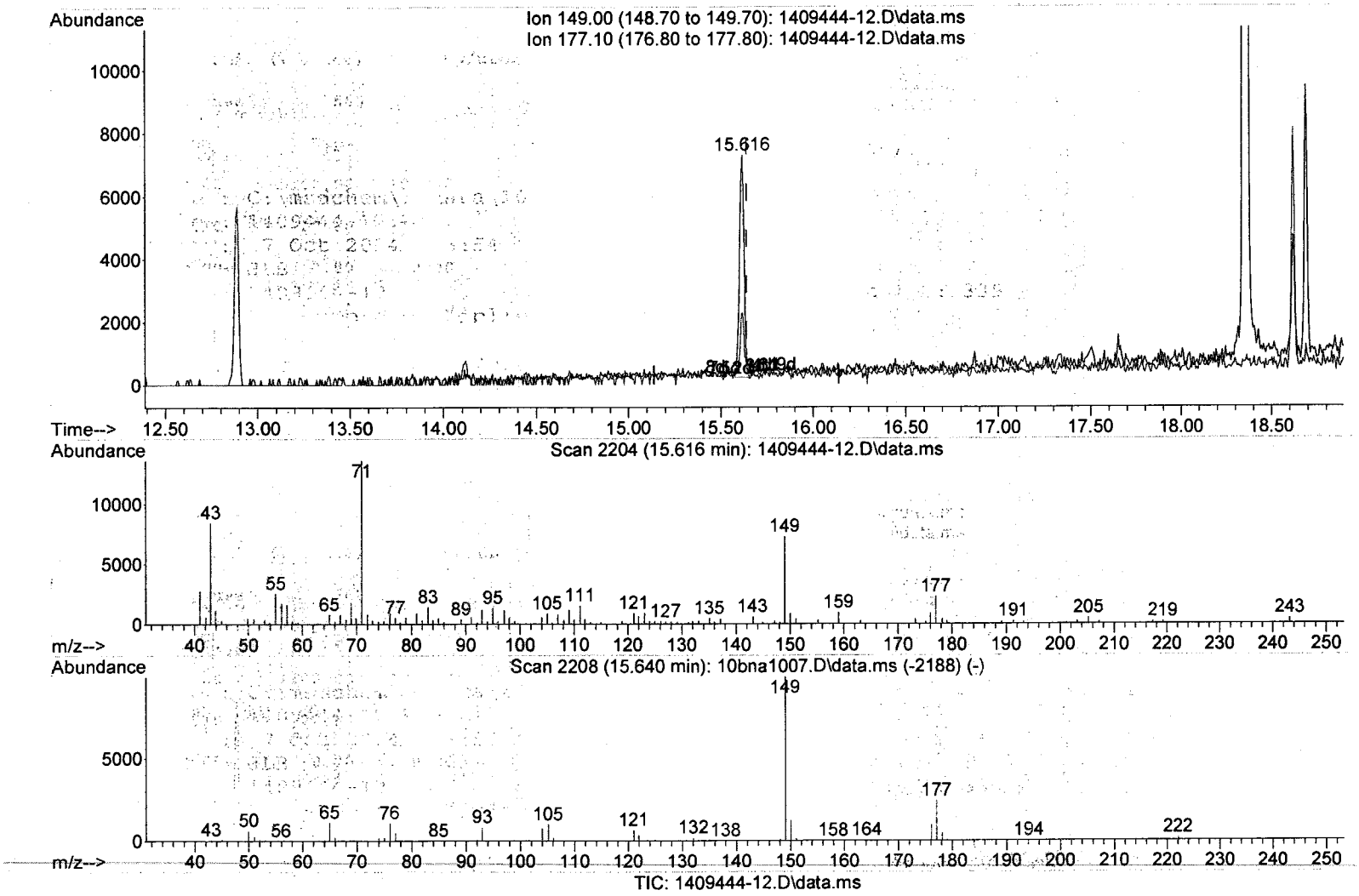
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	20.56
0.00	0.00	0.00
0.00	0.00	0.00

JW 10/8/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-12.D
Acq On : 7 Oct 2014 13:54
Operator : JLB
Sample : 1409444-12 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 14:33:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



TIC: 1409444-12.D\data.ms

(63) Diethyl Phthalate

15.616min (-0.023) 0.06 ng/uL m

response 12578

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	0.93#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/8/14

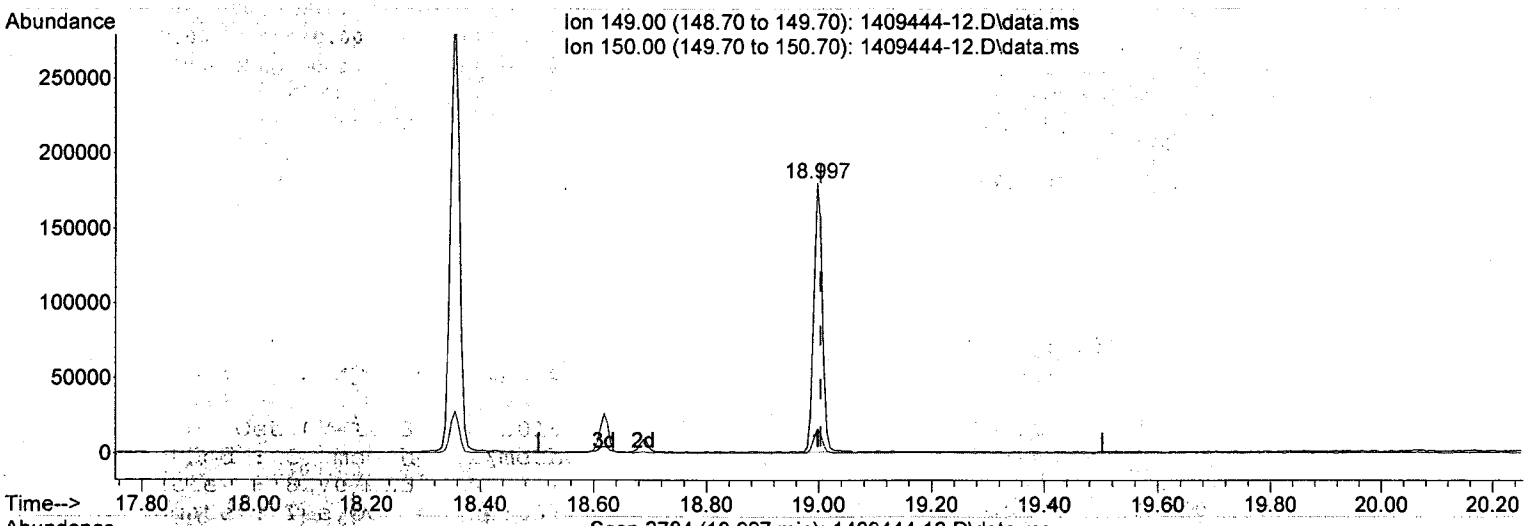
Reviewed By: ASC Date: 10/10/14

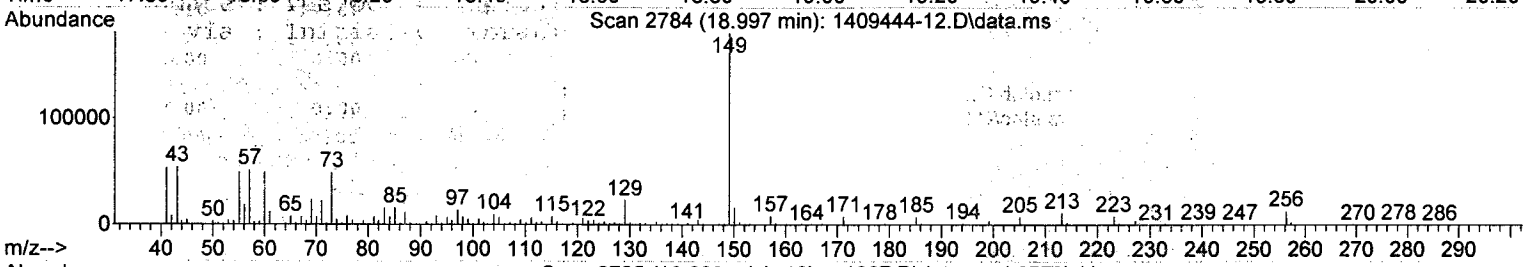
< MDL

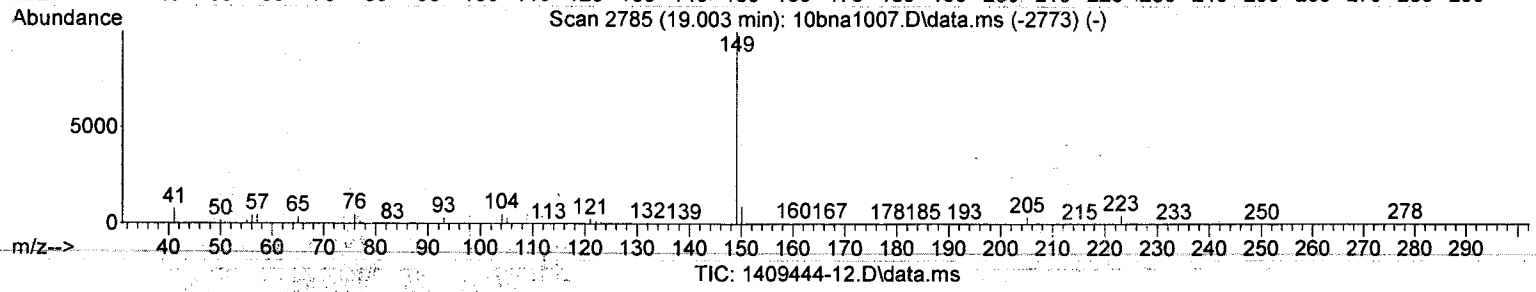
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-12.D
Acq On : 7 Oct 2014 13:54
Operator : JLB
Sample : 1409444-12 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 14:33:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-12.D\data.ms

(79) Di-n-butyl Phthalate

18.997min (-0.006) 0.63 ng/uL

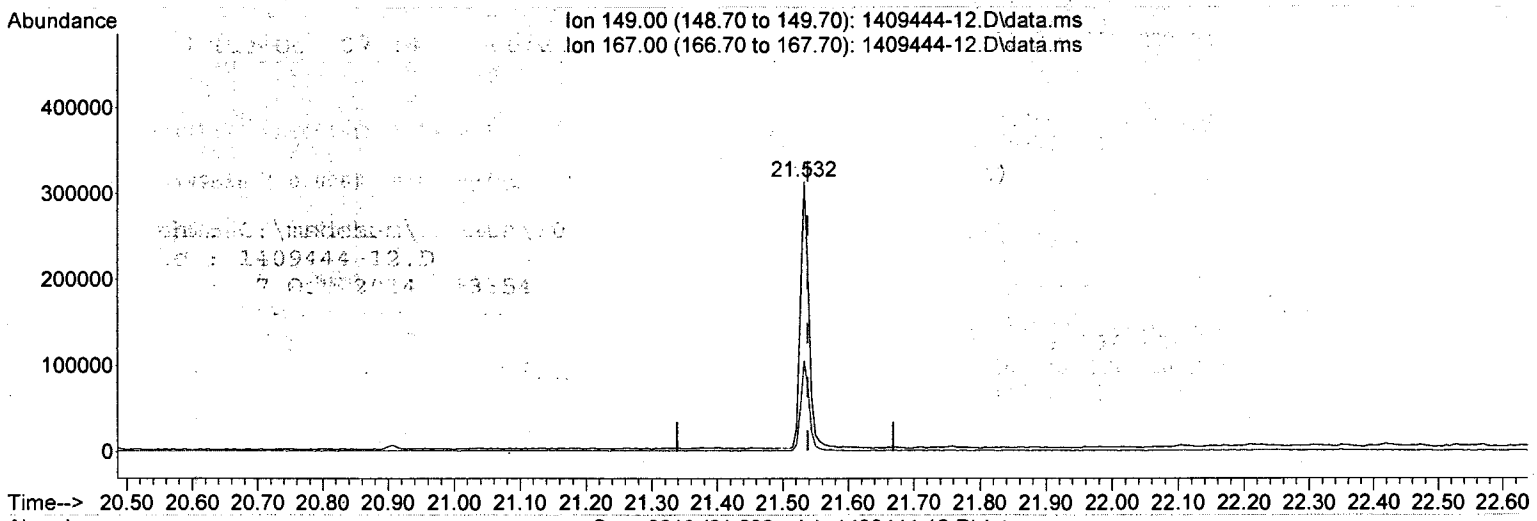
response 187931

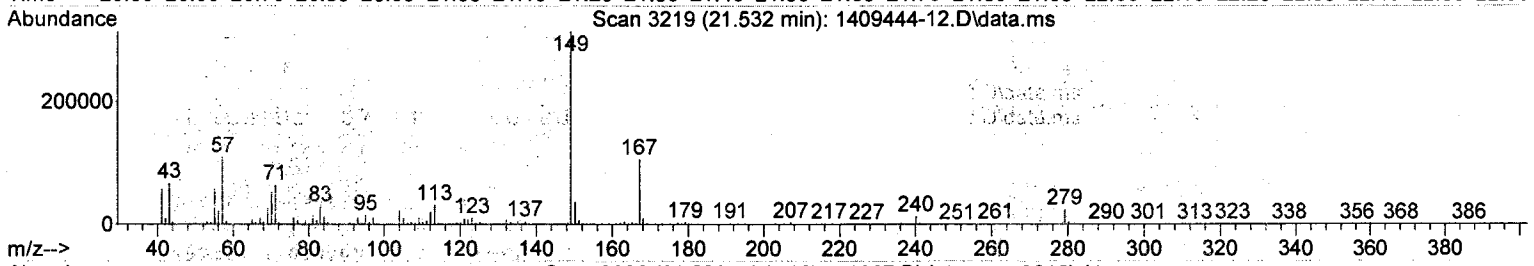
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.44
0.00	0.00	0.00
0.00	0.00	0.00

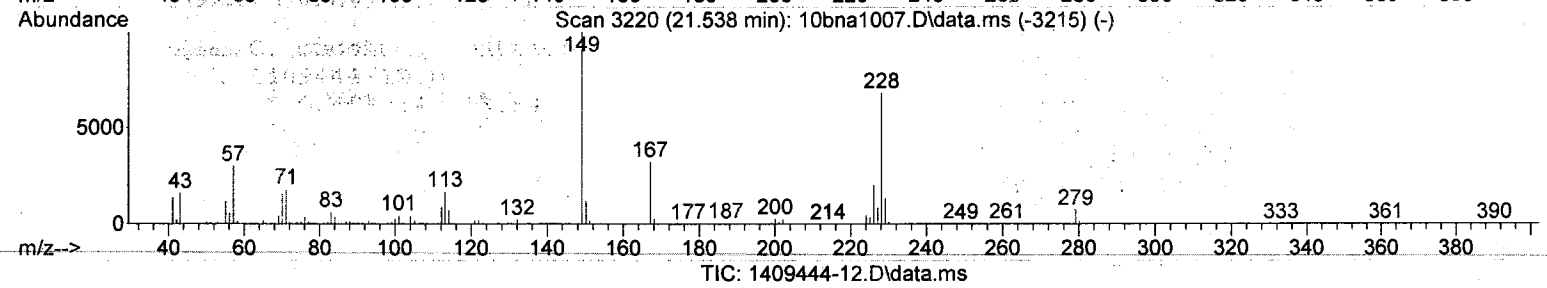
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-12.D
Acq On : 7 Oct 2014 13:54
Operator : JLB
Sample : 1409444-12 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 14:33:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-12.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.532min (-0.006) 1.86 ng/uL

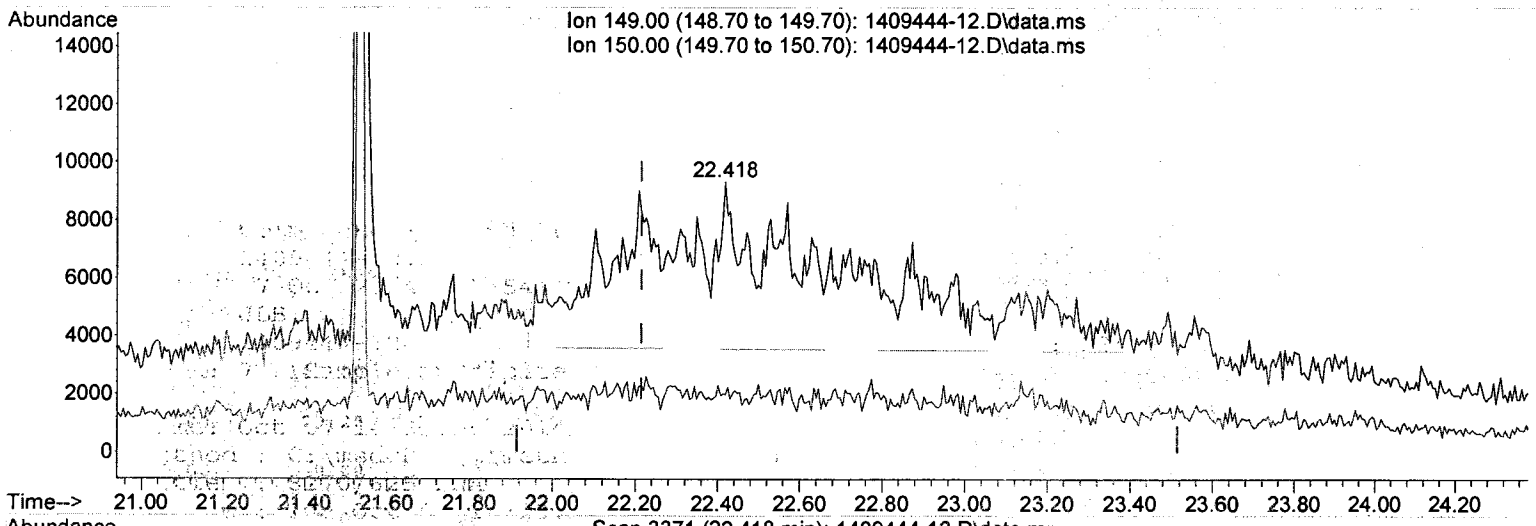
response 288504

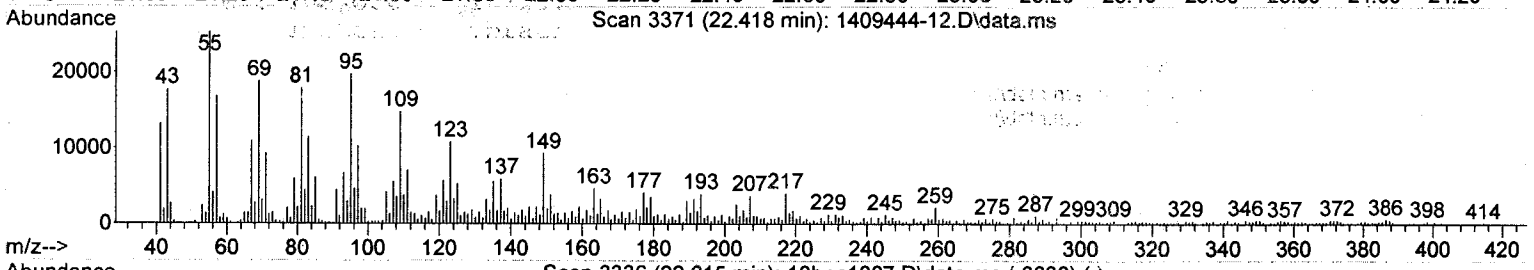
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	32.52
0.00	0.00	0.00
0.00	0.00	0.00

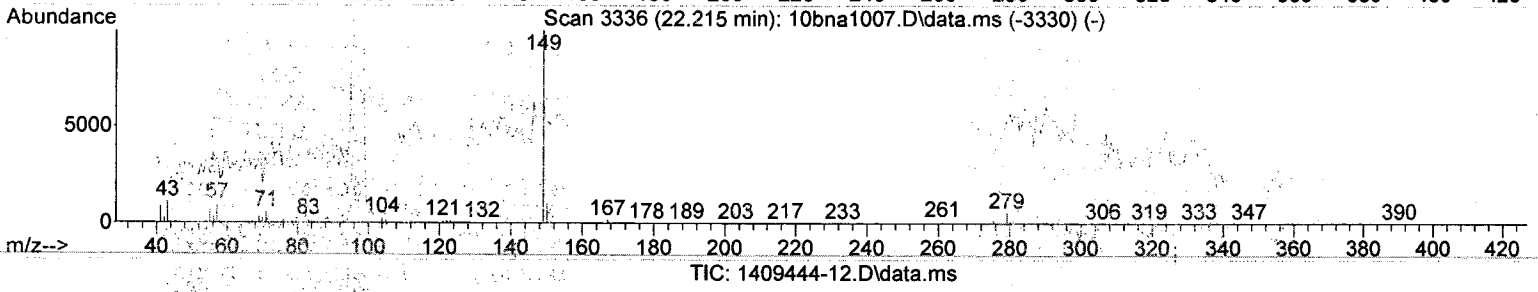
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1409444-12.D
Acq On : 7 Oct 2014 13:54
Operator : JLB
Sample : 1409444-12 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 14:33:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1409444-12.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.418min (+ 0.204) 1.06 ng/uL

response 203263

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.14#
0.00	0.00	0.00
0.00	0.00	0.00

pp

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB01-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-01 File ID: 1409479-01.D

Sampled: 09/25/14 09:00 Prepared: 10/01/14 07:29 Analyzed: 10/08/14 01:10

Solids: 96.08 Preparation: 3550C Sonication Extract Initial/Final: 30.7 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.2	17	17	U
56-55-3	Benzo(a)anthracene	1	11	2.9	8.7	17	J
50-32-8	Benzo(a)pyrene	1	11	2.4	8.7	17	J
205-99-2	Benzo(b)fluoranthene	1	20	2.0	8.7	17	
207-08-9	Benzo(k)fluoranthene	1	7.1	2.0	8.7	17	J
191-24-2	Benzo(g,h,i)perylene	1	12	2.0	8.7	35	J
65-85-0	Benzoic Acid	1	85	72	170	350	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	41	4.2	17	35	
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.7	3.8	8.7	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	4.0	17	17	U
218-01-9	Chrysene	1	12	4.0	17	17	J
53-70-3	Dibenz(a,h)anthracene	1	3.4	2.0	8.7	35	J
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	51	14	35	69	J
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	870	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	35	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.7	4.2	8.7	17	U
121-14-2	2,4-Dinitrotoluene	1	8.7	3.4	8.7	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB01-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-01 File ID: 1409479-01.D

Sampled: 09/25/14 09:00 Prepared: 10/01/14 07:29 Analyzed: 10/08/14 01:10

Solids: 96.08 Preparation: 3550C Sonication Extract Initial/Final: 30.7 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.7	3.5	8.7	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	990	12	17	35	BE
206-44-0	Fluoranthene	1	17	4.7	17	17	
86-73-7	Fluorene	1	17	4.2	17	35	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.8	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	7.1	2.8	8.7	35	J
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	14	4.7	17	17	J
108-39-4	3+4-Methylphenol	1	8.7	3.8	8.7	17	U
95-48-7	2-Methylphenol	1	8.7	3.7	8.7	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	70	25	70	340	U
88-74-4	2-Nitroaniline	1	8.7	3.7	8.7	17	U
99-09-2	3-Nitroaniline	1	35	17	35	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.7	17	17	U
100-02-7	4-Nitrophenol	1	350	110	350	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.7	3.6	8.7	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	9.2	4.2	17	17	J
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	25	4.5	17	17	
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.7	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.7	2.6	8.7	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	678	461	68	33 - 113	
Phenol-d6	678	342	50	30 - 115	
Nitrobenzene-d5	339	252	74	33 - 131	
2-Fluorobiphenyl	339	279	82	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB01-08

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-01
File ID: 1409479-01.D
Sampled: 09/25/14 09:00
Prepared: 10/01/14 07:29
Analyzed: 10/08/14 01:10
Solids: 96.08
Preparation: 3550C Sonication Extract
Initial/Final: 30.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	678	440	65	12 - 124	
o-Terphenyl	339	290	86	20 - 155	

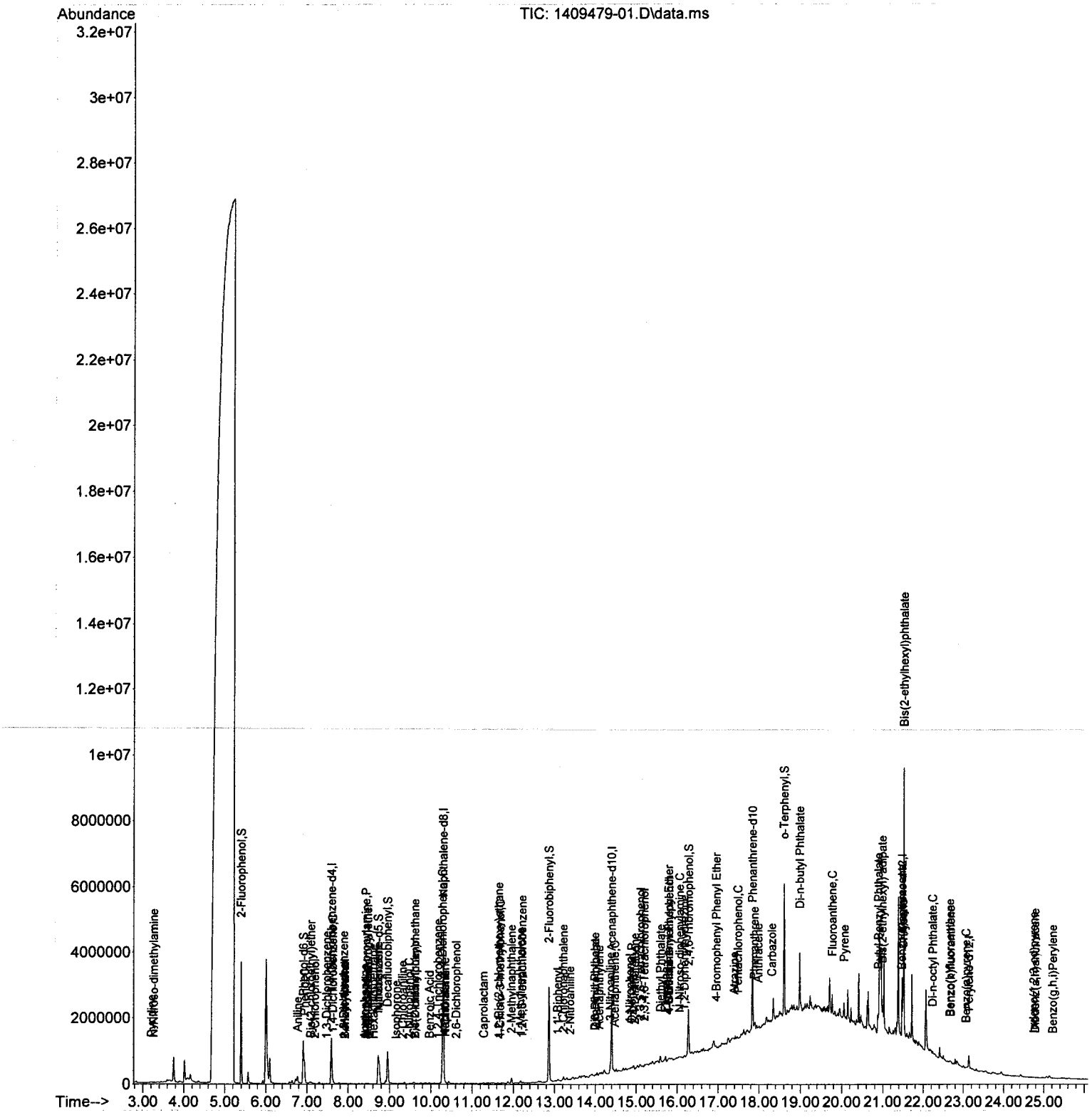
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	454618	7.59	403279	7.614	
Naphthalene-d8	1707843	10.295	1529030	10.359	
Acenaphthene-d10	1007243	14.398	866604	14.474	
Phenanthrene-d10	1497097	17.843	1400442	17.901	
Chrysene-d12	785144	21.486	1153654	21.538	
Perylene-d12	239083	23.141	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:25:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:25:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	454618	5.00	ng/uL	# 0.04
20) Naphthalene-d8	10.295	136	1707843	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	1007243	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.843	188	1497097	5.00	ng/uL	0.00
81) Chrysene-d12	21.486	240	785144	5.00	ng/uL	# 0.00
89) Perylene-d12	23.141	264	239083 low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1411806	13.59	ng/uL	0.26
6) Phenol-d6	6.914	99	1355665	10.08	ng/uL	0.06
21) Nitrobenzene-d5	8.727	82	810528	7.42	ng/uL	0.00
23) Decafluorobiphenyl	8.948	334	594848	7.77	ng/uL	0.00
47) 2-Fluorobiphenyl	12.865	172	1709744	8.22	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.287	330	294590	12.97	ng/uL	0.00
78) o-Terphenyl	18.606	230	1098385	8.56	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.266	74	114	0.00	ng/uL#	1
3) Pyridine	3.213	79	659	0.01	ng/uL	99
5) Aniline	6.774	93	2926	0.25	ng/uL	91
7) Phenol	6.943	94	5148	0.03	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.095	93	128	0.00	ng/uL#	1
9) 2-Chlorophenol	7.188	128	136	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.474	146	1839	0.01	ng/uL#	3
11) 1,4-Dichlorobenzene	7.620	146	1264	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.888	146	165	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.476	45	972	0.00	ng/uL	92
14) Benzyl Alcohol	7.917	108	3475	0.04	ng/uL	90
15) 2-Methylphenol	7.917	108	3475	0.03	ng/uL#	1
16) Acetophenone	8.406	105	8457	0.05	ng/uL#	49
17) Hexachloroethane	8.610	119	4143	~~0.08~~	ng/uL#	11
18) 4-Methylphenol	8.476	108	354	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.436	70	2828	0.03	ng/uL#	69
22) Nitrobenzene	8.721	77	3730	0.03	ng/uL#	1
24) Isophorone	9.158	82	593	0.00	ng/uL	98
25) 2-Chloroaniline	9.316	127	330	0.00	ng/uL#	13
26) 2-Nitrophenol	9.473	139	57	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.619	107	123	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.619	93	191	0.00	ng/uL	90
29) 2,4-Dichlorophenol	10.277	162	122	0.00	ng/uL#	26
30) Benzoic Acid	9.968	105	5632	2.51	ng/uL#	37
31) 1,2,4-Trichlorobenzene	10.172	180	1160	0.01	ng/uL#	71
32) Naphthalene	10.341	128	30073	0.09	ng/uL#	1
33) 4-Chloroaniline	10.336	127	3726	0.04	ng/uL	93
34) 2,6-Dichlorophenol	10.610	162	128	0.00	ng/uL#	18
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.280	55	29916	0.61	ng/uL#	33
37) 1,2-Bis(2-chloroethoxy...	11.647	63	916	0.01	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.682	107	708	0.01	ng/uL#	14
39) 2-Methylnaphthalene	11.956	142	87044	0.40	ng/uL	99
40) 1-Methylnaphthalene	12.178	142	35144	0.18	ng/uL	99
41) 1,3 Dinitrobenzene	13.903	168	57	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:25:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.218	216	52	0.00 ng/uL#	1
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.215	162	1995	0.01 ng/uL	90
49) 1,1'-Biphenyl	13.081	154	25222	0.10 ng/uL	95
50) 2-Nitroaniline	13.384	138	903	0.01 ng/uL#	34
51) Acenaphthylene	14.095	152	2337	0.01 ng/uL#	79
52) 2,6-Dinitrotoluene	13.996	165	1480	0.03 ng/uL#	57
53) Dimethyl Phthalate	13.990	163	1933	0.01 ng/uL	93
54) 3-Nitroaniline	14.369	138	4295	0.09 ng/uL#	77
55) Acenaphthene	14.474	153	2452	0.01 ng/uL#	11
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.894	168	12033	0.04 ng/uL#	82
58) 4-Nitrophenol	14.847	65	611	0.01 ng/uL#	1
59) 2,4-Dinitrotoluene	14.969	165	167	0.00 ng/uL#	1
60) 2,3,5,6-Tetrachlorophenol	15.109	232	1834	0.04 ng/uL#	59
61) 2,3,4,6-Tetrachlorophenol	15.197	232	1576	0.03 ng/uL#	39
62) Fluorene	15.710	166	4678	0.02 ng/uL#	1
63) Diethyl Phthalate	15.593	149	18022	0.09 ng/uL	98
64) 4-Chlorophenyl Phenyl ...	15.797	204	1409	0.01 ng/uL#	1
65) 4-Nitroaniline	15.785	138	1761	0.05 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.803	198	174	~~0.99~~ ng/uL#	35
68) N-Nitroso-diphenylamine	16.065	169	4996	0.03 ng/uL#	49
69) 1,2-Diphenylhydrazine	16.182	182	3936	0.07 ng/uL#	21
71) 4-Bromophenyl Phenyl E...	16.957	248	1921	0.04 ng/uL#	2
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.394	200	441	0.01 ng/uL#	1
74) Pentachlorophenol	17.482	266	833	0.03 ng/uL#	25
75) Phenanthrene	17.884	178	79283	0.27 ng/uL	98
76) Anthracene	17.983	178	12861	0.05 ng/uL#	82
77) Carbazole	18.309	167	4492	0.02 ng/uL#	48
79) Di-n-butyl Phthalate	18.985	149	431438	1.50 ng/uL#	91
80) Fluoroanthene	19.772	202	137078	0.50 ng/uL	94
82) Pyrene	20.064	202	138419	0.74 ng/uL#	92
83) Butyl Benzyl Phthalate	20.891	149	89926	1.22 ng/uL	82
84) Bis(2-ethylhexyl) adipate	20.990	129	91412	1.32 ng/uL#	100
85) Benzo(a)anthracene	21.474	228	47260	0.33 ng/uL#	88
86) Chrysene	21.509	228	48296	0.35 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.527	149	2753514	29.24 ng/uL	91
88) Di-n-octyl Phthalate	22.238	149	90830	~~0.87~~ ng/uL#	78
90) Benzo(b)fluoroanthene	22.663	252	25562m	0.59 ng/uL	
91) Benzo(k)fluoranthene	22.687	252	10362m	0.21 ng/uL	
92) Benzo(a)pyrene	23.071	252	13121	0.32 ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.744	276	7549m	0.21 ng/uL	
94) Dibdenz(a,h)anthracene	24.785	278	2789m	0.10 ng/uL	
95) Benzo(g,h,i)Perylene	25.222	276	11062	0.36 ng/uL#	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

002486

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 07:49:52 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

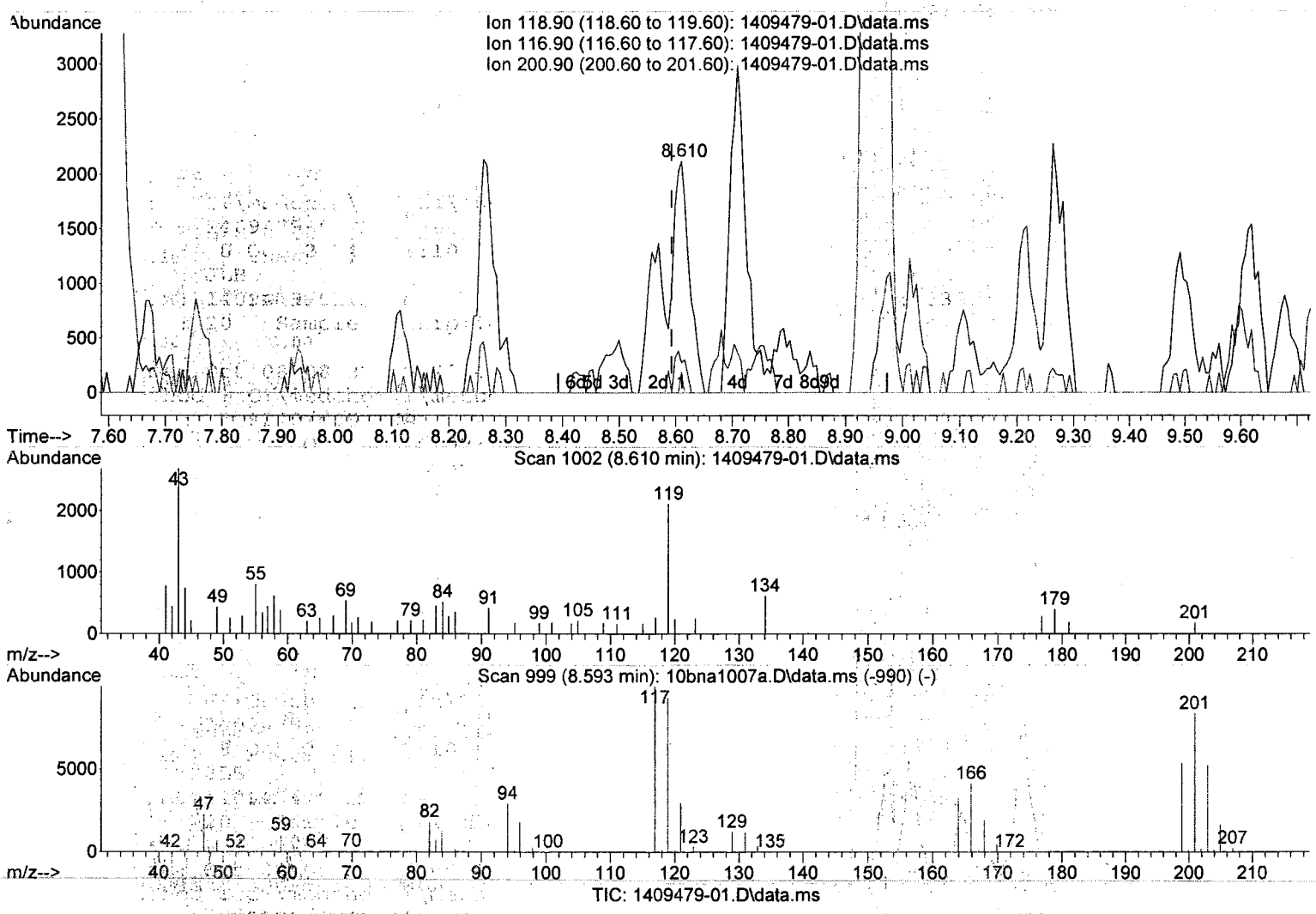
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.590	152	449321	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.295	136	1707843	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.398	164	987576	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.843	188	1497097	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	788184	5.00	ng/uL	#	0.00
22) Perylene-d12	23.141	264	242937	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.266	74	114	0.00	ng/uL	#	1
3) Pyridine	3.213	79	556	0.00	ng/uL		85
4) Aniline	6.774	93	2926	0.02	ng/uL		91
5) Benzaldehyde	6.704	105	3074	0.03	ng/uL	#	82
6) Acetophenone	8.406	105	8457	0.05	ng/uL	#	49
7) N-Nitroso-di-n-propyla...	8.436	70	1878	0.02	ng/uL		96
9) 4-Chloroaniline	10.697	127	140	0.01	ng/uL		85
10) Caprolactam	11.280	55	6170	0.21	ng/uL	#	67
12) 1,1'-Biphenyl	13.081	154	25222	0.09	ng/uL		95
13) 2-Nitroaniline	13.384	138	903	0.02	ng/uL	#	34
14) 3-Nitroaniline	14.369	138	4295	0.02	ng/uL	#	77
15) 4-Nitroaniline	15.785	138	663	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.065	169	4996	0.03	ng/uL	#	49
18) Atrazine	17.394	200	634	Below Cal		#	1
20) Benzidine	20.151	184	118156	1.45	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.480	252	1338	0.03	ng/uL	#	44

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-01.D\data.ms

(17) Hexachloroethane

8.610min (+ 0.017) 0.08 ng/uL

response 4143

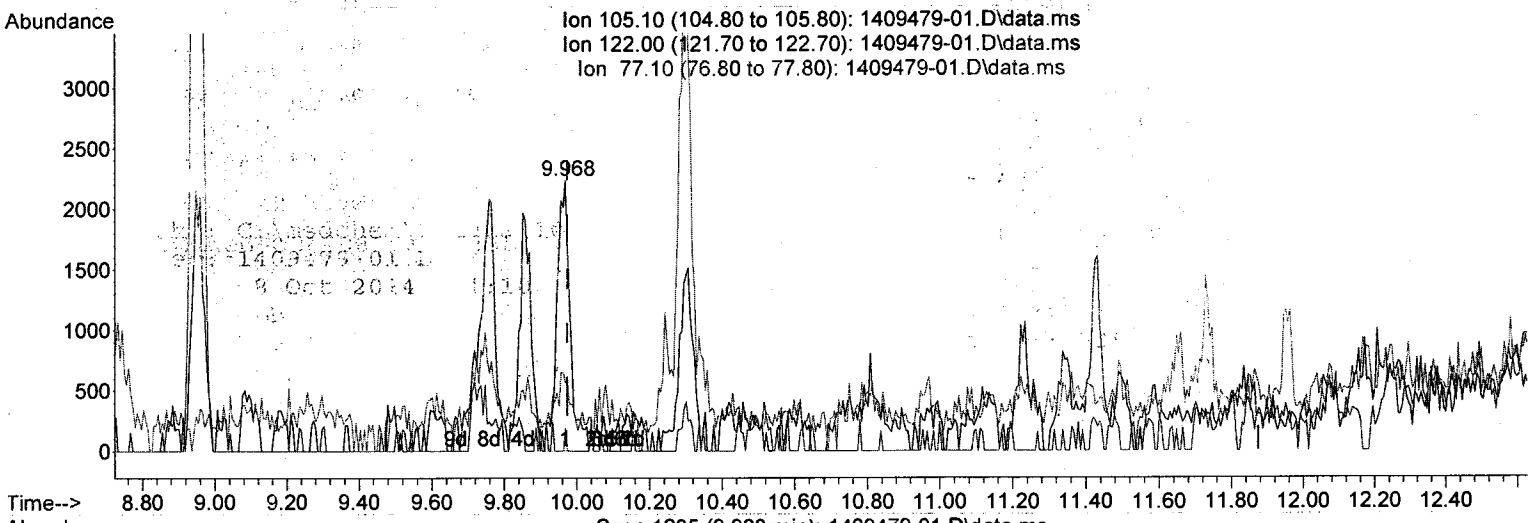
Ion	Exp%	Act%
118.90	100.00	100.00
116.90	100.10	13.76#
200.90	85.90	1.54#
0.00	0.00	0.00

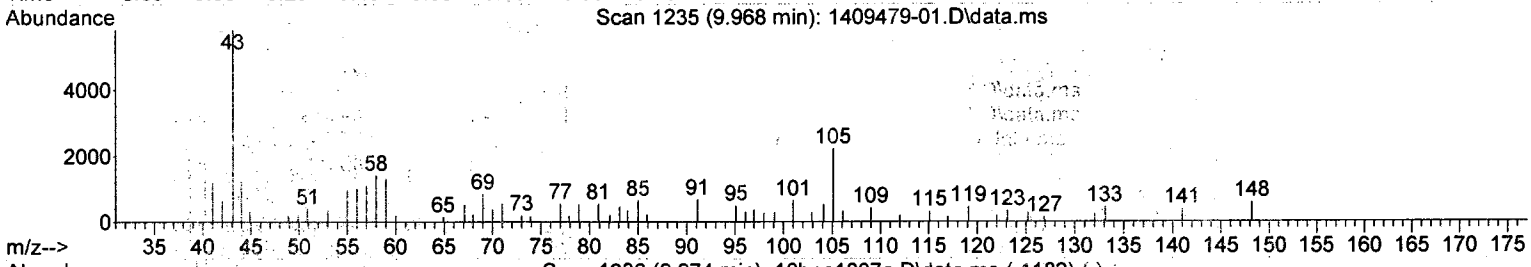
PS

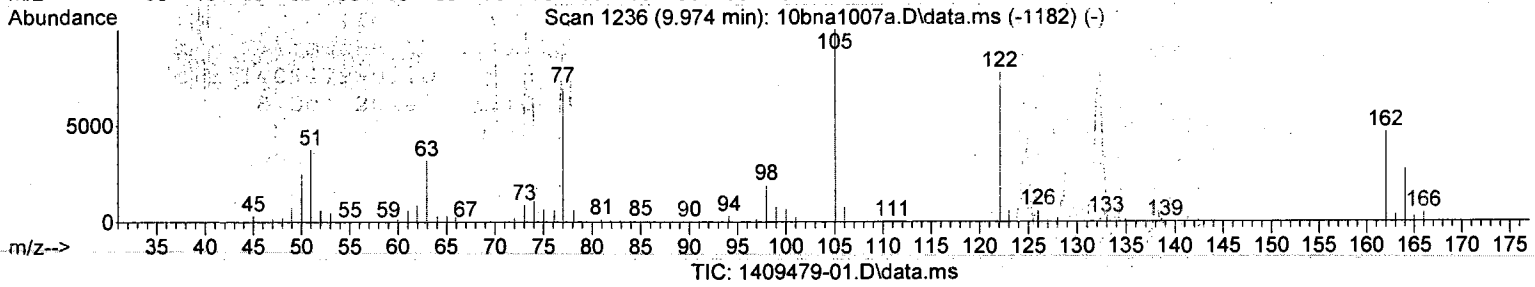
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-01.D\data.ms

(30) Benzoic Acid

9.968min (-0.006) 2.51 ng/uL

response 5632

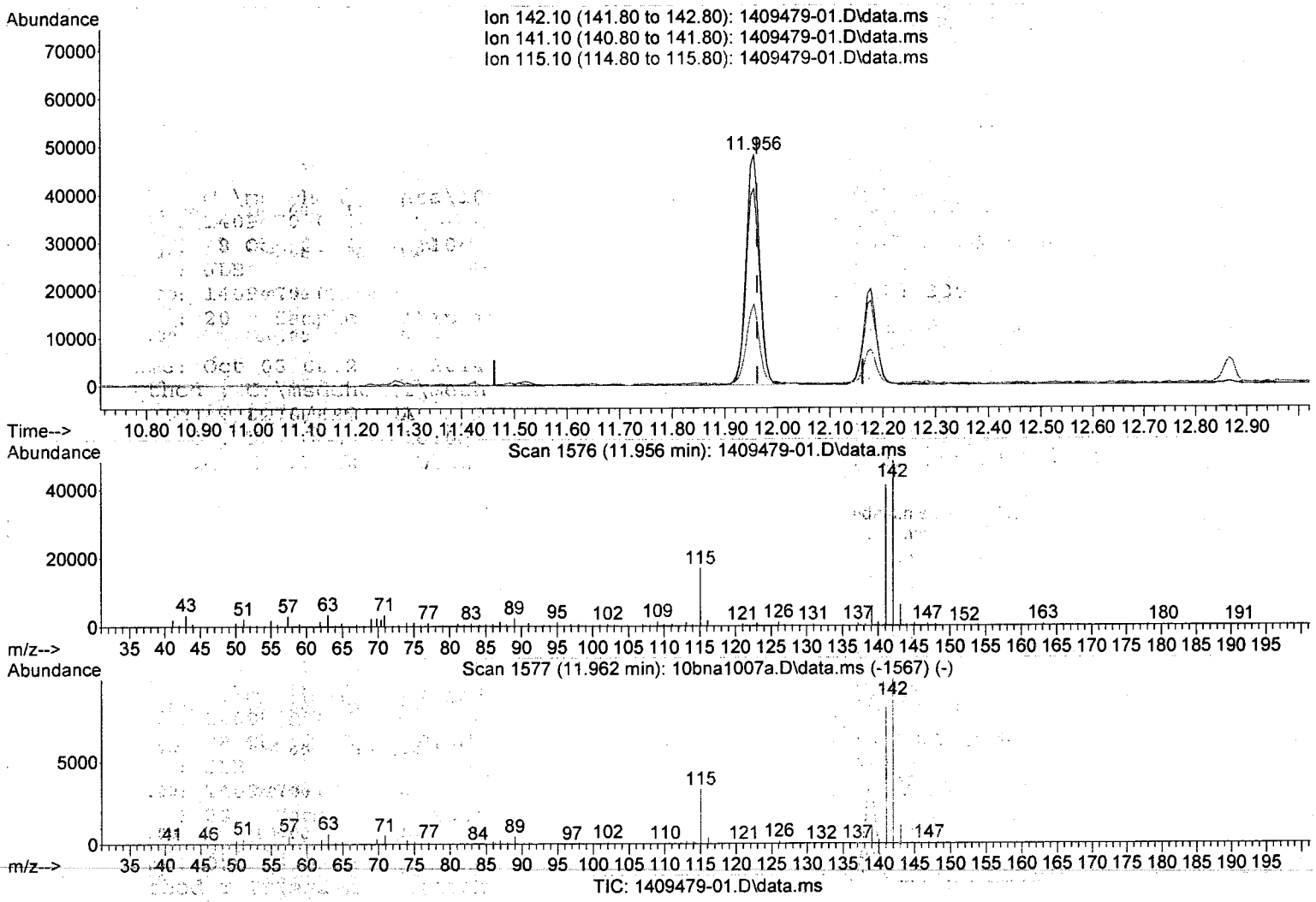
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	2.43#
77.10	74.70	44.78#
0.00	0.00	0.00

PJB 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(39) 2-Methylnaphthalene

11.956min (-0.006) 0.40 ng/uL

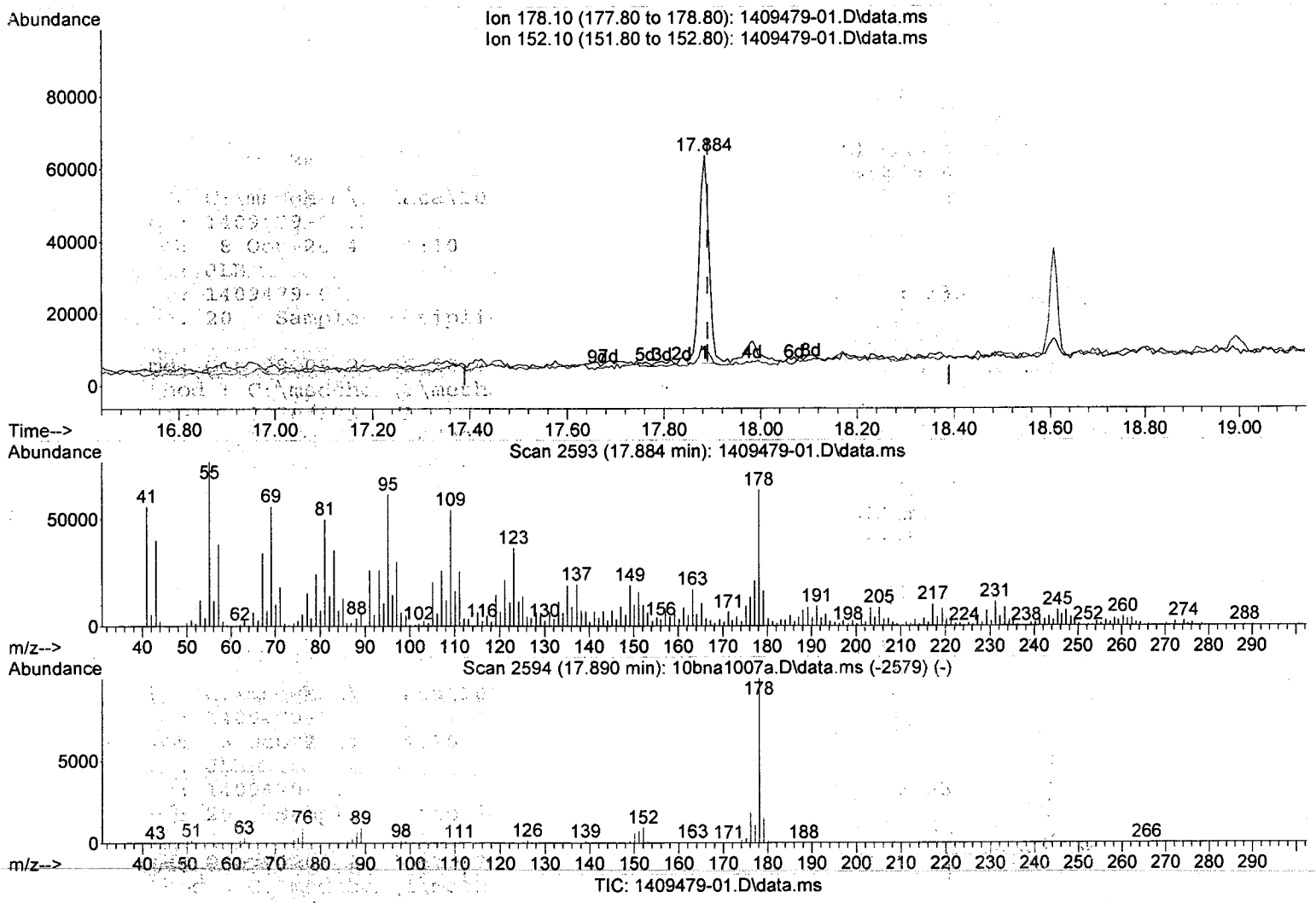
response 87044

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	85.47
115.10	33.50	32.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(75) Phenanthrene

17.884min (-0.006) 0.27 ng/uL

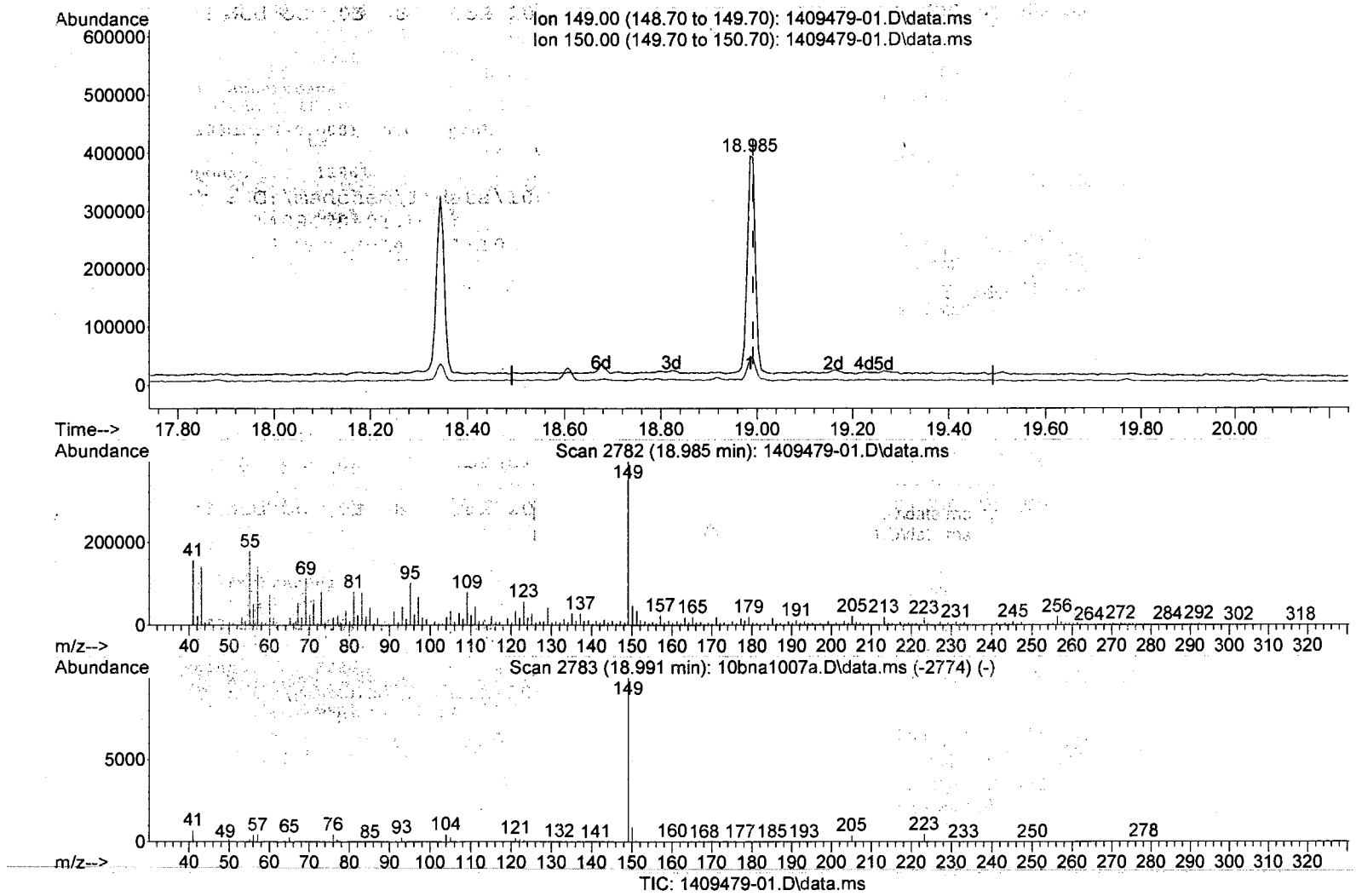
response 79283

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	10.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-01.D\data.ms

(79) Di-n-butyl Phthalate

18.985min (-0.006) 1.50 ng/uL

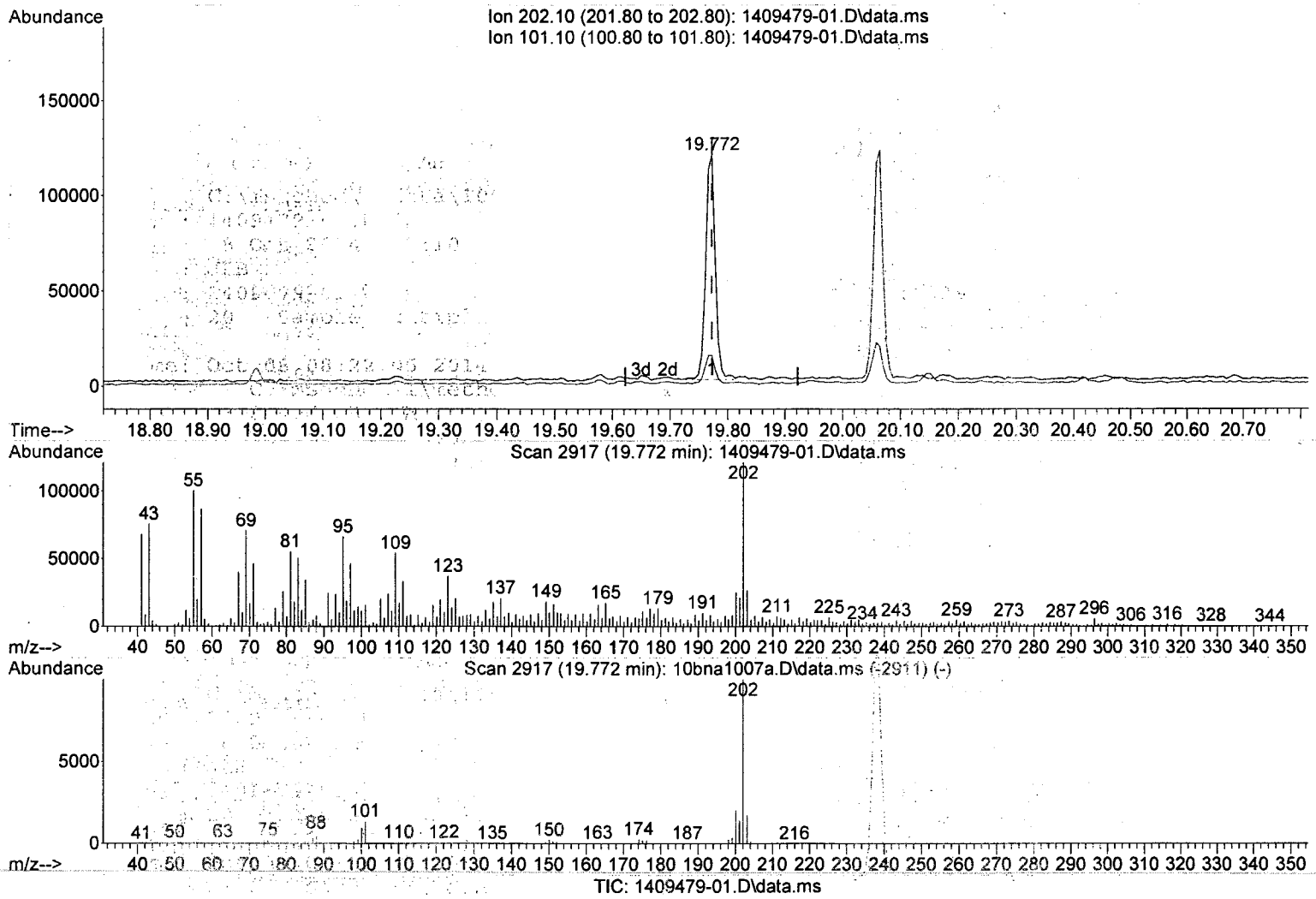
response 431438

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	12.09#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-01.D\data.ms

(80) Fluoroanthene (C)

19.772min (-0.000) 0.50 ng/uL

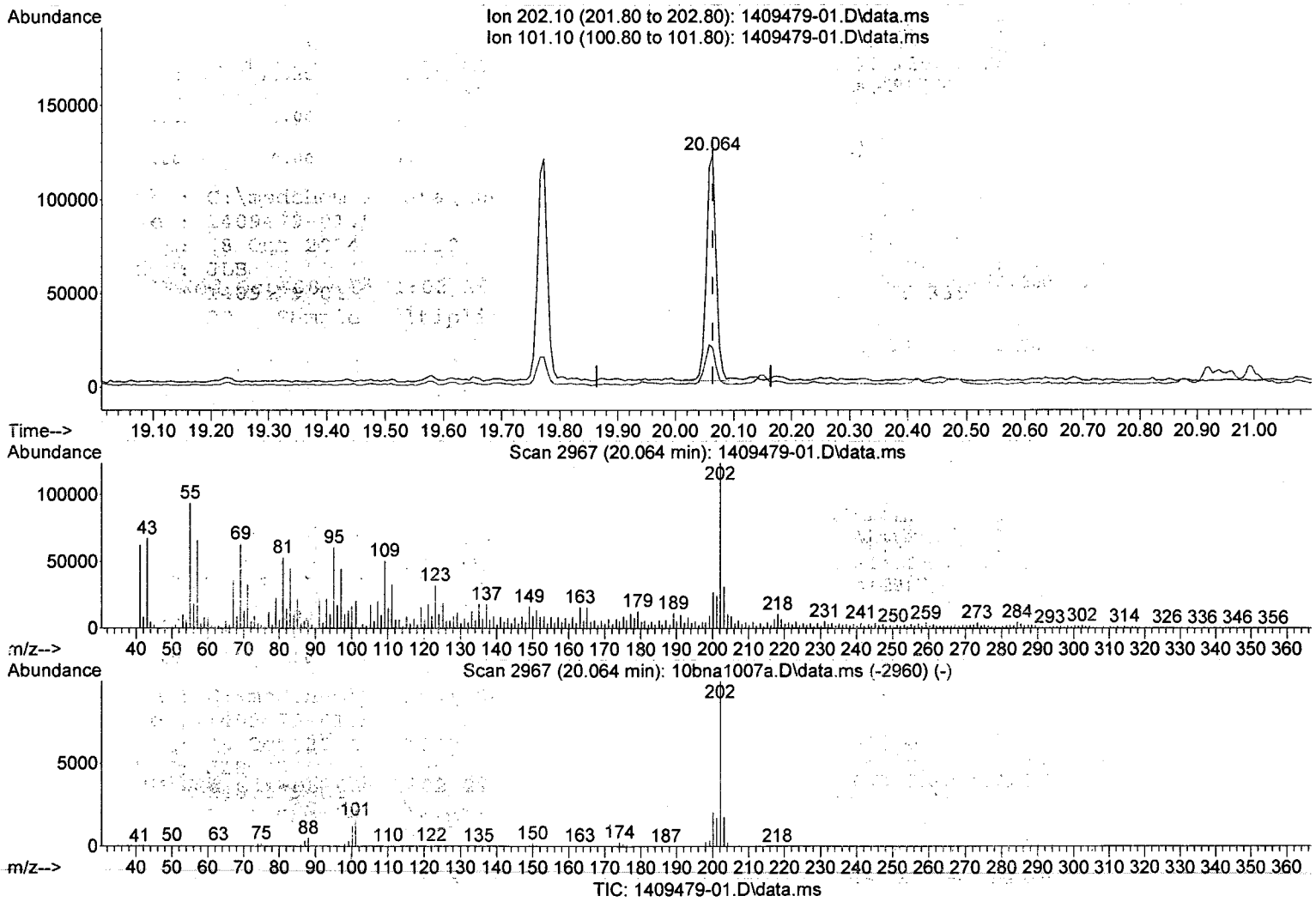
response 137078

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	13.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-01.D\data.ms

(82) Pyrene

20.064min (-0.000) 0.74 ng/uL

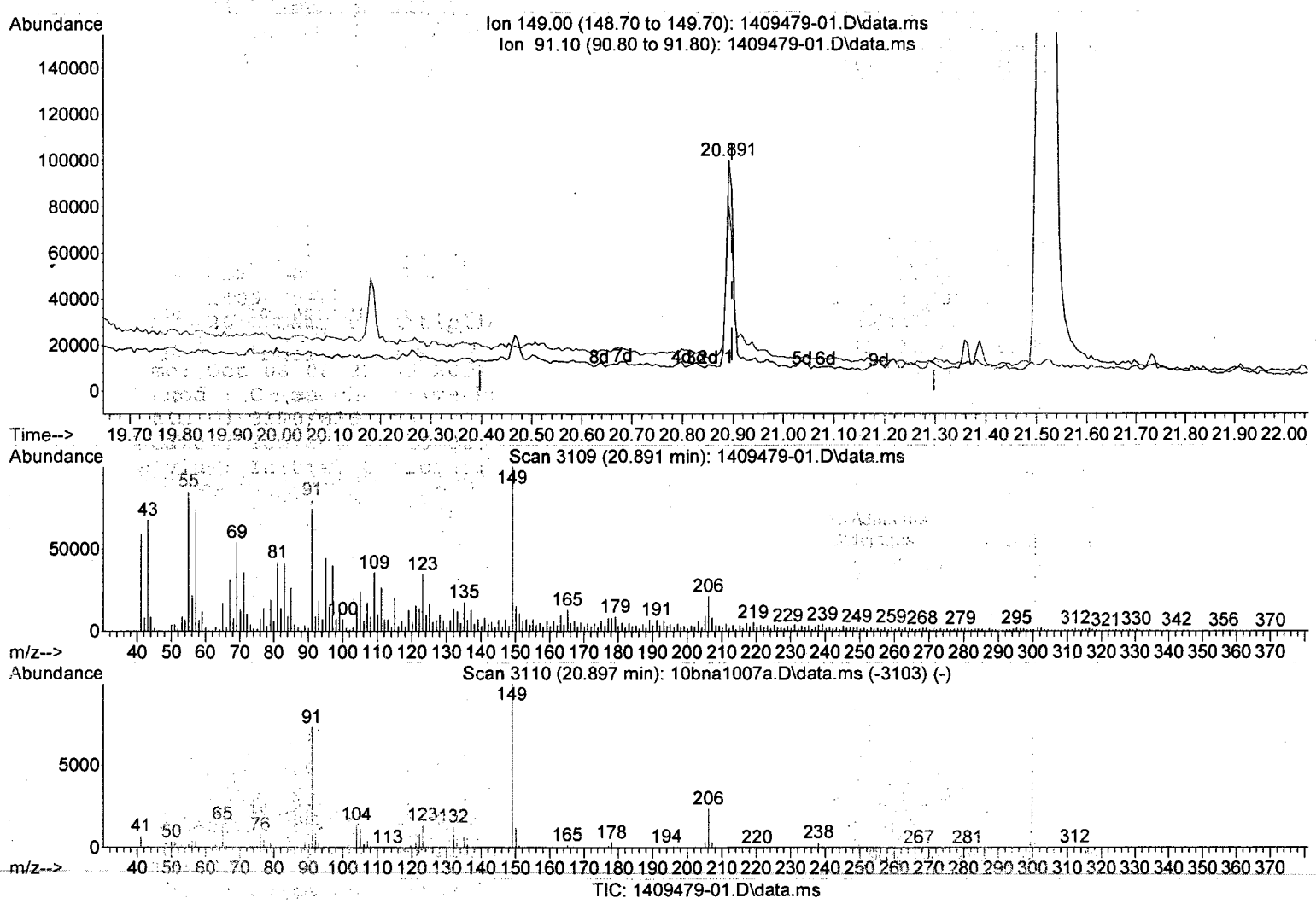
response 138419

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	19.31#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-01.D\data.ms

(83) Butyl Benzyl Phthalate

20.891min (-0.006) 1.22 ng/uL

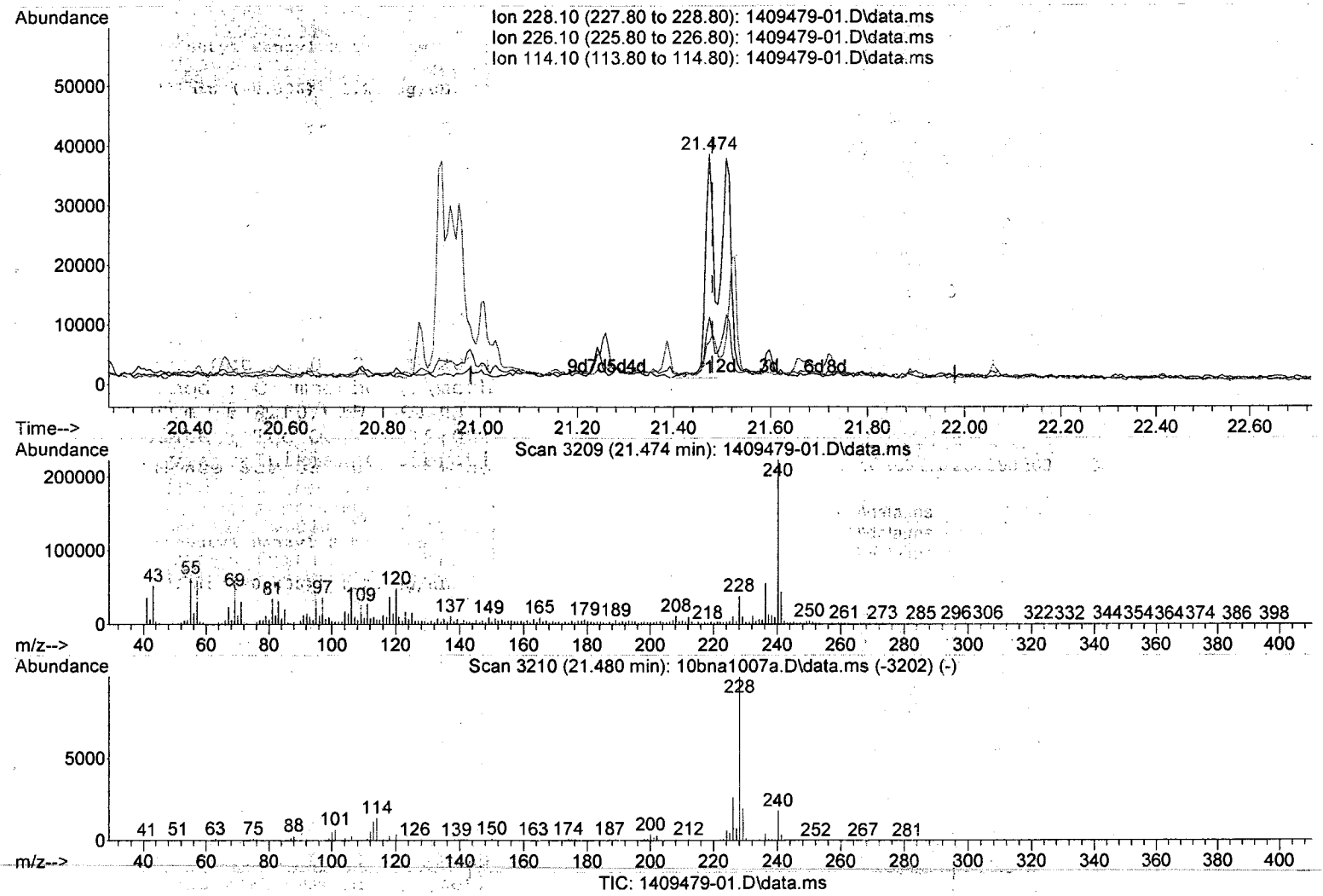
response 89926

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	100.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-01.D\data.ms

(85) Benzo(a)anthracene

21.474min (-0.006) 0.33 ng/uL

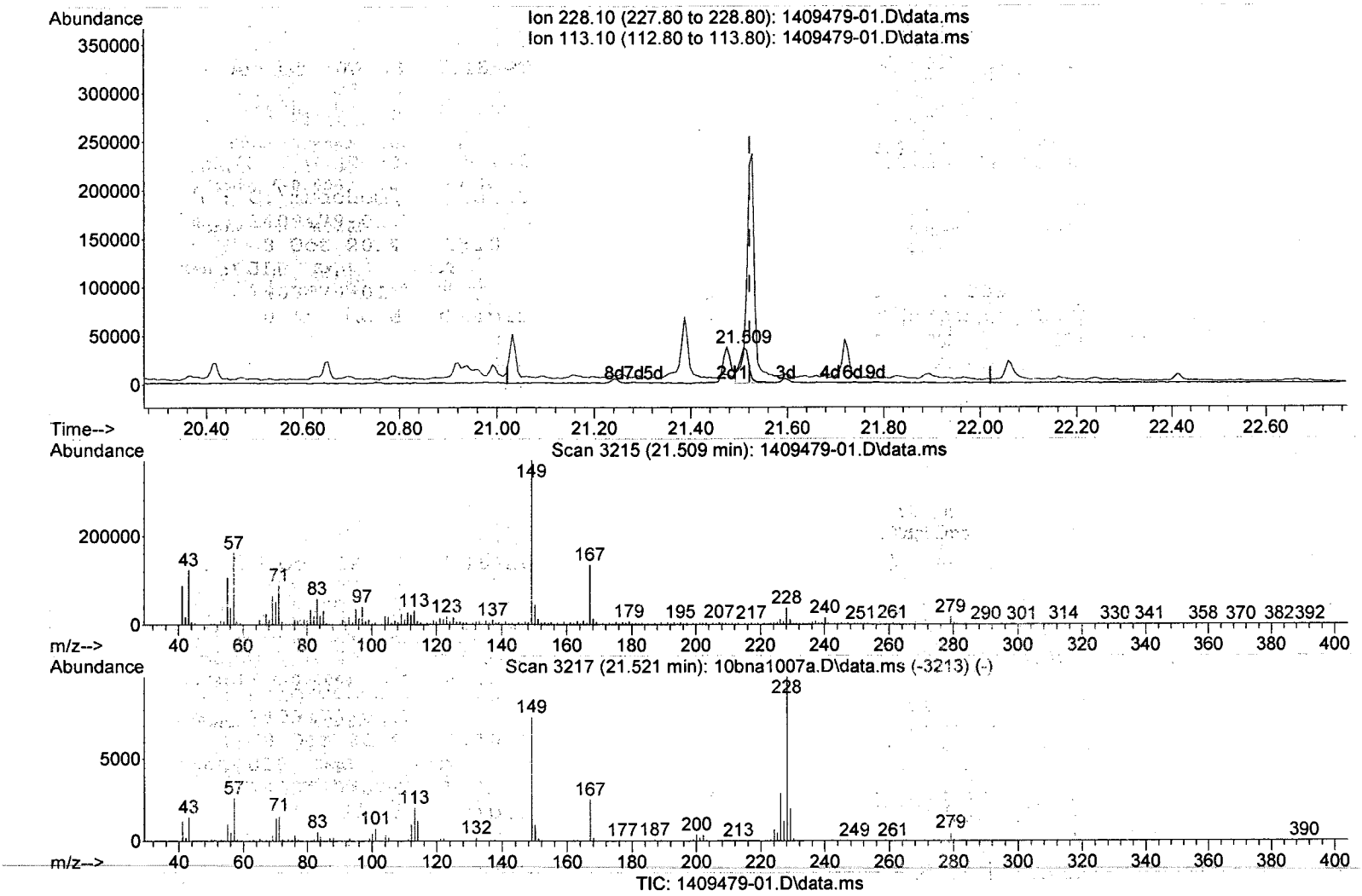
response 47260

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	23.76
114.10	13.30	24.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(86) Chrysene

21.509min (-0.012) 0.35 ng/uL

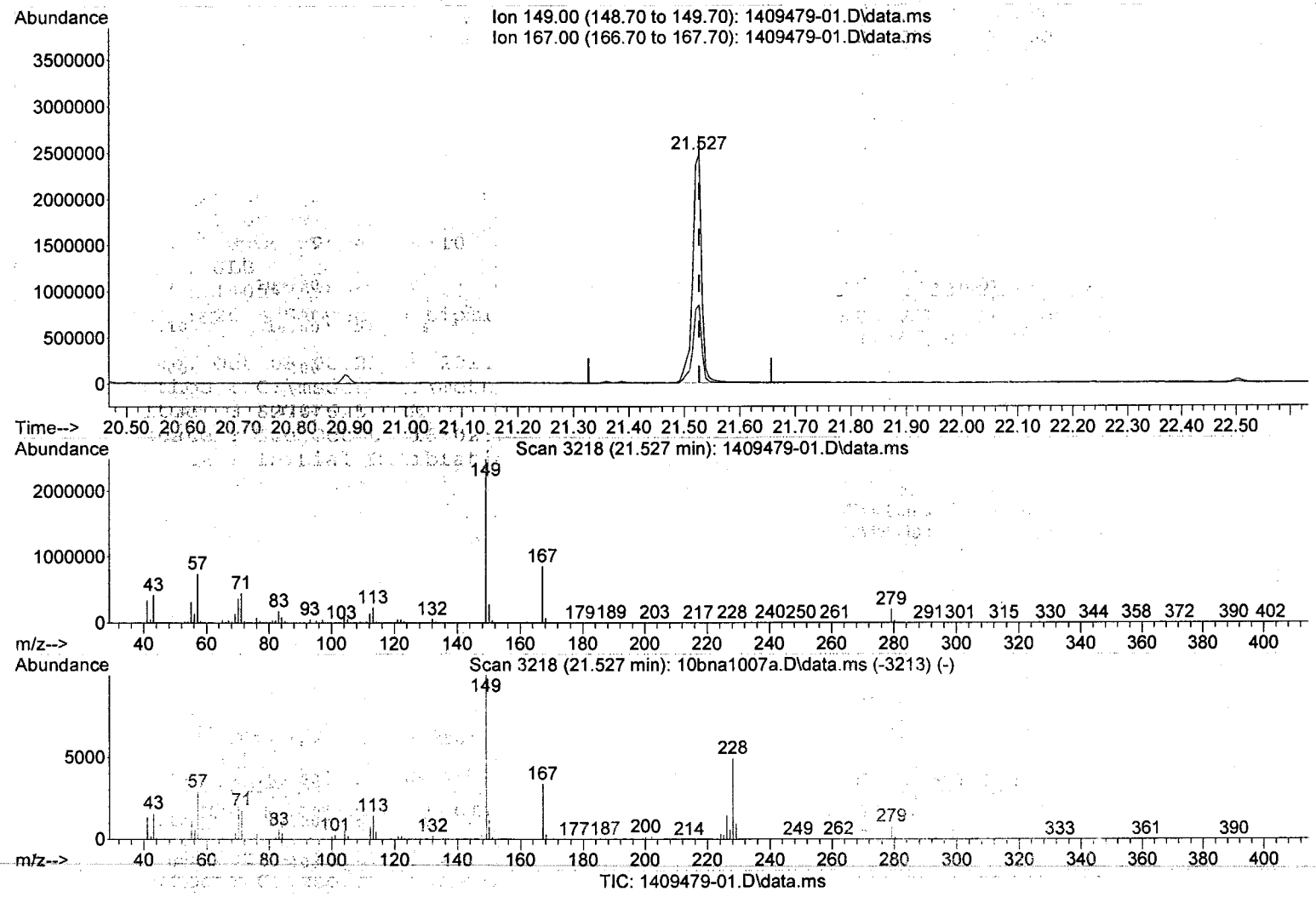
response 48296

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	512.79#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-01.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.527min (-0.000) 29.24 ng/uL

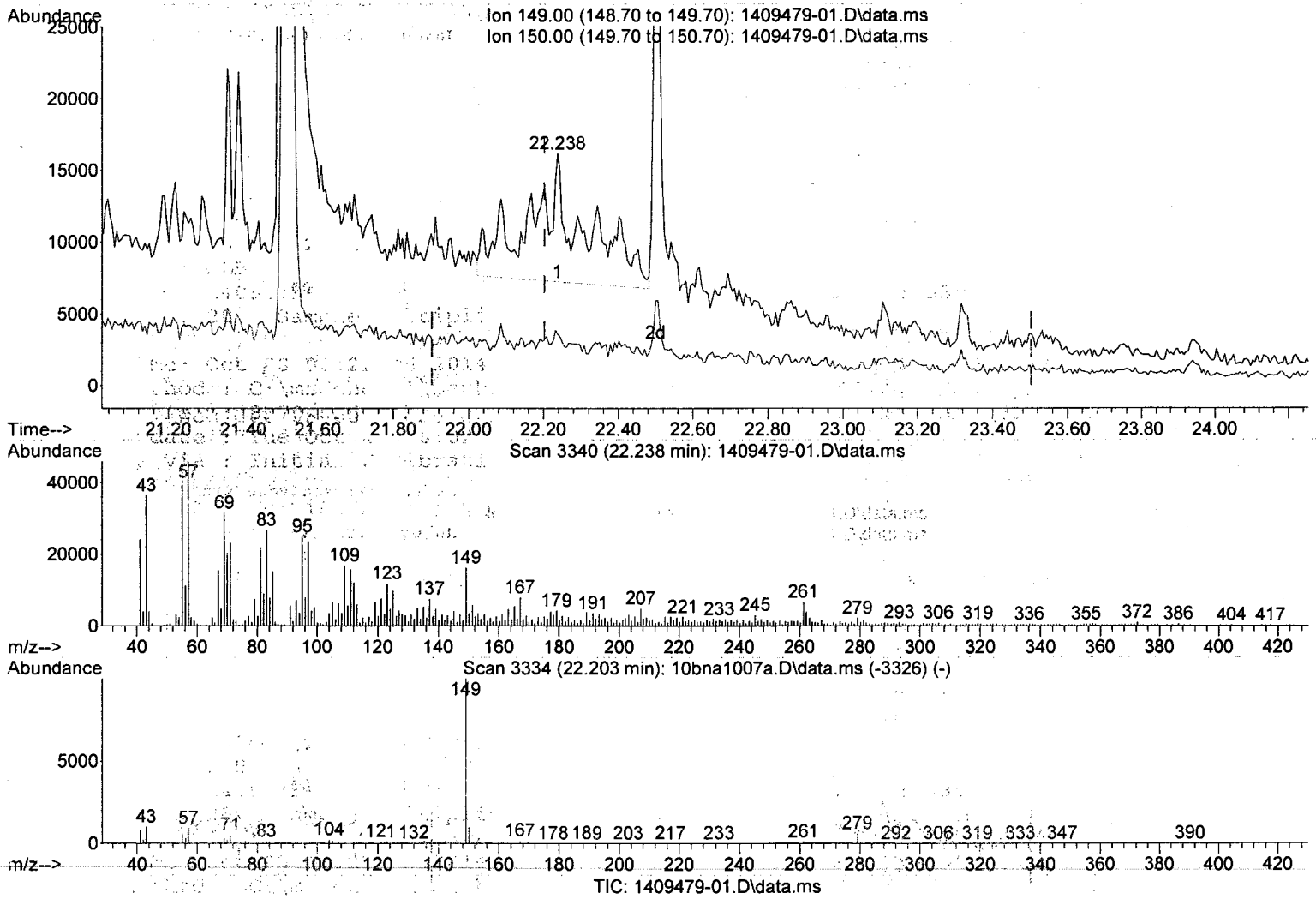
response 2753514

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.238min (+ 0.035) 0.87 ng/uL

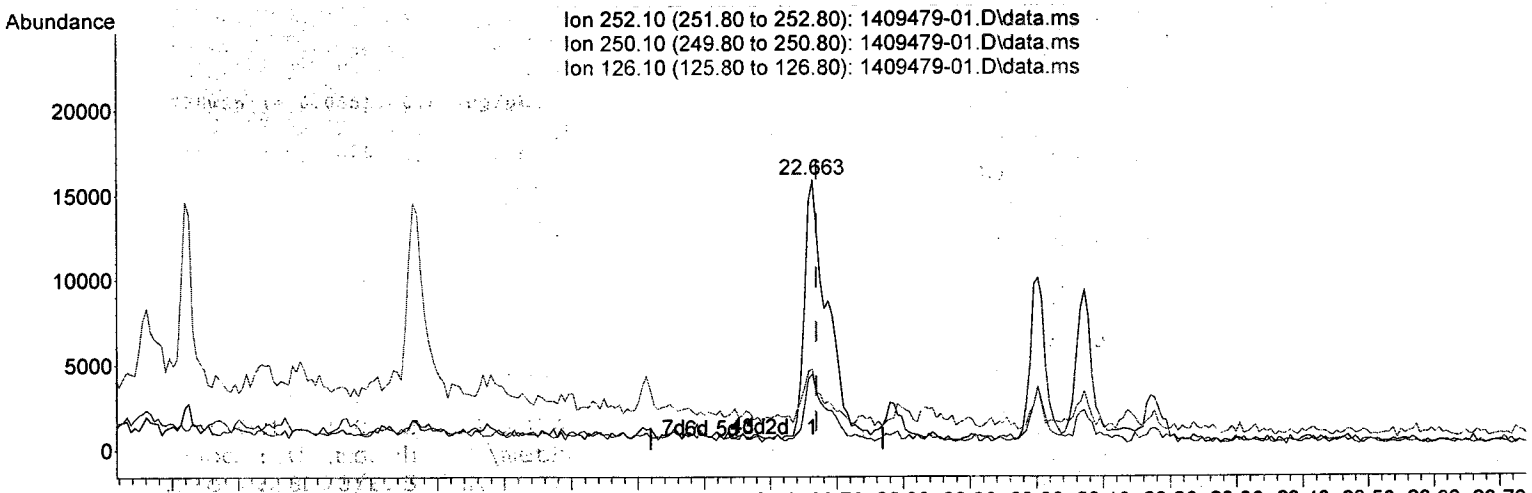
response 90830

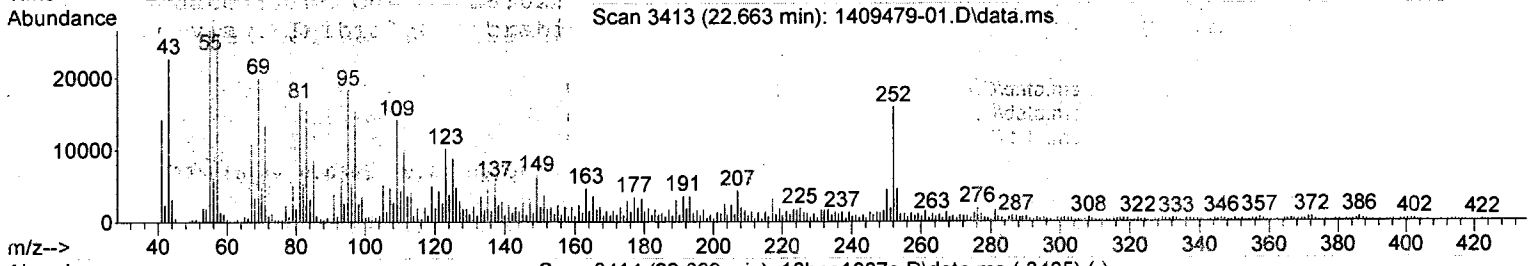
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.47#
0.00	0.00	0.00
0.00	0.00	0.00

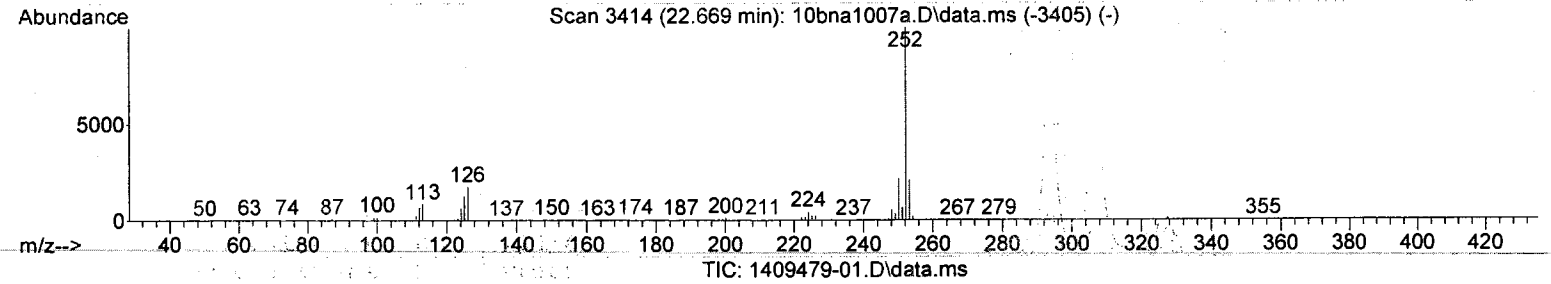
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-01.D\data.ms

(90) Benzo(b)fluoroanthene

22.663min (-0.006) 0.83 ng/uL

response 35934

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	25.39
126.10	17.20	19.54
0.00	0.00	0.00

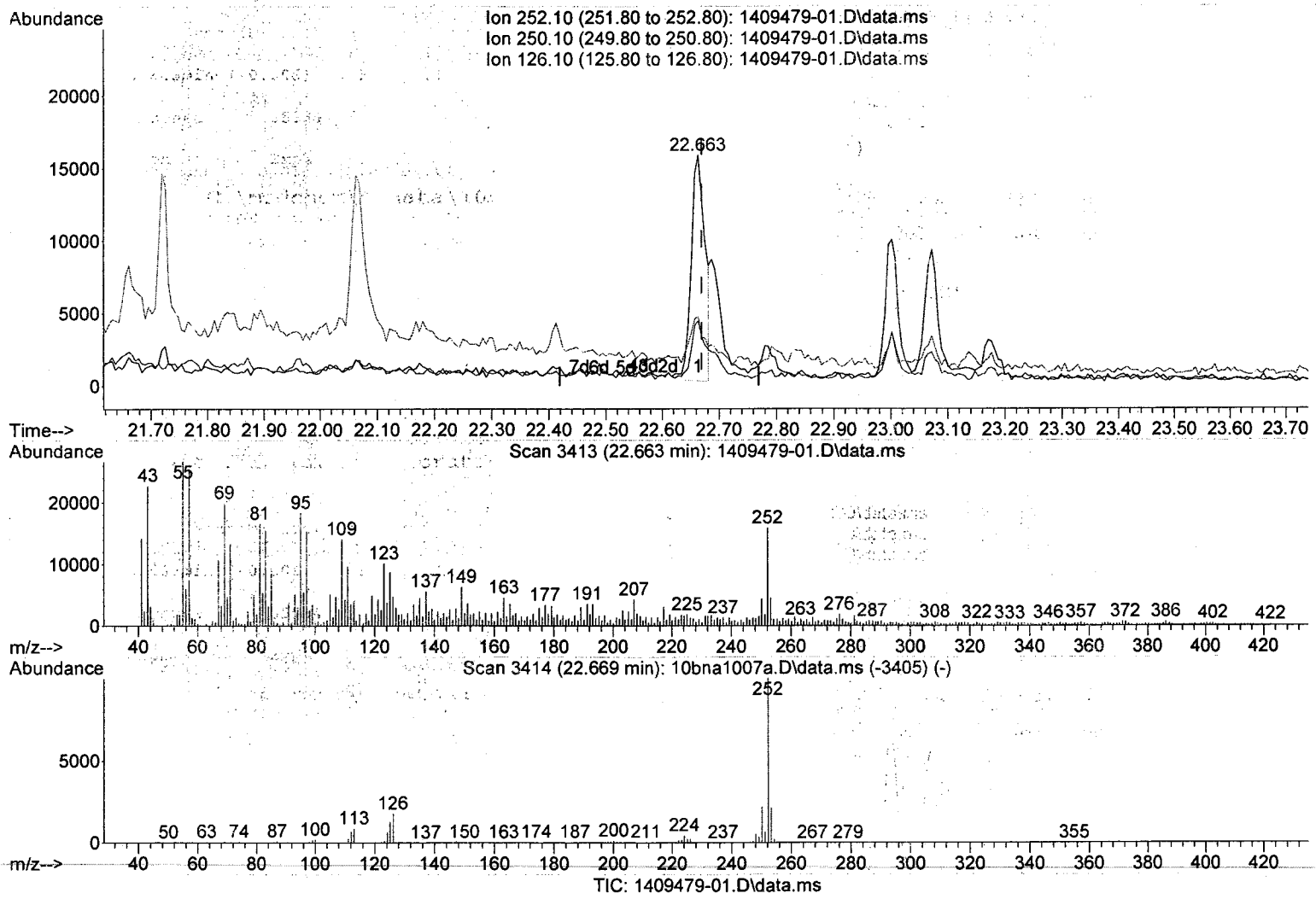
JLB 10/9/14

DWG 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.663min (-0.006) 0.59 ng/uL m

response 25562

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	35.70#
126.10	17.20	27.47#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

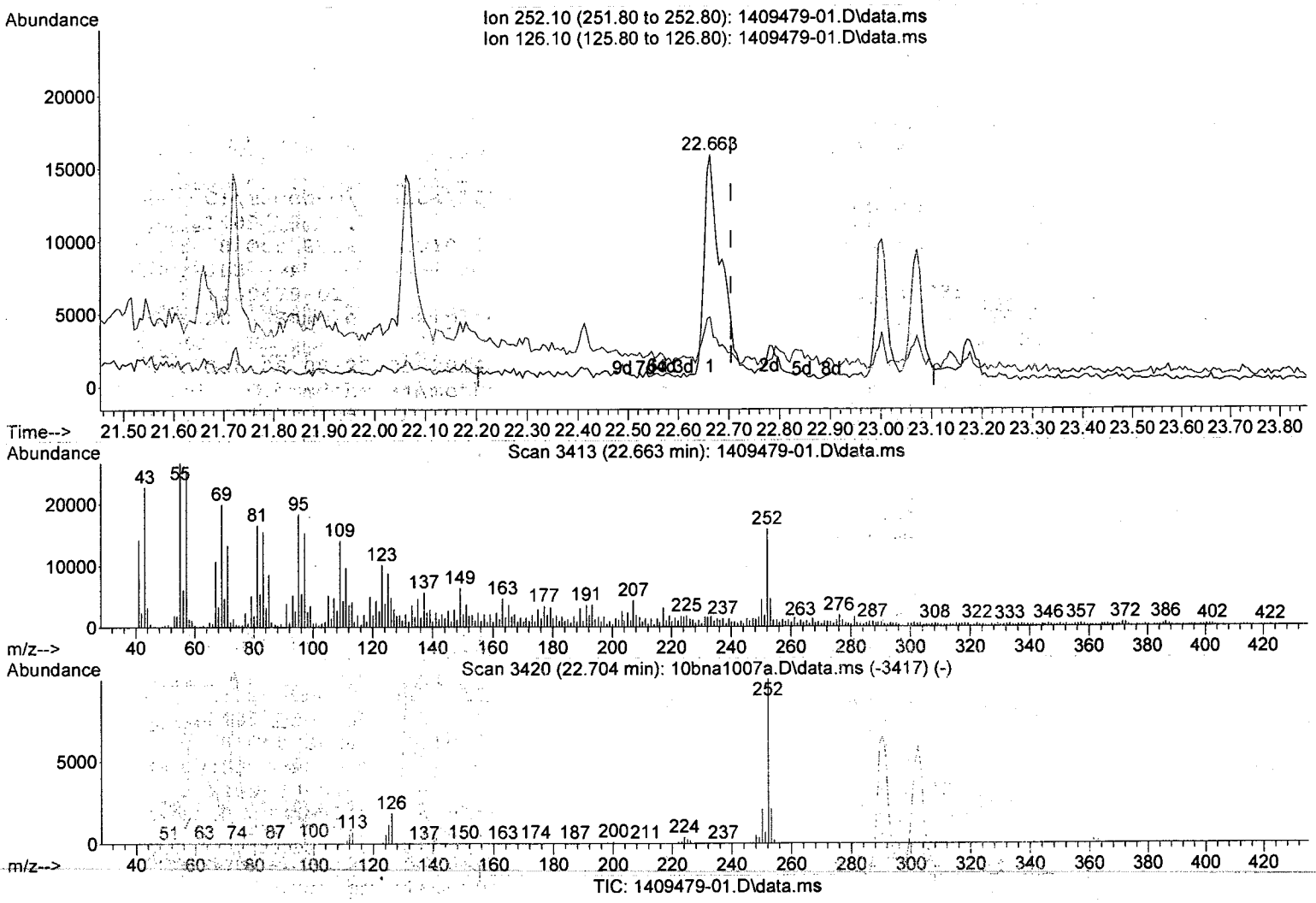
Analyst: JLB Date: 10/9/14

Reviewed By: DWR Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.663min (-0.041) 0.74 ng/uL

response 36186

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	19.41
0.00	0.00	0.00
0.00	0.00	0.00

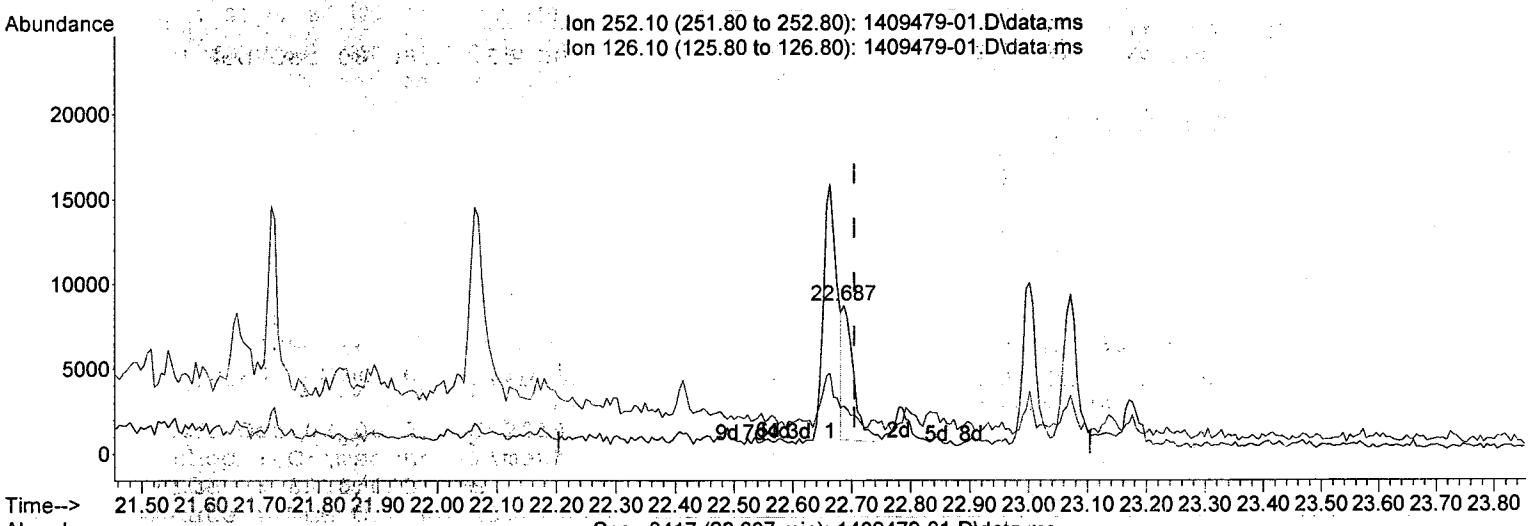
JWS 10/9/14

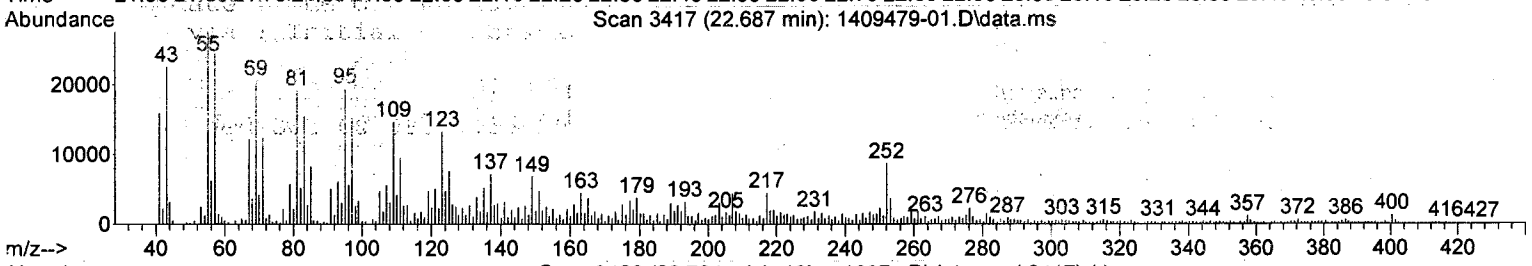
DWS 10-17-14

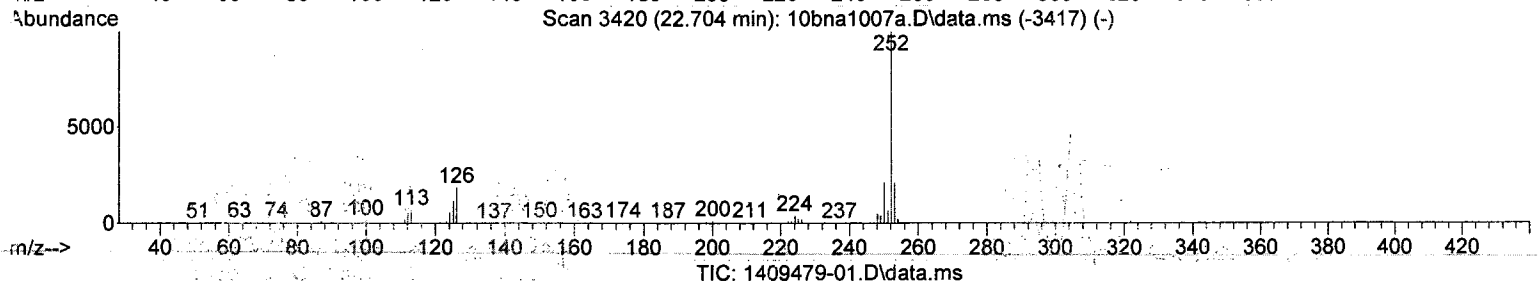
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-01.D\data.ms

(91) Benzo(k)fluoranthene

22.687min (-0.018) 0.21 ng/uL m

response 10362

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	67.78#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

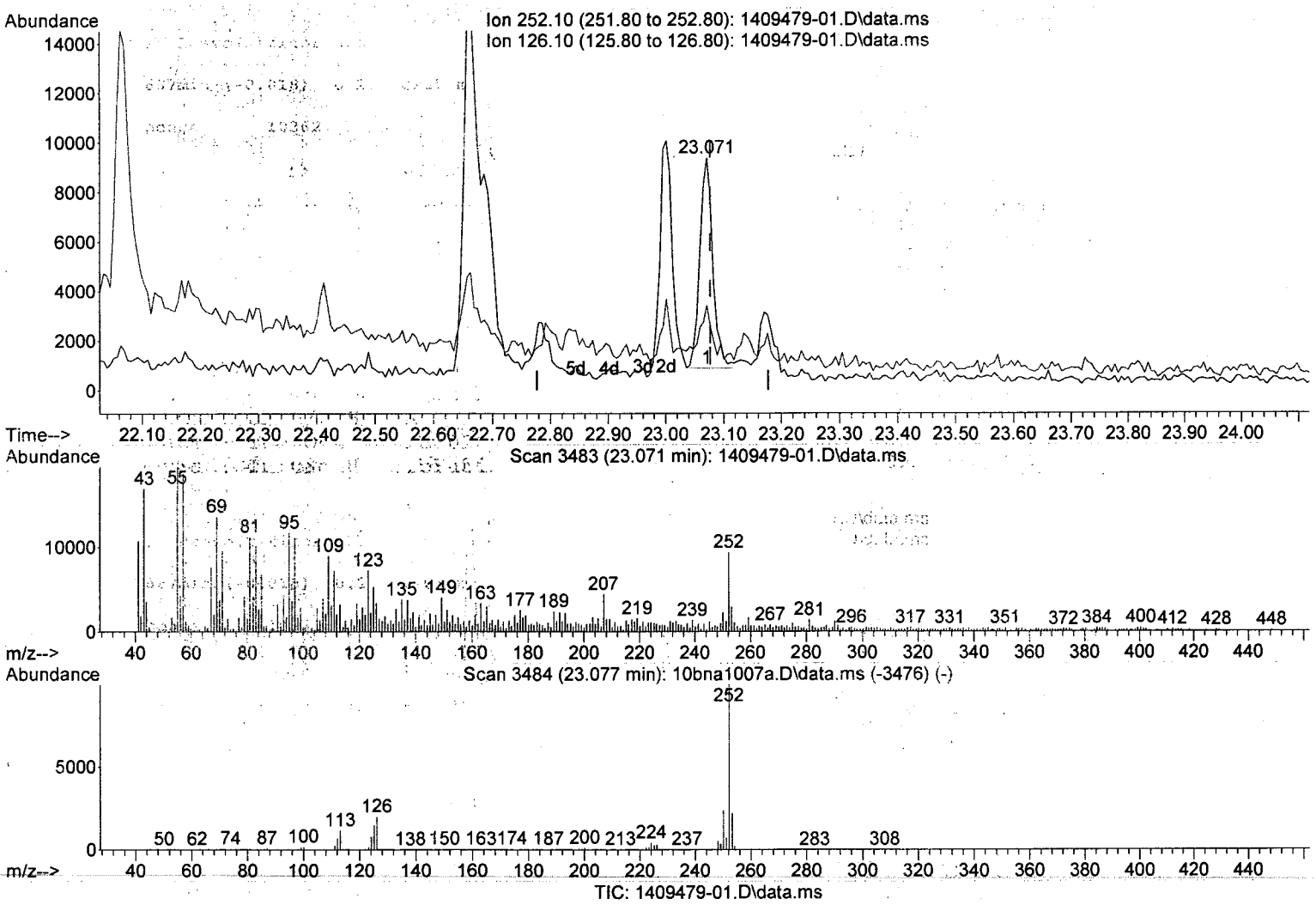
Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) No
Analyst: JLB Date: 10/9/14
Reviewed By: DWT Date: 10-Nov-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-01.D\data.ms

(92) Benzo(a)pyrene (C)

23.071min (-0.006) 0.32 ng/uL

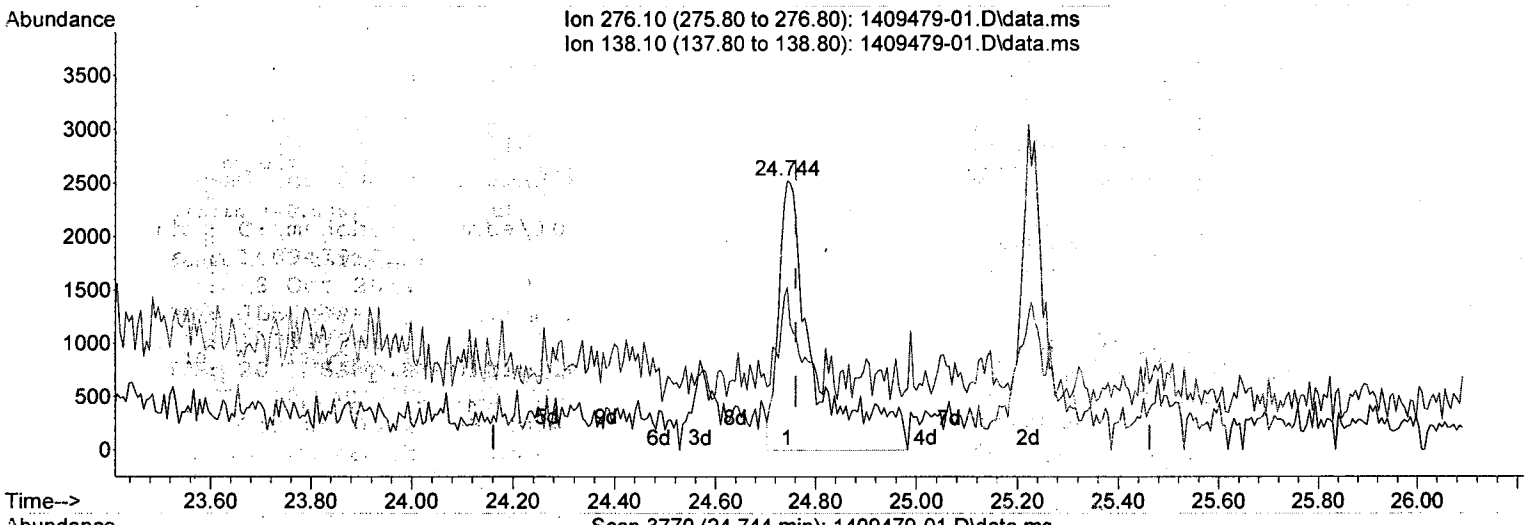
response 13121

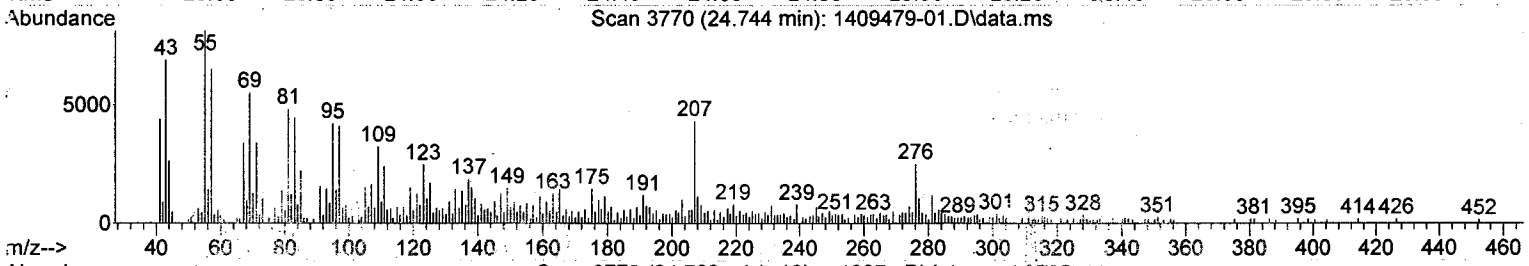
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	19.08
0.00	0.00	0.00
0.00	0.00	0.00

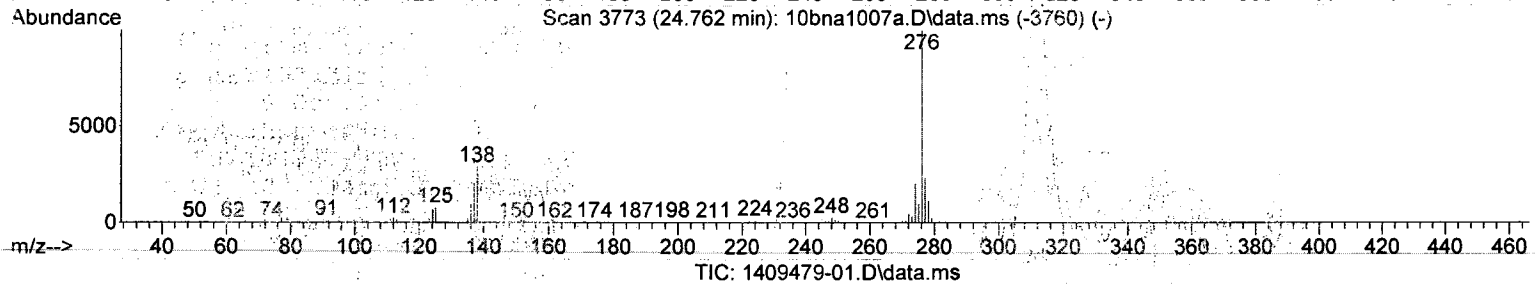
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-01.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.744min (-0.018) 0.35 ng/uL

response 12437

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	21.93#
0.00	0.00	0.00
0.00	0.00	0.00

DWS 10-17-14

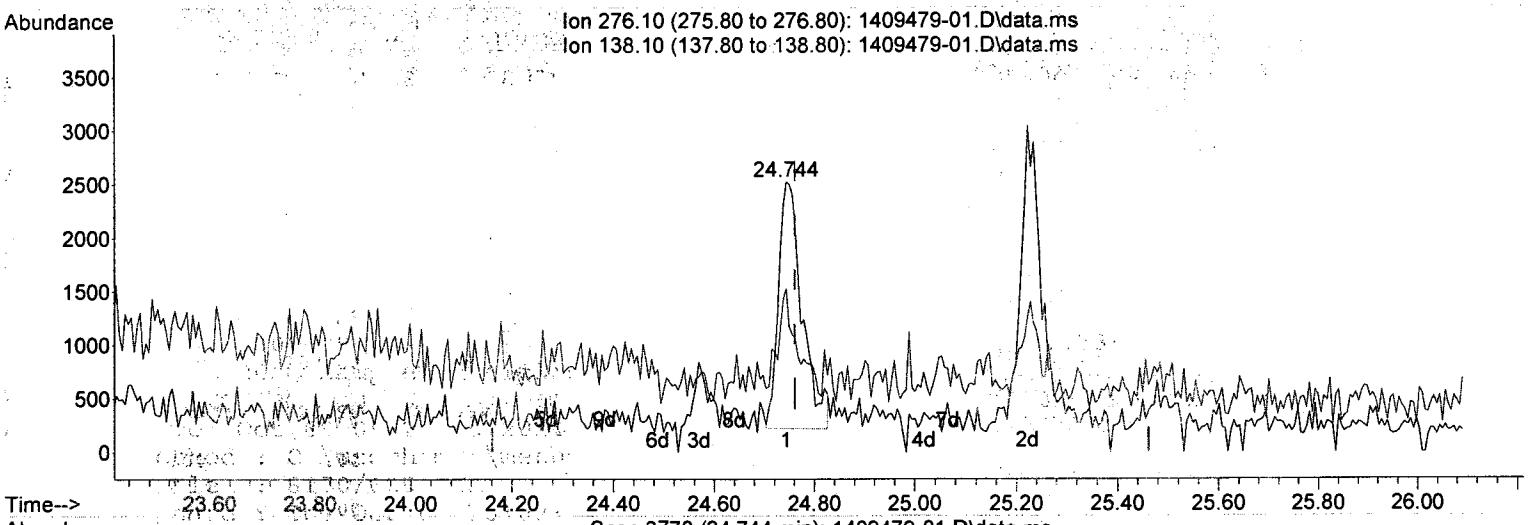
JLS 10/9/14

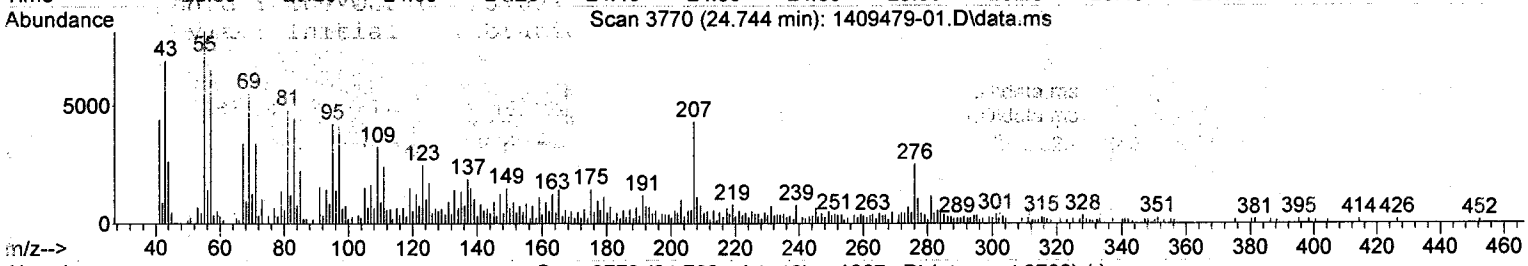
002505

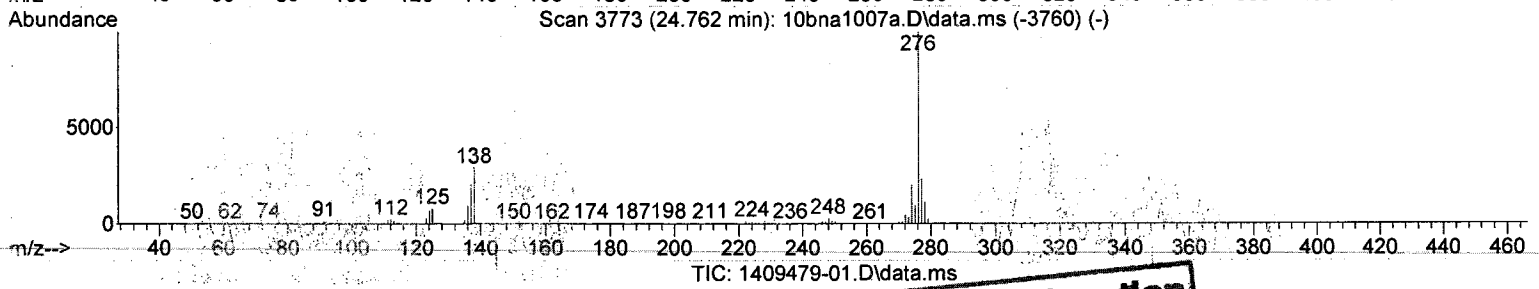
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-01.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.744min (-0.018) 0.21 ng/uL m

response 7549

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	36.14#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

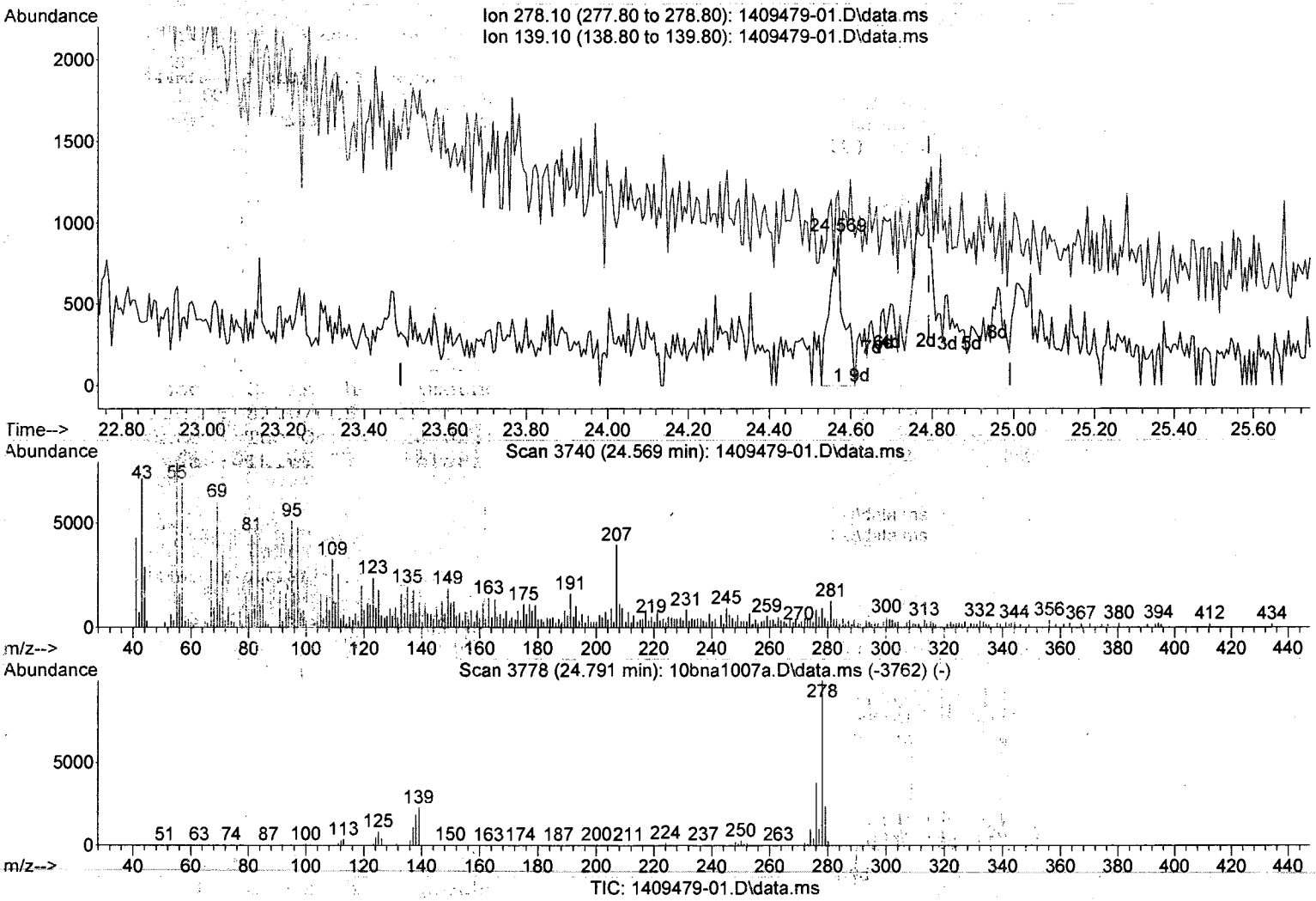
Analyst: JLB Date: 10/9/14

Reviewed By: DWO Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-01.D\data.ms

(94) Dibdenz(a,b)anthracene

24.569min (-0.222) 0.07 ng/uL

response 2159

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	14.50
0.00	0.00	0.00
0.00	0.00	0.00

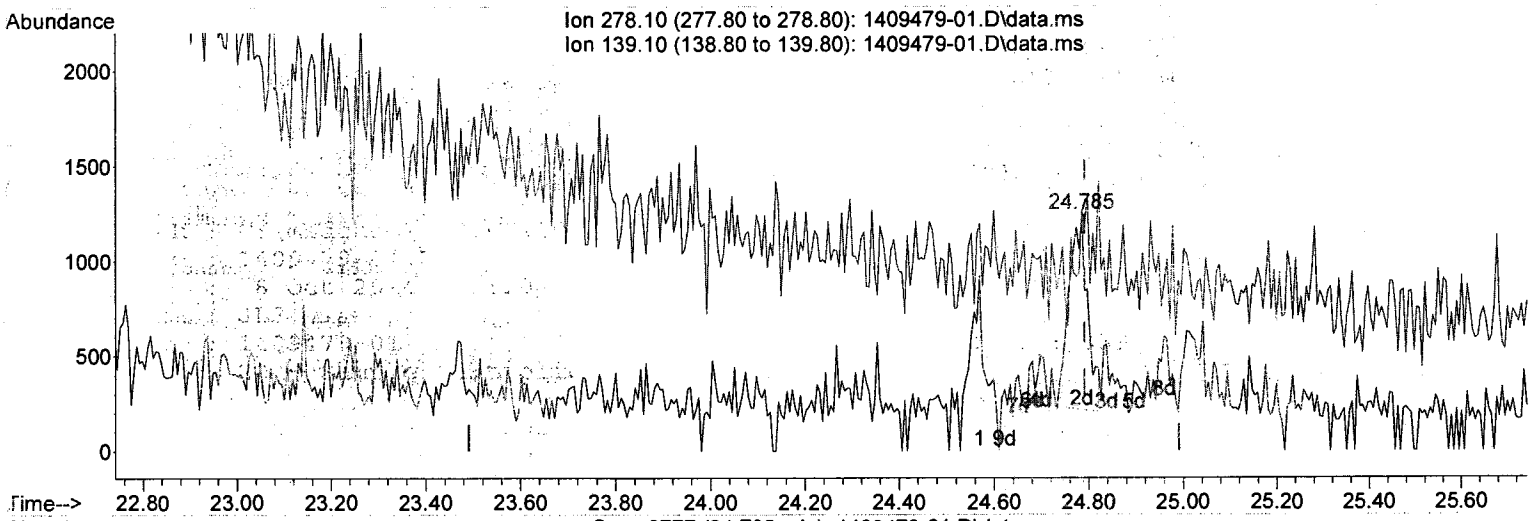
JWS 10/9/14

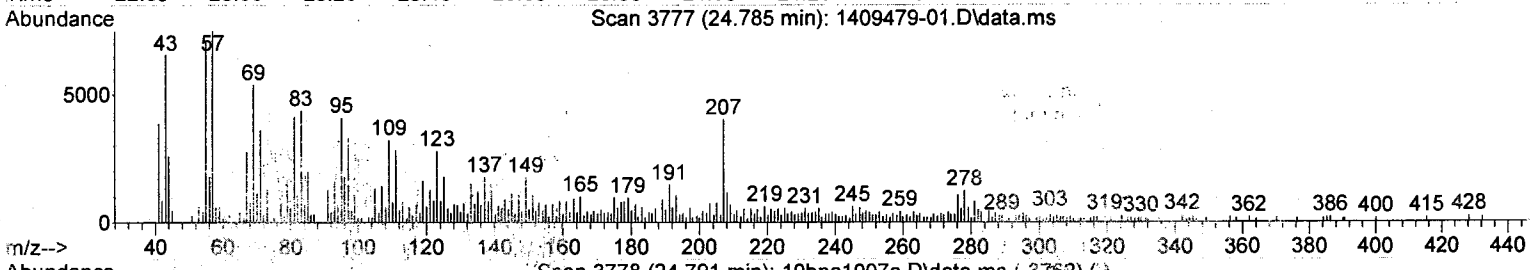
DWS 10-17-14

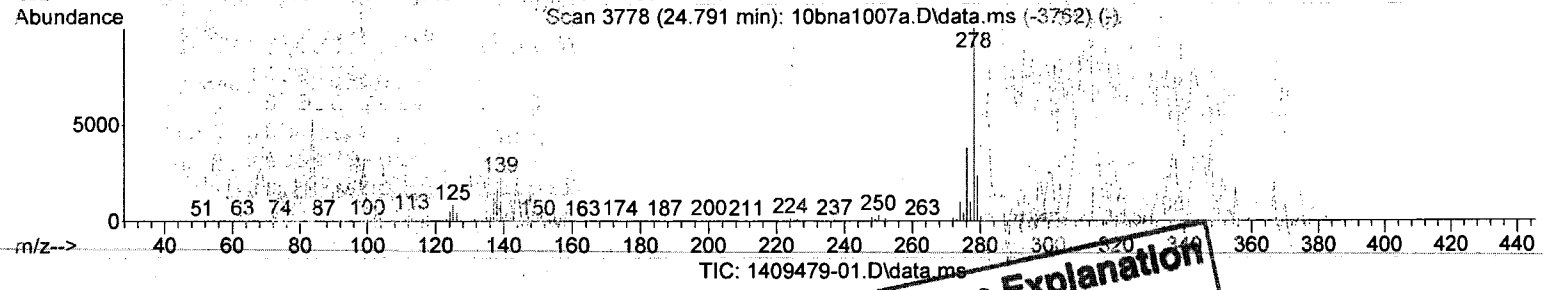
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-01.D\data.ms

(94) Dibdenz(a,h)anthracene

24.785min (-0.006) 0.10 ng/uL m

response 2789

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	7.00	11.22#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

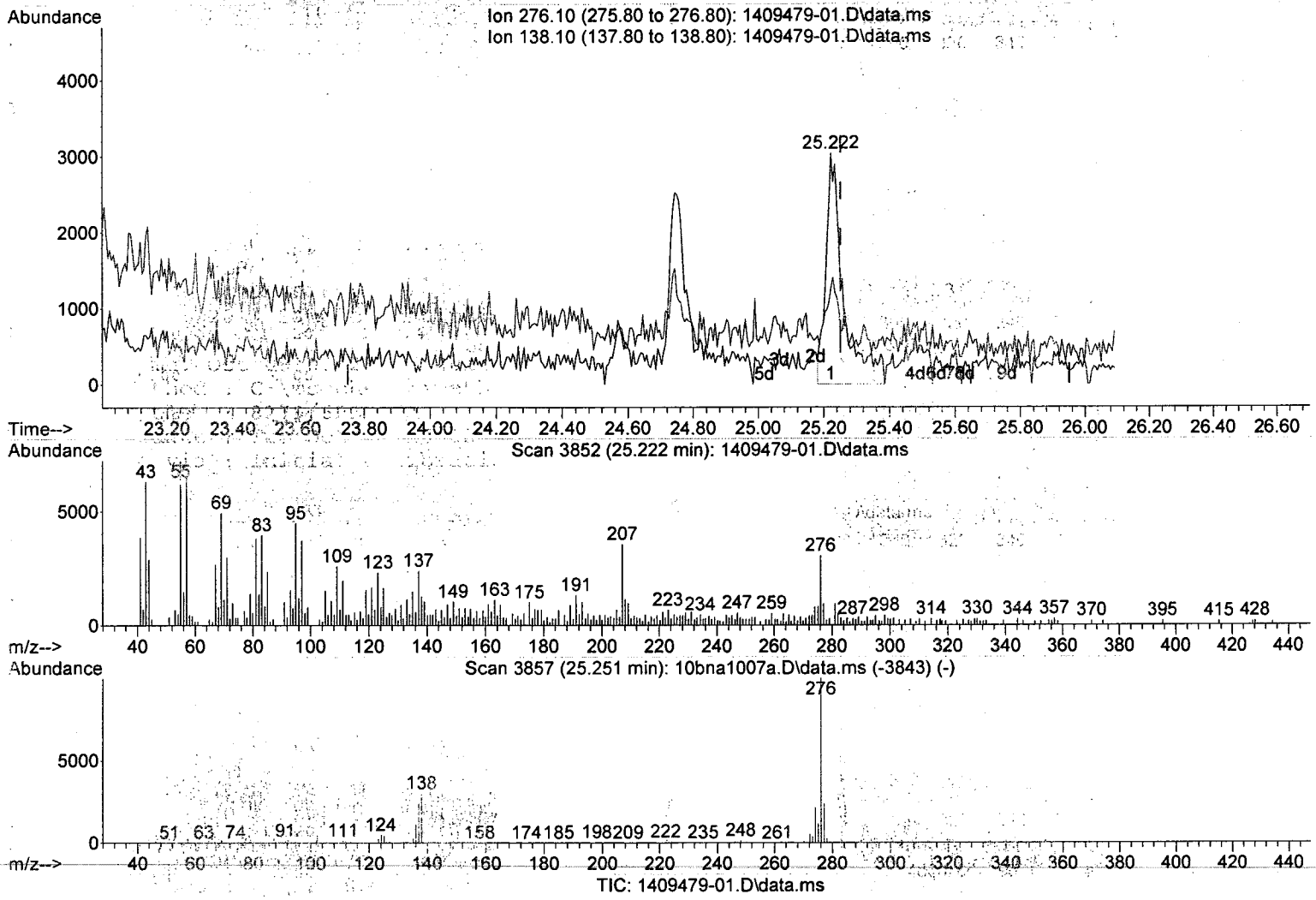
Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 10/9/14
Reviewed By: DWG Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-01.D
Acq On : 8 Oct 2014 1:10
Operator : JLB
Sample : 1409479-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 08 08:22:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-01.D\data.ms

(95) Benzo(g,h,i)Perylene

25.222min (-0.029) 0.36 ng/uL

response 11062

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	18.06#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB01-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-01RE1 File ID: 1409479-01 10x.D

Sampled: 09/25/14 09:00 Prepared: 10/01/14 07:29 Analyzed: 10/08/14 22:30

Solids: 96.08 Preparation: 3550C Sonication Extract Initial/Final: 30.7 grams / 1 mL

QC Batch: 1410496 Sequence: 4J09062 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	170	48	170	170	U
208-96-8	Acenaphthylene	10	170	43	170	170	U
120-12-7	Anthracene	10	170	42	170	170	U
56-55-3	Benzo(a)anthracene	10	87	29	87	170	U
50-32-8	Benzo(a)pyrene	10	87	24	87	170	U
205-99-2	Benzo(b)fluoranthene	10	87	20	87	170	U
207-08-9	Benzo(k)fluoranthene	10	87	20	87	170	U
191-24-2	Benzo(g,h,i)perylene	10	87	20	87	350	U
65-85-0	Benzoic Acid	10	1700	720	1700	3500	U
100-51-6	Benzyl Alcohol	10	170	48	170	170	U
101-55-3	4-Bromophenyl Phenyl Ether	10	170	42	170	170	U
85-68-7	Butyl Benzyl Phthalate	10	170	42	170	350	U
86-74-8	Carbazole	10	170	42	170	1700	U
59-50-7	4-Chloro-3-methylphenol	10	170	52	170	170	U
106-47-8	4-Chloroaniline	10	170	92	170	690	U
111-91-1	Bis(2-chloroethoxy)methane	10	170	42	170	170	U
111-44-4	Bis(2-chloroethyl) Ether	10	170	41	170	170	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	87	38	87	170	U
91-58-7	2-Chloronaphthalene	10	170	51	170	170	U
95-57-8	2-Chlorophenol	10	170	41	170	170	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	170	40	170	170	U
218-01-9	Chrysene	10	170	40	170	170	U
53-70-3	Dibenz(a,h)anthracene	10	87	20	87	350	U
132-64-9	Dibenzofuran	10	170	51	170	170	U
84-74-2	Di-n-butyl Phthalate	10	350	140	350	690	U
106-46-7	1,4-Dichlorobenzene	10	170	50	170	170	U
95-50-1	1,2-Dichlorobenzene	10	170	57	170	170	U
541-73-1	1,3-Dichlorobenzene	10	170	59	170	170	U
91-94-1	3,3´-Dichlorobenzidine	10	6900	2900	6900	8700	U
120-83-2	2,4-Dichlorophenol	10	170	42	170	350	U
84-66-2	Diethyl Phthalate	10	170	50	170	170	U
105-67-9	2,4-Dimethylphenol	10	1400	380	1400	1700	U
131-11-3	Dimethyl Phthalate	10	170	49	170	170	U
534-52-1	4,6-Dinitro-2-methylphenol	10	690	220	690	1700	U
51-28-5	2,4-Dinitrophenol	10	1700	580	1700	1700	U
606-20-2	2,6-Dinitrotoluene	10	87	42	87	170	U
121-14-2	2,4-Dinitrotoluene	10	87	34	87	350	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB01-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-01RE1 File ID: 1409479-01 10x.D

Sampled: 09/25/14 09:00 Prepared: 10/01/14 07:29 Analyzed: 10/08/14 22:30

Solids: 96.08 Preparation: 3550C Sonication Extract Initial/Final: 30.7 grams / 1 mL

QC Batch: 1410496 Sequence: 4J09062 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	170	40	170	170	U
122-66-7	1,2-Diphenylhydrazine	10	87	35	87	170	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	990	120	170	350	B
206-44-0	Fluoranthene	10	170	47	170	170	U
86-73-7	Fluorene	10	170	42	170	350	U
118-74-1	Hexachlorobenzene	10	170	49	170	170	U
87-68-3	Hexachlorobutadiene	10	170	48	170	170	U
67-72-1	Hexachloroethane	10	170	52	170	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	87	28	87	350	U
78-59-1	Isophorone	10	170	40	170	170	U
91-57-6	2-Methylnaphthalene	10	170	47	170	170	U
108-39-4	3+4-Methylphenol	10	87	38	87	170	U
95-48-7	2-Methylphenol	10	87	37	87	170	U
91-20-3	Naphthalene	10	170	58	170	170	U
100-01-6	4-Nitroaniline	10	700	250	700	3400	U
88-74-4	2-Nitroaniline	10	87	37	87	170	U
99-09-2	3-Nitroaniline	10	350	170	350	3400	U
98-95-3	Nitrobenzene	10	170	48	170	170	U
88-75-5	2-Nitrophenol	10	170	47	170	170	U
100-02-7	4-Nitrophenol	10	3500	1100	3500	6900	U
62-75-9	N-Nitroso-dimethylamine	10	69	34	69	350	U
86-30-6	N-Nitroso-diphenylamine	10	87	36	87	170	U
621-64-7	N-Nitroso-di-n-propylamine	10	170	42	170	170	U
87-86-5	Pentachlorophenol	10	170	140	170	1700	U
85-01-8	Phenanthrene	10	170	42	170	170	U
108-95-2	Phenol	10	170	40	170	1700	U
129-00-0	Pyrene	10	170	45	170	170	U
120-82-1	1,2,4-Trichlorobenzene	10	170	46	170	170	U
95-95-4	2,4,5-Trichlorophenol	10	170	47	170	170	U
88-06-2	2,4,6-Trichlorophenol	10	87	26	87	170	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	678	441	65	33 - 113	D
Phenol-d6	678	468	69	30 - 115	D
Nitrobenzene-d5	339	220	65	33 - 131	D
2-Fluorobiphenyl	339	254	75	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB01-08

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-01RE1
File ID: 1409479-01 10x.D
Sampled: 09/25/14 09:00
Prepared: 10/01/14 07:29
Analyzed: 10/08/14 22:30
Solids: 96.08
Preparation: 3550C Sonication Extract
Initial/Final: 30.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J09062
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	678	312	46	12 - 124	D
o-Terphenyl	339	278	82	20 - 155	D

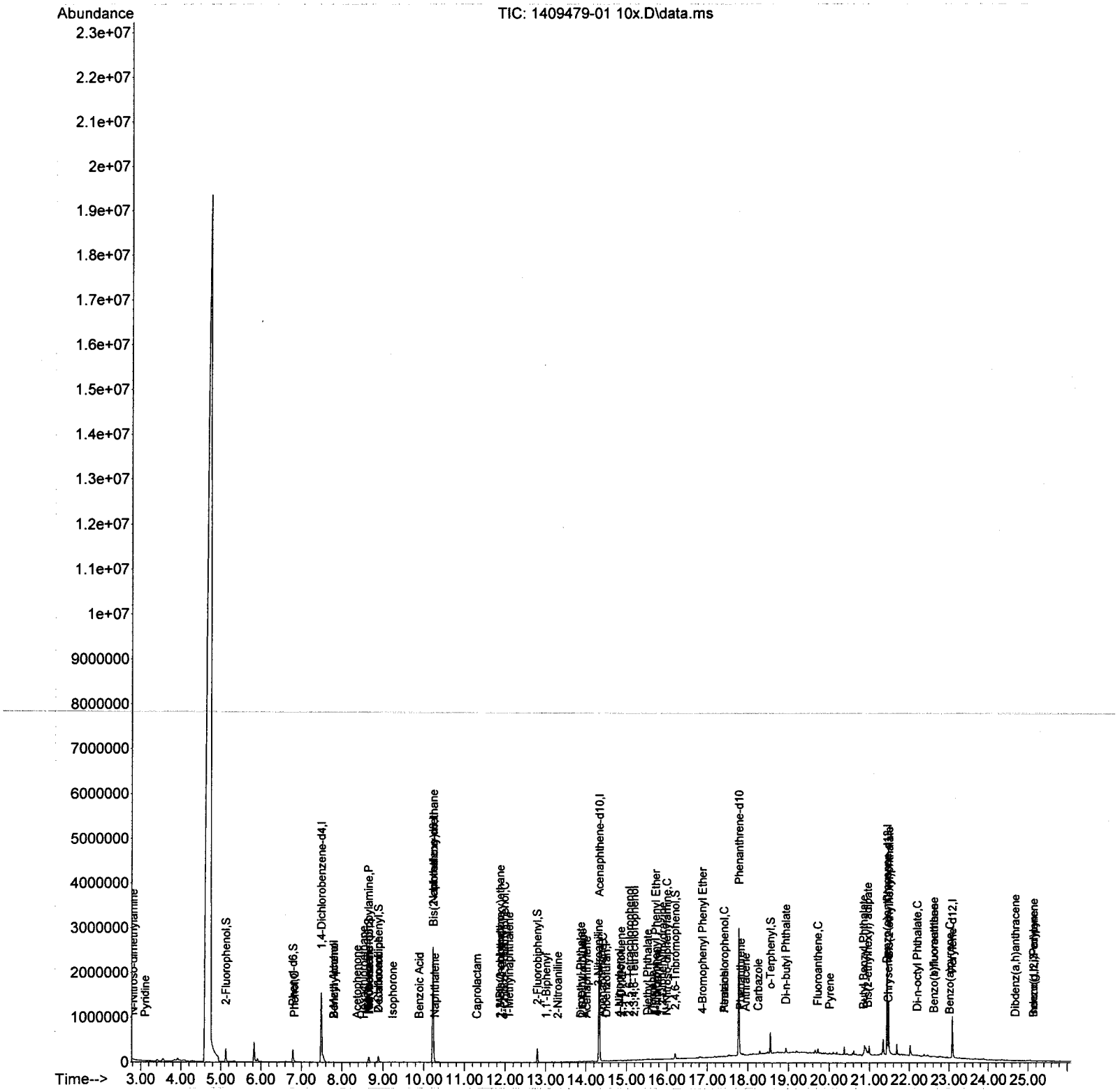
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	494379	7.491	403279	7.614	
Naphthalene-d8	1942481	10.225	1529030	10.359	
Acenaphthene-d10	1122845	14.328	866604	14.474	
Phenanthrene-d10	1701433	17.779	1400442	17.901	
Chrysene-d12	1082806	21.445	1153654	21.538	
Perylene-d12	517499	23.083	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409479-01 10x.D
Acq On : 8 Oct 2014 22:30
Operator : JLB
Sample : 1409479-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 15:47:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409479-01 10x.D
Acq On : 8 Oct 2014 22:30
Operator : JLB
Sample : 1409479-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 15:47:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.491	152	494379	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.225	136	1942481	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.328	164	1122845	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.779	188	1701433	5.00	ng/uL	0.00
81) Chrysene-d12	21.445	240	1082806	5.00	ng/uL	# 0.00
89) Perylene-d12	23.083	264	517499	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.125	112	146666	1.30	ng/uL	0.05
6) Phenol-d6	6.792	99	201192	1.38	ng/uL	0.00
21) Nitrobenzene-d5	8.651	82	80404	0.65	ng/uL	-0.01
23) Decafluorobiphenyl	8.884	334	59218	0.68	ng/uL	0.00
47) 2-Fluorobiphenyl	12.795	172	174614	0.75	ng/uL	-0.02
70) 2,4,6-Tribromophenol	16.211	330	23831	0.92	ng/uL	-0.01
78) o-Terphenyl	18.554	230	119234	0.82	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.811	74	135	0.00	ng/uL#	1
3) Pyridine	3.108	79	173	0.00	ng/uL#	14
5) Aniline	0.000		0	N.D.		
7) Phenol	6.827	94	731	0.00	ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	0.000		0	N.D.		
14) Benzyl Alcohol	7.800	108	223	0.00	ng/uL#	54
15) 2-Methylphenol	7.800	108	223	0.00	ng/uL#	34
16) Acetophenone	8.371	105	123	0.00	ng/uL#	52
17) Hexachloroethane	8.529	119	434	0.01	ng/uL#	3
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.645	70	10038	0.11	ng/uL#	9
22) Nitrobenzene	8.657	77	315	0.00	ng/uL#	1
24) Isophorone	9.240	82	200	0.00	ng/uL#	58
25) 2-Chloroaniline	8.878	127	641	0.00	ng/uL#	62
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	10.231	93	1064	0.01	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.893	105	591	~~2.46~~	ng/uL#	11
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.266	128	3058	0.01	ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.		
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.303	55	8205	0.15	ng/uL#	25
37) 1,2-Bis(2-chloroethoxy...	11.880	63	687	0.01	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.985	107	124	0.00	ng/uL#	10
39) 2-Methylnaphthalene	11.886	142	8313	0.03	ng/uL	95
40) 1-Methylnaphthalene	12.102	142	3504	0.02	ng/uL	94
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409479-01 10x.D
Acq On : 8 Oct 2014 22:30
Operator : JLB
Sample : 1409479-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 15:47:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	0.000		0	N.D.		
49) 1,1'-Biphenyl	13.017	154	2389	0.01	ng/uL	97
50) 2-Nitroaniline	13.302	138	114	0.00	ng/uL#	66
51) Acenaphthylene	14.019	152	443	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	13.914	165	656	0.01	ng/uL#	36
53) Dimethyl Phthalate	13.874	163	704	0.00	ng/uL	96
54) 3-Nitroaniline	14.311	138	492	0.01	ng/uL#	56
55) Acenaphthene	14.410	153	259	0.00	ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.497	168	662	0.00	ng/uL	92
58) 4-Nitrophenol	14.824	65	168	0.00	ng/uL#	1
59) 2,4-Dinitrotoluene	14.859	165	139	0.00	ng/uL#	17
60) 2,3,5,6-Tetrachlorophenol	15.068	232	244	0.00	ng/uL#	30
61) 2,3,4,6-Tetrachlorophenol	15.185	232	314	0.01	ng/uL#	58
62) Fluorene	15.640	166	873	0.00	ng/uL#	51
63) Diethyl Phthalate	15.523	149	3219	0.01	ng/uL#	27
64) 4-Chlorophenyl Phenyl ...	15.721	204	449	0.00	ng/uL#	45
65) 4-Nitroaniline	15.762	138	317	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
68) N-Nitroso-diphenylamine	15.995	169	711	0.00	ng/uL#	32
69) 1,2-Diphenylhydrazine	15.890	182	75	0.00	ng/uL	85
71) 4-Bromophenyl Phenyl E...	16.881	248	313	0.01	ng/uL#	2
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.412	200	60	0.00	ng/uL#	1
74) Pentachlorophenol	17.417	266	117	0.00	ng/uL#	1
75) Phenanthrene	17.820	178	8674	0.03	ng/uL#	86
76) Anthracene	17.942	178	644	0.00	ng/uL#	1
77) Carbazole	18.251	167	1038	0.00	ng/uL#	60
79) Di-n-butyl Phthalate	18.939	149	41357	0.13	ng/uL#	90
80) Fluoroanthene	19.720	202	13696	0.04	ng/uL#	63
82) Pyrene	20.017	202	13445	0.05	ng/uL#	85
83) Butyl Benzyl Phthalate	20.850	149	9081	0.09	ng/uL	88
84) Bis(2-ethylhexyl) adipate	20.955	129	8209	0.15	ng/uL#	100
85) Benzo(a)anthracene	21.433	228	9148	0.05	ng/uL#	35
86) Chrysene	21.468	228	5353	0.03	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.486	149	380063	2.93	ng/uL	93
88) Di-n-octyl Phthalate	22.197	149	23571	~~0.44~~	ng/uL#	78
90) Benzo(b)fluoroanthene	22.617	252	7576	~~0.08~~	ng/uL#	85
91) Benzo(k)fluoranthene	22.617	252	7576	~~0.07~~	ng/uL#	84
92) Benzo(a)pyrene	23.013	252	2756	0.03	ng/uL	95
93) Indeno(1,2,3-cd)pyrene	25.135	276	2708	0.04	ng/uL#	69
94) Dibdenz(a,h)anthracene	24.680	278	549	0.01	ng/uL#	1
95) Benzo(g,h,i)Perylene	25.135	276	2708	0.04	ng/uL#	64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409479-01 10x.D
Acq On : 8 Oct 2014 22:30
Operator : JLB
Sample : 1409479-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 09:07:58 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration

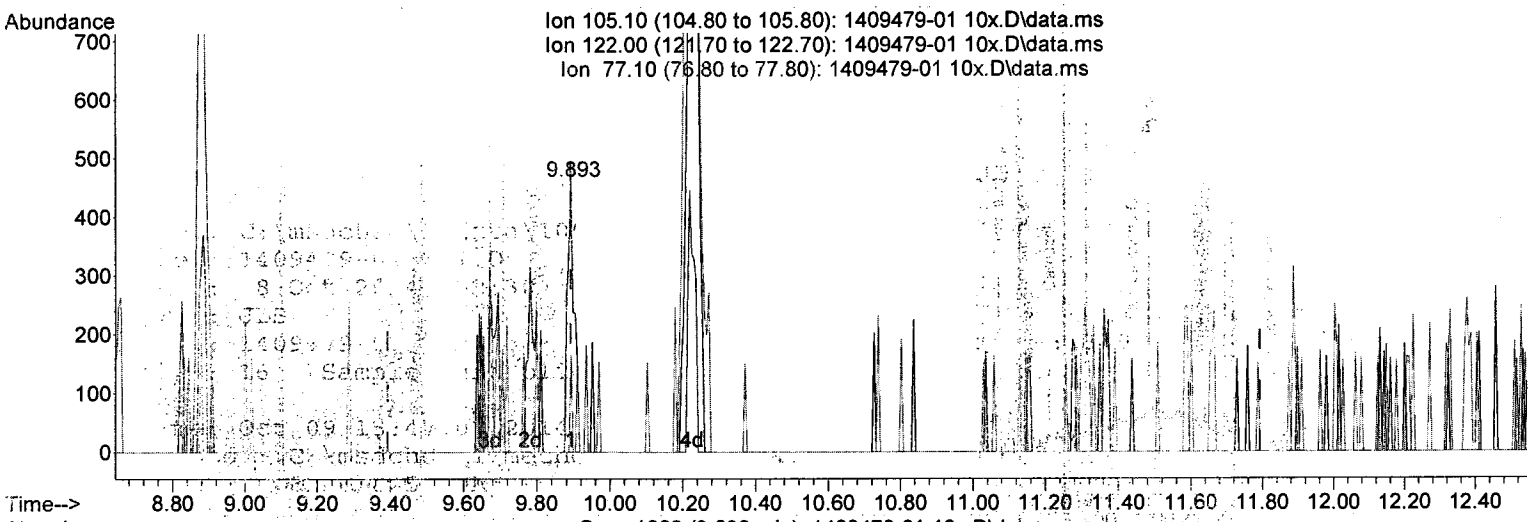
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.491	152	484246	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.225	136	1942481	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.328	164	1117473	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.779	188	1703752	5.00	ng/uL		0.00
19) Chrysene-d12	21.445	240	1082806	5.00	ng/uL	#	0.00
22) Perylene-d12	23.083	264	517499	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.811	74	135	0.00	ng/uL	#	1
3) Pyridine	3.108	79	173	0.00	ng/uL	#	14
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.646	105	1025	0.01	ng/uL	#	1
6) Acetophenone	8.325	105	735	0.00	ng/uL	#	56
7) N-Nitroso-di-n-propyla...	8.645	70	10038	0.11	ng/uL	#	9
9) 4-Chloroaniline	10.272	127	299	0.01	ng/uL		93
10) Caprolactam	11.204	55	2144	0.13	ng/uL	#	36
12) 1,1'-Biphenyl	13.017	154	2389	0.01	ng/uL		97
13) 2-Nitroaniline	13.302	138	114	0.01	ng/uL	#	66
14) 3-Nitroaniline	14.311	138	492	Below Cal		#	56
15) 4-Nitroaniline	15.727	138	302	Below Cal		#	22
17) N-Nitroso-diphenylamine	15.995	169	711	0.00	ng/uL	#	32
18) Atrazine	17.487	200	111	Below Cal		#	1
20) Benzidine	19.603	184	14819	0.50	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.328	252	478	0.01	ng/uL		88

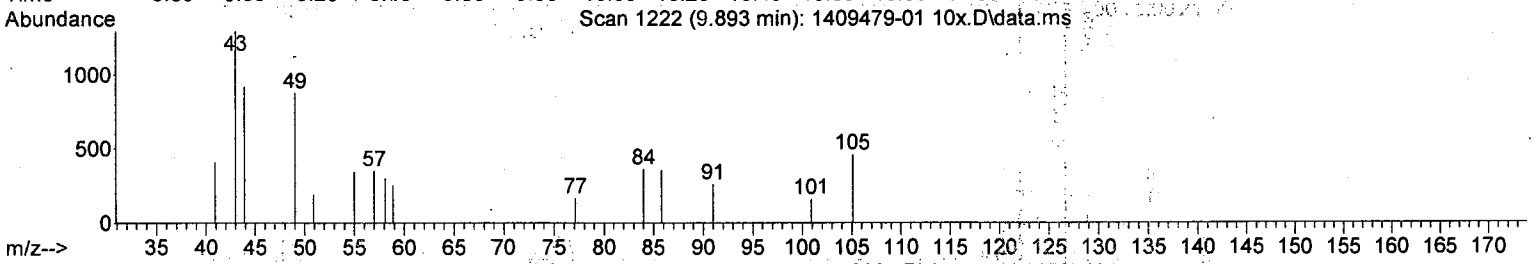
(#) = qualifier out of range (m) = manual integration (+) = signals summed

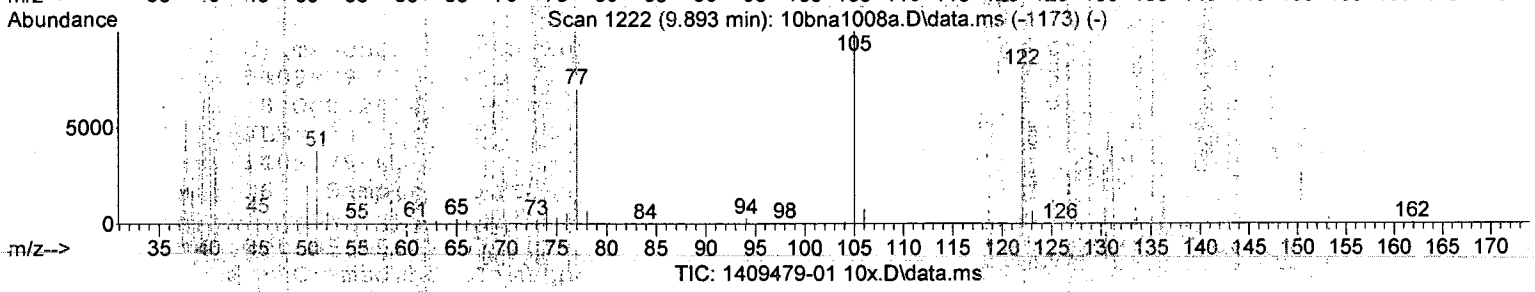
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409479-01 10x.D
Acq On : 8 Oct 2014 22:30
Operator : JLB
Sample : 1409479-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 15:47:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409479-01 10x.D\data.ms

(30) Benzoic Acid

9.893min (-0.000) 2.46 ng/uL

response 591

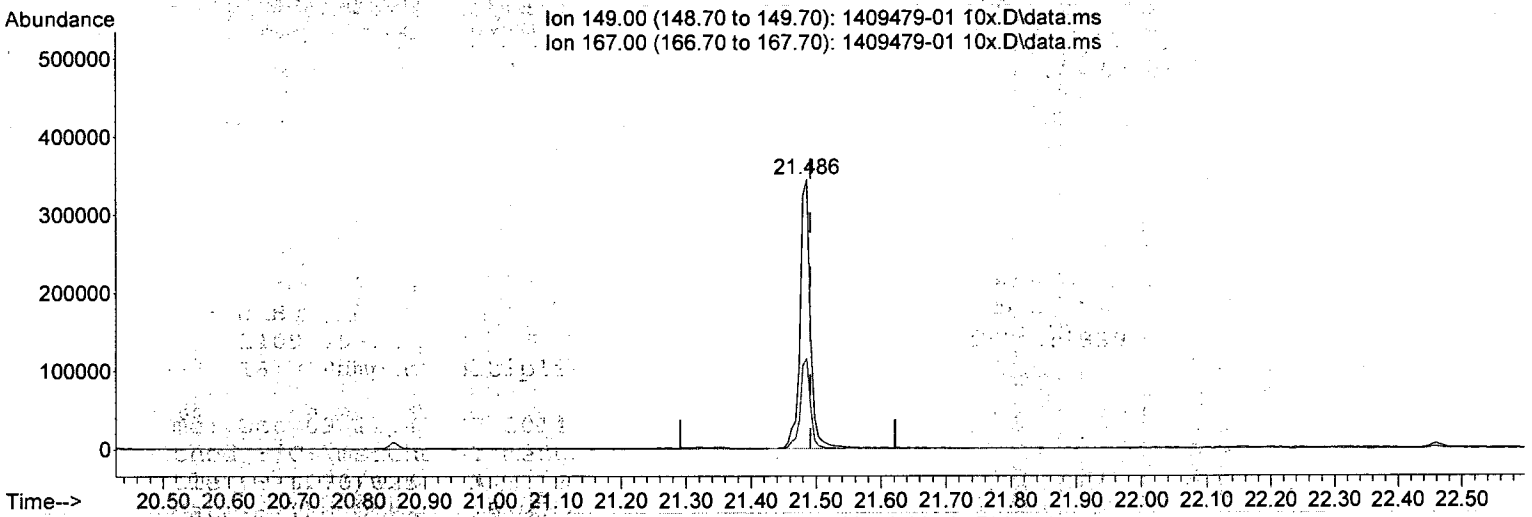
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

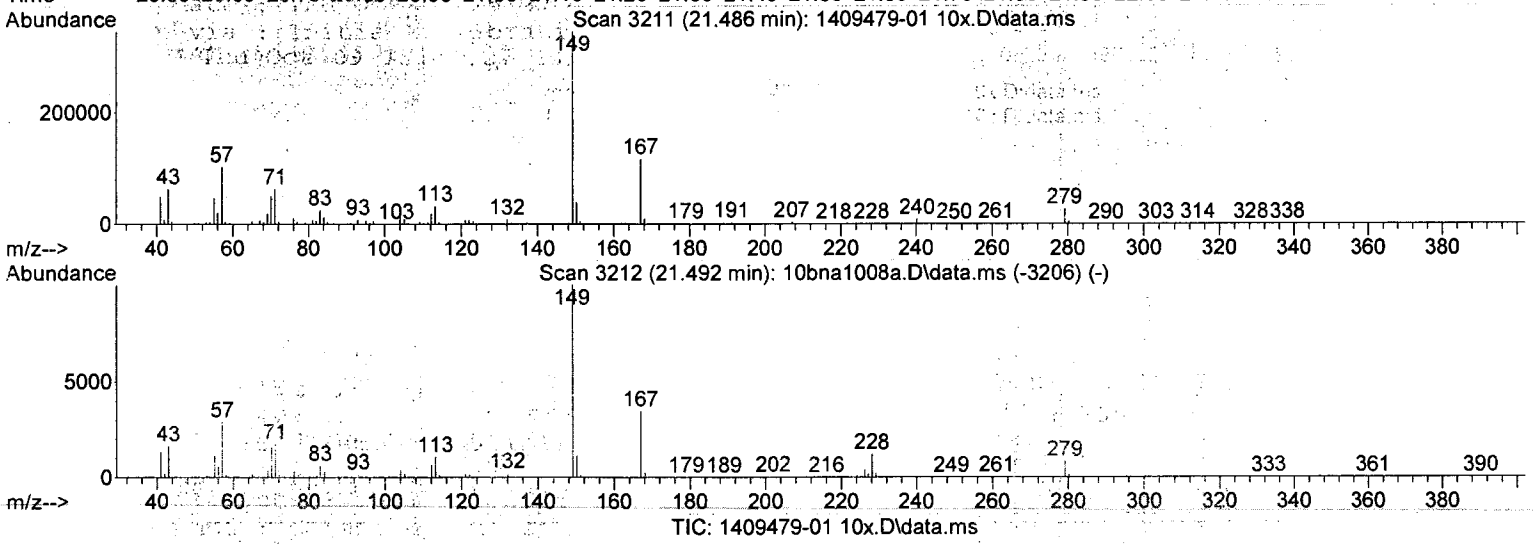
PP

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409479-01 10x.D
Acq On : 8 Oct 2014 22:30
Operator : JLB
Sample : 1409479-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 15:47:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration





TIC: 1409479-01 10x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.486min (-0.006) 2.93 ng/uL

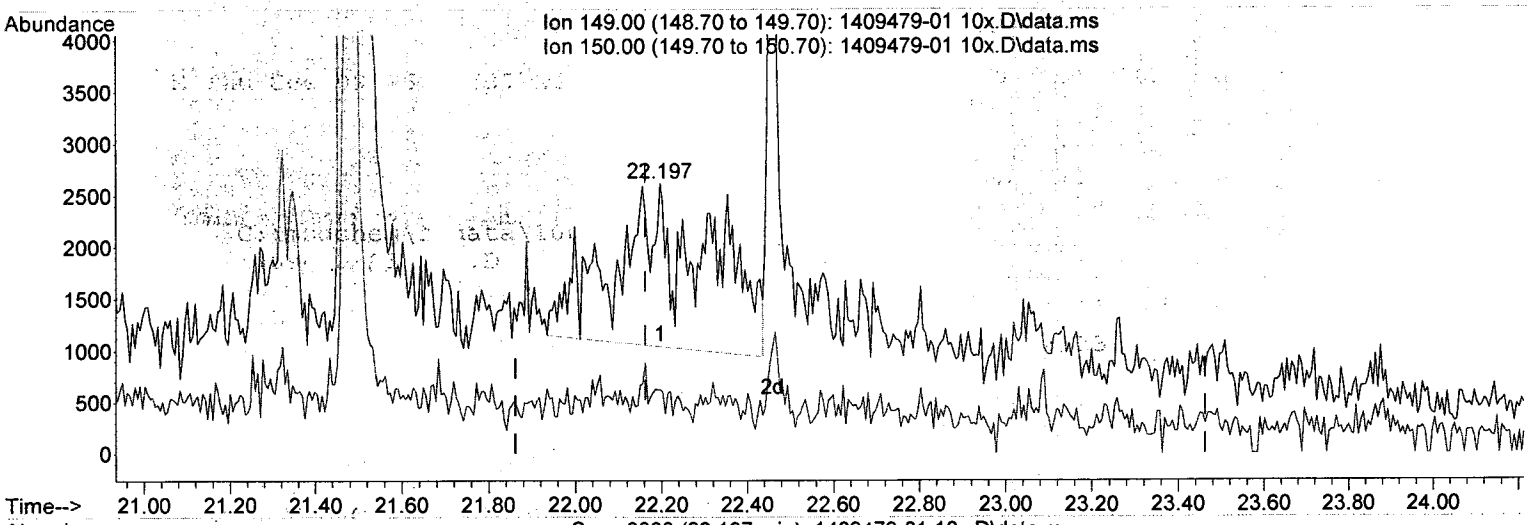
response 380063

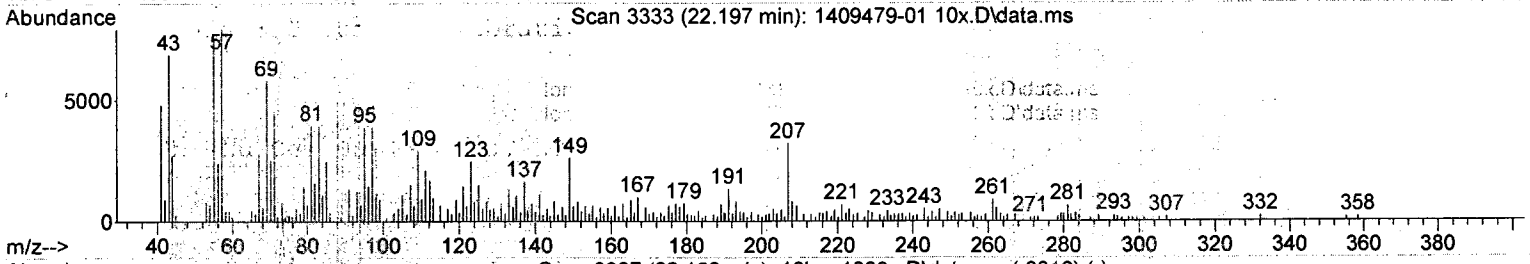
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.10
0.00	0.00	0.00
0.00	0.00	0.00

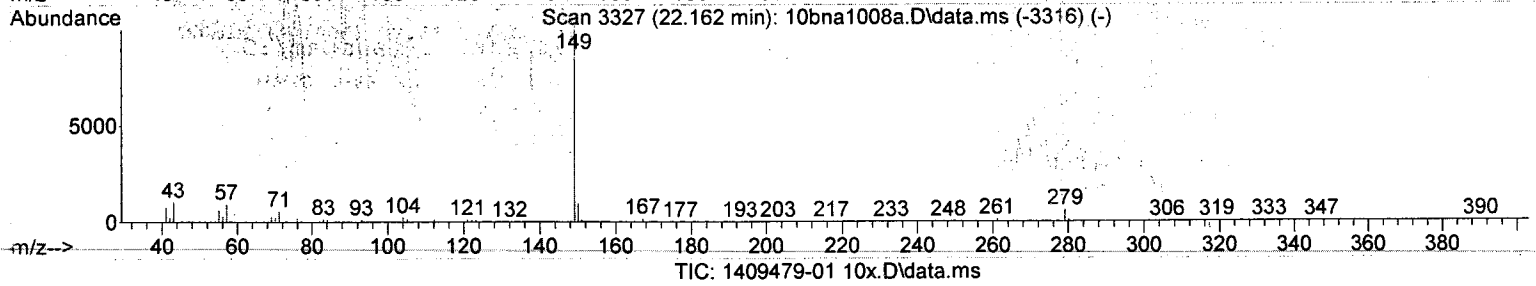
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409479-01 10x.D
Acq On : 8 Oct 2014 22:30
Operator : JLB
Sample : 1409479-01 10x Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 15:47:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409479-01 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.197min (+ 0.035) 0.44 ng/uL

response 23571

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.48#
0.00	0.00	0.00
0.00	0.00	0.00

pf

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB01-32

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-02 File ID: 1409479-02.D

Sampled: 09/25/14 09:20 Prepared: 10/01/14 07:29 Analyzed: 10/08/14 01:43

Solids: 96.96 Preparation: 3550C Sonication Extract Initial/Final: 29.5 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	6.6	2.8	8.6	17	J
50-32-8	Benzo(a)pyrene	1	7.3	2.4	8.6	17	J
205-99-2	Benzo(b)fluoranthene	1	13	2.0	8.6	17	J
207-08-9	Benzo(k)fluoranthene	1	4.5	2.0	8.6	17	J
191-24-2	Benzo(g,h,i)perylene	1	8.7	1.9	8.6	34	J
65-85-0	Benzoic Acid	1	89	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	380	4.1	17	34	
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	7.7	4.0	17	17	J
53-70-3	Dibenz(a,h)anthracene	1	4.9	2.0	8.6	34	J
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	70	14	34	69	
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3'-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB01-32

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-02 File ID: 1409479-02.D

Sampled: 09/25/14 09:20 Prepared: 10/01/14 07:29 Analyzed: 10/08/14 01:43

Solids: 96.96 Preparation: 3550C Sonication Extract Initial/Final: 29.5 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	870	12	17	34	B
206-44-0	Fluoranthene	1	12	4.6	17	17	J
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	7.0	2.8	8.6	34	J
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.5	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	7.0	4.2	17	17	J
108-95-2	Phenol	1	7.0	4.0	17	170	J
129-00-0	Pyrene	1	20	4.4	17	17	
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	699	389	56	33 - 113	
Phenol-d6	699	253	36	30 - 115	
Nitrobenzene-d5	350	260	74	33 - 131	
2-Fluorobiphenyl	350	303	87	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB01-32

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-02
File ID: 1409479-02.D
Sampled: 09/25/14 09:20
Prepared: 10/01/14 07:29
Analyzed: 10/08/14 01:43
Solids: 96.96
Preparation: 3550C Sonication Extract
Initial/Final: 29.5 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	699	549	78	12 - 124	
o-Terphenyl	350	315	90	20 - 155	

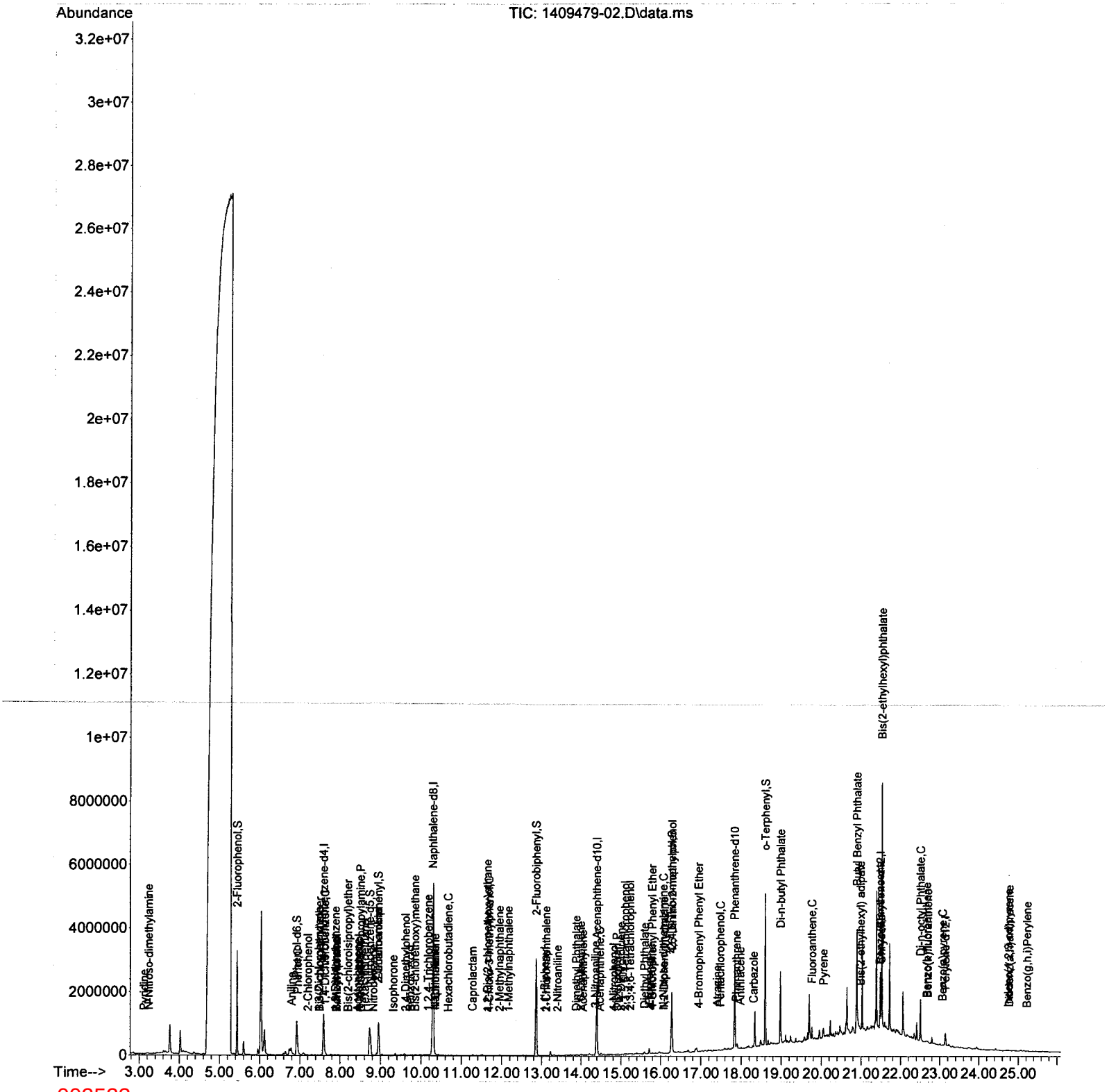
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	447585	7.596	403279	7.614	
Naphthalene-d8	1687109	10.295	1529030	10.359	
Acenaphthene-d10	1032576	14.398	866604	14.474	
Phenanthrene-d10	1634266	17.837	1400442	17.901	
Chrysene-d12	768658	21.486	1153654	21.538	
Perylene-d12	236325	23.141	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:36:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:36:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.596	152	447585	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.295	136	1687109	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	1032576	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.837	188	1634266	5.00	ng/uL	0.00
81) Chrysene-d12	21.486	240	768658	5.00	ng/uL	# 0.00
89) Perylene-d12	23.141	264	236325 bw	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.440	112	1138198m	11.13	ng/uL	0.30
6) Phenol-d6	6.920	99	957655	7.23	ng/uL	0.06
21) Nitrobenzene-d5	8.733	82	802489	7.44	ng/uL	0.00
23) Decafluorobiphenyl	8.948	334	633196	8.37	ng/uL	0.00
47) 2-Fluorobiphenyl	12.865	172	1849081	8.67	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	388959	15.69	ng/uL	-0.01
78) o-Terphenyl	18.607	230	1263055	9.01	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.236	74	334	0.01	ng/uL#	1
3) Pyridine	3.120	79	416	0.00	ng/uL	88
5) Aniline	6.792	93	4079	0.26	ng/uL	93
7) Phenol	6.943	94	29410	0.20	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.491	93	404	0.00	ng/uL	95
9) 2-Chlorophenol	7.200	128	125	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.480	146	2541	0.02	ng/uL#	8
11) 1,4-Dichlorobenzene	7.625	146	1440	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.888	146	143	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.197	45	2379	0.01	ng/uL#	56
14) Benzyl Alcohol	7.911	108	621	0.01	ng/uL#	1
15) 2-Methylphenol	7.911	108	621	0.01	ng/uL#	23
16) Acetophenone	8.436	105	2810	0.02	ng/uL	97
17) Hexachloroethane	8.610	119	728	0.02	ng/uL#	27
18) 4-Methylphenol	8.465	108	208	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.511	70	633	0.01	ng/uL	80
22) Nitrobenzene	8.820	77	263	0.00	ng/uL#	1
24) Isophorone	9.310	82	930	0.00	ng/uL#	87
25) 2-Chloroaniline	8.943	127	7886	0.06	ng/uL#	59
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.619	107	52	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.852	93	128	0.00	ng/uL#	65
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.729	105	8489m	2.55	ng/uL	
31) 1,2,4-Trichlorobenzene	10.178	180	1147	0.01	ng/uL	97
32) Naphthalene	10.347	128	6670	0.02	ng/uL#	1
33) 4-Chloroaniline	10.347	127	717	0.01	ng/uL#	27
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	10.668	225	76	0.00	ng/uL#	24
36) Caprolactam	11.274	55	16808	0.35	ng/uL#	37
37) 1,2-Bis(2-chloroethoxy...	11.647	63	373	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.688	107	554	0.01	ng/uL#	1
39) 2-Methylnaphthalene	11.950	142	9508	0.04	ng/uL#	92
40) 1-Methylnaphthalene	12.172	142	4671	0.02	ng/uL#	90
41) 1,3 Dinitrobenzene	14.054	168	59	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:36:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.116	162	364	0.00	ng/uL#	35
49) 1,1'-Biphenyl	13.081	154	3219	0.01	ng/uL#	90
50) 2-Nitroaniline	13.402	138	116	0.00	ng/uL#	8
51) Acenaphthylene	14.049	152	1470	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	13.996	165	1845	0.03	ng/uL#	34
53) Dimethyl Phthalate	13.879	163	10911	0.05	ng/uL	96
54) 3-Nitroaniline	14.363	138	458	0.01	ng/uL#	56
55) Acenaphthene	14.468	153	2802m	0.01	ng/uL	
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.894	168	3082	0.01	ng/uL#	74
58) 4-Nitrophenol	14.818	65	291	0.01	ng/uL#	1
59) 2,4-Dinitrotoluene	14.999	165	209	0.00	ng/uL	89
60) 2,3,5,6-Tetrachlorophenol	15.103	232	141	0.00	ng/uL#	1
61) 2,3,4,6-Tetrachlorophenol	15.232	232	351	0.01	ng/uL#	30
62) Fluorene	15.715	166	3573	0.02	ng/uL#	59
63) Diethyl Phthalate	15.593	149	20688	0.10	ng/uL	92
64) 4-Chlorophenyl Phenyl ...	15.791	204	191	0.00	ng/uL#	1
65) 4-Nitroaniline	15.762	138	1462	0.04	ng/uL#	68
67) 4,6-Dinitro-2-methylph...	16.287	198	1115	1.01	ng/uL#	1
68) N-Nitroso-diphenylamine	16.071	169	2672	0.01	ng/uL#	52
69) 1,2-Diphenylhydrazine	16.083	182	222	0.00	ng/uL	78
71) 4-Bromophenyl Phenyl E...	16.945	248	656	0.01	ng/uL#	34
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.406	200	172	0.00	ng/uL#	1
74) Pentachlorophenol	17.476	266	524	0.01	ng/uL#	1
75) Phenanthrene	17.878	178	62122	0.20	ng/uL	98
76) Anthracene	17.977	178	7107	0.02	ng/uL#	88
77) Carbazole	18.309	167	5764	0.02	ng/uL#	22
79) Di-n-butyl Phthalate	18.985	149	633572	2.01	ng/uL	99
80) Fluoroanthene	19.766	202	105111	0.35	ng/uL	94
82) Pyrene	20.058	202	103515	0.57	ng/uL	94
83) Butyl Benzyl Phthalate	20.897	149	784309	10.89	ng/uL	89
84) Bis(2-ethylhexyl) adipate	20.990	129	6790	0.16	ng/uL#	100
85) Benzo(a)anthracene	21.474	228	26610	0.19	ng/uL#	83
86) Chrysene	21.509	228	29833	0.22	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.527	149	2291033	24.85	ng/uL	91
88) Di-n-octyl Phthalate	22.506	149	441080	2.95	ng/uL	97
90) Benzo(b)fluoroanthene	22.663	252	15815m	0.37	ng/uL	
91) Benzo(k)fluoranthene	22.692	252	6529m	0.13	ng/uL	
92) Benzo(a)pyrene	23.071	252	8583	0.21	ng/uL#	77
93) Indeno(1,2,3-cd)pyrene	24.750	276	7124m	0.20	ng/uL	
94) Dibdenz(a,h)anthracene	24.773	278	3952	0.14	ng/uL	97
95) Benzo(g,h,i)Perylene	25.228	276	7582	0.25	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 07:50:20 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

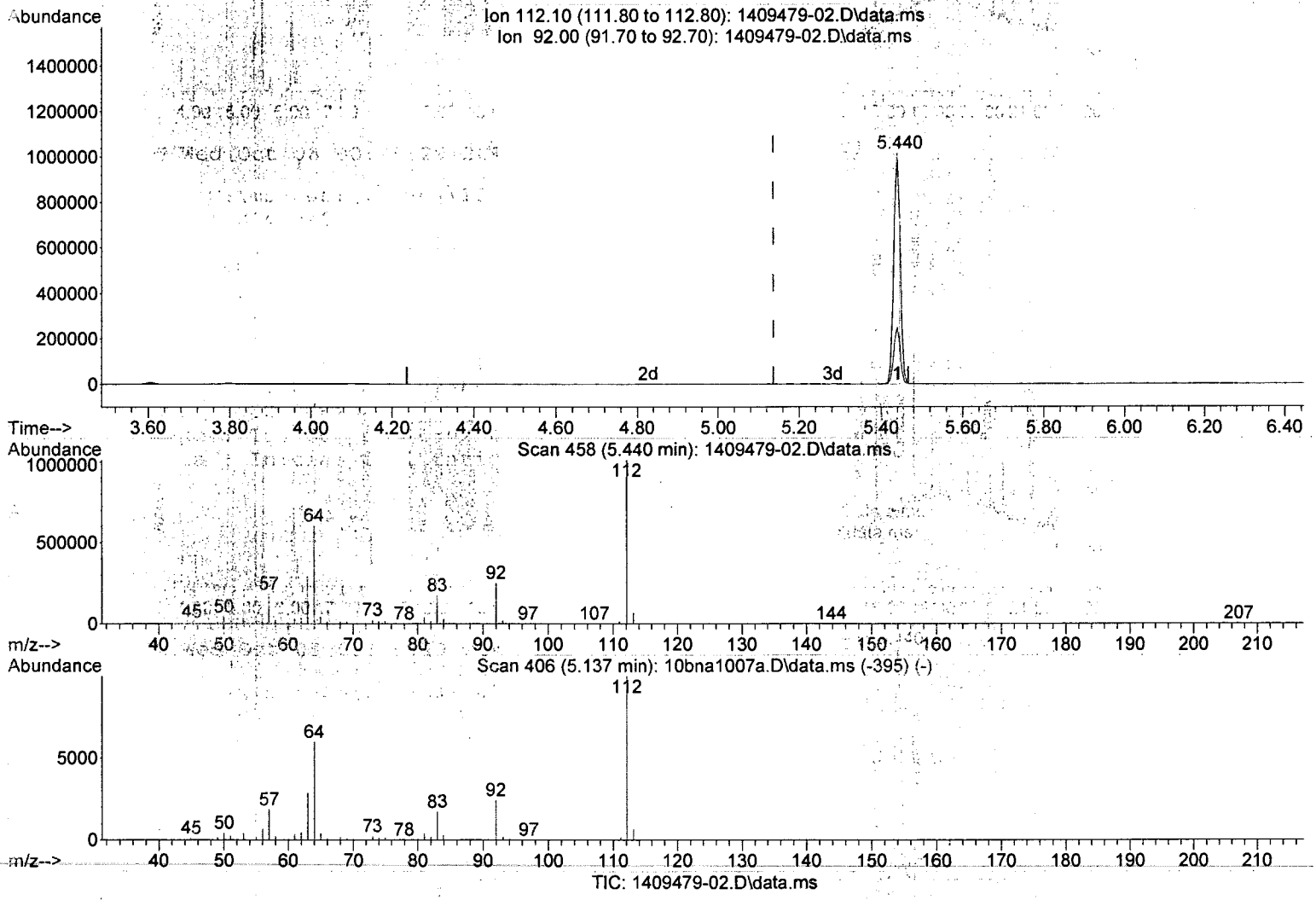
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.596	152	438643	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.295	136	1687109	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.398	164	1025404	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.837	188	1636817	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	768658	5.00	ng/uL	#	0.00
22) Perylene-d12	23.141	264	238482	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.236	74	334	0.00	ng/uL#		1
3) Pyridine	3.120	79	527	0.00	ng/uL#		73
4) Aniline	6.792	93	4079	0.02	ng/uL		93
5) Benzaldehyde	6.704	105	833	0.01	ng/uL#		65
6) Acetophenone	8.436	105	2810	0.02	ng/uL		97
7) N-Nitroso-di-n-propyla...	8.511	70	633	0.01	ng/uL		80
9) 4-Chloroaniline	10.423	127	128	0.01	ng/uL		93
10) Caprolactam	11.274	55	4525	0.18	ng/uL#		71
12) 1,1'-Biphenyl	13.081	154	3219	0.01	ng/uL#		90
13) 2-Nitroaniline	13.402	138	116	0.01	ng/uL#		8
14) 3-Nitroaniline	14.363	138	458	Below Cal		#	56
15) 4-Nitroaniline	15.762	138	452	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.071	169	2672	0.01	ng/uL#		52
18) Atrazine	17.499	200	126	Below Cal			94
20) Benzidine	0.000		0	N.D.			
21) 3,3'-Dichlorobenzidine	21.259	252	449	0.01	ng/uL		84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(4) 2-Fluorophenol (S)

5.440min (+ 0.303) 10.02 ng/uL

response 1024959

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	24.96
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/9/14

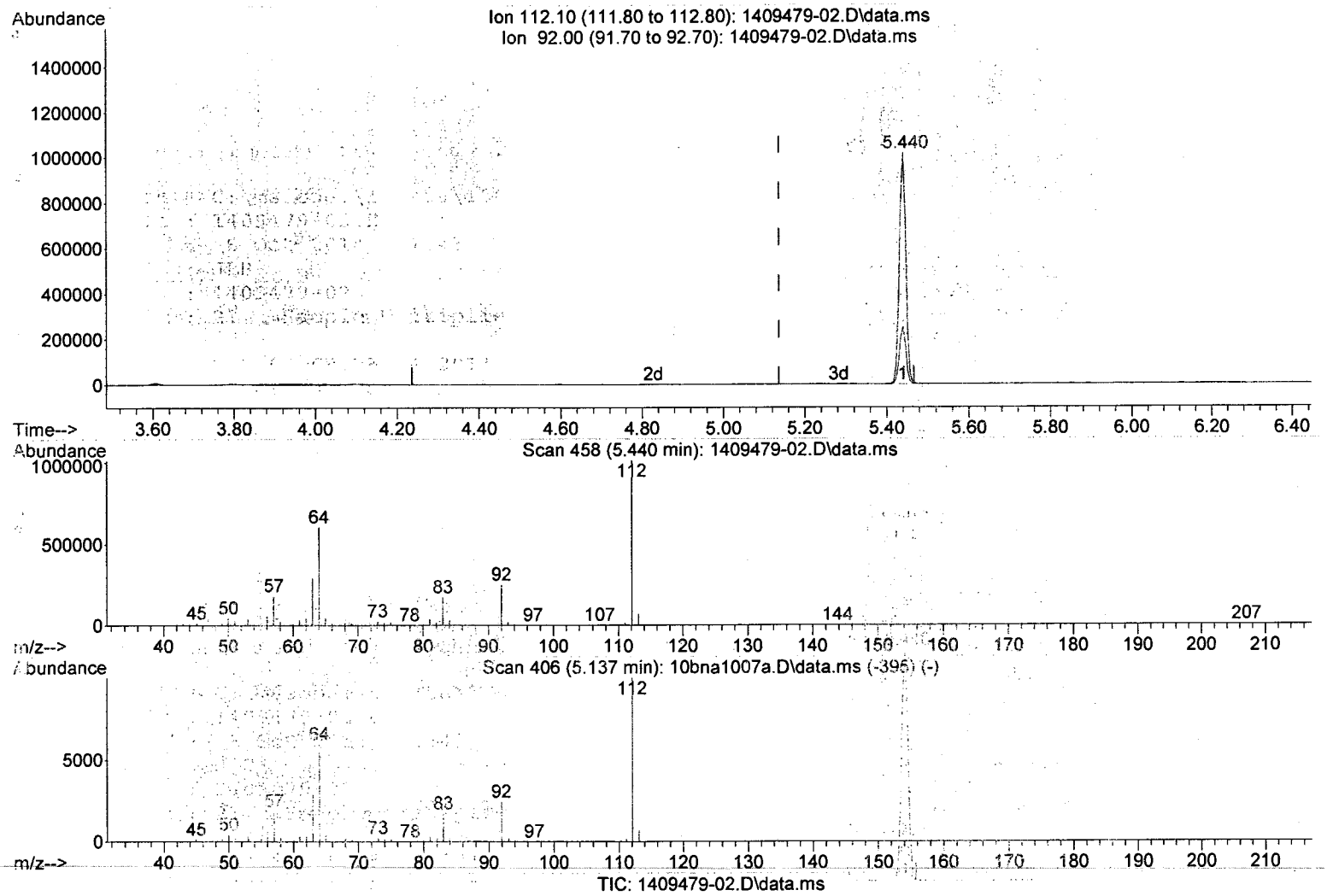
DWG 10-17-14

002527

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-02.D\data.ms

(4) 2-Fluorophenol (S)

5.440min (+ 0.303) 11.13 ng/uL m

response 1138198

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	22.48
0.00	0.00	0.00
0.00	0.00	0.00

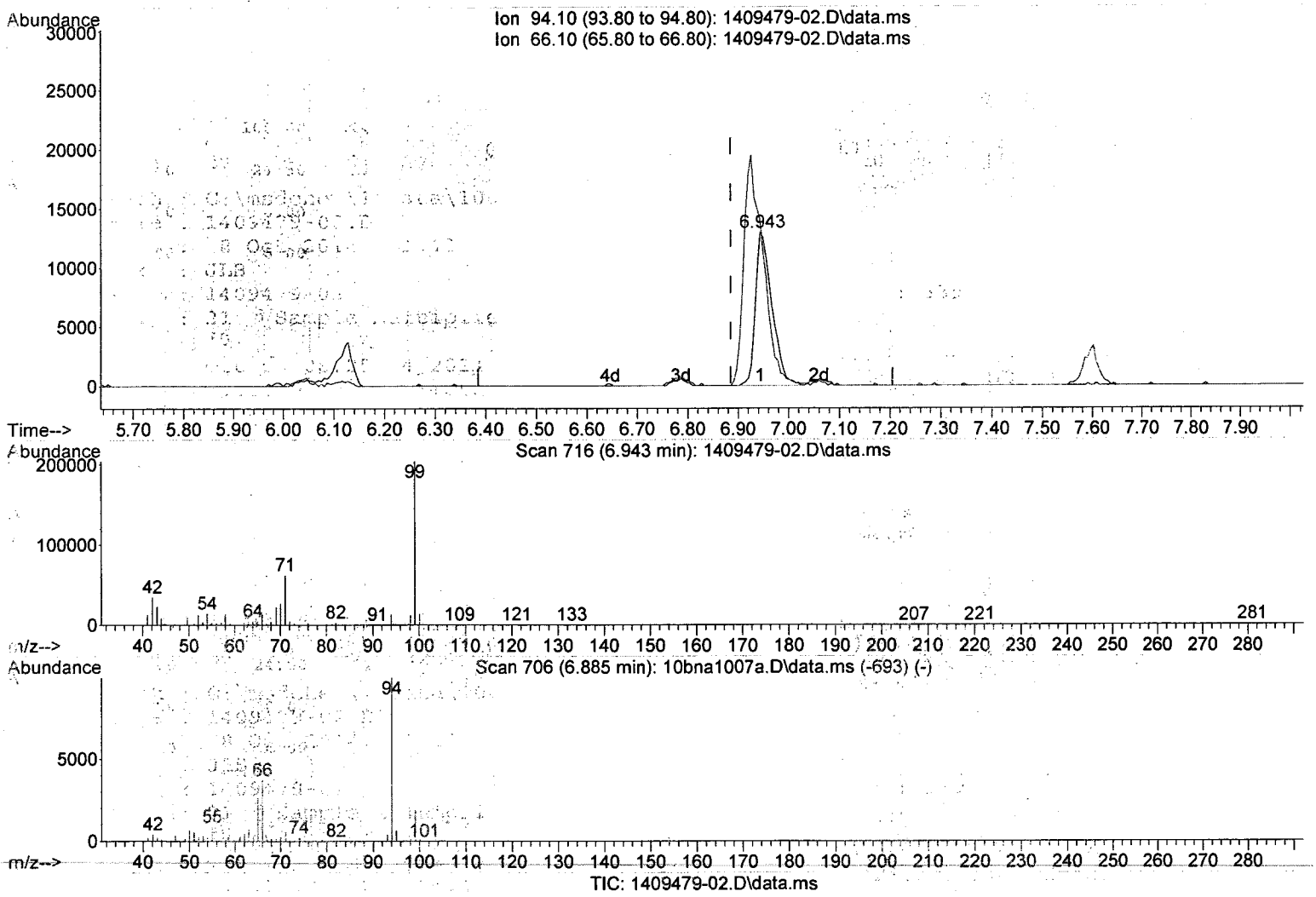
Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/9/14
Reviewed By: DWT Date: 10-17-14

002528

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(7) Phenol (C)

6.943min (+ 0.058) 0.20 ng/uL

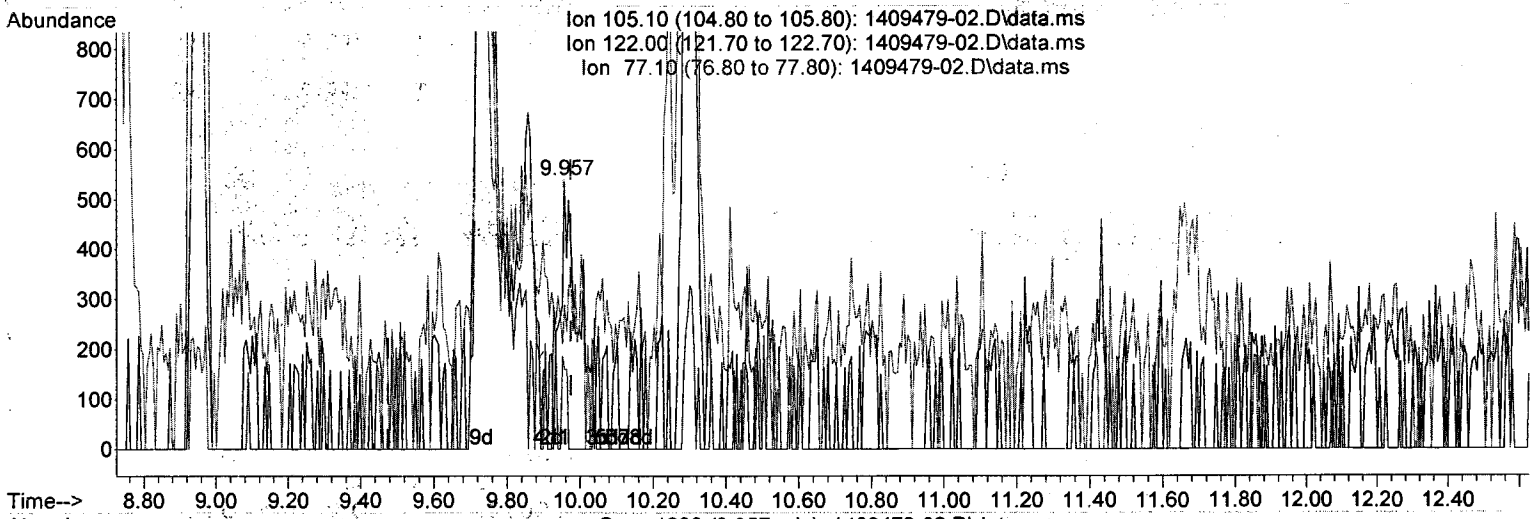
response 29410

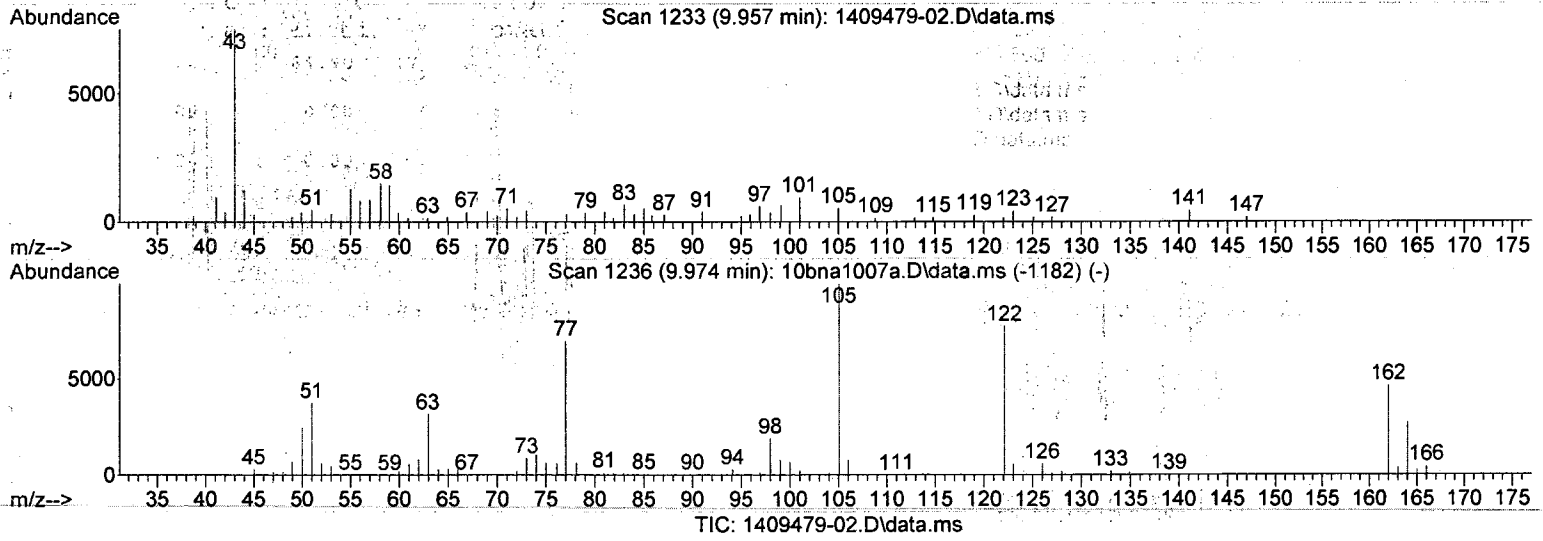
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	177.91#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration





TIC: 1409479-02.D\data.ms

(30) Benzoic Acid

9.957min (-0.018) 2.47 ng/uL

response 1794

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	9.87#
77.10	74.70	0.00#
0.00	0.00	0.00

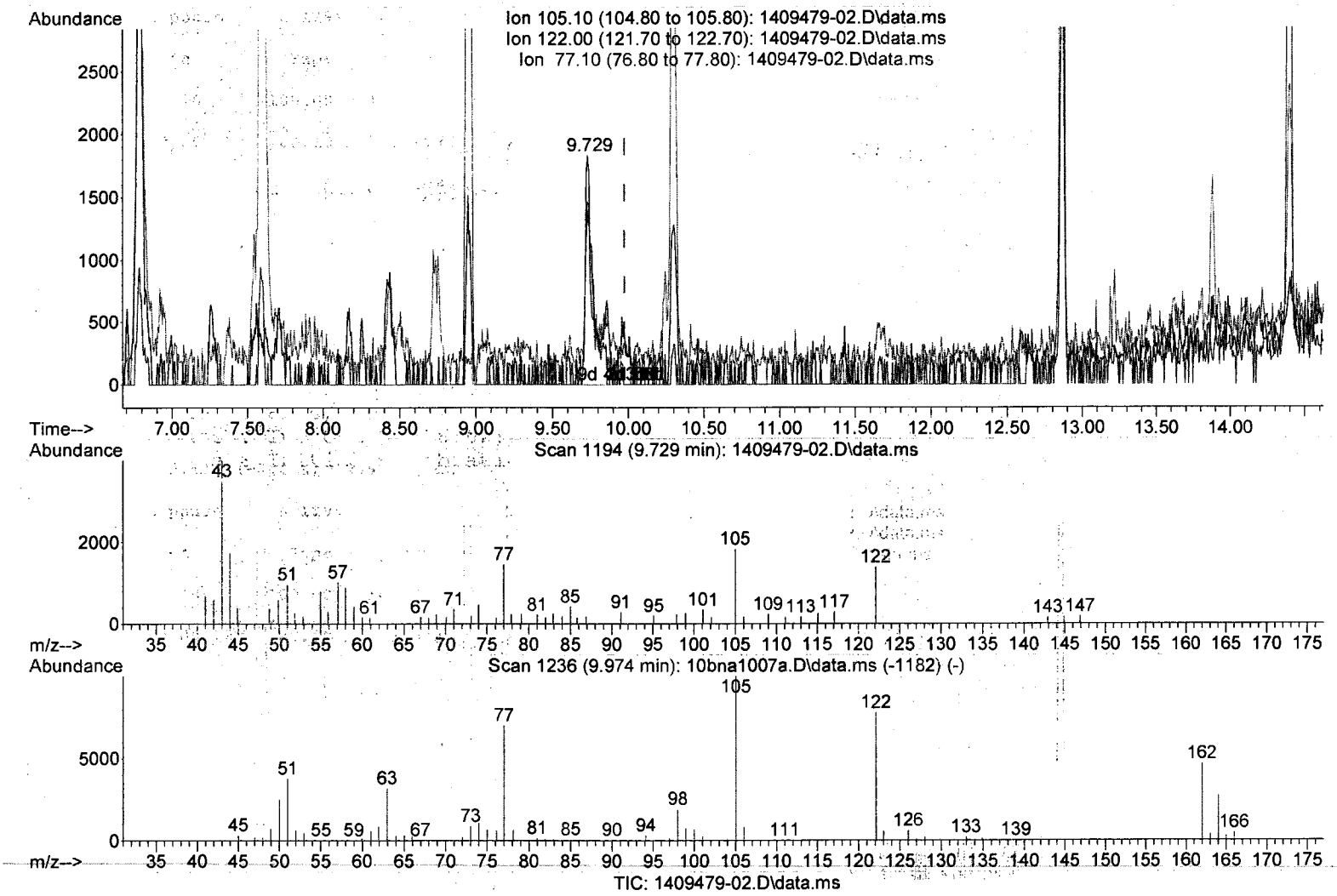
JWB 10/9/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-02.D\data.ms

(30) Benzoic Acid

9.729min (-0.245) 2.55 ng/uL m

response 8489

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	2.09#
77.10	74.70	0.00#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

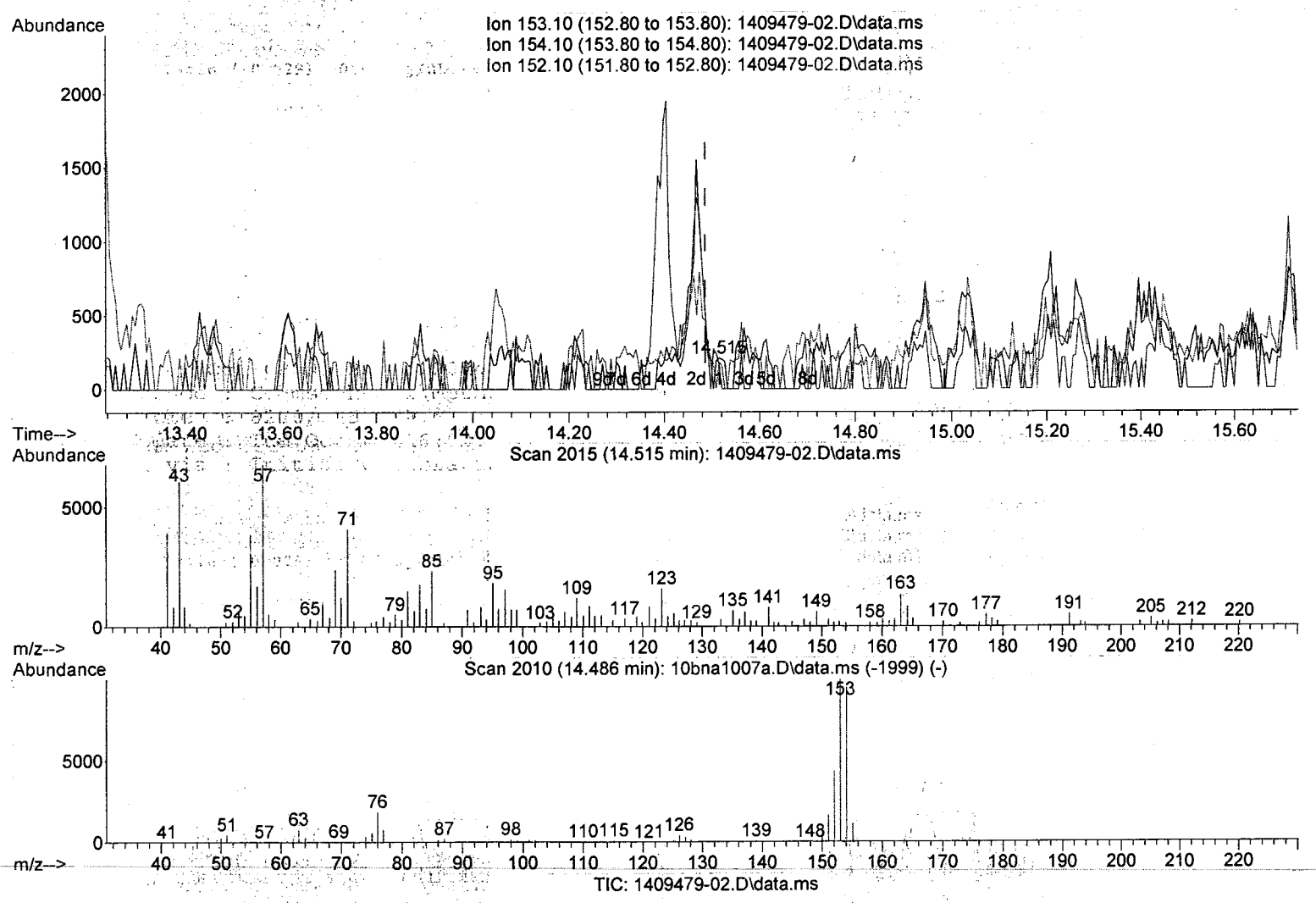
Analyst: JLB Date: 10/9/14

Reviewed By: DWG Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(55) Acenaphthene (C)

14.515min (+ 0.029) 0.00 ng/uL

response 274

Ion	Exp%	Act%
153.10	100.00	100.00
154.10	93.30	85.40
152.10	46.00	42.34
0.00	0.00	0.00

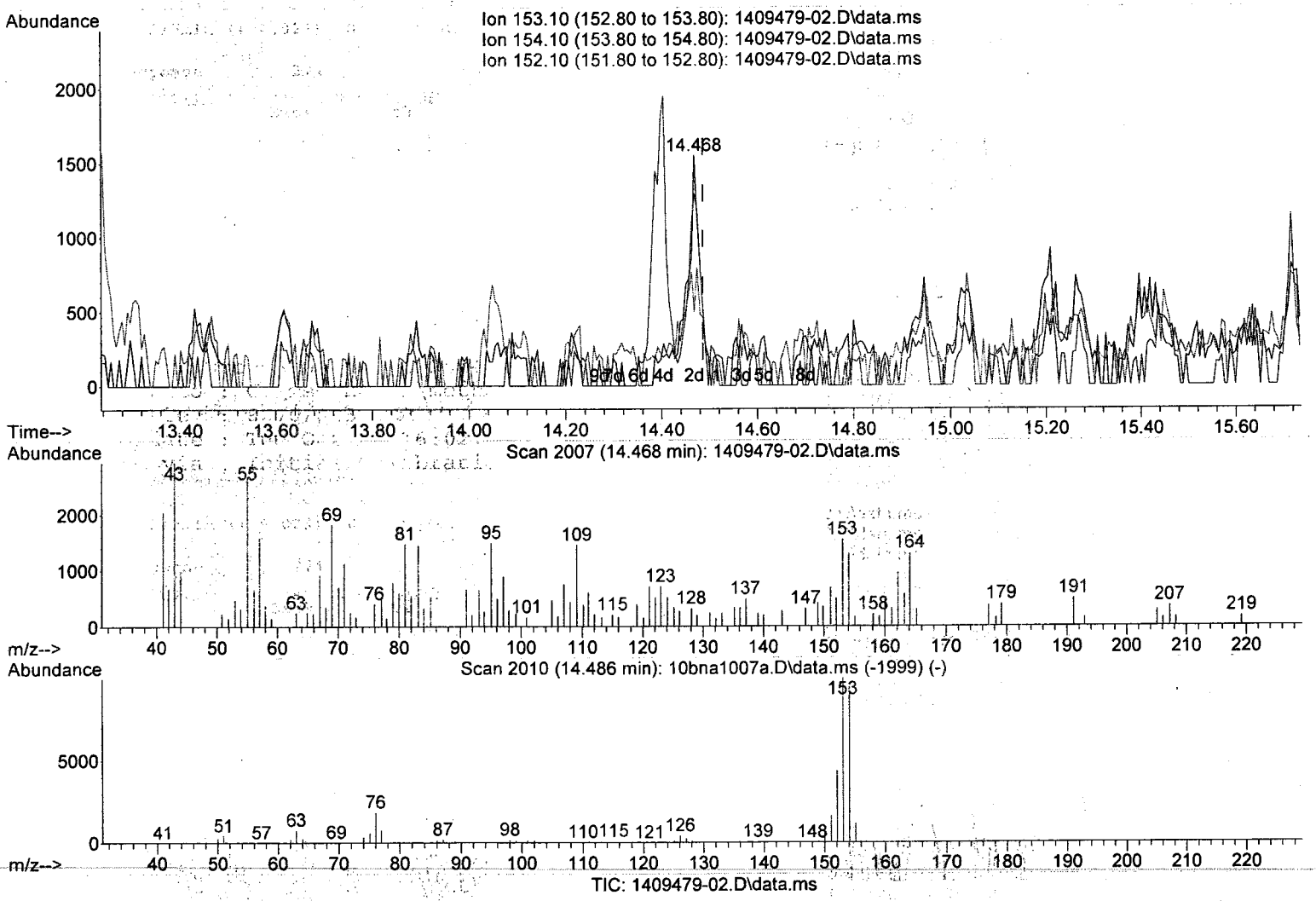
JWS 10/9/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(55) Acenaphthene (C)

14.468min (-0.018) 0.01 ng/uL m

response 2802

Ion	Exp%	Act%
153.10	100.00	100.00
154.10	93.30	8.35#
152.10	46.00	4.14#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

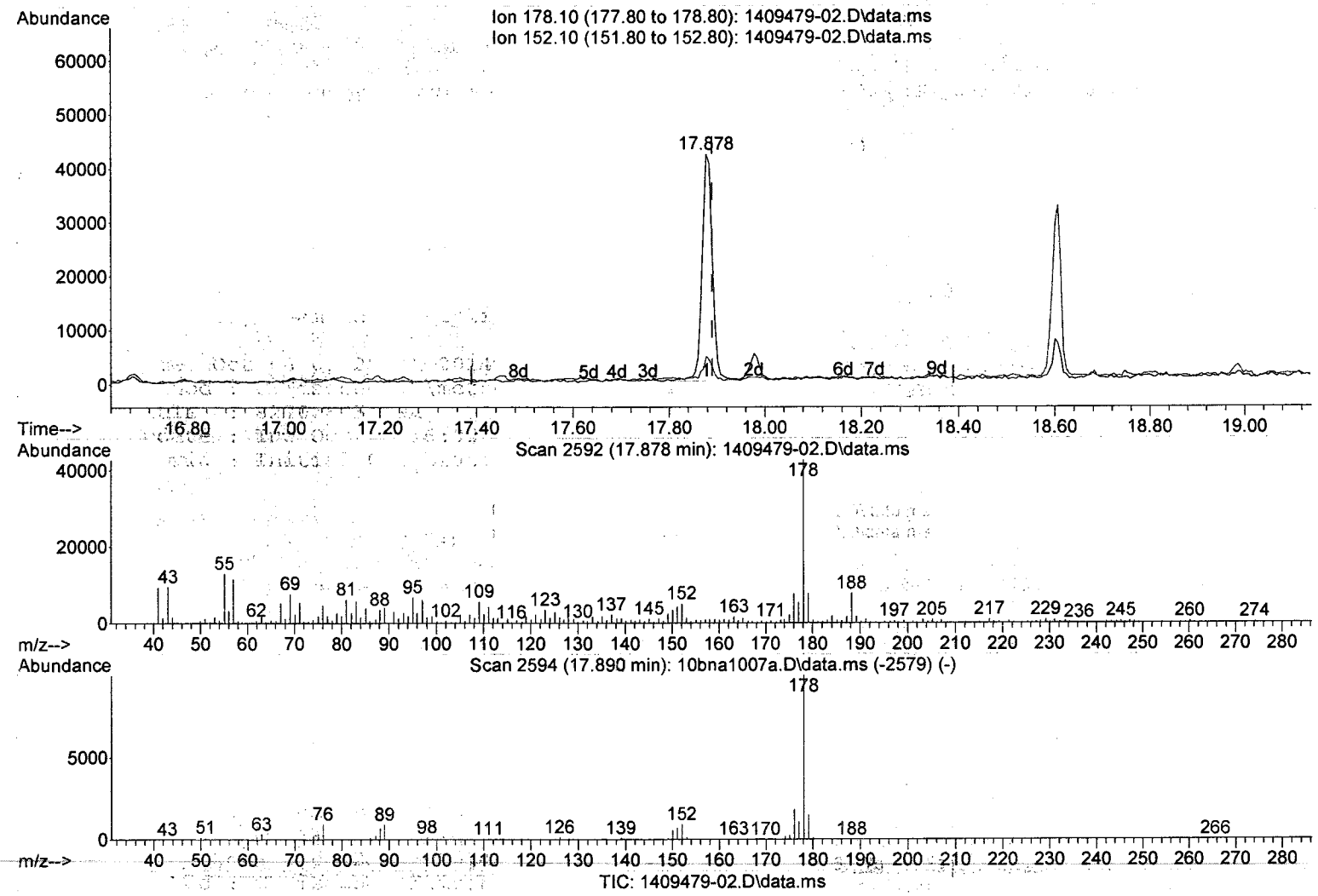
Flagged on Quantitation Report: (Yes / No)
Analyst: JLB Date: 10/9/14
Reviewed By: DWS Date: 10-17-14

< MDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(75) Phenanthrene

17.878min (-0.012) 0.20 ng/uL

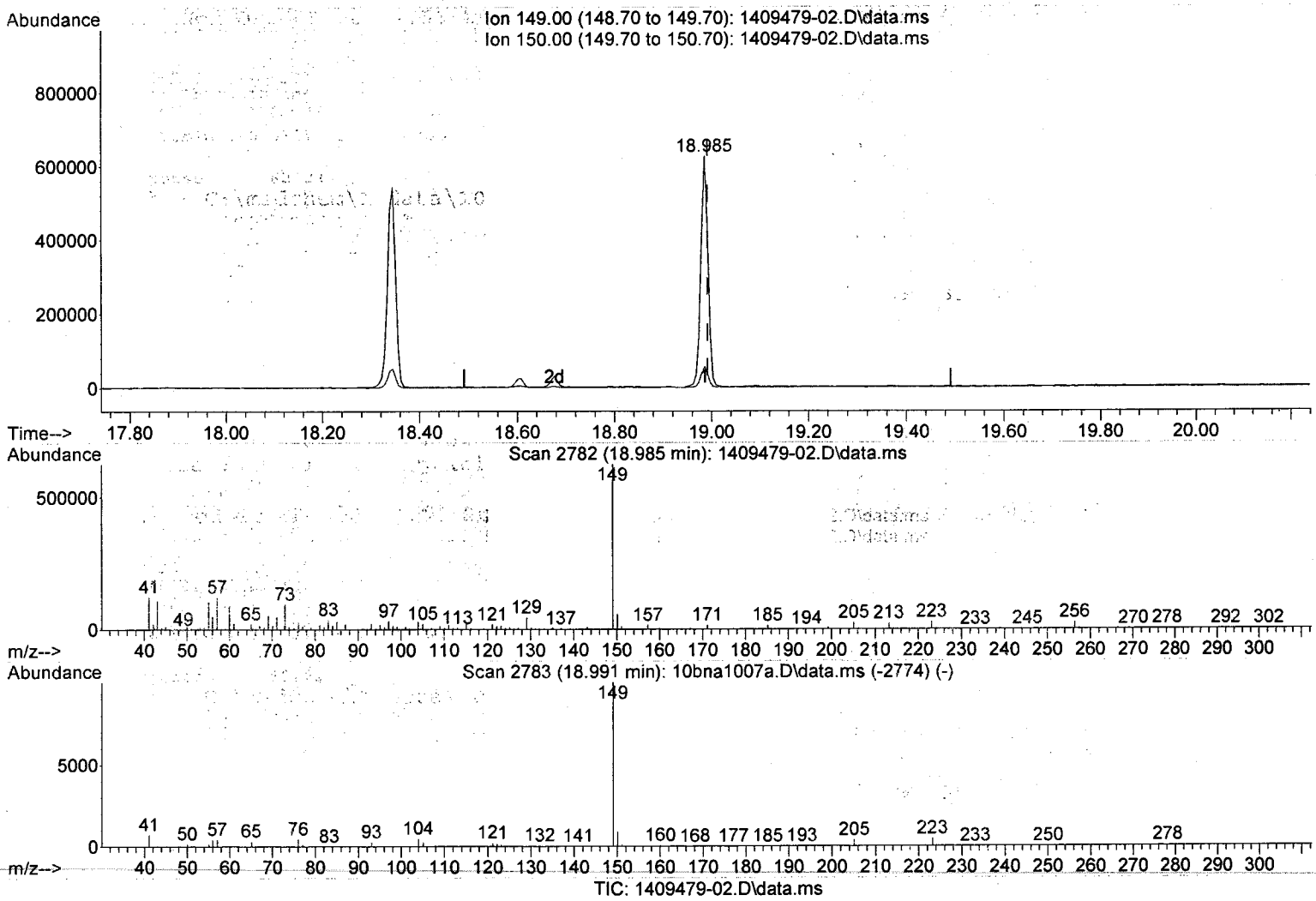
response 62122

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	10.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-02.D\data.ms

(79) Di-n-butyl Phthalate

18.985min (-0.006) 2.01 ng/uL

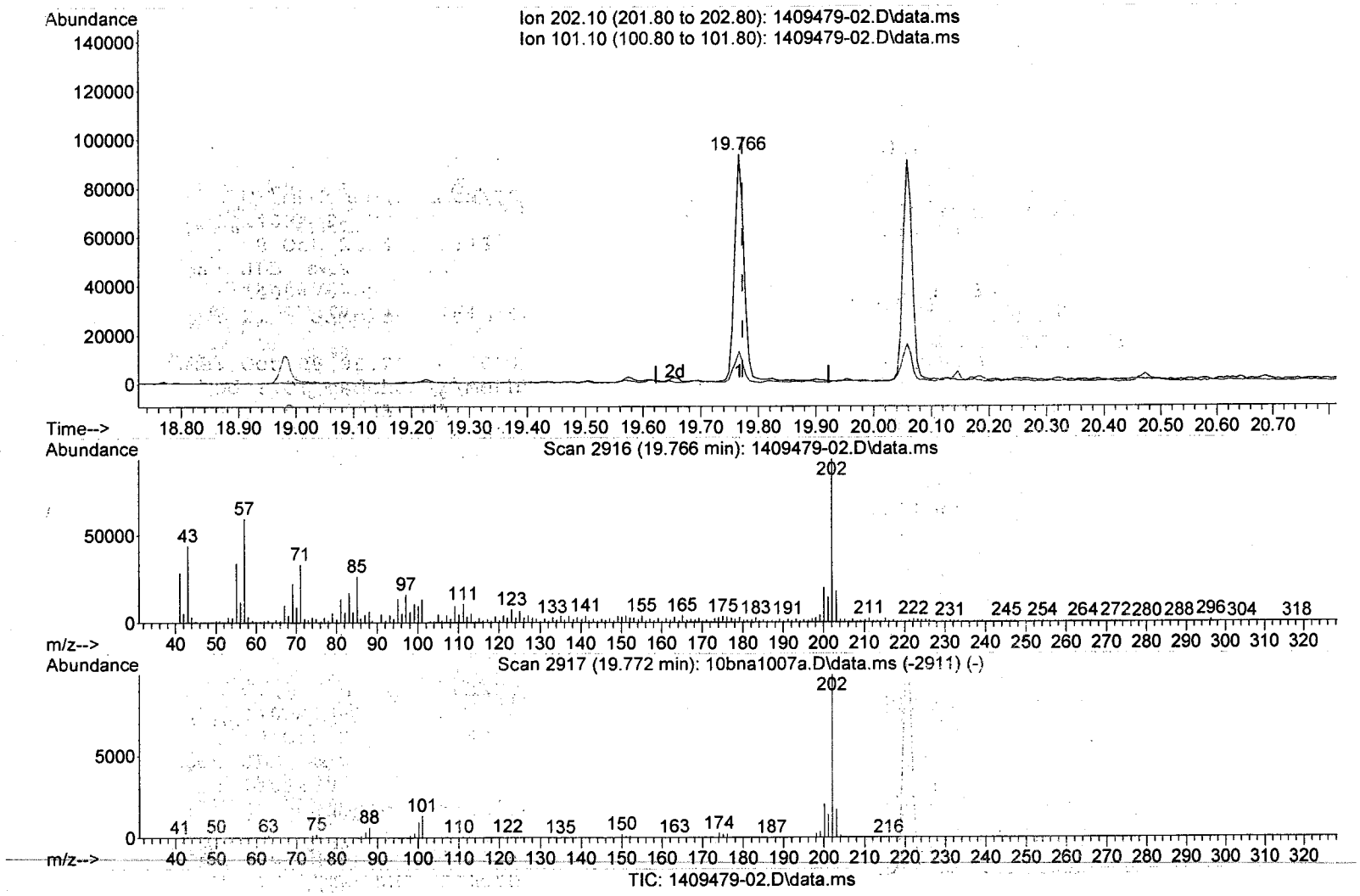
response 633572

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(80) Fluoroanthene (C)

19.766min (-0.006) 0.35 ng/uL

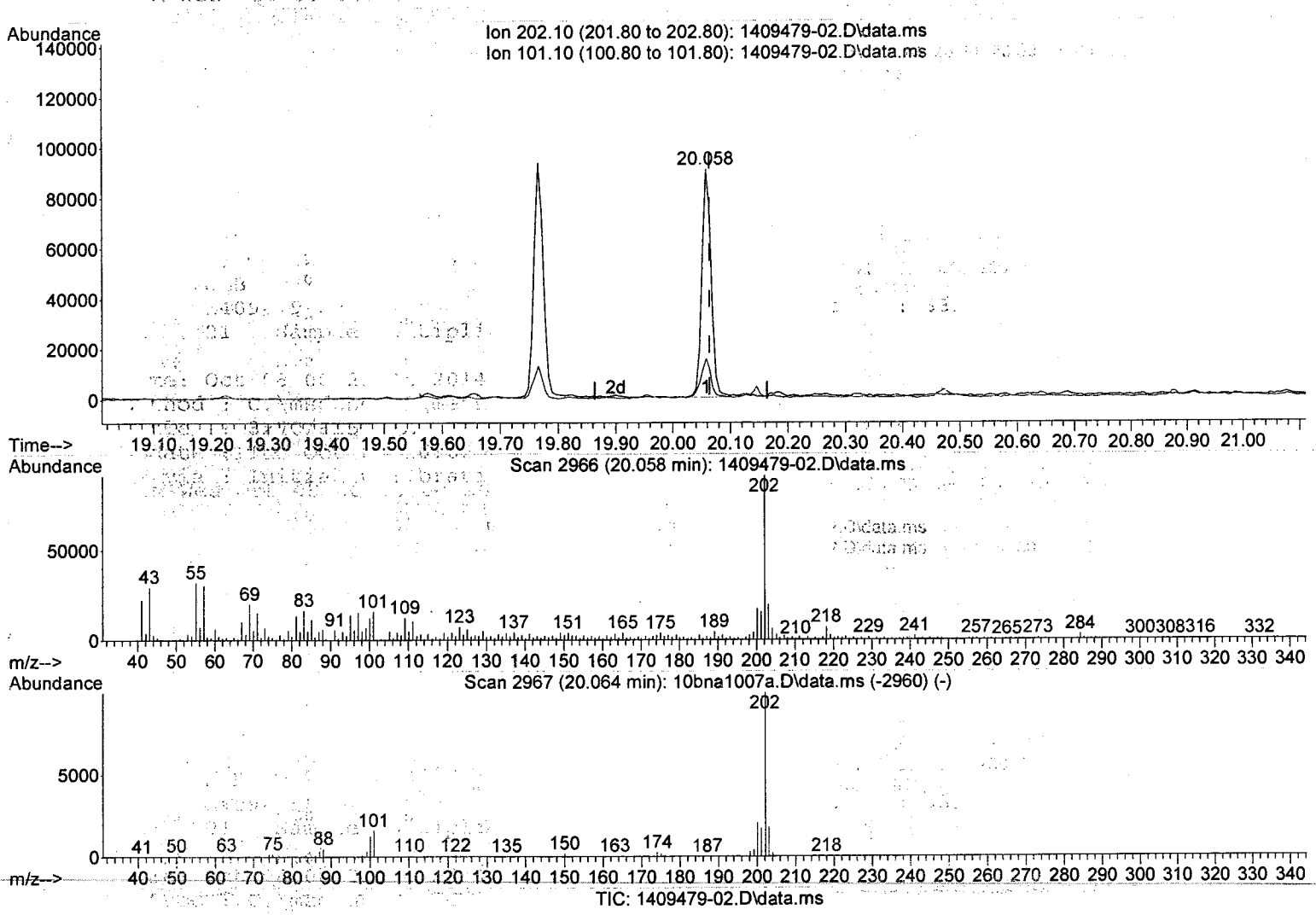
response 105111

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	13.68
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(82) Pyrene

20.058min (-0.006) 0.57 ng/uL

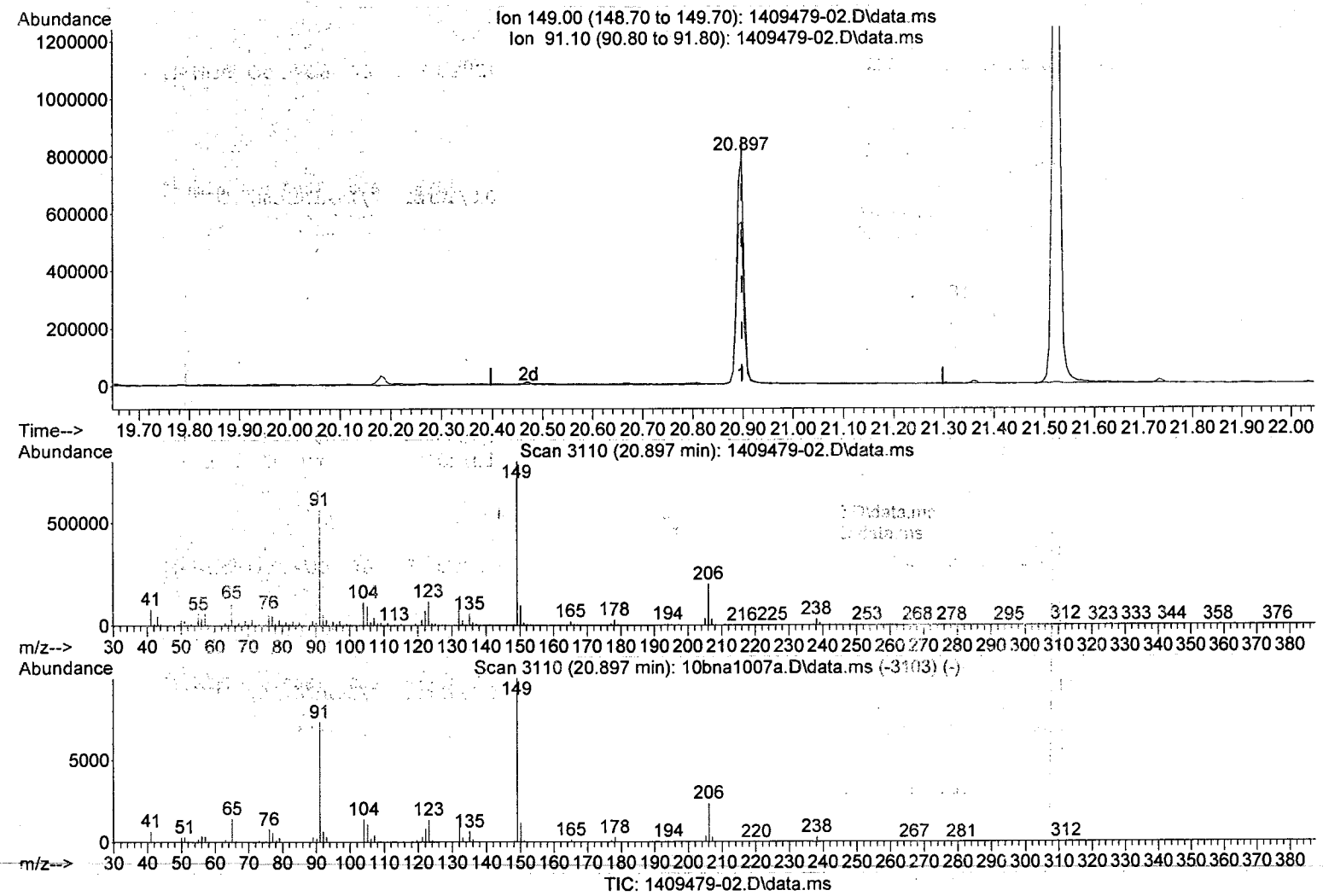
response 103515

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	18.41
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.897min (-0.000) 10.89 ng/uL

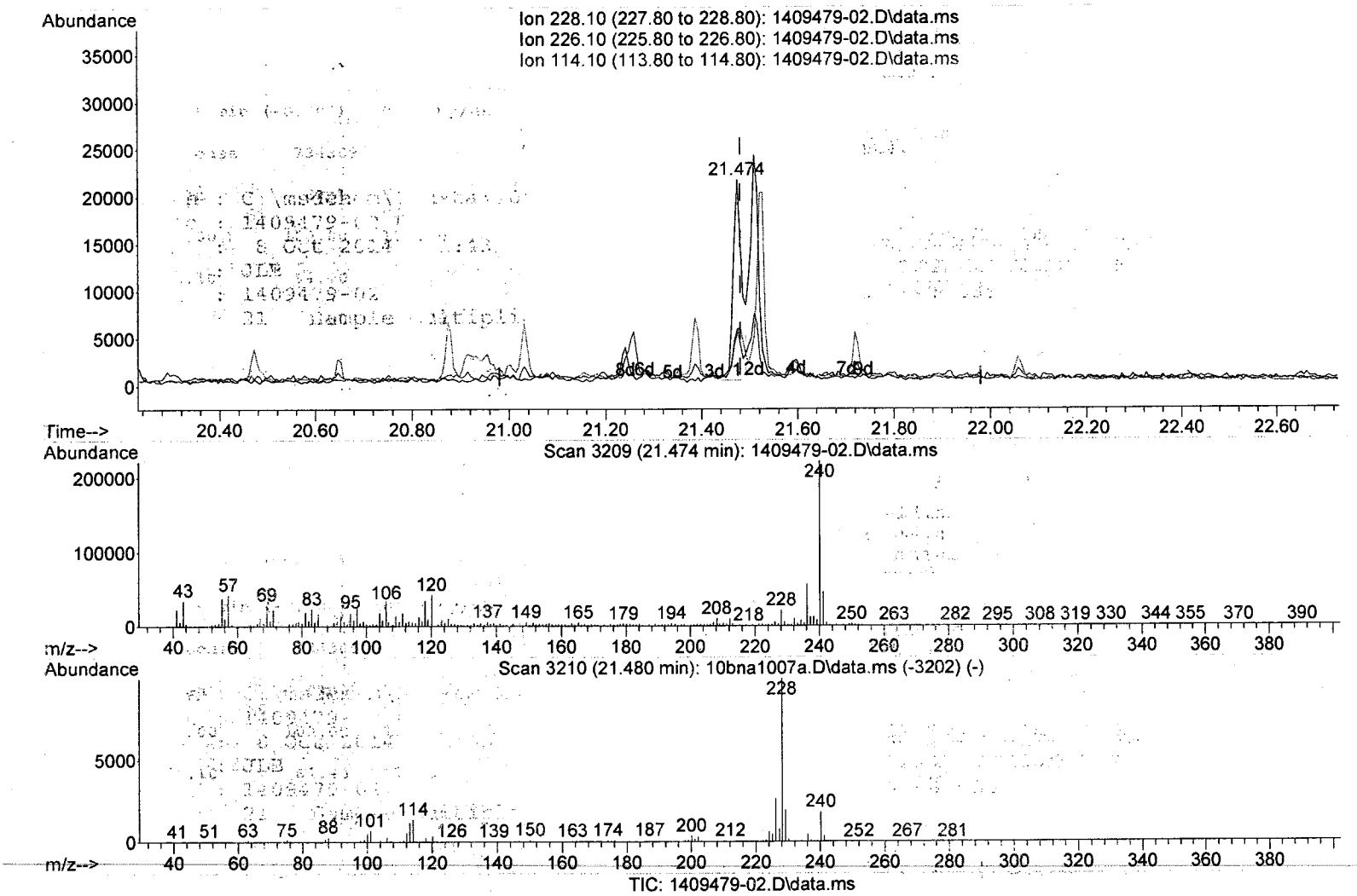
response 784309

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	74.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-02.D\data.ms

(85) Benzo(a)anthracene

21.474min (-0.006) 0.19 ng/uL

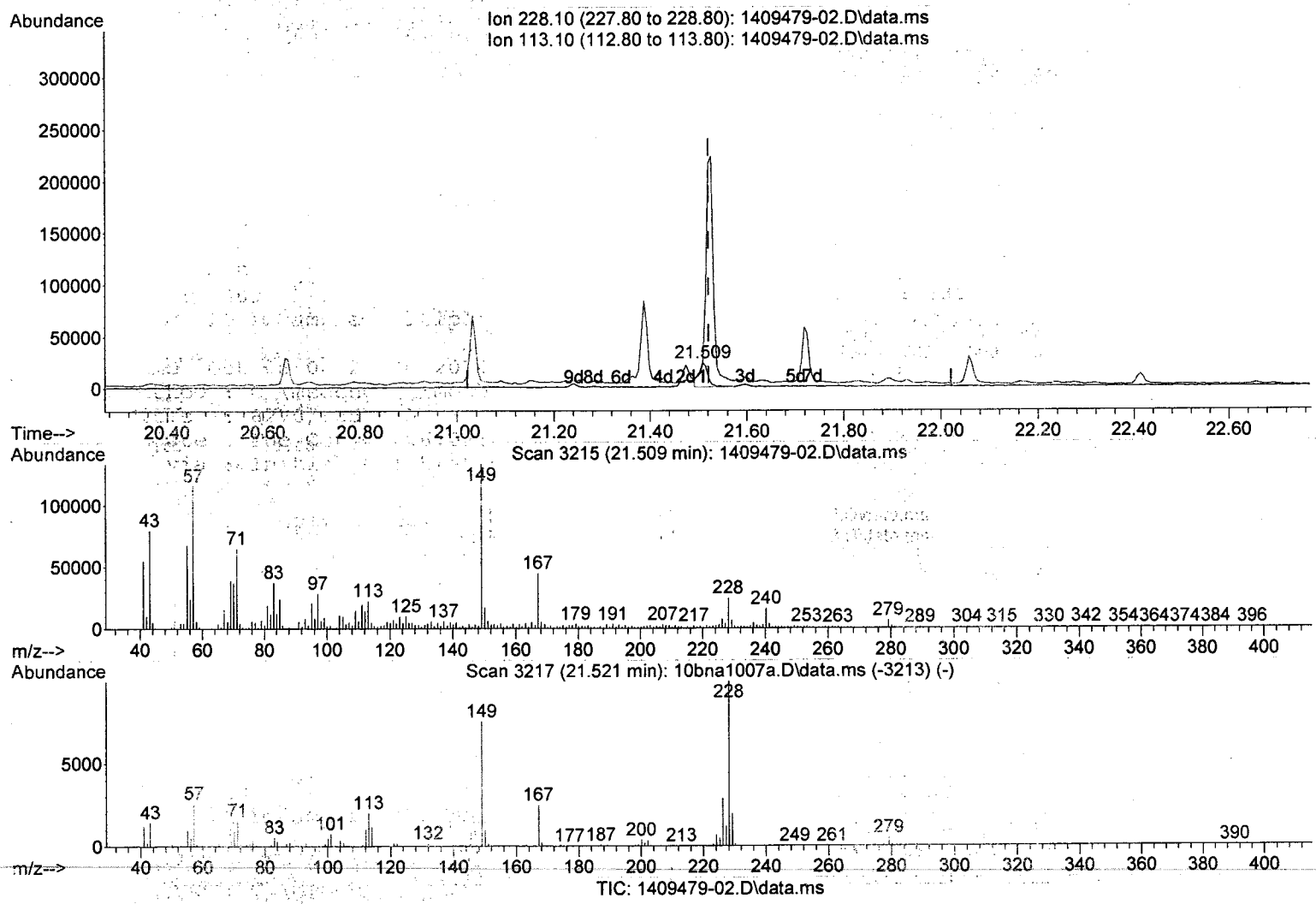
response 26610

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	24.21
114.10	13.30	30.52#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(86) Chrysene

21.509min (-0.012) 0.22 ng/uL

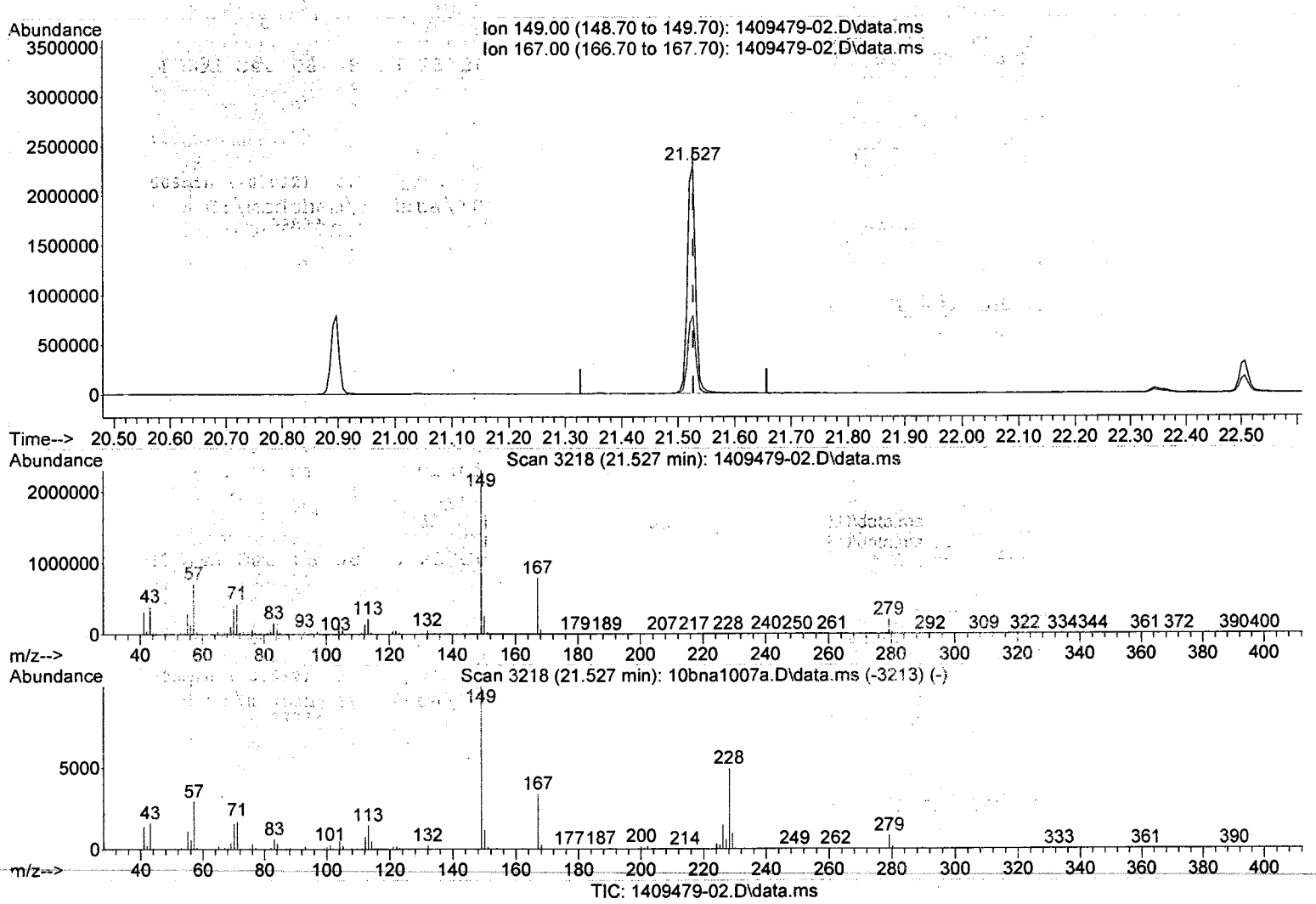
response 29833

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	796.75#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.527min (-0.000) 24.85 ng/uL

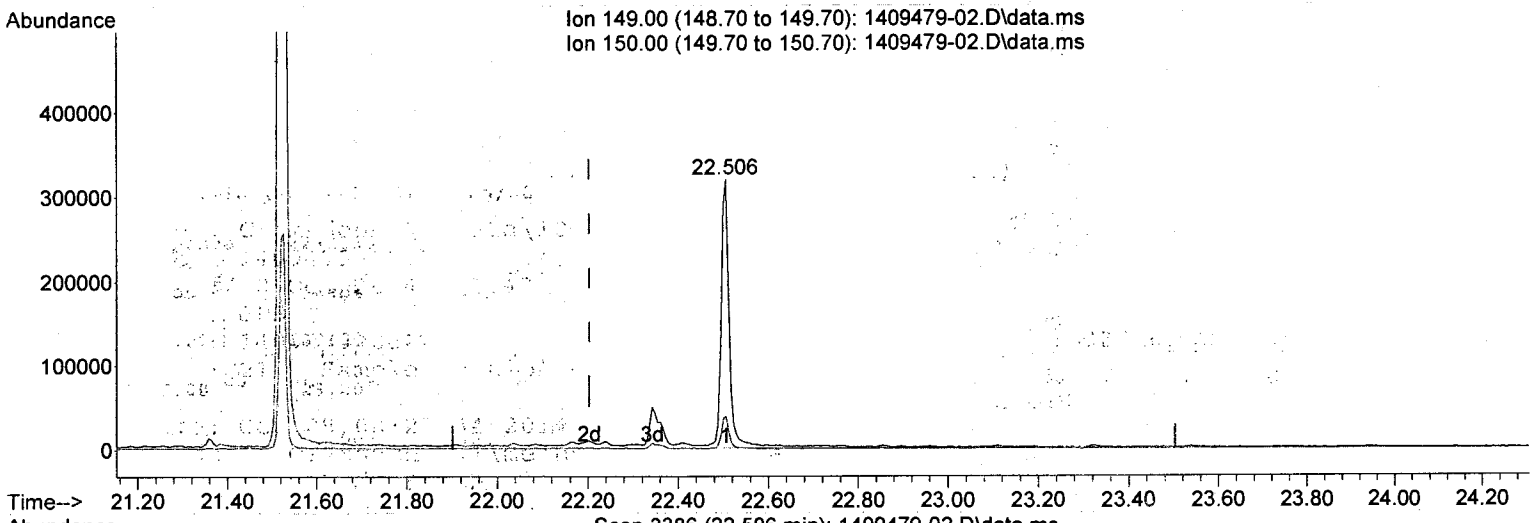
response 2291033

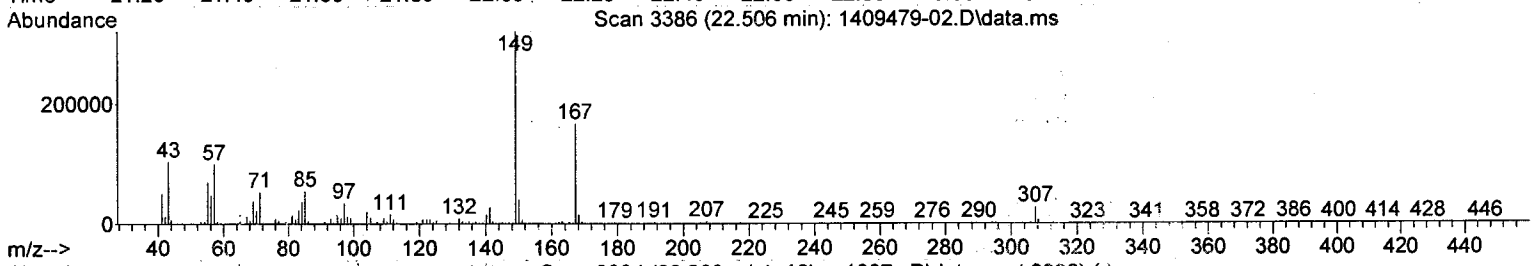
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	39.20	34.07
0.00	0.00	0.00
0.00	0.00	0.00

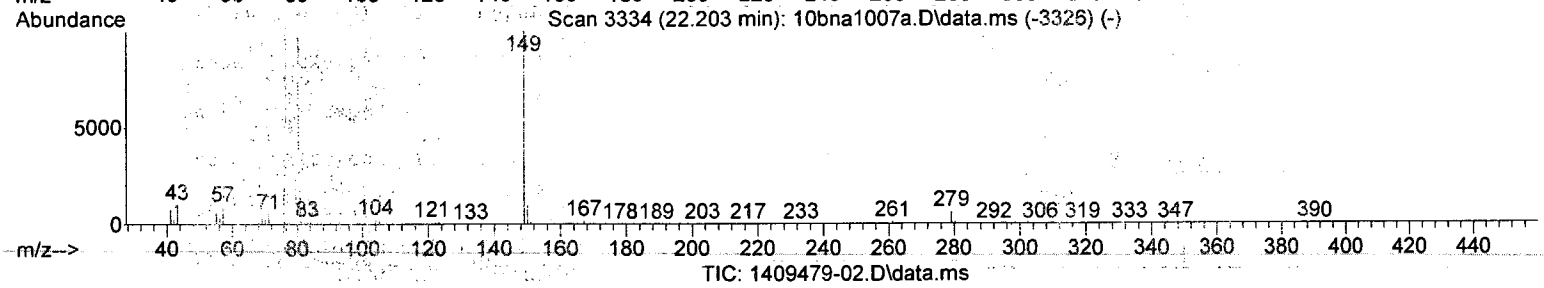
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-02.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.506min (+ 0.303) 2.95 ng/uL

response 441080

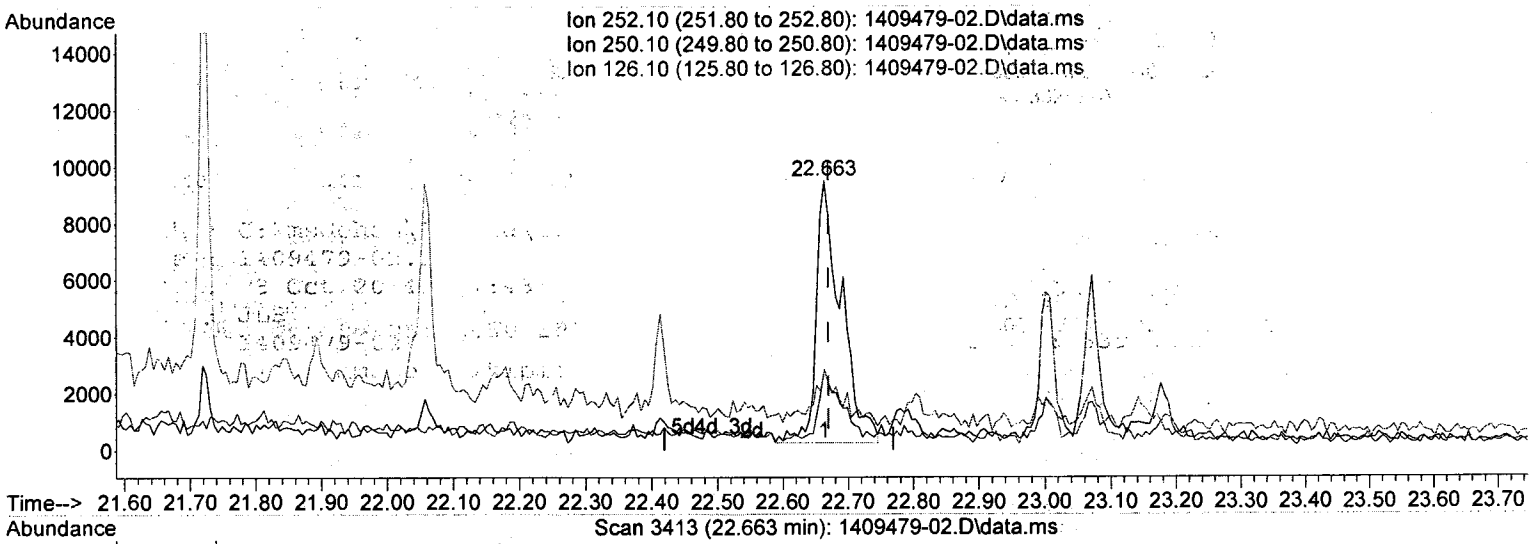
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	10.87
0.00	0.00	0.00
0.00	0.00	0.00

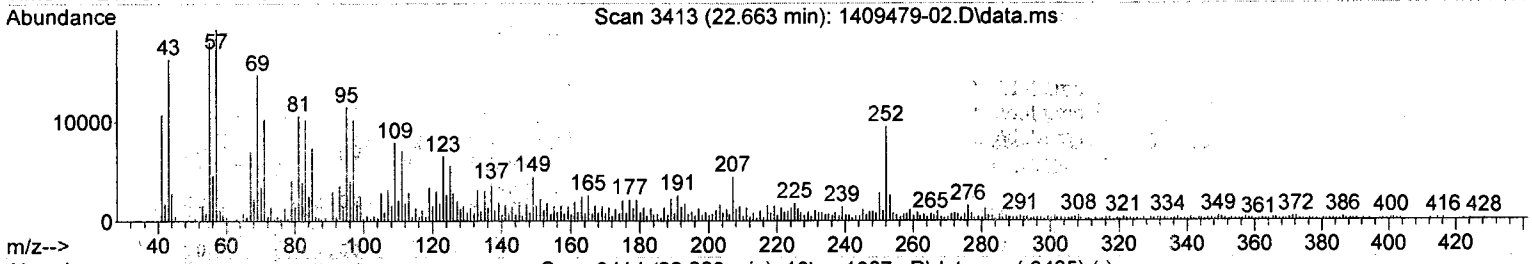
AT

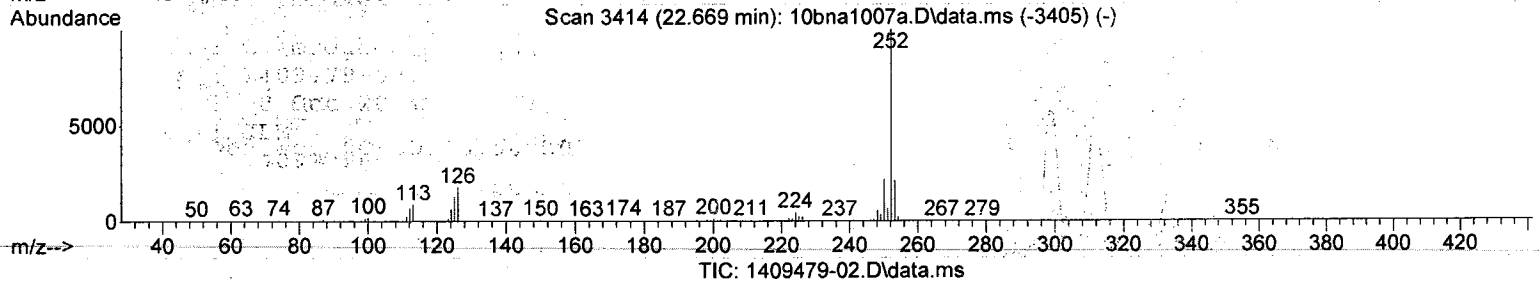
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-02.D\data.ms

(90) Benzo(b)fluoroanthene

22.663min (-0.006) 0.57 ng/uL

response 24292

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	22.41
126.10	17.20	22.76#
0.00	0.00	0.00

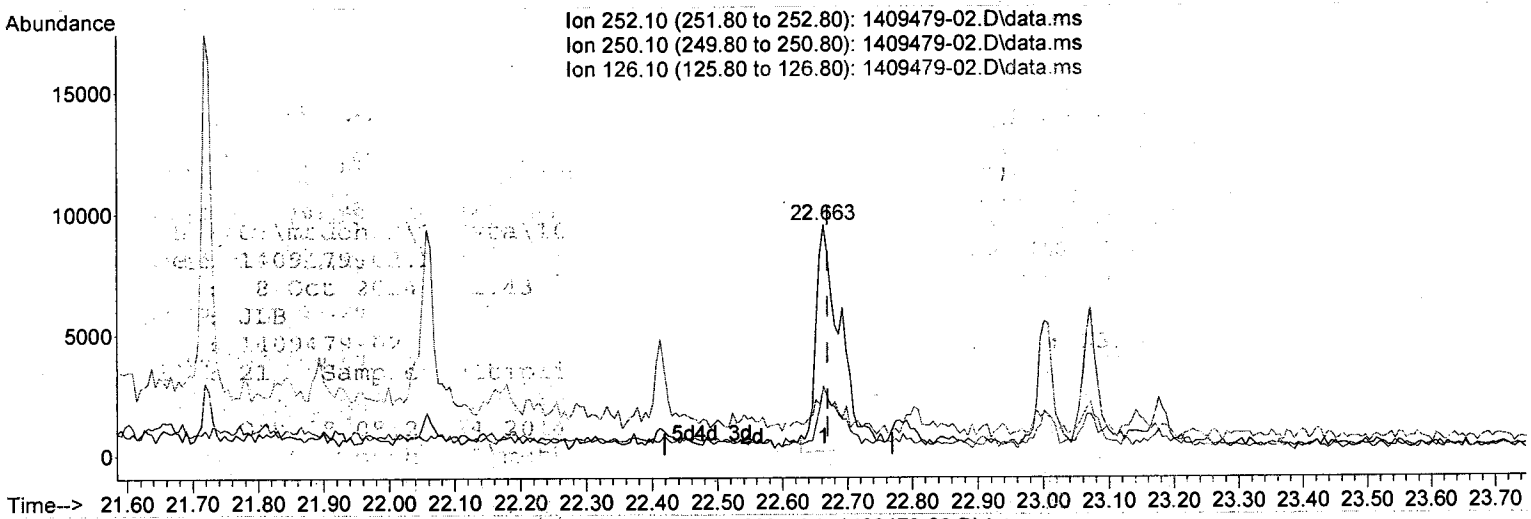
JWS 10/9/14

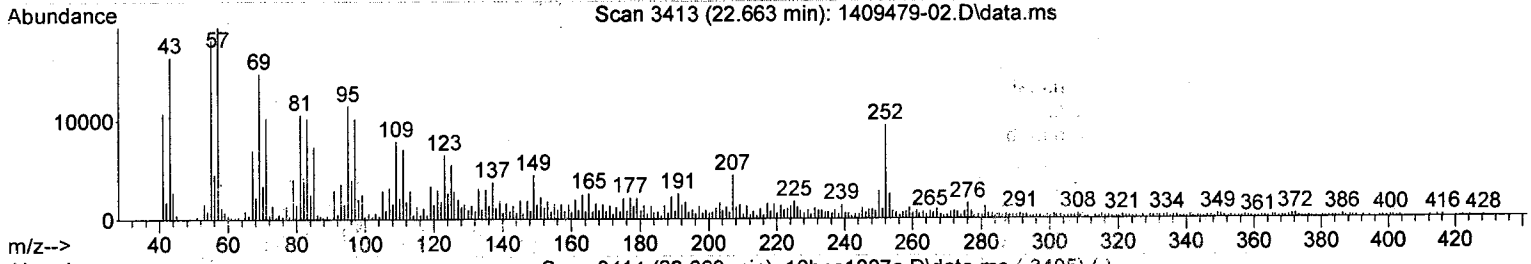
DWS 10-17-14

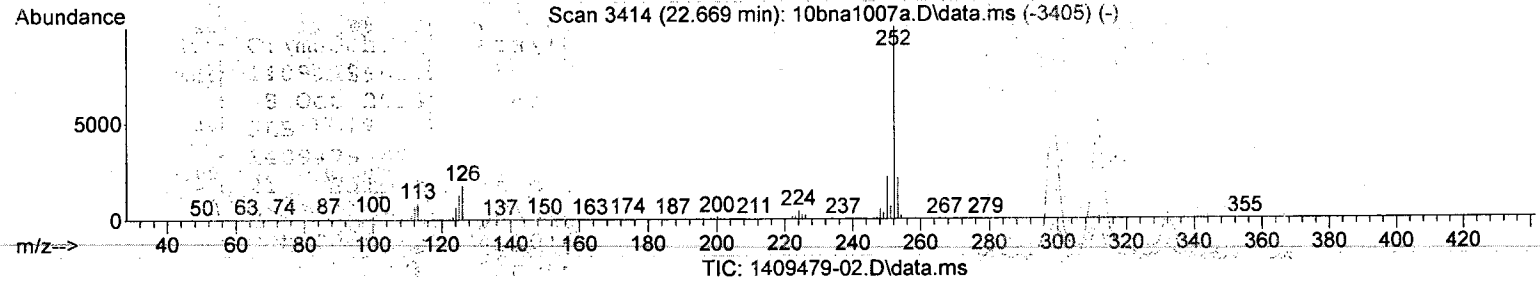
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-02.D\data.ms

(90) Benzo(b)fluoroanthene

22.663min (-0.006) 0.37 ng/uL m

response 15815

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	34.42#
126.10	17.20	34.95#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

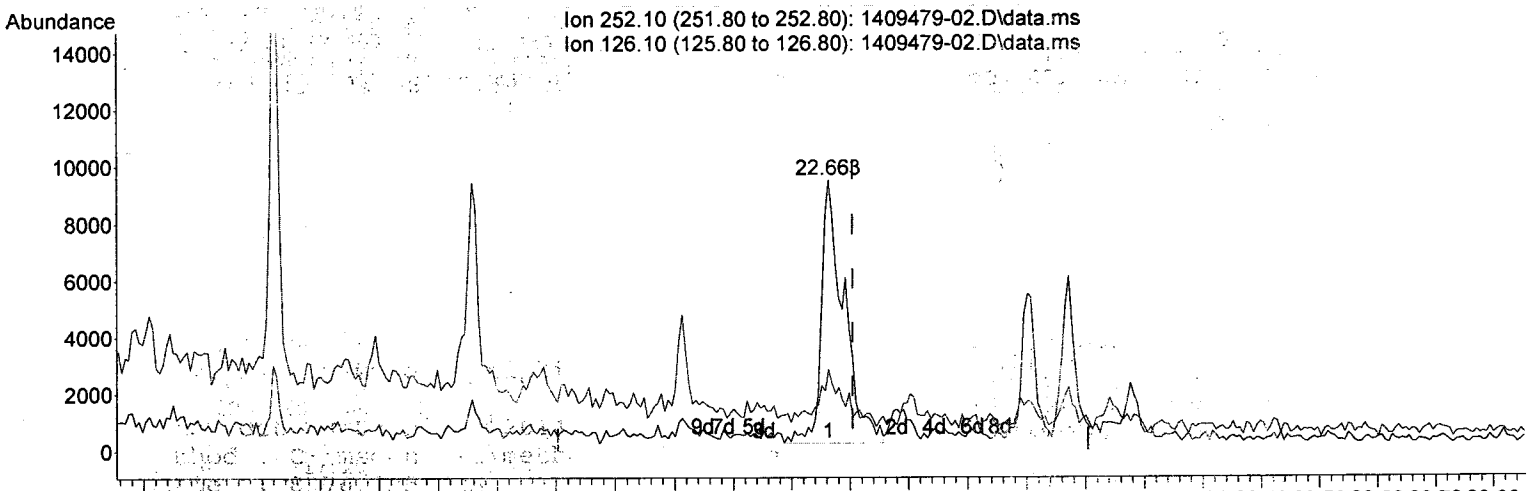
Analyst: JLB Date: 10/9/14

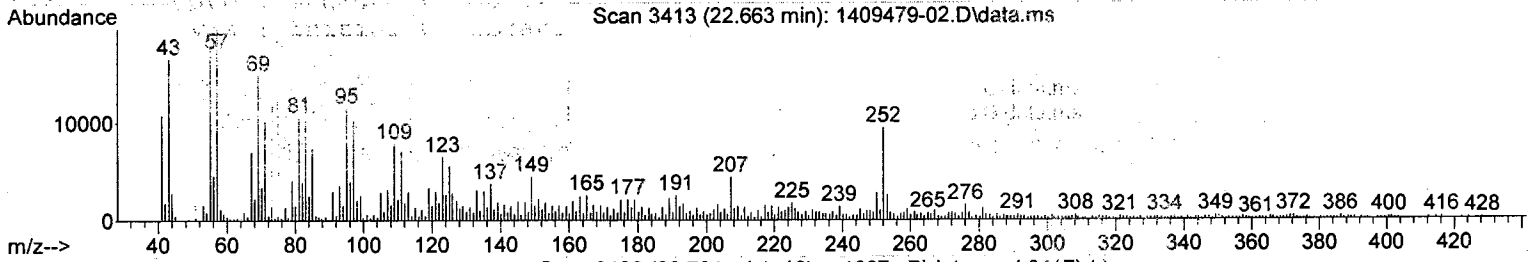
Reviewed By: DWS Date: 10-17-14

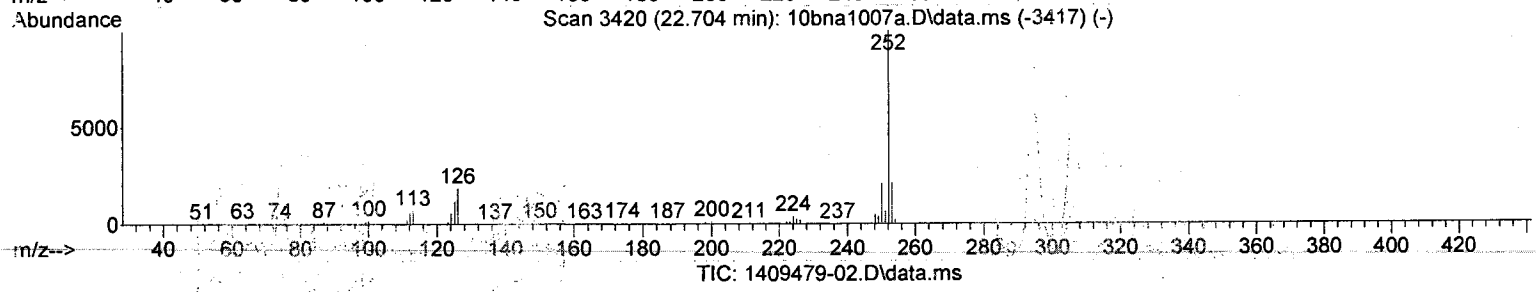
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-02.D\data.ms

(91) Benzo(k)fluoranthene

22.663min (-0.041) 0.51 ng/uL

response 124578

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	22.49
0.00	0.00	0.00
0.00	0.00	0.00

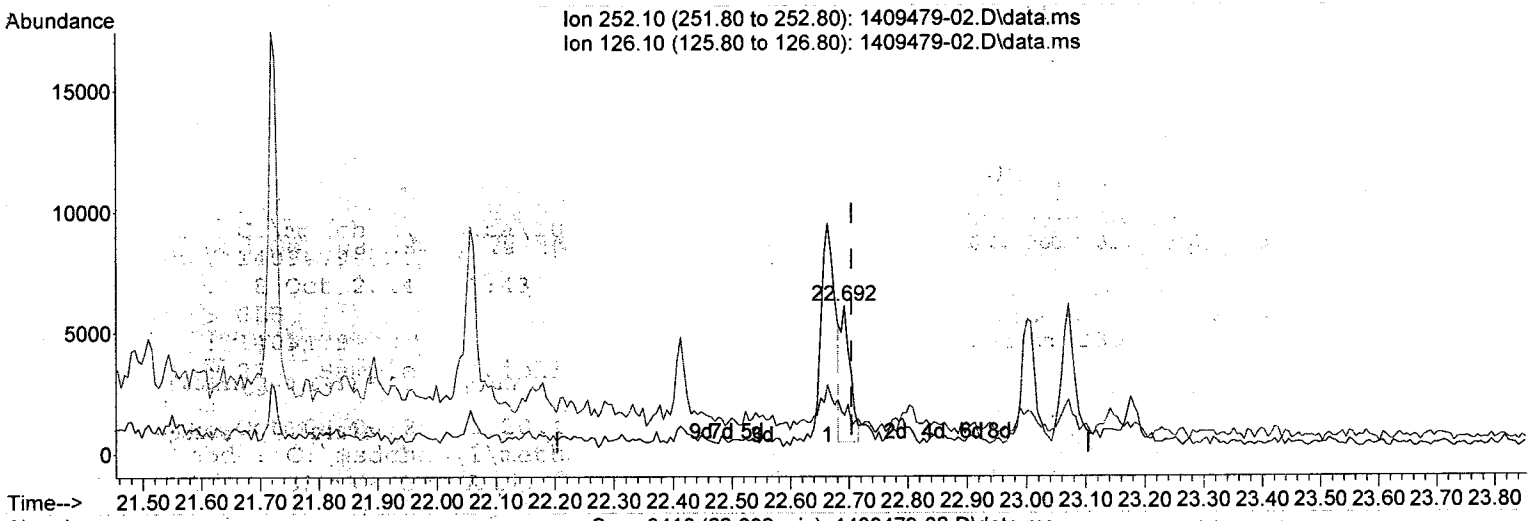
JLB 10/9/14

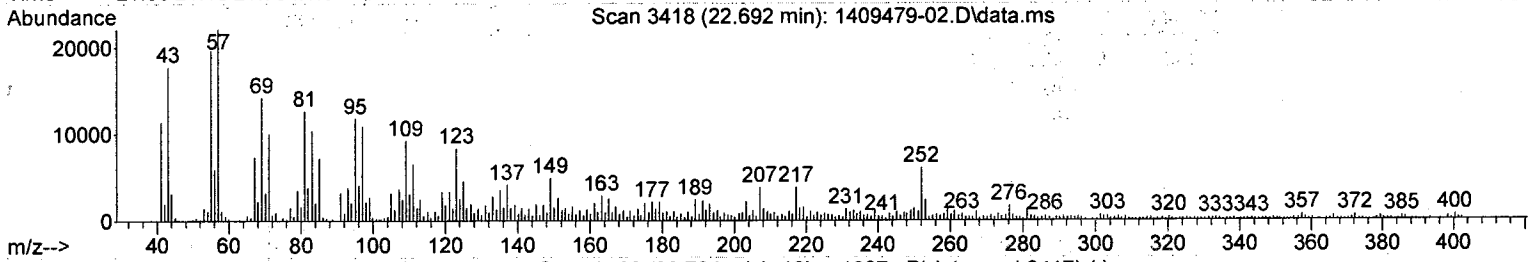
DWS 10-17-14

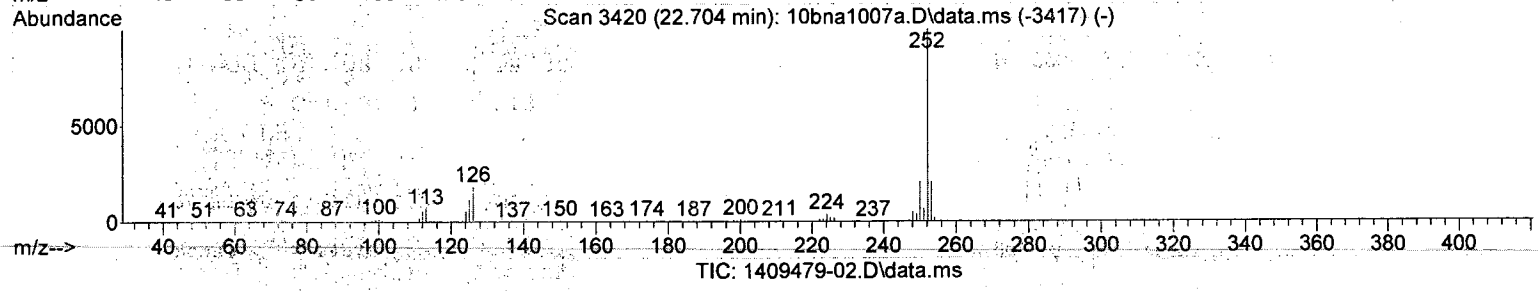
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-02.D\data.ms

(91) Benzo(k)fluoranthene

22.692min (-0.012) 0.13 ng/uL m

response 6529

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	84.67#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

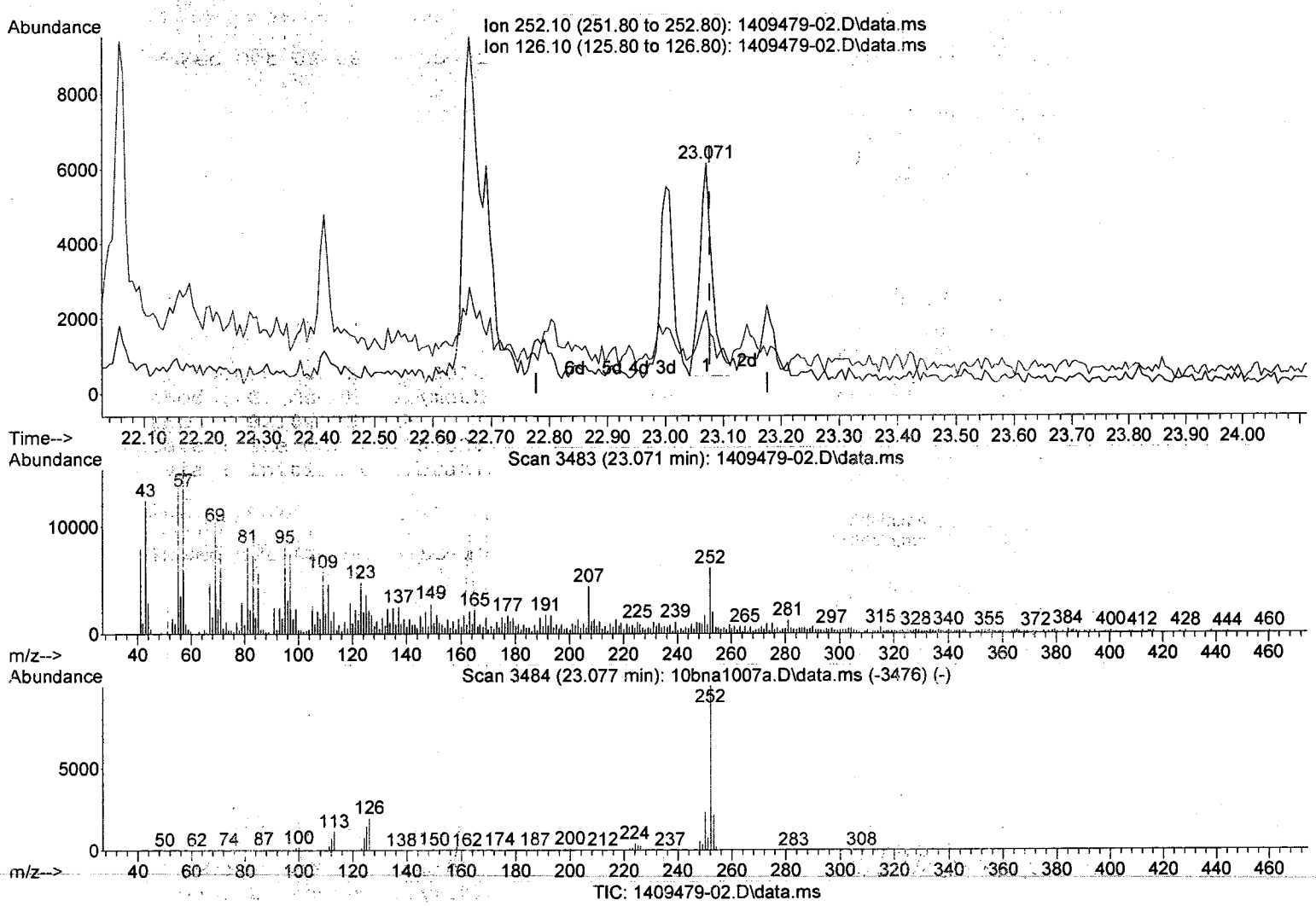
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/9/14
Reviewed By: DWS Date: 10-17-14

002546

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

23.071min (-0.006) 0.21 ng/uL

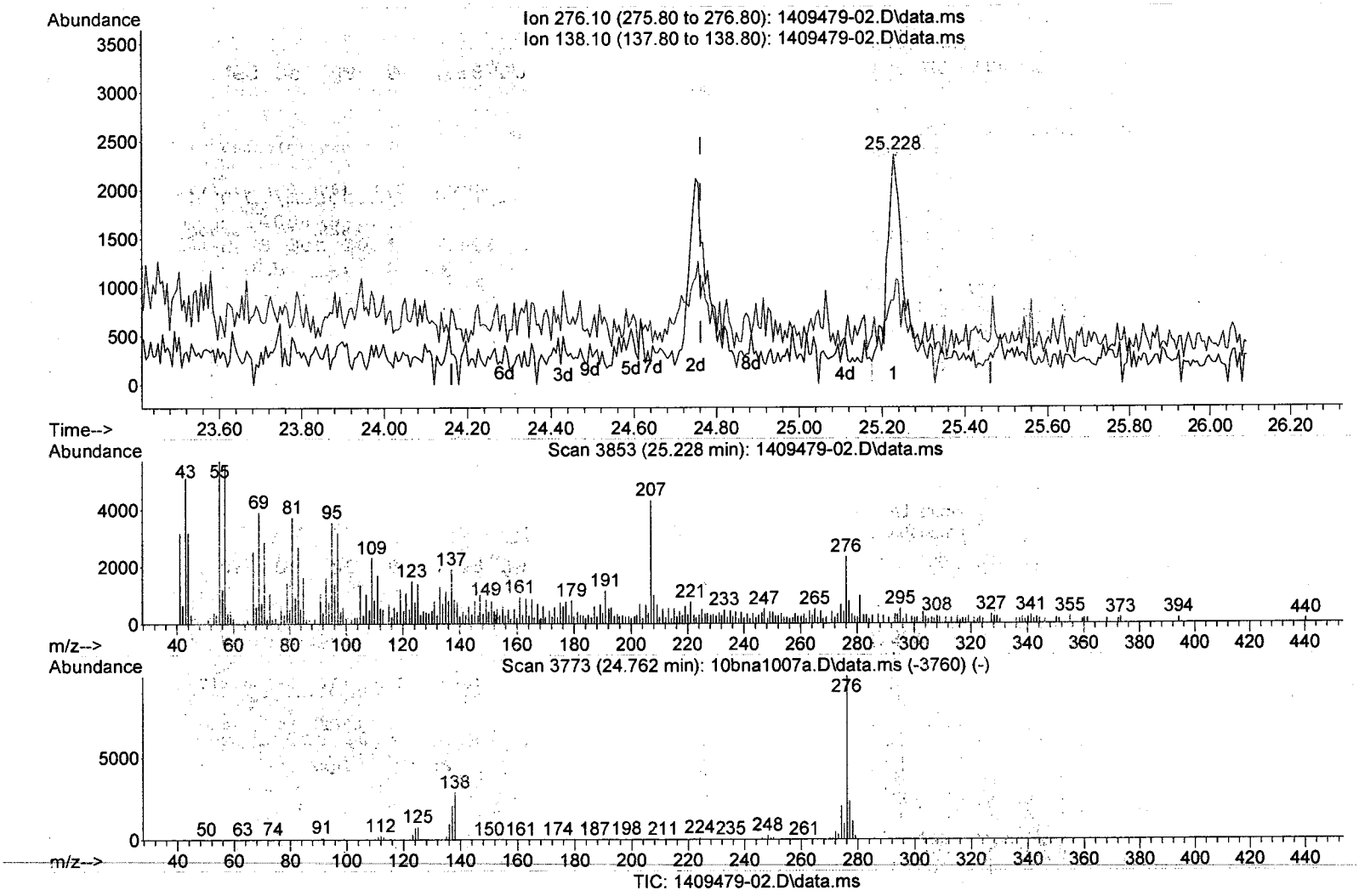
response 31 8583

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	29.97#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(93) Indeno(1,2,3-cd)pyrene

25.228min (+ 0.466) 0.22 ng/uL

response 7582

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	25.10
0.00	0.00	0.00
0.00	0.00	0.00

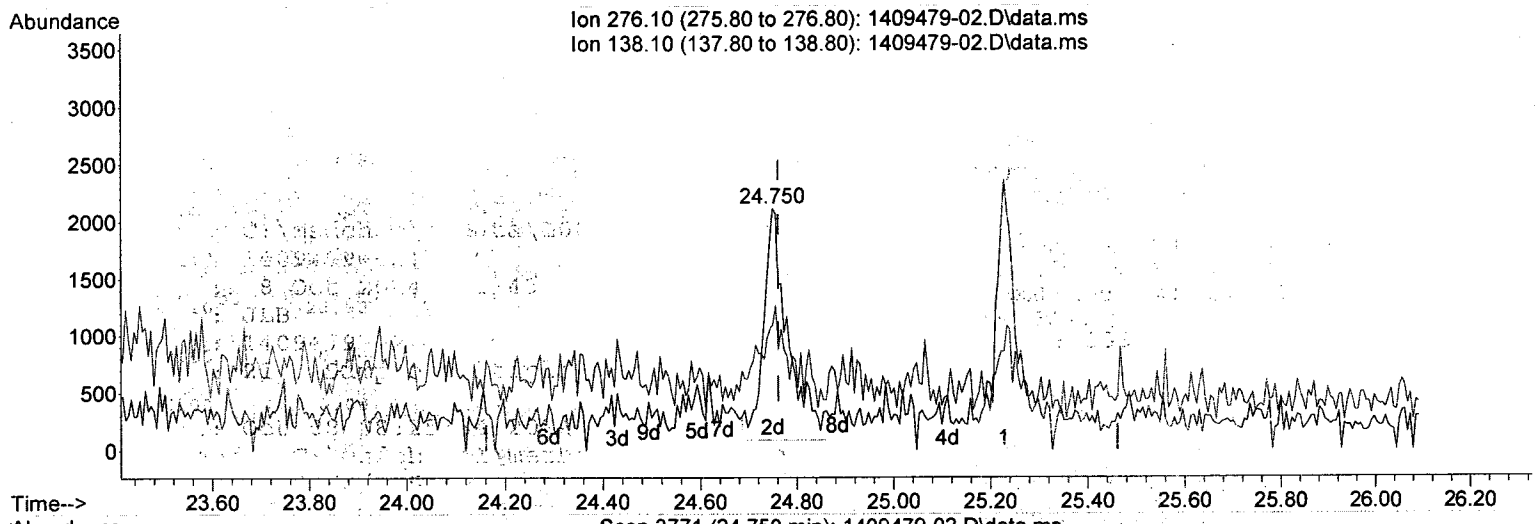
JLB 10/9/14

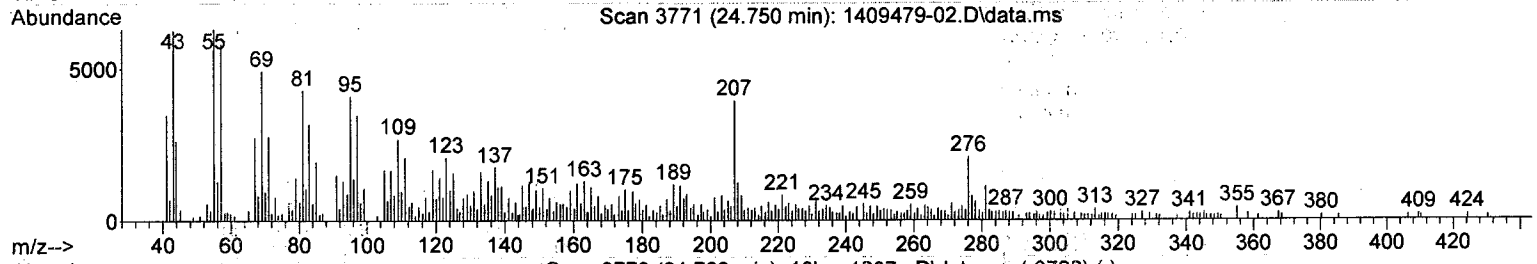
DWS 10-17-14

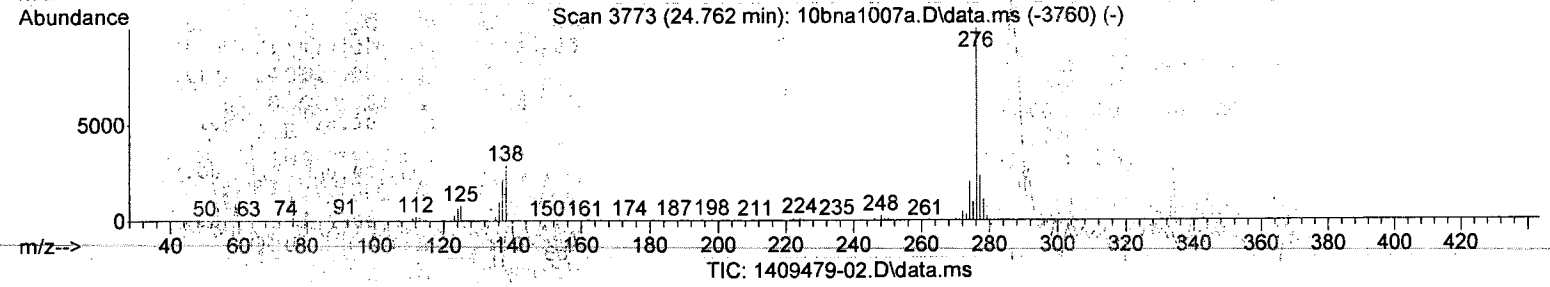
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-02.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.750min (-0.012) 0.20 ng/uL m

response 7124

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	26.71
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

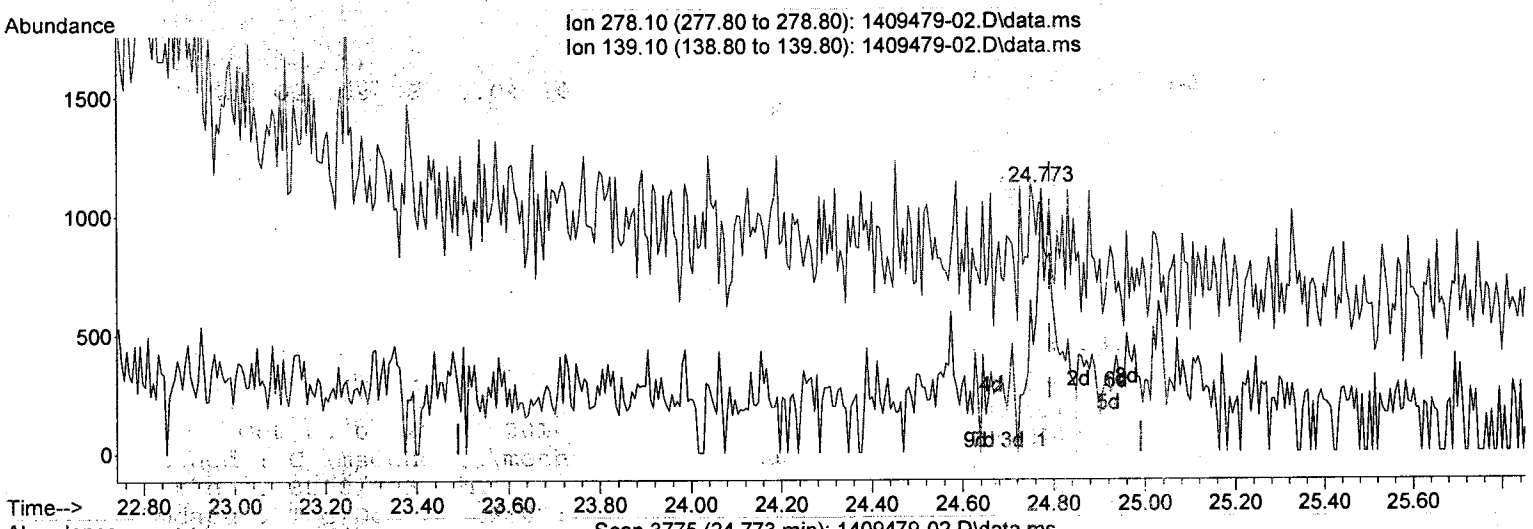
Flagged on Quantitation Report: (Yes / No)
Analyst: JLB Date: 10/9/14
Reviewed By: DWS Date: 10-17-14

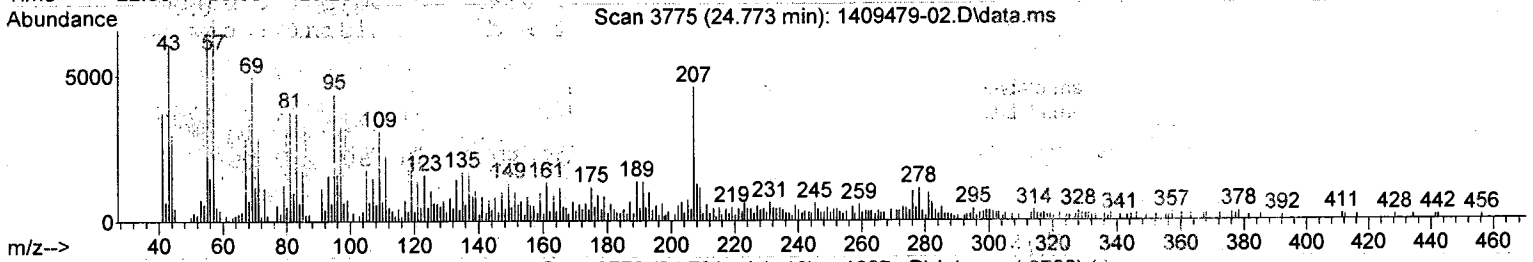
002549

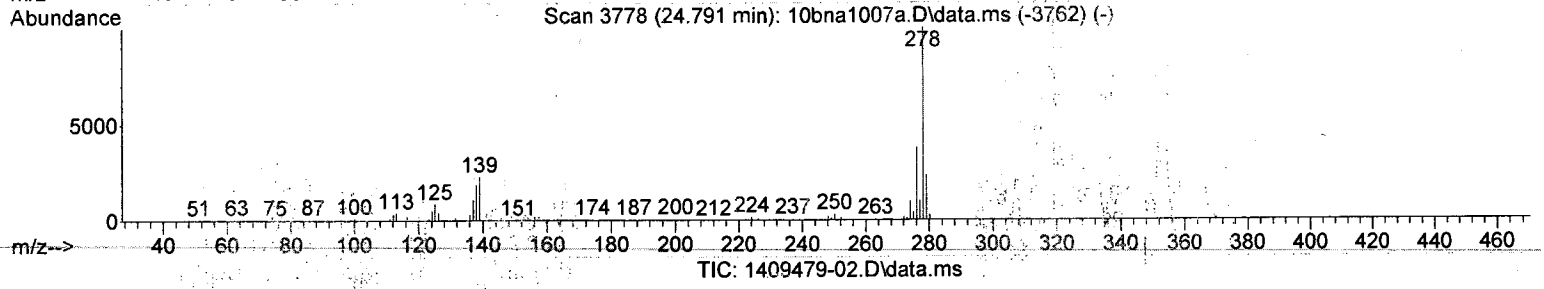
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-02.D\data.ms

(94) Dibenz(a,h)anthracene

24.773min (-0.018) 0.14 ng/uL

response 3952

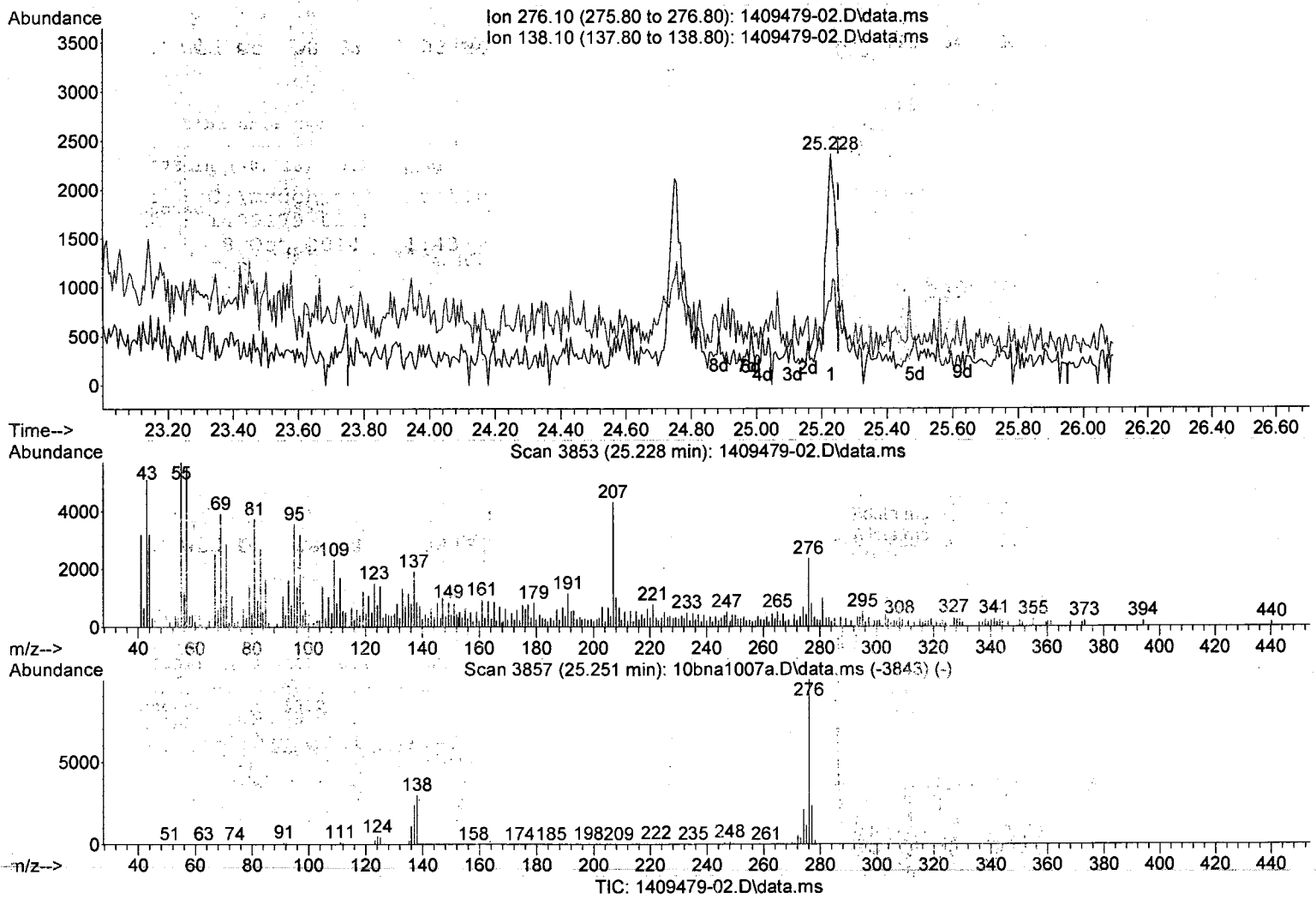
Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	18.35
0.00	0.00	0.00
0.00	0.00	0.00

002550

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-02.D
Acq On : 8 Oct 2014 1:43
Operator : JLB
Sample : 1409479-02 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 08 08:25:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.228min (-0.023) 0.25 ng/uL

response 7582

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	25.10
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB01-32

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-02RE1 File ID: 1409479-02 10x.D

Sampled: 09/25/14 09:20 Prepared: 10/01/14 07:29 Analyzed: 10/10/14 13:04

Solids: 96.96 Preparation: 3550C Sonication Extract Initial/Final: 29.5 grams / 1 mL

QC Batch: 1410496 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	170	48	170	170	U
208-96-8	Acenaphthylene	10	170	43	170	170	U
120-12-7	Anthracene	10	170	41	170	170	U
56-55-3	Benzo(a)anthracene	10	86	28	86	170	U
50-32-8	Benzo(a)pyrene	10	86	24	86	170	U
205-99-2	Benzo(b)fluoranthene	10	86	20	86	170	U
207-08-9	Benzo(k)fluoranthene	10	86	20	86	170	U
191-24-2	Benzo(g,h,i)perylene	10	86	19	86	340	U
65-85-0	Benzoic Acid	10	1700	710	1700	3400	U
100-51-6	Benzyl Alcohol	10	170	48	170	170	U
101-55-3	4-Bromophenyl Phenyl Ether	10	170	42	170	170	U
85-68-7	Butyl Benzyl Phthalate	10	220	41	170	340	J
86-74-8	Carbazole	10	170	42	170	1700	U
59-50-7	4-Chloro-3-methylphenol	10	170	52	170	170	U
106-47-8	4-Chloroaniline	10	170	91	170	690	U
111-91-1	Bis(2-chloroethoxy)methane	10	170	42	170	170	U
111-44-4	Bis(2-chloroethyl) Ether	10	170	41	170	170	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	86	38	86	170	U
91-58-7	2-Chloronaphthalene	10	170	51	170	170	U
95-57-8	2-Chlorophenol	10	170	41	170	170	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	170	39	170	170	U
218-01-9	Chrysene	10	170	40	170	170	U
53-70-3	Dibenz(a,h)anthracene	10	86	20	86	340	U
132-64-9	Dibenzofuran	10	170	51	170	170	U
84-74-2	Di-n-butyl Phthalate	10	340	140	340	690	U
106-46-7	1,4-Dichlorobenzene	10	170	50	170	170	U
95-50-1	1,2-Dichlorobenzene	10	170	56	170	170	U
541-73-1	1,3-Dichlorobenzene	10	170	58	170	170	U
91-94-1	3,3′-Dichlorobenzidine	10	6900	2900	6900	8600	U
120-83-2	2,4-Dichlorophenol	10	170	42	170	340	U
84-66-2	Diethyl Phthalate	10	170	50	170	170	U
105-67-9	2,4-Dimethylphenol	10	1400	370	1400	1700	U
131-11-3	Dimethyl Phthalate	10	170	49	170	170	U
534-52-1	4,6-Dinitro-2-methylphenol	10	690	220	690	1700	U
51-28-5	2,4-Dinitrophenol	10	1700	580	1700	1700	U
606-20-2	2,6-Dinitrotoluene	10	86	41	86	170	U
121-14-2	2,4-Dinitrotoluene	10	86	34	86	340	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB01-32

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-02RE1 File ID: 1409479-02 10x.D

Sampled: 09/25/14 09:20 Prepared: 10/01/14 07:29 Analyzed: 10/10/14 13:04

Solids: 96.96 Preparation: 3550C Sonication Extract Initial/Final: 29.5 grams / 1 mL

QC Batch: 1410496 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	170	40	170	170	U
122-66-7	1,2-Diphenylhydrazine	10	86	35	86	170	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	630	120	170	340	**B**
206-44-0	Fluoranthene	10	170	46	170	170	U
86-73-7	Fluorene	10	170	42	170	340	U
118-74-1	Hexachlorobenzene	10	170	49	170	170	U
87-68-3	Hexachlorobutadiene	10	170	47	170	170	U
67-72-1	Hexachloroethane	10	170	52	170	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	86	28	86	340	U
78-59-1	Isophorone	10	170	40	170	170	U
91-57-6	2-Methylnaphthalene	10	170	47	170	170	U
108-39-4	3+4-Methylphenol	10	86	38	86	170	U
95-48-7	2-Methylphenol	10	86	37	86	170	U
91-20-3	Naphthalene	10	170	58	170	170	U
100-01-6	4-Nitroaniline	10	690	250	690	3400	U
88-74-4	2-Nitroaniline	10	86	37	86	170	U
99-09-2	3-Nitroaniline	10	340	170	340	3400	U
98-95-3	Nitrobenzene	10	170	47	170	170	U
88-75-5	2-Nitrophenol	10	170	46	170	170	U
100-02-7	4-Nitrophenol	10	3400	1100	3400	6900	U
62-75-9	N-Nitroso-dimethylamine	10	69	34	69	340	U
86-30-6	N-Nitroso-diphenylamine	10	86	35	86	170	U
621-64-7	N-Nitroso-di-n-propylamine	10	170	42	170	170	U
87-86-5	Pentachlorophenol	10	170	140	170	1700	U
85-01-8	Phenanthrene	10	170	42	170	170	U
108-95-2	Phenol	10	170	40	170	1700	U
129-00-0	Pyrene	10	170	44	170	170	U
120-82-1	1,2,4-Trichlorobenzene	10	170	46	170	170	U
95-95-4	2,4,5-Trichlorophenol	10	170	46	170	170	U
88-06-2	2,4,6-Trichlorophenol	10	86	26	86	170	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	699	489	70	33 - 113	D
Phenol-d6	699	510	73	30 - 115	D
Nitrobenzene-d5	350	255	73	33 - 131	D
2-Fluorobiphenyl	350	283	81	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB01-32

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-02RE1
File ID: 1409479-02 10x.D
Sampled: 09/25/14 09:20
Prepared: 10/01/14 07:29
Analyzed: 10/10/14 13:04
Solids: 96.96
Preparation: 3550C Sonication Extract
Initial/Final: 29.5 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	699	297	43	12 - 124	D
o-Terphenyl	350	322	92	20 - 155	D

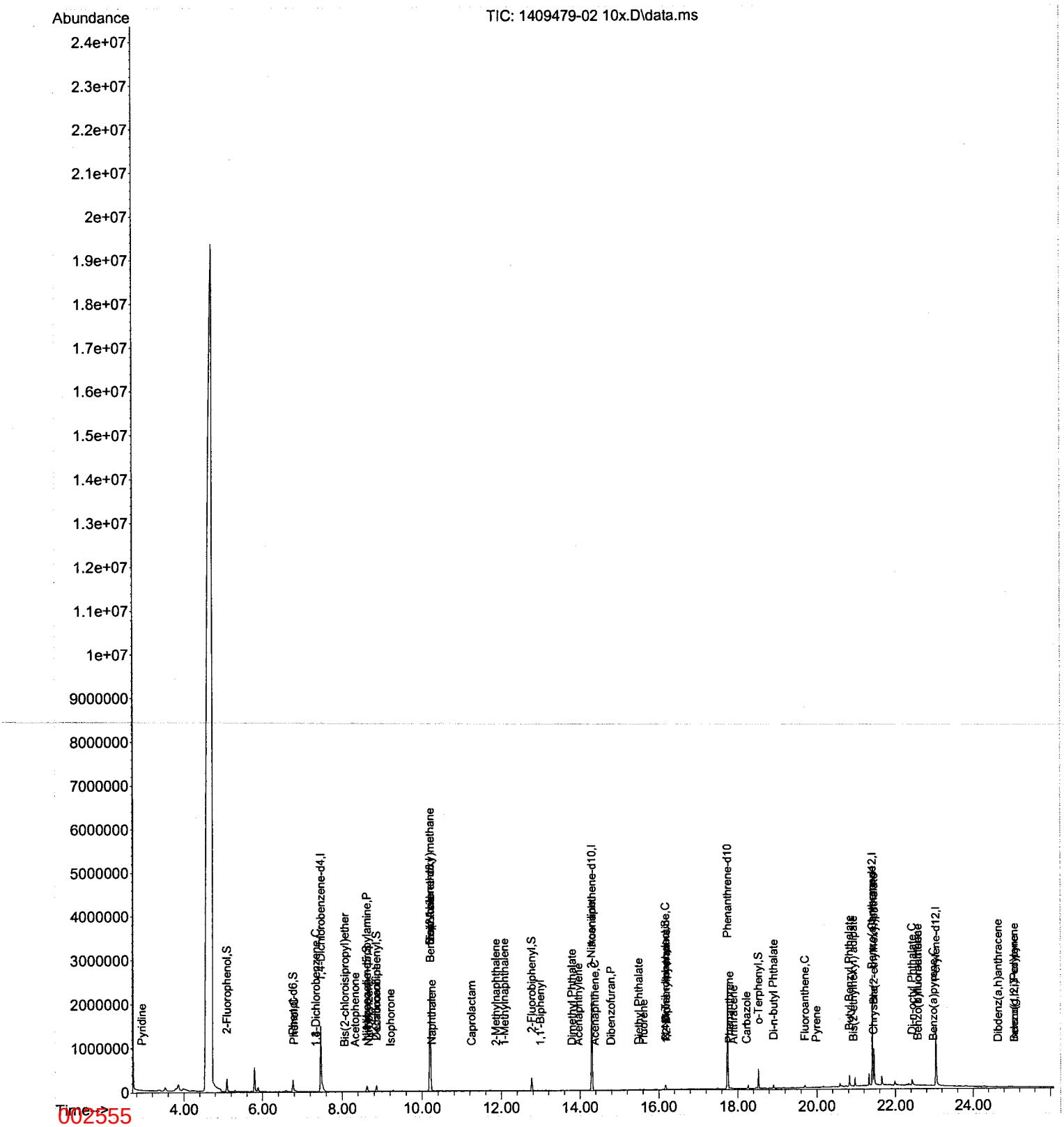
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	483776	7.466	403279	7.614	
Naphthalene-d8	1827950	10.2	1529030	10.359	
Acenaphthene-d10	985291	14.303	866604	14.474	
Phenanthrene-d10	1426496	17.748	1400442	17.901	
Chrysene-d12	1104057	21.414	1153654	21.538	
Perylene-d12	818663	23.046	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-02 10x.D
Acq On : 10 Oct 2014 13:04
Operator : JLB
Sample : 1409479-02 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 15:02:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



002555

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-02 10x.D
Acq On : 10 Oct 2014 13:04 RFI
Operator : JLB
Sample : 1409479-02 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 15:02:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.466	152	483776	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.200	136	1827950	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.303	164	985291	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.748	188	1426496	5.00	ng/uL	0.00
81) Chrysene-d12	21.414	240	1104057m	5.00	ng/uL	0.00
89) Perylene-d12	23.046	264	818663	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.094	112	154593	1.40	ng/uL	0.06
6) Phenol-d6	6.767	99	209327	1.46	ng/uL	0.00
21) Nitrobenzene-d5	8.620	82	84822	0.73	ng/uL	-0.02
23) Decafluorobiphenyl	8.859	334	59084	0.72	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.770	172	165431	0.81	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.174	330	18327	0.85	ng/uL	-0.02
78) o-Terphenyl	18.523	230	112182	0.92	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.		
3) Pyridine	2.932	79	139	0.00	ng/uL#	14
5) Aniline	0.000		0	N.D.		
7) Phenol	6.790	94	6364	0.04	ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.344	146	118	0.00	ng/uL#	34
11) 1,4-Dichlorobenzene	7.344	146	118	0.00	ng/uL#	36
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.067	45	192	0.00	ng/uL#	51
14) Benzyl Alcohol	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
16) Acetophenone	8.329	105	128	0.00	ng/uL#	33
17) Hexachloroethane	0.000		0	N.D.		
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.620	70	11244	RT ~~0.13~~	ng/uL#	2
22) Nitrobenzene	8.667	77	60	0.00	ng/uL#	30
24) Isophorone	9.209	82	137	0.00	ng/uL#	58
25) 2-Chloroaniline	8.859	127	784	0.01	ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	10.200	93	961	0.01	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	10.206	105	2795	RT ~~2.48~~	ng/uL#	1
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.241	128	725	0.00	ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.		
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.243	55	599	0.01	ng/uL#	21
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 2-Methylnaphthalene	11.861	142	888	0.00	ng/uL	90
40) 1-Methylnaphthalene	12.077	142	308	0.00	ng/uL#	77
41) 1,3 Dinitrobenzene	0.000		0	N.D.		
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		

002556

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-02 10x.D
Acq On : 10 Oct 2014 13:04
Operator : JLB
Sample : 1409479-02 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 15:02:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48) 2-Chloronaphthalene	0.000		0	N.D.	
49) 1,1'-Biphenyl	12.992	154	223	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.959	152	65	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.790	163	851	0.00 ng/uL#	84
54) 3-Nitroaniline	14.292	138	115	0.00 ng/uL#	1
55) Acenaphthene	14.379	153	313	0.00 ng/uL#	65
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.787	168	147	0.00 ng/uL#	37
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.609	166	404	0.00 ng/uL#	55
63) Diethyl Phthalate	15.492	149	3206	0.02 ng/uL#	85
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.	
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.174	169	911	0.01 ng/uL#	39
69) 1,2-Diphenylhydrazine	16.198	182	57	0.00 ng/uL#	25
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	0.000		0	N.D.	
75) Phenanthrene	17.795	178	5512	0.02 ng/uL#	90
76) Anthracene	17.894	178	890	0.00 ng/uL	98
77) Carbazole	18.226	167	558	0.00 ng/uL#	71
79) Di-n-butyl Phthalate	18.914	149	45952	0.17 ng/uL	99
80) Fluoroanthene	19.695	202	8763	0.03 ng/uL#	74
82) Pyrene	19.986	202	8827	0.03 ng/uL	94
83) Butyl Benzyl Phthalate	20.826	149	65921	0.64 ng/uL	89
84) Bis(2-ethylhexyl) adipate	20.925	129	835	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.408	228	6966	0.03 ng/uL#	11
86) Chrysene	21.443	228	4034	0.02 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.455	149	236385	1.79 ng/uL	92
88) Di-n-octyl Phthalate	22.428	149	75834	0.65 ng/uL	98
90) Benzo(b)fluoroanthene	22.574	252	6015	0.04 ng/uL#	80
91) Benzo(k)fluoranthene	22.574	252	6198	0.04 ng/uL#	71
92) Benzo(a)pyrene	22.976	252	1533	0.01 ng/uL#	1
93) Indeno(1,2,3-cd)pyrene	25.069	276	2035	0.02 ng/uL	93
94) Dibdenz(a,h)anthracene	24.649	278	711	0.01 ng/uL#	51
95) Benzo(g,h,i)Perylene	25.069	276	2035	0.02 ng/uL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

002557

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-02 10x.D
Acq On : 10 Oct 2014 13:04
Operator : JLB
Sample : 1409479-02 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 14:56:12 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:52:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.466	152	472239	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.200	136	1827950	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.303	164	984612	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.748	188	1427244	5.00	ng/uL	0.00
19) Chrysene-d12	21.414	240	1102196m	5.00	ng/uL	0.00
22) Perylene-d12	23.046	264	818663	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.375	74	141	0.00	ng/uL#	1
3) Pyridine	3.019	79	182	0.00	ng/uL#	14
4) Aniline	0.000		0	N.D.		
5) Benzaldehyde	6.627	105	782	0.01	ng/uL#	1
6) Acetophenone	8.329	105	128	0.00	ng/uL#	33
7) N-Nitroso-di-n-propyla...	8.620	70	11244	0.12	ng/uL#	2
9) 4-Chloroaniline	0.000		0	N.D.		
10) Caprolactam	11.185	55	167	0.10	ng/uL#	21
12) 1,1'-Biphenyl	12.992	154	223	0.00	ng/uL#	40
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	14.292	138	115	Below Cal	#	1
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	16.174	169	911	0.01	ng/uL#	39
18) Atrazine	0.000		0	N.D.		
20) Benzidine	0.000		0	N.D.		
21) 3,3'-Dichlorobenzidine	21.321	252	494	0.01	ng/uL#	54

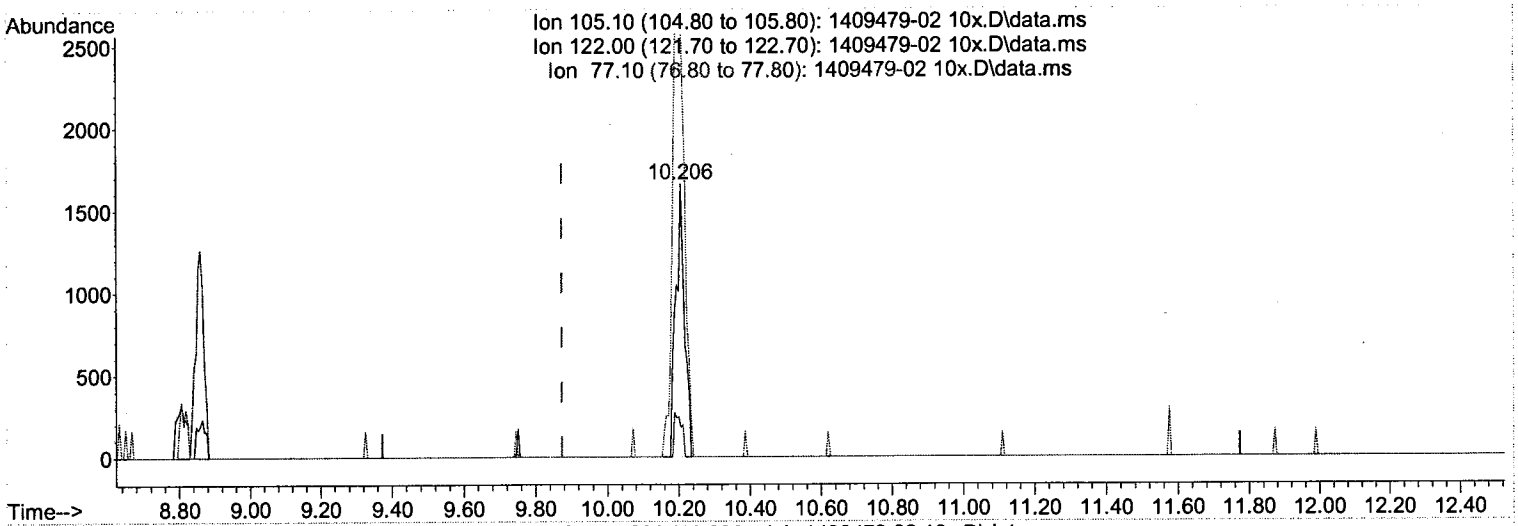
(#) = qualifier out of range (m) = manual integration (+) = signals summed

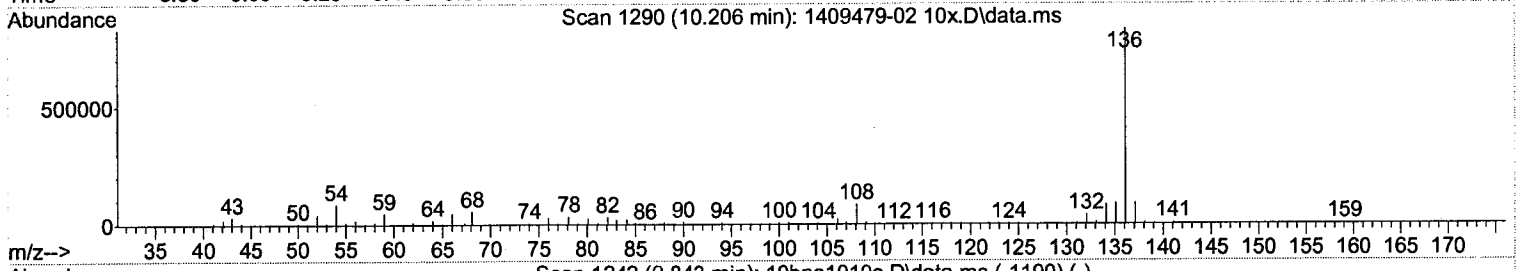
002558

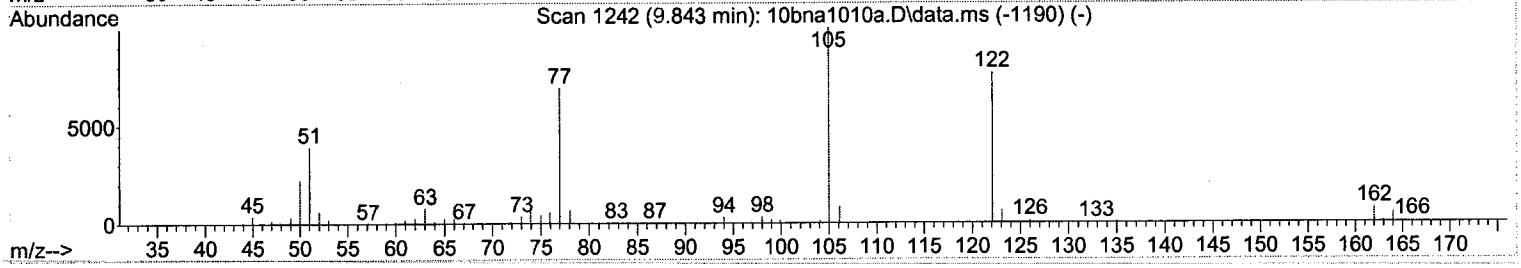
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-02 10x.D
Acq On : 10 Oct 2014 13:04
Operator : JLB
Sample : 1409479-02 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 15:01:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-02 10x.D\data.ms

(30) Benzoic Acid

10.206min (+ 0.332) 2.48 ng/uL

response 2795

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	14.06#
77.10	74.70	245.80#
0.00	0.00	0.00

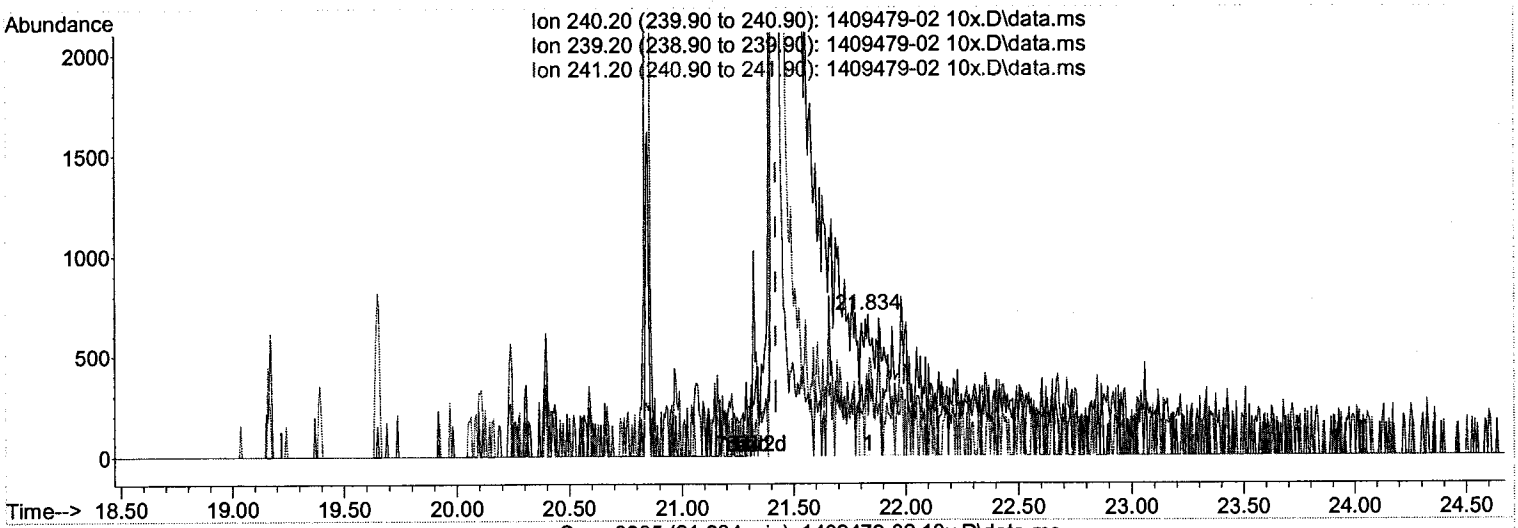
RT

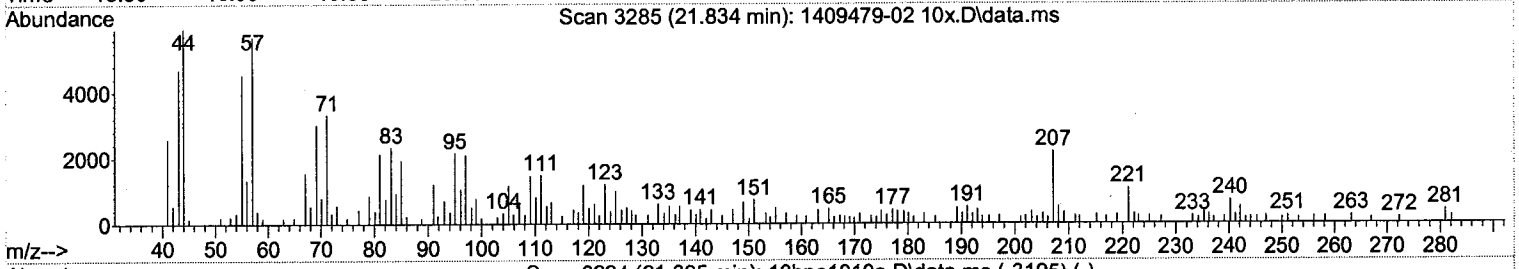
002559

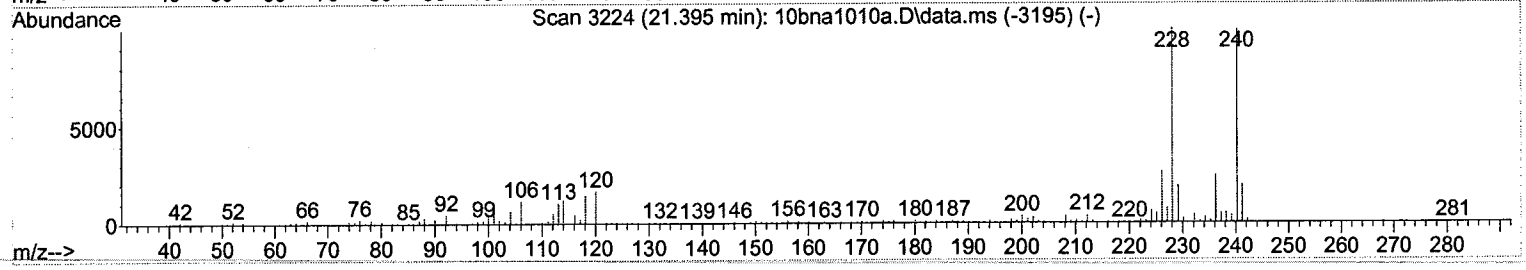
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-02 10x.D
Acq On : 10 Oct 2014 13:04
Operator : JLB
Sample : 1409479-02 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 15:01:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-02 10x.D\data.ms

(81) Chrysene-d12 (I)

21.834min (+ 0.414) 5.00 ng/uL

response 7148

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	20.54
241.20	19.50	18.02
0.00	0.00	0.00

JWS 10/15/14

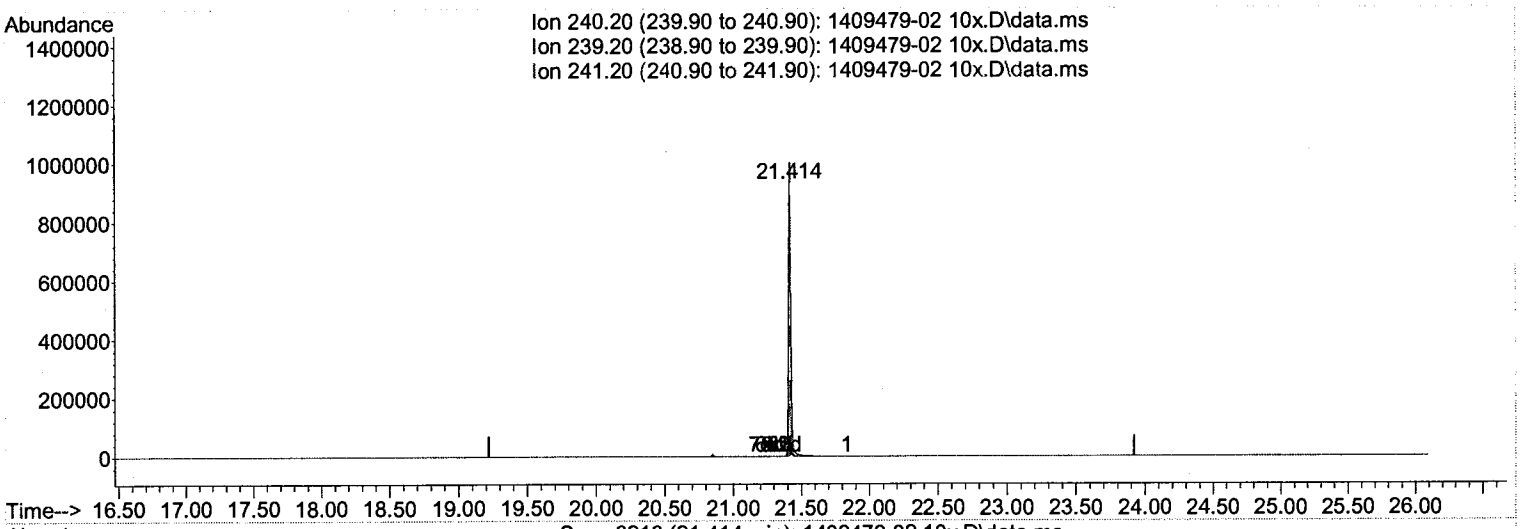
DWS 10-17-14

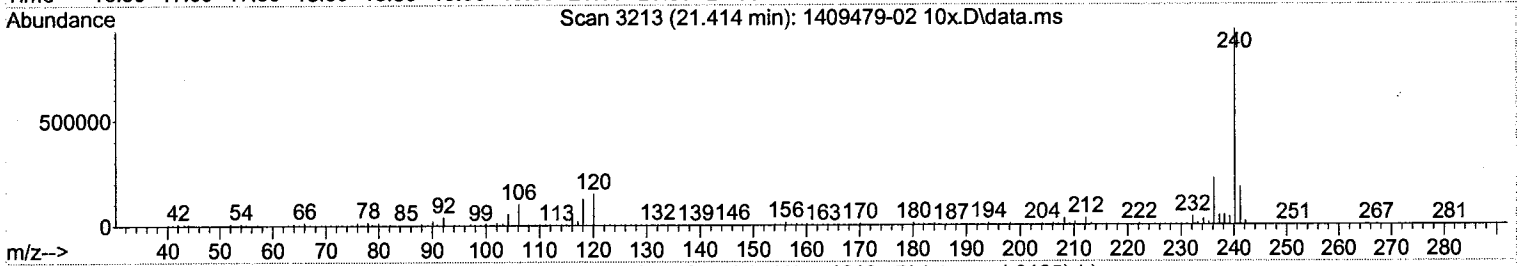
002560

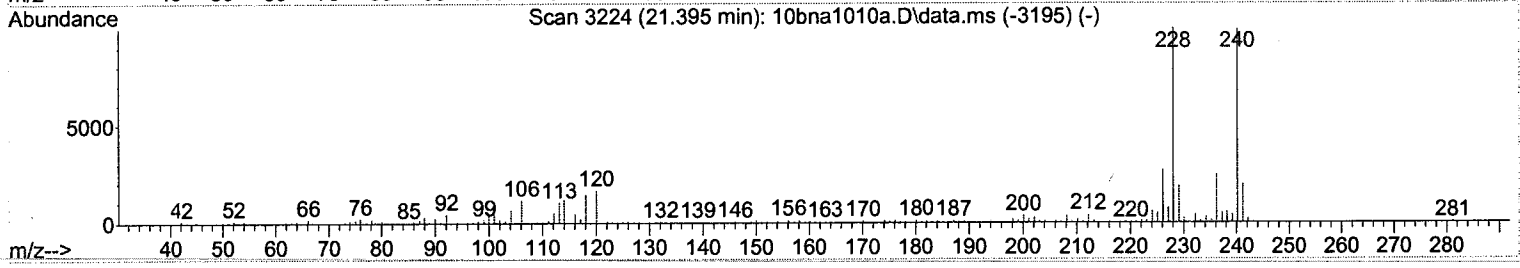
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-02 10x.D
Acq On : 10 Oct 2014 13:04
Operator : JLB
Sample : 1409479-02 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 15:01:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-02 10x.D\data.ms

(81) Chrysene-d12 (I)

21.414min (-0.006) 5.00 ng/uL m

response 1104057

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	0.13#
241.20	19.50	0.12#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JWS Date: 10/15/14

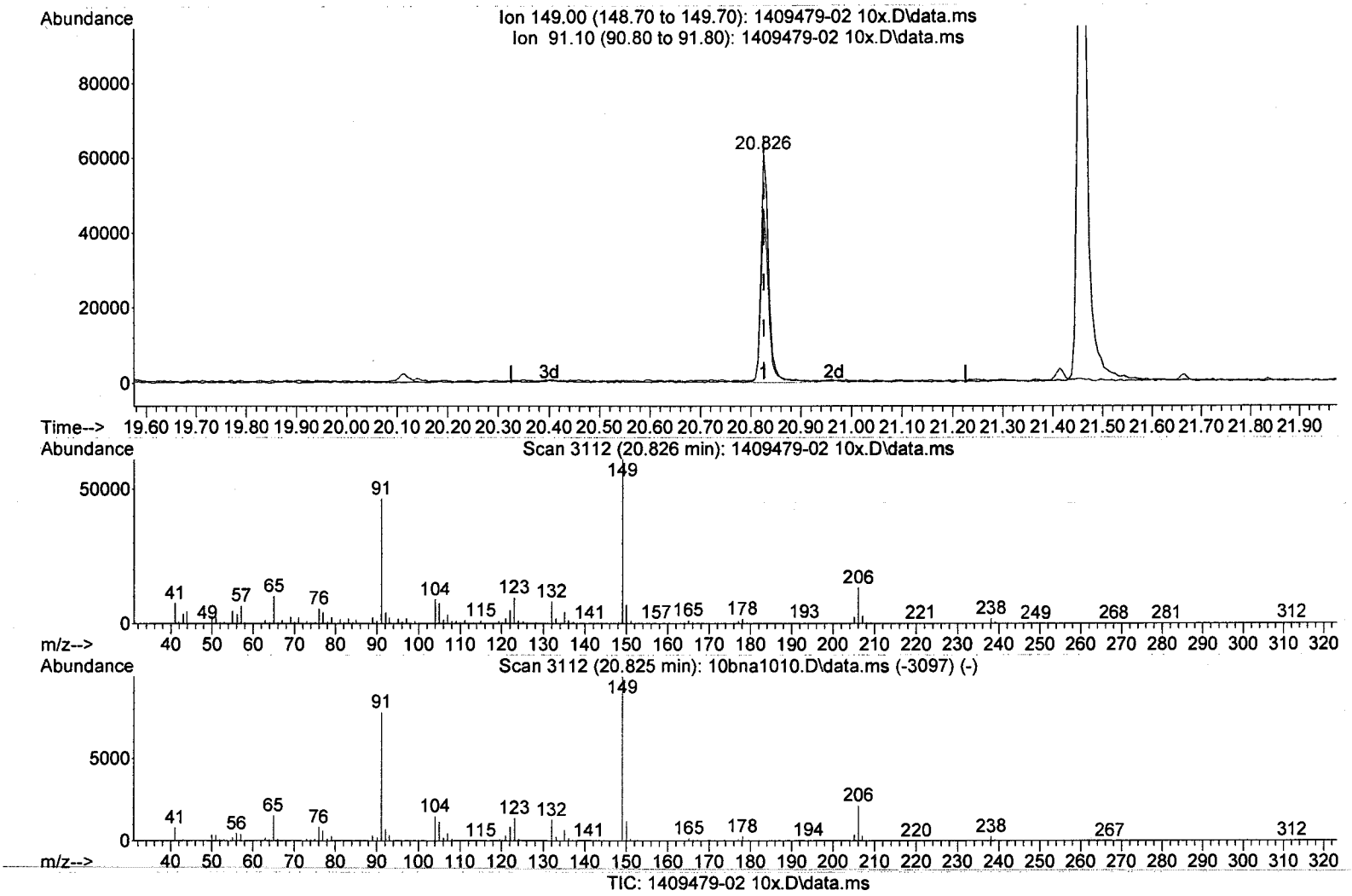
Reviewed By: DWS Date: 10-17-14

002561

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-02 10x.D
Acq On : 10 Oct 2014 13:04
Operator : JLB
Sample : 1409479-02 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 15:02:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



TIC: 1409479-02 10x.D\data.ms

(83) Butyl Benzyl Phthalate

20.826min (+ 0.000) 0.64 ng/uL

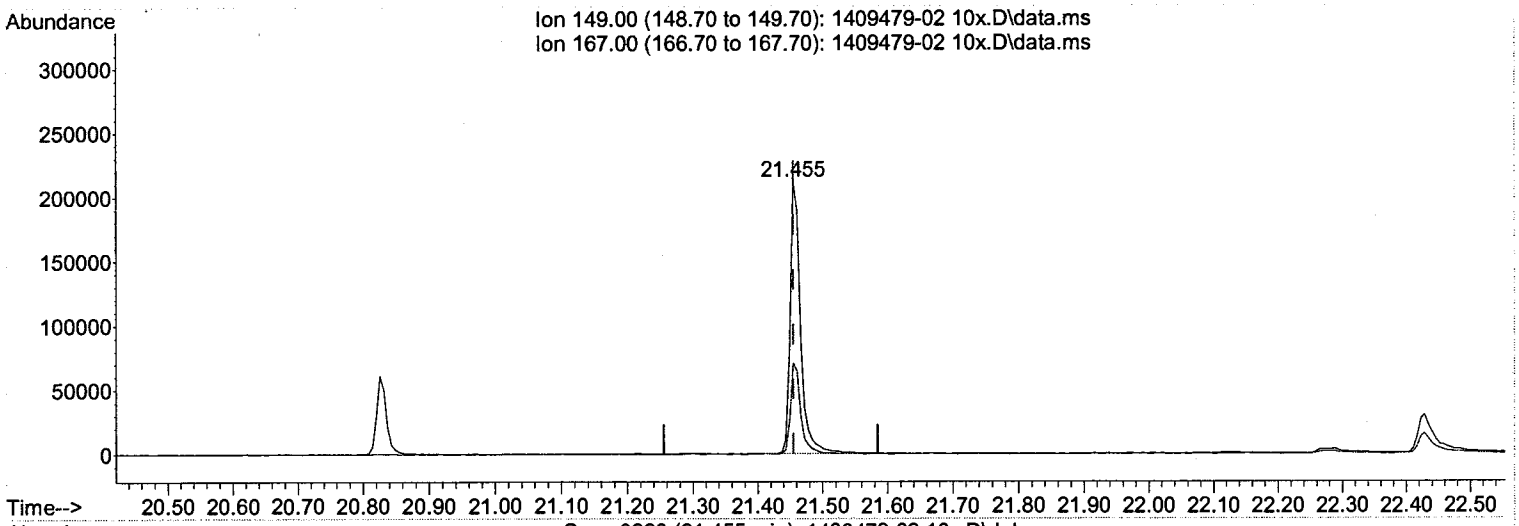
response 65921

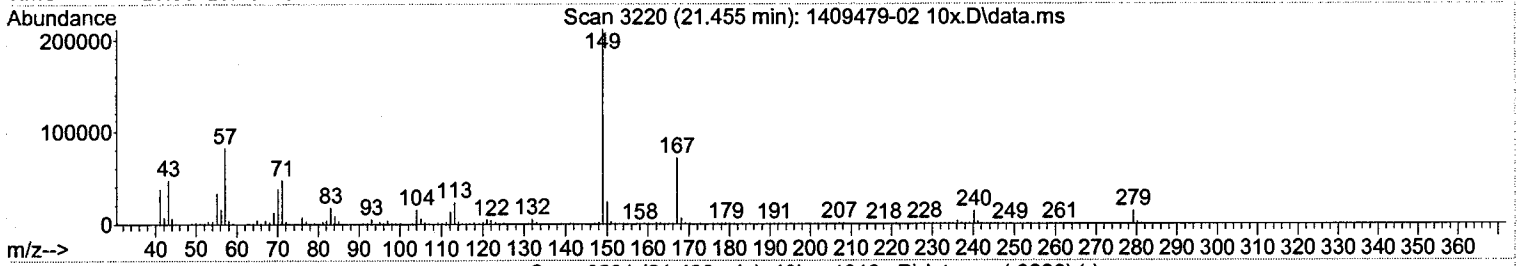
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	74.59
0.00	0.00	0.00
0.00	0.00	0.00

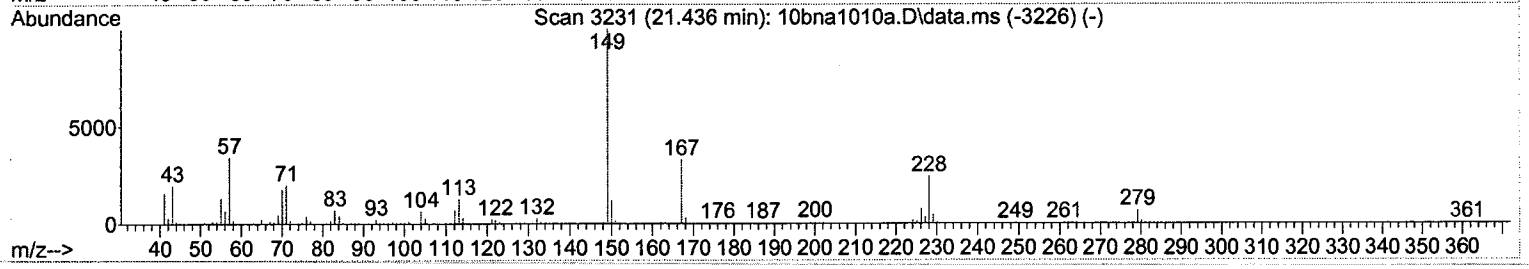
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-02 10x.D
Acq On : 10 Oct 2014 13:04
Operator : JLB
Sample : 1409479-02 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 15:01:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-02 10x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.455min (+ 0.000) 1.79 ng/uL

response 236385

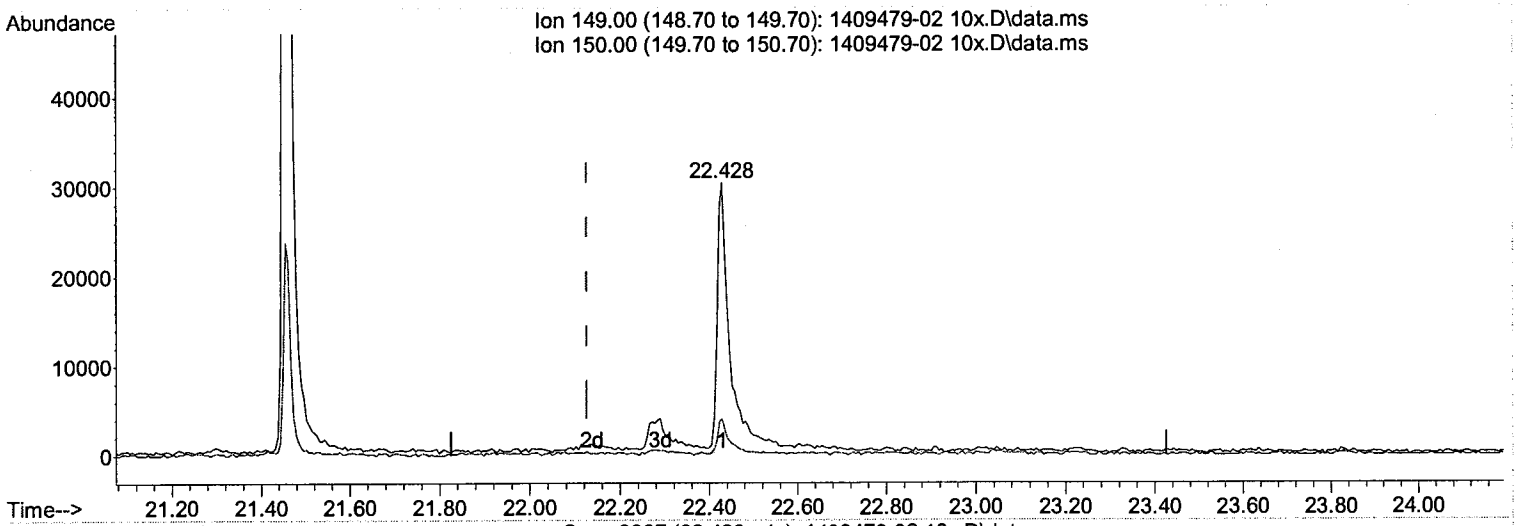
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.53
0.00	0.00	0.00
0.00	0.00	0.00

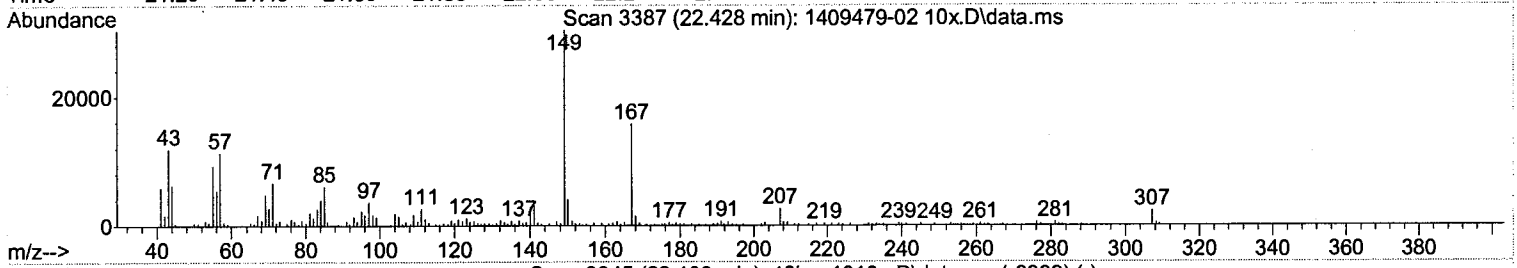
002563

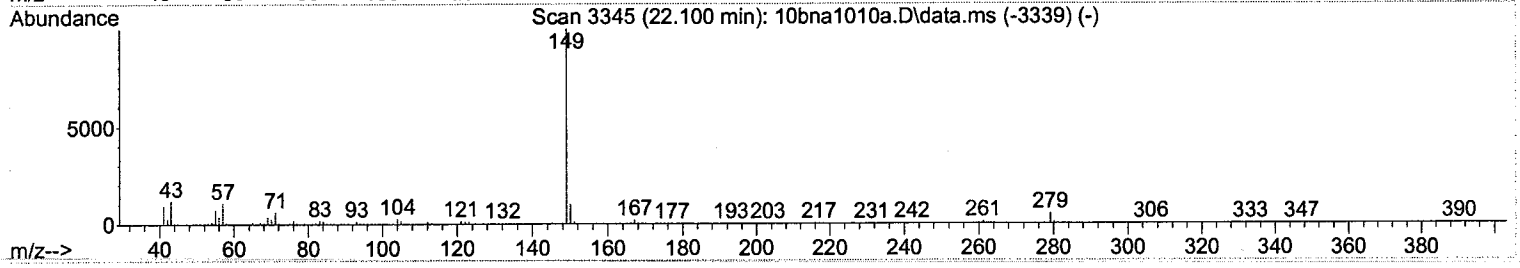
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-02 10x.D
Acq On : 10 Oct 2014 13:04
Operator : JLB
Sample : 1409479-02 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 15:01:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-02 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.428min (+ 0.303) 0.65 ng/uL

response 75834

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	10.28
0.00	0.00	0.00
0.00	0.00	0.00

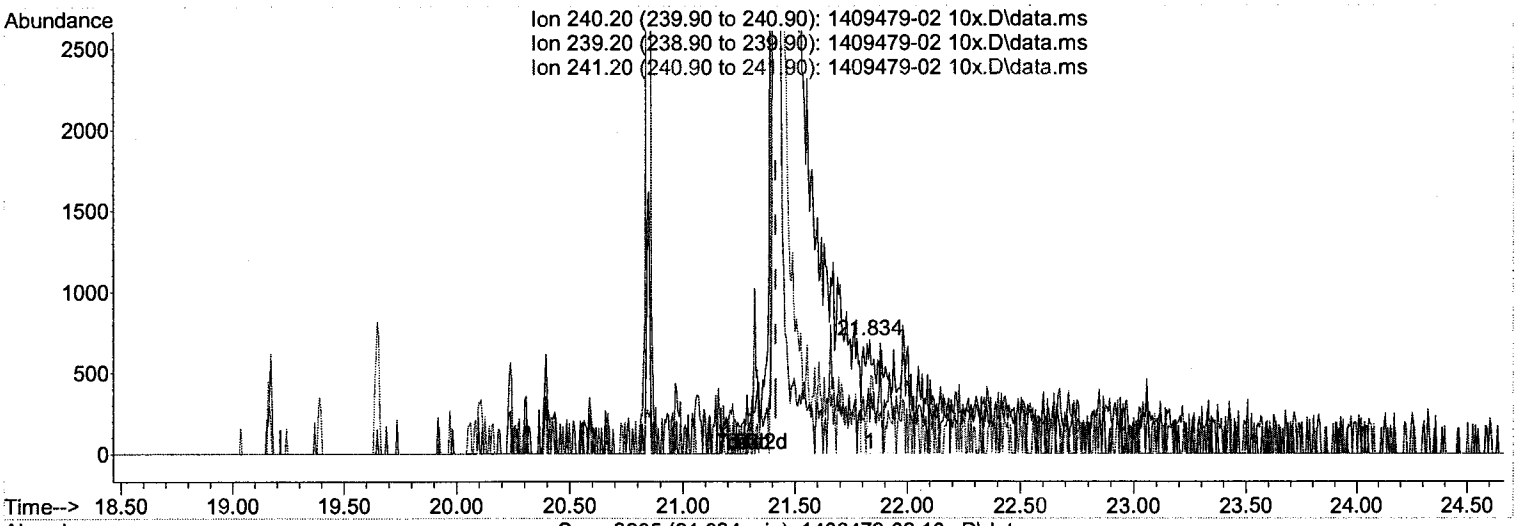
RT

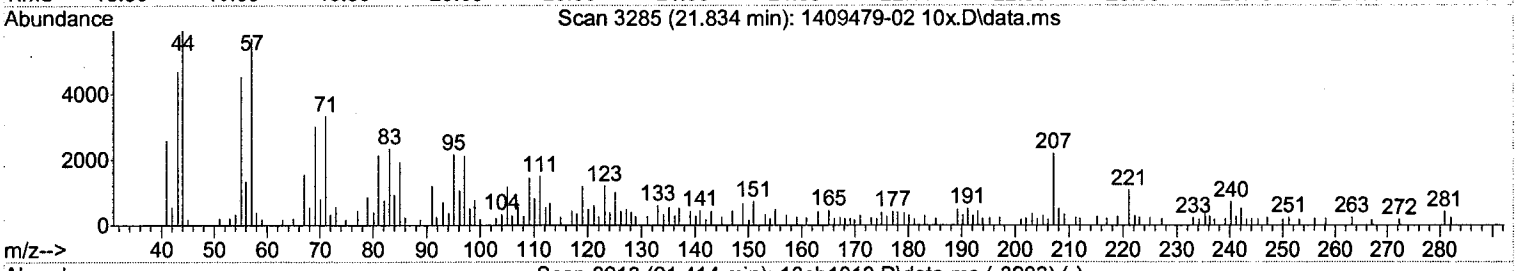
002564

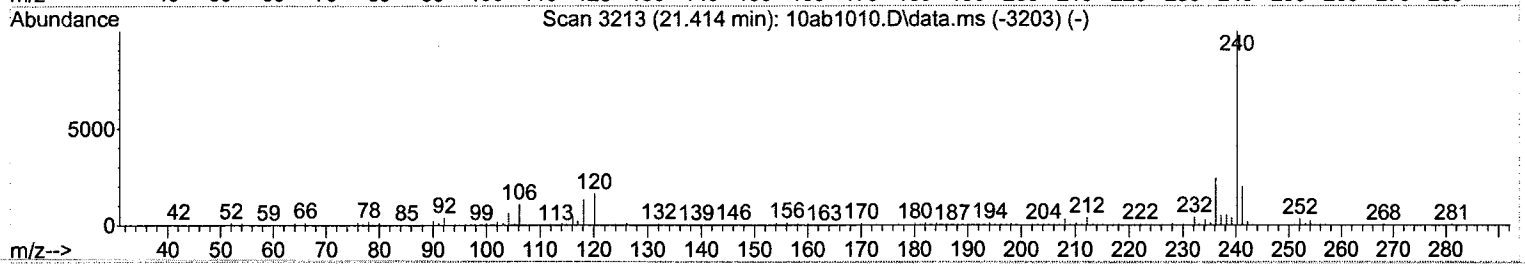
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-02 10x.D
Acq On : 10 Oct 2014 13:04
Operator : JLB
Sample : 1409479-02 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 14:55:58 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:52:26 2014
Response via : Initial Calibration







TIC: 1409479-02 10x.D\data.ms

(19) Chrysene-d12 (I)

21.834min (+ 0.420) 5.00 ng/uL

response 7148

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	20.54
241.20	19.50	18.02
0.00	0.00	0.00

JWS 10/15/14

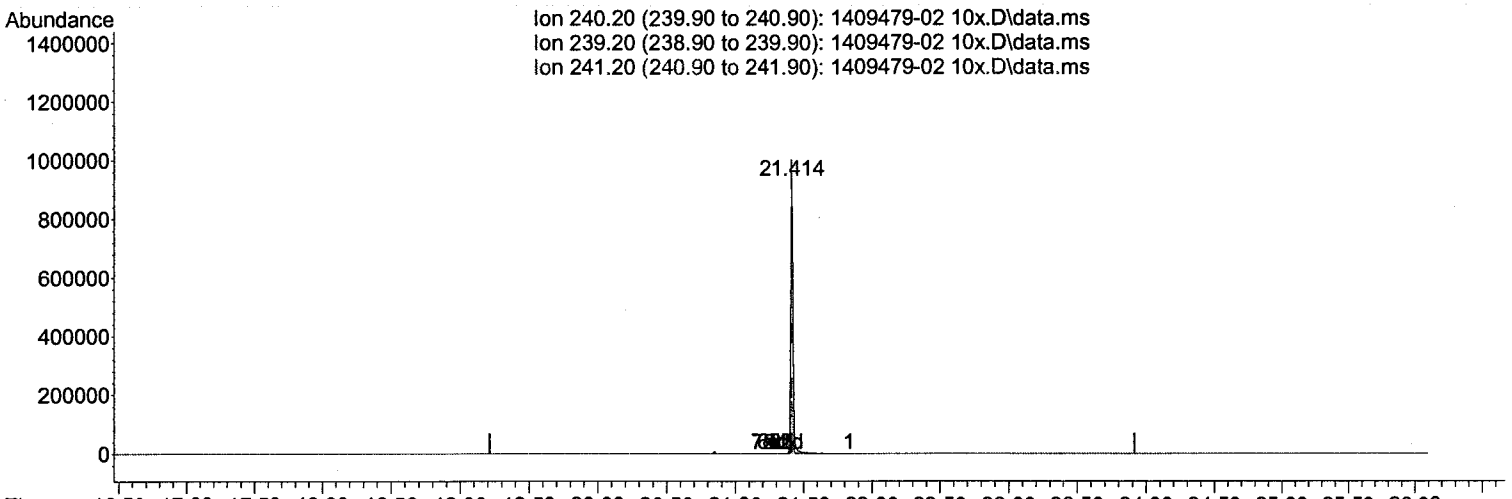
DWS 10-17-14

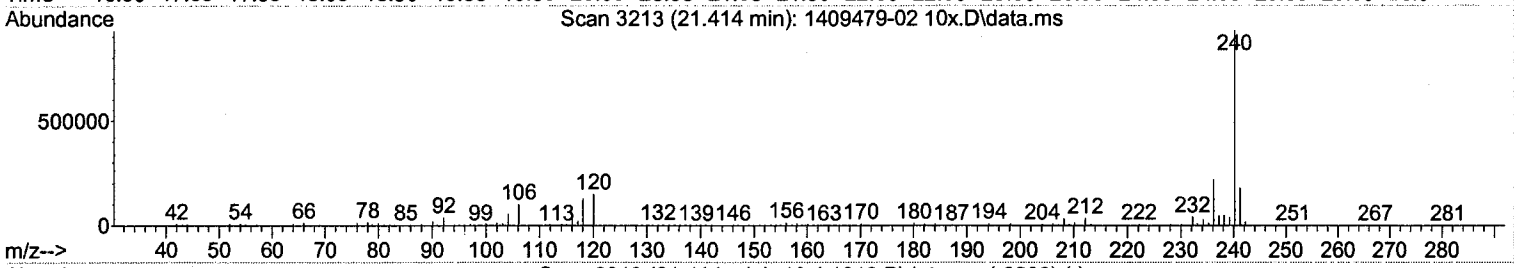
002565

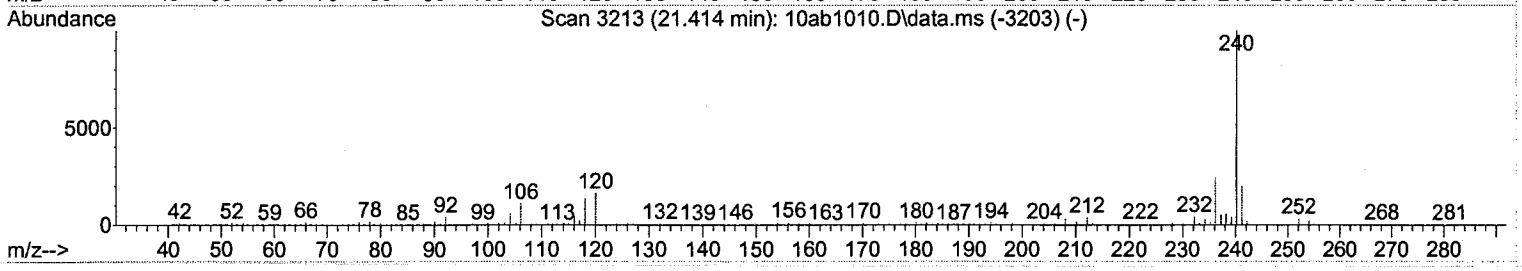
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-02 10x.D
Acq On : 10 Oct 2014 13:04
Operator : JLB
Sample : 1409479-02 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 14:55:58 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:52:26 2014
Response via : Initial Calibration







TIC: 1409479-02 10x.D\data.ms

(19) Chrysene-d12 (I)

21.414min (+ 0.000) 5.00 ng/uL m

response 1102196

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	0.13#
241.20	19.50	0.12#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

Reviewed By: DWS Date: 10-17-14

002566

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB02-14

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-03 File ID: 1409479-03.D

Sampled: 09/25/14 09:45 Prepared: 10/01/14 07:29 Analyzed: 10/08/14 02:15

Solids: 95.28 Preparation: 3550C Sonication Extract Initial/Final: 30 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	18	4.9	18	18	U
208-96-8	Acenaphthylene	1	18	4.4	18	18	U
120-12-7	Anthracene	1	18	4.2	18	18	U
56-55-3	Benzo(a)anthracene	1	6.6	2.9	8.7	18	J
50-32-8	Benzo(a)pyrene	1	6.6	2.4	8.7	18	J
205-99-2	Benzo(b)fluoranthene	1	17	2.0	8.7	18	J
207-08-9	Benzo(k)fluoranthene	1	4.9	2.0	8.7	18	J
191-24-2	Benzo(g,h,i)perylene	1	7.7	2.0	8.7	35	J
65-85-0	Benzoic Acid	1	94	73	180	350	J
100-51-6	Benzyl Alcohol	1	18	4.8	18	18	U
101-55-3	4-Bromophenyl Phenyl Ether	1	18	4.2	18	18	U
85-68-7	Butyl Benzyl Phthalate	1	8.7	4.2	18	35	J
86-74-8	Carbazole	1	18	4.2	18	180	U
59-50-7	4-Chloro-3-methylphenol	1	18	5.2	18	18	U
106-47-8	4-Chloroaniline	1	18	9.3	18	70	U
111-91-1	Bis(2-chloroethoxy)methane	1	18	4.3	18	18	U
111-44-4	Bis(2-chloroethyl) Ether	1	18	4.1	18	18	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.7	3.9	8.7	18	U
91-58-7	2-Chloronaphthalene	1	18	5.2	18	18	U
95-57-8	2-Chlorophenol	1	18	4.1	18	18	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	18	4.0	18	18	U
218-01-9	Chrysene	1	16	4.1	18	18	J
53-70-3	Dibenz(a,h)anthracene	1	3.1	2.0	8.7	35	J
132-64-9	Dibenzofuran	1	18	5.1	18	18	U
84-74-2	Di-n-butyl Phthalate	1	70	14	35	70	
106-46-7	1,4-Dichlorobenzene	1	18	5.1	18	18	U
95-50-1	1,2-Dichlorobenzene	1	18	5.7	18	18	U
541-73-1	1,3-Dichlorobenzene	1	18	5.9	18	18	U
91-94-1	3,3´-Dichlorobenzidine	1	700	290	700	870	U
120-83-2	2,4-Dichlorophenol	1	18	4.3	18	35	U
84-66-2	Diethyl Phthalate	1	18	5.1	18	18	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	180	U
131-11-3	Dimethyl Phthalate	1	18	5.0	18	18	U
534-52-1	4,6-Dinitro-2-methylphenol	1	70	22	70	180	U
51-28-5	2,4-Dinitrophenol	1	180	59	180	180	U
606-20-2	2,6-Dinitrotoluene	1	8.7	4.2	8.7	18	U
121-14-2	2,4-Dinitrotoluene	1	8.7	3.4	8.7	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB02-14

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-03 File ID: 1409479-03.D

Sampled: 09/25/14 09:45 Prepared: 10/01/14 07:29 Analyzed: 10/08/14 02:15

Solids: 95.28 Preparation: 3550C Sonication Extract Initial/Final: 30 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	18	4.1	18	18	U
122-66-7	1,2-Diphenylhydrazine	1	8.7	3.5	8.7	18	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	70	12	18	35	**B**
206-44-0	Fluoranthene	1	13	4.7	18	18	**J**
86-73-7	Fluorene	1	18	4.2	18	35	U
118-74-1	Hexachlorobenzene	1	18	5.0	18	18	U
87-68-3	Hexachlorobutadiene	1	18	4.8	18	18	U
67-72-1	Hexachloroethane	1	18	5.3	18	18	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	7.3	2.8	8.7	35	**J**
78-59-1	Isophorone	1	18	4.0	18	18	U
91-57-6	2-Methylnaphthalene	1	15	4.8	18	18	**J**
108-39-4	3+4-Methylphenol	1	8.7	3.9	8.7	18	U
95-48-7	2-Methylphenol	1	8.7	3.7	8.7	18	U
91-20-3	Naphthalene	1	8.0	5.9	18	18	**J**
100-01-6	4-Nitroaniline	1	70	26	70	350	U
88-74-4	2-Nitroaniline	1	8.7	3.8	8.7	18	U
99-09-2	3-Nitroaniline	1	35	17	35	350	U
98-95-3	Nitrobenzene	1	18	4.8	18	18	U
88-75-5	2-Nitrophenol	1	18	4.7	18	18	U
100-02-7	4-Nitrophenol	1	350	110	350	700	U
62-75-9	N-Nitroso-dimethylamine	1	7.0	3.5	7.0	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.7	3.6	8.7	18	U
621-64-7	N-Nitroso-di-n-propylamine	1	18	4.2	18	18	U
87-86-5	Pentachlorophenol	1	18	14	18	180	U
85-01-8	Phenanthrene	1	21	4.3	18	18	
108-95-2	Phenol	1	28	4.1	18	180	**J**
129-00-0	Pyrene	1	20	4.5	18	18	
120-82-1	1,2,4-Trichlorobenzene	1	18	4.6	18	18	U
95-95-4	2,4,5-Trichlorophenol	1	18	4.7	18	18	U
88-06-2	2,4,6-Trichlorophenol	1	8.7	2.7	8.7	18	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	700	524	75	33 - 113	
Phenol-d6	700	556	80	30 - 115	
Nitrobenzene-d5	350	287	82	33 - 131	
2-Fluorobiphenyl	350	297	85	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB02-14

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-03 File ID: 1409479-03.D

Sampled: 09/25/14 09:45 Prepared: 10/01/14 07:29 Analyzed: 10/08/14 02:15

Solids: 95.28 Preparation: 3550C Sonication Extract Initial/Final: 30 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	700	613	88	12 - 124	
o-Terphenyl	350	302	86	20 - 155	

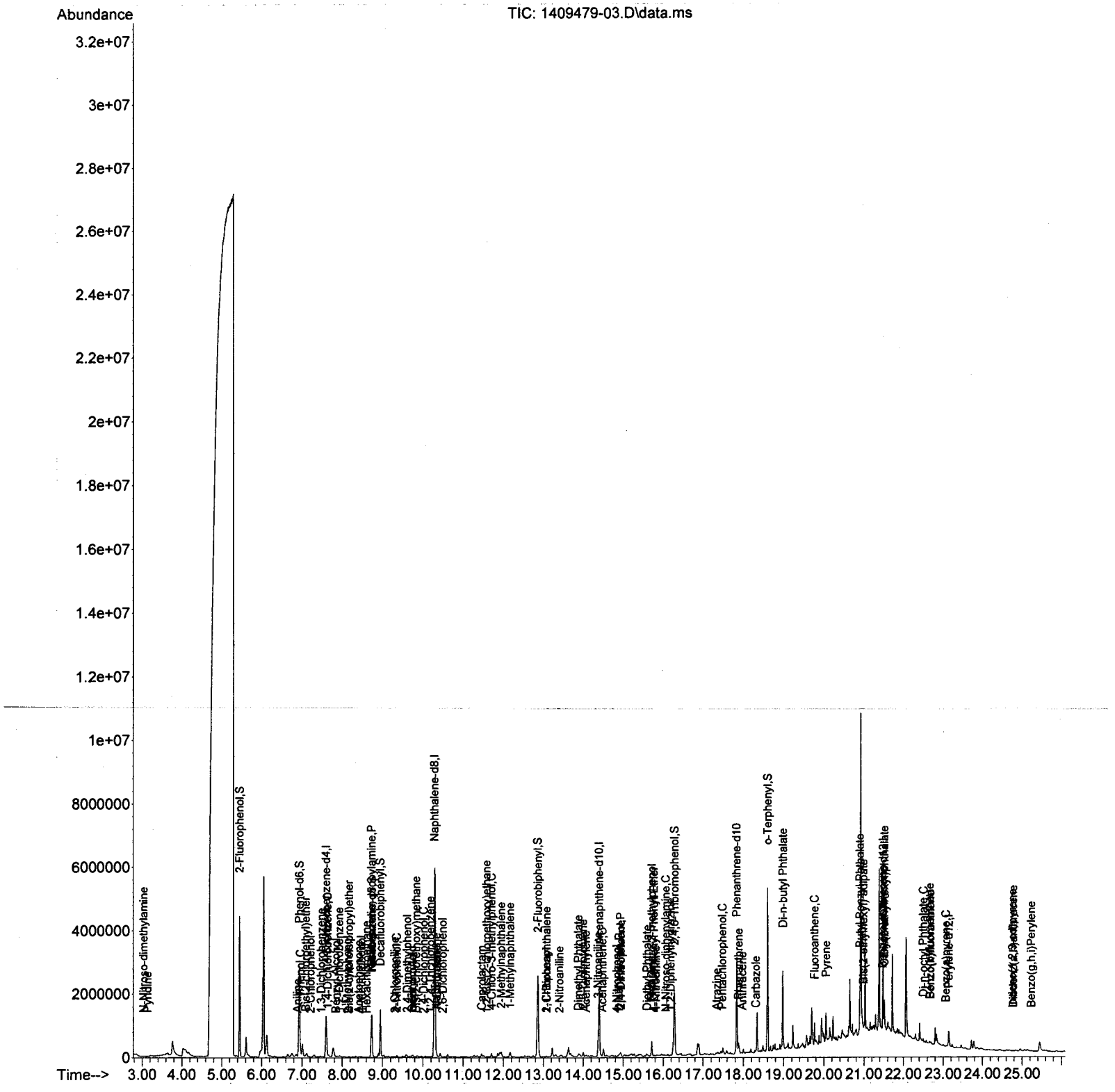
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	460359	7.596	403279	7.614	
Naphthalene-d8	1716087	10.289	1529030	10.359	
Acenaphthene-d10	1054469	14.398	866604	14.474	
Phenanthrene-d10	1731597	17.837	1400442	17.901	
Chrysene-d12	895006	21.486	1153654	21.538	
Perylene-d12	294816	23.147	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:39:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:39:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.596	152	460359	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.289	136	1716087	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	1054469	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.837	188	1731597	5.00	ng/uL	0.00
81) Chrysene-d12	21.486	240	895006	5.00	ng/uL	# 0.00
89) Perylene-d12	23.147	264	294816 low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.451	112	1576419m	14.99	ng/uL	0.31
6) Phenol-d6	6.938	99	2165506	15.90	ng/uL	0.08
21) Nitrobenzene-d5	8.739	82	900590	8.21	ng/uL	0.01
23) Decafluorobiphenyl	8.948	334	655246	8.52	ng/uL	0.00
47) 2-Fluorobiphenyl	12.865	172	1853014	8.50	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.287	330	460414	17.53	ng/uL	0.00
78) o-Terphenyl	18.607	230	1281438	8.63	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.038	74	1678	0.02	ng/uL	83
3) Pyridine	3.137	79	1641	0.01	ng/uL#	14
5) Aniline	6.891	93	439	0.23	ng/uL#	33
7) Phenol	6.961	94	124678	0.81	ng/uL#	41
8) Bis(2-chloroethyl)ether	7.095	93	764	0.01	ng/uL#	61
9) 2-Chlorophenol	7.206	128	222	0.00	ng/uL#	6
10) 1,3-Dichlorobenzene	7.474	146	2388	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.631	146	2214	0.02	ng/uL#	1
12) 1,2-Dichlorobenzene	7.923	146	9145	0.07	ng/uL#	28
13) Bis(2-chloroisipropyl)...	8.167	45	324	0.00	ng/uL#	51
14) Benzyl Alcohol	7.841	108	203	0.00	ng/uL#	25
15) 2-Methylphenol	8.132	108	363	0.00	ng/uL#	49
16) Acetophenone	8.412	105	12166	0.07	ng/uL#	61
17) Hexachloroethane	8.605	119	6354	~~0.13~~ ps	ng/uL#	10
18) 4-Methylphenol	8.476	108	1580	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.733	70	144018	~~1.74~~ n	ng/uL#	9
22) Nitrobenzene	8.733	77	5203	0.04	ng/uL#	1
24) Isophorone	9.747	82	552	0.00	ng/uL	94
25) 2-Chloroaniline	9.304	127	372	0.00	ng/uL#	1
26) 2-Nitrophenol	9.351	139	62	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.613	107	609	0.01	ng/uL#	46
28) Bis(2-chlorethoxy)methane	9.834	93	868	0.01	ng/uL	88
29) 2,4-Dichlorophenol	10.021	162	144	0.00	ng/uL#	26
30) Benzoic Acid	9.735	105	22316m	2.69	ng/uL	
31) 1,2,4-Trichlorobenzene	10.184	180	1634	0.02	ng/uL	98
32) Naphthalene	10.336	128	79181	0.23	ng/uL	95
33) 4-Chloroaniline	10.336	127	7783	0.09	ng/uL#	72
34) 2,6-Dichlorophenol	10.487	162	198	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.461	55	43816	0.89	ng/uL#	43
37) 1,2-Bis(2-chloroethoxy...	11.583	63	120	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.705	107	4448	0.05	ng/uL#	1
39) 2-Methylnaphthalene	11.950	142	93233	0.43	ng/uL	100
40) 1-Methylnaphthalene	12.172	142	85551	0.43	ng/uL	99
41) 1,3 Dinitrobenzene	13.874	168	62	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:39:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.081	162	834	0.00	ng/uL#	1
49) 1,1'-Biphenyl	13.081	154	15887	0.06	ng/uL	97
50) 2-Nitroaniline	13.402	138	185	0.00	ng/uL#	1
51) Acenaphthylene	14.066	152	4749	0.01	ng/uL#	59
52) 2,6-Dinitrotoluene	13.996	165	1721	0.03	ng/uL#	49
53) Dimethyl Phthalate	13.880	163	15859	0.07	ng/uL#	40
54) 3-Nitroaniline	14.369	138	389	0.01	ng/uL#	56
55) Acenaphthene	14.474	153	1287	0.01	ng/uL#	51
56) 2,4-Dinitrophenol	14.934	184	171	~~2.84~~	ng/uL#	1
57) Dibenzofuran	14.894	168	36479	0.13	ng/uL	99
58) 4-Nitrophenol	14.841	65	1074	0.02	ng/uL#	68
59) 2,4-Dinitrotoluene	14.940	165	2923	0.04	ng/uL#	43
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.710	166	7622	0.03	ng/uL#	36
63) Diethyl Phthalate	15.599	149	19988	0.09	ng/uL	100
64) 4-Chlorophenyl Phenyl ...	15.768	204	121	0.00	ng/uL#	1
65) 4-Nitroaniline	15.809	138	199	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.716	198	235	~~0.99~~	ng/uL#	1
68) N-Nitroso-diphenylamine	16.065	169	8636	0.05	ng/uL#	45
69) 1,2-Diphenylhydrazine	16.188	182	5667	0.08	ng/uL#	16
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.336	200	387	0.01	ng/uL	92
74) Pentachlorophenol	17.476	266	1352	0.04	ng/uL#	1
75) Phenanthrene	17.884	178	196554	0.59	ng/uL	99
76) Anthracene	17.977	178	5997	0.02	ng/uL#	16
77) Carbazole	18.309	167	10989	0.04	ng/uL#	66
79) Di-n-butyl Phthalate	18.985	149	669385	2.01	ng/uL	99
80) Fluoroanthene	19.766	202	117791	0.37	ng/uL	98
82) Pyrene	20.058	202	120003	0.57	ng/uL#	83
83) Butyl Benzyl Phthalate	20.897	149	20709m	0.25	ng/uL	
84) Bis(2-ethylhexyl) adipate	20.990	129	5389	0.13	ng/uL#	100
85) Benzo(a)anthracene	21.474	228	30769	0.19	ng/uL#	83
86) Chrysene	21.515	228	72486	0.45	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.521	149	213751	1.99	ng/uL#	88
88) Di-n-octyl Phthalate	22.506	149	165092	~~1.18~~	ng/uL#	76
90) Benzo(b)fluoroanthene	22.663	252	25476m	0.48	ng/uL	
91) Benzo(k)fluoranthene	22.681	252	8385m	0.14	ng/uL	
92) Benzo(a)pyrene	23.071	252	9723	0.19	ng/uL#	75
93) Indeno(1,2,3-cd)pyrene	24.756	276	9291	0.21	ng/uL	92
94) Dibdenz(a,h)anthracene	24.779	278	3215	0.09	ng/uL#	90
95) Benzo(g,h,i)Perylene	25.234	276	8130	0.22	ng/uL#	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 07:50:50 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

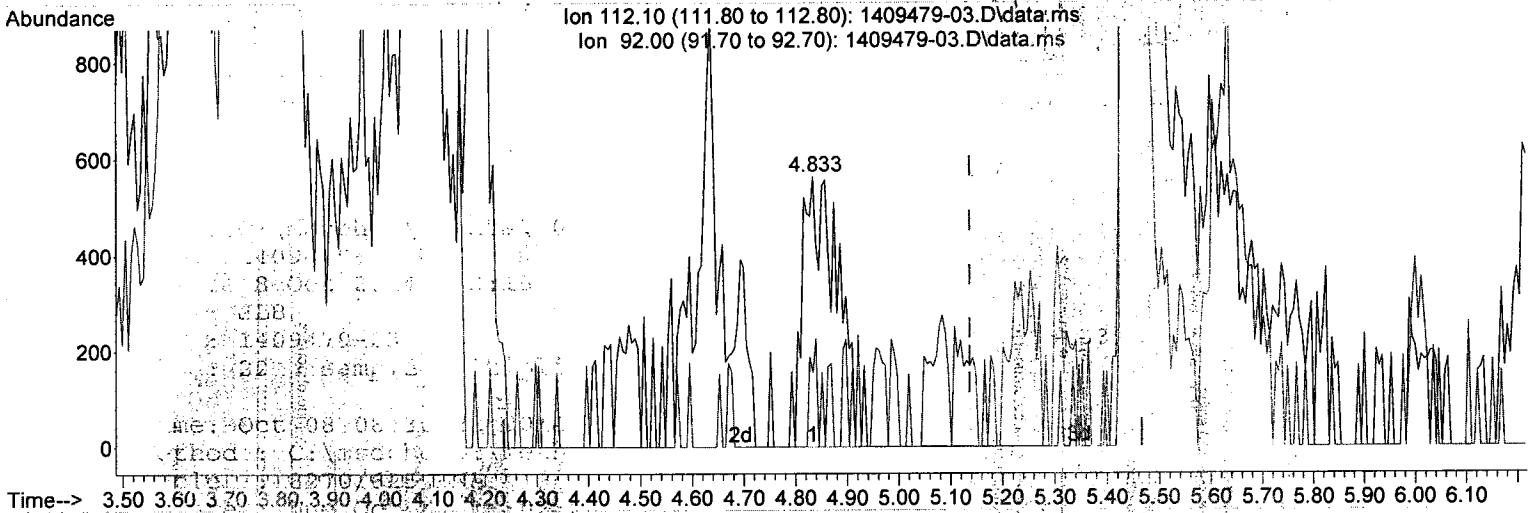
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.596	152	453433	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.289	136	1716087	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.398	164	1051021	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.837	188	1733392	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	895006	5.00	ng/uL	#	0.00
22) Perylene-d12	23.147	264	298266	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.236	74	928	0.01	ng/uL	#	43
3) Pyridine	2.852	79	1352	0.01	ng/uL		91
4) Aniline	6.891	93	439	0.00	ng/uL	#	33
5) Benzaldehyde	6.728	105	12599	0.13	ng/uL	#	84
6) Acetophenone	8.412	105	12166	0.07	ng/uL	#	61
7) N-Nitroso-di-n-propyla...	8.436	70	2284	0.03	ng/uL		81
9) 4-Chloroaniline	10.884	127	702	0.02	ng/uL		86
10) Caprolactam	11.280	55	10756	0.29	ng/uL	#	58
12) 1,1'-Biphenyl	13.081	154	15887	0.05	ng/uL		97
13) 2-Nitroaniline	13.402	138	185	0.01	ng/uL	#	1
14) 3-Nitroaniline	14.369	138	389	Below Cal		#	56
15) 4-Nitroaniline	15.809	138	199	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.065	169	8636	0.04	ng/uL	#	45
18) Atrazine	17.336	200	387	Below Cal		#	92
20) Benzidine	0.000		0	N.D.			
21) 3,3'-Dichlorobenzidine	21.474	252	441	0.01	ng/uL	#	58

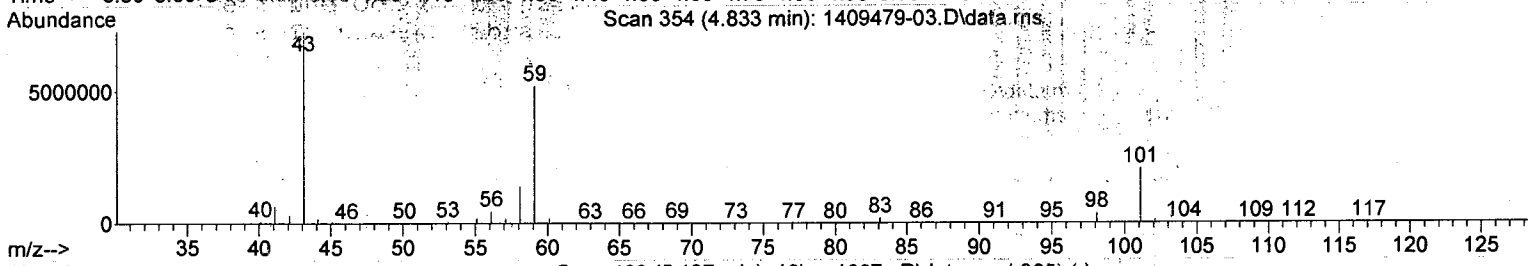
(#) = qualifier out of range (m) = manual integration (+) = signals summed

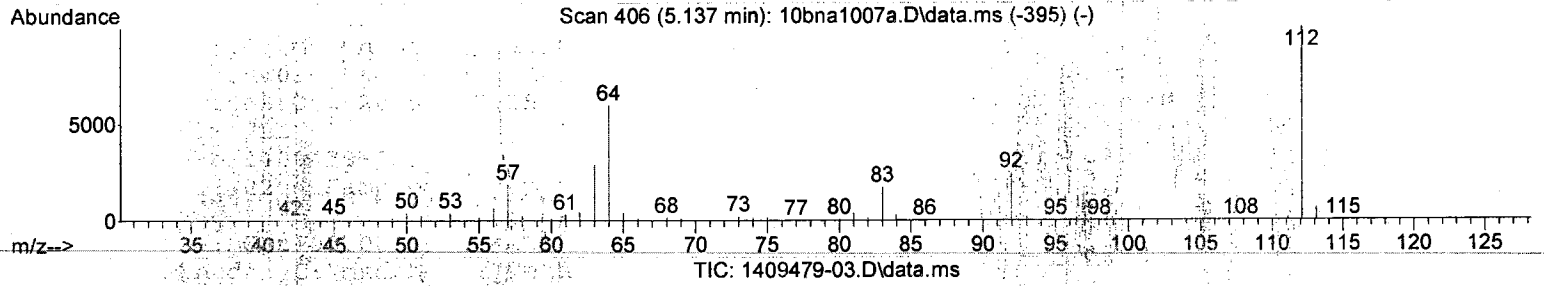
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(4) 2-Fluorophenol (S)

4.833min (-0.303) 0.02 ng/uL

response 2593

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	7.64#
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/9/14

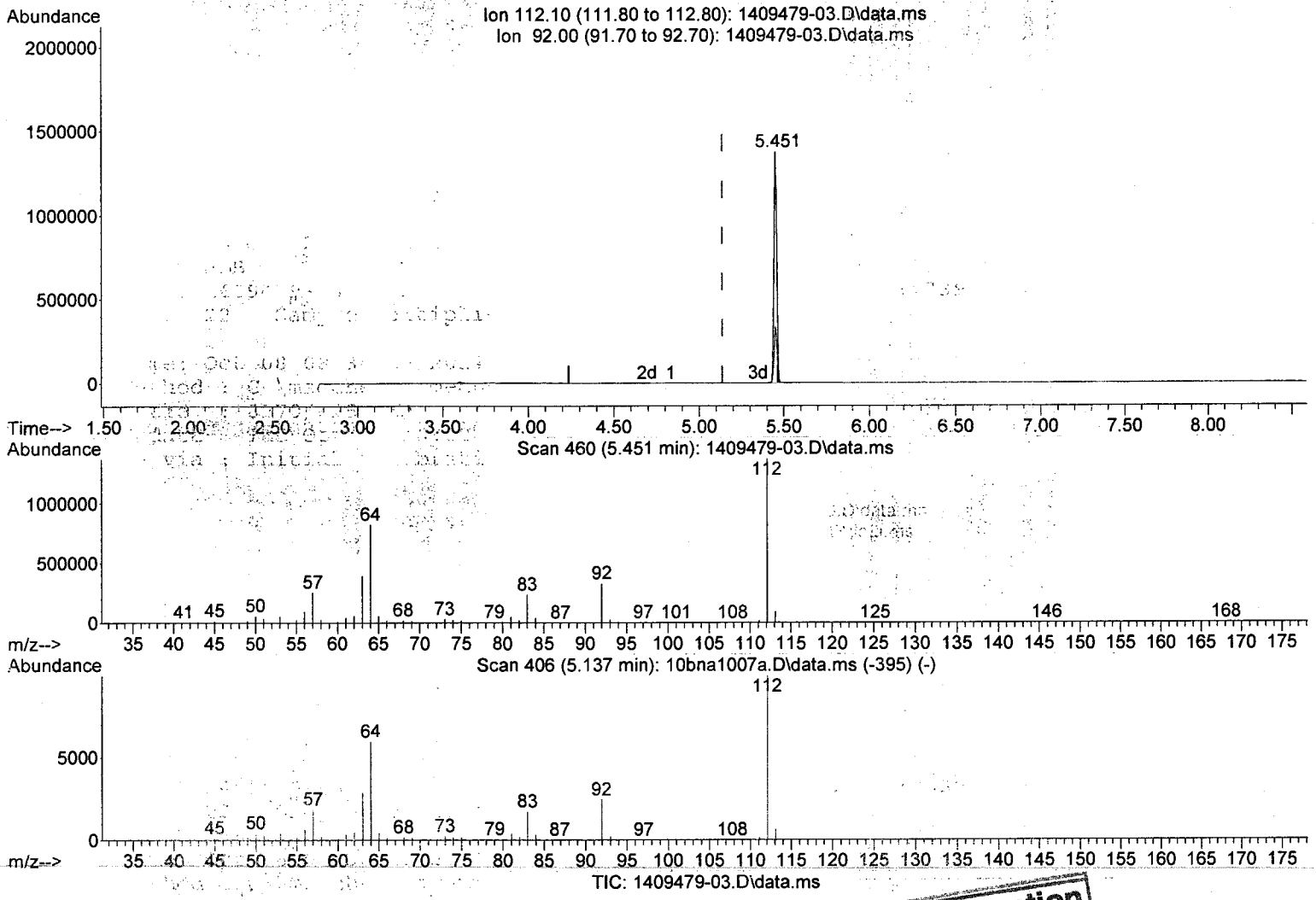
DWS 10-17-14

002574

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-03.D\data.ms

(4) 2-Fluorophenol (S)

5.451min (+ 0.315) 14.99 ng/uL m

response 1576419

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.01#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No Date: 10/9/14

Analyst: JLB Date: 10-17-14

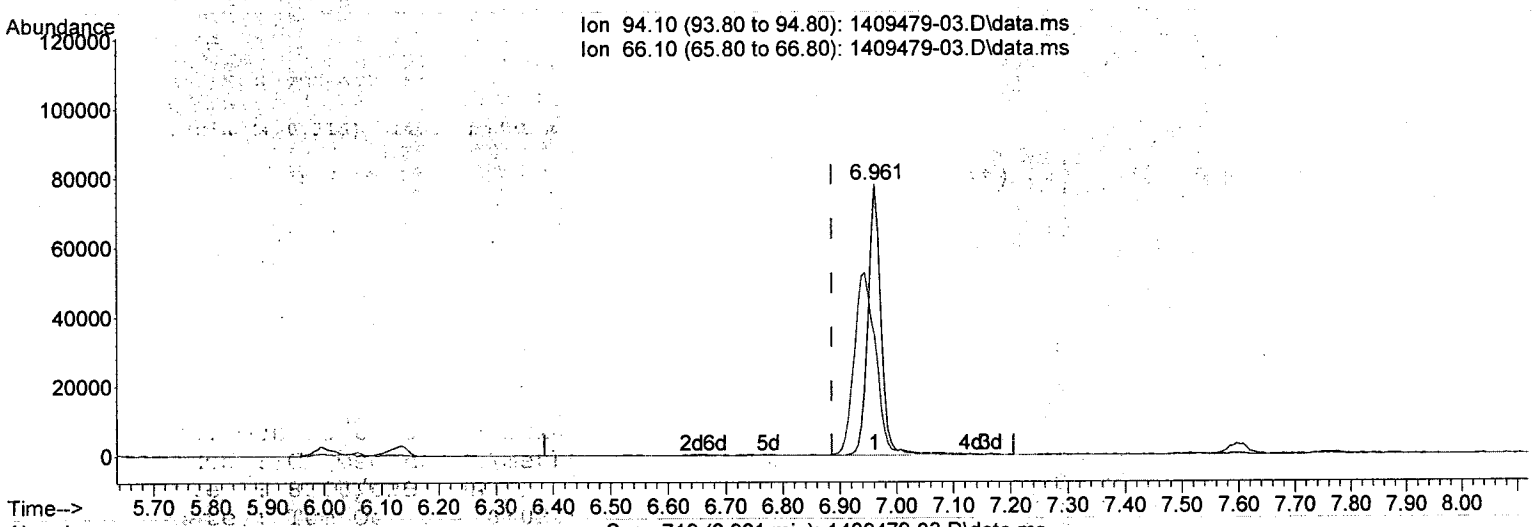
Reviewed By: DWS

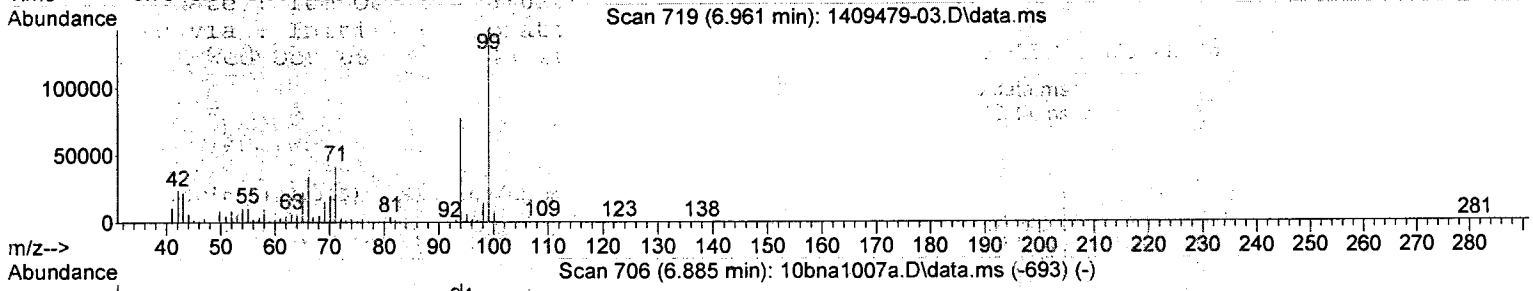
002575

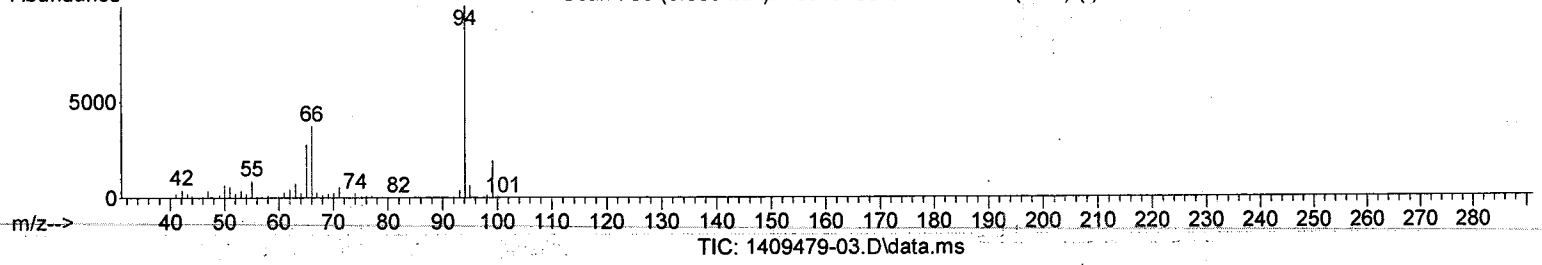
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(7) Phenol (C)

6.961min (+ 0.076) 0.81 ng/uL

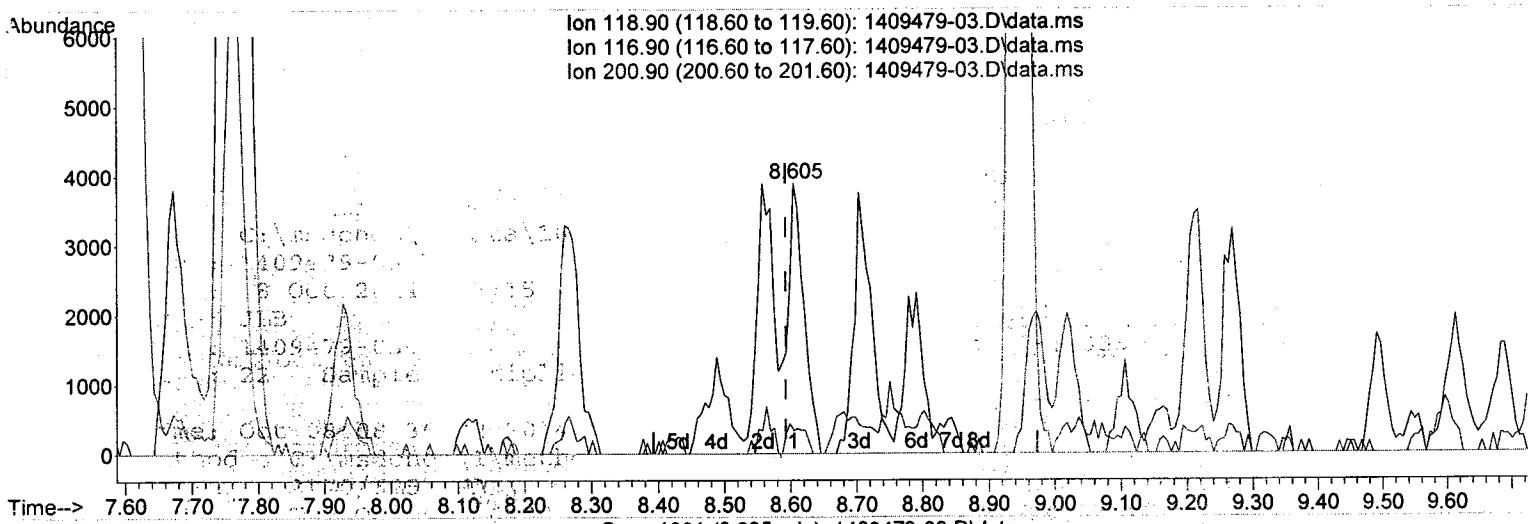
response 124678

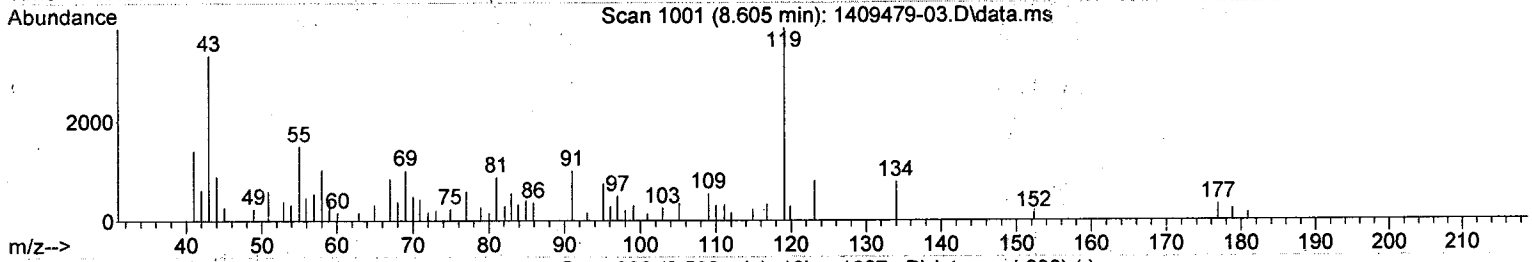
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	111.34#
0.00	0.00	0.00
0.00	0.00	0.00

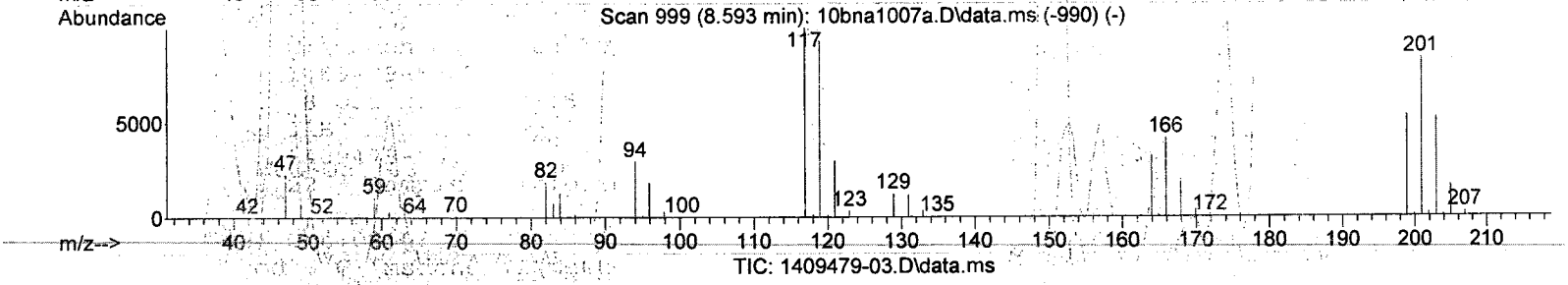
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(17) Hexachloroethane

8.605min (+ 0.012) 0.13 ng/uL

response 6354

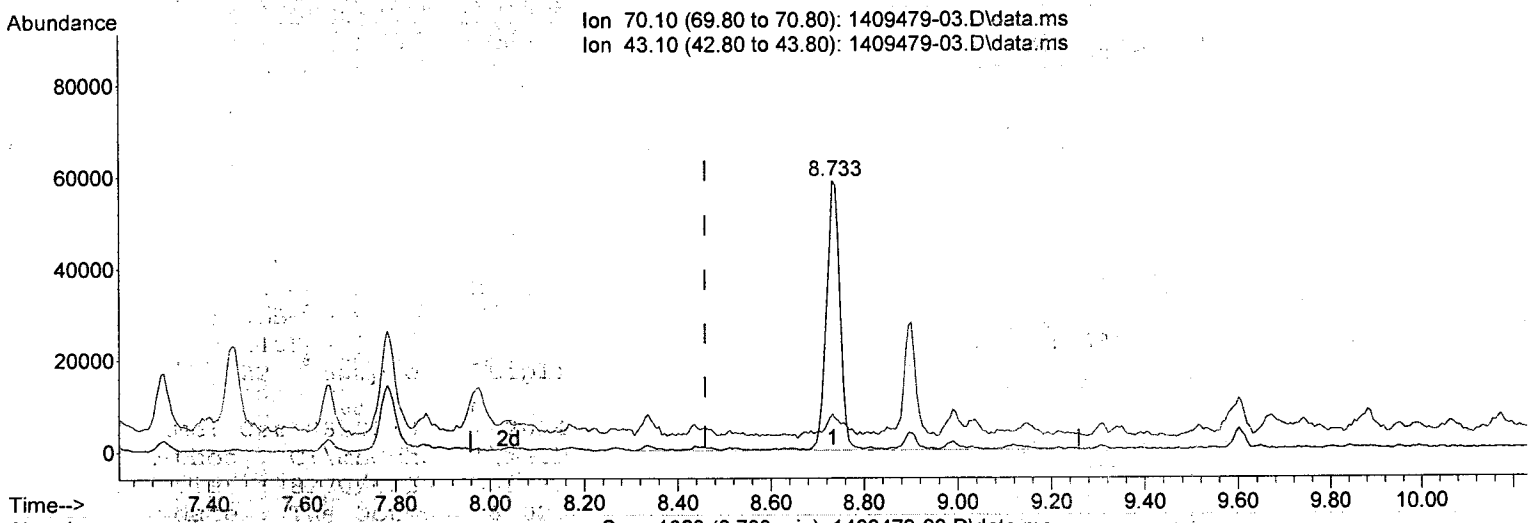
Ion	Exp%	Act%
118.90	100.00	100.00
116.90	100.10	12.31#
200.90	85.90	0.00#
0.00	0.00	0.00

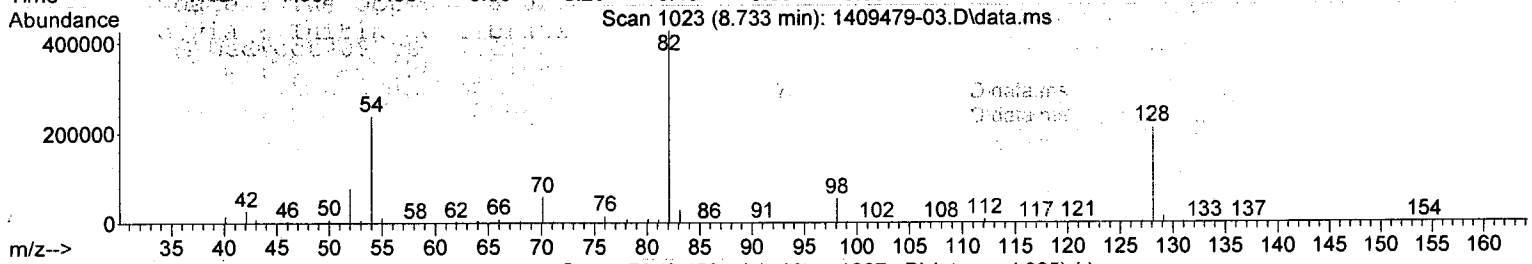
PS

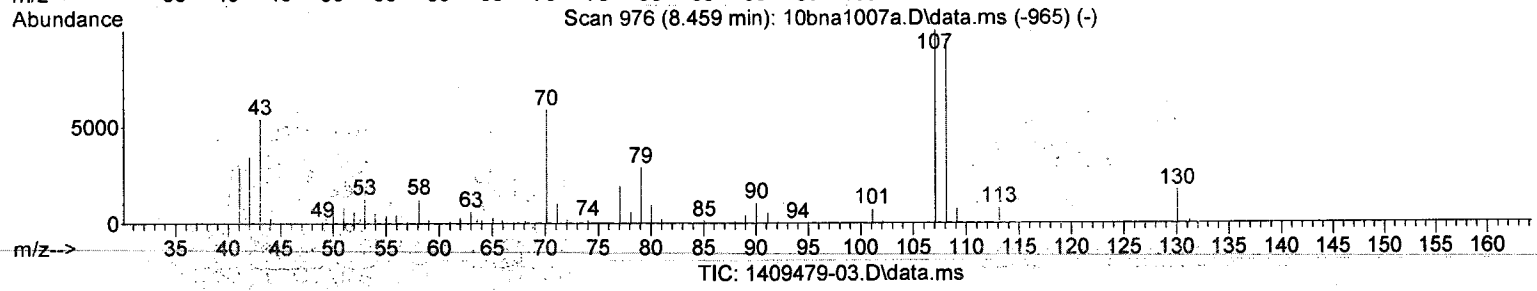
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(19) N-Nitroso-di-n-propylamine (P)

8.733min (+ 0.274) 1.74 ng/uL

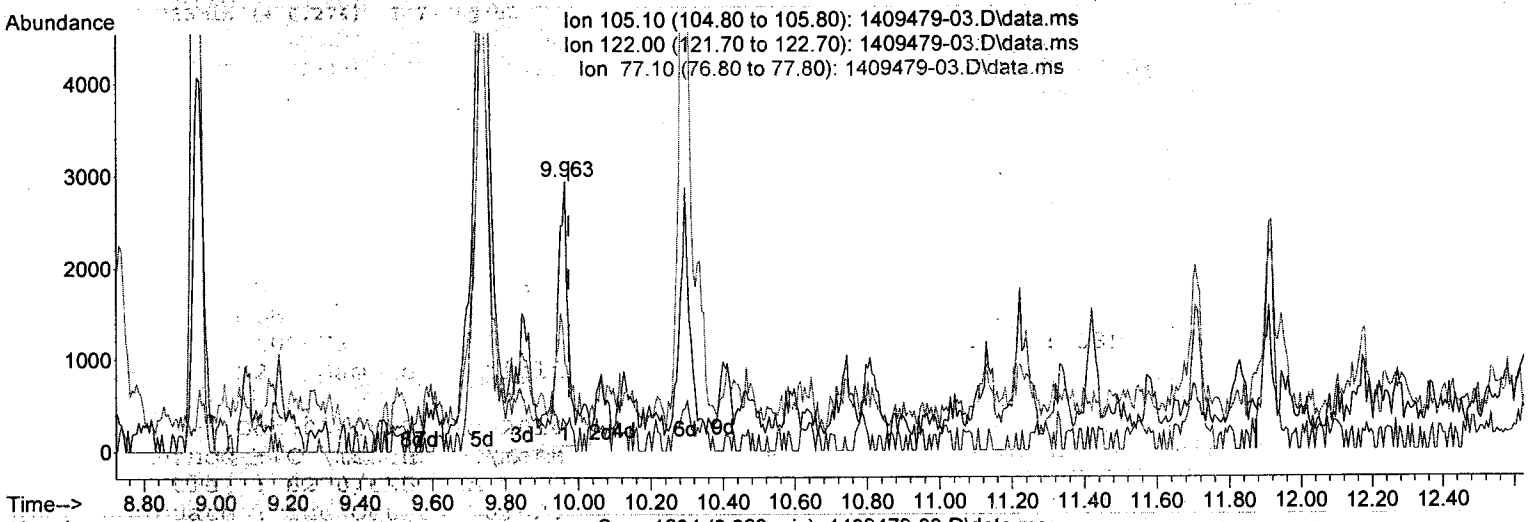
response 144018

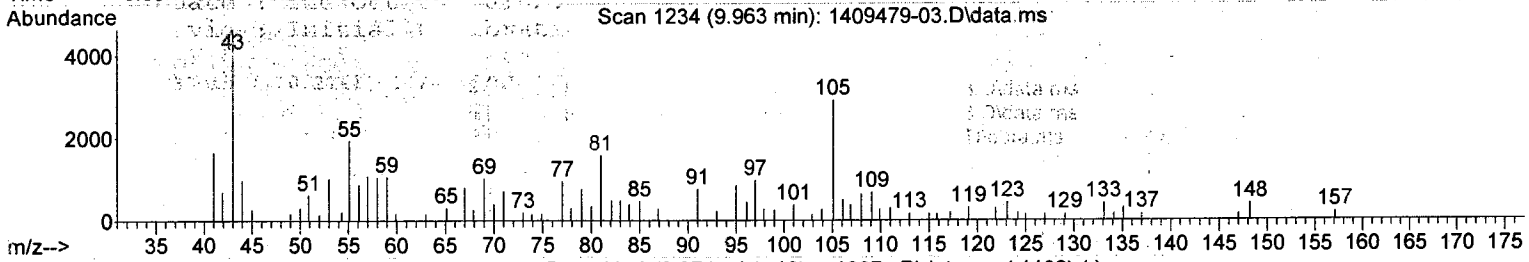
Ion	Exp%	Act%
70.10	100.00	100.00
43.10	98.40	7.93#
0.00	0.00	0.00
0.00	0.00	0.00

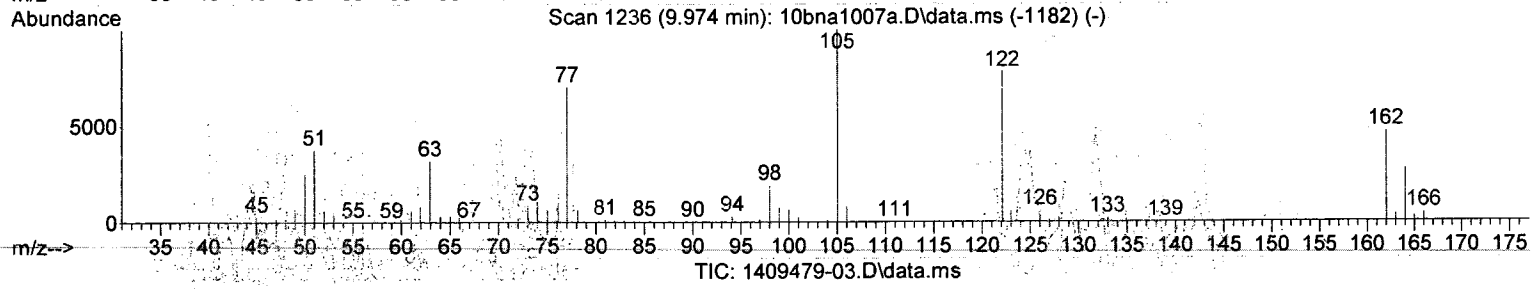
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(30) Benzoic Acid

9.963min (-0.012) 2.52 ng/uL

response 6255

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	46.60#
0.00	0.00	0.00

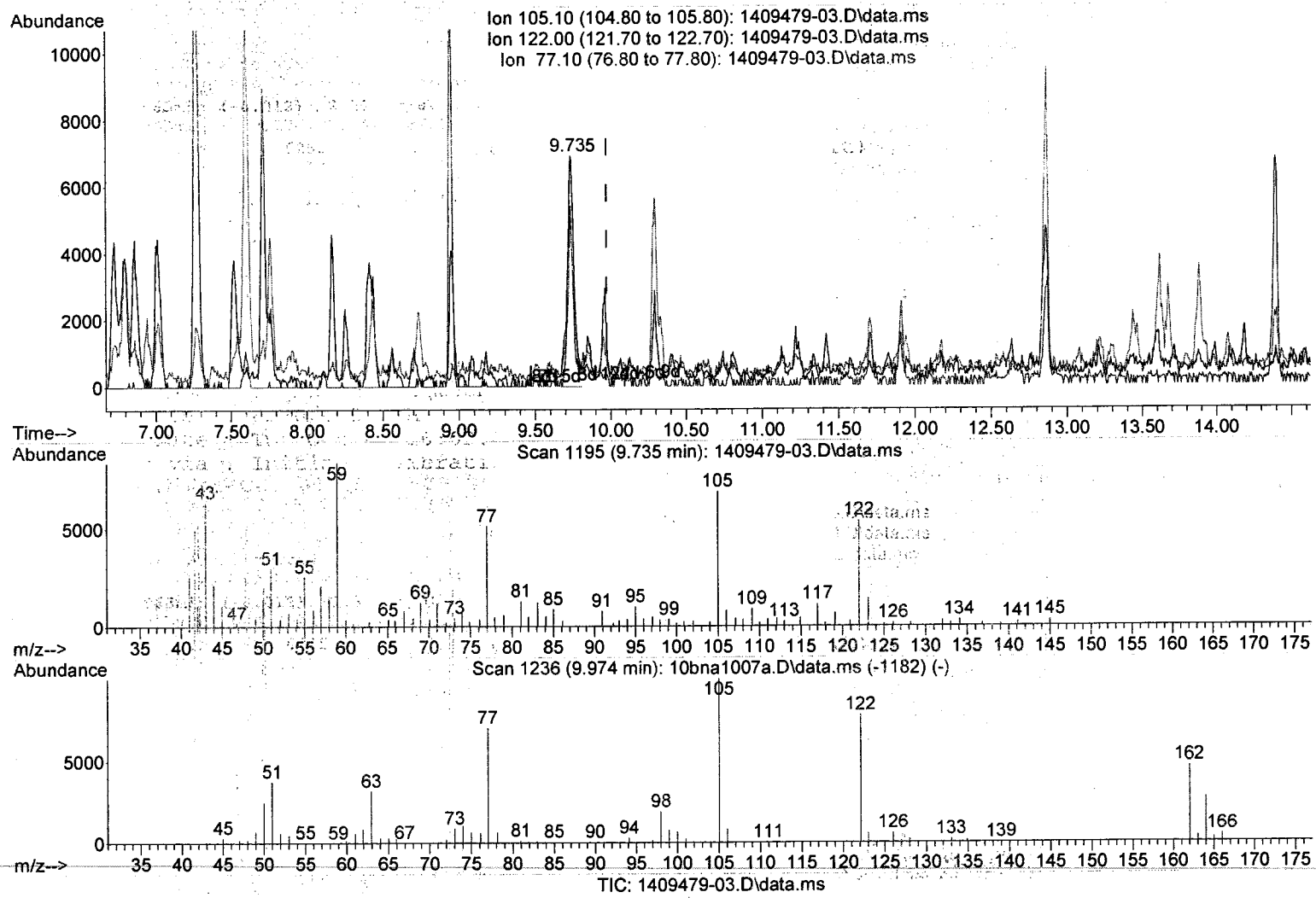
JLB 10/9/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.735min (-0.239) 2.69 ng/uL m

response 22316

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	13.06#
0.00	0.00	0.00

Manual Integration Explanation

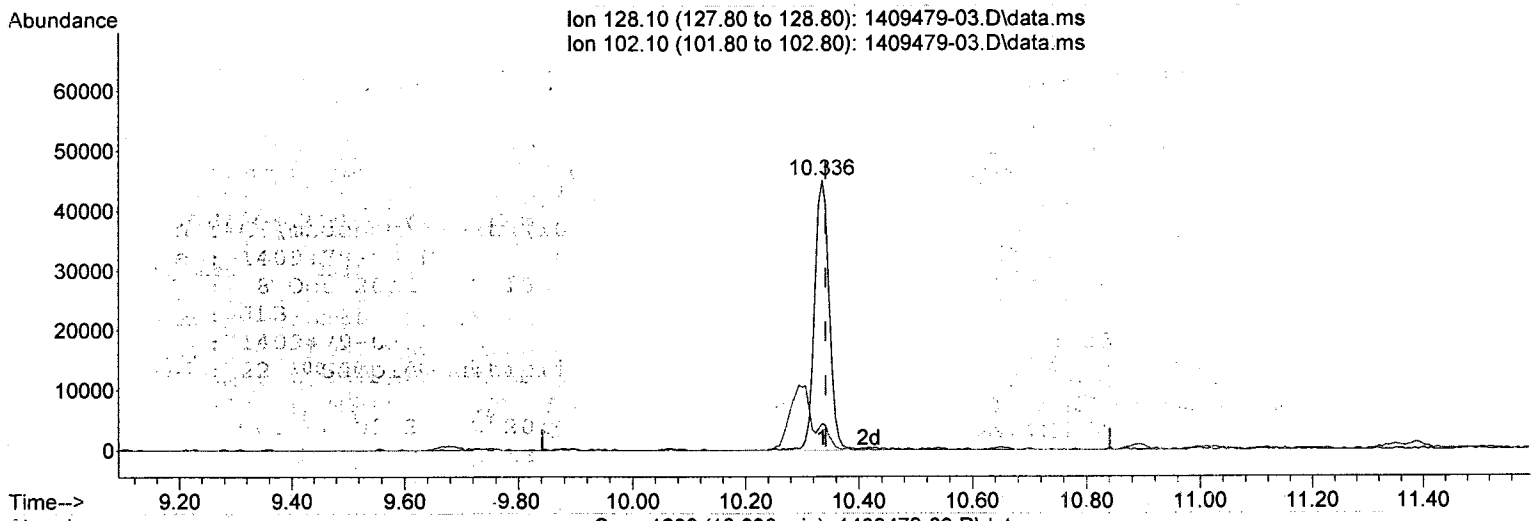
Reason 1: Incorrect peak integrated by the software.

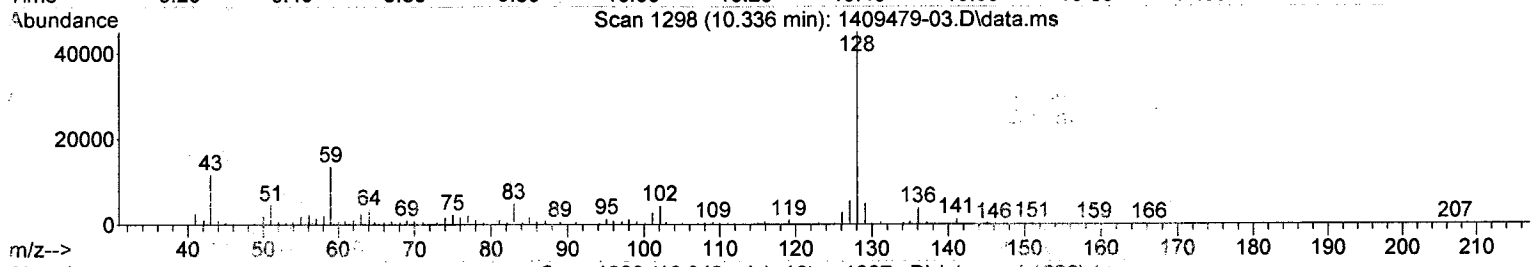
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 10/9/14
Reviewed By: DWG Date: 10-17-14

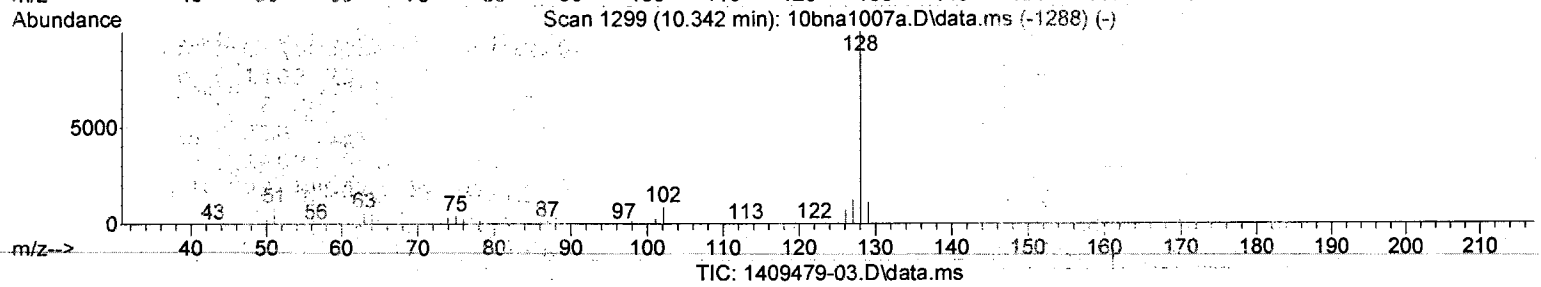
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(32) Naphthalene

10.336min (-0.006) 0.23 ng/uL

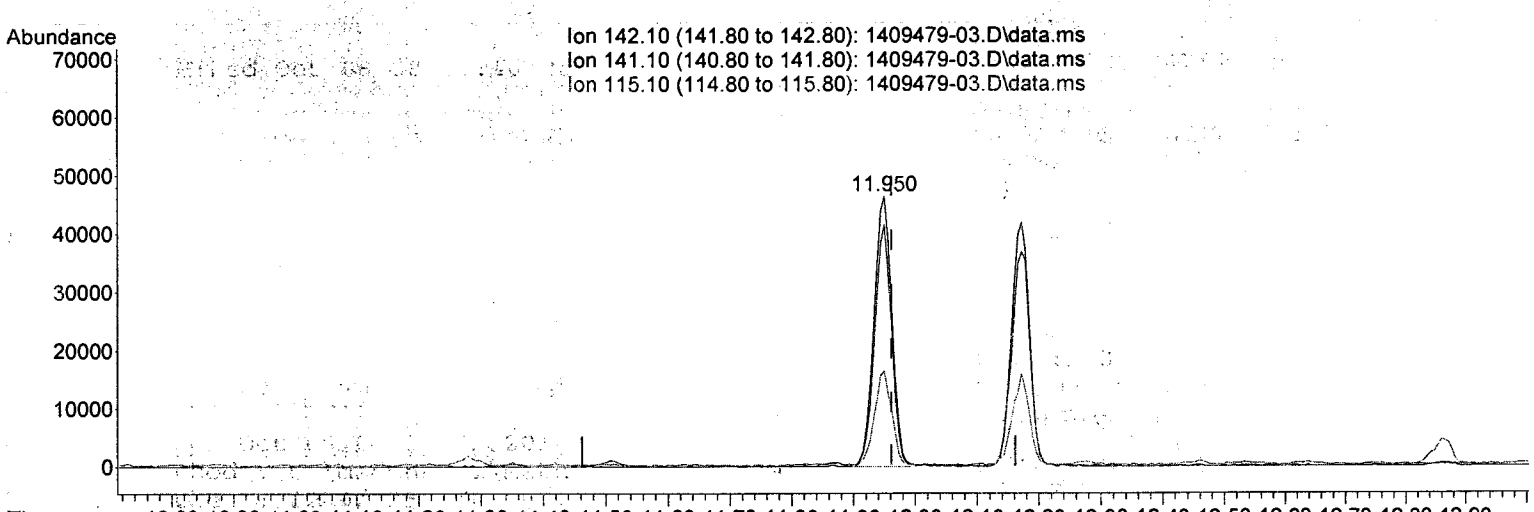
response 79181

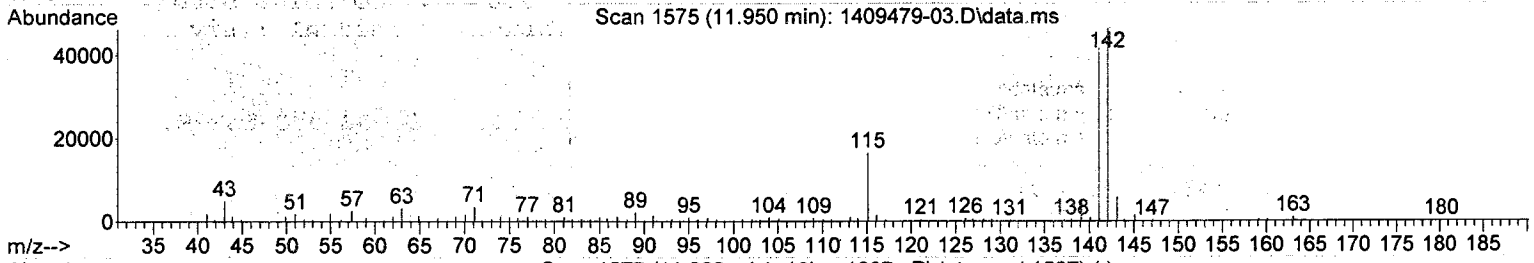
Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	7.62
0.00	0.00	0.00
0.00	0.00	0.00

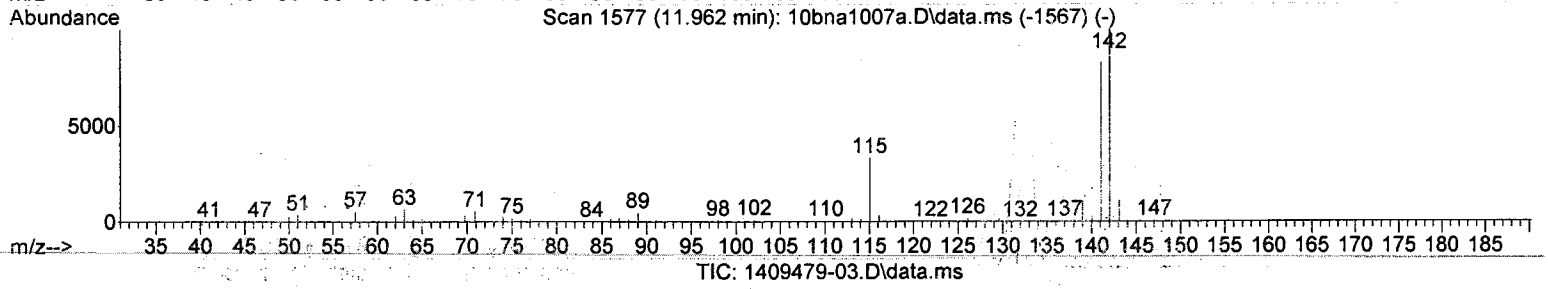
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(39) 2-Methylnaphthalene

11.950min (-0.012) 0.43 ng/uL

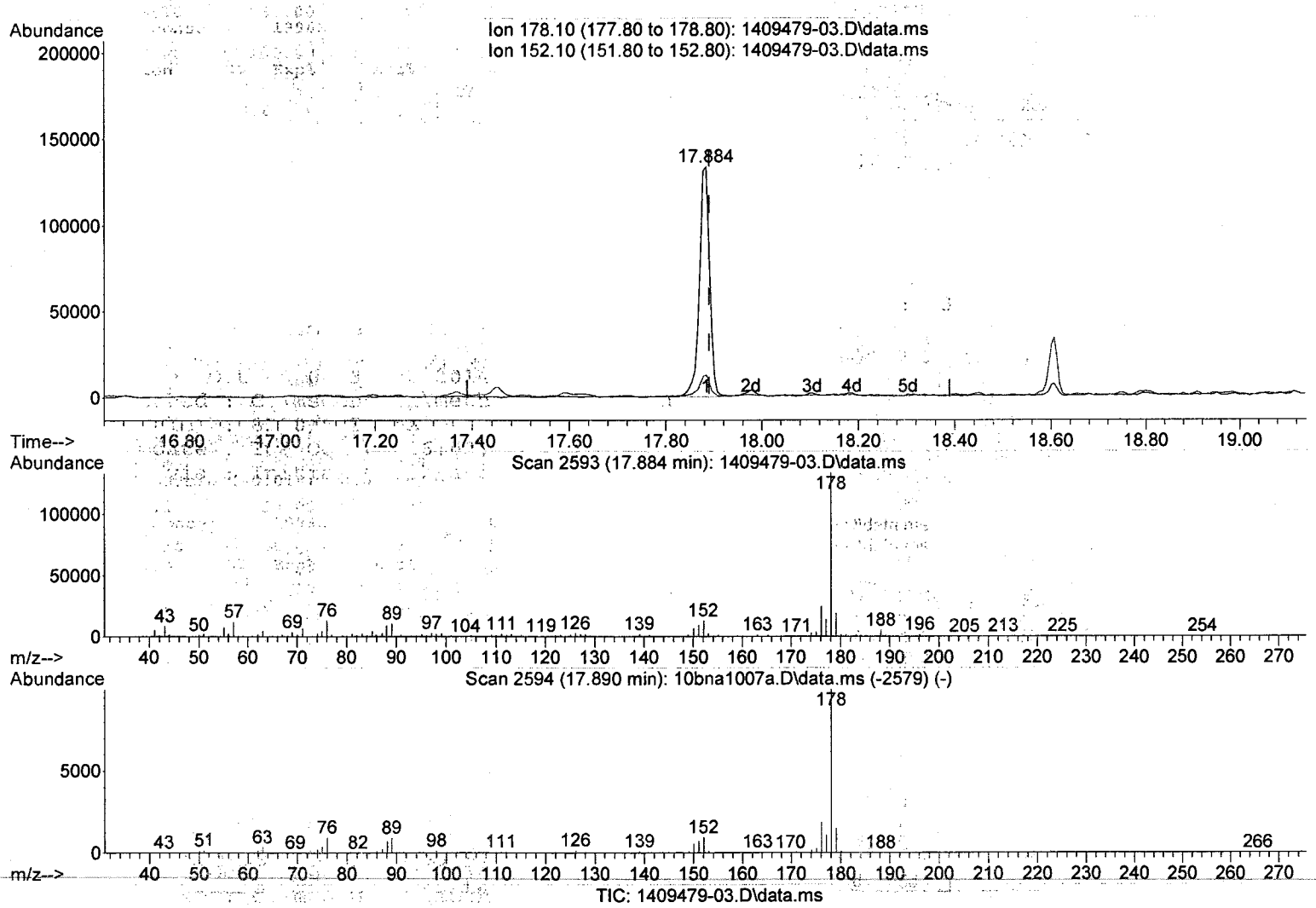
response 93233

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	85.24
115.10	33.50	33.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(75) Phenanthrene

17.884min (-0.006) 0.59 ng/uL

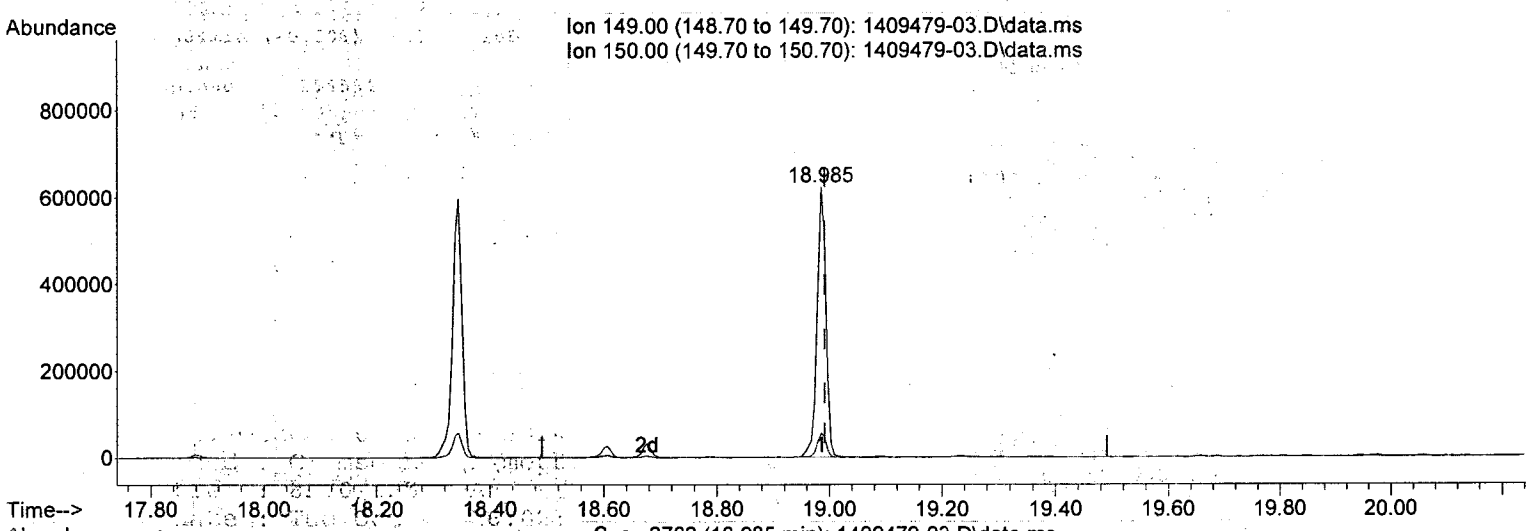
response 196554

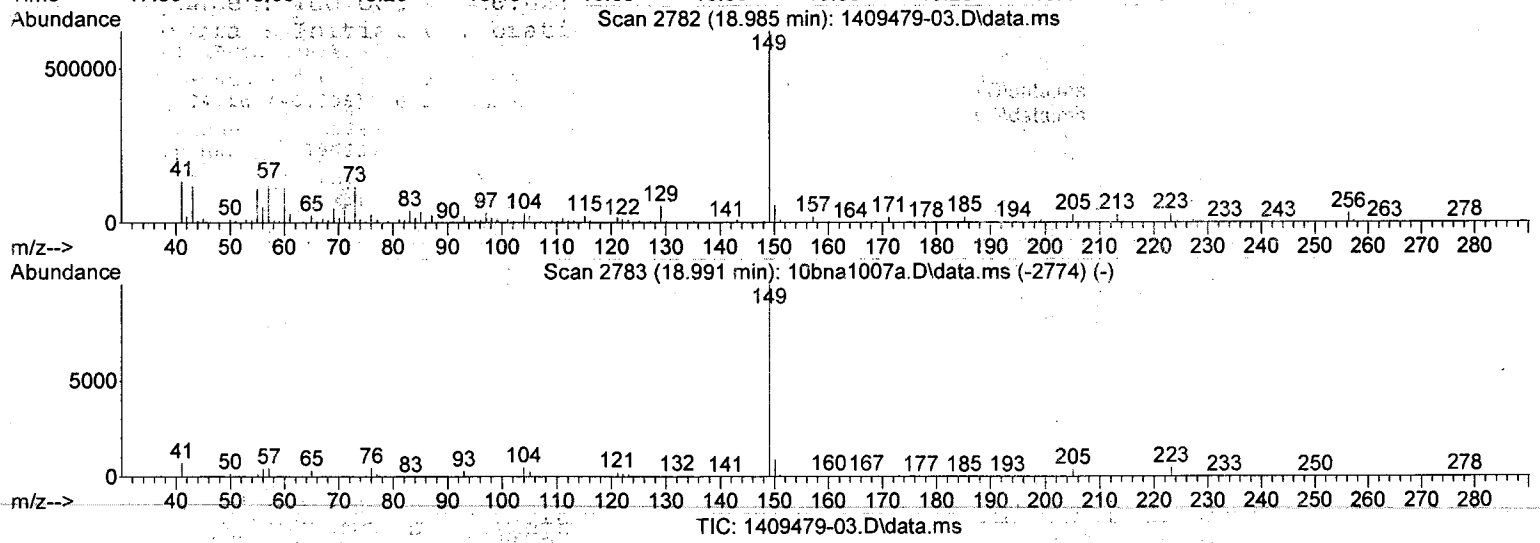
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	9.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration





TIC: 1409479-03.D\data.ms

(79) Di-n-butyl Phthalate

18.985min (-0.006) 2.01 ng/uL

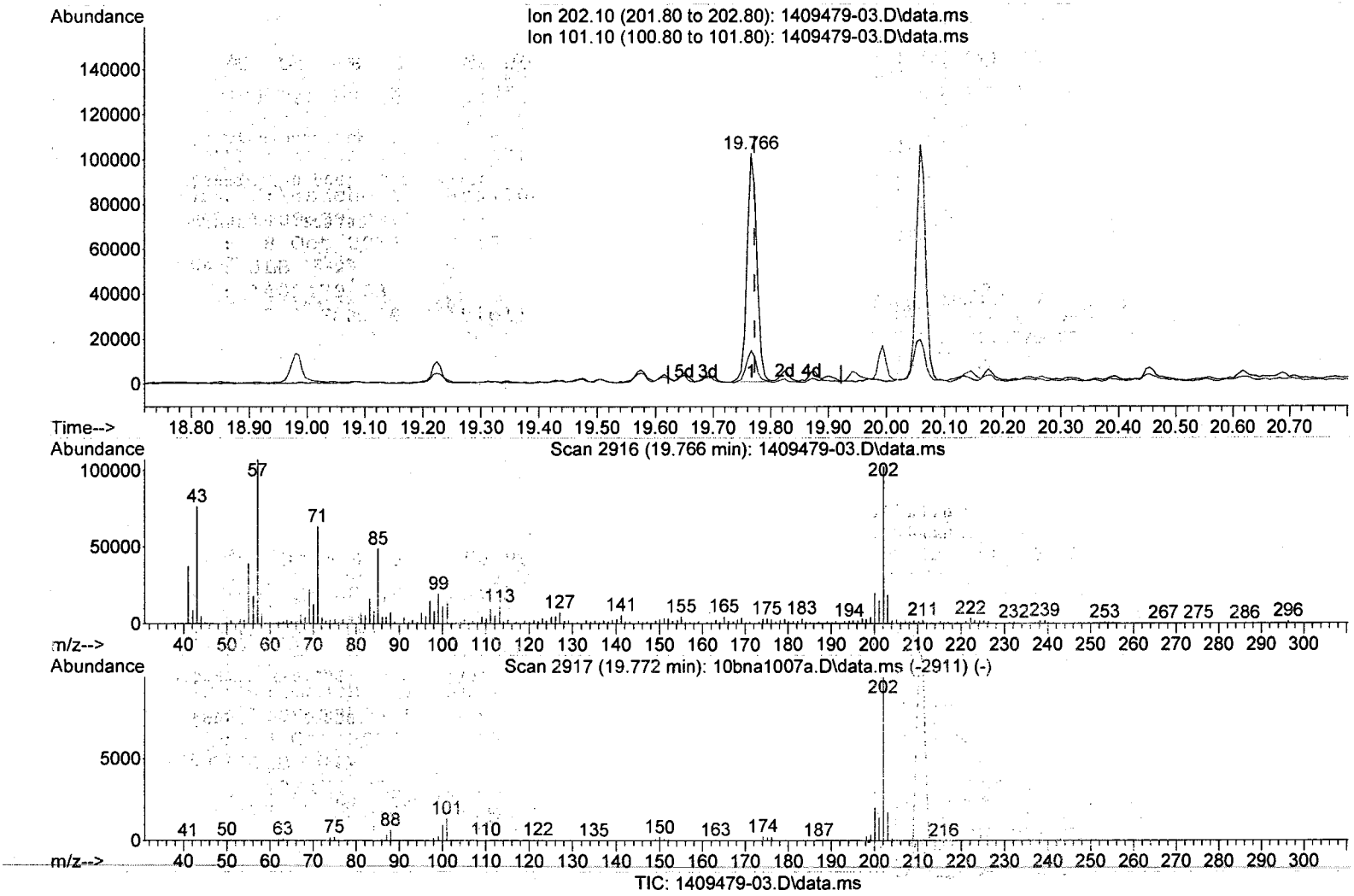
response 669385

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(80) Fluoroanthene (C)

19.766min (-0.006) 0.37 ng/uL

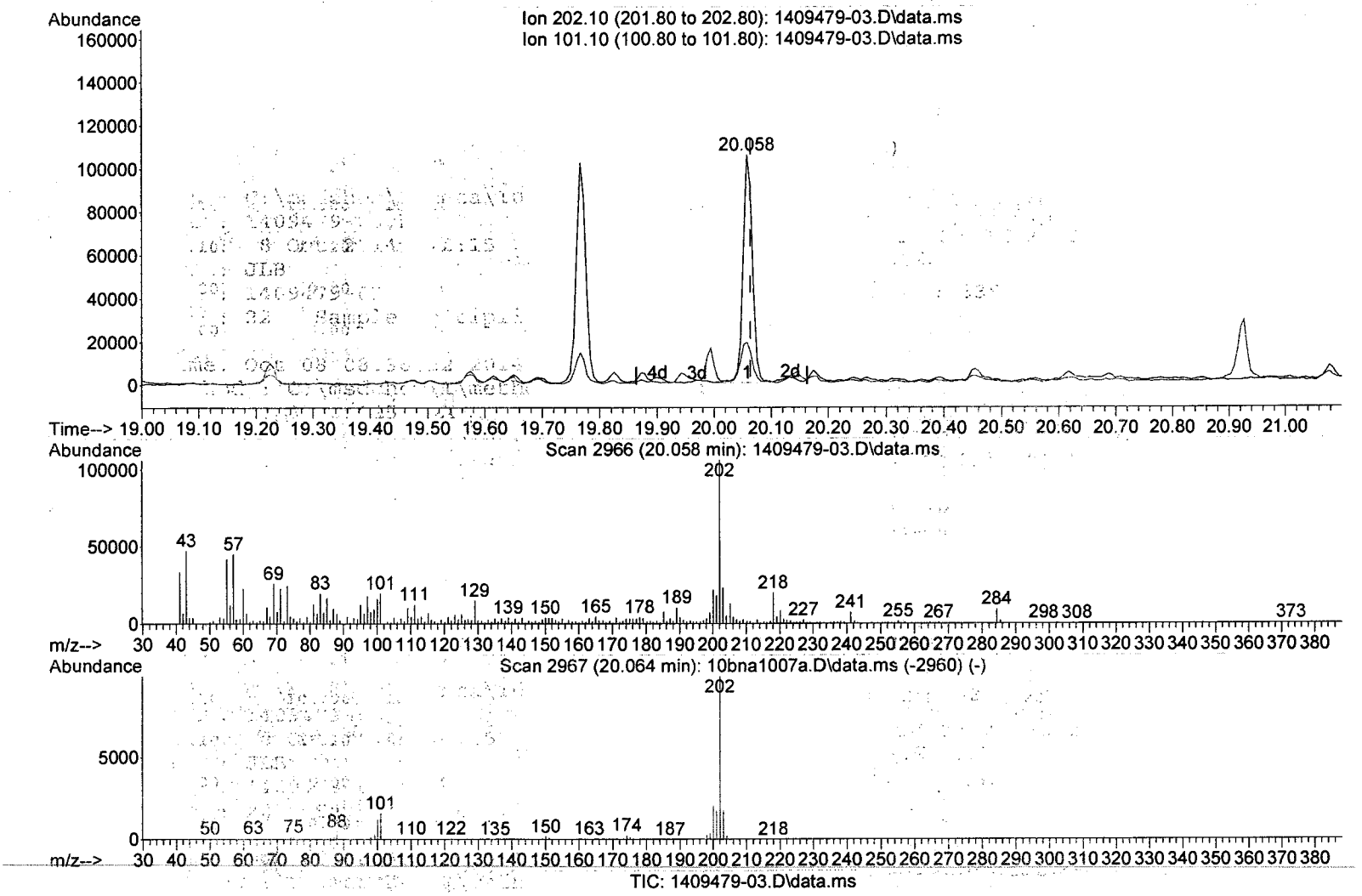
response 117791

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	15.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(82) Pyrene

20.058min (-0.006) 0.57 ng/uL

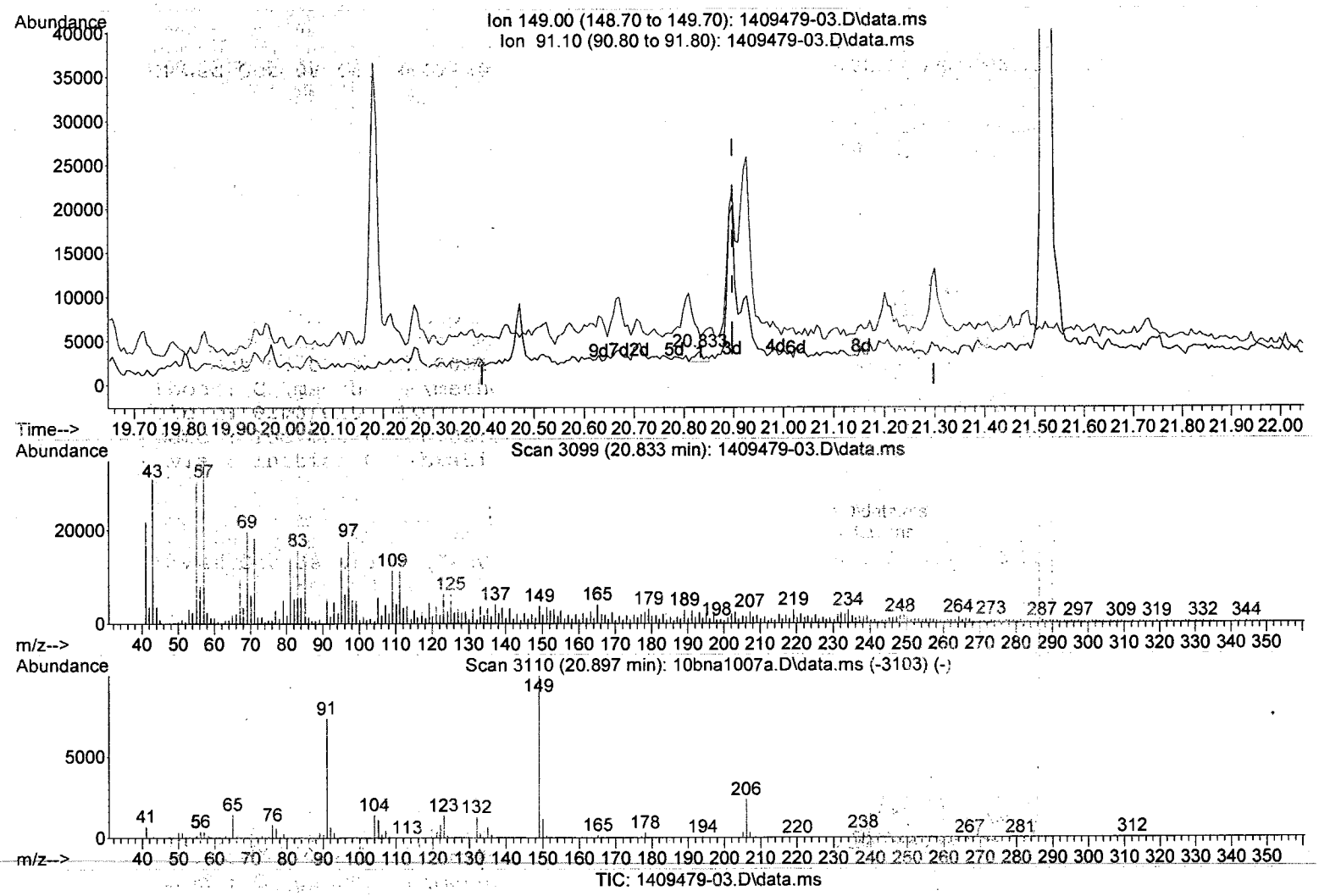
response 120003

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	23.28#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-03.D\data.ms

(83) Butyl Benzyl Phthalate

20.833min (-0.064) 0.02 ng/uL

response 1602

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	81.27
0.00	0.00	0.00
0.00	0.00	0.00

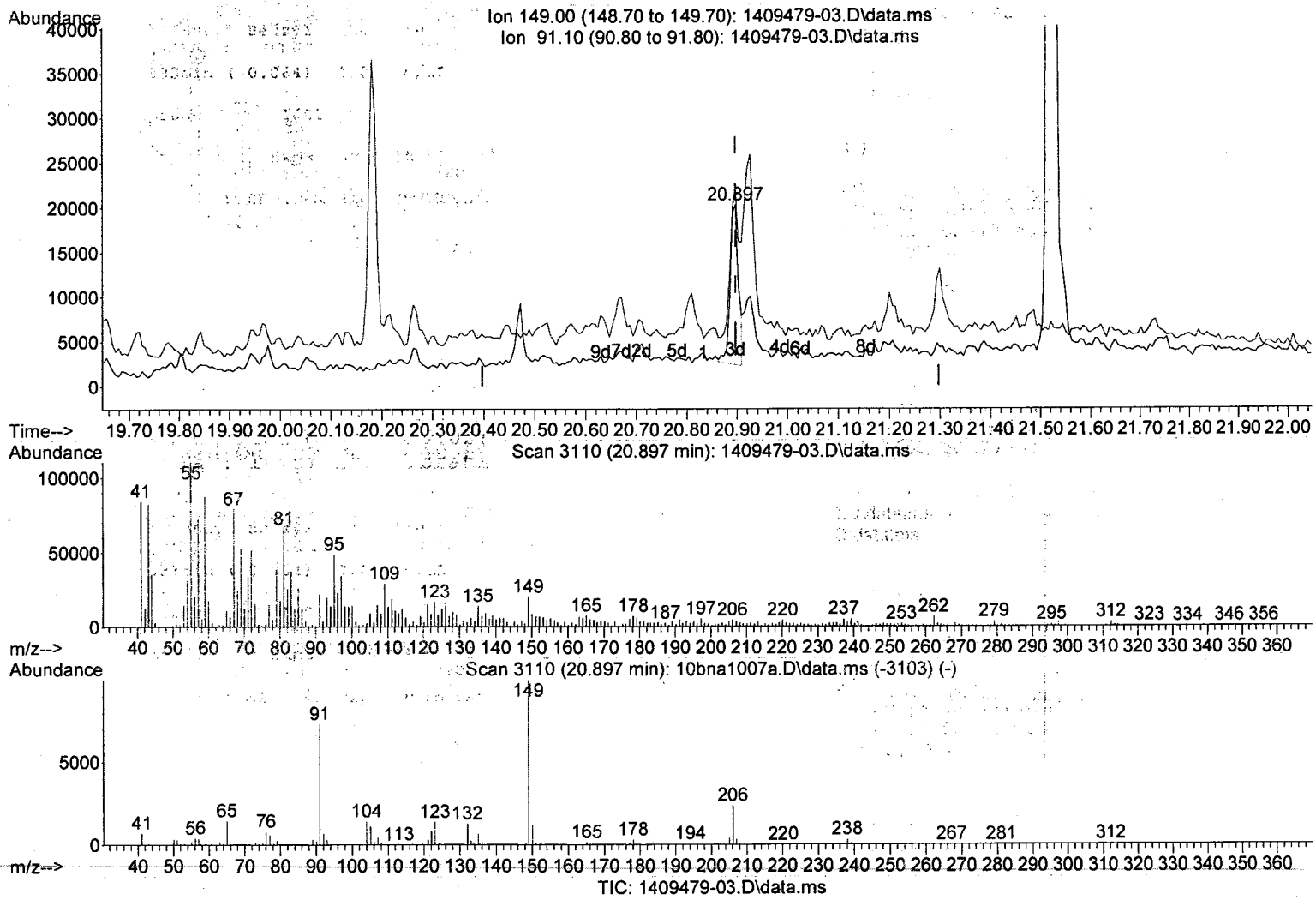
JWS 10/9/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.897min (-0.000) 0.25 ng/uL m

response 20709

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	6.29#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

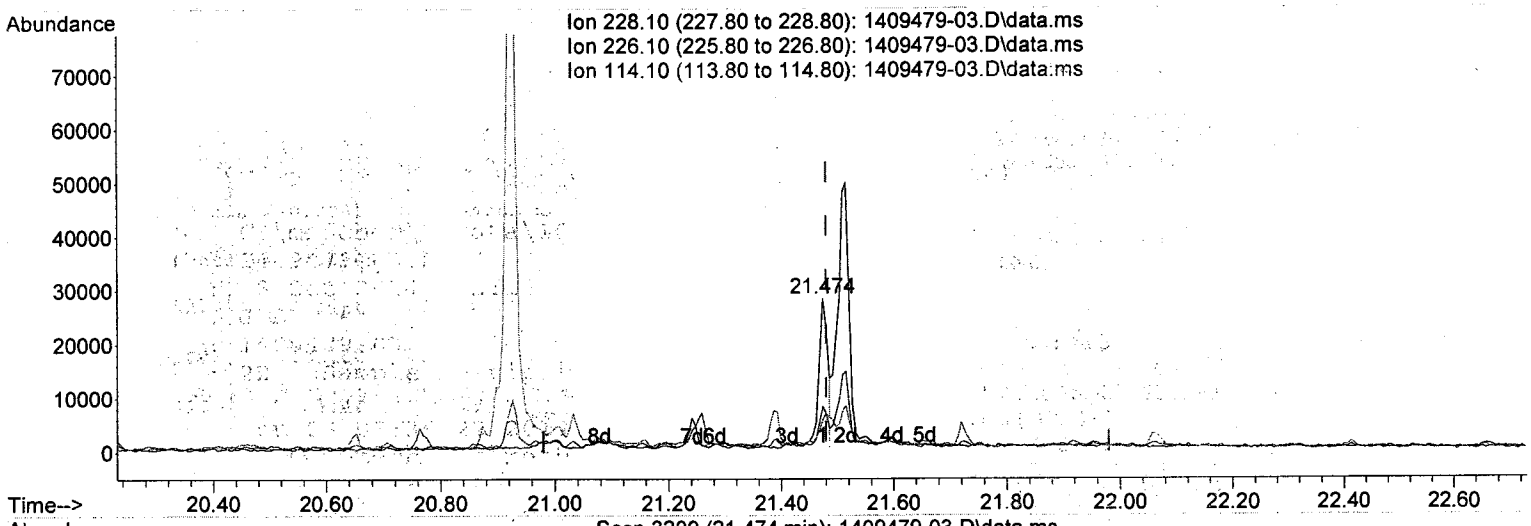
Analyst: JLB Date: 10/9/14

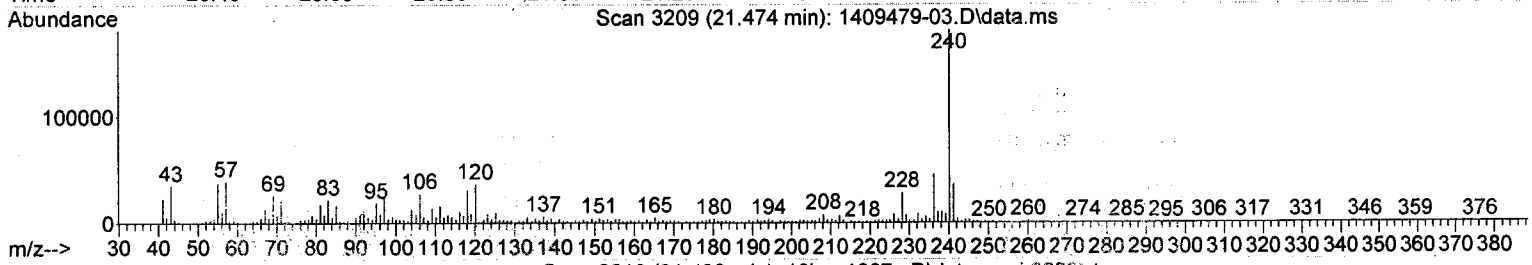
Reviewed By: DWS Date: 10-17-14

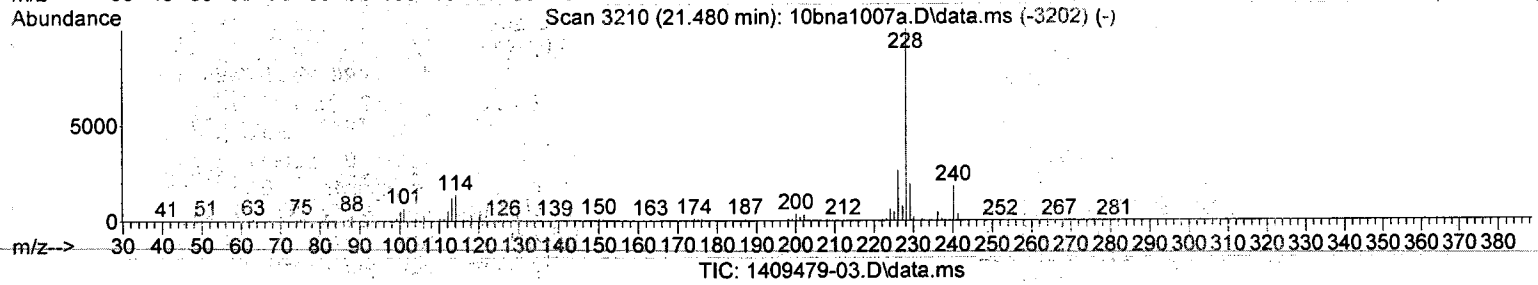
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(85) Benzo(a)anthracene

21.474min (-0.006) 0.19 ng/uL

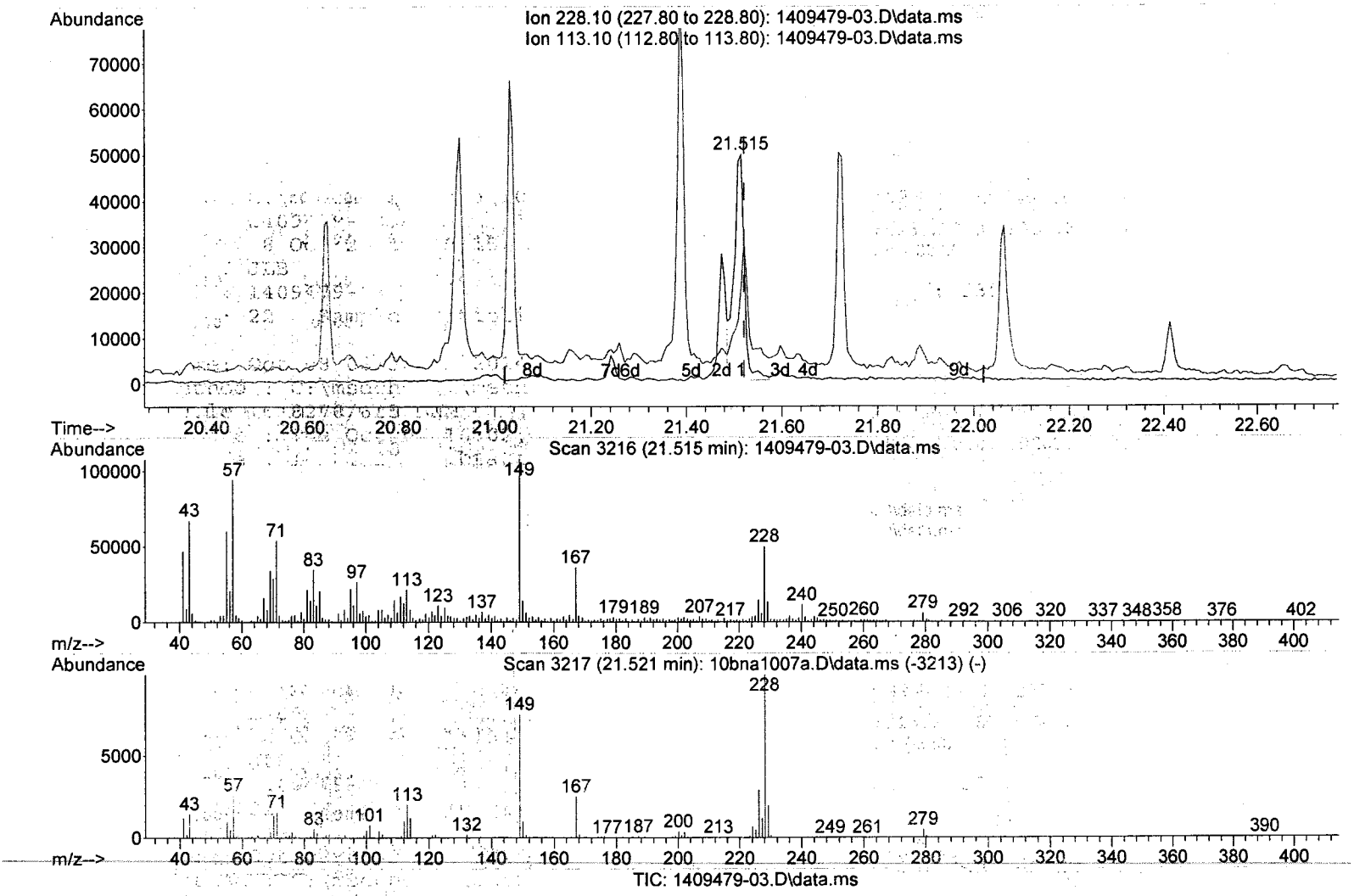
response 30769

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	27.19
114.10	13.30	30.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(86) Chrysene

21.515min (-0.006) 0.45 ng/uL

response 72486

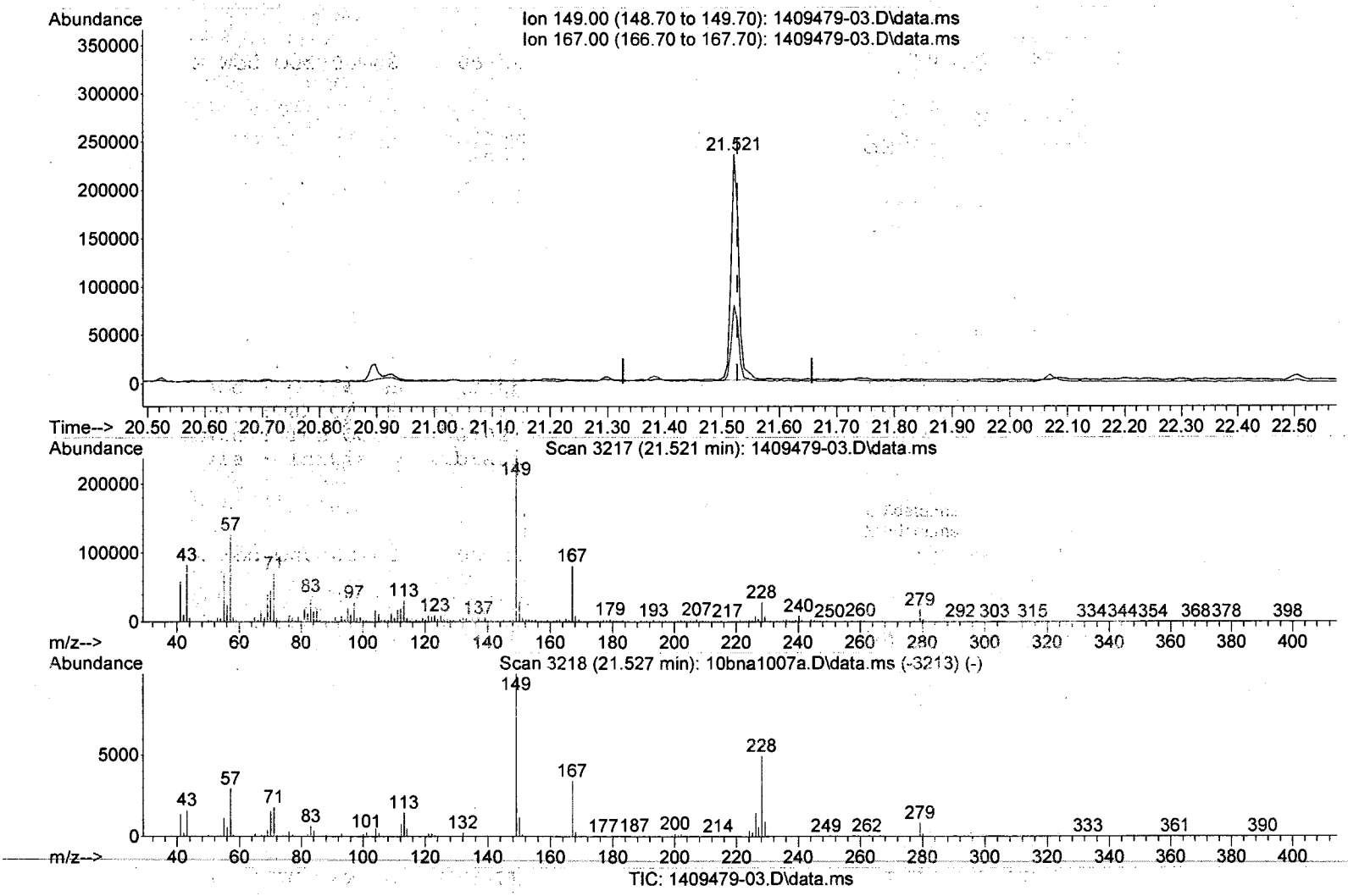
Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	58.44#
0.00	0.00	0.00
0.00	0.00	0.00

002590

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.521min (-0.006) 1.99 ng/uL

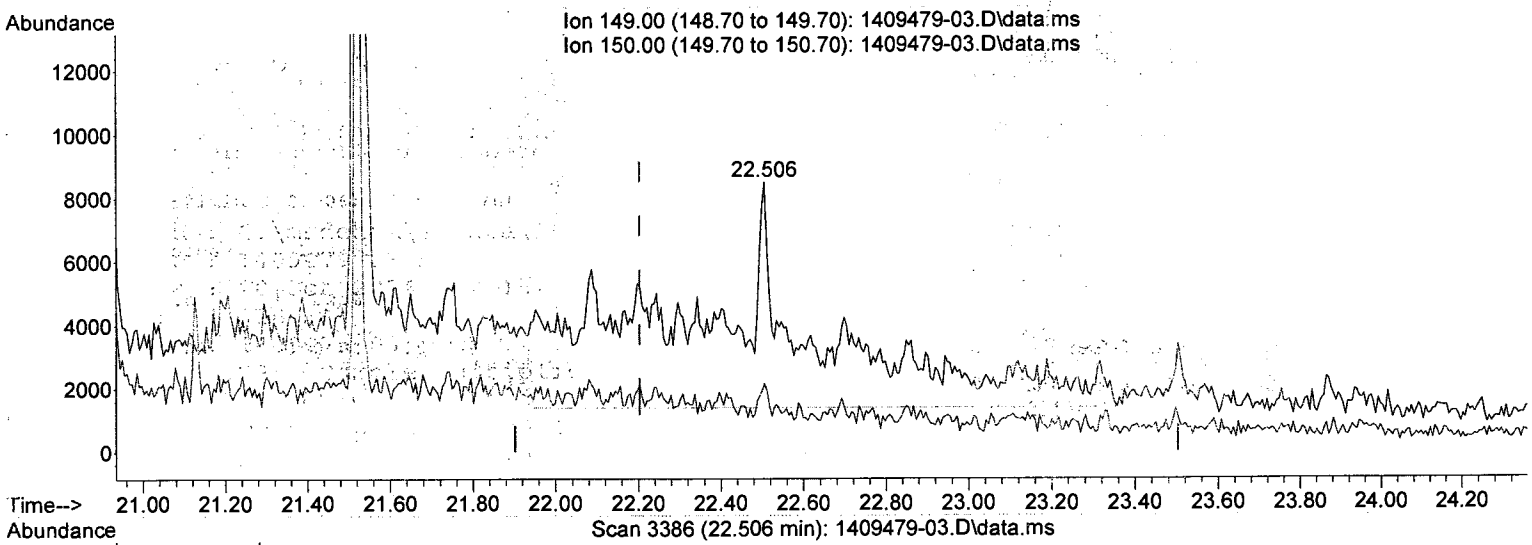
response 213751

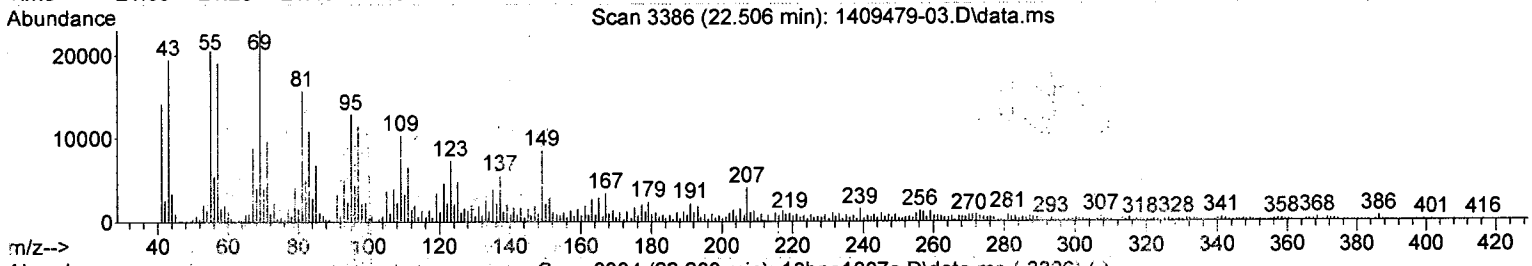
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	35.43#
0.00	0.00	0.00
0.00	0.00	0.00

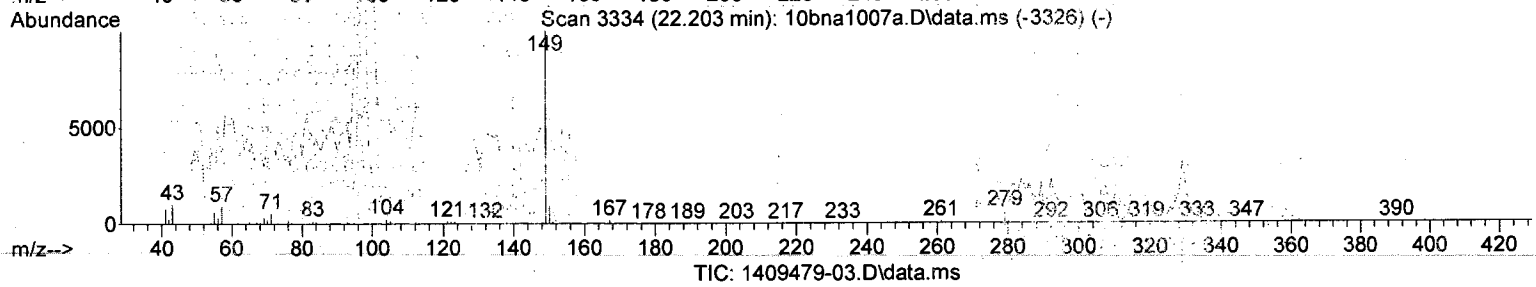
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.506min (+ 0.303) 1.18 ng/uL

response 165092

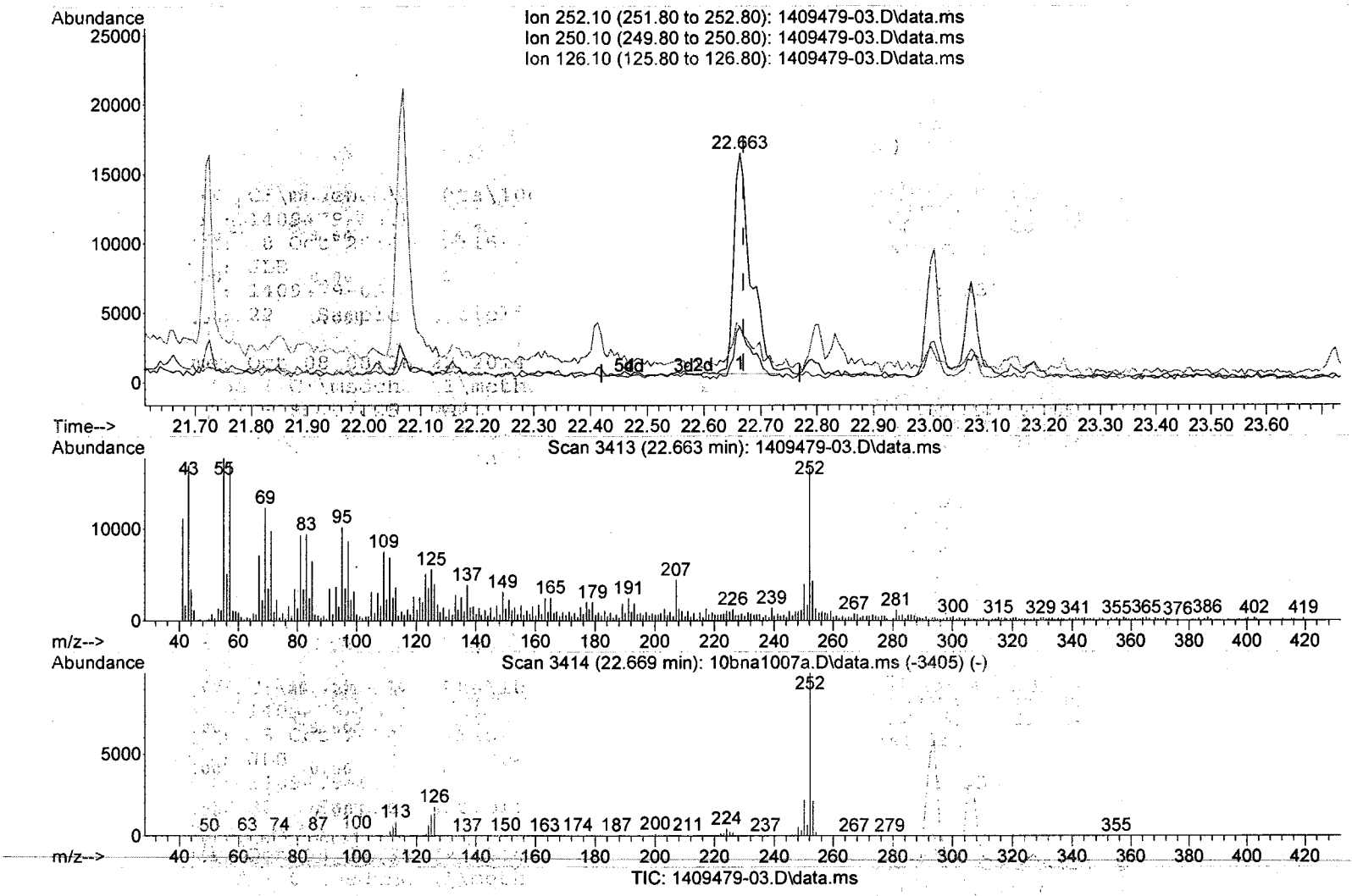
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.95#
0.00	0.00	0.00
0.00	0.00	0.00

RT pp

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.663min (-0.006) 0.61 ng/uL

response 32881

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	26.60
126.10	17.20	23.57#
0.00	0.00	0.00

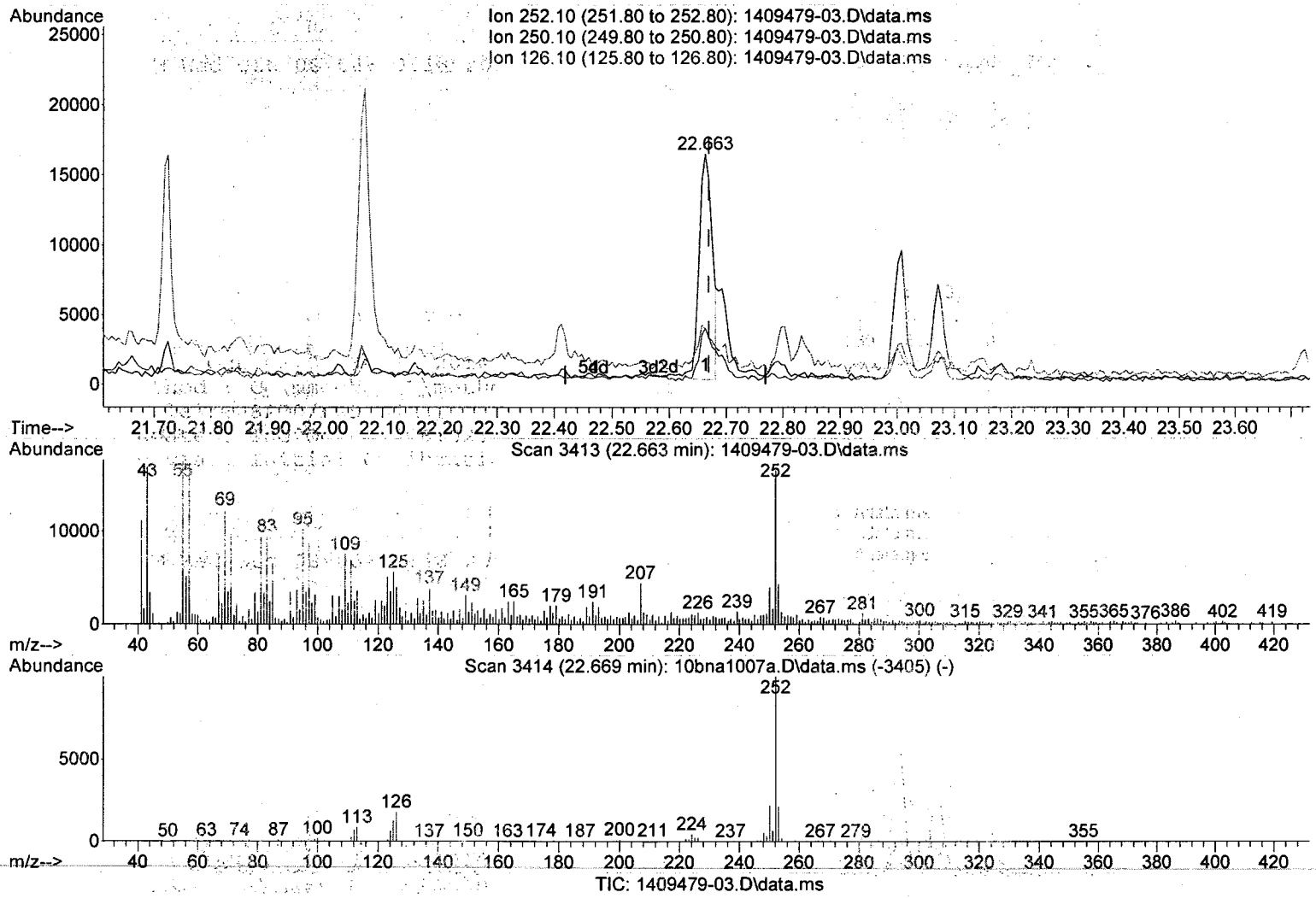
JLB 10/9/14

DWJ 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-03.D\data.ms

(90) Benzo(b)fluoranthene

22.663min (-0.006) 0.48 ng/uL m

response 25476

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	34.33#
126.10	17.20	30.42#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

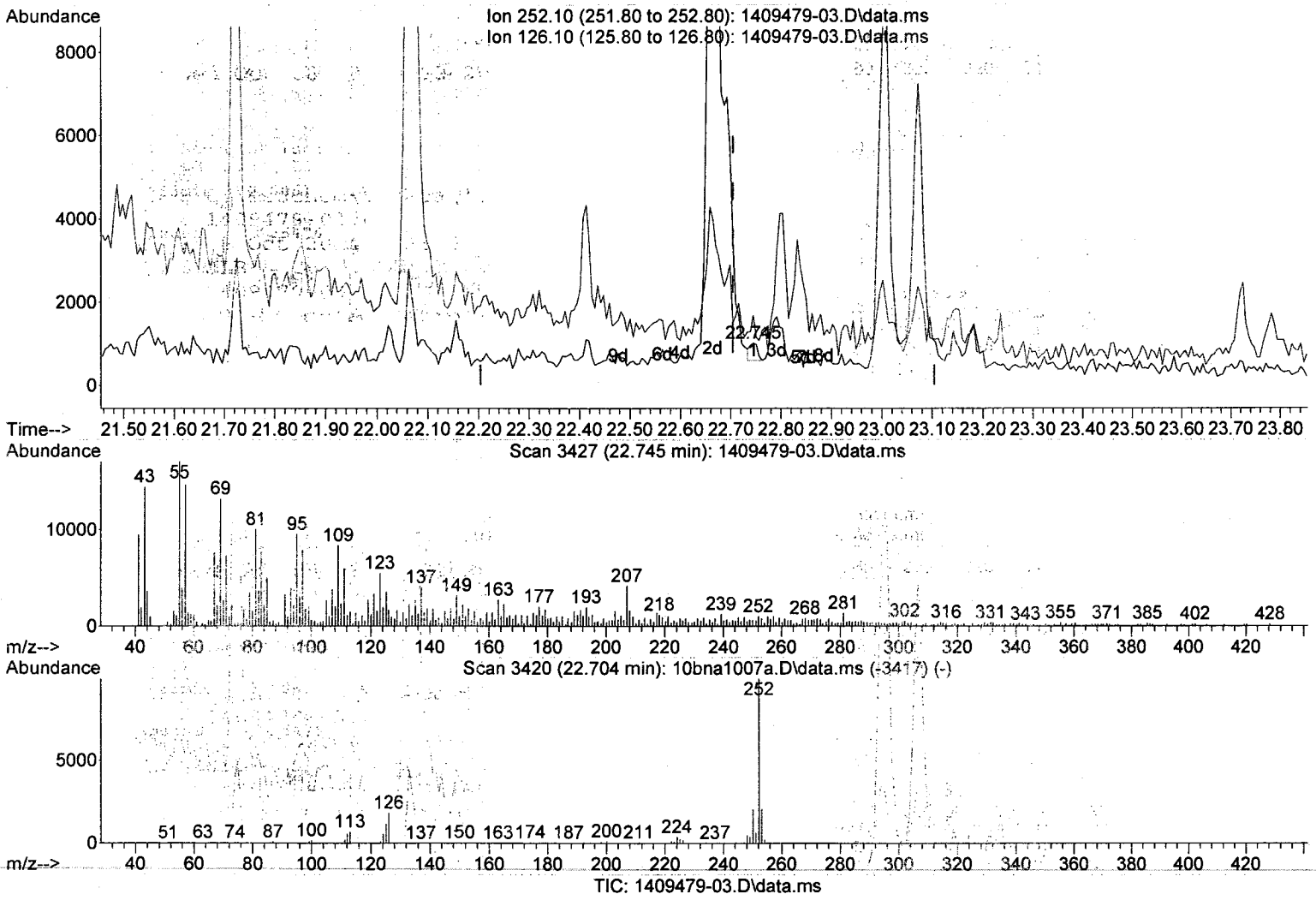
Analyst: JLB Date: 10/9/14

Reviewed By: DWS Date: 10/17/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-03.D\data.ms

(91) Benzo(k)fluoranthene

22.745min (+ 0.041) 0.01 ng/uL

response 447

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	80.00	87.70#
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/9/14

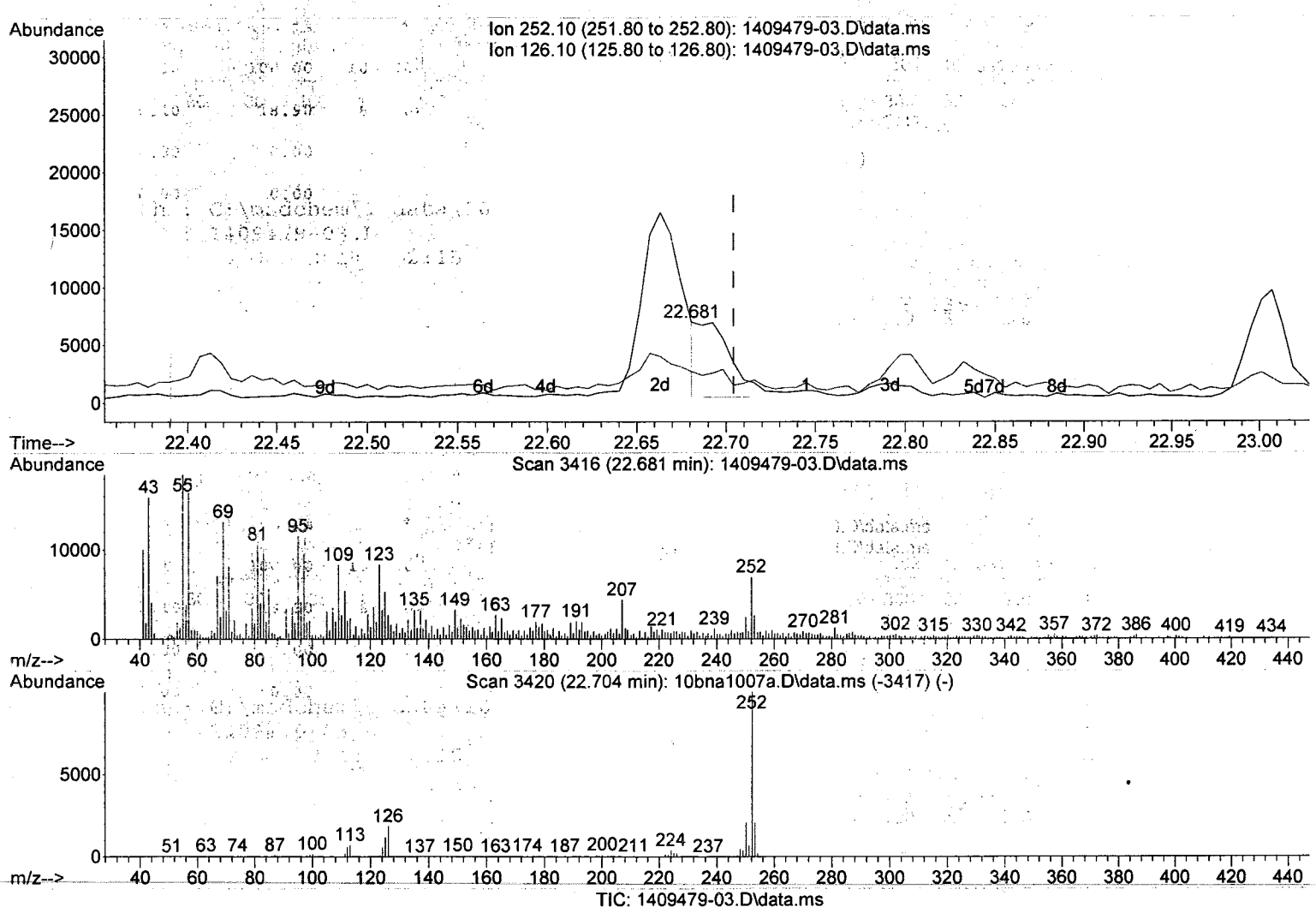
DWT 10-17-14

002595

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-03.D\data.ms

(91) Benzo(k)fluoranthene

22.681min (-0.023) 0.14 ng/uL m

response 8385

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	4.68#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

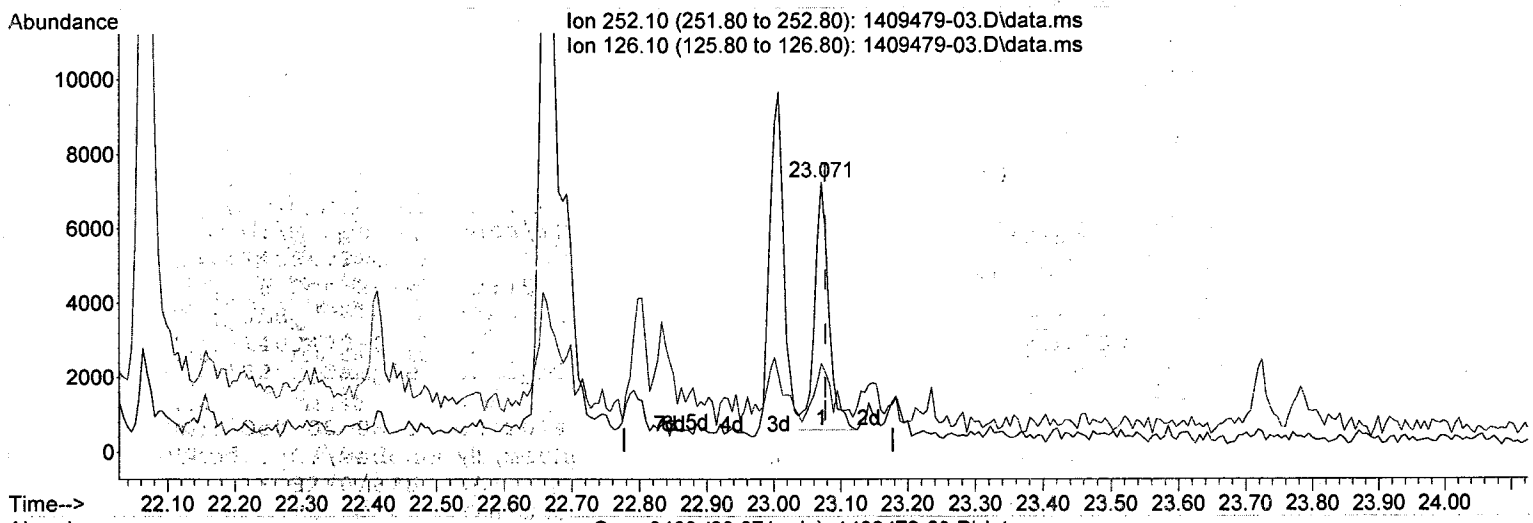
Analyst: JLB Date: 10/9/14

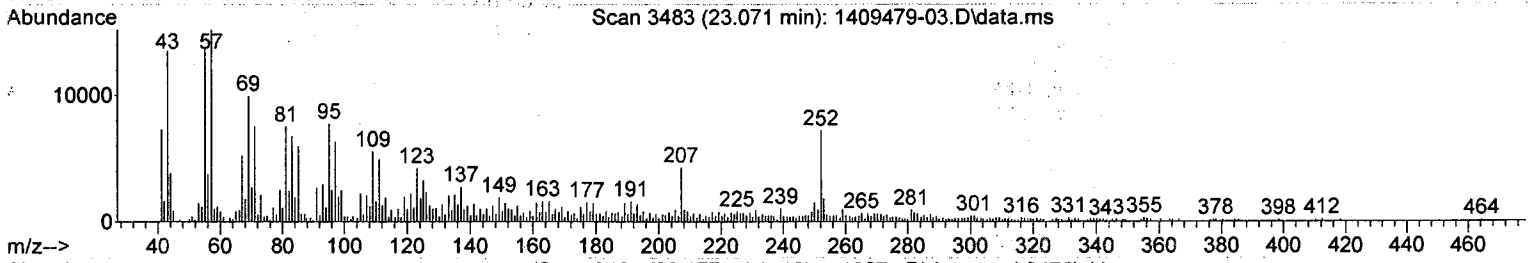
Reviewed By: DWG Date: 10-17-14

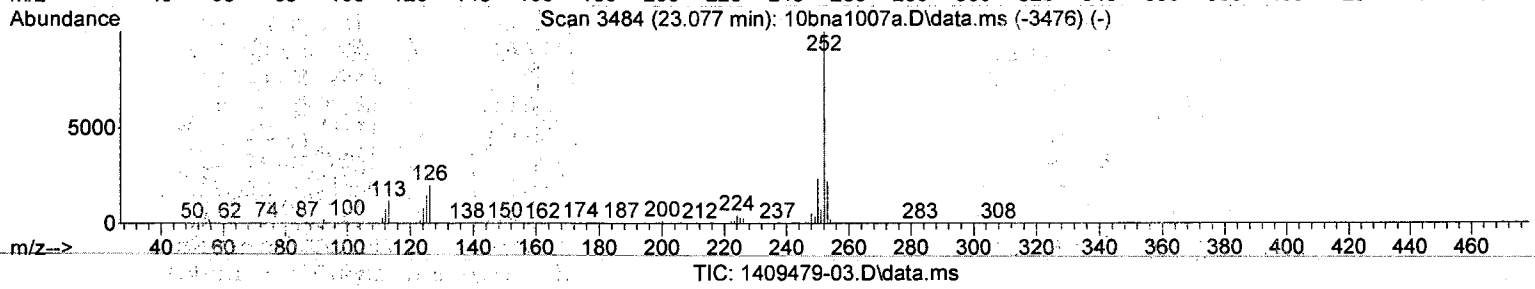
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(92) Benzo(a)pyrene (C)

23.071min (-0.006) 0.19 ng/uL

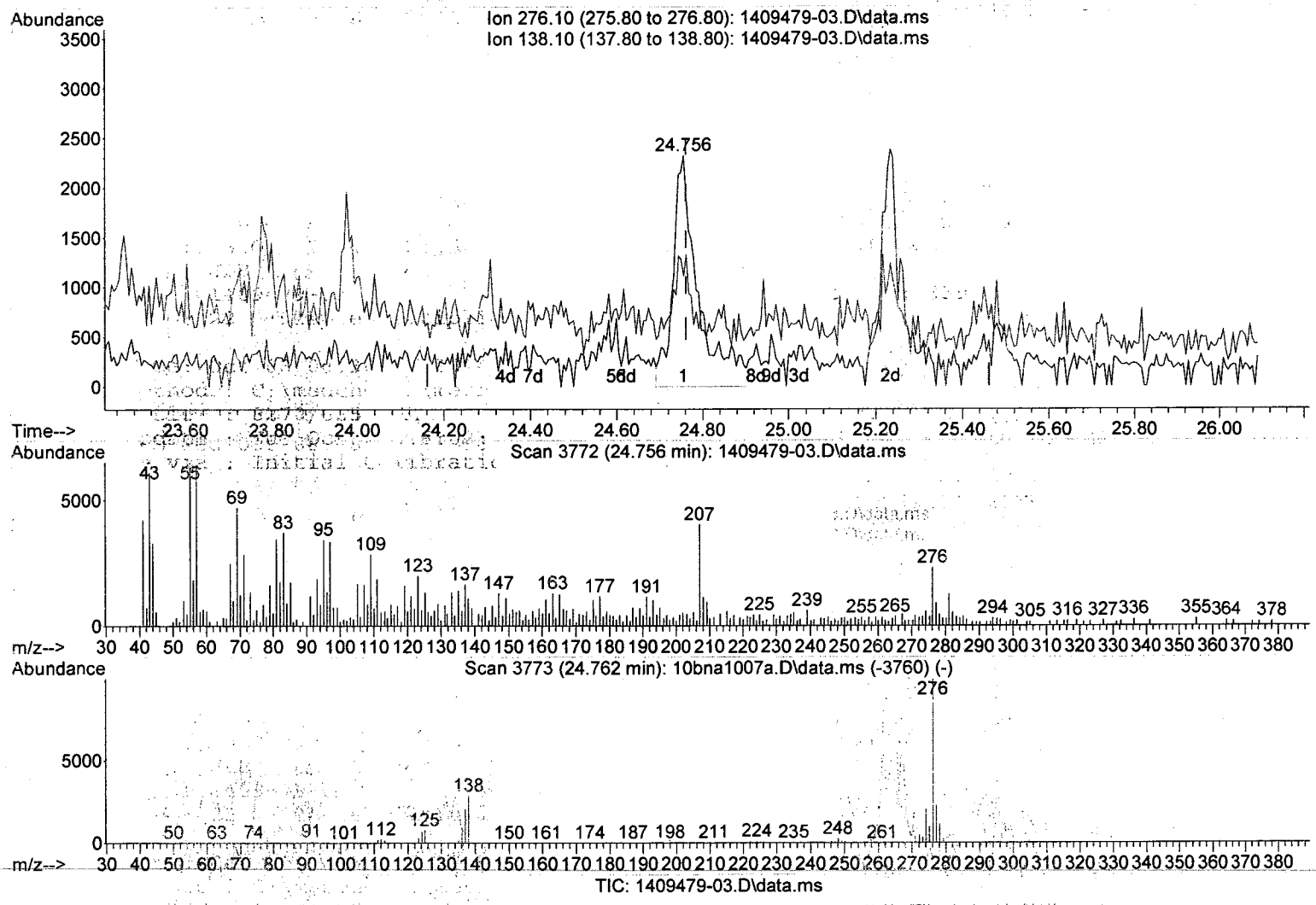
response 9723

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	30.97#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-03.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.756min (-0.006) 0.21 ng/uL

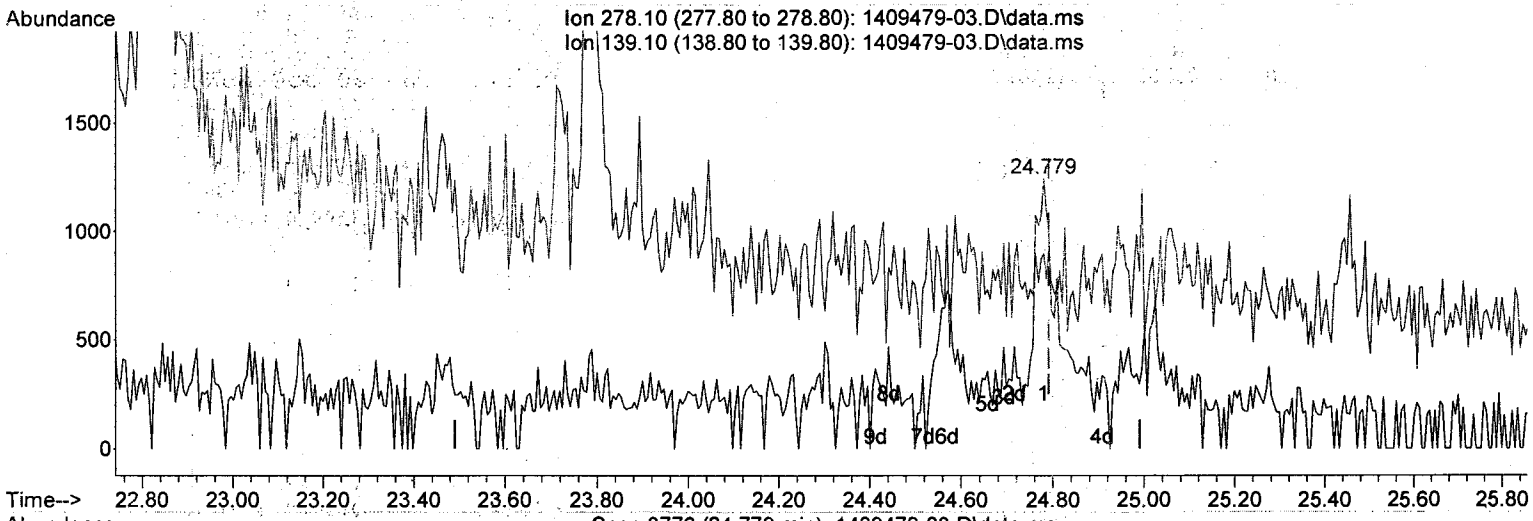
response 9291

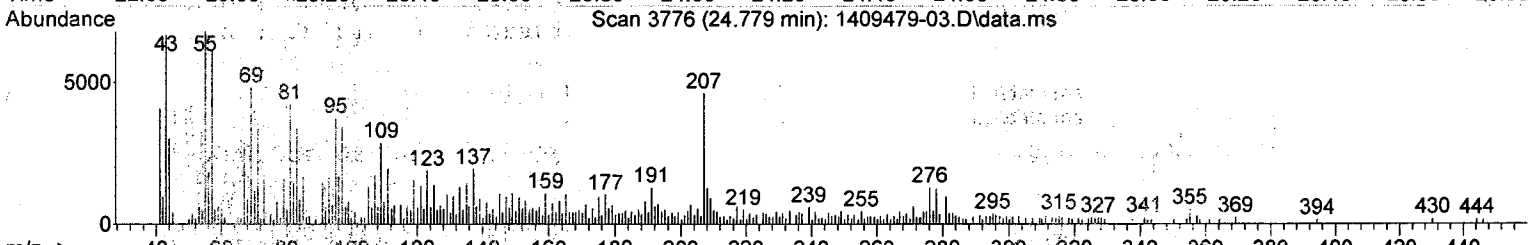
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	24.57
0.00	0.00	0.00
0.00	0.00	0.00

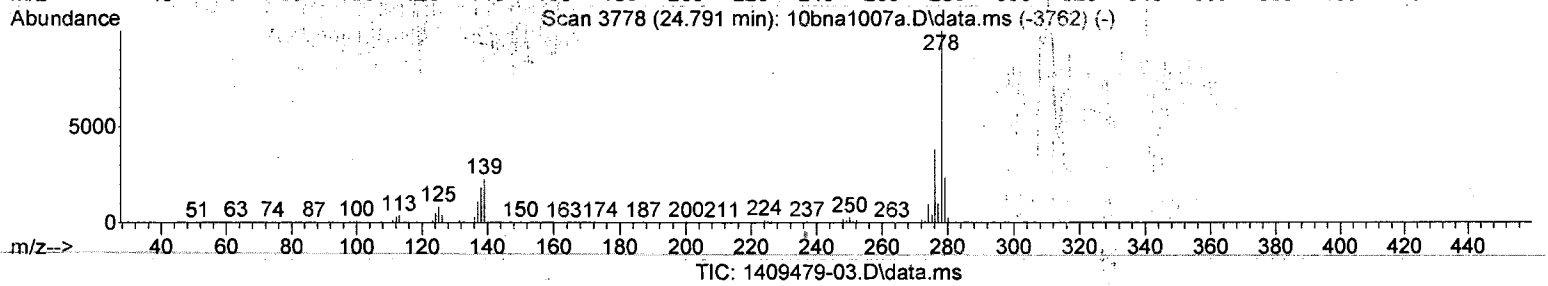
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(94) Dibdenz(a,h)anthracene

24.779min (-0.012) 0.09 ng/uL

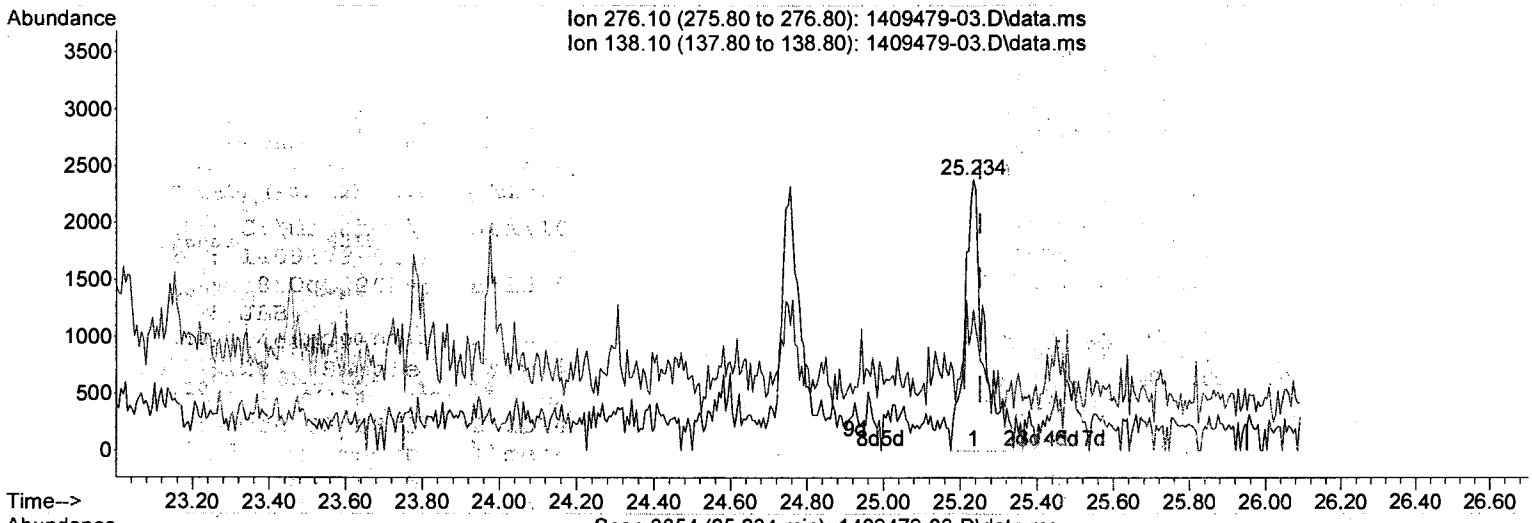
response 3215

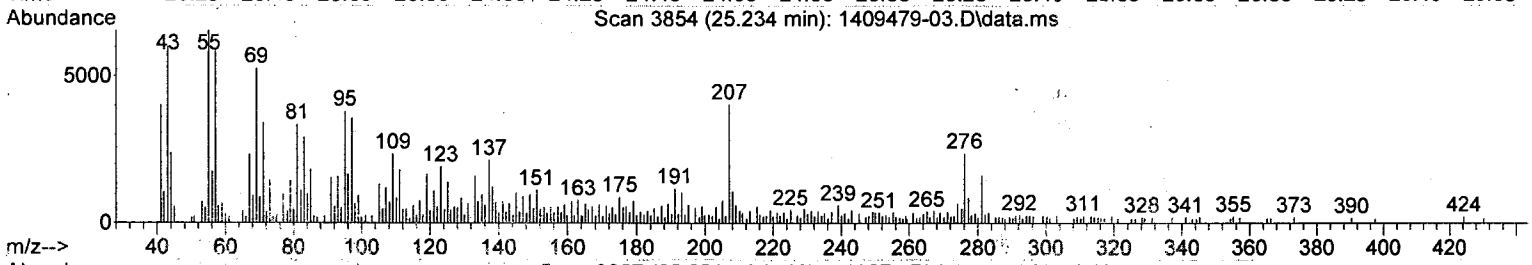
Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	12.72#
0.00	0.00	0.00
0.00	0.00	0.00

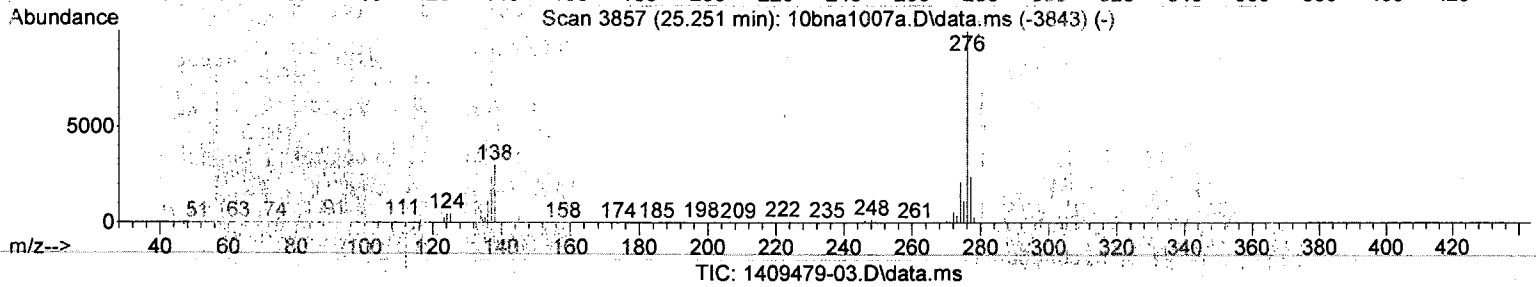
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-03.D
Acq On : 8 Oct 2014 2:15
Operator : JLB
Sample : 1409479-03 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 08:36:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-03.D\data.ms

(95) Benzo(g,h,i)Perylene

25.234min (-0.018) 0.22 ng/uL

response 8130

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	33.05#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB02-14

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-03RE1 File ID: 1409479-03 10x.D

Sampled: 09/25/14 09:45 Prepared: 10/01/14 07:29 Analyzed: 10/10/14 13:36

Solids: 95.28 Preparation: 3550C Sonication Extract Initial/Final: 30 grams / 1 mL

QC Batch: 1410496 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	180	49	180	180	U
208-96-8	Acenaphthylene	10	180	44	180	180	U
120-12-7	Anthracene	10	180	42	180	180	U
56-55-3	Benzo(a)anthracene	10	87	29	87	180	U
50-32-8	Benzo(a)pyrene	10	87	24	87	180	U
205-99-2	Benzo(b)fluoranthene	10	87	20	87	180	U
207-08-9	Benzo(k)fluoranthene	10	87	20	87	180	U
191-24-2	Benzo(g,h,i)perylene	10	87	20	87	350	U
65-85-0	Benzoic Acid	10	1800	730	1800	3500	U
100-51-6	Benzyl Alcohol	10	180	48	180	180	U
101-55-3	4-Bromophenyl Phenyl Ether	10	180	42	180	180	U
85-68-7	Butyl Benzyl Phthalate	10	180	42	180	350	U
86-74-8	Carbazole	10	180	42	180	1800	U
59-50-7	4-Chloro-3-methylphenol	10	180	52	180	180	U
106-47-8	4-Chloroaniline	10	180	93	180	700	U
111-91-1	Bis(2-chloroethoxy)methane	10	180	43	180	180	U
111-44-4	Bis(2-chloroethyl) Ether	10	180	41	180	180	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	87	39	87	180	U
91-58-7	2-Chloronaphthalene	10	180	52	180	180	U
95-57-8	2-Chlorophenol	10	180	41	180	180	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	180	40	180	180	U
218-01-9	Chrysene	10	180	41	180	180	U
53-70-3	Dibenz(a,h)anthracene	10	87	20	87	350	U
132-64-9	Dibenzofuran	10	180	51	180	180	U
84-74-2	Di-n-butyl Phthalate	10	350	140	350	700	U
106-46-7	1,4-Dichlorobenzene	10	180	51	180	180	U
95-50-1	1,2-Dichlorobenzene	10	180	57	180	180	U
541-73-1	1,3-Dichlorobenzene	10	180	59	180	180	U
91-94-1	3,3'-Dichlorobenzidine	10	7000	2900	7000	8700	U
120-83-2	2,4-Dichlorophenol	10	180	43	180	350	U
84-66-2	Diethyl Phthalate	10	180	51	180	180	U
105-67-9	2,4-Dimethylphenol	10	1400	380	1400	1800	U
131-11-3	Dimethyl Phthalate	10	180	50	180	180	U
534-52-1	4,6-Dinitro-2-methylphenol	10	700	220	700	1800	U
51-28-5	2,4-Dinitrophenol	10	1800	590	1800	1800	U
606-20-2	2,6-Dinitrotoluene	10	87	42	87	180	U
121-14-2	2,4-Dinitrotoluene	10	87	34	87	350	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB02-14

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-03RE1 File ID: 1409479-03 10x.D

Sampled: 09/25/14 09:45 Prepared: 10/01/14 07:29 Analyzed: 10/10/14 13:36

Solids: 95.28 Preparation: 3550C Sonication Extract Initial/Final: 30 grams / 1 mL

QC Batch: 1410496 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	180	41	180	180	U
122-66-7	1,2-Diphenylhydrazine	10	87	35	87	180	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	180	120	180	350	U
206-44-0	Fluoranthene	10	180	47	180	180	U
86-73-7	Fluorene	10	180	42	180	350	U
118-74-1	Hexachlorobenzene	10	180	50	180	180	U
87-68-3	Hexachlorobutadiene	10	180	48	180	180	U
67-72-1	Hexachloroethane	10	180	53	180	180	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	87	28	87	350	U
78-59-1	Isophorone	10	180	40	180	180	U
91-57-6	2-Methylnaphthalene	10	180	48	180	180	U
108-39-4	3+4-Methylphenol	10	87	39	87	180	U
95-48-7	2-Methylphenol	10	87	37	87	180	U
91-20-3	Naphthalene	10	180	59	180	180	U
100-01-6	4-Nitroaniline	10	700	260	700	3500	U
88-74-4	2-Nitroaniline	10	87	38	87	180	U
99-09-2	3-Nitroaniline	10	350	170	350	3500	U
98-95-3	Nitrobenzene	10	180	48	180	180	U
88-75-5	2-Nitrophenol	10	180	47	180	180	U
100-02-7	4-Nitrophenol	10	3500	1100	3500	7000	U
62-75-9	N-Nitroso-dimethylamine	10	70	35	70	350	U
86-30-6	N-Nitroso-diphenylamine	10	87	36	87	180	U
621-64-7	N-Nitroso-di-n-propylamine	10	180	42	180	180	U
87-86-5	Pentachlorophenol	10	180	140	180	1800	U
85-01-8	Phenanthrene	10	180	43	180	180	U
108-95-2	Phenol	10	180	41	180	1800	U
129-00-0	Pyrene	10	180	45	180	180	U
120-82-1	1,2,4-Trichlorobenzene	10	180	46	180	180	U
95-95-4	2,4,5-Trichlorophenol	10	180	47	180	180	U
88-06-2	2,4,6-Trichlorophenol	10	87	27	87	180	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	700	535	76	33 - 113	D
Phenol-d6	700	560	80	30 - 115	D
Nitrobenzene-d5	350	273	78	33 - 131	D
2-Fluorobiphenyl	350	304	87	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB02-14

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-03RE1
File ID: 1409479-03 10x.D
Sampled: 09/25/14 09:45
Prepared: 10/01/14 07:29
Analyzed: 10/10/14 13:36
Solids: 95.28
Preparation: 3550C Sonication Extract
Initial/Final: 30 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	700	430	62	12 - 124	D
o-Terphenyl	350	329	94	20 - 155	D

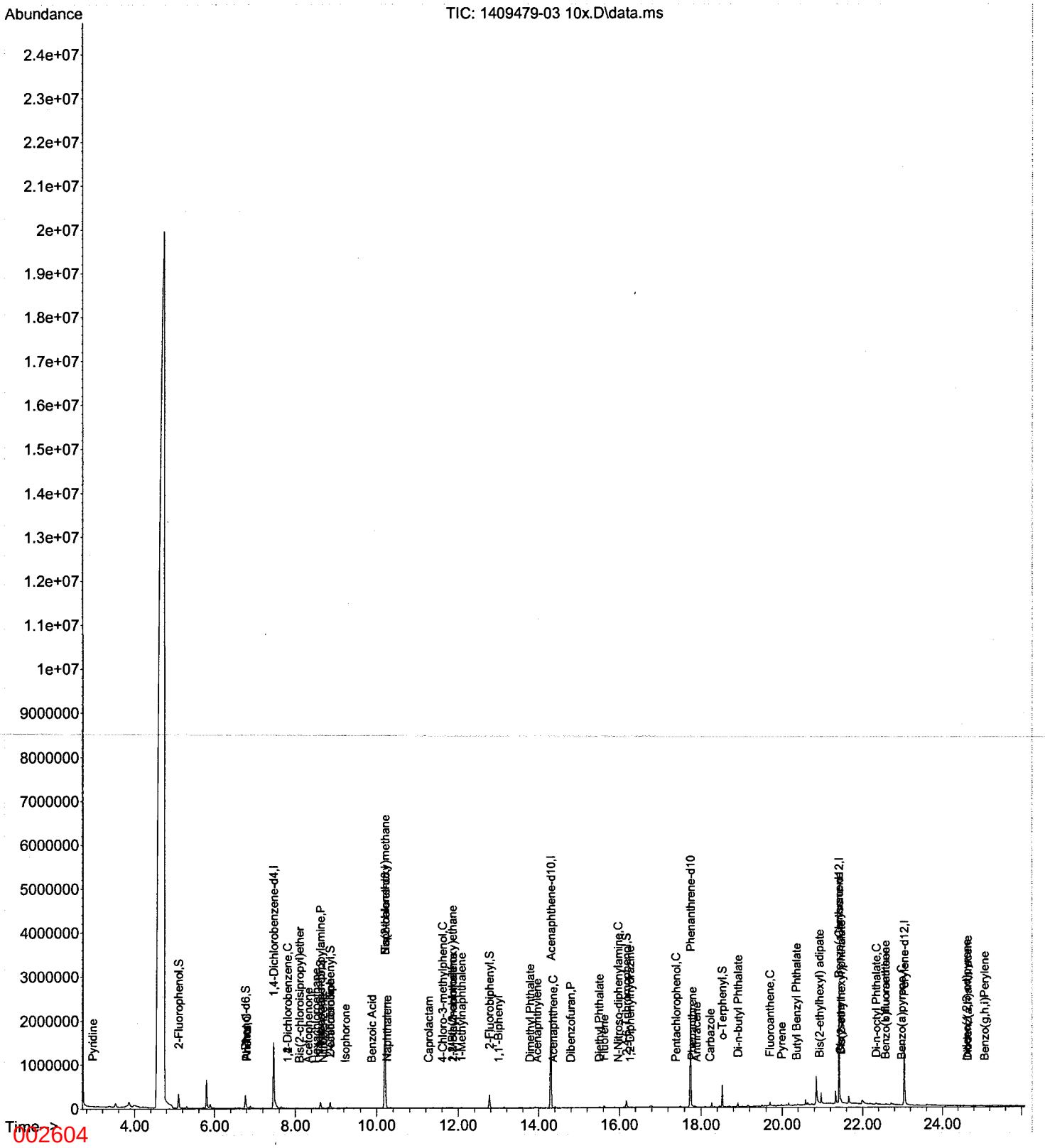
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	476190	7.466	403279	7.614	
Naphthalene-d8	1819925	10.2	1529030	10.359	
Acenaphthene-d10	988436	14.303	866604	14.474	
Phenanthrene-d10	1510573	17.748	1400442	17.901	
Chrysene-d12	1169097	21.414	1153654	21.538	
Perylene-d12	829688	23.046	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-03 10x.D
Acq On : 10 Oct 2014 13:36
Operator : JLB
Sample : 1409479-03 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 15:02:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



002604

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-03 10x.D
Acq On : 10 Oct 2014 13:36
Operator : JLB
Sample : 1409479-03 10x
ALS Vial : 11 Sample Multiplier: 1

REI

Inst : 339

Quant Time: Oct 11 15:02:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.466	152	476190	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.200	136	1819925	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.303	164	988436	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.748	188	1510573	5.00	ng/uL	0.00
81) Chrysene-d12	21.414	240	1169097	5.00	ng/uL	# 0.00
89) Perylene-d12	23.046	264	829688	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.100	112	166423	1.53	ng/uL	0.06
6) Phenol-d6	6.767	99	224813	1.60	ng/uL	0.00
21) Nitrobenzene-d5	8.626	82	91155	0.78	ng/uL	-0.01
23) Decafluorobiphenyl	8.859	334	62844	0.77	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.770	172	177464	0.87	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.174	330	28180	1.23	ng/uL	-0.02
78) o-Terphenyl	18.523	230	121777	0.94	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.		
3) Pyridine	2.949	79	177	0.00	ng/uL#	14
5) Aniline	6.790	93	117	0.22	ng/uL#	1
7) Phenol	6.796	94	13231	0.08	ng/uL#	45
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	7.804	146	665	0.00	ng/uL#	31
12) 1,2-Dichlorobenzene	7.804	146	665	0.01	ng/uL#	36
13) Bis(2-chloroisipropyl)...	8.102	45	206	0.00	ng/uL#	51
14) Benzyl Alcohol	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
16) Acetophenone	8.317	105	1270	0.01	ng/uL#	60
17) Hexachloroethane	8.510	119	637	0.01	ng/uL#	3
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.620	70	11779	~~0.14~~	ng/uL#	8
22) Nitrobenzene	8.684	77	55	0.00	ng/uL#	30
24) Isophorone	9.232	82	58	0.00	ng/uL#	58
25) 2-Chloroaniline	8.853	127	749	0.01	ng/uL#	61
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	10.200	93	1056	0.01	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.879	105	518	~~2.46~~	ng/uL#	27
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.247	128	8676	0.02	ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.		
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.267	55	4751	0.09	ng/uL#	26
37) 1,2-Bis(2-chloroethoxy...	11.855	63	618	0.01	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.610	107	211	0.00	ng/uL#	23
39) 2-Methylnaphthalene	11.861	142	8306	0.04	ng/uL	98
40) 1-Methylnaphthalene	12.077	142	8149	0.04	ng/uL	97
41) 1,3 Dinitrobenzene	0.000		0	N.D.		
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		

002665

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-03 10x.D
Acq On : 10 Oct 2014 13:36
Operator : JLB
Sample : 1409479-03 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 15:02:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48)	2-Chloronaphthalene	0.000		0	N.D.	
49)	1,1'-Biphenyl	12.992	154	1649	0.01 ng/uL#	87
50)	2-Nitroaniline	0.000		0	N.D.	
51)	Acenaphthylene	13.959	152	188	0.00 ng/uL#	55
52)	2,6-Dinitrotoluene	0.000		0	N.D.	
53)	Dimethyl Phthalate	13.785	163	1065	0.00 ng/uL#	1
54)	3-Nitroaniline	0.000		0	N.D.	
55)	Acenaphthene	14.356	153	331	0.00 ng/uL#	42
56)	2,4-Dinitrophenol	0.000		0	N.D.	
57)	Dibenzofuran	14.793	168	2823	0.01 ng/uL	96
58)	4-Nitrophenol	0.000		0	N.D.	
59)	2,4-Dinitrotoluene	0.000		0	N.D.	
60)	2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62)	Fluorene	15.621	166	552	0.00 ng/uL#	1
63)	Diethyl Phthalate	15.498	149	3111	0.02 ng/uL	91
64)	4-Chlorophenyl Phenyl ...	0.000		0	N.D.	
65)	4-Nitroaniline	0.000		0	N.D.	
67)	4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68)	N-Nitroso-diphenylamine	15.970	169	900	0.01 ng/uL#	26
69)	1,2-Diphenylhydrazine	16.262	182	63	0.00 ng/uL	79
71)	4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72)	Hexachlorobenzene	0.000		0	N.D.	
73)	Atrazine	0.000		0	N.D.	
74)	Pentachlorophenol	17.398	266	75	0.00 ng/uL#	1
75)	Phenanthrene	17.789	178	18276	0.06 ng/uL	98
76)	Anthracene	17.888	178	642	0.00 ng/uL#	95
77)	Carbazole	18.226	167	945	0.00 ng/uL#	89
79)	Di-n-butyl Phthalate	18.914	149	53117	0.18 ng/uL	100
80)	Fluoroanthene	19.695	202	10832	0.04 ng/uL#	59
82)	Pyrene	19.986	202	11767	0.04 ng/uL#	79
83)	Butyl Benzyl Phthalate	20.359	149	193	0.00 ng/uL	94
84)	Bis(2-ethylhexyl) adipate	20.925	129	306	0.07 ng/uL#	100
85)	Benzo(a)anthracene	21.408	228	7601	0.04 ng/uL#	1
86)	Chrysene	21.443	228	8762	0.04 ng/uL#	50
87)	Bis(2-ethylhexyl)phtha...	21.461	149	20531	0.15 ng/uL	92
88)	Di-n-octyl Phthalate	22.341	149	30102	pr ~~0.46~~ ng/uL#	82
90)	Benzo(b)fluoroanthene	22.574	252	8326	0.06 ng/uL#	85
91)	Benzo(k)fluoranthene	22.574	252	8518	0.05 ng/uL#	79
92)	Benzo(a)pyrene	22.976	252	1646	0.01 ng/uL#	81
93)	Indeno(1,2,3-cd)pyrene	24.614	276	1657	0.01 ng/uL#	71
94)	Dibdenz(a,h)anthracene	24.643	278	453	0.00 ng/uL#	1
95)	Benzo(g,h,i)Perylene	25.075	276	1460	0.01 ng/uL#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

002606

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-03 10x.D
Acq On : 10 Oct 2014 13:36
Operator : JLB
Sample : 1409479-03 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 14:56:26 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:52:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.466	152	465940	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.200	136	1819925	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.303	164	986603	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.748	188	1511335	5.00	ng/uL	0.00
19) Chrysene-d12	21.414	240	1169097	5.00	ng/uL	# 0.00
22) Perylene-d12	23.046	264	834712	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.		
3) Pyridine	2.745	79	372	0.00	ng/uL	95
4) Aniline	6.790	93	117	0.00	ng/uL#	1
5) Benzaldehyde	6.627	105	1653	0.02	ng/uL#	1
6) Acetophenone	8.317	105	1270	0.01	ng/uL#	60
7) N-Nitroso-di-n-propyla...	8.620	70	11779	0.13	ng/uL#	8
9) 4-Chloroaniline	10.241	127	729	0.01	ng/uL#	27
10) Caprolactam	11.167	55	210	0.10	ng/uL#	21
12) 1,1'-Biphenyl	12.992	154	1649	0.01	ng/uL#	87
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	15.970	169	900	0.01	ng/uL#	26
18) Atrazine	0.000		0	N.D.		
20) Benzidine	0.000		0	N.D.		
21) 3,3'-Dichlorobenzidine	21.327	252	192	0.00	ng/uL#	57

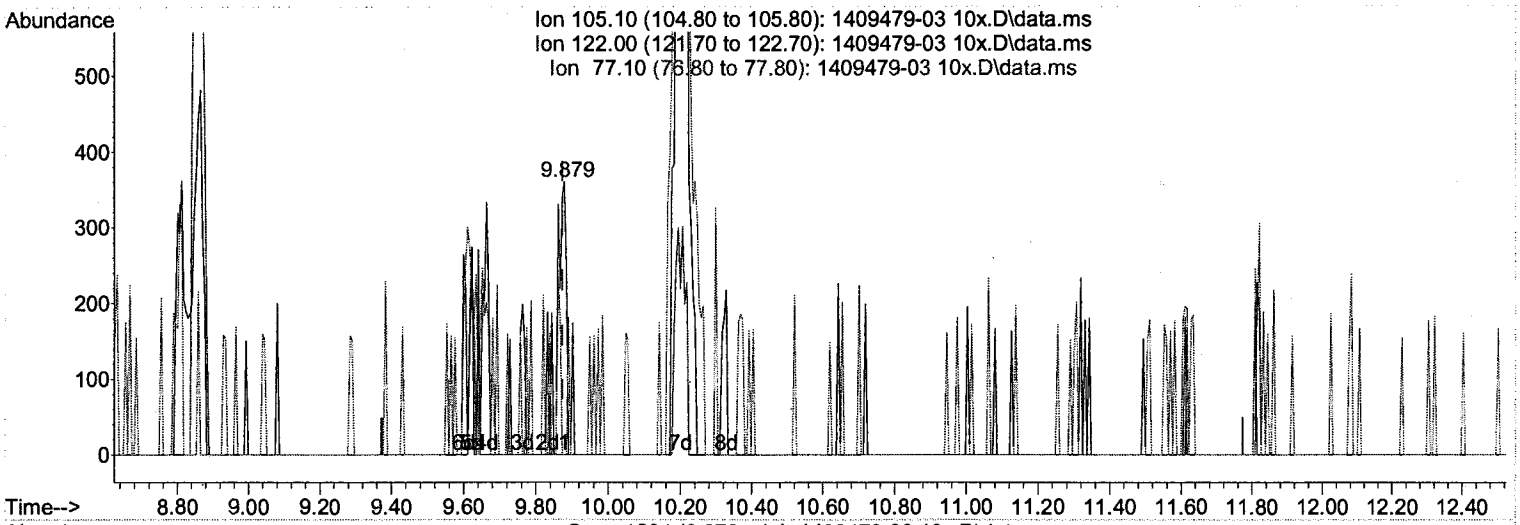
(#) = qualifier out of range (m) = manual integration (+) = signals summed

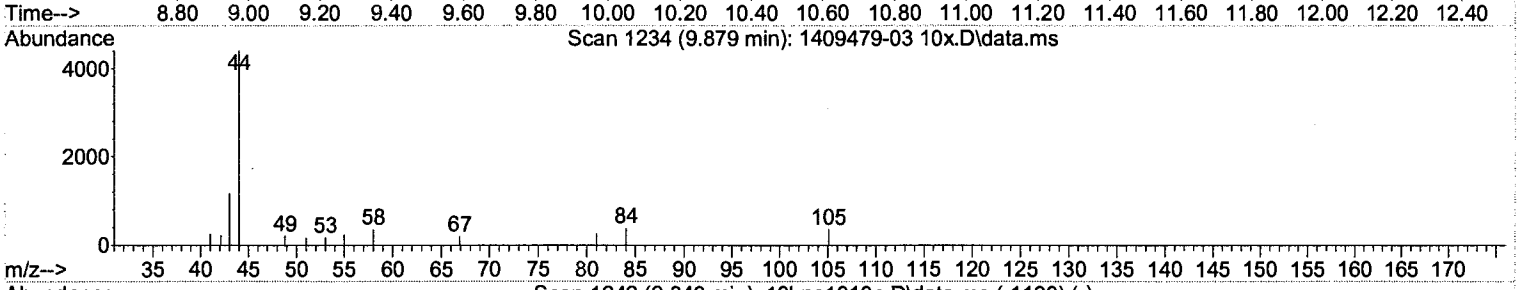
002607

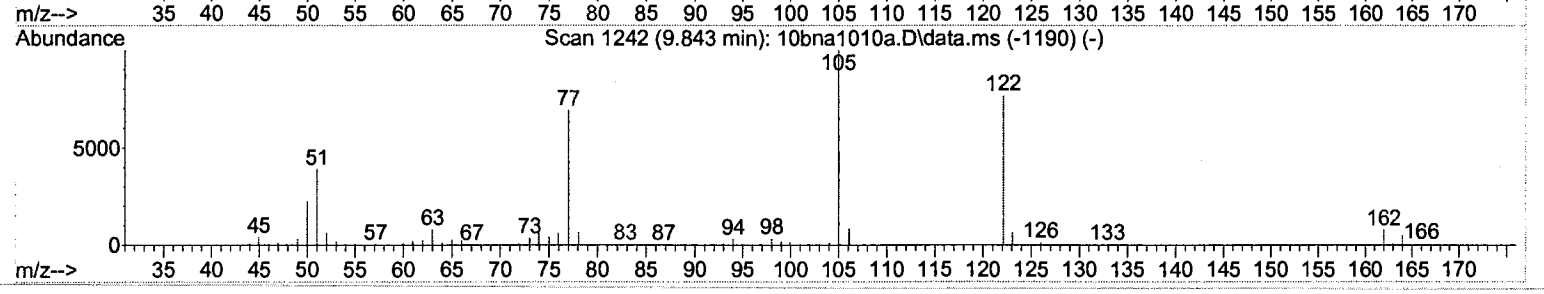
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-03 10x.D
Acq On : 10 Oct 2014 13:36
Operator : JLB
Sample : 1409479-03 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 15:02:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-03 10x.D\data.ms

(30) Benzoic Acid

9.879min (+ 0.006) 2.46 ng/uL

response 518

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	27.99#
0.00	0.00	0.00

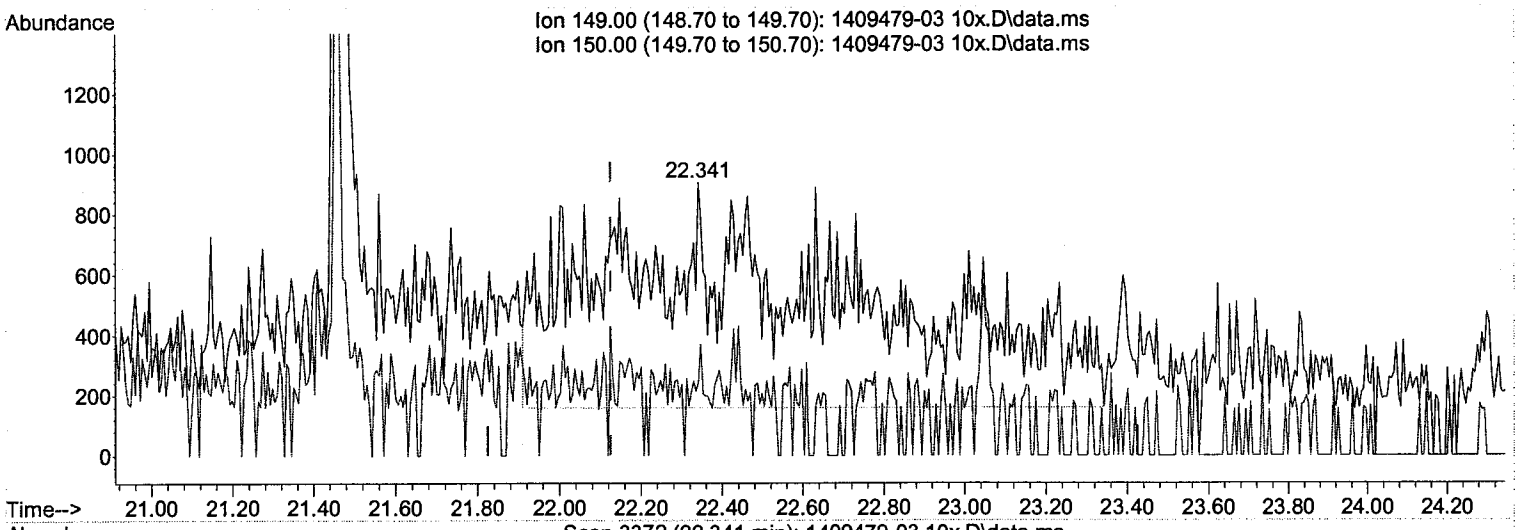
PP

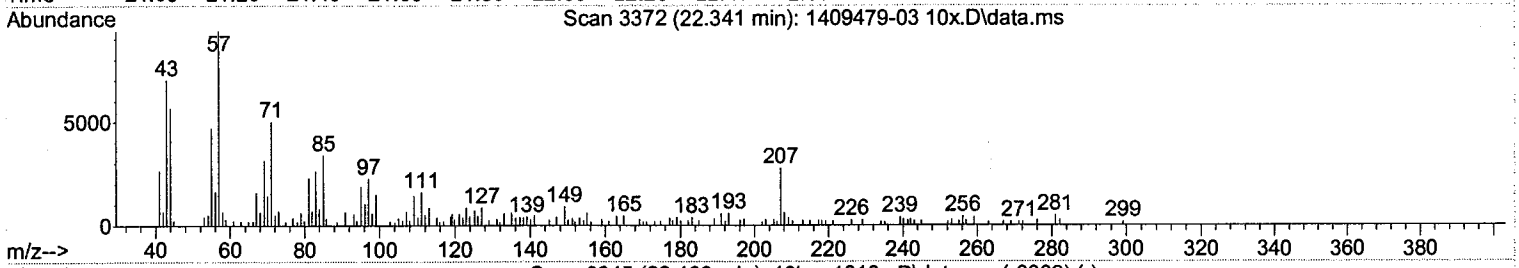
002608

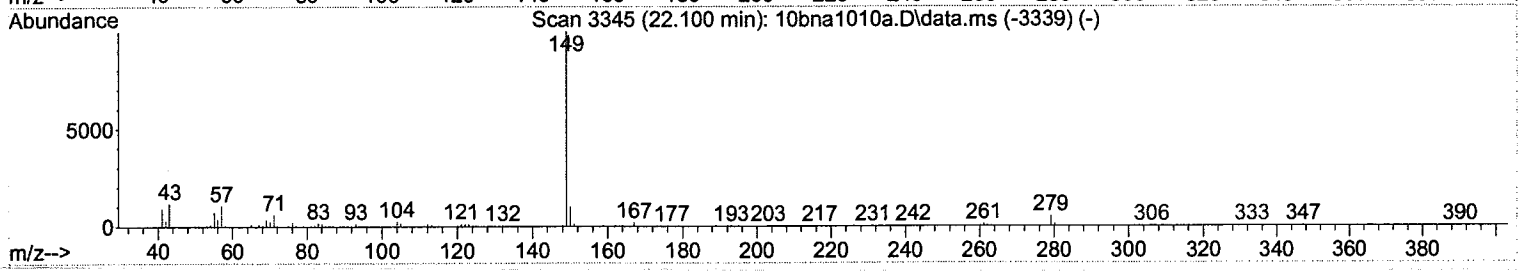
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-03 10x.D
Acq On : 10 Oct 2014 13:36
Operator : JLB
Sample : 1409479-03 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 15:02:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-03 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.341min (+ 0.216) 0.46 ng/uL

response 30102

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	3.06#
0.00	0.00	0.00
0.00	0.00	0.00

pp

002609

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB02-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-04 File ID: 1409479-04.D

Sampled: 09/25/14 10:00 Prepared: 10/01/14 07:29 Analyzed: 10/07/14 19:48

Solids: 97.54 Preparation: 3550C Sonication Extract Initial/Final: 30.6 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	86	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	70	14	34	68	
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	290	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB02-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-04 File ID: 1409479-04.D

Sampled: 09/25/14 10:00 Prepared: 10/01/14 07:29 Analyzed: 10/07/14 19:48

Solids: 97.54 Preparation: 3550C Sonication Extract Initial/Final: 30.6 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	50	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	670	142	21	33 - 113	*
Phenol-d6	670	241	36	30 - 115	
Nitrobenzene-d5	335	277	83	33 - 131	
2-Fluorobiphenyl	335	294	88	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB02-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-04
File ID: 1409479-04.D
Sampled: 09/25/14 10:00
Prepared: 10/01/14 07:29
Analyzed: 10/07/14 19:48
Solids: 97.54
Preparation: 3550C Sonication Extract
Initial/Final: 30.6 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	670	561	84	12 - 124	
o-Terphenyl	335	311	93	20 - 155	

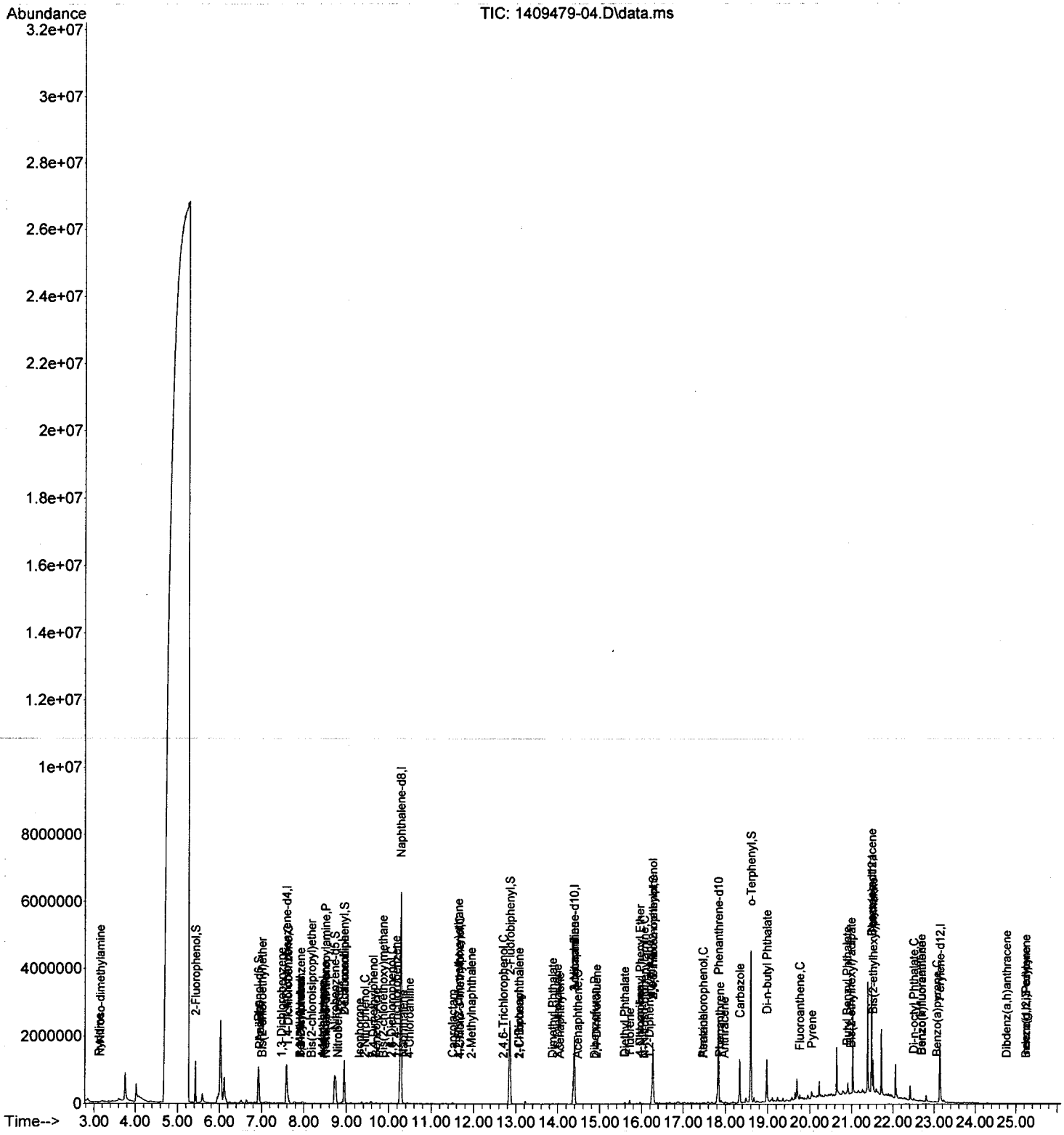
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	442684	7.59	403279	7.614	
Naphthalene-d8	1642666	10.289	1529030	10.359	
Acenaphthene-d10	1030335	14.392	866604	14.474	
Phenanthrene-d10	1675965	17.837	1400442	17.901	
Chrysene-d12	1398226	21.486	1153654	21.538	
Perylene-d12	1000043	23.147	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-04.D
Acq On : 7 Oct 2014 19:48
Operator : JLB
Sample : 1409479-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 08:40:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-04.D
Acq On : 7 Oct 2014 19:48
Operator : JLB
Sample : 1409479-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 08:40:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	442684	5.00	ng/uL	# 0.04
20) Naphthalene-d8	10.289	136	1642666	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.392	164	1030335	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.837	188	1675965	5.00	ng/uL	0.00
81) Chrysene-d12	21.486	240	1398226	5.00	ng/uL	# 0.00
89) Perylene-d12	23.147	264	1000043	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	429728	4.25	ng/uL	0.29
6) Phenol-d6	6.926	99	941431	7.19	ng/uL	0.07
21) Nitrobenzene-d5	8.727	82	869131	8.28	ng/uL	0.00
23) Decafluorobiphenyl	8.949	334	664410	9.02	ng/uL	0.00
47) 2-Fluorobiphenyl	12.865	172	1871533	8.79	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	425866	16.75	ng/uL	-0.01
78) o-Terphenyl	18.607	230	1335117	9.29	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.149	74	160	0.00	ng/uL#	1
3) Pyridine	3.120	79	611	0.01	ng/uL#	67
5) Aniline	6.949	93	211	0.22	ng/uL#	1
7) Phenol	6.955	94	9568	0.06	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.013	93	607	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.468	146	2434	0.02	ng/uL	94
11) 1,4-Dichlorobenzene	7.620	146	1107	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.923	146	2232	0.02	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.179	45	1043	0.01	ng/uL#	51
14) Benzyl Alcohol	7.911	108	117	0.00	ng/uL#	1
15) 2-Methylphenol	7.911	108	117	0.00	ng/uL#	1
16) Acetophenone	8.441	105	1177	0.01	ng/uL#	73
17) Hexachloroethane	8.500	119	116	0.00	ng/uL#	3
18) 4-Methylphenol	8.453	108	109	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.517	70	496	0.01	ng/uL	85
22) Nitrobenzene	8.797	77	202	0.00	ng/uL#	57
24) Isophorone	9.304	82	1837	0.01	ng/uL	96
25) 2-Chloroaniline	8.949	127	7659	0.06	ng/uL#	61
26) 2-Nitrophenol	9.432	139	55	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.636	107	67	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.869	93	77	0.00	ng/uL	100
29) 2,4-Dichlorophenol	10.068	162	130	0.00	ng/uL#	1
30) Benzoic Acid	9.700	105	10726m	2.57	ng/uL	
31) 1,2,4-Trichlorobenzene	10.178	180	931	0.01	ng/uL#	79
32) Naphthalene	10.342	128	1620	0.00	ng/uL#	1
33) 4-Chloroaniline	10.481	127	550	0.01	ng/uL	99
34) 2,6-Dichlorophenol	10.068	162	130	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.507	55	11076	0.23	ng/uL#	33
37) 1,2-Bis(2-chloroethoxy...	11.647	63	169	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.676	107	486	0.01	ng/uL#	1
39) 2-Methylnaphthalene	11.950	142	63	0.00	ng/uL#	65
40) 1-Methylnaphthalene	0.000		0	N.D.		
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-04.D
Acq On : 7 Oct 2014 19:48
Operator : JLB
Sample : 1409479-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 08:40:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	12.702	196	245	0.00 ng/uL#	58
46) 2,4,5-Trichlorophenol	12.702	196	245	0.00 ng/uL#	66
48) 2-Chloronaphthalene	13.081	162	589	0.00 ng/uL	98
49) 1,1'-Biphenyl	13.081	154	669	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.049	152	182	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.996	165	758	0.01 ng/uL#	21
53) Dimethyl Phthalate	13.880	163	9719	0.04 ng/uL#	90
54) 3-Nitroaniline	14.392	138	253	0.01 ng/uL#	1
55) Acenaphthene	14.468	153	81	0.00 ng/uL#	59
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.876	168	136	0.00 ng/uL#	74
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	14.923	165	262	0.00 ng/uL#	79
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.716	166	221	0.00 ng/uL#	1
63) Diethyl Phthalate	15.593	149	20831	0.10 ng/uL	94
64) 4-Chlorophenyl Phenyl ...	15.960	204	1944	0.02 ng/uL#	4
65) 4-Nitroaniline	15.960	138	165	0.00 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.275	198	955	1.01 ng/uL#	1
68) N-Nitroso-diphenylamine	16.065	169	209	0.00 ng/uL#	51
69) 1,2-Diphenylhydrazine	16.188	182	1099	0.02 ng/uL#	37
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.470	200	65	0.00 ng/uL#	25
74) Pentachlorophenol	17.470	266	898	0.02 ng/uL#	16
75) Phenanthrene	17.872	178	2363	0.01 ng/uL#	84
76) Anthracene	17.977	178	796	0.00 ng/uL#	81
77) Carbazole	18.344	167	26481	0.10 ng/uL#	63
79) Di-n-butyl Phthalate	18.985	149	672727	2.09 ng/uL	99
80) Fluoroanthene	19.766	202	1462	0.00 ng/uL#	70
82) Pyrene	20.052	202	1834	0.01 ng/uL#	1
83) Butyl Benzyl Phthalate	20.891	149	8195	0.06 ng/uL#	47
84) Bis(2-ethylhexyl) adipate	20.991	129	3462	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.486	228	4898	0.02 ng/uL#	1
86) Chrysene	21.486	228	4898	0.02 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.521	149	247612	1.48 ng/uL	90
88) Di-n-octyl Phthalate	22.506	149	101700	0.67 ng/uL#	75
90) Benzo(b)fluoroanthene	22.681	252	486	0.00 ng/uL#	13
91) Benzo(k)fluoranthene	22.698	252	247	0.00 ng/uL#	1
92) Benzo(a)pyrene	23.071	252	495	0.00 ng/uL#	1
93) Indeno(1,2,3-cd)pyrene	25.245	276	858	0.01 ng/uL#	63
94) Dibdenz(a,h)anthracene	24.773	278	359	0.00 ng/uL	95
95) Benzo(g,h,i)Perylene	25.245	276	858	0.01 ng/uL#	66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-04.D
Acq On : 7 Oct 2014 19:48
Operator : JLB
Sample : 1409479-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 07:57:43 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

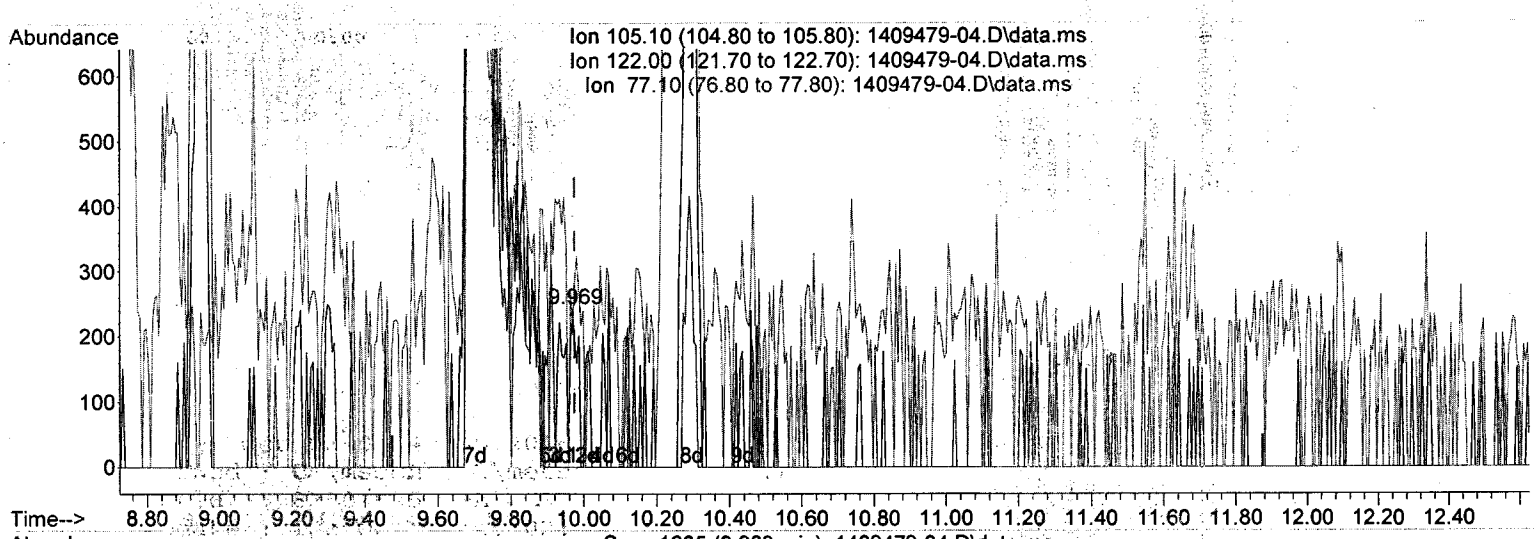
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.590	152	420396	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.289	136	1642666	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.392	164	1026635	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.837	188	1678766	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	1372352	5.00	ng/uL	#	0.00
22) Perylene-d12	23.147	264	1001346	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.172	74	277	0.00	ng/uL	#	1
3) Pyridine	3.161	79	860	0.01	ng/uL	#	56
4) Aniline	6.949	93	211	0.00	ng/uL	#	1
5) Benzaldehyde	6.734	105	1152	0.01	ng/uL	#	1
6) Acetophenone	8.441	105	1177	0.01	ng/uL	#	60
7) N-Nitroso-di-n-propyla...	8.517	70	496	0.01	ng/uL		85
9) 4-Chloroaniline	10.481	127	550	0.01	ng/uL		99
10) Caprolactam	11.268	55	3799	0.17	ng/uL	#	54
12) 1,1'-Biphenyl	13.081	154	669	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.392	138	253	Below Cal		#	1
15) 4-Nitroaniline	15.960	138	165	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.065	169	209	0.00	ng/uL	#	51
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.906	184	348	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.521	252	703	0.01	ng/uL	#	59

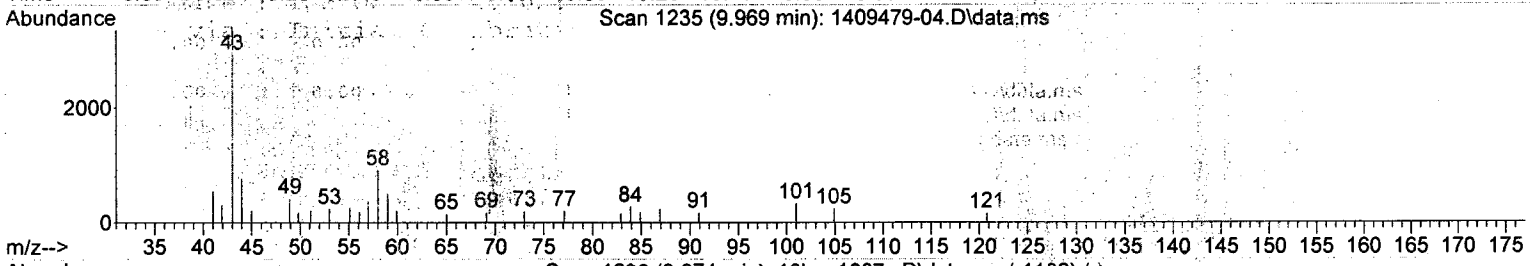
(#) = qualifier out of range (m) = manual integration (+) = signals summed

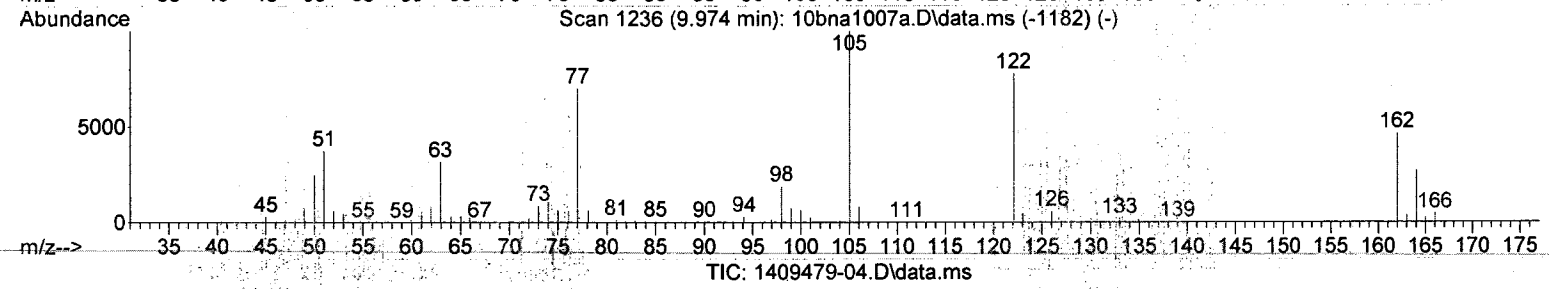
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-04.D
Acq On : 7 Oct 2014 19:48
Operator : JLB
Sample : 1409479-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 08:40:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-04.D\data.ms

(30) Benzoic Acid

9.969min (-0.006) 2.46 ng/uL

response 345

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	182.90#
0.00	0.00	0.00

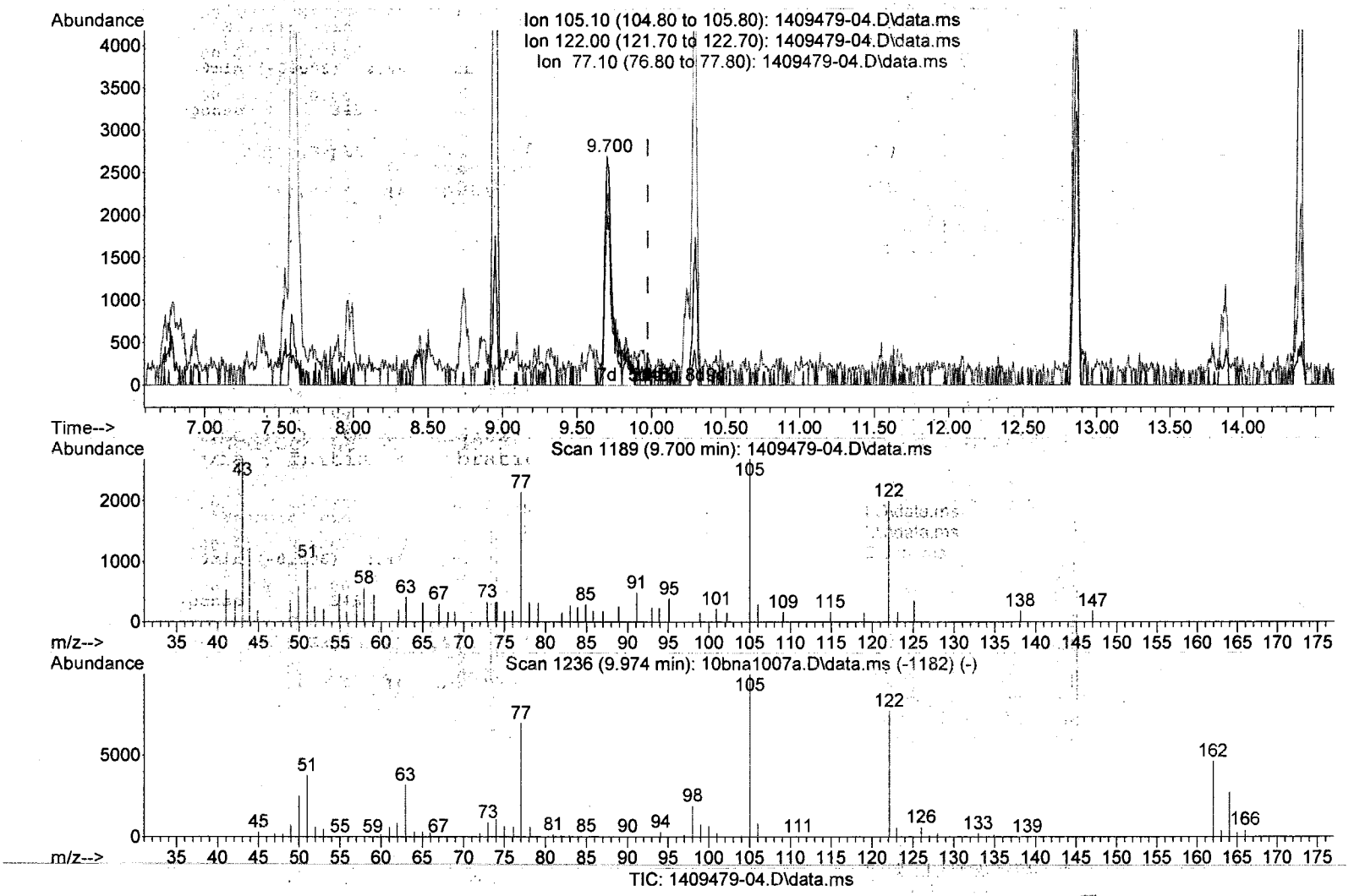
JLB 10/9/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-04.D
Acq On : 7 Oct 2014 19:48
Operator : JLB
Sample : 1409479-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 08:40:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-04.D\data.ms

(30) Benzoic Acid

9.700min (-0.274) 2.57 ng/uL m

response 10726

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	5.88#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No

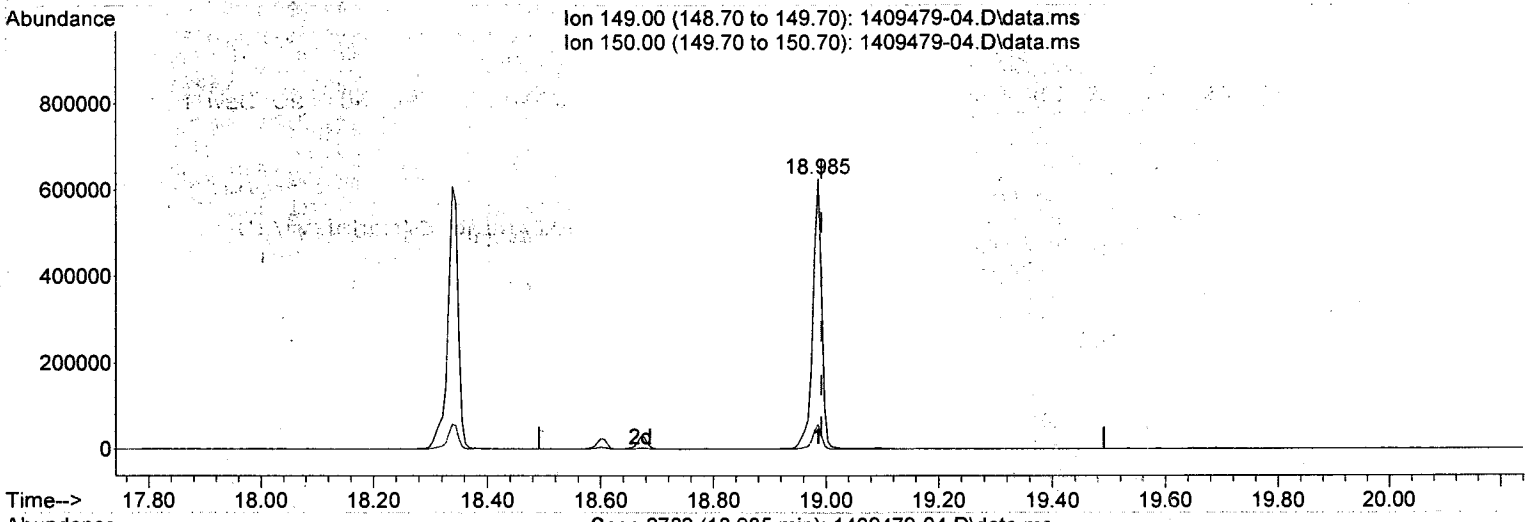
Analyst: JLB Date: 10/9/14

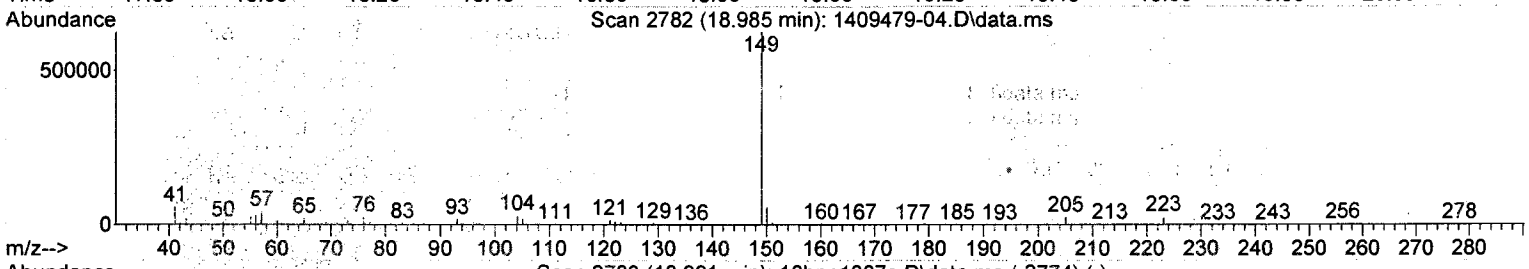
Reviewed By: DWS Date: 10-7-14

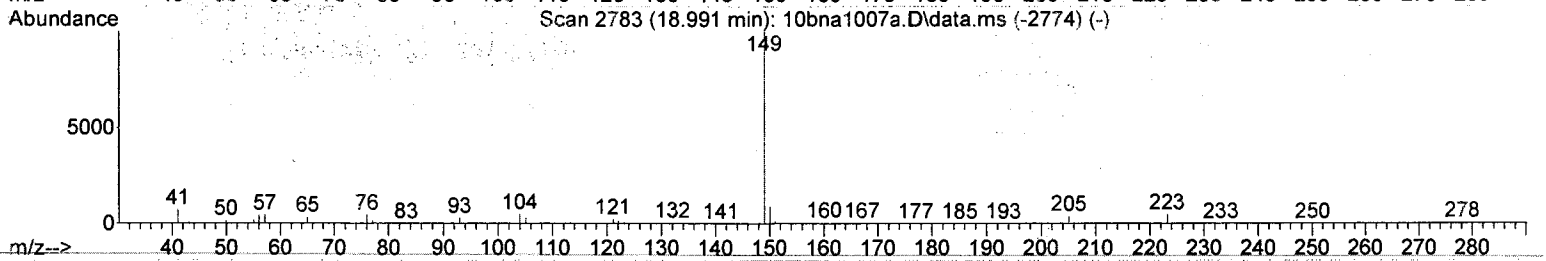
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-04.D
Acq On : 7 Oct 2014 19:48
Operator : JLB
Sample : 1409479-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 08:40:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-04.D\data.ms

(79) Di-n-butyl Phthalate

18.985min (-0.006) 2.09 ng/uL

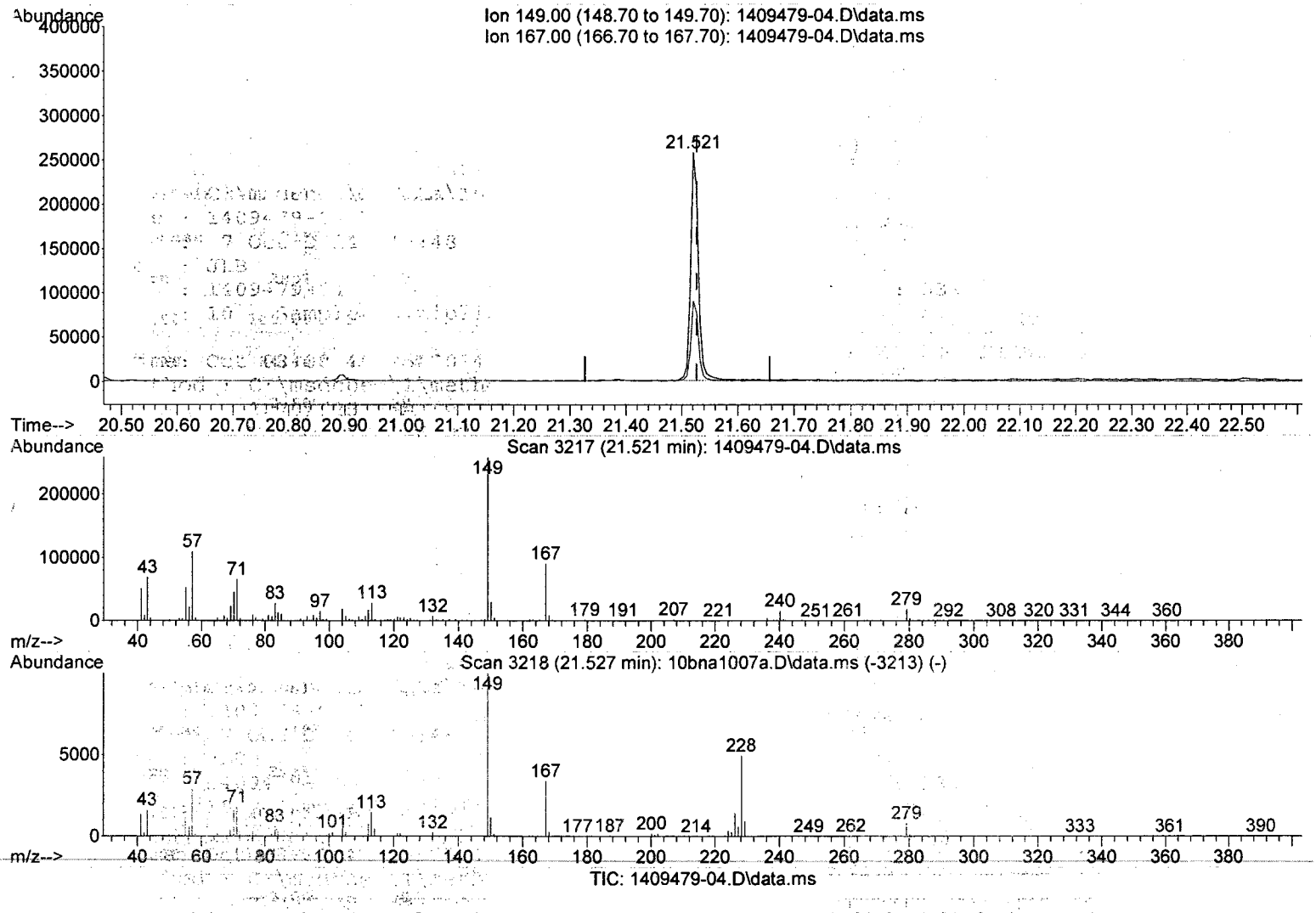
response 672727

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-04.D
Acq On : 7 Oct 2014 19:48
Operator : JLB
Sample : 1409479-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 08:40:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-04.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.521min (-0.006) 1.48 ng/uL

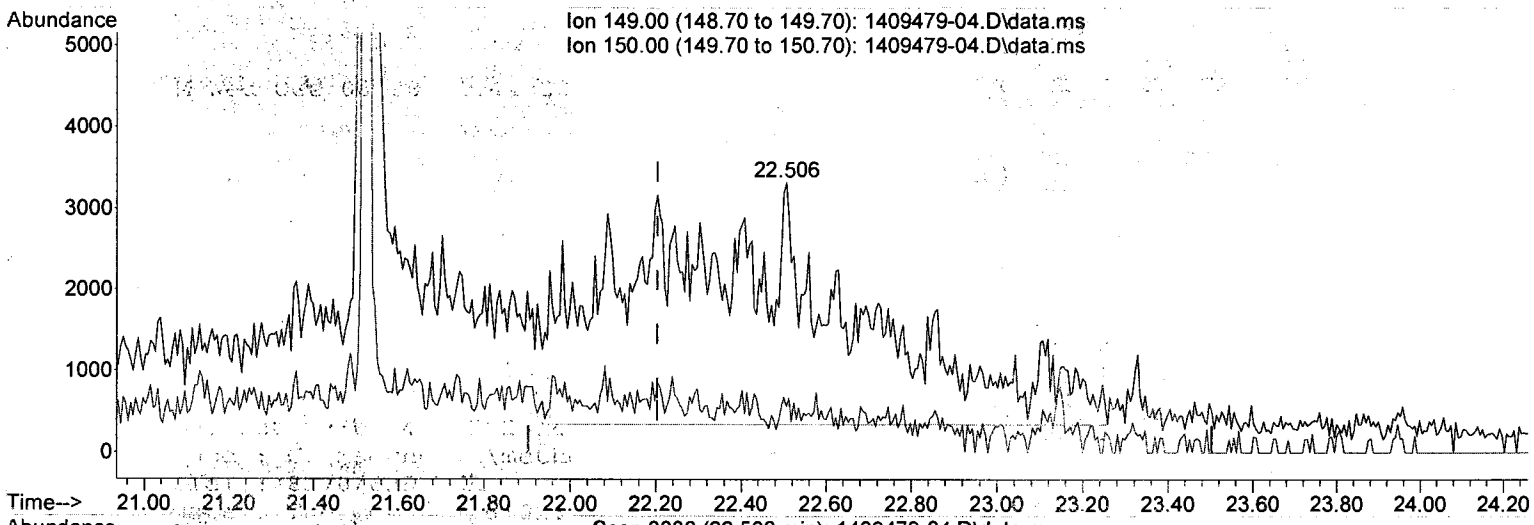
response 247612

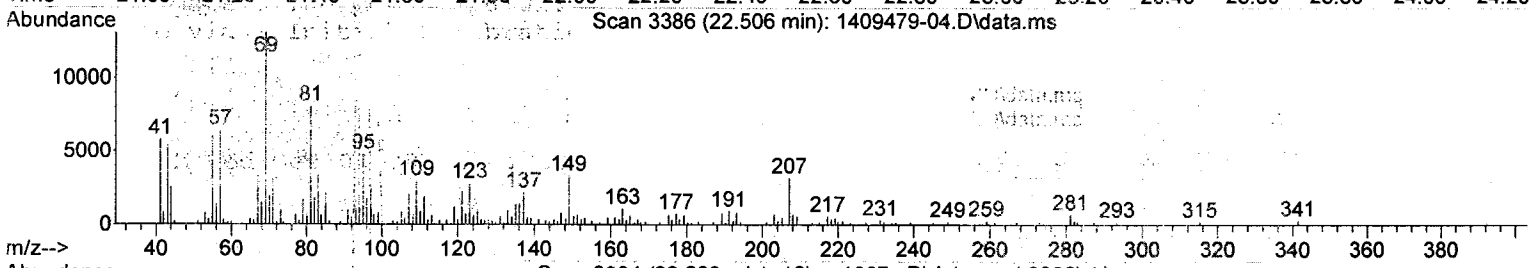
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.57
0.00	0.00	0.00
0.00	0.00	0.00

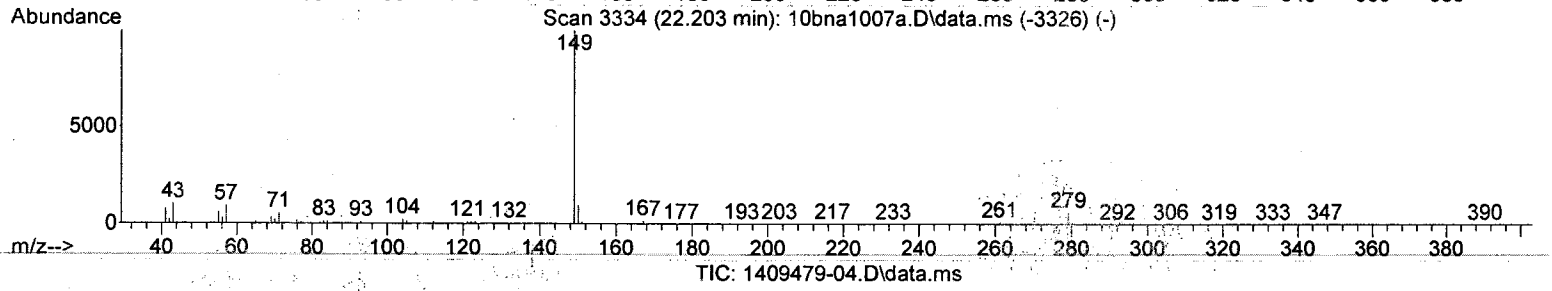
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-04.D
Acq On : 7 Oct 2014 19:48
Operator : JLB
Sample : 1409479-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 08:40:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-04.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.506min (+ 0.303) 0.67 ng/uL

response 101700

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.55#
0.00	0.00	0.00
0.00	0.00	0.00

RT pp

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB02-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-04RE1 File ID: 1409479-04 re1.D

Sampled: 09/25/14 10:00 Prepared: 10/08/14 07:29 Analyzed: 10/10/14 11:27

Solids: 97.54 Preparation: 3550C Sonication Extract Initial/Final: 30.5 grams / 1 mL

QC Batch: 1410496 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	88	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	290	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB02-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-04RE1 File ID: 1409479-04 re1.D

Sampled: 09/25/14 10:00 Prepared: 10/08/14 07:29 Analyzed: 10/10/14 11:27

Solids: 97.54 Preparation: 3550C Sonication Extract Initial/Final: 30.5 grams / 1 mL

QC Batch: 1410496 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	71	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	672	538	80	33 - 113	
Phenol-d6	672	589	88	30 - 115	
Nitrobenzene-d5	336	318	95	33 - 131	
2-Fluorobiphenyl	336	326	97	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB02-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-04RE1
File ID: 1409479-04 re1.D
Sampled: 09/25/14 10:00
Prepared: 10/08/14 07:29
Analyzed: 10/10/14 11:27
Solids: 97.54
Preparation: 3550C Sonication Extract
Initial/Final: 30.5 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	672	577	86	12 - 124	
o-Terphenyl	336	353	105	20 - 155	

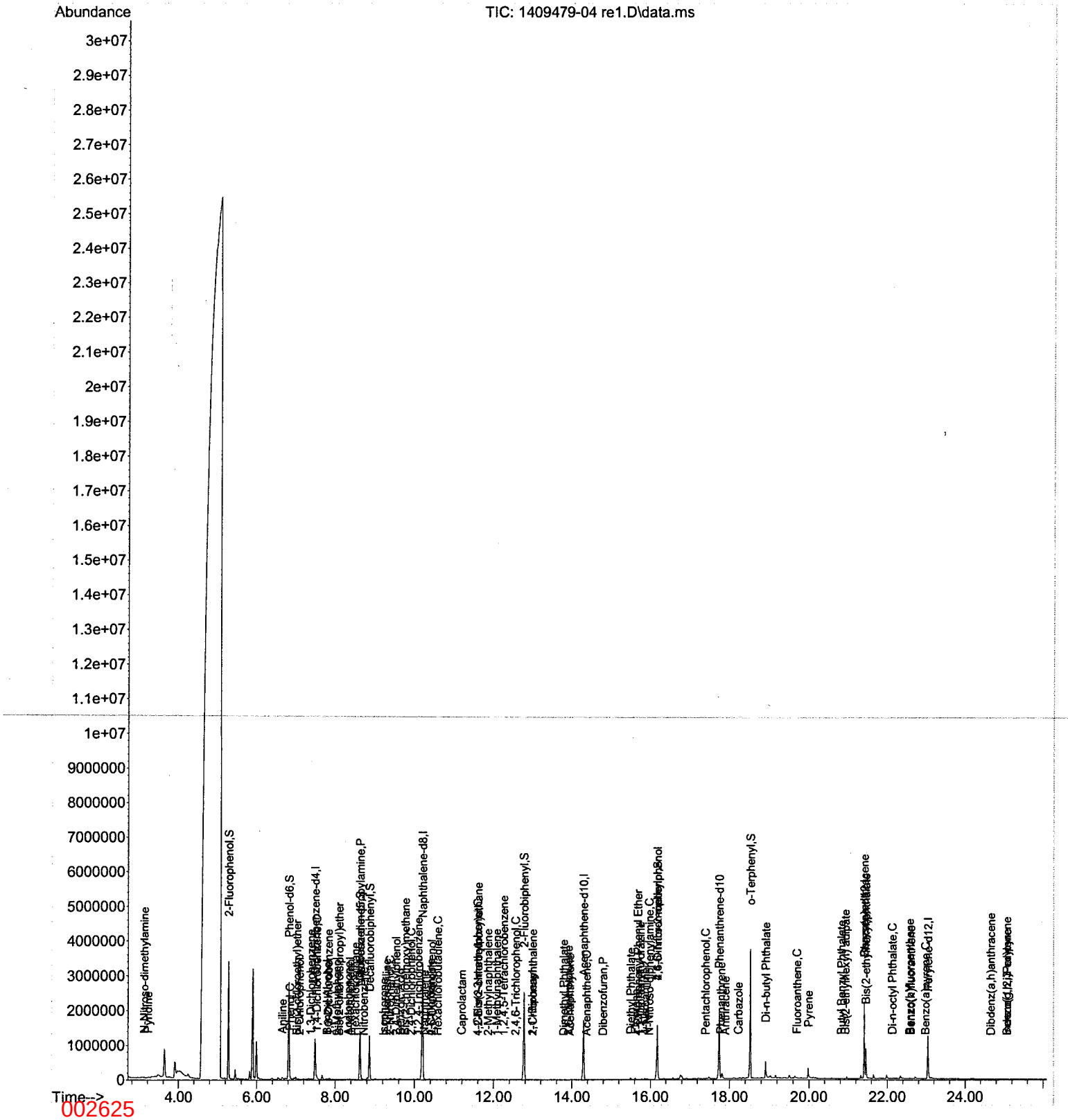
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	373930	7.49	403279	7.614	
Naphthalene-d8	1398614	10.2	1529030	10.359	
Acenaphthene-d10	791378	14.298	866604	14.474	
Phenanthrene-d10	1215653	17.748	1400442	17.901	
Chrysene-d12	960458	21.414	1153654	21.538	
Perylene-d12	745410	23.046	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-04 re1.D
Acq On : 10 Oct 2014 11:27
Operator : JLB
Sample : 1409479-04 re1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 14:58:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-04 re1.D
Acq On : 10 Oct 2014 11:27
Operator : JLB
Sample : 1409479-04 re1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 14:58:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.490	152	373930	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.200	136	1398614	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.298	164	791378	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.748	188	1215653	5.00	ng/uL	0.00
81) Chrysene-d12	21.414	240	960458	5.00	ng/uL	# 0.00
89) Perylene-d12	23.046	264	745410	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.281	112	1367149	16.00	ng/uL	0.25
6) Phenol-d6	6.819	99	1937495	17.52	ng/uL	0.05
21) Nitrobenzene-d5	8.632	82	846635	9.47	ng/uL	0.00
23) Decafluorobiphenyl	8.865	334	568574	9.07	ng/uL	0.00
47) 2-Fluorobiphenyl	12.771	172	1584838	9.69	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.180	330	316533	17.17	ng/uL	-0.01
78) o-Terphenyl	18.529	230	1093274	10.49	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.112	74	483	0.01	ng/uL	86
3) Pyridine	3.212	79	1907	0.02	ng/uL	94
5) Aniline	6.650	93	1075	0.23	ng/uL#	33
7) Phenol	6.843	94	4126	0.03	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.018	93	295	0.00	ng/uL#	61
9) 2-Chlorophenol	7.088	128	873	0.01	ng/uL#	85
10) 1,3-Dichlorobenzene	7.373	146	3010	0.03	ng/uL#	1
11) 1,4-Dichlorobenzene	7.531	146	1626	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.822	146	3220	0.03	ng/uL	93
13) Bis(2-chloroisipropyl)...	8.096	45	3142	0.02	ng/uL#	68
14) Benzyl Alcohol	7.793	108	2739	0.04	ng/uL#	76
15) 2-Methylphenol	8.038	108	541	0.01	ng/uL#	1
16) Acetophenone	8.329	105	1822	0.01	ng/uL#	84
17) Hexachloroethane	8.510	119	477	0.01	ng/uL#	57
18) 4-Methylphenol	8.376	108	1160	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.632	70	109577	1.63	ng/uL#	9
22) Nitrobenzene	8.720	77	347	0.00	ng/uL#	1
24) Isophorone	9.215	82	2297	0.01	ng/uL#	89
25) 2-Chloroaniline	9.291	127	118	0.00	ng/uL#	1
26) 2-Nitrophenol	9.372	139	109	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.530	107	657	0.01	ng/uL	92
28) Bis(2-chlorethoxy)methane	9.769	93	372	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	9.909	162	598	0.01	ng/uL#	30
30) Benzoic Acid	9.635	105	12464m	2.62	ng/uL	
31) 1,2,4-Trichlorobenzene	10.089	180	1765	0.02	ng/uL	90
32) Naphthalene	10.247	128	3154	0.01	ng/uL#	1
33) 4-Chloroaniline	10.404	127	738	0.01	ng/uL#	15
34) 2,6-Dichlorophenol	10.427	162	503	0.01	ng/uL#	1
35) Hexachlorobutadiene	10.579	225	60	0.00	ng/uL#	46
36) Caprolactam	11.191	55	12004	0.30	ng/uL#	35
37) 1,2-Bis(2-chloroethoxy...	11.605	63	164	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.593	107	932	0.01	ng/uL#	18
39) 2-Methylnaphthalene	11.855	142	1289	0.01	ng/uL#	84
40) 1-Methylnaphthalene	12.077	142	1009	0.01	ng/uL#	78
41) 1,3 Dinitrobenzene	0.000		0	N.D.		
43) 1,2,4,5-Tetrachloroben...	12.252	216	216	0.00	ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	12.555	196	311	0.01	ng/uL#	10
46) 2,4,5-Trichlorophenol	12.555	196	311	0.01	ng/uL#	11

002626

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-04 re1.D
Acq On : 10 Oct 2014 11:27
Operator : JLB
Sample : 1409479-04 re1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 14:58:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48) 2-Chloronaphthalene	12.986	162	847	0.01 ng/uL#	86
49) 1,1'-Biphenyl	12.980	154	963	0.00 ng/uL#	77
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.948	152	757	0.00 ng/uL#	73
52) 2,6-Dinitrotoluene	13.907	165	152	0.00 ng/uL#	31
53) Dimethyl Phthalate	13.785	163	1278	0.01 ng/uL#	65
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.373	153	603	0.00 ng/uL#	87
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.793	168	666	0.00 ng/uL	95
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.615	166	604	0.00 ng/uL#	14
63) Diethyl Phthalate	15.498	149	22784	0.14 ng/uL	95
64) 4-Chlorophenyl Phenyl ...	15.679	204	127	0.00 ng/uL#	1
65) 4-Nitroaniline	15.866	138	310	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.180	198	766	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	15.970	169	448	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	15.743	182	57	0.00 ng/uL	93
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.404	266	61	0.00 ng/uL#	1
75) Phenanthrene	17.789	178	3174	0.01 ng/uL#	90
76) Anthracene	17.894	178	851	0.00 ng/uL	100
77) Carbazole	18.226	167	977	0.00 ng/uL#	84
79) Di-n-butyl Phthalate	18.914	149	15795	0.07 ng/uL#	87
80) Fluoroanthene	19.695	202	1759	0.01 ng/uL	97
82) Pyrene	19.986	202	1982	0.01 ng/uL#	1
83) Butyl Benzyl Phthalate	20.826	149	1758	0.02 ng/uL	98
84) Bis(2-ethylhexyl) adipate	20.925	129	2885	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.414	228	2981	0.02 ng/uL#	1
86) Chrysene	21.414	228	2981	0.02 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.455	149	241580	2.10 ng/uL	90
88) Di-n-octyl Phthalate	22.125	149	46737	~~0.56~~ ng/uL#	75
90) Benzo(b)fluoroanthene	22.568	252	923	0.01 ng/uL#	71
91) Benzo(k)fluoranthene	22.603	252	694	0.00 ng/uL#	67
92) Benzo(a)pyrene	22.976	252	547	0.00 ng/uL#	86
93) Indeno(1,2,3-cd)pyrene	25.075	276	1128	0.01 ng/uL#	88
94) Dibdenz(a,h)anthracene	24.661	278	212	0.00 ng/uL#	60
95) Benzo(g,h,i)Perylene	25.075	276	1128	0.01 ng/uL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

002627

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-04 re1.D
Acq On : 10 Oct 2014 11:27
Operator : JLB
Sample : 1409479-04 re1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 14:54:57 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:52:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.490	152	369164	5.00	ng/uL	# 0.03
8) Naphthalene-d8	10.200	136	1398614	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.298	164	790899	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.748	188	1216857	5.00	ng/uL	0.00
19) Chrysene-d12	21.414	240	960458	5.00	ng/uL	# 0.00
22) Perylene-d12	23.046	264	745410	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.833	74	3196	0.05	ng/uL	93
3) Pyridine	2.973	79	1301	0.01	ng/uL#	60
4) Aniline	6.650	93	1075	0.01	ng/uL#	33
5) Benzaldehyde	6.615	105	137	0.00	ng/uL#	1
6) Acetophenone	8.329	105	1822	0.01	ng/uL#	84
7) N-Nitroso-di-n-propyla...	8.347	70	1365	0.02	ng/uL#	10
9) 4-Chloroaniline	10.748	127	108	0.01	ng/uL	88
10) Caprolactam	11.191	55	4374	0.19	ng/uL#	48
12) 1,1'-Biphenyl	12.980	154	963	0.00	ng/uL#	77
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	15.866	138	310	Below Cal	#	1
17) N-Nitroso-diphenylamine	15.970	169	448	0.00	ng/uL#	26
18) Atrazine	0.000		0	N.D.		
20) Benzidine	19.998	184	128	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.		

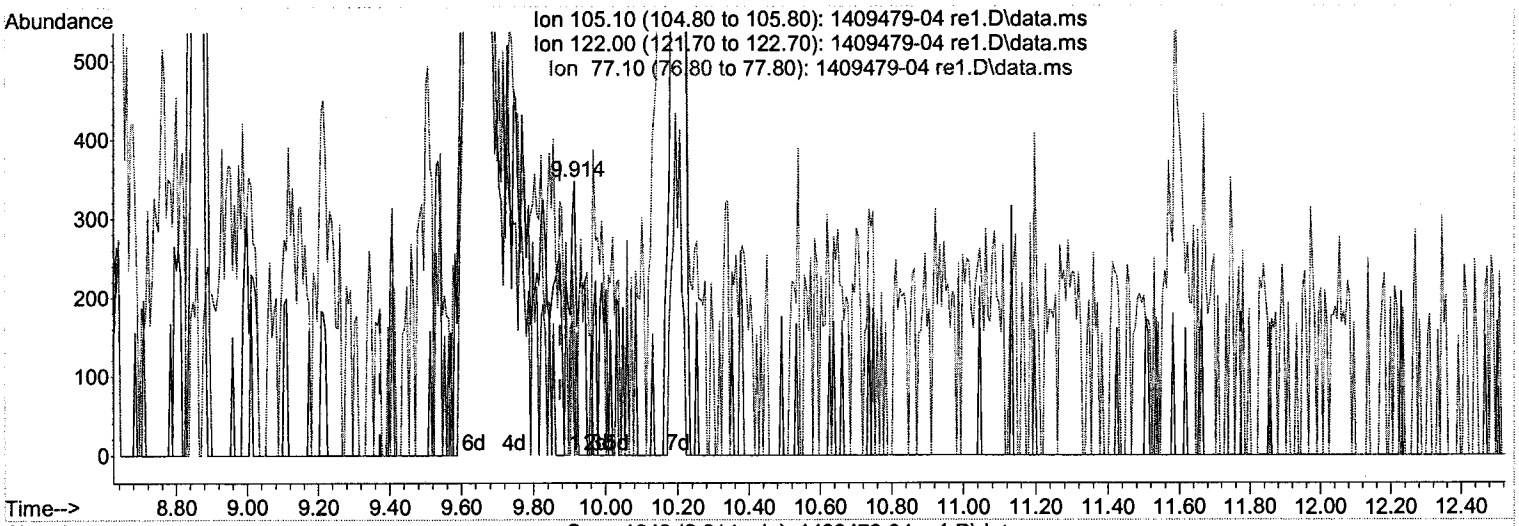
(#) = qualifier out of range (m) = manual integration (+) = signals summed

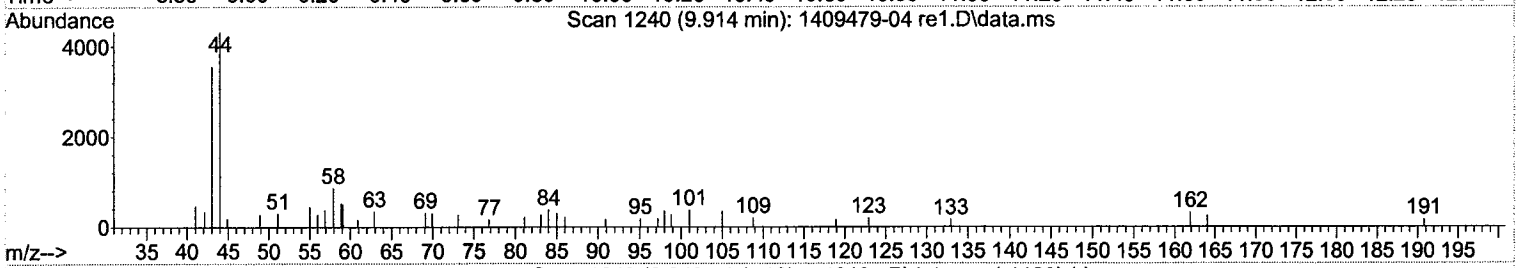
002628

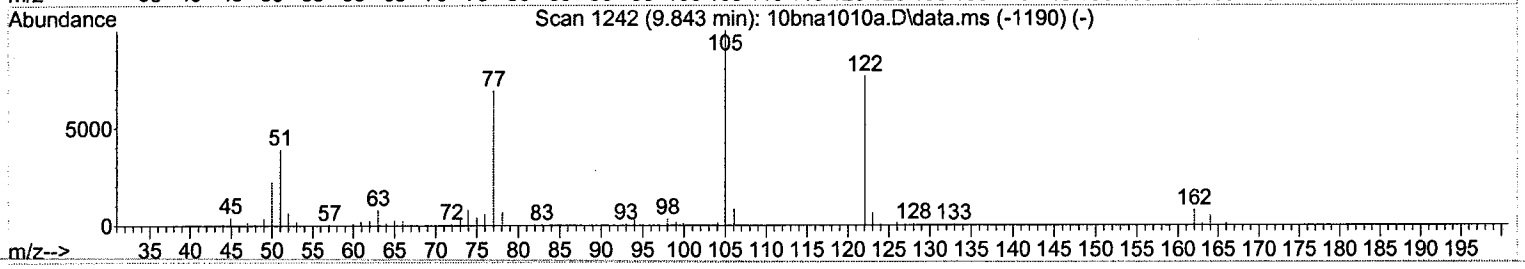
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-04 re1.D
Acq On : 10 Oct 2014 11:27
Operator : JLB
Sample : 1409479-04 re1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 14:57:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-04 re1.D\data.ms

(30) Benzoic Acid

9.914min (+ 0.041) 2.46 ng/uL

response 786

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	21.63#
77.10	74.70	17.56#
0.00	0.00	0.00

JWS 10/15/14

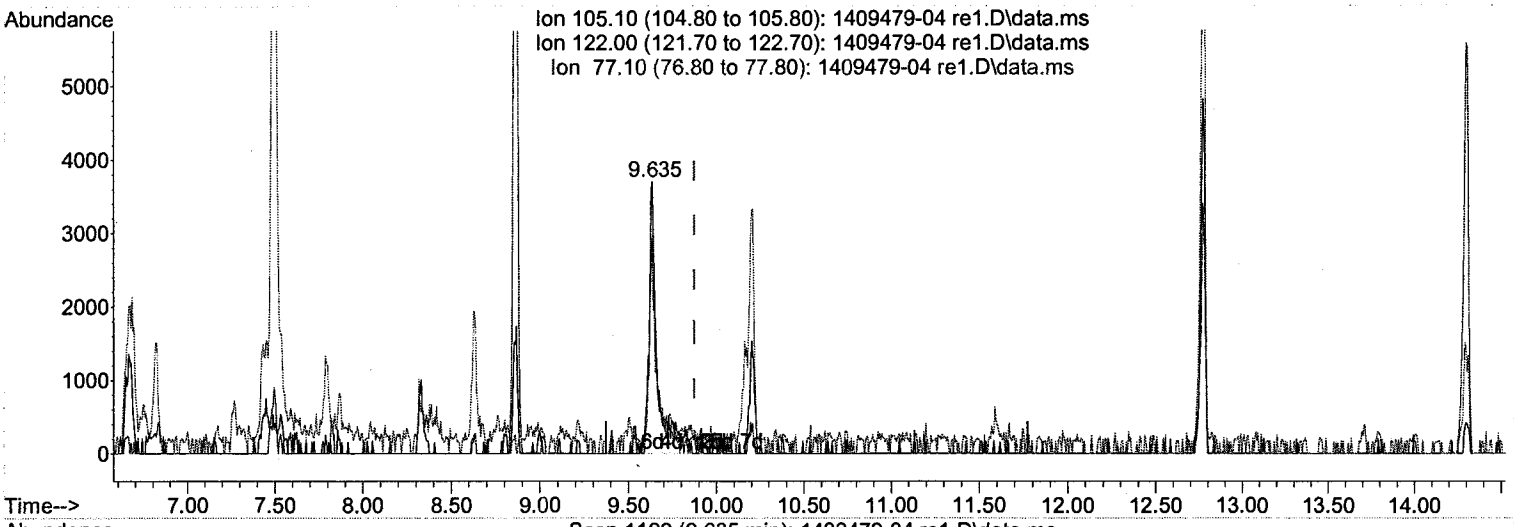
DWS 10-17-14

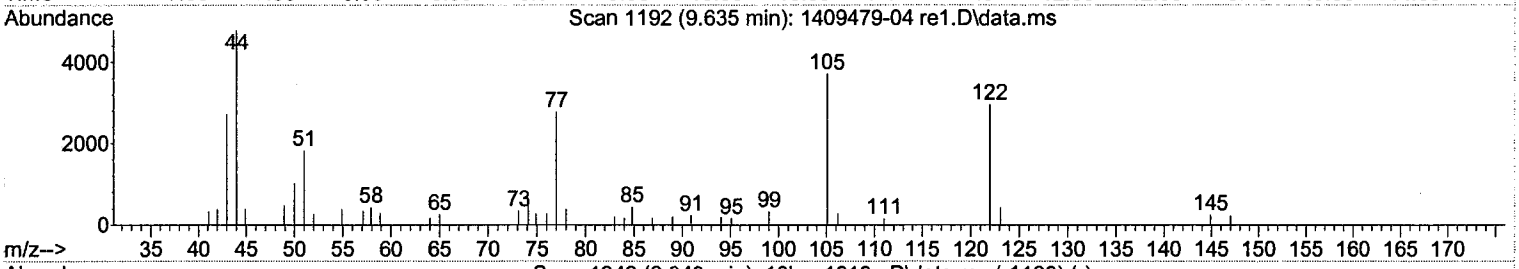
002629

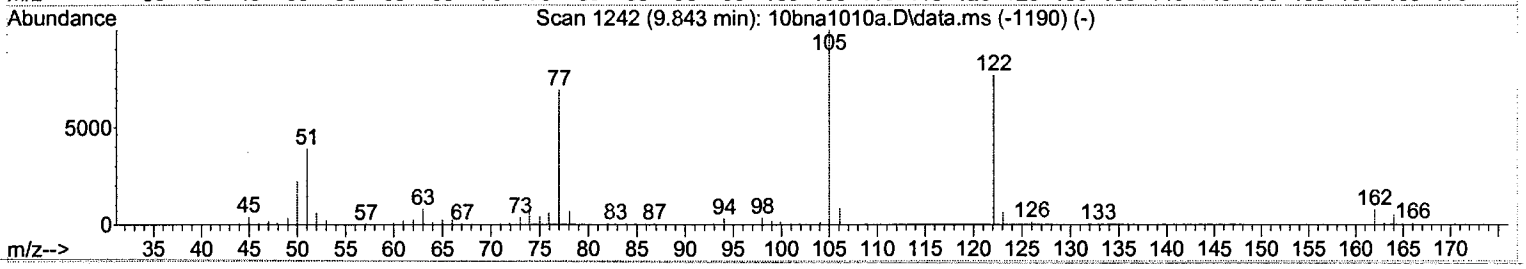
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-04 re1.D
Acq On : 10 Oct 2014 11:27
Operator : JLB
Sample : 1409479-04 re1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 14:57:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-04 re1.D\data.ms

(30) Benzoic Acid

9.635min (-0.239) 2.62 ng/uL m

response 12464

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	1.36#
77.10	74.70	1.11#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

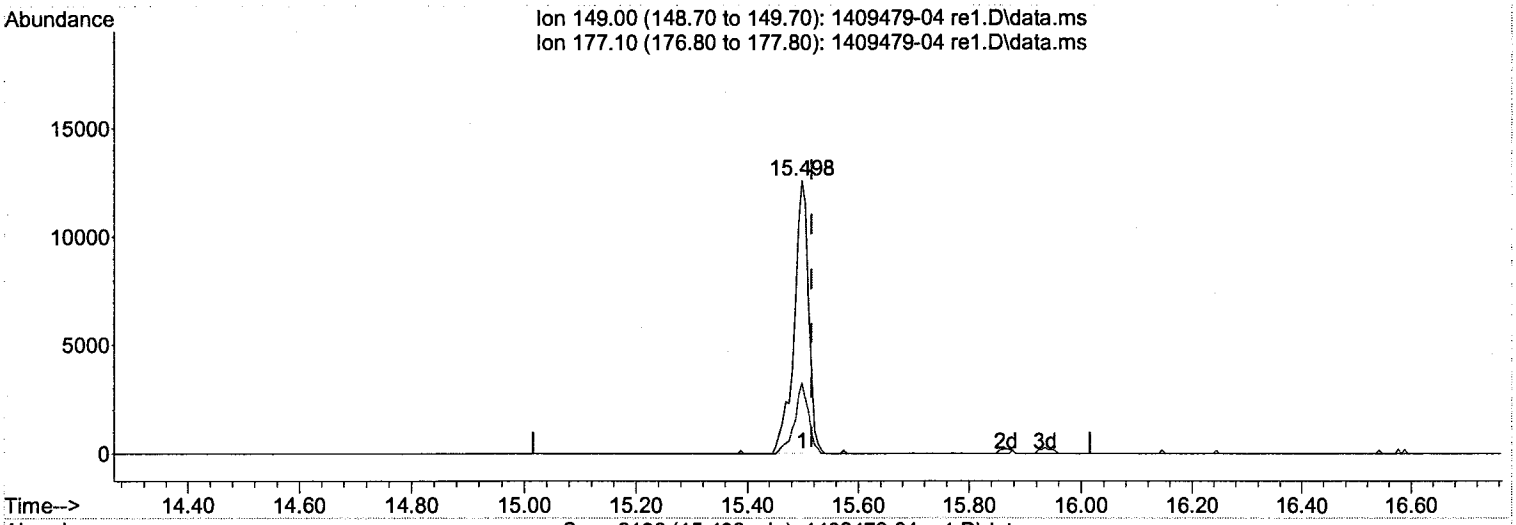
Flagged on Quantitation Report: (Yes) / No
Analyst: JW Date: 10/15/14
Reviewed By: DWS Date: 10-17-14

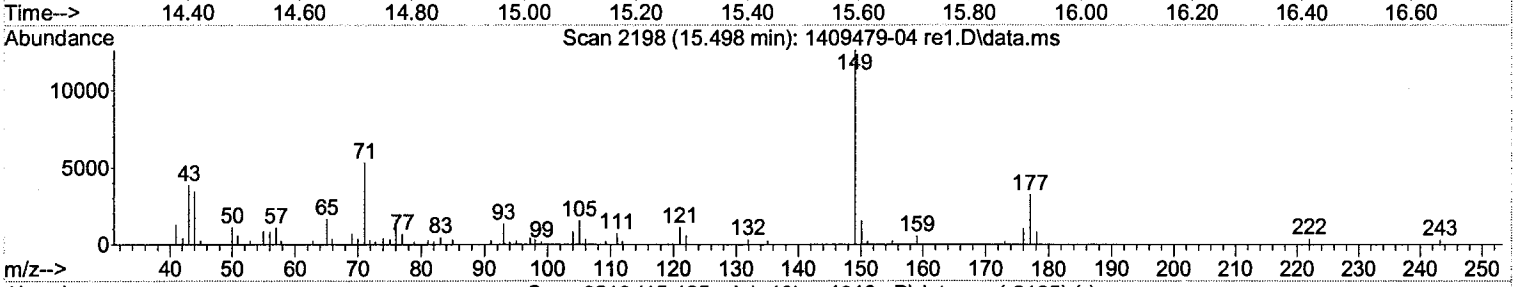
002630

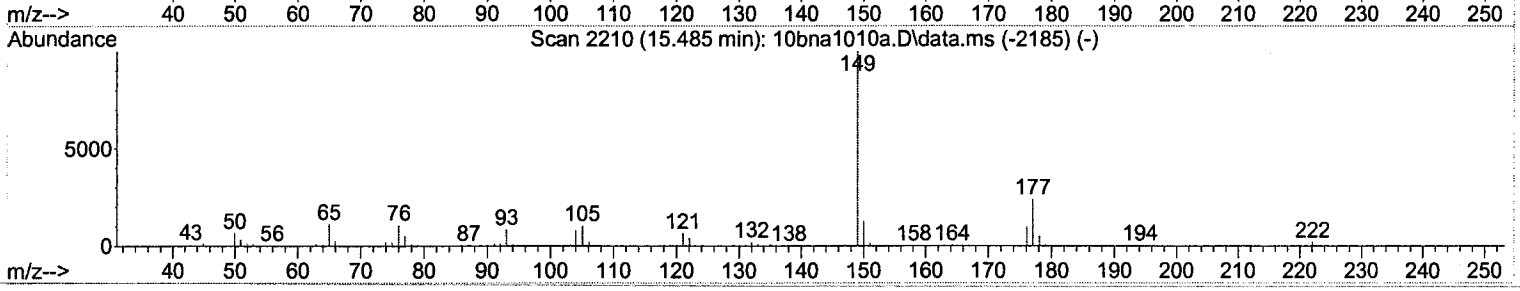
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-04 re1.D
Acq On : 10 Oct 2014 11:27
Operator : JLB
Sample : 1409479-04 re1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 14:57:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-04 re1.D\data.ms

(63) Diethyl Phthalate

15.498min (-0.017) 0.14 ng/uL

response 22784

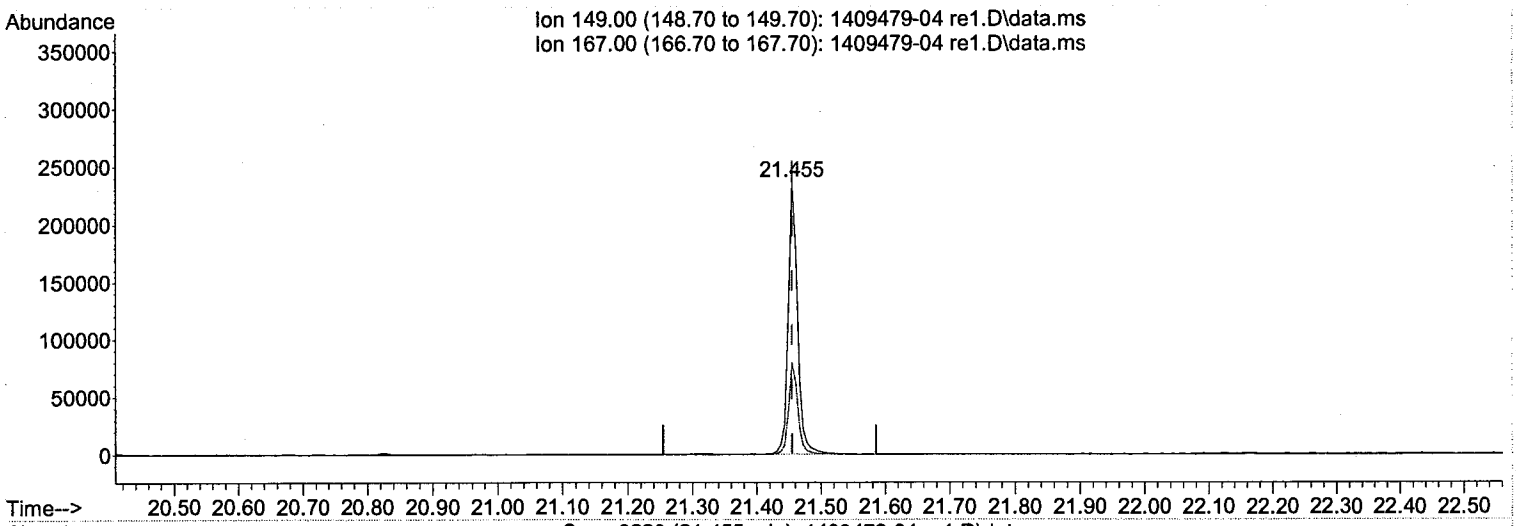
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	24.86
0.00	0.00	0.00
0.00	0.00	0.00

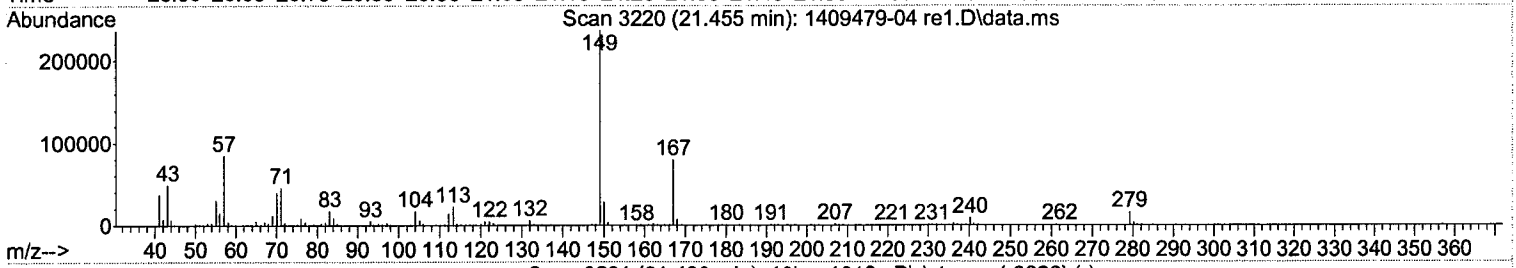
002631

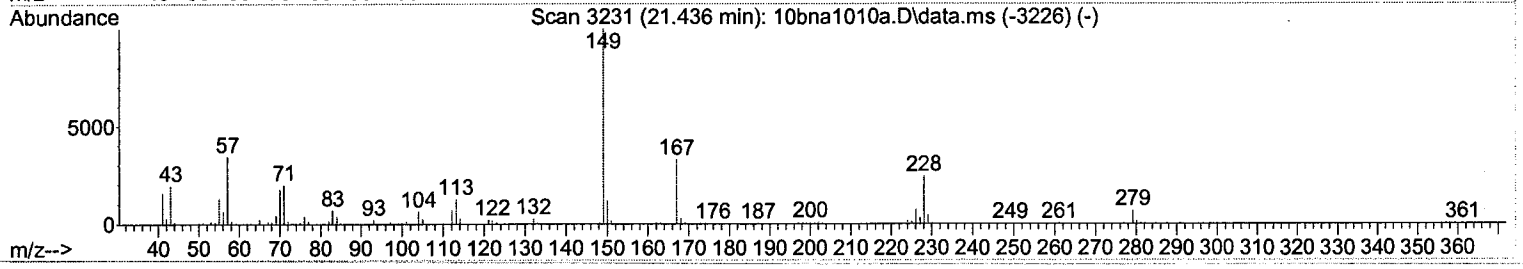
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-04 re1.D
Acq On : 10 Oct 2014 11:27
Operator : JLB
Sample : 1409479-04 re1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 14:57:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-04 re1.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.455min (+ 0.000) 2.10 ng/uL

response 241580

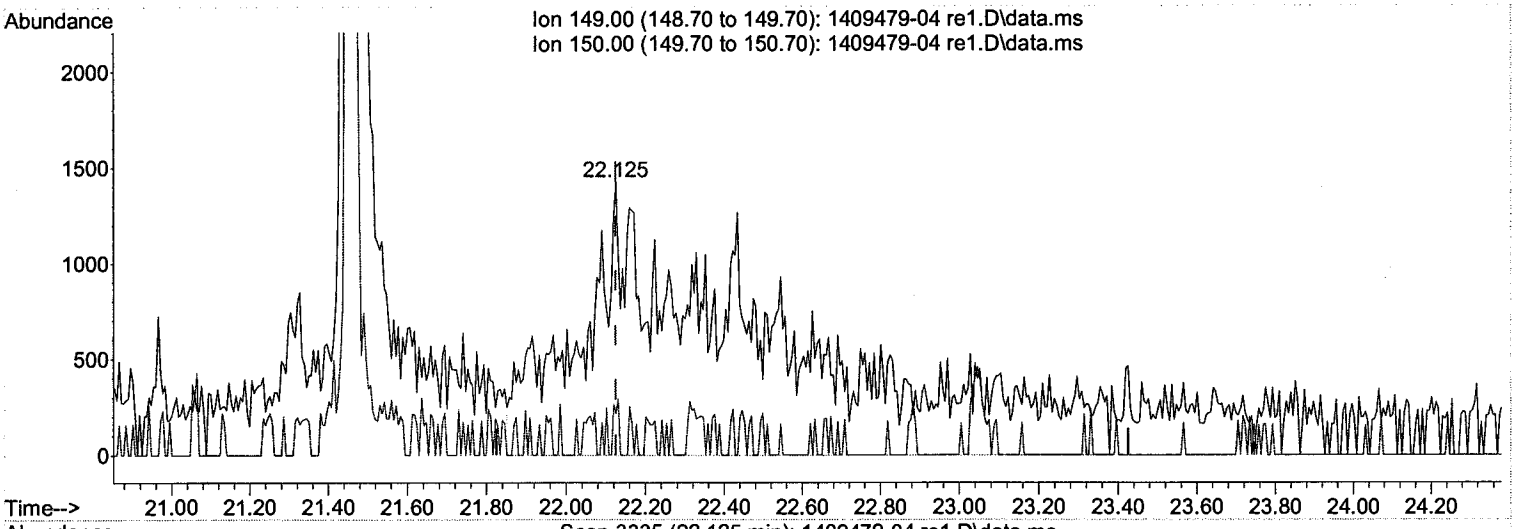
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.56
0.00	0.00	0.00
0.00	0.00	0.00

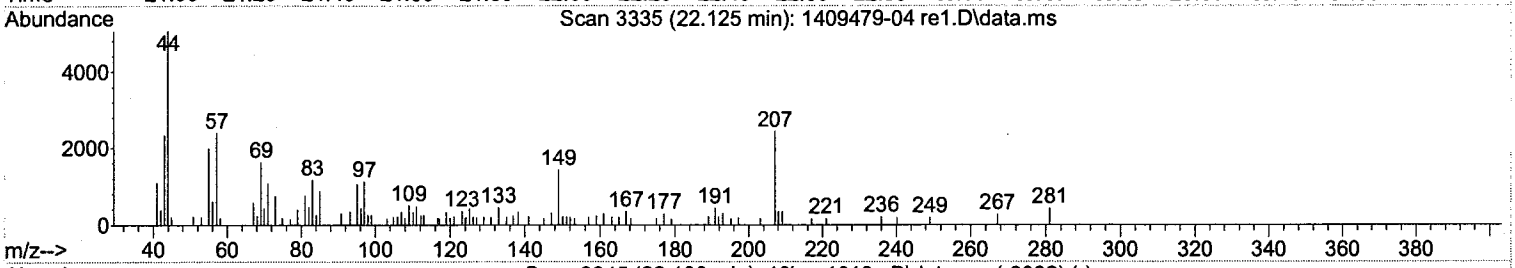
002632

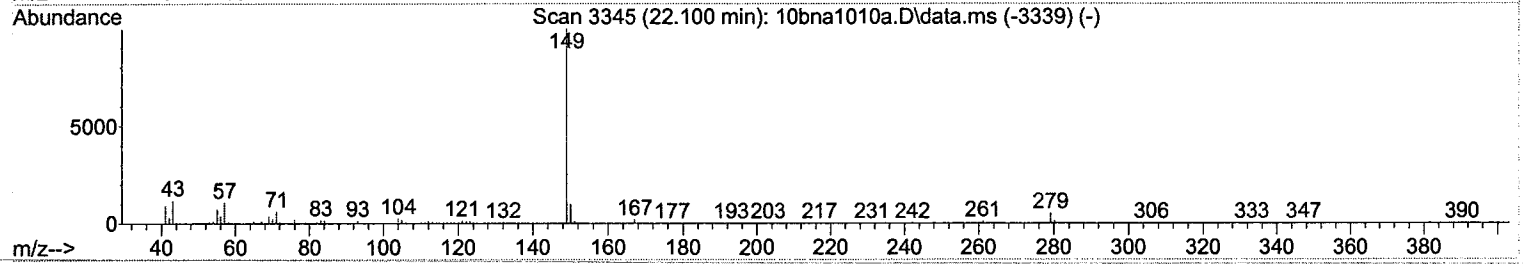
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-04 re1.D
Acq On : 10 Oct 2014 11:27
Operator : JLB
Sample : 1409479-04 re1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 14:57:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-04 re1.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.125min (+ 0.000) 0.56 ng/uL

response 46737

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.58#
0.00	0.00	0.00
0.00	0.00	0.00

pp

002633

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-05 File ID: 1409479-05.D

Sampled: 09/25/14 10:50 Prepared: 10/01/14 07:29 Analyzed: 10/08/14 02:47

Solids: 96.85 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	19	2.8	8.6	17	
50-32-8	Benzo(a)pyrene	1	19	2.4	8.6	17	
205-99-2	Benzo(b)fluoranthene	1	35	2.0	8.6	17	
207-08-9	Benzo(k)fluoranthene	1	10	2.0	8.6	17	J
191-24-2	Benzo(g,h,i)perylene	1	25	2.0	8.6	34	J
65-85-0	Benzoic Acid	1	170	71	170	340	U
100-51-6	Benzyl Alcohol	1	20	4.8	17	17	
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	750	4.1	17	34	
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	20	4.0	17	17	
53-70-3	Dibenz(a,h)anthracene	1	6.8	2.0	8.6	34	J
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	80	14	34	69	
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-05 File ID: 1409479-05.D

Sampled: 09/25/14 10:50 Prepared: 10/01/14 07:29 Analyzed: 10/08/14 02:47

Solids: 96.85 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	1300	12	17	34	BE
206-44-0	Fluoranthene	1	21	4.6	17	17	
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	15	2.8	8.6	34	J
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	15	4.2	17	17	J
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	63	4.5	17	17	
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	717	70.3	10	33 - 113	*
Phenol-d6	717	347	48	30 - 115	
Nitrobenzene-d5	359	290	81	33 - 131	
2-Fluorobiphenyl	359	294	82	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-05 File ID: 1409479-05.D

Sampled: 09/25/14 10:50 Prepared: 10/01/14 07:29 Analyzed: 10/08/14 02:47

Solids: 96.85 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	717	1.43	0.2	12 - 124	*
o-Terphenyl	359	316	88	20 - 155	

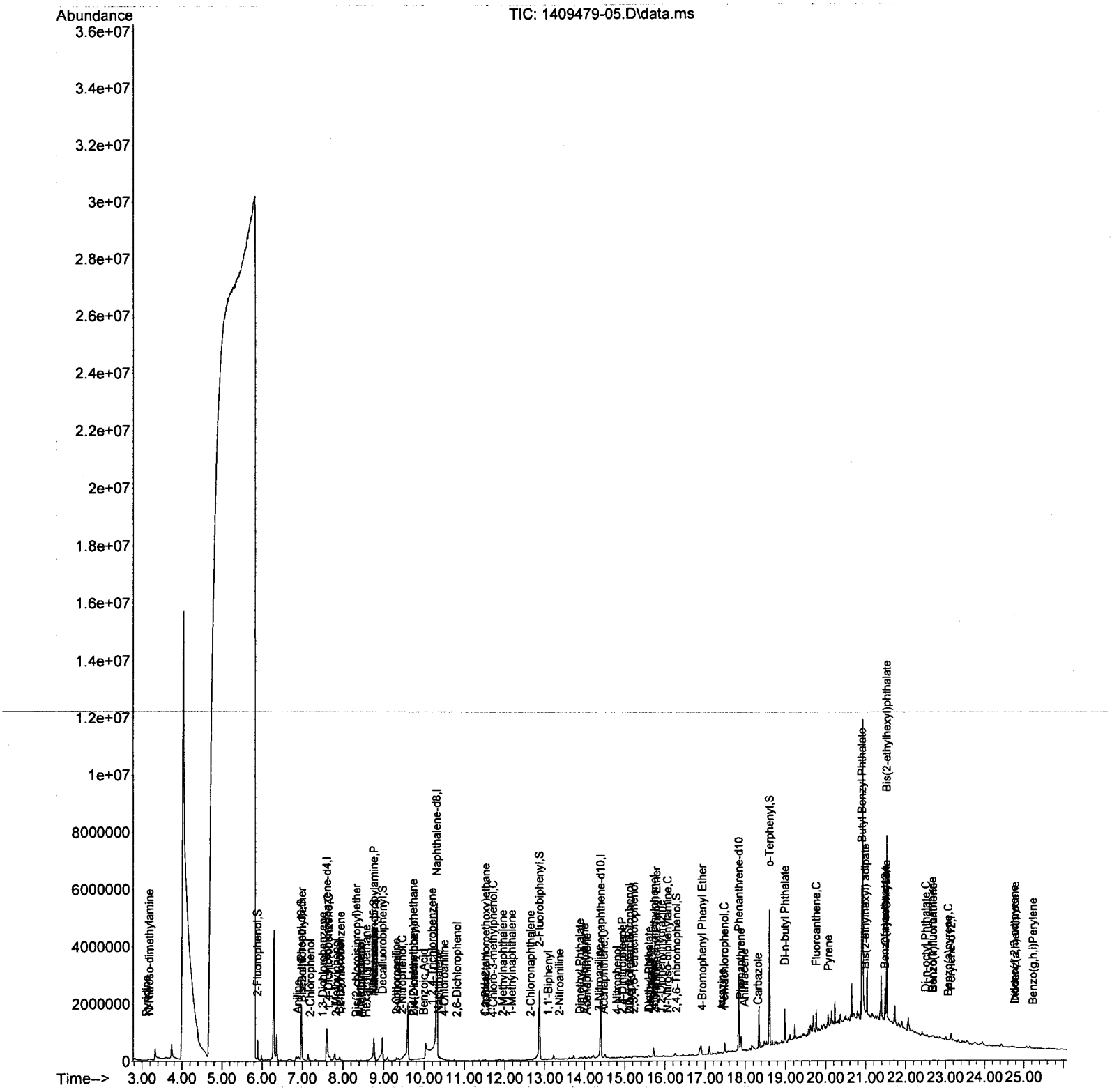
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	414947	7.602	403279	7.614	
Naphthalene-d8	1329515	10.312	1529030	10.359	
Acenaphthene-d10	960937	14.404	866604	14.474	
Phenanthrene-d10	1556054	17.843	1400442	17.901	
Chrysene-d12	439533	21.486	1153654	21.538	*
Perylene-d12	136530	23.147	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 09:30:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 09:30:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.602	152	414947	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.312	136	1329515	5.00	ng/uL	0.02
42) Acenaphthene-d10	14.404	164	960937	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.843	188	1556054	5.00	ng/uL	0.00
81) Chrysene-d12	21.486	240	439533 low	5.00	ng/uL	0.00
89) Perylene-d12	23.147	264	136530 low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.889	112	185768m	1.96	ng/uL	0.75
6) Phenol-d6	6.973	99	1189523	9.69	ng/uL	0.12
21) Nitrobenzene-d5	8.756	82	688677	8.10	ng/uL	0.03
23) Decafluorobiphenyl	8.966	334	551388	9.25	ng/uL	0.02
47) 2-Fluorobiphenyl	12.871	172	1630500	8.21	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.287	330	1025	0.04	ng/uL	0.00
78) o-Terphenyl	18.607	230	1175050	8.81	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.184	74	137	0.00	ng/uL#	1
3) Pyridine	3.108	79	872	0.01	ng/uL#	76
5) Aniline	6.879	93	2141	0.24	ng/uL#	85
7) Phenol	6.990	94	22755	~~0.16~~	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.990	93	2407	0.02	ng/uL#	43
9) 2-Chlorophenol	7.194	128	322	0.00	ng/uL#	40
10) 1,3-Dichlorobenzene	7.503	146	1943	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.637	146	1034	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.940	146	2162	0.02	ng/uL#	35
13) Bis(2-chloroisipropyl)...	8.337	45	625	0.00	ng/uL	95
14) Benzyl Alcohol	7.911	108	40403m	0.57	ng/uL	
15) 2-Methylphenol	7.829	108	12686	~~0.13~~	ng/uL	82
16) Acetophenone	8.424	105	2895	0.02	ng/uL#	27
17) Hexachloroethane	8.570	119	795	0.02	ng/uL#	19
18) 4-Methylphenol	8.436	108	65	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.756	70	112075	~~1.50~~	ng/uL#	4
22) Nitrobenzene	8.750	77	2696	0.03	ng/uL#	1
24) Isophorone	9.322	82	103910	0.61	ng/uL#	90
25) 2-Chloroaniline	9.316	127	366	0.00	ng/uL#	1
26) 2-Nitrophenol	9.461	139	431	0.01	ng/uL#	26
27) 2,4-Dimethylphenol	9.747	107	198	0.00	ng/uL	83
28) Bis(2-chlorethoxy)methane	9.735	93	490	0.00	ng/uL	87
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.992	105	2299	~~2.49~~	ng/uL#	19
31) 1,2,4-Trichlorobenzene	10.196	180	531	0.01	ng/uL	85
32) Naphthalene	10.353	128	16592	0.06	ng/uL	96
33) 4-Chloroaniline	10.499	127	2483	0.04	ng/uL#	40
34) 2,6-Dichlorophenol	10.820	162	260	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.519	55	24704	0.65	ng/uL#	28
37) 1,2-Bis(2-chloroethoxy...	11.531	63	130	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.711	107	172	0.00	ng/uL#	14
39) 2-Methylnaphthalene	11.962	142	18391	0.11	ng/uL	94
40) 1-Methylnaphthalene	12.178	142	15576	0.10	ng/uL	97
41) 1,3 Dinitrobenzene	13.920	168	53	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 09:30:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	12.650	162	392	0.00	ng/uL	88
49) 1,1'-Biphenyl	13.087	154	4369	0.02	ng/uL#	87
50) 2-Nitroaniline	13.372	138	546	0.01	ng/uL#	28
51) Acenaphthylene	14.060	152	1334	0.00	ng/uL	95
52) 2,6-Dinitrotoluene	14.002	165	3981	0.08	ng/uL#	42
53) Dimethyl Phthalate	13.885	163	10700	0.05	ng/uL#	83
54) 3-Nitroaniline	14.363	138	2005	0.05	ng/uL#	1
55) Acenaphthene	14.474	153	3733	0.02	ng/uL#	79
56) 2,4-Dinitrophenol	14.935	184	53	~~2.84~~	ng/uL#	1
57) Dibenzofuran	15.127	168	976	0.00	ng/uL	89
58) 4-Nitrophenol	14.806	65	1620	0.04	ng/uL#	33
59) 2,4-Dinitrotoluene	14.946	165	1284	0.02	ng/uL#	77
60) 2,3,5,6-Tetrachlorophenol	15.115	232	337	0.01	ng/uL#	18
61) 2,3,4,6-Tetrachlorophenol	15.226	232	136	0.00	ng/uL#	33
62) Fluorene	15.710	166	5297	0.02	ng/uL#	54
63) Diethyl Phthalate	15.599	149	19473	0.10	ng/uL	92
64) 4-Chlorophenyl Phenyl ...	15.786	204	469	0.00	ng/uL#	1
65) 4-Nitroaniline	15.640	138	1730	0.05	ng/uL	94
67) 4,6-Dinitro-2-methylph...	15.727	198	171	~~0.99~~	ng/uL#	1
68) N-Nitroso-diphenylamine	16.065	169	4247	0.02	ng/uL#	34
69) 1,2-Diphenylhydrazine	15.908	182	258	0.00	ng/uL	84
71) 4-Bromophenyl Phenyl E...	16.922	248	329	0.01	ng/uL	95
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.429	200	257	0.00	ng/uL#	81
74) Pentachlorophenol	17.476	266	54	0.00	ng/uL#	1
75) Phenanthrene	17.884	178	130359	0.43	ng/uL	97
76) Anthracene	17.983	178	18801	0.06	ng/uL#	91
77) Carbazole	18.315	167	11769	0.05	ng/uL#	90
79) Di-n-butyl Phthalate	18.985	149	670621	2.24	ng/uL	99
80) Fluoroanthene	19.767	202	167863	0.58	ng/uL	94
82) Pyrene	20.064	202	182324	1.75	ng/uL	99
83) Butyl Benzyl Phthalate	20.897	149	857278	20.83	ng/uL	90
84) Bis(2-ethylhexyl) adipate	20.991	129	9277	0.30	ng/uL#	100
85) Benzo(a)anthracene	21.474	228	41956	0.52	ng/uL#	88
86) Chrysene	21.515	228	43585	0.56	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.527	149	1877665	35.62	ng/uL	92
88) Di-n-octyl Phthalate	22.506	149	222814	~~2.64~~	ng/uL#	75
90) Benzo(b)fluoroanthene	22.663	252	24243m	0.98	ng/uL	
91) Benzo(k)fluoranthene	22.687	252	7972m	0.28	ng/uL	
92) Benzo(a)pyrene	23.071	252	12526	0.54	ng/uL#	85
93) Indeno(1,2,3-cd)pyrene	24.756	276	8435m	0.42	ng/uL	
94) Dibdenz(a,h)anthracene	24.785	278	3096	0.19	ng/uL#	58
95) Benzo(g,h,i)Perylene	25.234	276	12033	0.69	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 07:51:15 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

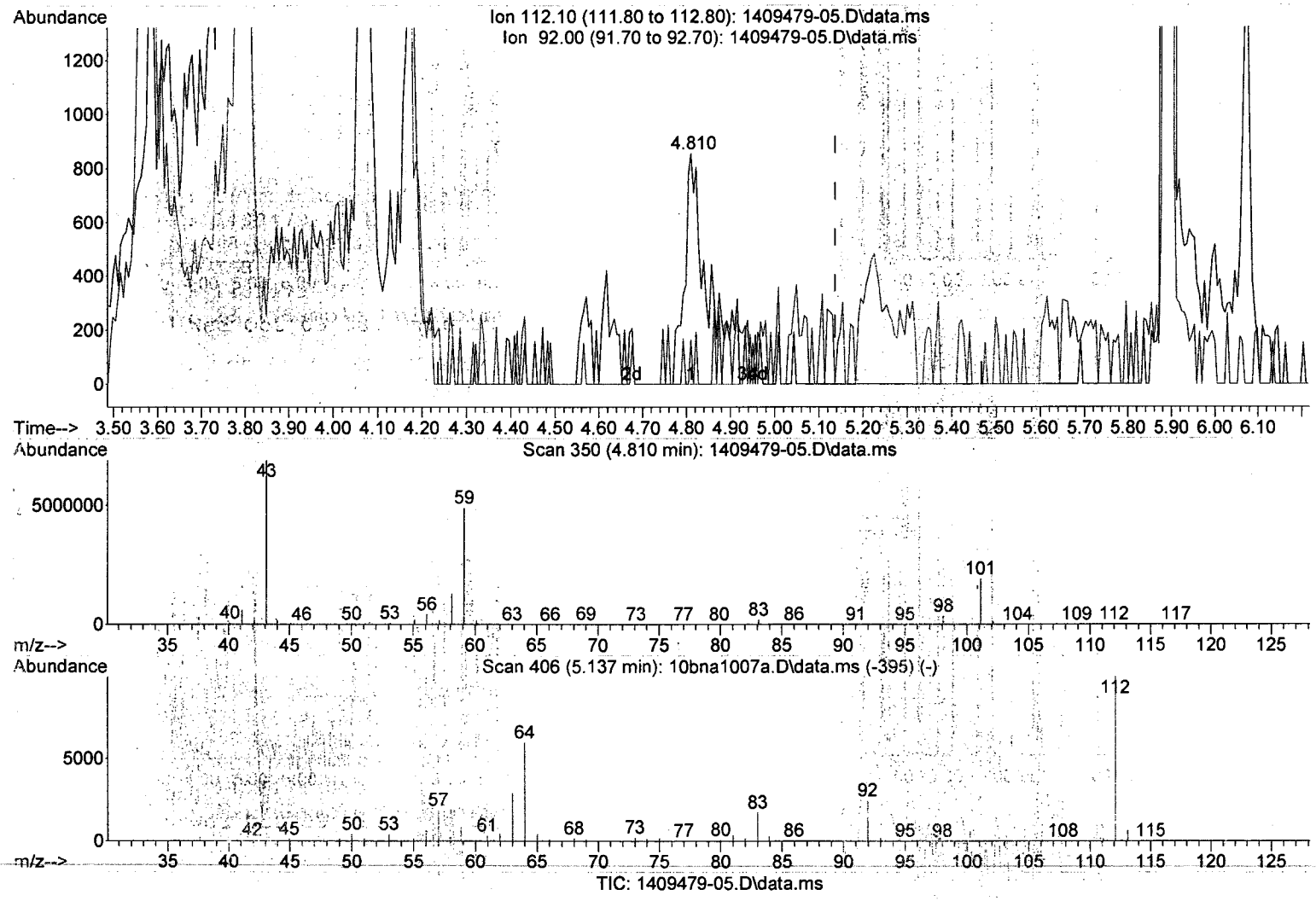
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.602	152	383781	5.00	ng/uL	#	0.05
8) Naphthalene-d8	10.312	136	1329515	5.00	ng/uL		0.02
11) Acenaphthene-d10	14.404	164	954761	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.843	188	1564894	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	441240	5.00	ng/uL		0.00
22) Perylene-d12	23.147	264	140310	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.184	74	137	0.00	ng/uL	#	1
3) Pyridine	3.108	79	929	0.01	ng/uL		83
4) Aniline	6.879	93	2141	0.01	ng/uL	#	85
5) Benzaldehyde	6.774	105	1579	0.02	ng/uL	#	56
6) Acetophenone	8.424	105	2895	0.02	ng/uL	#	27
7) N-Nitroso-di-n-propyla...	8.436	70	2028	0.03	ng/uL	#	1
9) 4-Chloroaniline	10.499	127	2483	0.03	ng/uL	#	40
10) Caprolactam	11.321	55	757	0.11	ng/uL	#	18
12) 1,1'-Biphenyl	13.087	154	4369	0.02	ng/uL	#	87
13) 2-Nitroaniline	13.372	138	546	0.02	ng/uL	#	28
14) 3-Nitroaniline	14.363	138	2005	Below Cal		#	1
15) 4-Nitroaniline	15.821	138	394	Below Cal		#	58
17) N-Nitroso-diphenylamine	16.065	169	4247	0.02	ng/uL	#	34
18) Atrazine	17.488	200	719	Below Cal			92
20) Benzidine	19.959	184	184741	3.32	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.078	252	734	0.03	ng/uL		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-05.D\data.ms

(4) 2-Fluorophenol (S)

4.810min (-0:326) 0.03 ng/uL

response 3205

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	4.65#
0.00	0.00	0.00
0.00	0.00	0.00

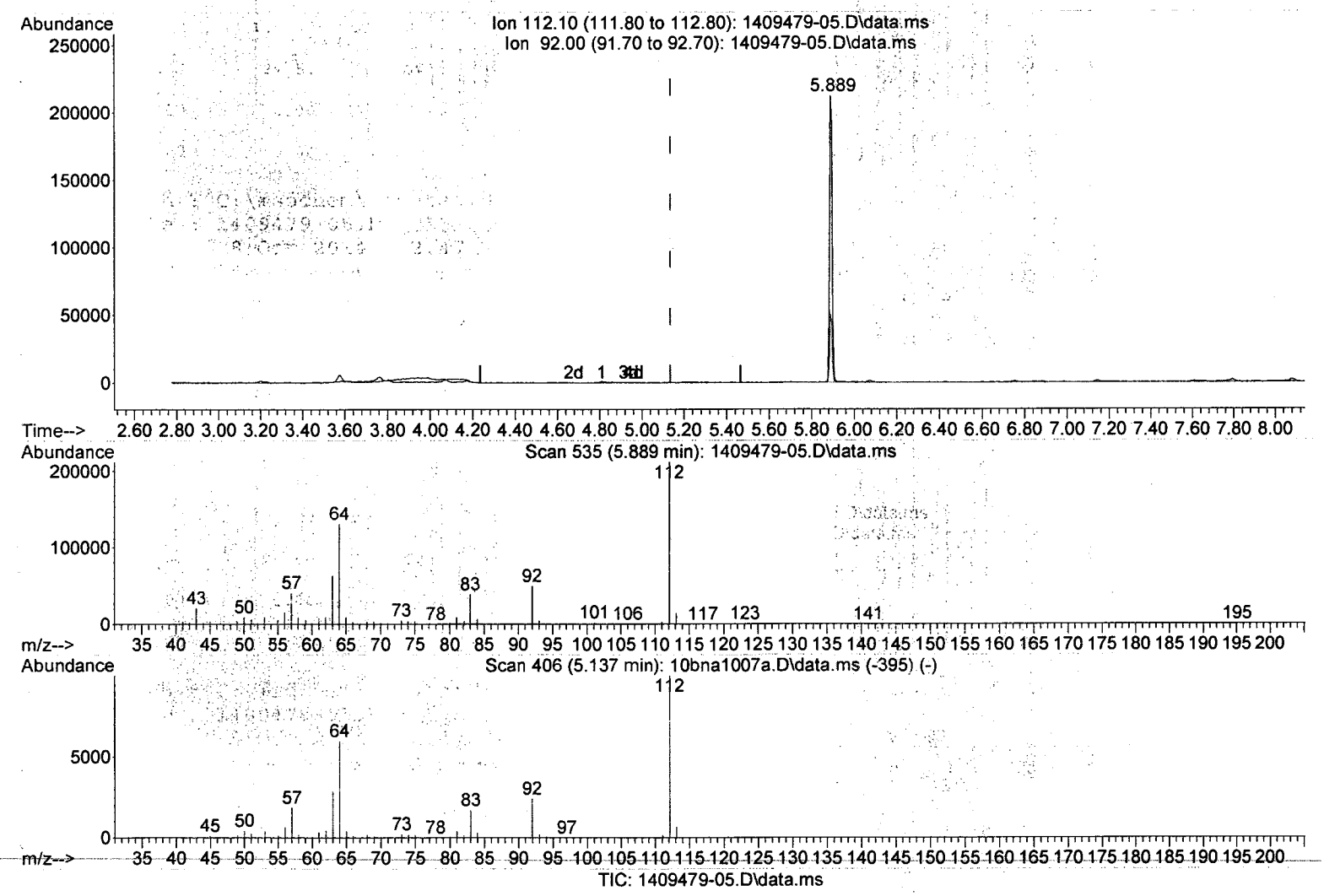
Dw 10-17-14

JLB 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(4) 2-Fluorophenol (S)

5.889min (+ 0.752) 1.96 ng/uL m

response 185768

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.08#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/9/14

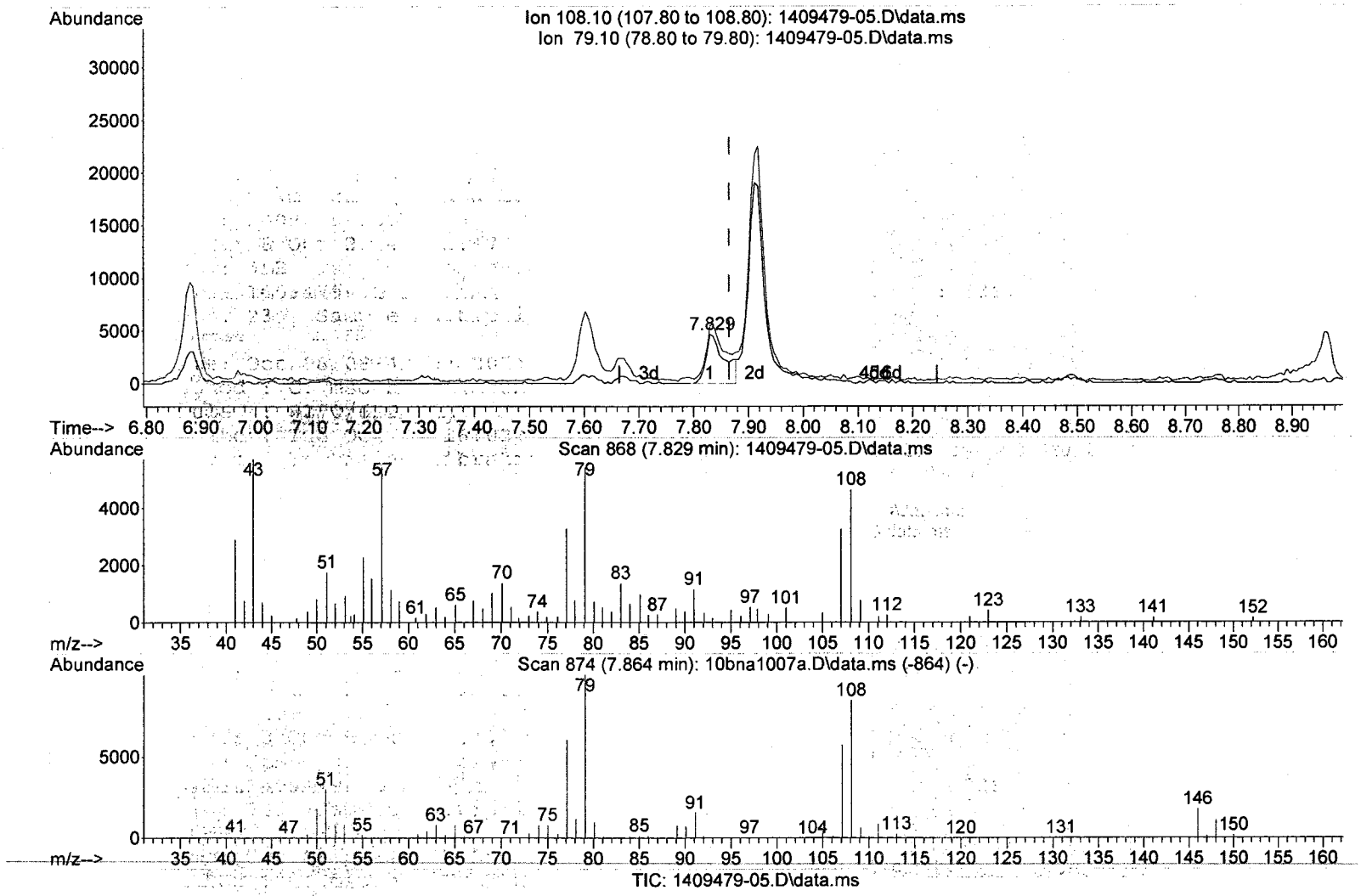
Reviewed By: Dmy Date: 10-17-14

002642

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-05.D\data.ms

(14) Benzyl Alcohol

7.829min (-0.035) 0.15 ng/uL

response 10869

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	121.23
0.00	0.00	0.00
0.00	0.00	0.00

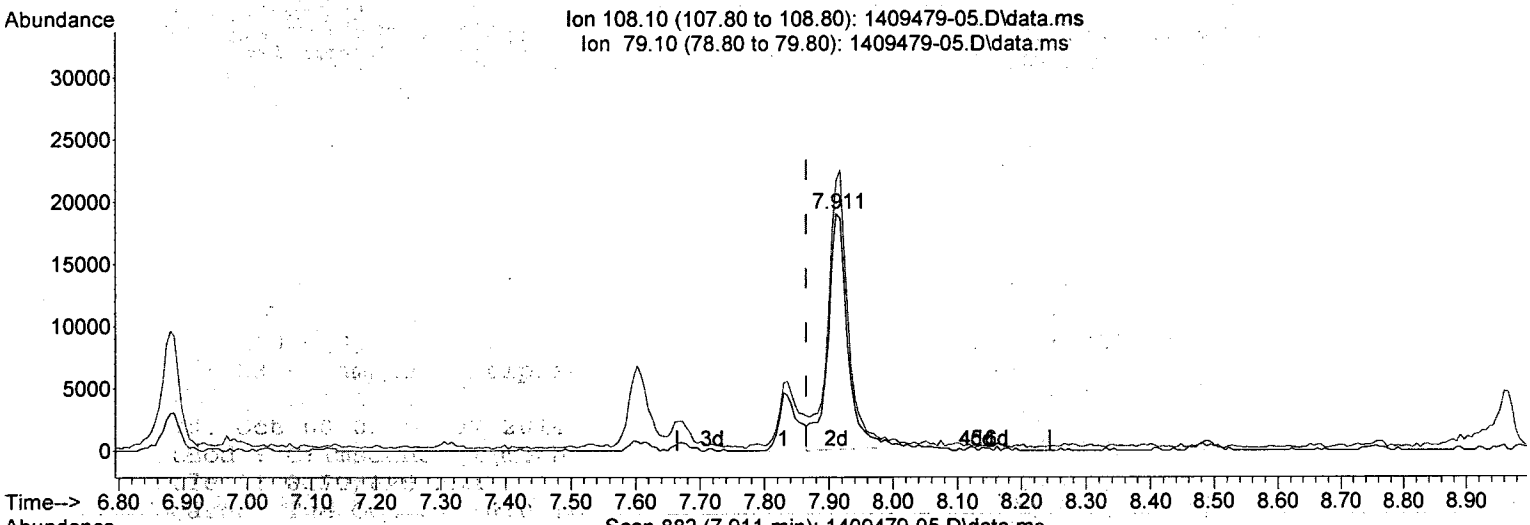
JS 10/9/14

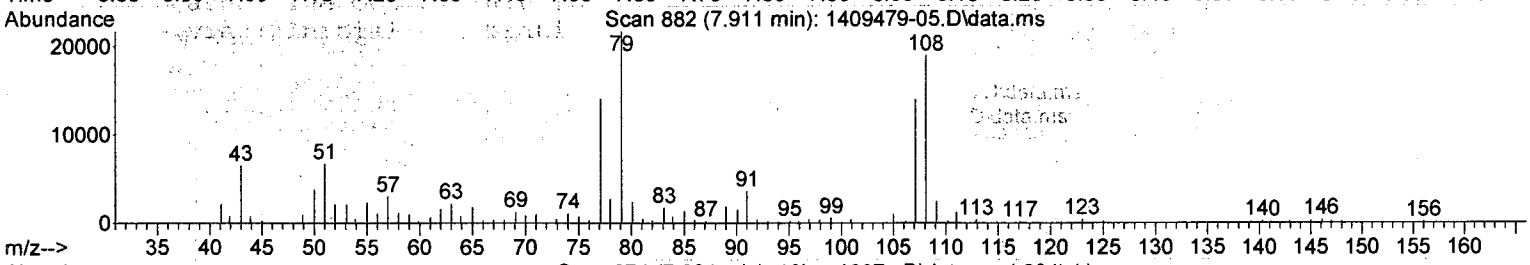
DWS 10-7-14

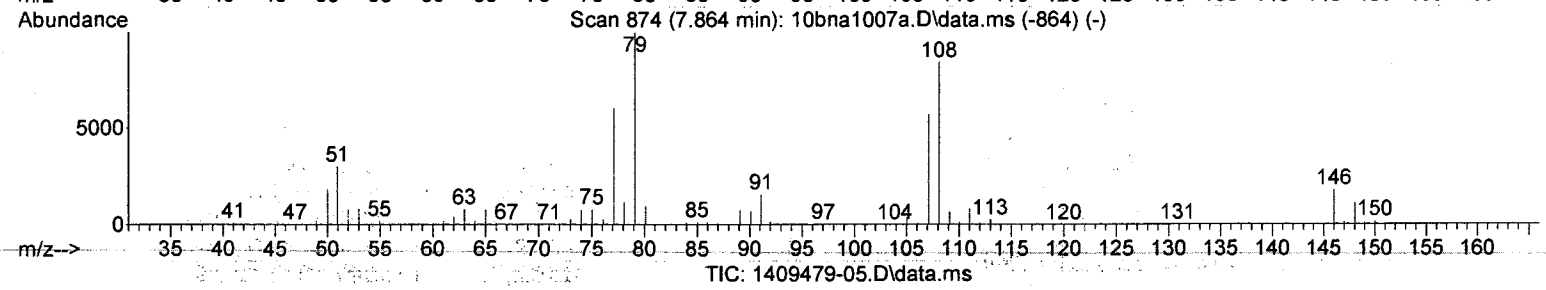
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(14) Benzyl Alcohol

7.911min (+ 0.047) 0.57 ng/uL m

response 40403

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	32.61#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

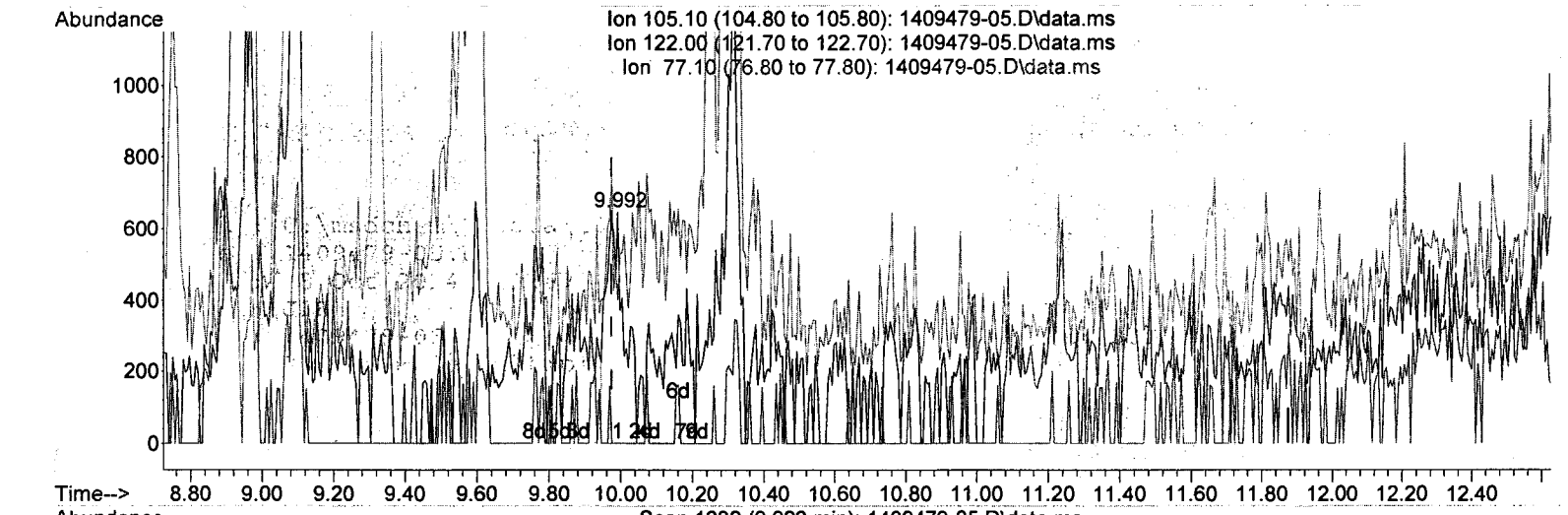
Reason 1: Incorrect peak integrated by the software.

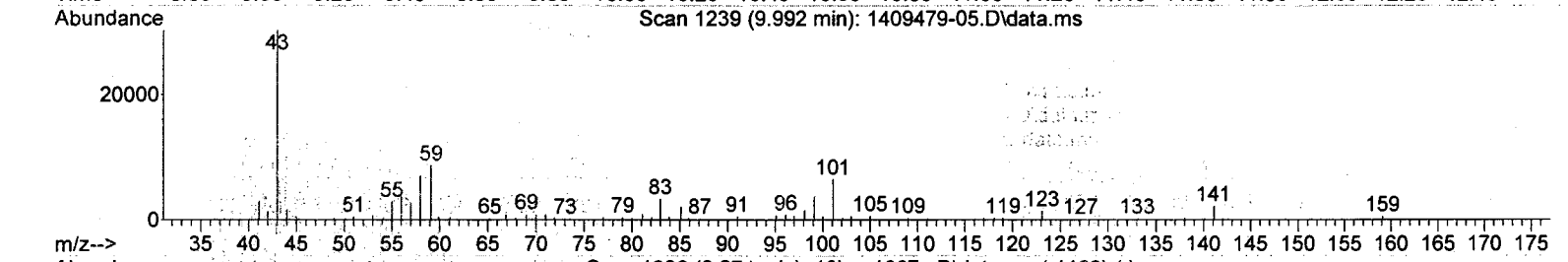
Flagged on Quantitation Report: (Yes) / No
Analyst: JWJ Date: 10/9/14
Reviewed By: DWC Date: 10-17-14

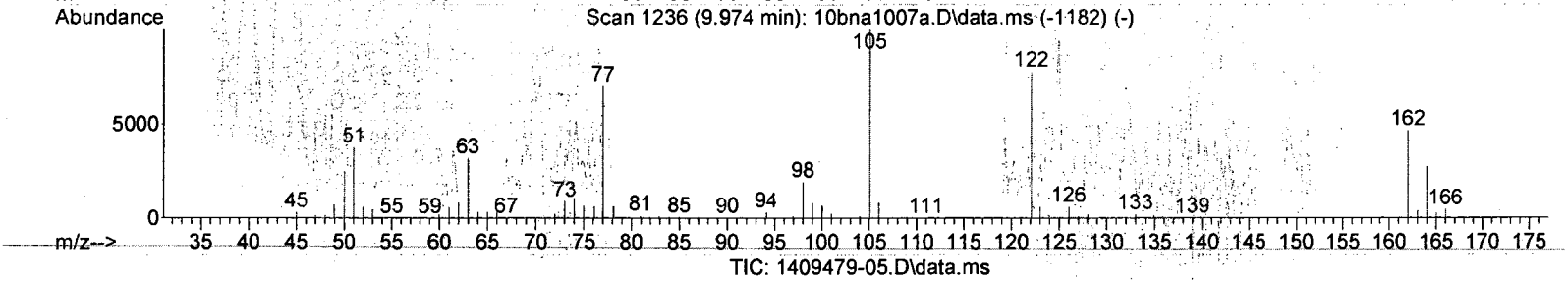
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(30) Benzoic Acid

9.992min (+ 0.017) 2.49 ng/uL

response 2299

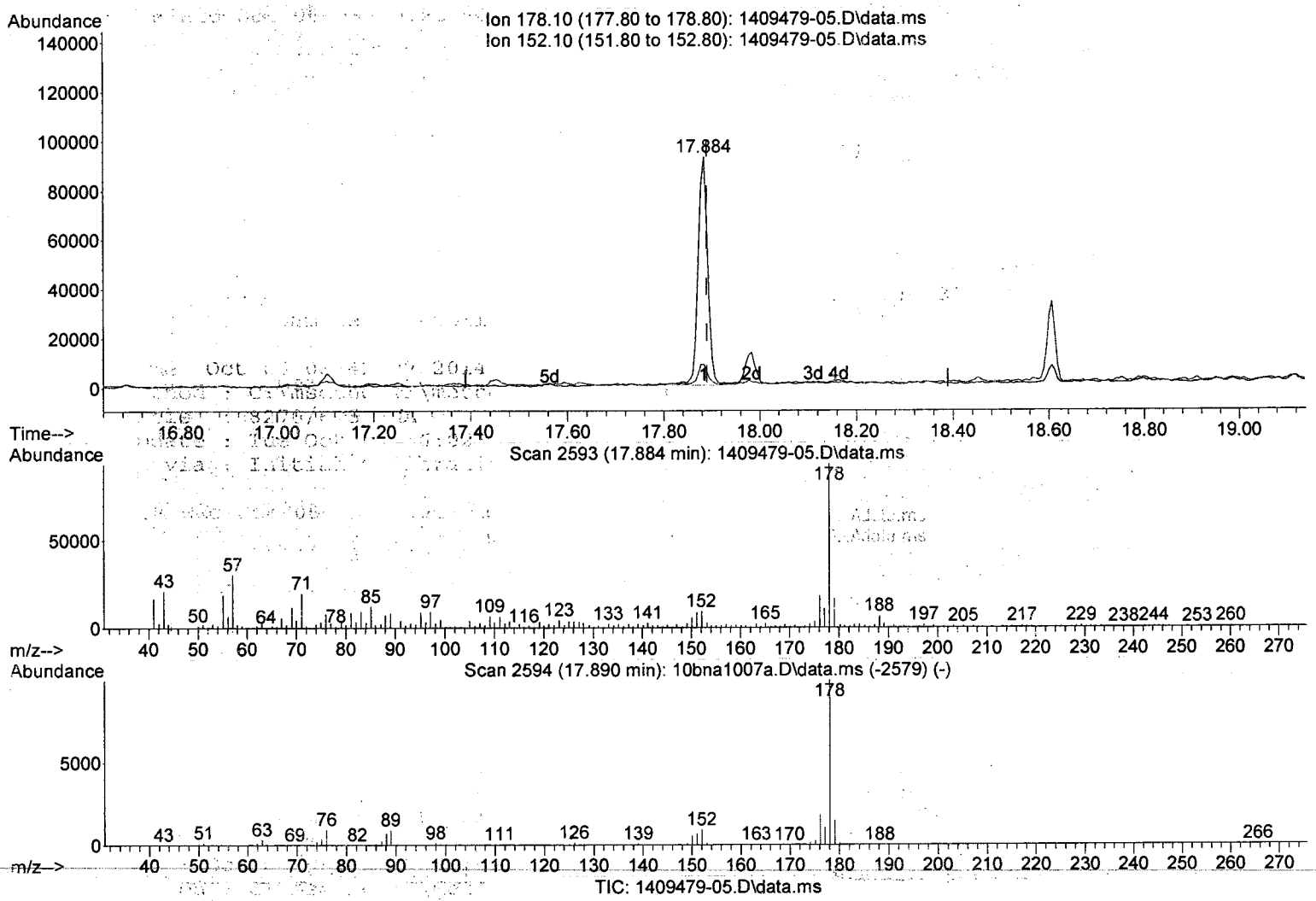
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	14.18#
0.00	0.00	0.00

PP

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(75) Phenanthrene

17.884min (-0.006) 0.43 ng/uL

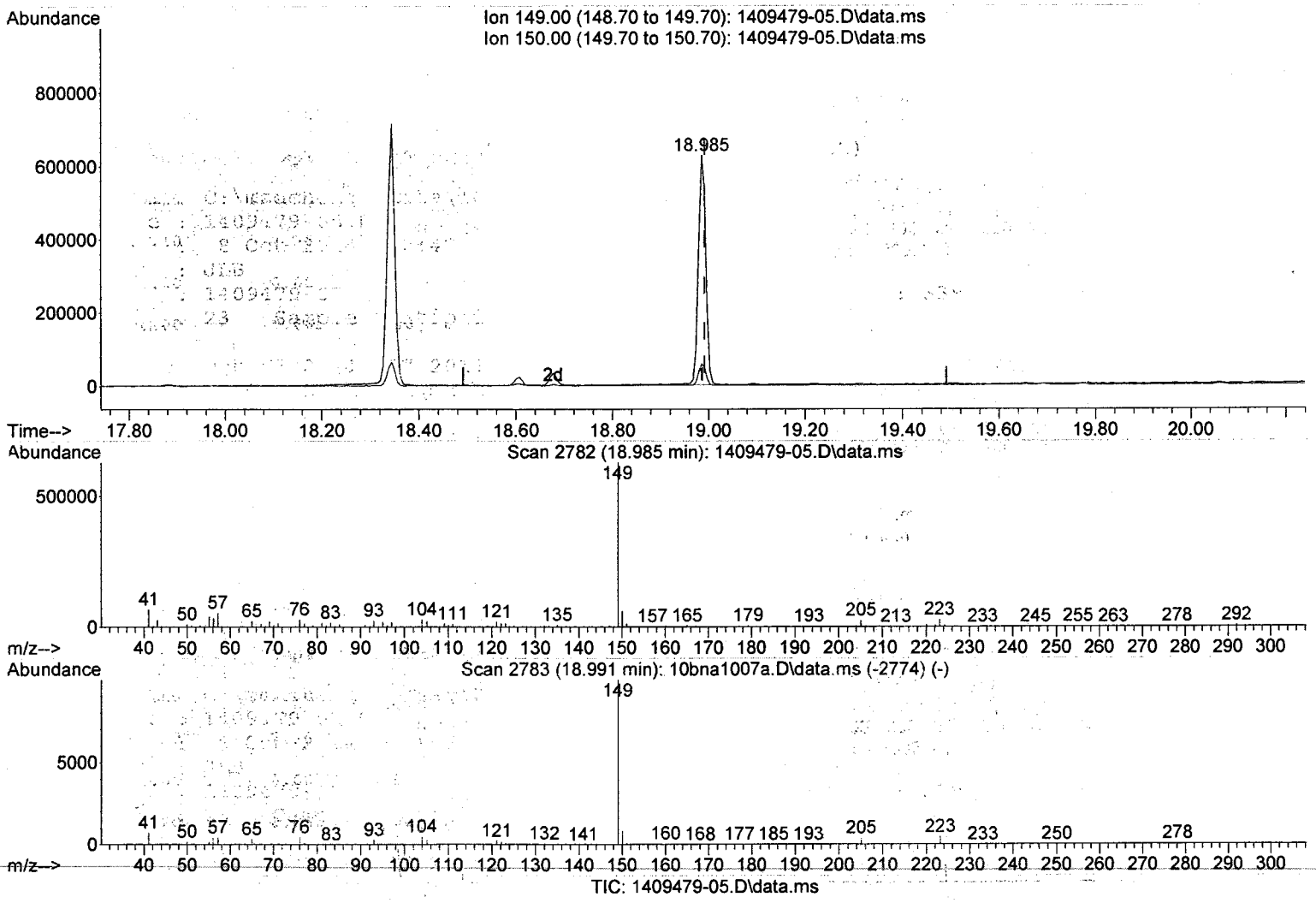
response 130359

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	8.84
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(79) Di-n-butyl Phthalate

18.985min (-0.006) 2.24 ng/uL

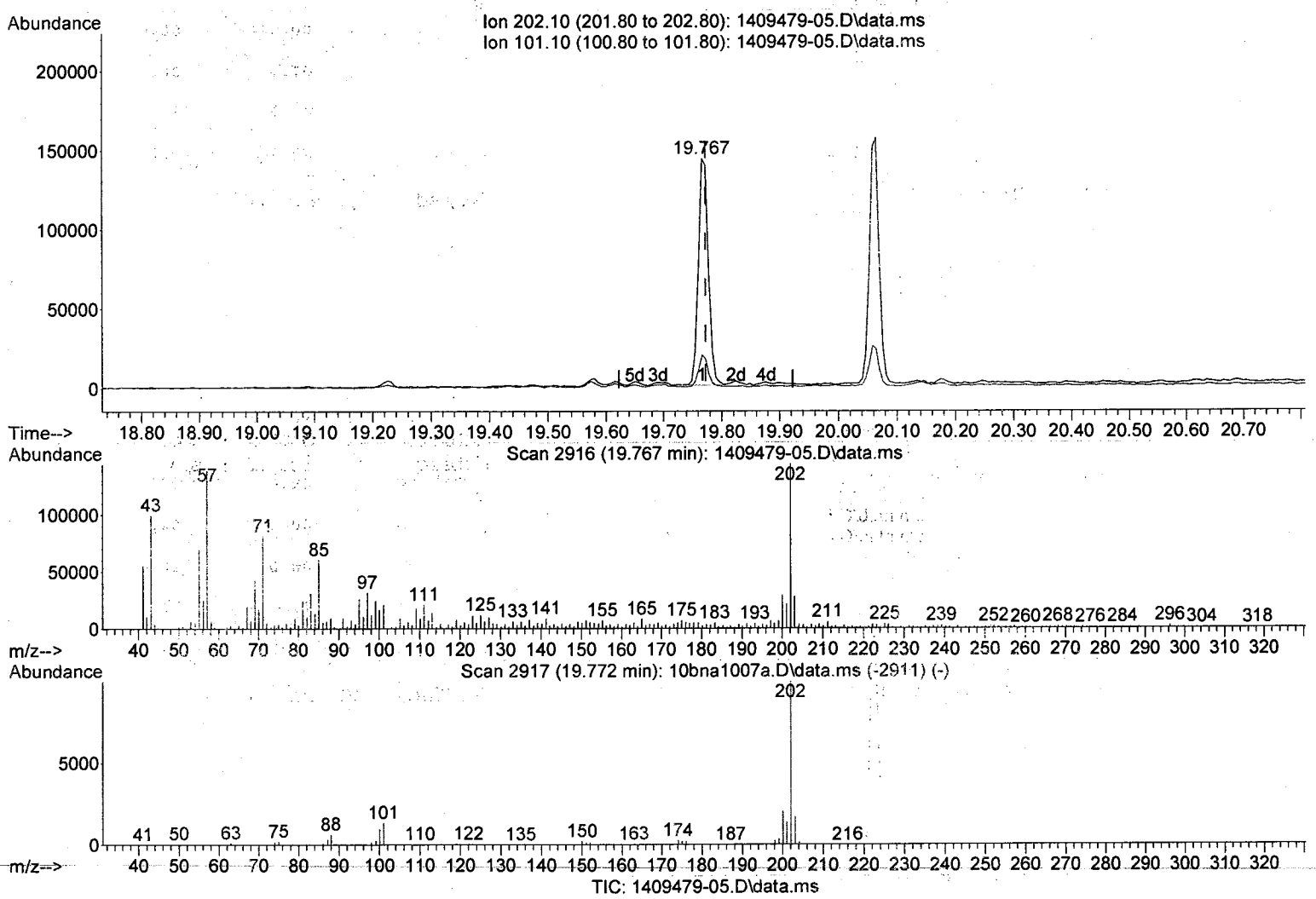
response 670621

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(80) Fluoroanthene (C)

19.767min (-0.006) 0.58 ng/uL

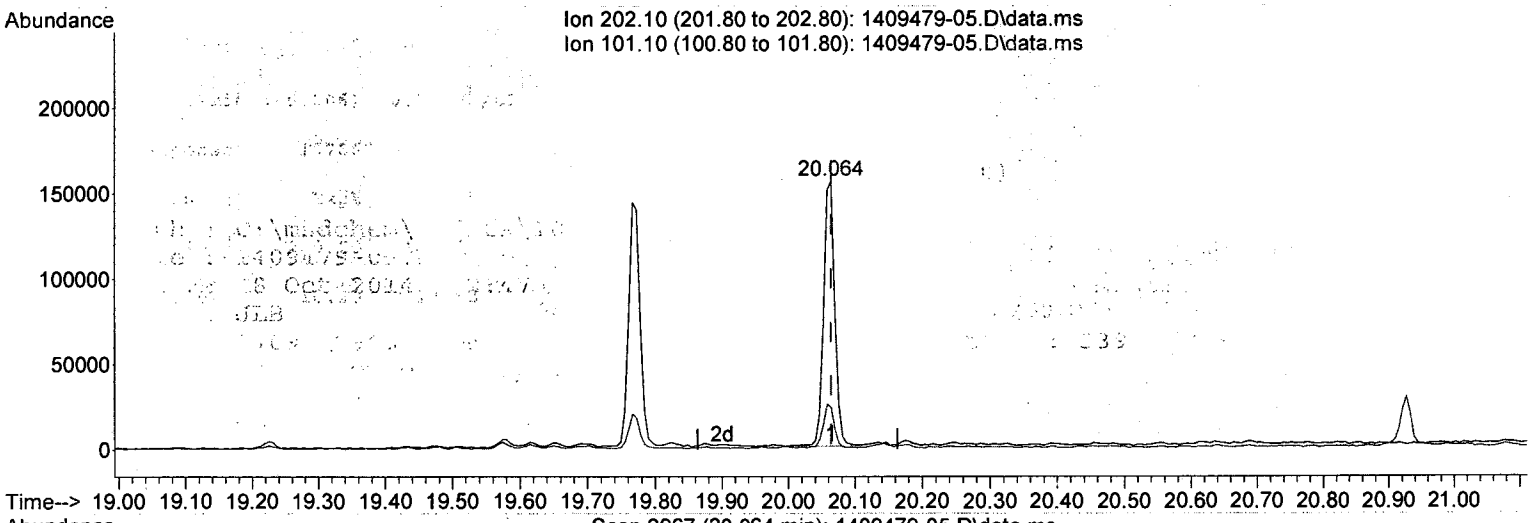
response 167863

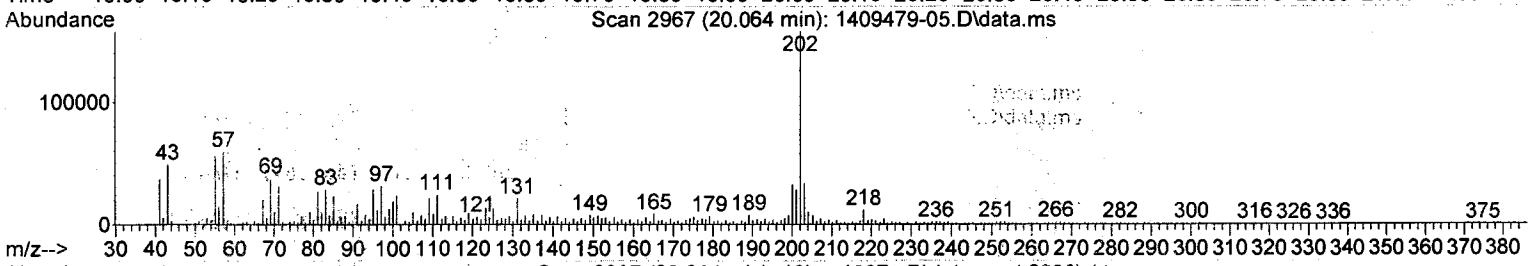
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	13.63
0.00	0.00	0.00
0.00	0.00	0.00

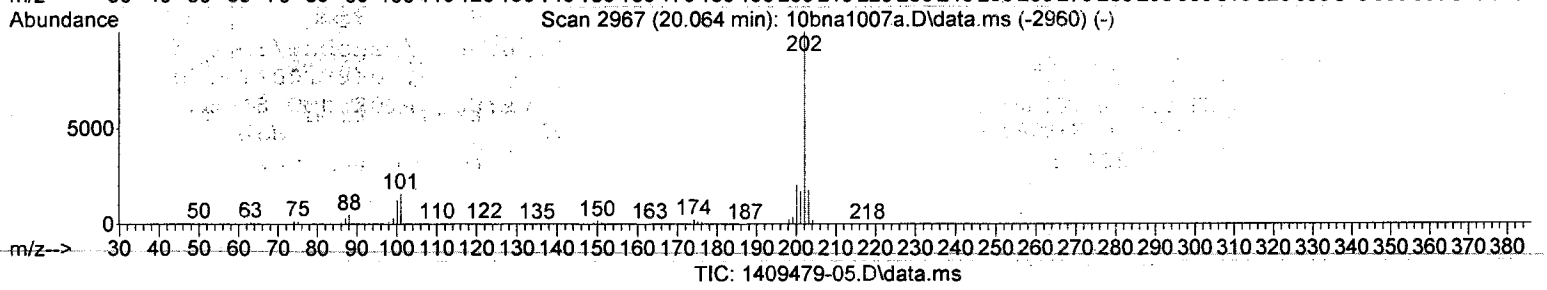
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(82) Pyrene

20.064min (-0.000) 1.75 ng/uL

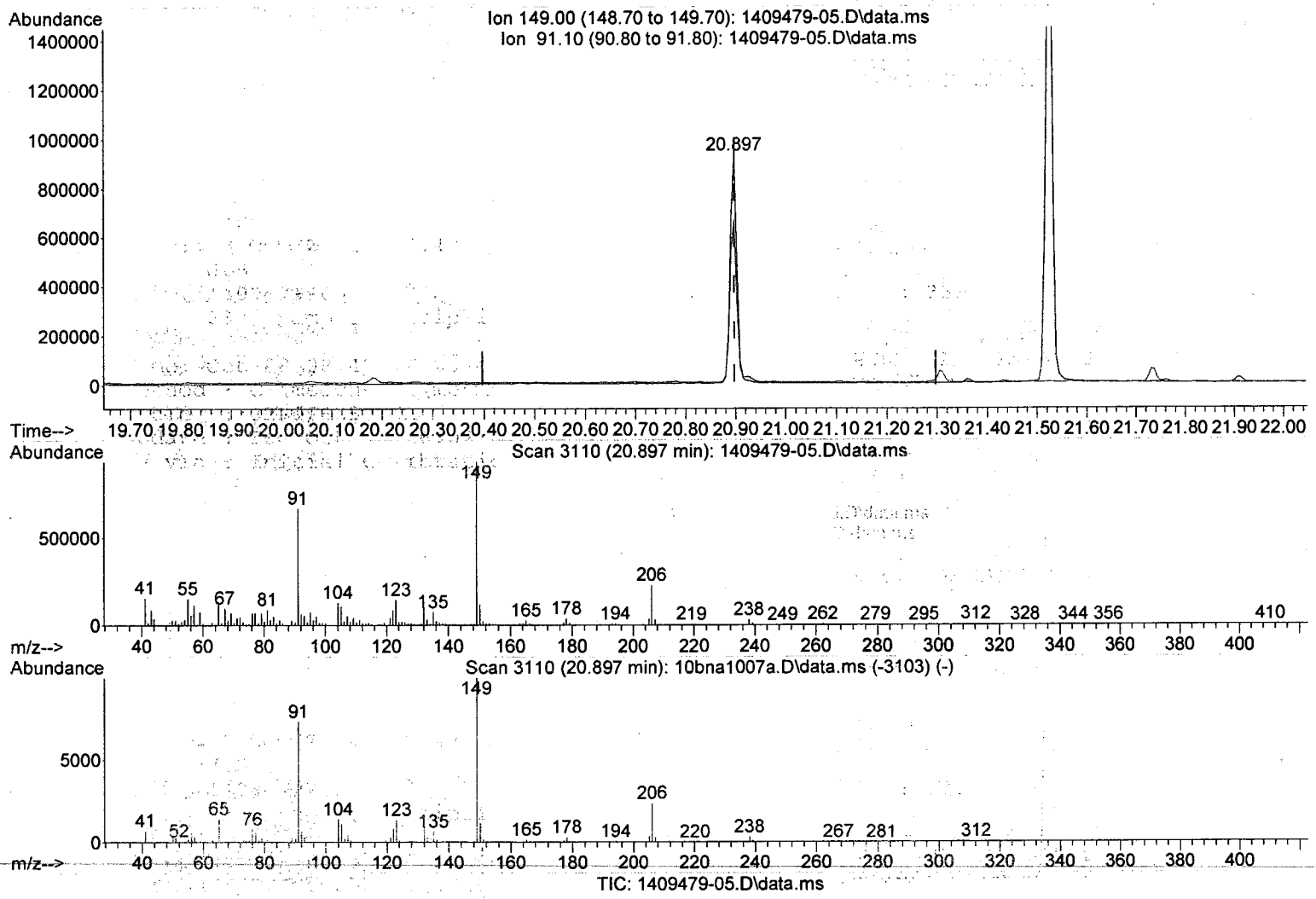
response 182324

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	16.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-05.D\data.ms

(83) Butyl Benzyl Phthalate

20.897min (-0.000) 20.83 ng/uL

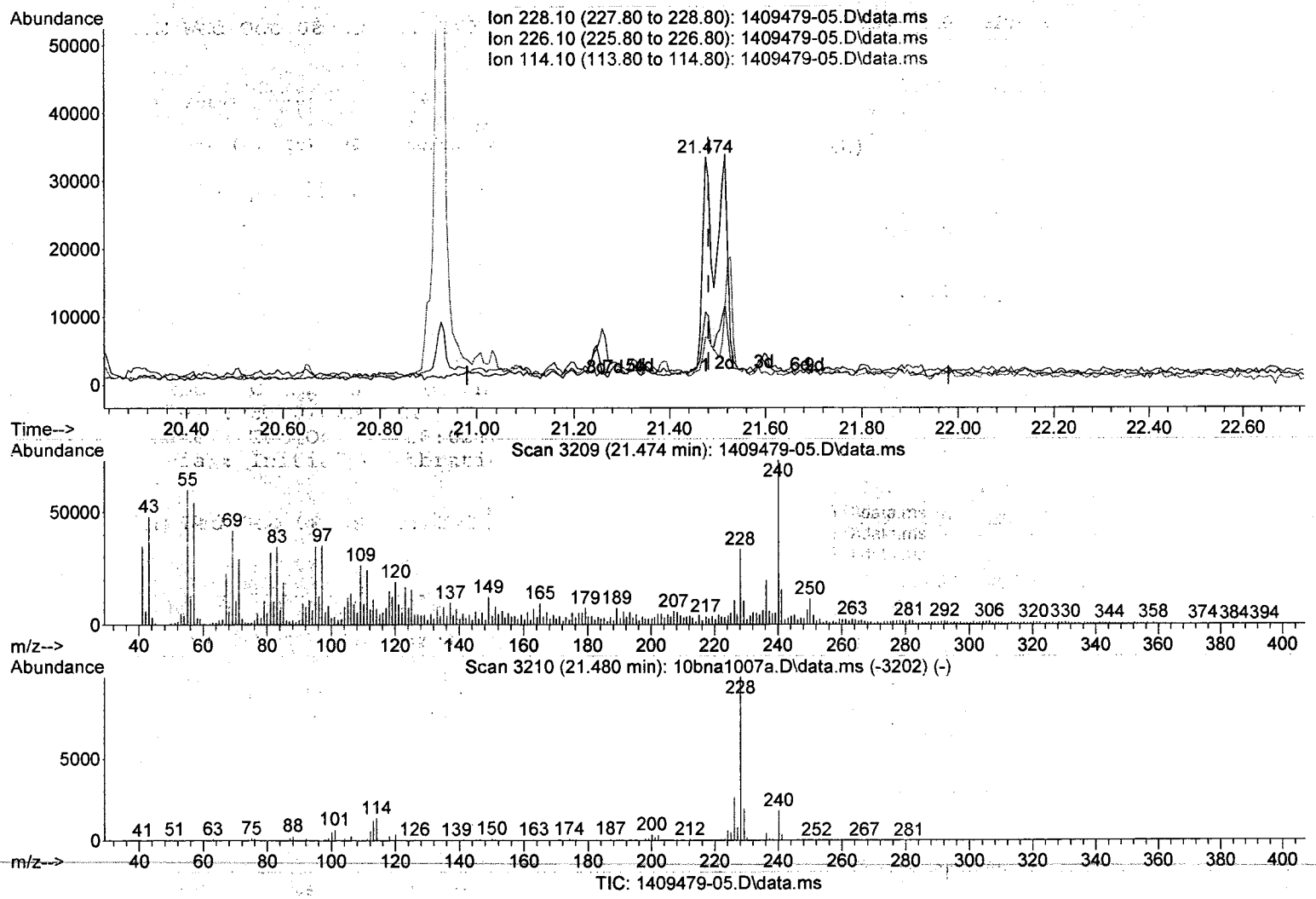
response 857278

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	75.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-05.D\data.ms

(85) Benzo(a)anthracene

21.474min (-0.006) 0.52 ng/uL

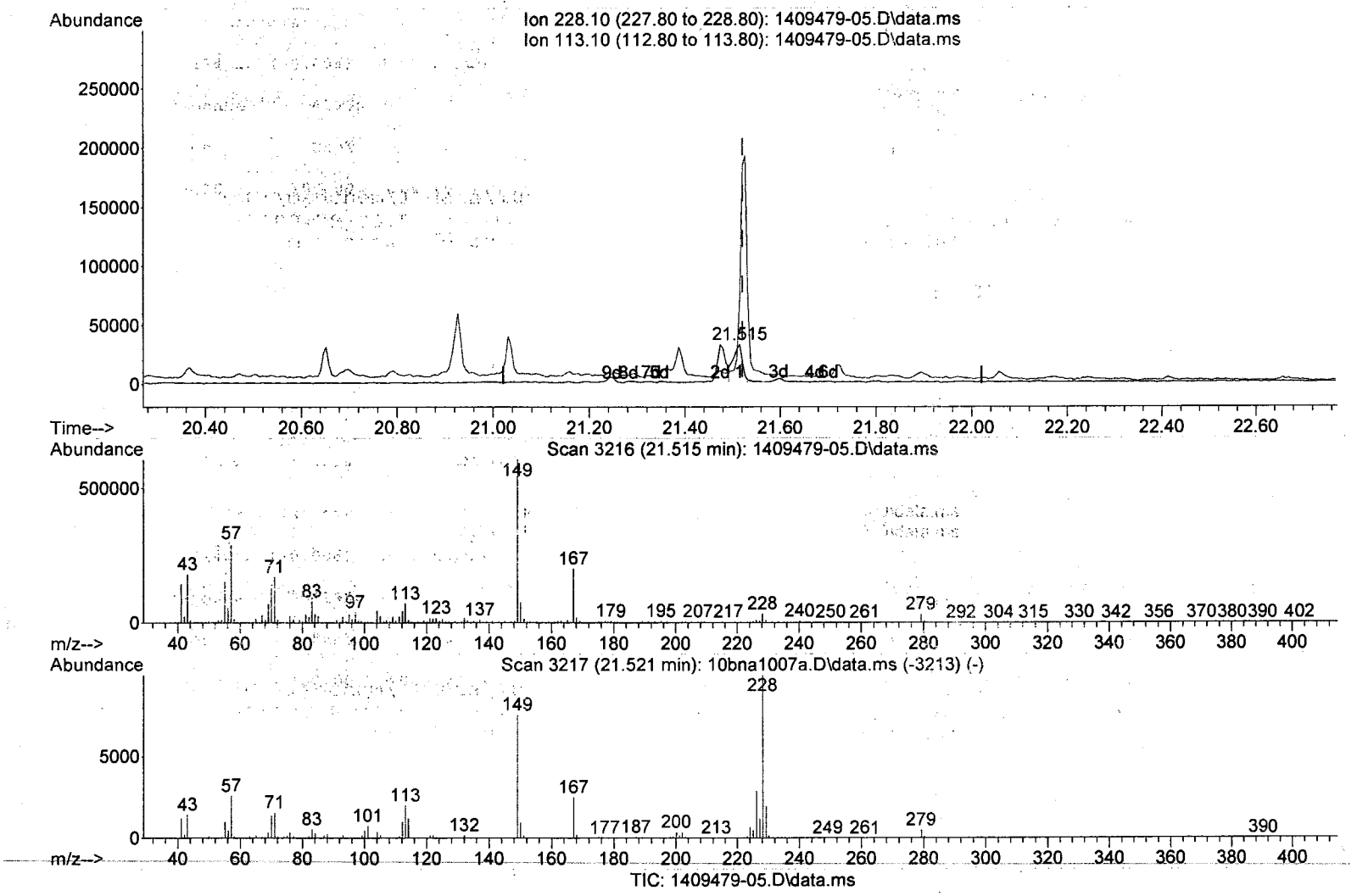
response 41956

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	26.89
114.10	13.30	25.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(86) Chrysene

21.515min (-0.006) 0.56 ng/uL

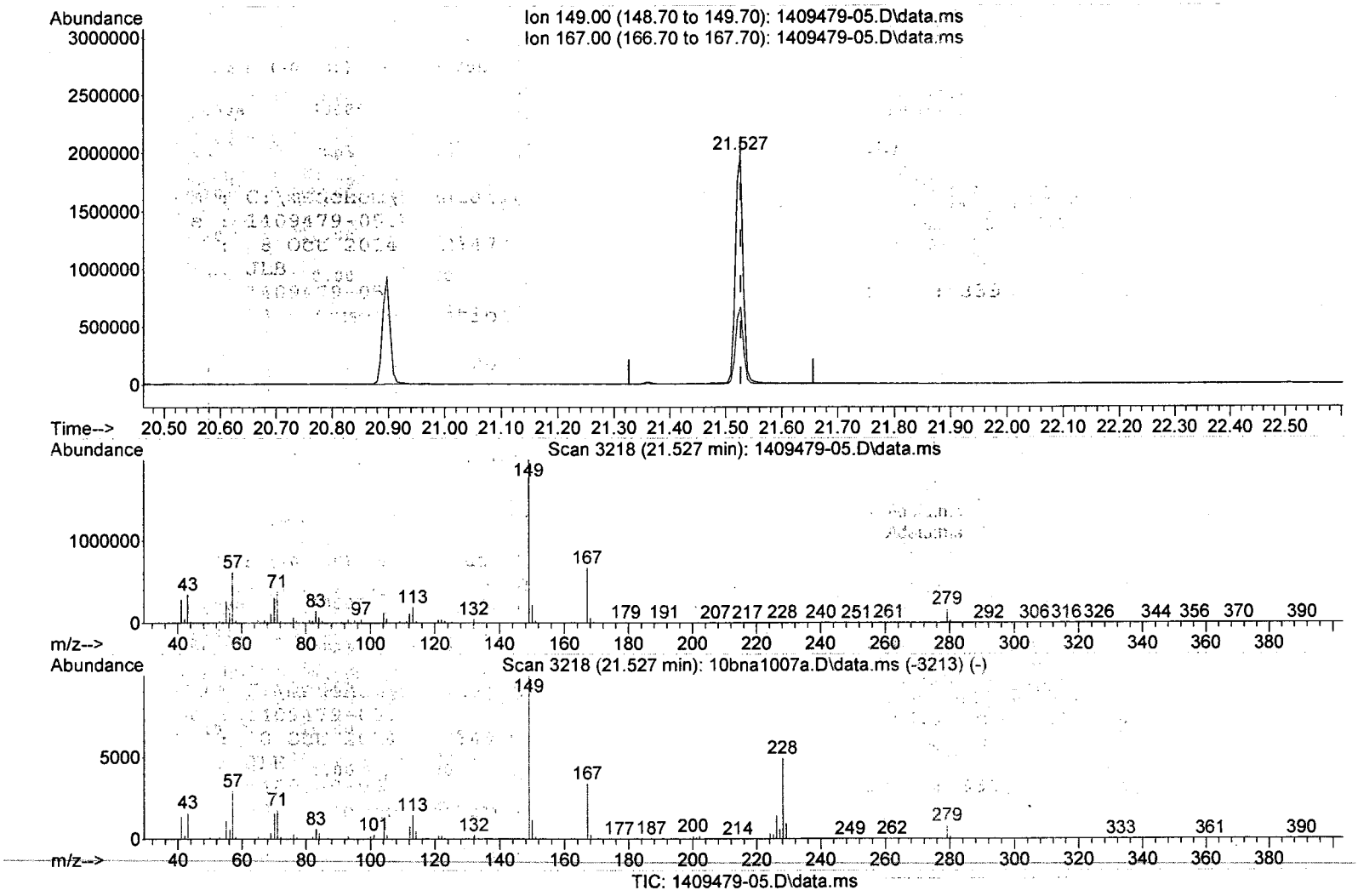
response 43585

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	433.67#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.527min (-0.000) 35.62 ng/uL

response 1877665

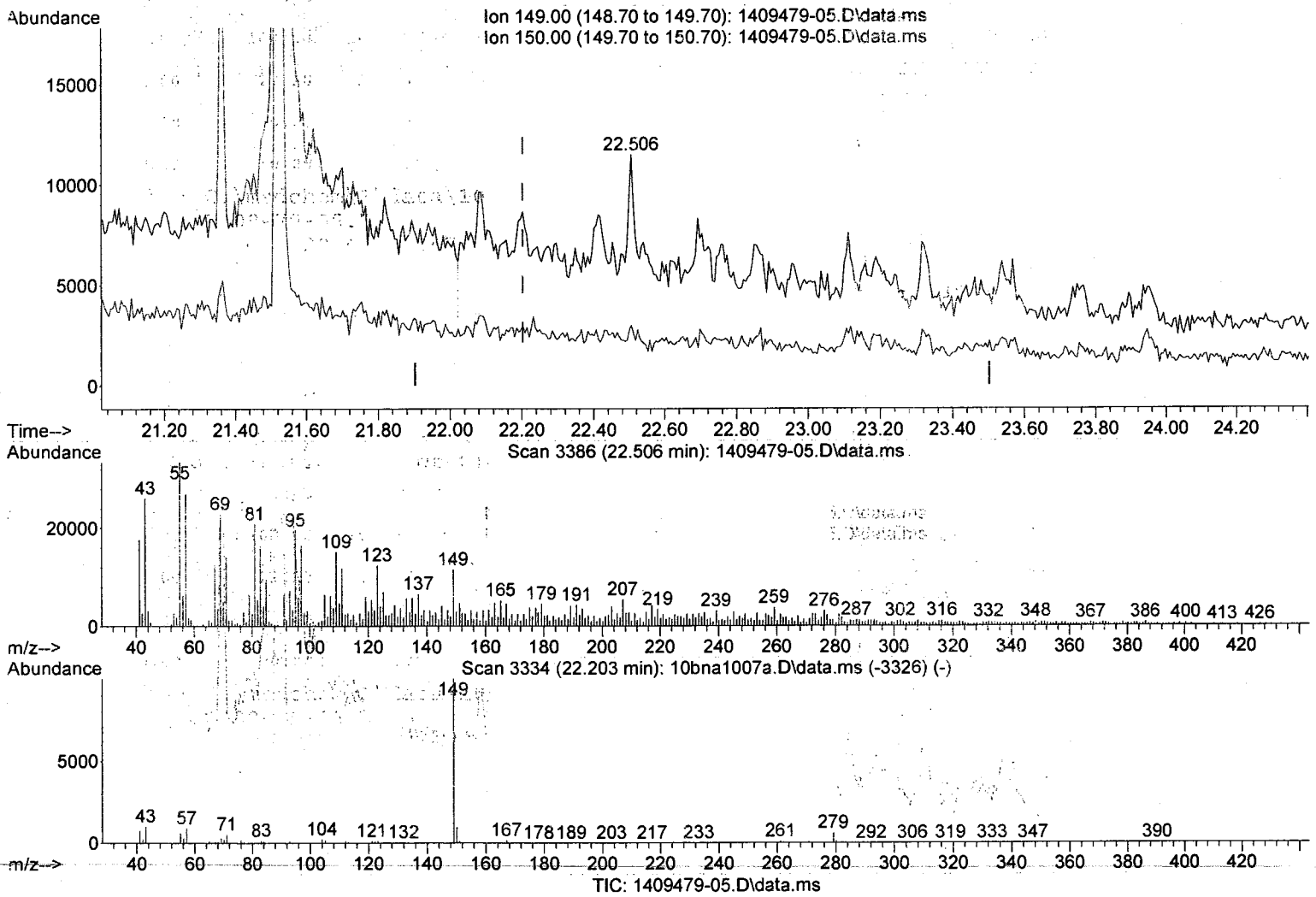
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.53
0.00	0.00	0.00
0.00	0.00	0.00

002653

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.506min (+ 0.303) 2.64 ng/uL

response 222814

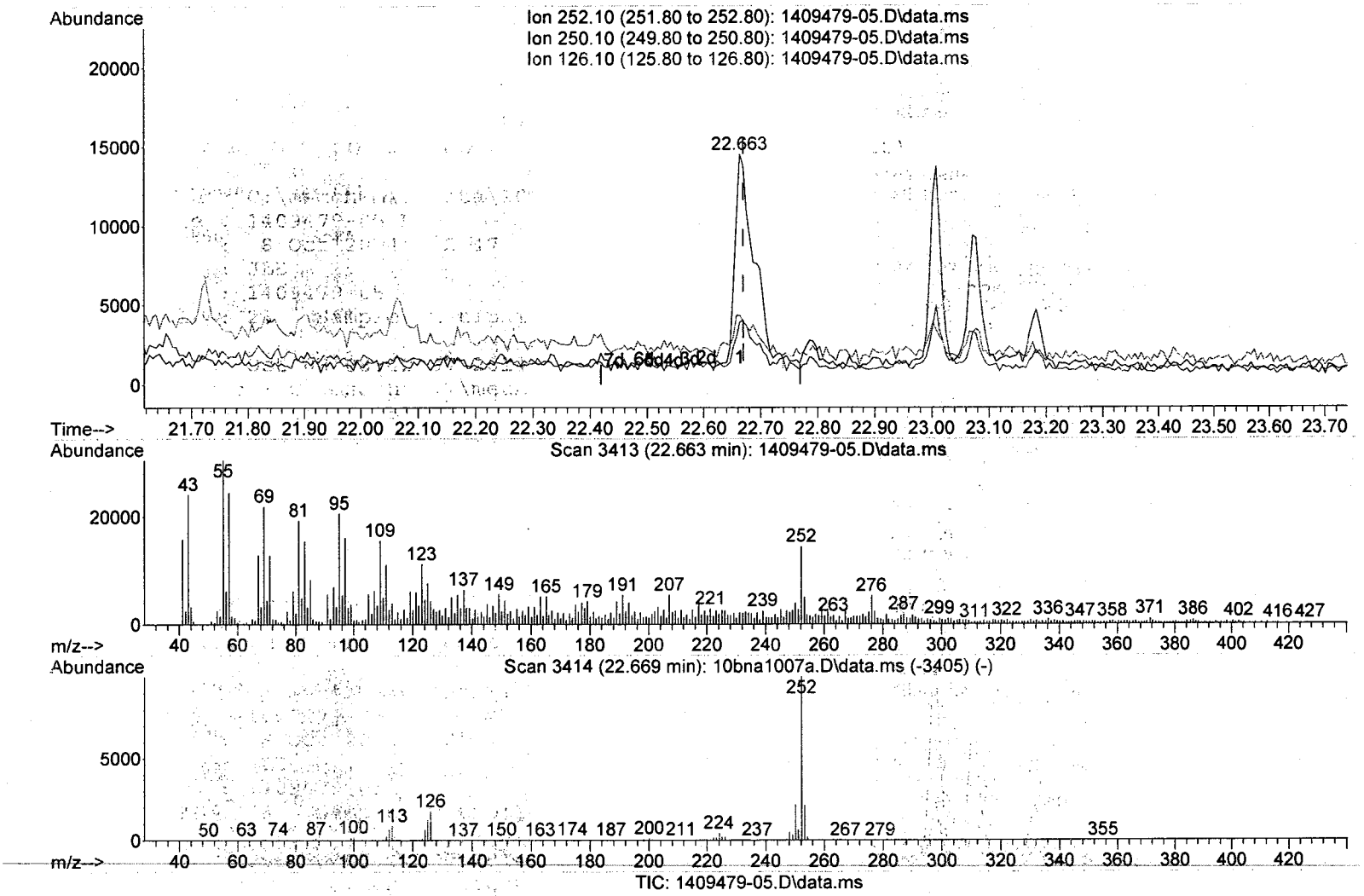
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.29#
0.00	0.00	0.00
0.00	0.00	0.00

RT PP

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1409479-05.D\data.ms

(90) Benzo(b)fluoroanthene

22.663min (-0.006) 1.28 ng/uL

response 31710

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	25.90
126.10	17.20	25.72#
0.00	0.00	0.00

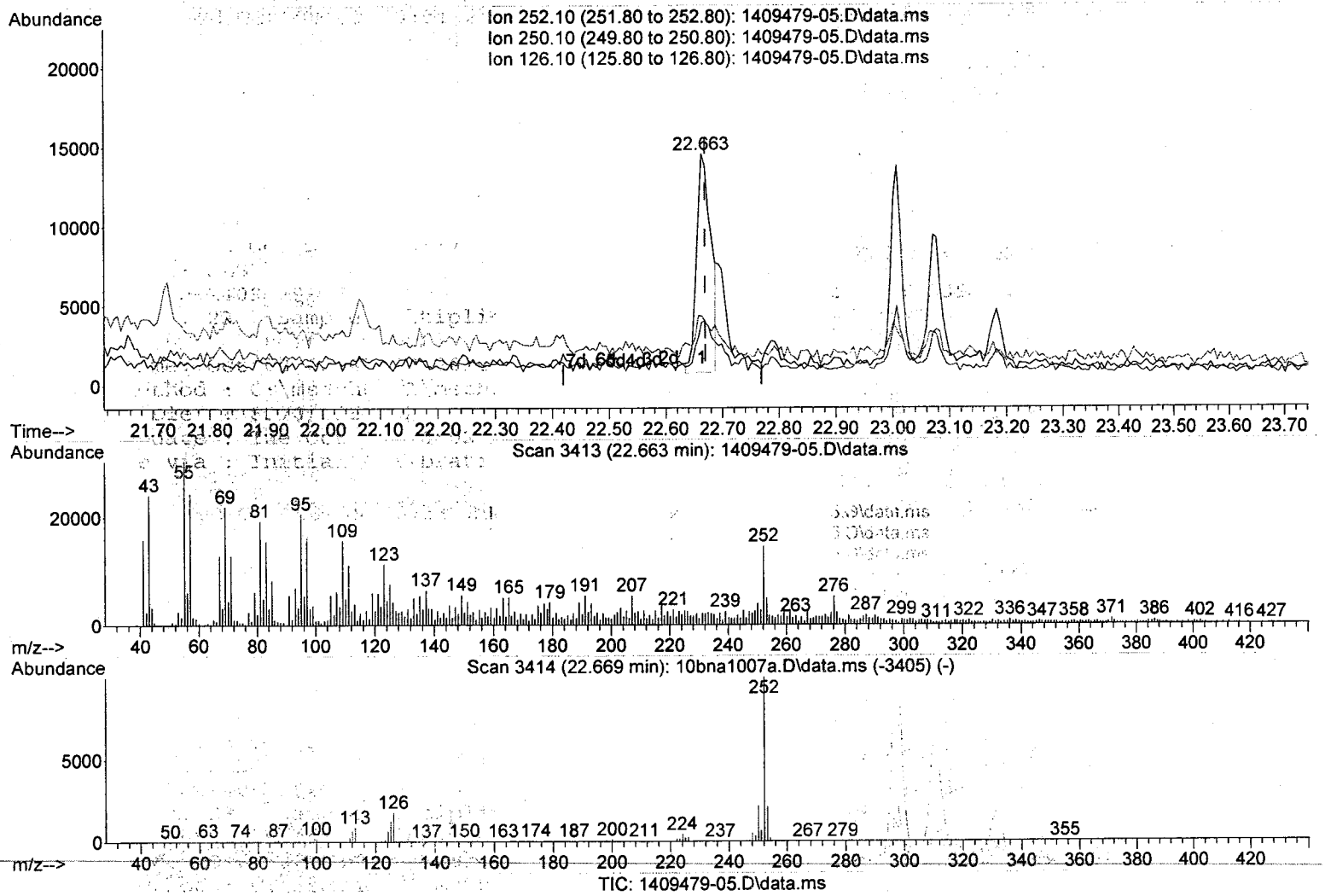
JLB 10/9/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.663min (-0.006) 0.98 ng/uL m

response 24243

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	33.88#
126.10	17.20	33.65#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

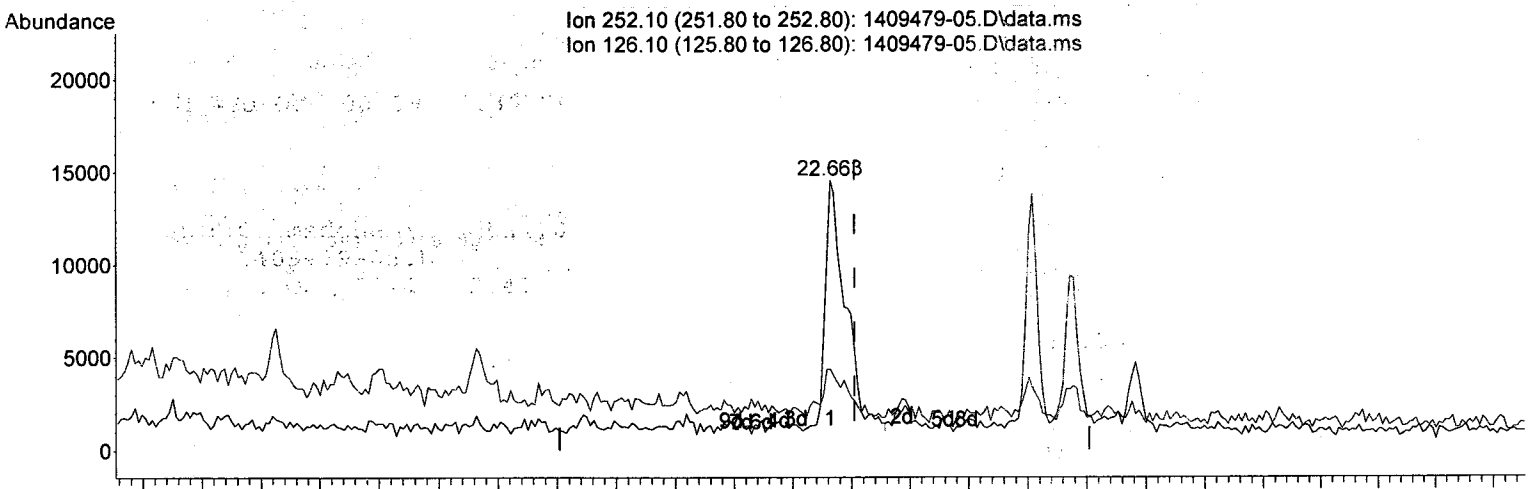
Analyst: JLB Date: 10/9/14

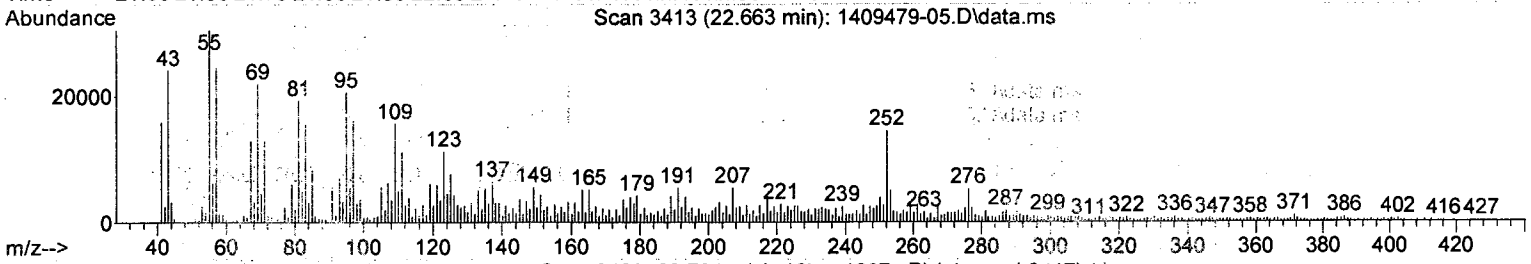
Reviewed By: DWT Date: 12-17-14

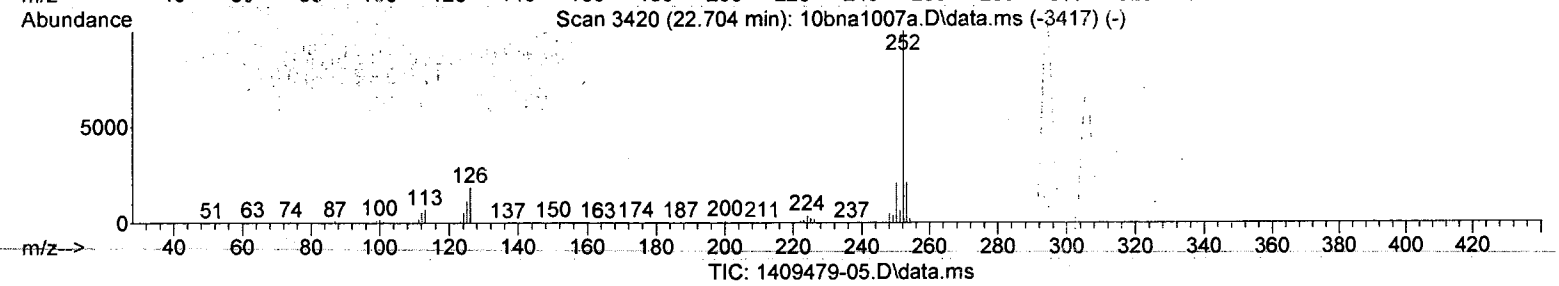
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(91) Benzo(k)fluoranthene

22.663min (-0.041) 1.15 ng/uL

response 32251

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	25.65#
0.00	0.00	0.00
0.00	0.00	0.00

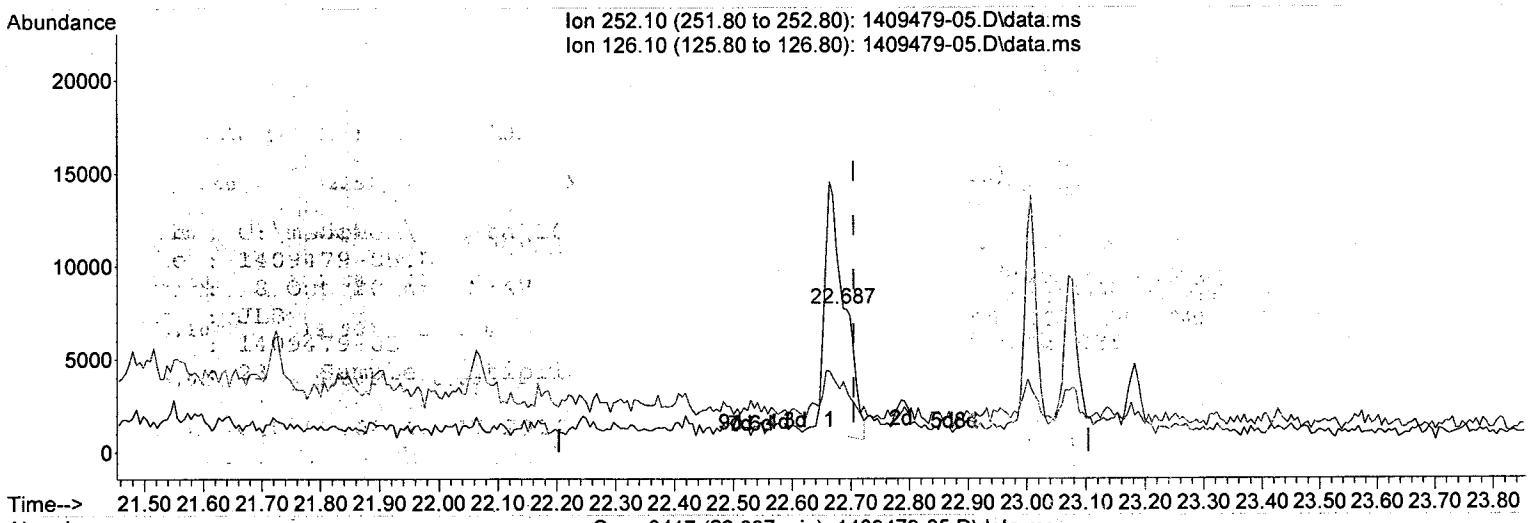
JVB 10/9/14

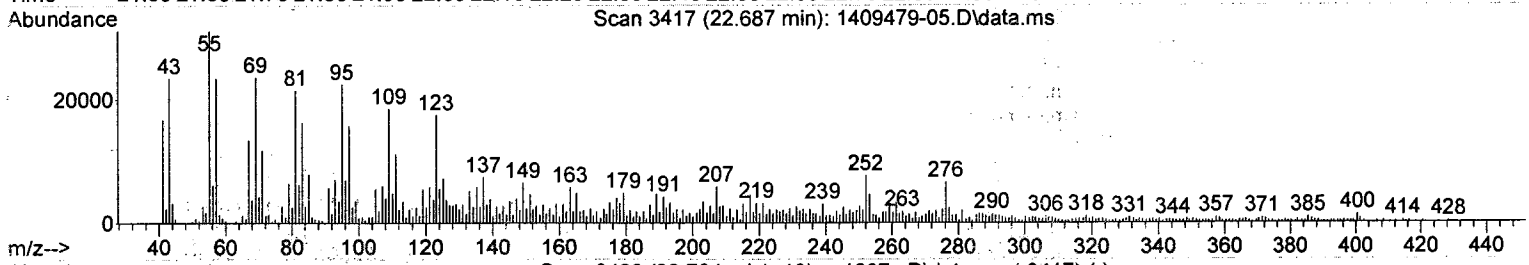
DWS 10-17-14

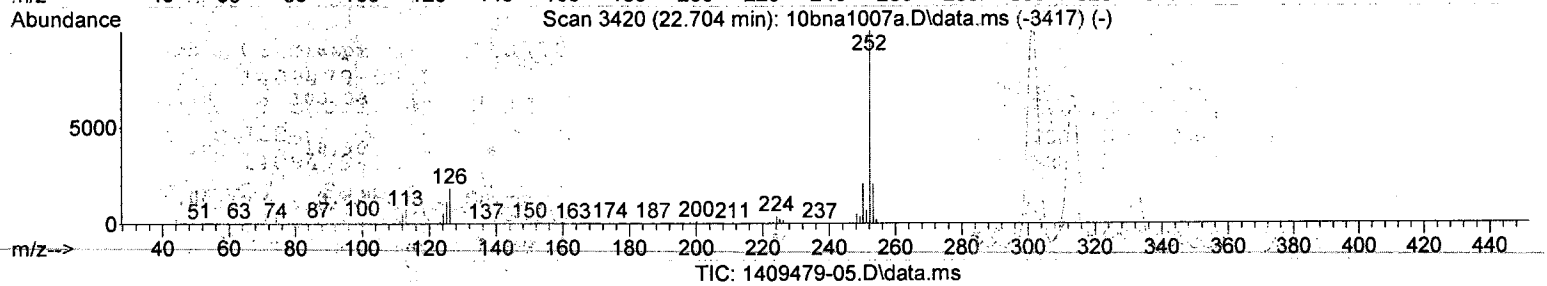
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(91) Benzo(k)fluoranthene

22.687min (-0.018) 0.28 ng/uL m

response 7972

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	103.76#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) No

Analyst: JLB Date: 10/9/14

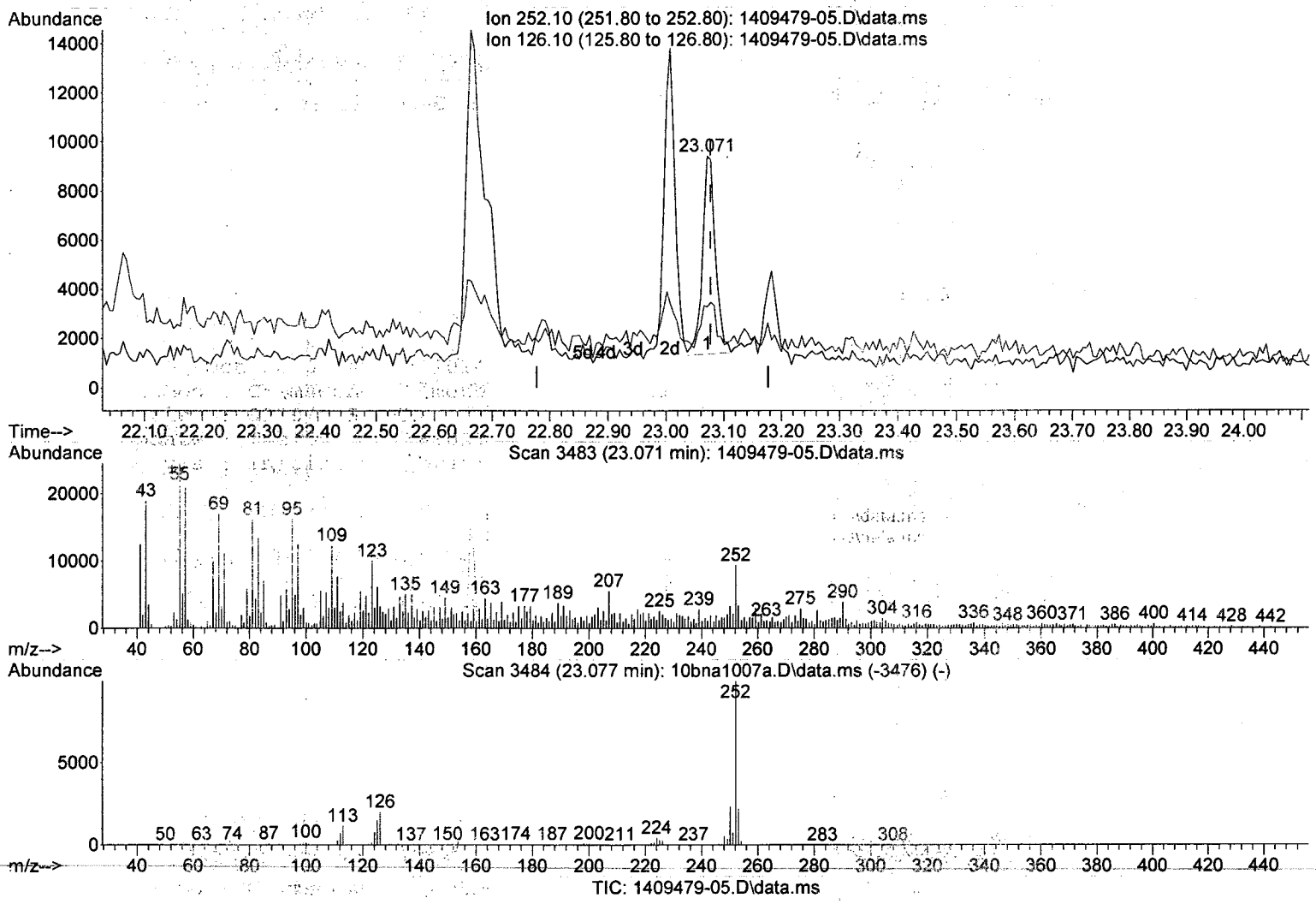
Reviewed By: DWS Date: 10-17-14

002658

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

23.071min (-0.006) 0.54 ng/uL

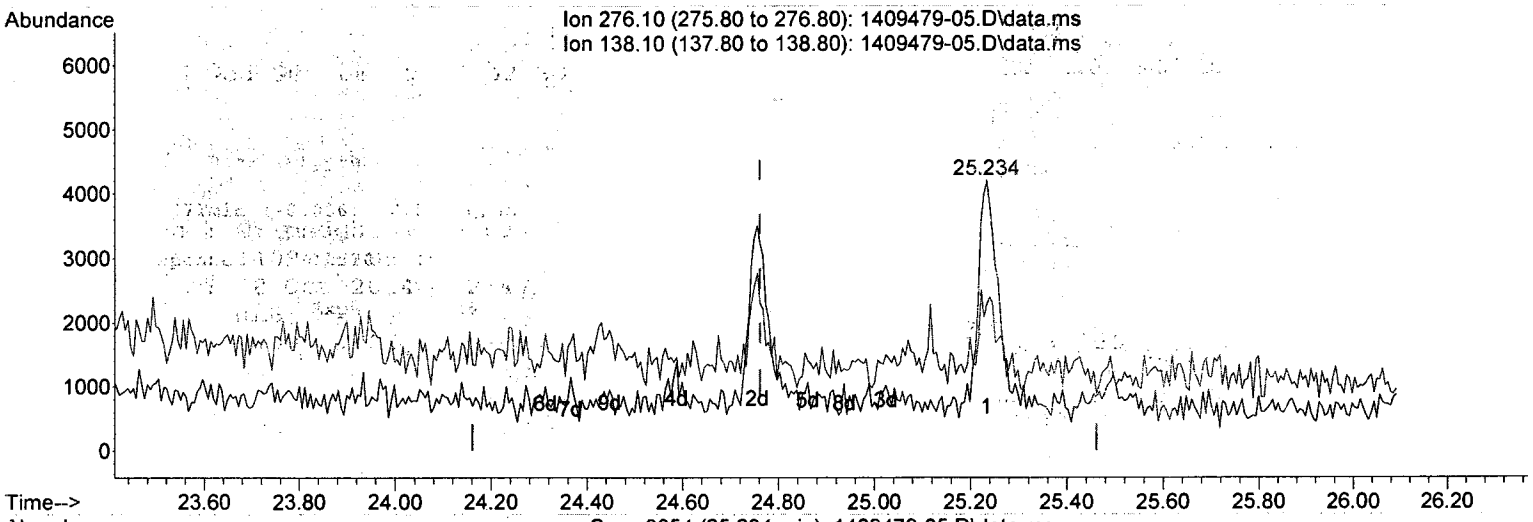
response 12526

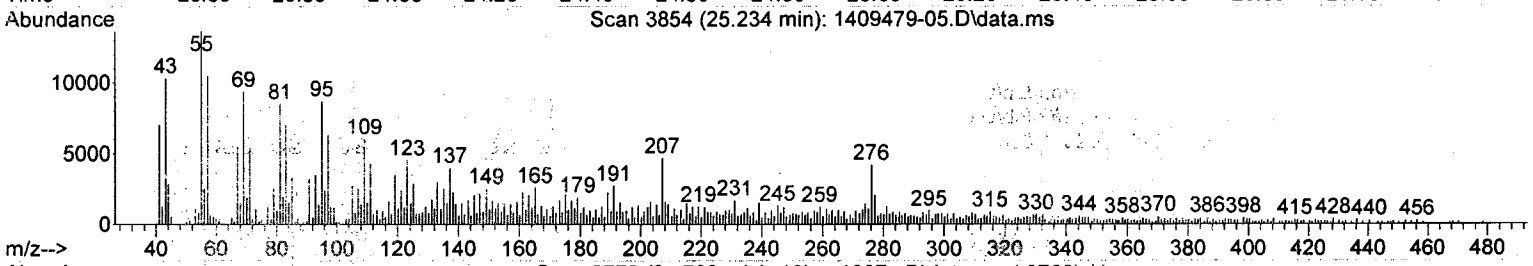
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	26.18#
0.00	0.00	0.00
0.00	0.00	0.00

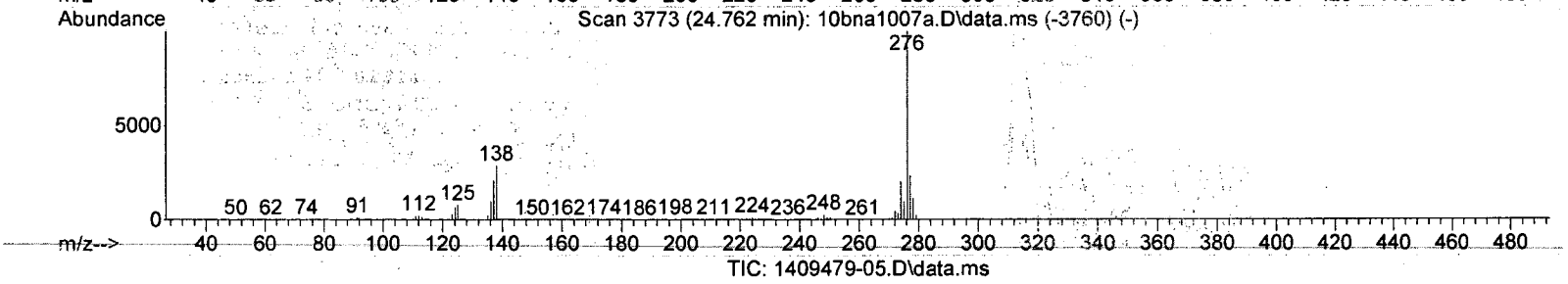
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

25.234min (+ 0.472) 0.59 ng/uL

response 11842

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	25.76
0.00	0.00	0.00
0.00	0.00	0.00

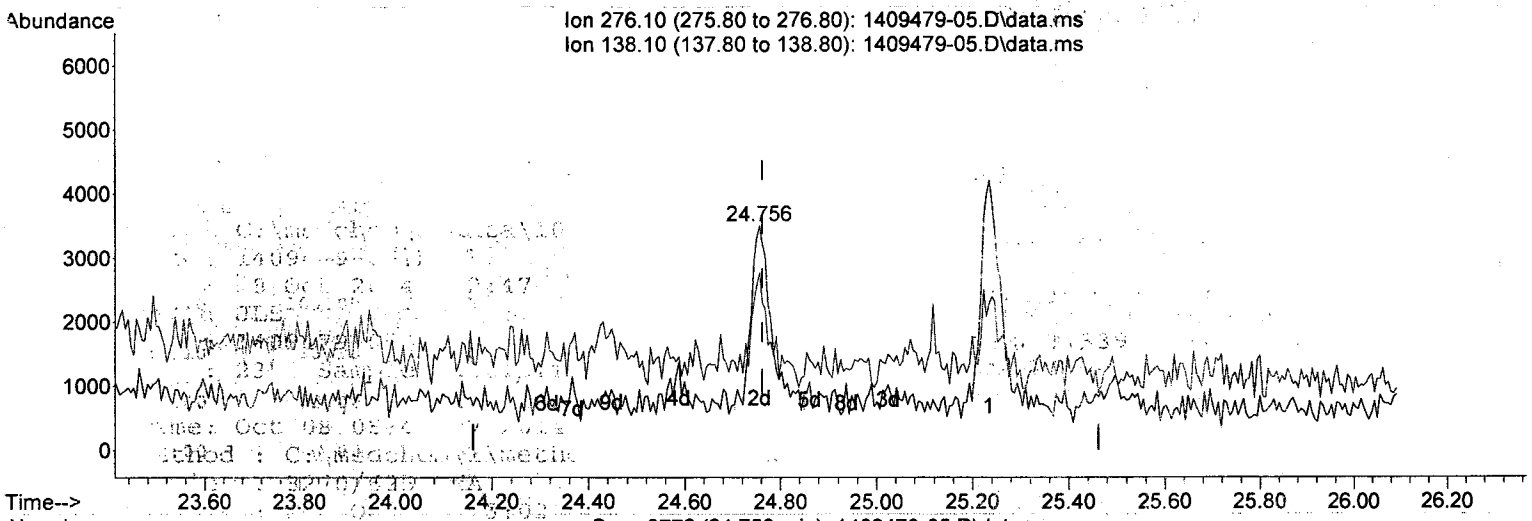
JWB 10/9/14

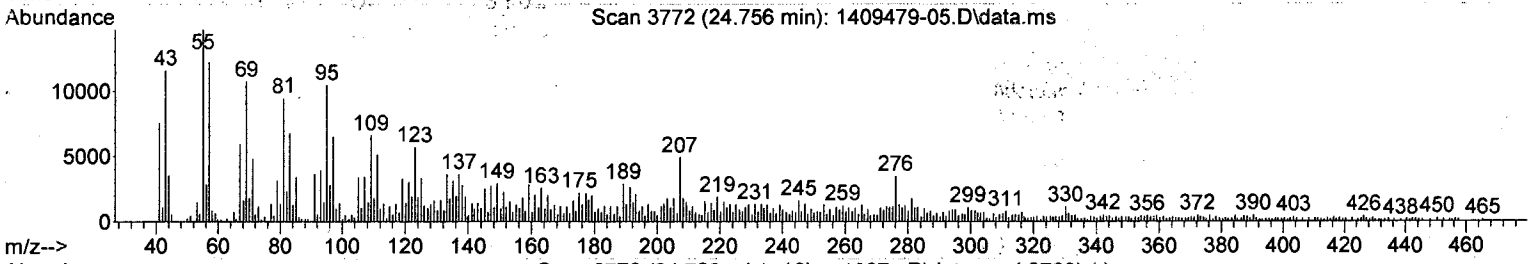
DWT 10-17-14

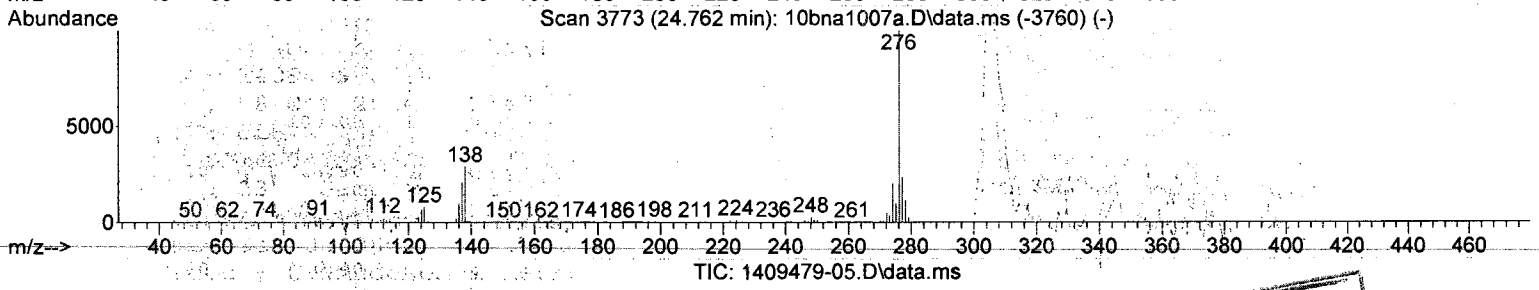
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.756min (-0.006) 0.42 ng/uL m

response 8435

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	36.16#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: [signature] Date: 10/9/14

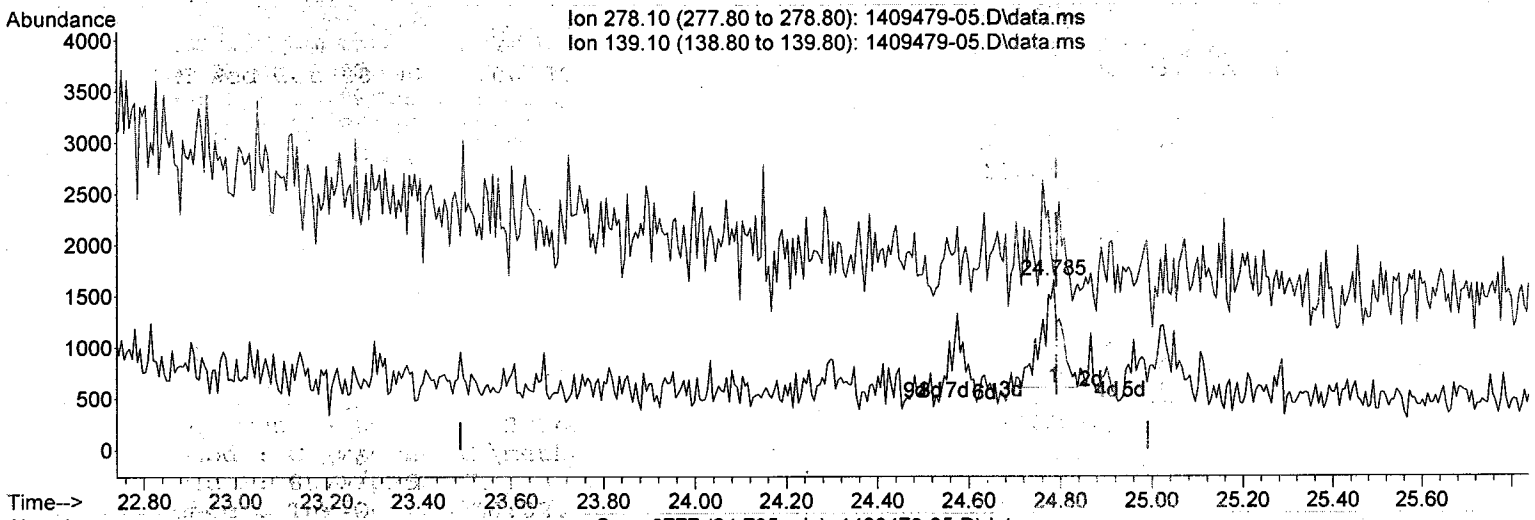
Reviewed By: [signature] Date: 10-17-14

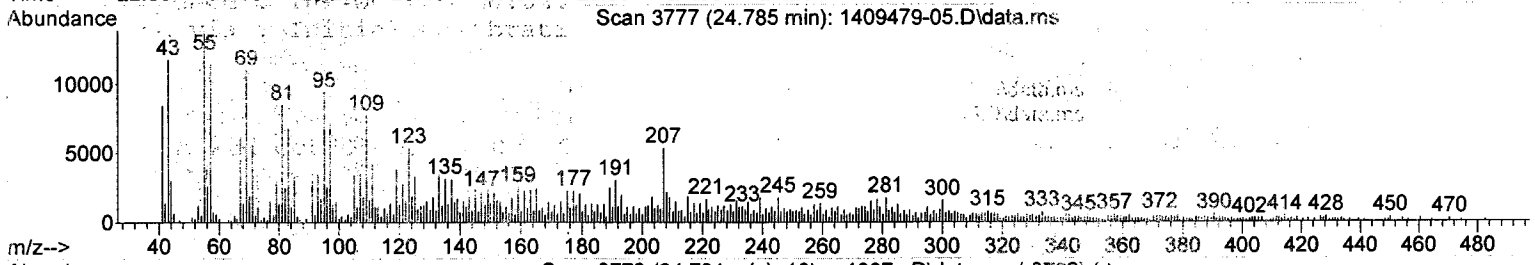
002661

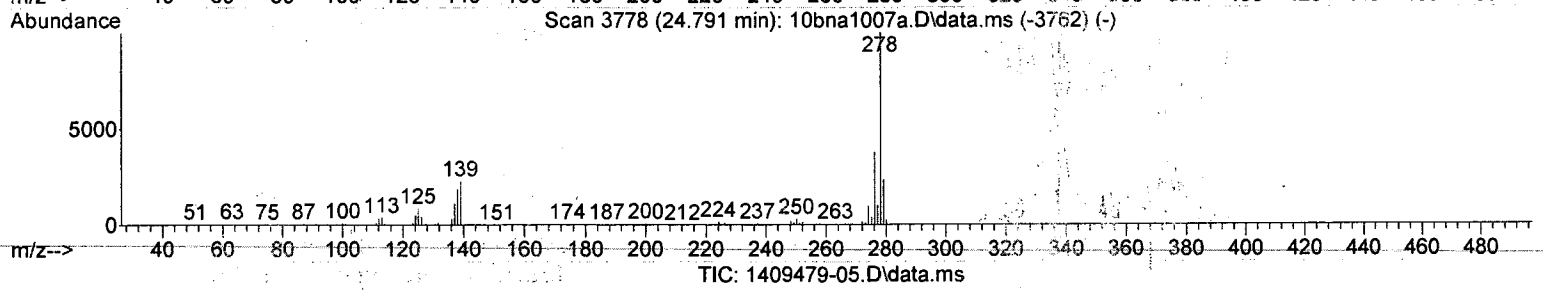
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(94) Dibdenz(a,h)anthracene

24.785min (-0.006) 0.19 ng/uL

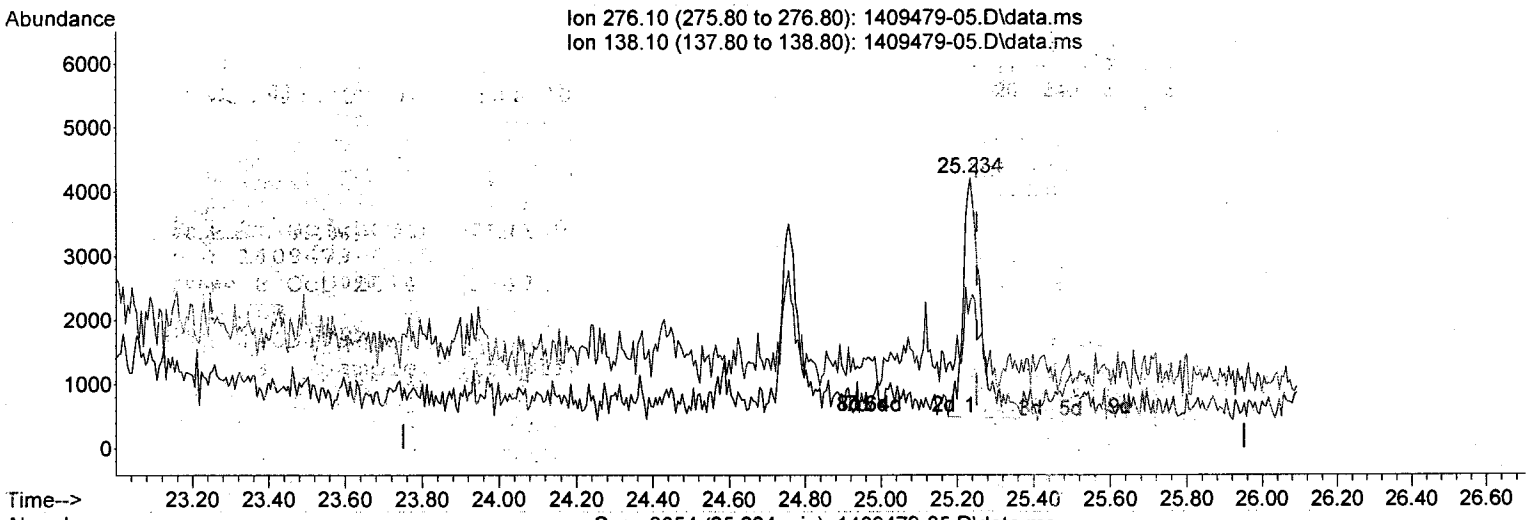
response 3096

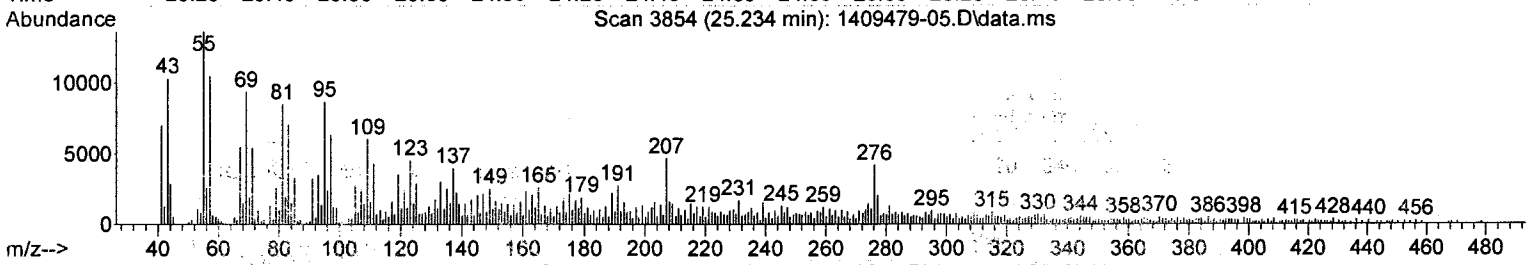
Ion	Err%	Act%
278.10	100.00	100.00
139.10	17.20	35.66#
0.00	0.00	0.00
0.00	0.00	0.00

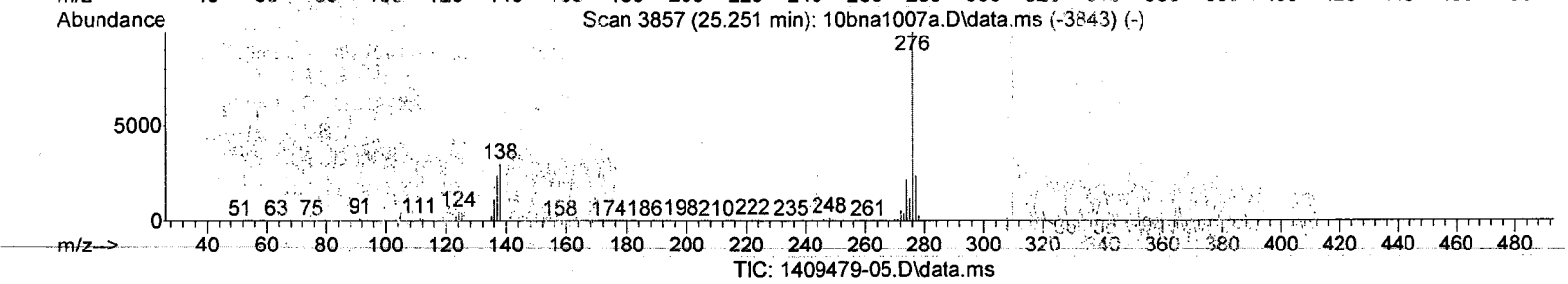
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-05.D
Acq On : 8 Oct 2014 2:47
Operator : JLB
Sample : 1409479-05 Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 08:42:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1409479-05.D\data.ms

(95) Benzo(g,h,i)Perylene

25.234min (-0.018) 0.69 ng/uL

response 12033

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	25.21
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-05RE1 File ID: 1409479-05 20x.D

Sampled: 09/25/14 10:50 Prepared: 10/01/14 07:29 Analyzed: 10/14/14 16:47

Solids: 96.85 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	20	340	96	340	340	U
208-96-8	Acenaphthylene	20	340	86	340	340	U
120-12-7	Anthracene	20	340	83	340	340	U
56-55-3	Benzo(a)anthracene	20	170	57	170	340	U
50-32-8	Benzo(a)pyrene	20	170	47	170	340	U
205-99-2	Benzo(b)fluoranthene	20	43	39	170	340	J
207-08-9	Benzo(k)fluoranthene	20	170	40	170	340	U
191-24-2	Benzo(g,h,i)perylene	20	170	39	170	690	U
65-85-0	Benzoic Acid	20	3400	1400	3400	6900	U
100-51-6	Benzyl Alcohol	20	340	95	340	340	U
101-55-3	4-Bromophenyl Phenyl Ether	20	340	83	340	340	U
85-68-7	Butyl Benzyl Phthalate	20	420	83	340	690	J
86-74-8	Carbazole	20	340	83	340	3400	U
59-50-7	4-Chloro-3-methylphenol	20	340	100	340	340	U
106-47-8	4-Chloroaniline	20	340	180	340	1400	U
111-91-1	Bis(2-chloroethoxy)methane	20	340	84	340	340	U
111-44-4	Bis(2-chloroethyl) Ether	20	340	82	340	340	U
108-60-1	Bis(2-chloroisopropyl) Ether	20	170	76	170	340	U
91-58-7	2-Chloronaphthalene	20	340	100	340	340	U
95-57-8	2-Chlorophenol	20	340	81	340	340	U
7005-72-3	4-Chlorophenyl Phenyl Ether	20	340	78	340	340	U
218-01-9	Chrysene	20	340	80	340	340	U
53-70-3	Dibenz(a,h)anthracene	20	170	39	170	690	U
132-64-9	Dibenzofuran	20	340	100	340	340	U
84-74-2	Di-n-butyl Phthalate	20	690	280	690	1400	U
106-46-7	1,4-Dichlorobenzene	20	340	100	340	340	U
95-50-1	1,2-Dichlorobenzene	20	340	110	340	340	U
541-73-1	1,3-Dichlorobenzene	20	340	120	340	340	U
91-94-1	3,3´-Dichlorobenzidine	20	14000	5700	14000	17000	U
120-83-2	2,4-Dichlorophenol	20	340	84	340	690	U
84-66-2	Diethyl Phthalate	20	340	100	340	340	U
105-67-9	2,4-Dimethylphenol	20	2800	750	2800	3400	U
131-11-3	Dimethyl Phthalate	20	340	97	340	340	U
534-52-1	4,6-Dinitro-2-methylphenol	20	1400	440	1400	3400	U
51-28-5	2,4-Dinitrophenol	20	3400	1200	3400	3400	U
606-20-2	2,6-Dinitrotoluene	20	170	83	170	340	U
121-14-2	2,4-Dinitrotoluene	20	170	68	170	690	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-05RE1
File ID: 1409479-05 20x.D
Sampled: 09/25/14 10:50
Prepared: 10/01/14 07:29
Analyzed: 10/14/14 16:47
Solids: 96.85
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410496
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	20	340	80	340	340	U
122-66-7	1,2-Diphenylhydrazine	20	170	69	170	340	U
117-81-7	Bis(2-ethylhexyl) Phthalate	20	990	240	340	690	**B**
206-44-0	Fluoranthene	20	340	92	340	340	U
86-73-7	Fluorene	20	340	83	340	690	U
118-74-1	Hexachlorobenzene	20	340	98	340	340	U
87-68-3	Hexachlorobutadiene	20	340	95	340	340	U
67-72-1	Hexachloroethane	20	340	100	340	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	20	170	55	170	690	U
78-59-1	Isophorone	20	340	80	340	340	U
91-57-6	2-Methylnaphthalene	20	340	94	340	340	U
108-39-4	3+4-Methylphenol	20	170	76	170	340	U
95-48-7	2-Methylphenol	20	170	73	170	340	U
91-20-3	Naphthalene	20	340	120	340	340	U
100-01-6	4-Nitroaniline	20	1400	510	1400	6800	U
88-74-4	2-Nitroaniline	20	170	74	170	340	U
99-09-2	3-Nitroaniline	20	690	340	690	6800	U
98-95-3	Nitrobenzene	20	340	95	340	340	U
88-75-5	2-Nitrophenol	20	340	92	340	340	U
100-02-7	4-Nitrophenol	20	6900	2100	6900	14000	U
62-75-9	N-Nitroso-dimethylamine	20	140	68	140	690	U
86-30-6	N-Nitroso-diphenylamine	20	170	71	170	340	U
621-64-7	N-Nitroso-di-n-propylamine	20	340	83	340	340	U
87-86-5	Pentachlorophenol	20	340	270	340	3400	U
85-01-8	Phenanthrene	20	340	84	340	340	U
108-95-2	Phenol	20	340	80	340	3400	U
129-00-0	Pyrene	20	340	89	340	340	U
120-82-1	1,2,4-Trichlorobenzene	20	340	91	340	340	U
95-95-4	2,4,5-Trichlorophenol	20	340	93	340	340	U
88-06-2	2,4,6-Trichlorophenol	20	170	52	170	340	U

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	443820	7.58	403279	7.614	
Naphthalene-d8	1737830	10.307	1529030	10.359	
Acenaphthene-d10	976936	14.411	866604	14.474	
Phenanthrene-d10	1507372	17.844	1400442	17.901	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-05RE1
File ID: 1409479-05 20x.D
Sampled: 09/25/14 10:50
Prepared: 10/01/14 07:29
Analyzed: 10/14/14 16:47
Solids: 96.85
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410496
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

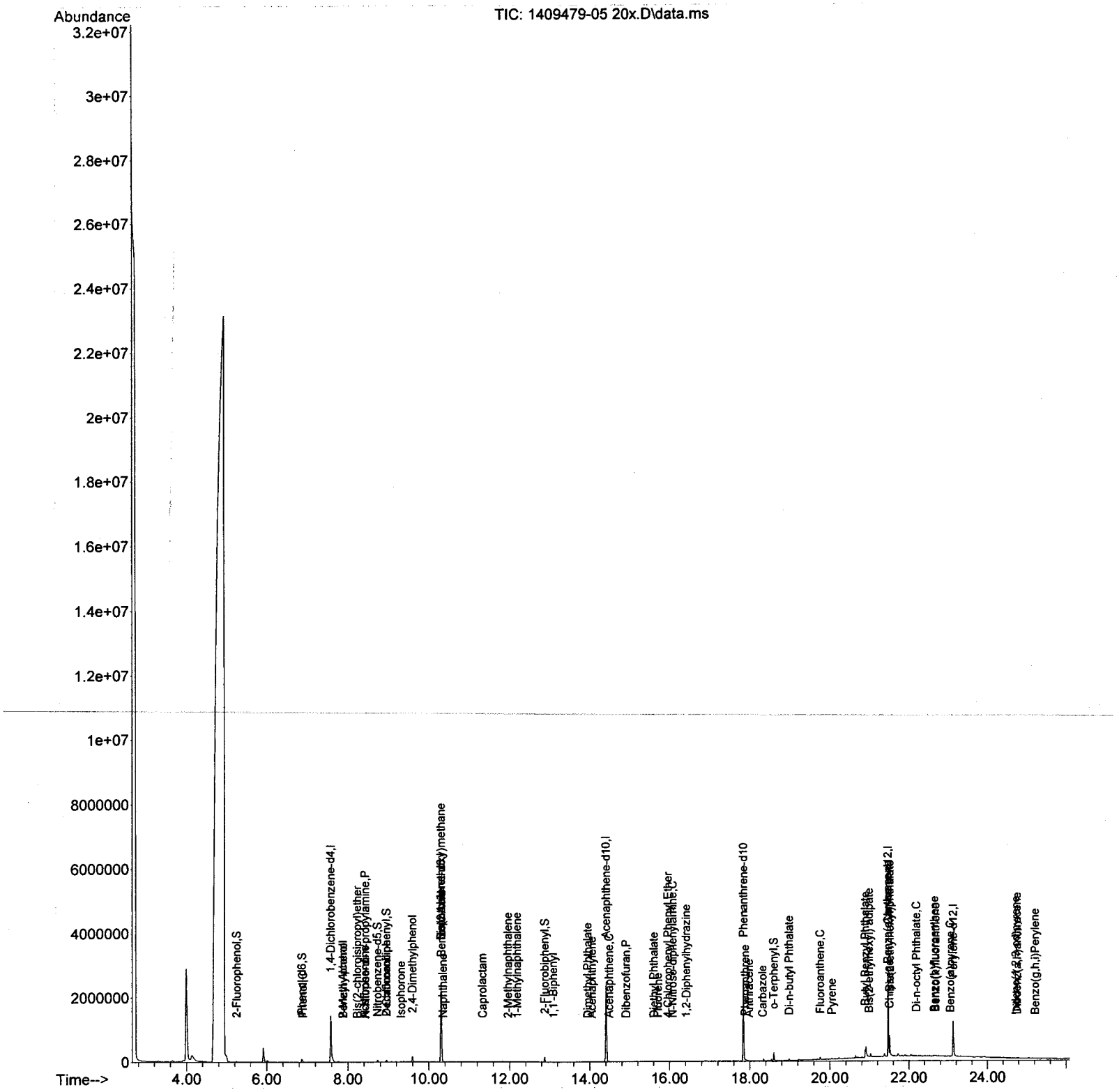
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chrysene-d12	1112548	21.469	1153654	21.538	
Perylene-d12	610290	23.124	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05 20x.D
Acq On : 14 Oct 2014 16:47
Operator : JLB
Sample : 1409479-05 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 08:00:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05 20x.D
Acq On : 14 Oct 2014 16:47
Operator : JLB
Sample : 1409479-05 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

RE1

Quant Time: Oct 15 08:00:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.580	152	443820	5.00	ng/uL	# 0.01
20) Naphthalene-d8	10.307	136	1737830	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.411	164	976936	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.844	188	1507372	5.00	ng/uL	0.00
81) Chrysene-d12	21.469	240	1112548	5.00	ng/uL	# 0.00
89) Perylene-d12	23.124	264	610290	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.248	112	10369	0.10	ng/uL	0.10
6) Phenol-d6	6.868	99	72521	0.55	ng/uL	0.00
21) Nitrobenzene-d5	8.728	82	35251	0.32	ng/uL	-0.02
23) Decafluorobiphenyl	8.955	334	27798	0.36	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.878	172	82728	0.41	ng/uL	-0.01
70) 2,4,6-Tribromophenol	0.000	330	0	0.00	ng/uL	
78) o-Terphenyl	18.601	230	58902	0.46	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Aniline	0.000		0	N.D.		
7) Phenol	6.892	94	1202	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.238	45	240	0.00	ng/uL#	51
14) Benzyl Alcohol	7.883	108	2947	0.04	ng/uL	97
15) 2-Methylphenol	7.883	108	2947	0.03	ng/uL#	72
16) Acetophenone	8.419	105	358	0.00	ng/uL#	62
17) Hexachloroethane	0.000		0	N.D.		
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.430	70	151	0.00	ng/uL#	1
22) Nitrobenzene	8.728	77	59	0.00	ng/uL#	1
24) Isophorone	9.316	82	6665	0.03	ng/uL	97
25) 2-Chloroaniline	8.955	127	208	0.00	ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.596	107	55	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	10.307	93	906	0.01	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	10.313	105	2735	~~2.48~~	ng/uL#	1
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.348	128	1598	0.00	ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.		
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.333	55	128	0.00	ng/uL#	21
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 2-Methylnaphthalene	11.963	142	2234	0.01	ng/uL	95
40) 1-Methylnaphthalene	12.190	142	2421	0.01	ng/uL	96
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05 20x.D
Acq On : 14 Oct 2014 16:47
Operator : JLB
Sample : 1409479-05 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 08:00:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	0.000		0	N.D.	
49) 1,1'-Biphenyl	13.093	154	614	0.00 ng/uL#	65
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.061	152	201	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.956	163	55	0.00 ng/uL#	1
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.481	153	1785	0.01 ng/uL	96
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.906	168	787	0.00 ng/uL#	82
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.710	166	1341	0.01 ng/uL#	61
63) Diethyl Phthalate	15.606	149	1001	0.01 ng/uL#	64
64) 4-Chlorophenyl Phenyl ...	15.961	204	59	0.00 ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.078	169	149	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	16.416	182	57	0.00 ng/uL	80
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	0.000		0	N.D.	
75) Phenanthrene	17.885	178	12398	0.04 ng/uL#	89
76) Anthracene	17.978	178	3199	0.01 ng/uL	98
77) Carbazole	18.316	167	1098	0.00 ng/uL#	82
79) Di-n-butyl Phthalate	18.986	149	27726	0.10 ng/uL	95
80) Fluoroanthene	19.761	202	12377	0.04 ng/uL#	71
82) Pyrene	20.053	202	14605	0.06 ng/uL#	89
83) Butyl Benzyl Phthalate	20.886	149	59924	0.58 ng/uL	90
84) Bis(2-ethylhexyl) adipate	20.985	129	1266	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.463	228	11170	0.06 ng/uL#	38
86) Chrysene	21.498	228	8474	0.04 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.510	149	183632	1.38 ng/uL	91
88) Di-n-octyl Phthalate	22.186	149	1496m	0.35 ng/uL	
90) Benzo(b)fluoroanthene	22.647	252	6543	0.06 ng/uL#	70
91) Benzo(k)fluoranthene	22.682	252	5245	0.04 ng/uL#	87
92) Benzo(a)pyrene	23.055	252	4579	0.04 ng/uL#	91
93) Indeno(1,2,3-cd)pyrene	24.722	276	2977	0.03 ng/uL#	84
94) Dibdenz(a,h)anthracene	24.756	278	1298	0.02 ng/uL#	46
95) Benzo(g,h,i)Perylene	25.211	276	2180	0.03 ng/uL#	57

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05 20x.D
Acq On : 14 Oct 2014 16:47
Operator : JLB
Sample : 1409479-05 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 07:50:12 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.580	152	438537	5.00	ng/uL	#	0.01
8) Naphthalene-d8	10.307	136	1737830	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.411	164	975430	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.844	188	1508561	5.00	ng/uL		0.00
19) Chrysene-d12	21.469	240	1112548	5.00	ng/uL	#	0.00
22) Perylene-d12	23.124	264	612805	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.			
3) Pyridine	2.753	79	154	0.00	ng/uL		84
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.740	105	2601	0.03	ng/uL#		1
6) Acetophenone	8.419	105	358	0.00	ng/uL#		62
7) N-Nitroso-di-n-propyla...	8.430	70	151	0.00	ng/uL#		1
9) 4-Chloroaniline	0.000		0	N.D.			
10) Caprolactam	11.292	55	399	0.10	ng/uL#		21
12) 1,1'-Biphenyl	13.093	154	614	0.00	ng/uL#		65
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.078	169	149	0.00	ng/uL#		26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.000	184	410	0.41	ng/uL#		22
21) 3,3'-Dichlorobenzidine	21.189	252	116	0.00	ng/uL		84

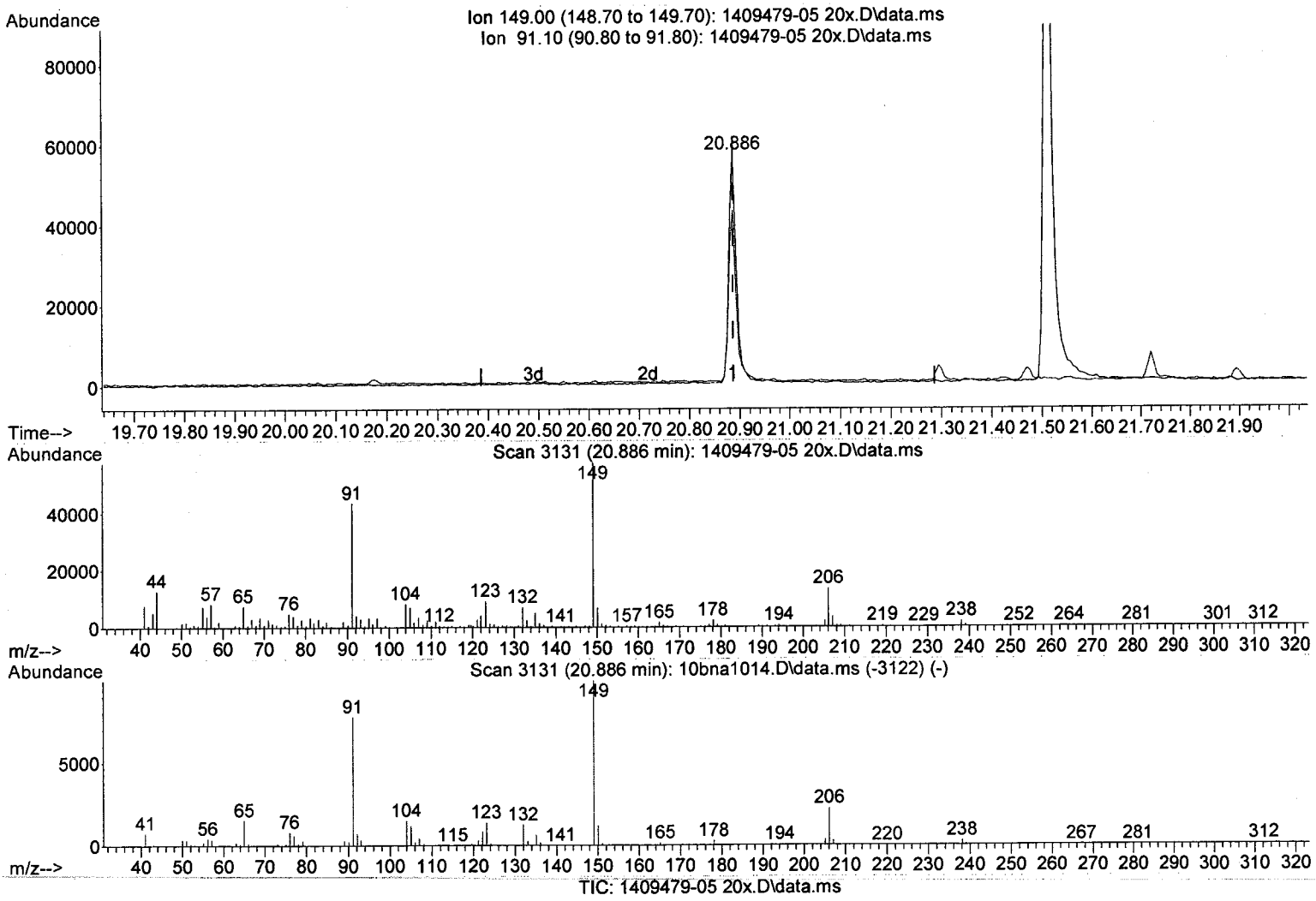
(#) = qualifier out of range (m) = manual integration (+) = signals summed

002670

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05 20x.D
Acq On : 14 Oct 2014 16:47
Operator : JLB
Sample : 1409479-05 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 07:59:39 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05 20x.D\data.ms

(83) Butyl Benzyl Phthalate

20.886min (+ 0.000) 0.58 ng/uL

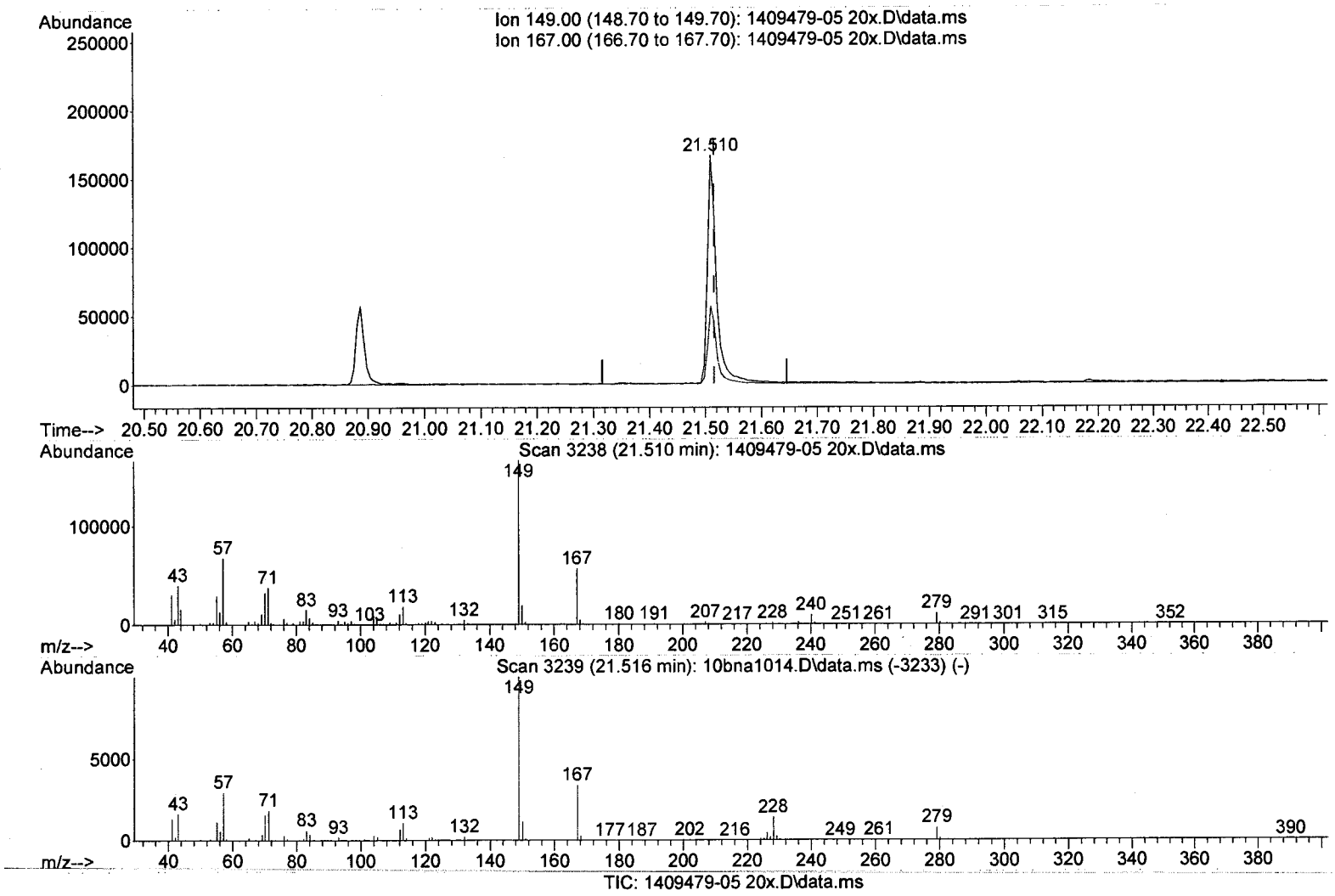
response 59924

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	75.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05 20x.D
Acq On : 14 Oct 2014 16:47
Operator : JLB
Sample : 1409479-05 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 07:59:39 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05 20x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.510min (-0.006) 1.38 ng/uL

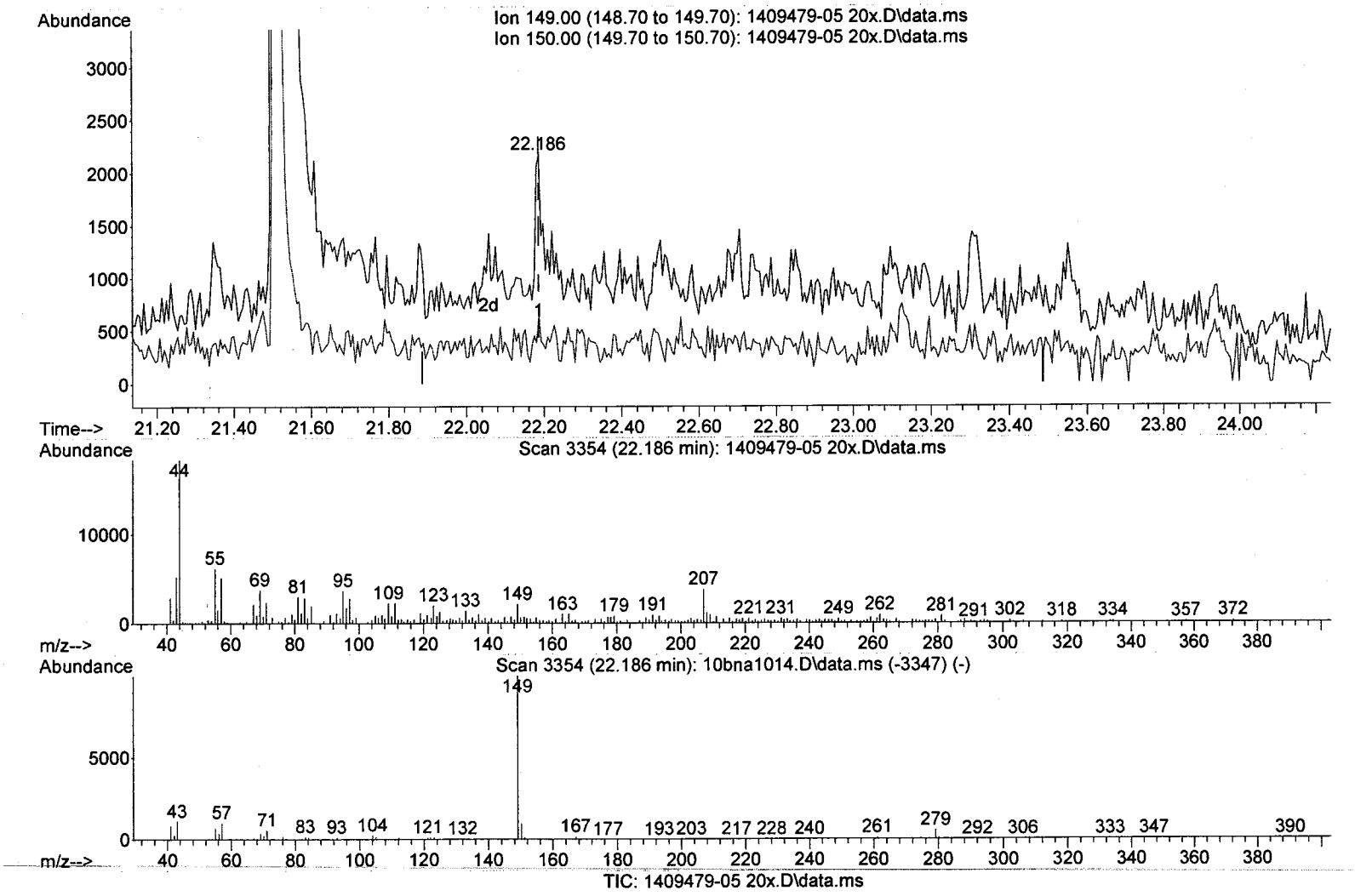
response 183632

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05 20x.D
Acq On : 14 Oct 2014 16:47
Operator : JLB
Sample : 1409479-05 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 07:59:39 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05 20x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.186min (+ 0.000) 0.42 ng/uL

response 20251

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	2.61#
0.00	0.00	0.00
0.00	0.00	0.00

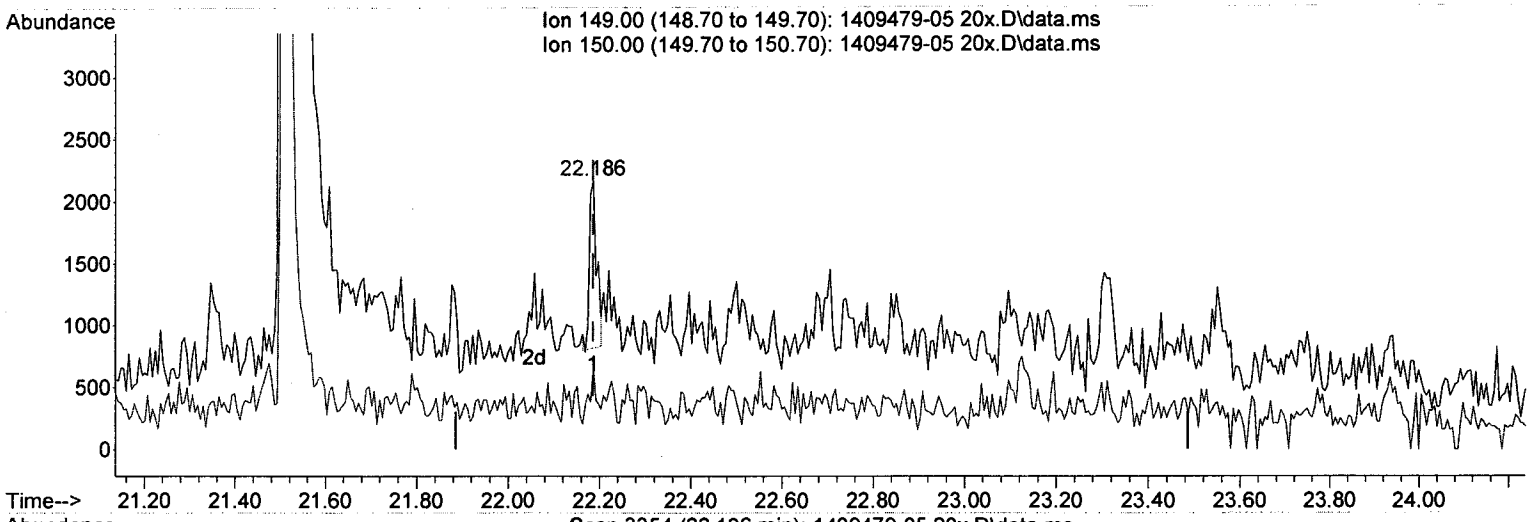
DWG
10-17-14

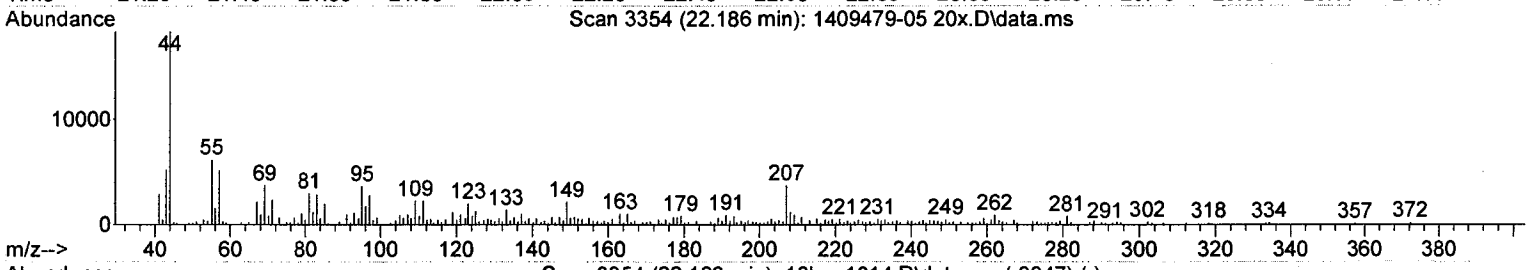
JWB 10/15/14

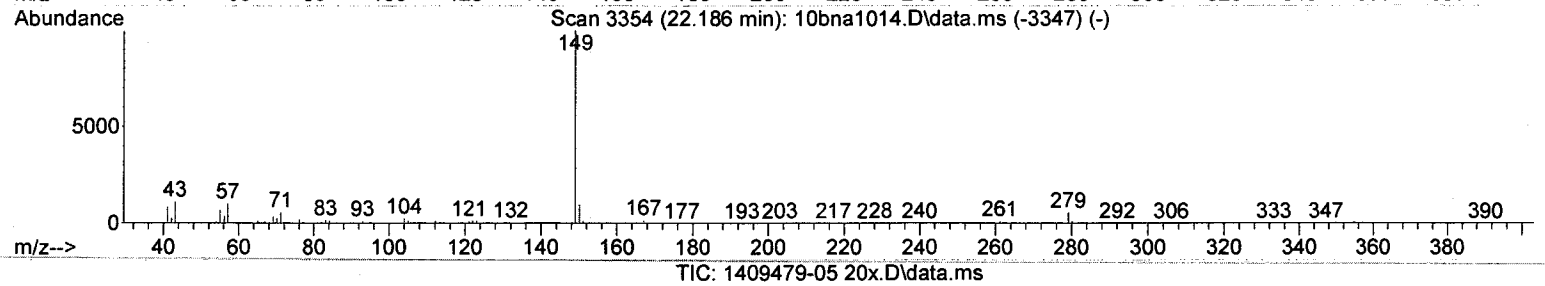
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05 20x.D
Acq On : 14 Oct 2014 16:47
Operator : JLB
Sample : 1409479-05 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 07:59:39 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1409479-05 20x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.186min (+ 0.000) 0.35 ng/uL m

response 1496

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	35.29#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

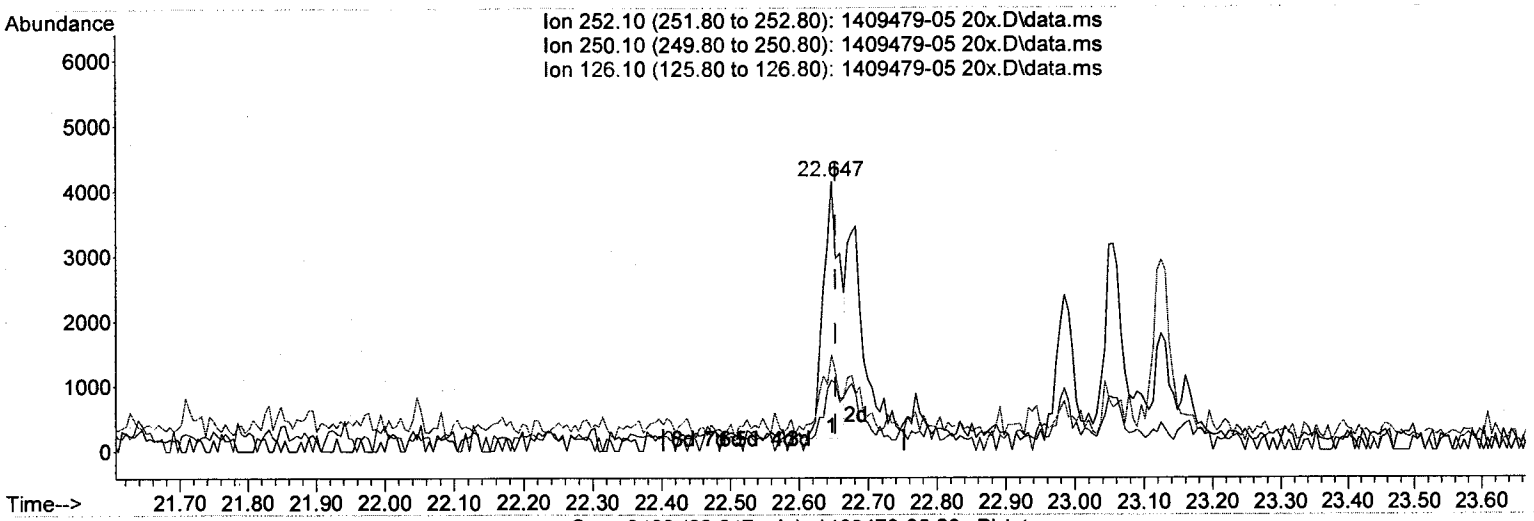
Reviewed By: DWS Date: 10-17-14

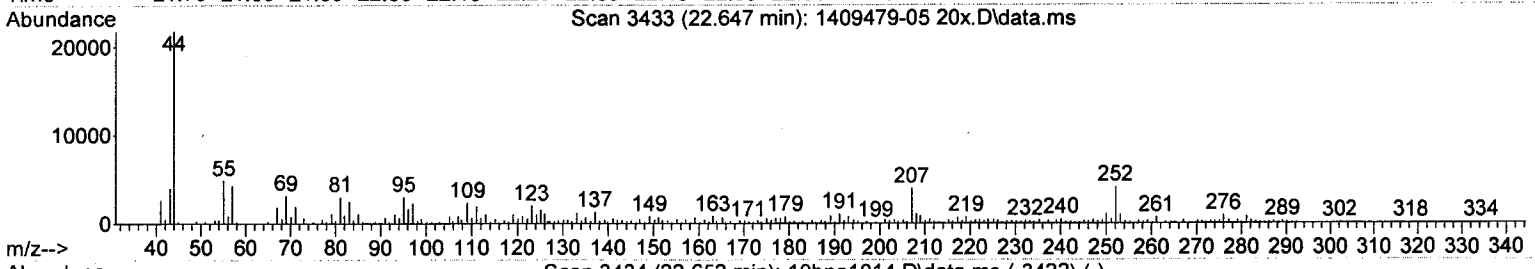
PP

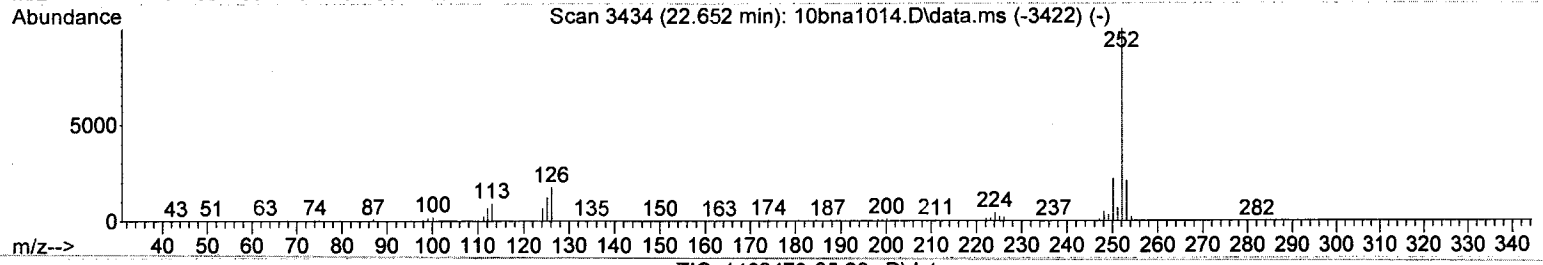
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05 20x.D
Acq On : 14 Oct 2014 16:47
Operator : JLB
Sample : 1409479-05 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 07:59:39 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1409479-05 20x.D\data.ms

(90) Benzo(b)fluoroanthene

22.647min (-0.006) 0.06 ng/uL

response 6543

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	33.72#
126.10	17.20	34.37#
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-05RE2 File ID: 1409479-05re2.D

Sampled: 09/25/14 10:50 Prepared: 10/08/14 07:29 Analyzed: 10/14/14 23:13

Solids: 96.85 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	18	2.8	8.6	17	
50-32-8	Benzo(a)pyrene	1	24	2.4	8.6	17	
205-99-2	Benzo(b)fluoranthene	1	43	2.0	8.6	17	
207-08-9	Benzo(k)fluoranthene	1	21	2.0	8.6	17	
191-24-2	Benzo(g,h,i)perylene	1	13	2.0	8.6	34	J
65-85-0	Benzoic Acid	1	170	71	170	340	U
100-51-6	Benzyl Alcohol	1	32	4.8	17	17	
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	630	4.1	17	34	
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	23	4.0	17	17	
53-70-3	Dibenz(a,h)anthracene	1	5.7	2.0	8.6	34	J
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-05RE2 File ID: 1409479-05re2.D

Sampled: 09/25/14 10:50 Prepared: 10/08/14 07:29 Analyzed: 10/14/14 23:13

Solids: 96.85 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	1400	12	17	34	BE
206-44-0	Fluoranthene	1	25	4.6	17	17	
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	10	2.8	8.6	34	J
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	19	4.2	17	17	
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	52	4.5	17	17	
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	717	147	20	33 - 113	*
Phenol-d6	717	526	73	30 - 115	
Nitrobenzene-d5	359	225	63	33 - 131	
2-Fluorobiphenyl	359	367	102	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-05RE2
File ID: 1409479-05re2.D
Sampled: 09/25/14 10:50
Prepared: 10/08/14 07:29
Analyzed: 10/14/14 23:13
Solids: 96.85
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410496
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	717	1.43	0.2	12 - 124	*
o-Terphenyl	359	374	104	20 - 155	

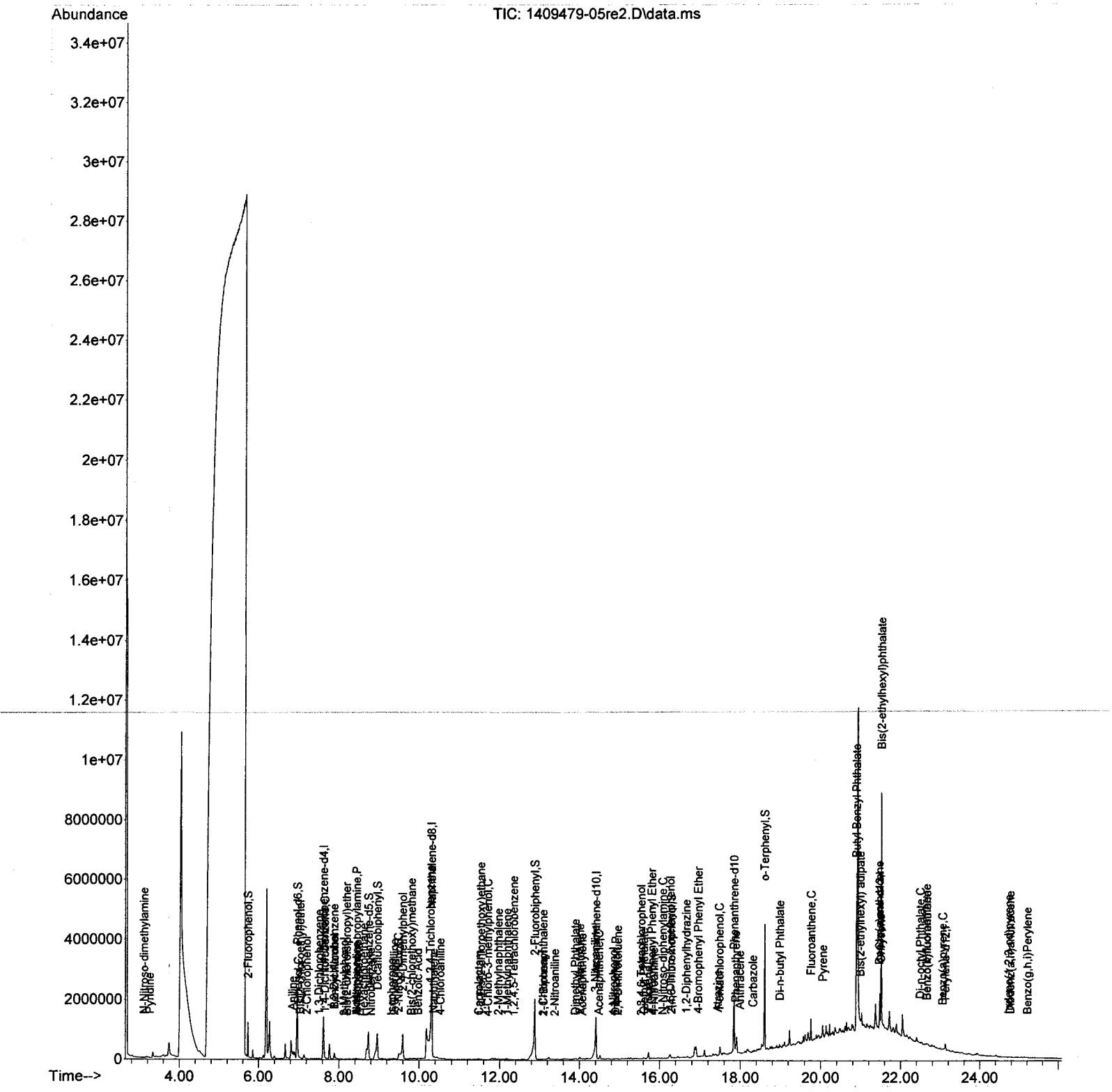
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	382211	7.62	403279	7.614	
Naphthalene-d8	1476339	10.307	1529030	10.359	
Acenaphthene-d10	839138	14.411	866604	14.474	
Phenanthrene-d10	1229489	17.844	1400442	17.901	
Chrysene-d12	490072	21.469	1153654	21.538	*
Perylene-d12	117968	23.125	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:17:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:17:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.620	152	382211	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.307	136	1476339	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.411	164	839138	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.844	188	1229489	5.00	ng/uL	0.00
81) Chrysene-d12	21.469	240	490072 low	5.00	ng/uL	# 0.00
89) Perylene-d12	23.125	264	117968 low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.726	112	357325m	4.09	ng/uL	0.58
6) Phenol-d6	6.973	99	1660022	14.68	ng/uL	0.10
21) Nitrobenzene-d5	8.740	82	591957	6.27	ng/uL	0.00
23) Decafluorobiphenyl	8.961	334	616855	9.32	ng/uL	0.00
47) 2-Fluorobiphenyl	12.878	172	1776355	10.25	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.288	330	807	0.04	ng/uL	-0.01
78) o-Terphenyl	18.607	230	1099037	10.43	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.109	74	110	0.00	ng/uL#	1
3) Pyridine	3.255	79	1903	0.02	ng/uL	89
5) Aniline	6.851	93	2920	0.25	ng/uL	94
7) Phenol	6.991	94	7784	pp ~~0.06~~	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.043	93	651	0.01	ng/uL	85
9) 2-Chlorophenol	7.201	128	127	0.00	ng/uL#	1
10) 1,3-Dichlorobenzene	7.510	146	2667	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.650	146	1656	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.883	146	374	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.192	45	235	0.00	ng/uL#	51
14) Benzyl Alcohol	7.889	108	58024	0.88	ng/uL	84
15) 2-Methylphenol	8.128	108	282	0.00	ng/uL#	56
16) Acetophenone	8.431	105	10781	0.08	ng/uL#	63
17) Hexachloroethane	8.617	119	1632	0.04	ng/uL#	3
18) 4-Methylphenol	8.466	108	1627	0.02	ng/uL#	42
19) N-Nitroso-di-n-propyla...	8.442	70	3055	0.04	ng/uL#	6
22) Nitrobenzene	8.798	77	315	0.00	ng/uL#	66
24) Isophorone	9.317	82	16029	0.08	ng/uL	95
25) 2-Chloroaniline	9.381	127	63	0.00	ng/uL#	1
26) 2-Nitrophenol	9.486	139	336	0.01	ng/uL#	1
27) 2,4-Dimethylphenol	9.591	107	459	0.00	ng/uL	86
28) Bis(2-chlorethoxy)methane	9.812	93	342	0.00	ng/uL	96
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.969	105	1997	pp ~~2.48~~	ng/uL#	42
31) 1,2,4-Trichlorobenzene	10.278	180	69	0.00	ng/uL	88
32) Naphthalene	10.354	128	24305	0.08	ng/uL#	1
33) 4-Chloroaniline	10.517	127	1776	0.02	ng/uL#	38
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.479	55	17736	0.42	ng/uL#	39
37) 1,2-Bis(2-chloroethoxy...	11.531	63	259	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.700	107	424	0.01	ng/uL#	14
39) 2-Methylnaphthalene	11.963	142	22921	0.12	ng/uL	89
40) 1-Methylnaphthalene	12.184	142	21151	0.12	ng/uL#	81
41) 1,3 Dinitrobenzene	13.845	168	52	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:17:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.353	216	73	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.088	162	549	0.00 ng/uL#	1
49) 1,1'-Biphenyl	13.094	154	5657	0.03 ng/uL#	83
50) 2-Nitroaniline	13.379	138	197	0.00 ng/uL#	14
51) Acenaphthylene	14.067	152	2176	0.01 ng/uL#	76
52) 2,6-Dinitrotoluene	14.009	165	1895	0.04 ng/uL#	29
53) Dimethyl Phthalate	13.898	163	1425	0.01 ng/uL#	88
54) 3-Nitroaniline	14.393	138	448	0.01 ng/uL#	56
55) Acenaphthene	14.481	153	4079	0.02 ng/uL#	78
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.900	168	8313	0.04 ng/uL	97
58) 4-Nitrophenol	14.842	65	691	0.02 ng/uL#	22
59) 2,4-Dinitrotoluene	14.947	165	997	0.02 ng/uL#	66
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	15.542	232	64	0.00 ng/uL#	12
62) Fluorene	15.716	166	4145	0.02 ng/uL#	21
63) Diethyl Phthalate	15.606	149	14974	0.09 ng/uL	94
64) 4-Chlorophenyl Phenyl ...	15.804	204	52	0.00 ng/uL#	1
65) 4-Nitroaniline	15.856	138	605	0.02 ng/uL#	54
67) 4,6-Dinitro-2-methylph...	16.264	198	117	0.99 ng/uL#	1
68) N-Nitroso-diphenylamine	16.072	169	3277	0.02 ng/uL#	53
69) 1,2-Diphenylhydrazine	16.661	182	142	0.00 ng/uL	87
71) 4-Bromophenyl Phenyl E...	16.958	248	56	0.00 ng/uL	97
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.442	200	313	0.01 ng/uL#	1
74) Pentachlorophenol	17.482	266	76	0.00 ng/uL#	1
75) Phenanthrene	17.885	178	123697	0.52 ng/uL	97
76) Anthracene	17.984	178	17313	0.08 ng/uL#	82
77) Carbazole	18.310	167	11796	0.06 ng/uL	96
79) Di-n-butyl Phthalate	18.986	149	24087	0.10 ng/uL#	67
80) Fluoroanthene	19.761	202	162069	0.71 ng/uL	98
82) Pyrene	20.053	202	168263	1.45 ng/uL#	91
83) Butyl Benzyl Phthalate	20.886	149	809457	17.64 ng/uL	94
84) Bis(2-ethylhexyl) adipate	20.985	129	8221	0.25 ng/uL#	100
85) Benzo(a)anthracene	21.463	228	45938	0.51 ng/uL#	92
86) Chrysene	21.498	228	54744	0.63 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.510	149	2353521	40.04 ng/uL	94
88) Di-n-octyl Phthalate	22.489	149	157377	1.80 ng/uL#	77
90) Benzo(b)fluoroanthene	22.647	252	25444m	1.19 ng/uL	
91) Benzo(k)fluoranthene	22.658	252	14040m	0.58 ng/uL	
92) Benzo(a)pyrene	23.055	252	13812	0.68 ng/uL#	82
93) Indeno(1,2,3-cd)pyrene	24.727	276	5003m	0.29 ng/uL	
94) Dibdenz(a,h)anthracene	24.768	278	2266	0.16 ng/uL#	77
95) Benzo(g,h,i)Perylene	25.205	276	5480	0.36 ng/uL#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 07:54:52 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration

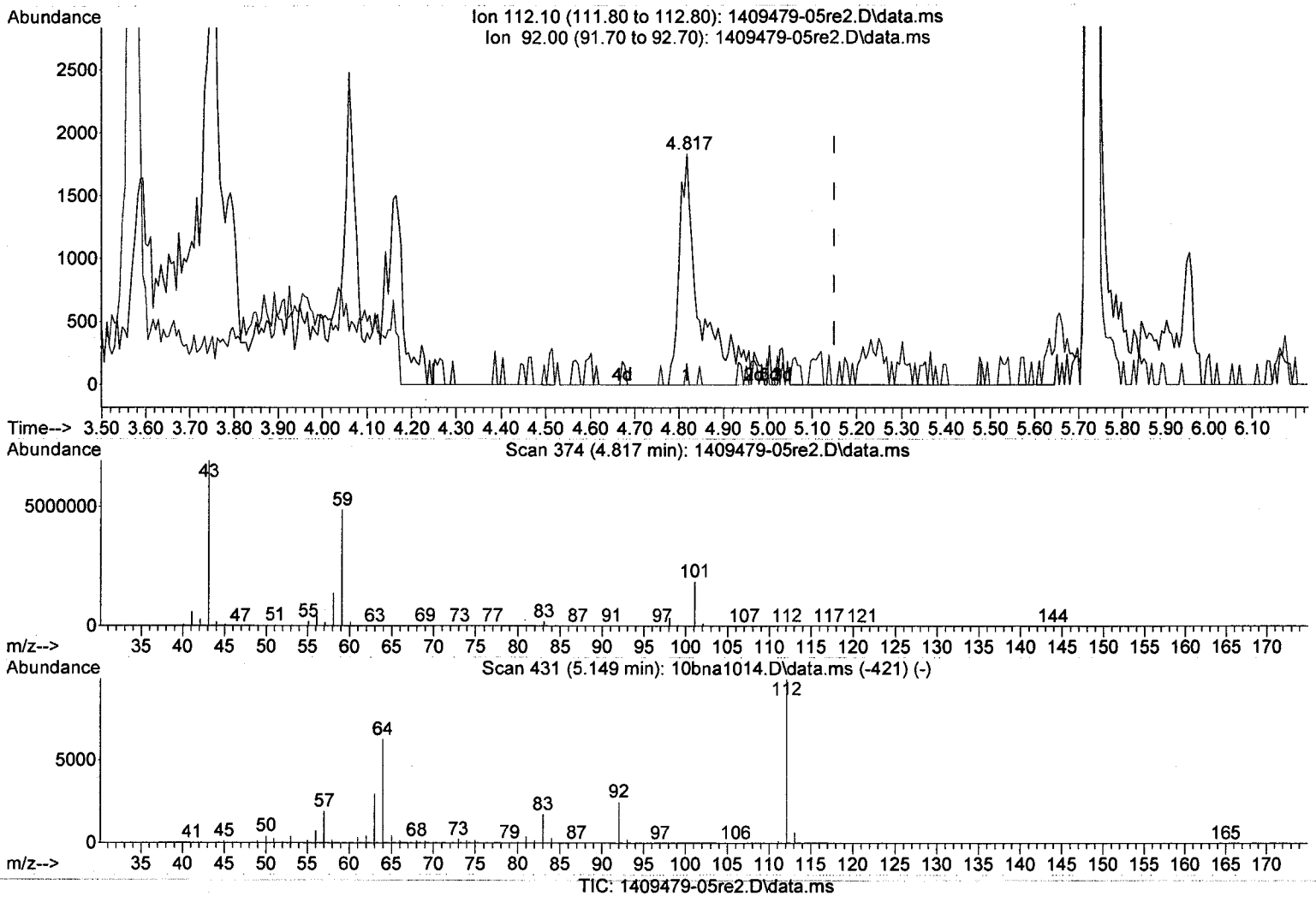
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.620	152	378195	5.00	ng/uL	# 0.05
8) Naphthalene-d8	10.307	136	1476339	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.411	164	837522	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.844	188	1229489	5.00	ng/uL	0.00
19) Chrysene-d12	21.469	240	490072	5.00	ng/uL	# 0.00
22) Perylene-d12	23.125	264	117968	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.109	74	110	0.00	ng/uL#	1
3) Pyridine	3.255	79	3647	0.03	ng/uL#	53
4) Aniline	6.851	93	2920	0.02	ng/uL	94
5) Benzaldehyde	6.740	105	564	0.01	ng/uL#	56
6) Acetophenone	8.431	105	10781	0.07	ng/uL#	64
7) N-Nitroso-di-n-propyla...	8.442	70	2567	0.04	ng/uL#	1
9) 4-Chloroaniline	10.348	127	1476	0.02	ng/uL	98
10) Caprolactam	11.339	55	1620	0.13	ng/uL#	30
12) 1,1'-Biphenyl	13.094	154	5657	0.02	ng/uL#	83
13) 2-Nitroaniline	13.379	138	197	0.01	ng/uL#	14
14) 3-Nitroaniline	14.358	138	218	Below Cal	#	1
15) 4-Nitroaniline	15.786	138	391	Below Cal	#	1
17) N-Nitroso-diphenylamine	16.072	169	3279	0.02	ng/uL#	53
18) Atrazine	17.226	200	604	Below Cal		87
20) Benzidine	19.954	184	55154	1.19	ng/uL#	71
21) 3,3'-Dichlorobenzidine	21.347	252	1662	0.06	ng/uL	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2.D\data.ms

(4) 2-Fluorophenol (S)

4.817min (-0.332) 0.07 ng/uL

response 6037

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

JWB 10/15/14

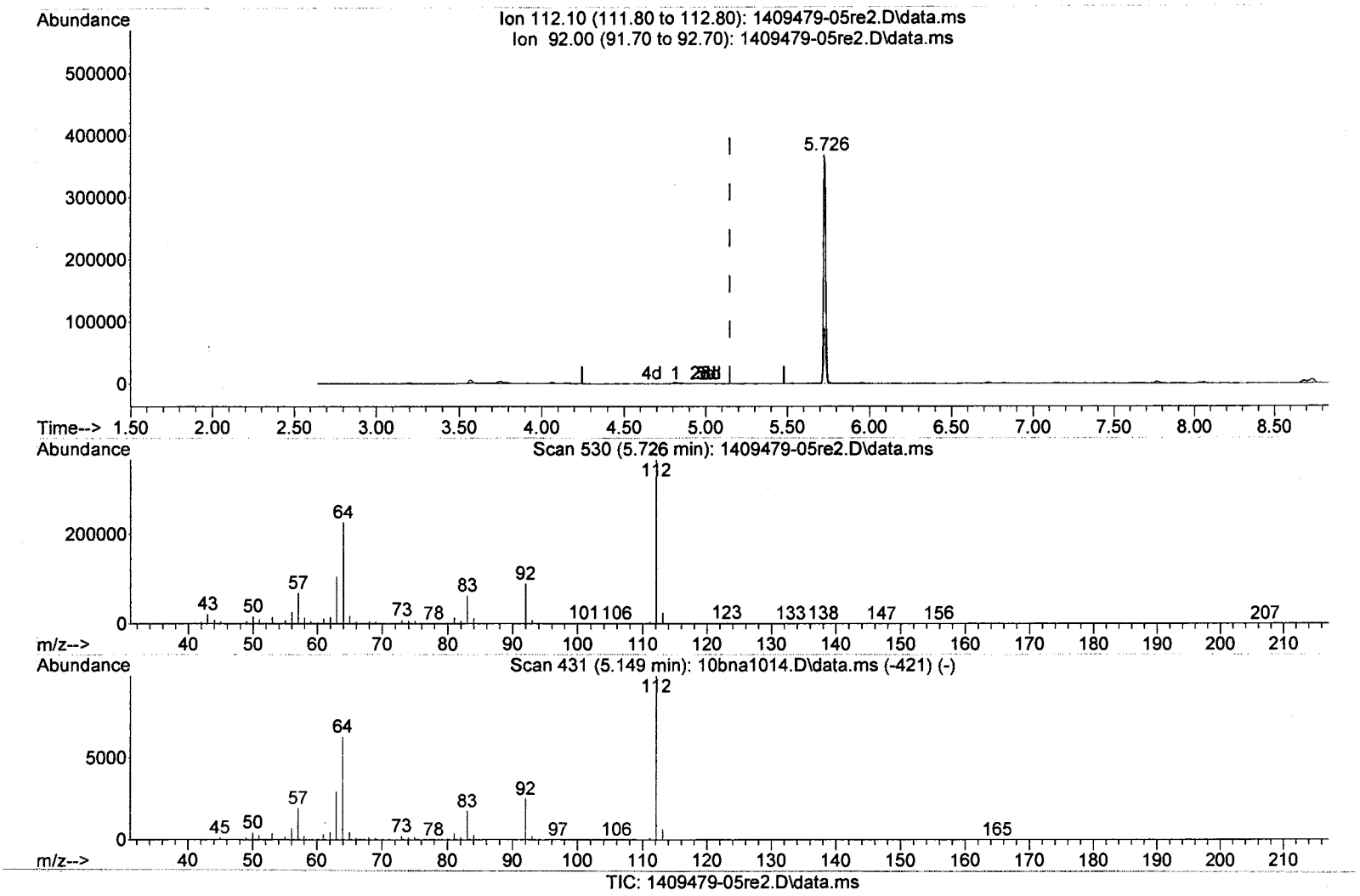
DWS 10-17-14

002683

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2.D\data.ms

(4) 2-Fluorophenol (S)

5.726min (+ 0.577) 4.09 ng/uL m

response 357325

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

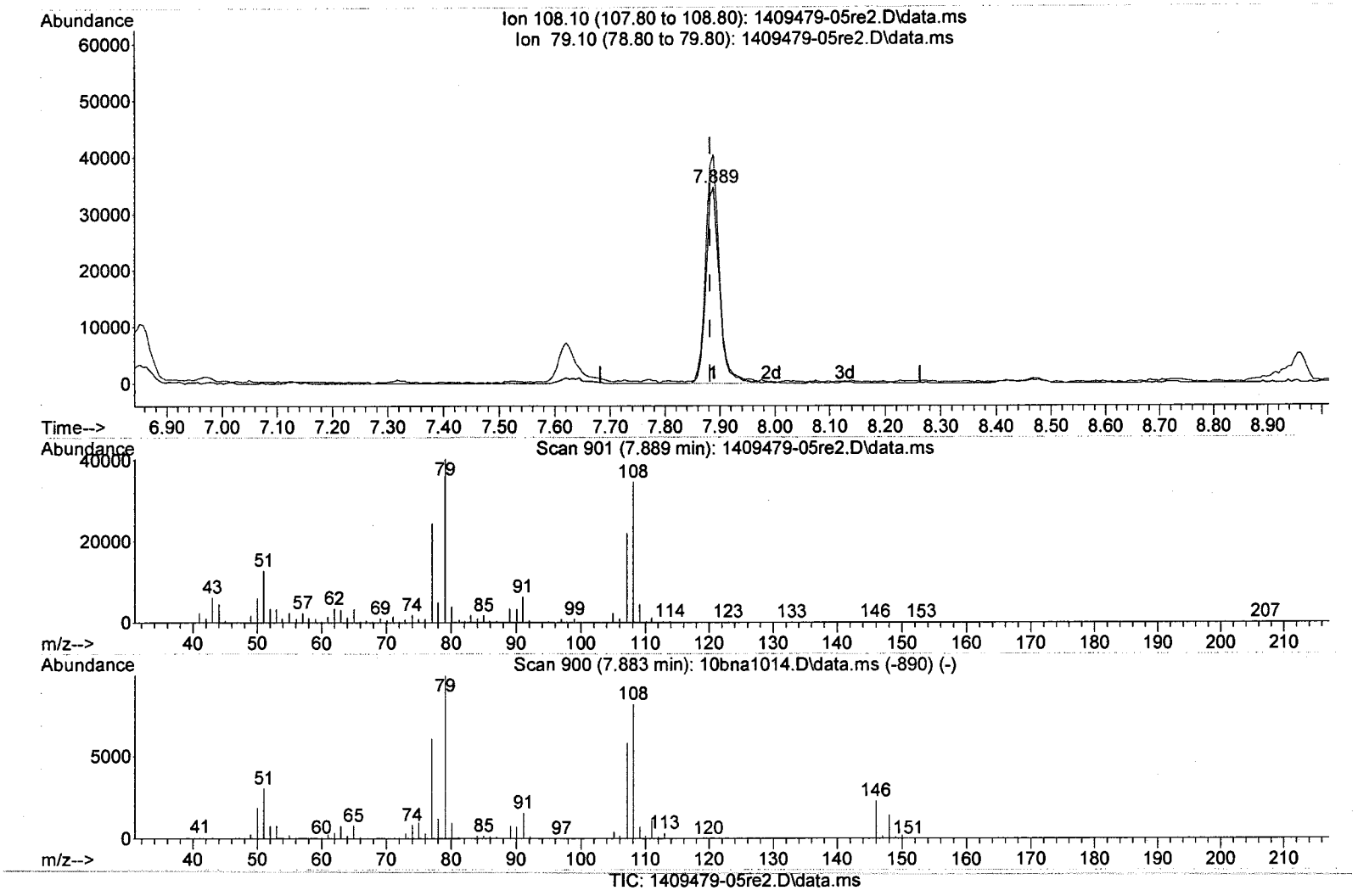
Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: DW Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2.D\data.ms

(14) Benzyl Alcohol

7.889min (+ 0.006) 0.88 ng/uL

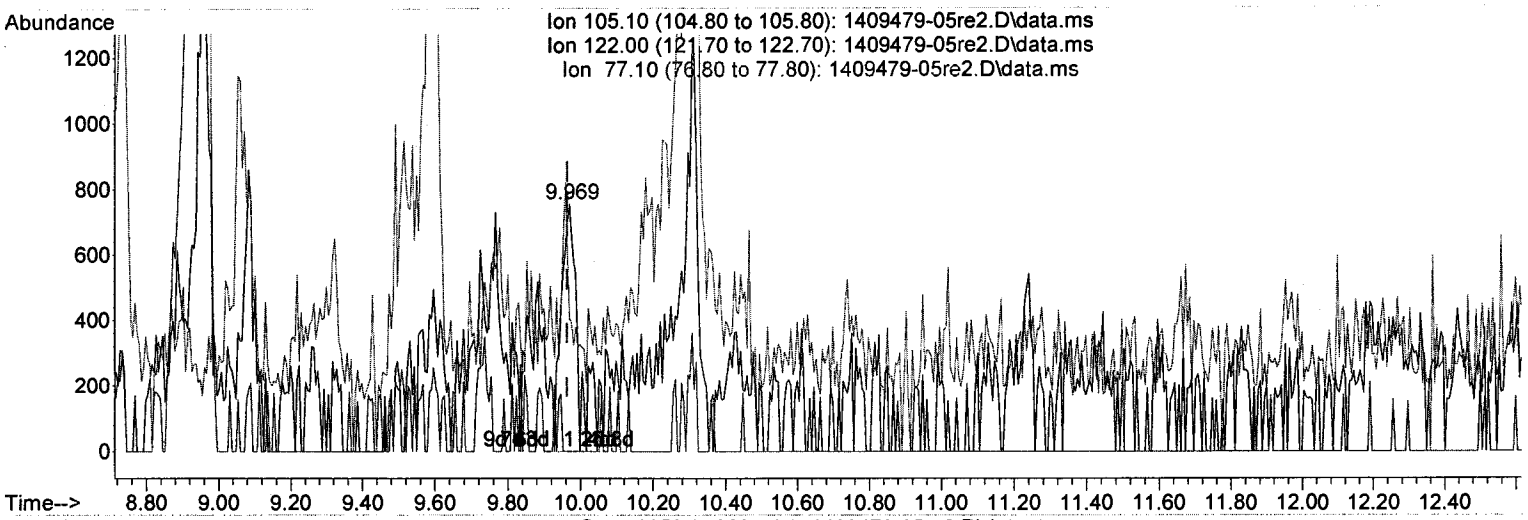
response 58024

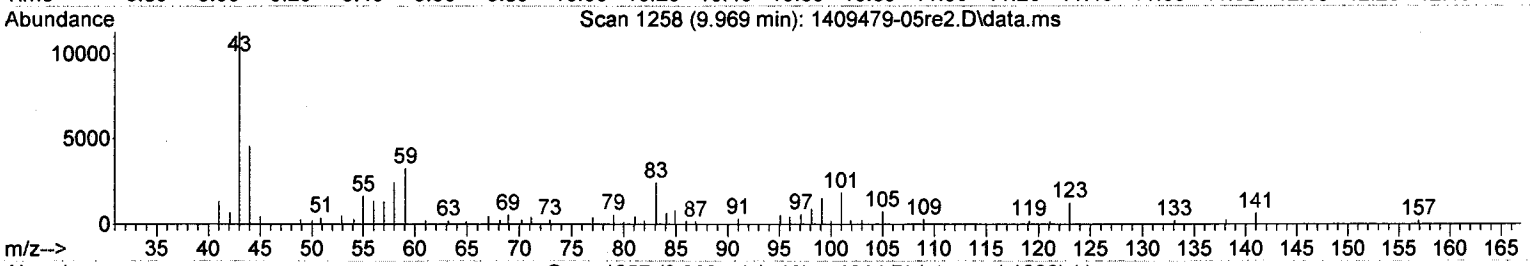
Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	119.60
0.00	0.00	0.00
0.00	0.00	0.00

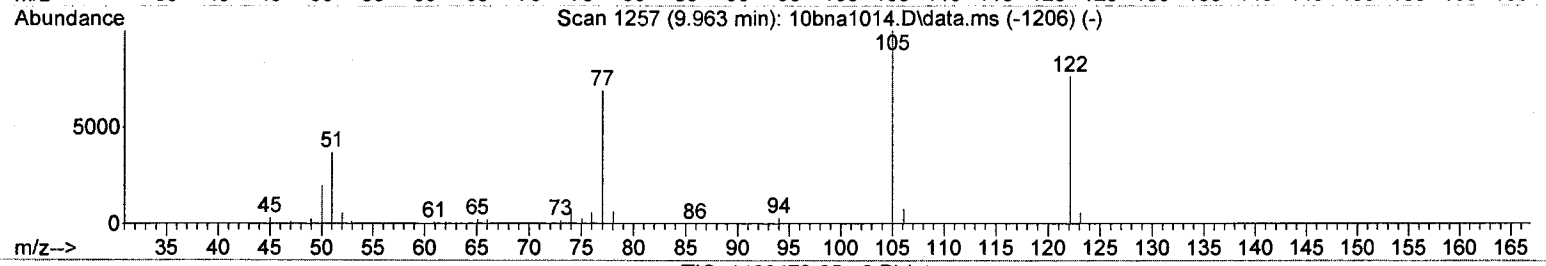
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1409479-05re2.D\data.ms

(30) Benzoic Acid

9.969min (+ 0.006) 2.48 ng/uL

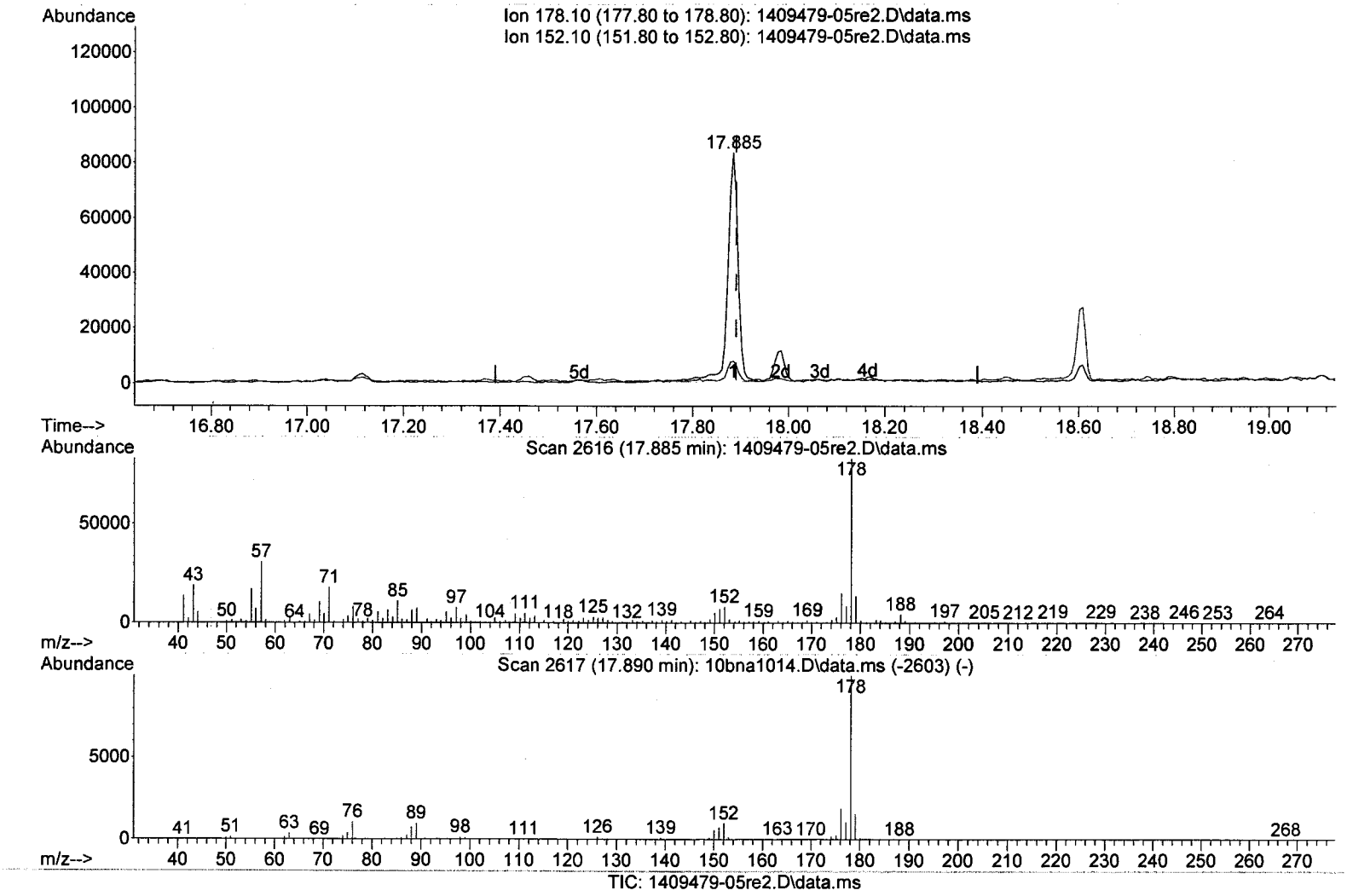
response 1997

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	5.76#
77.10	74.70	48.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2.D\data.ms

(75) Phenanthrene

17.885min (-0.006) 0.52 ng/uL

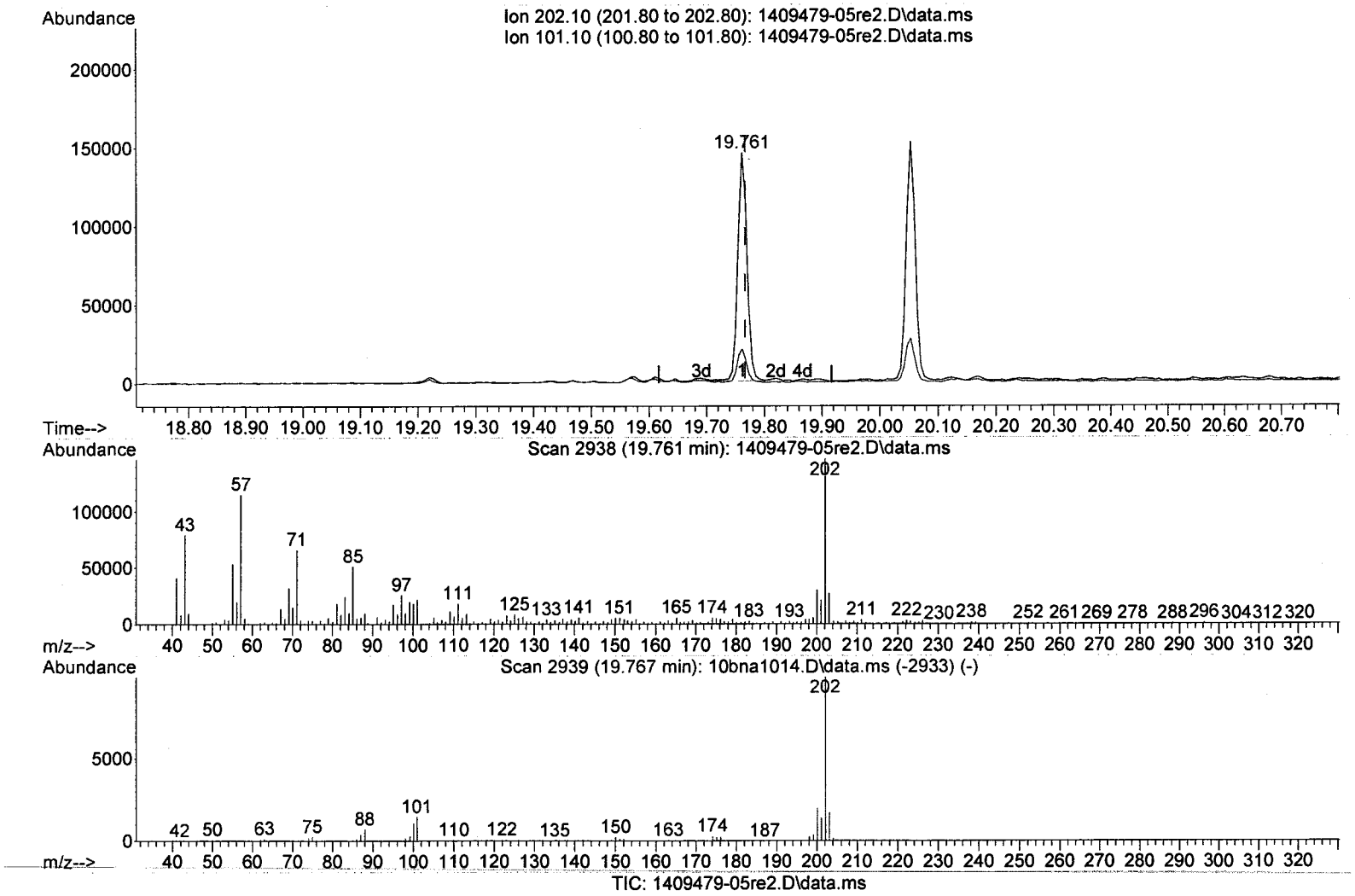
response 123697

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	8.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(80) Fluoroanthene (C)

19.761min (-0.006) 0.71 ng/uL

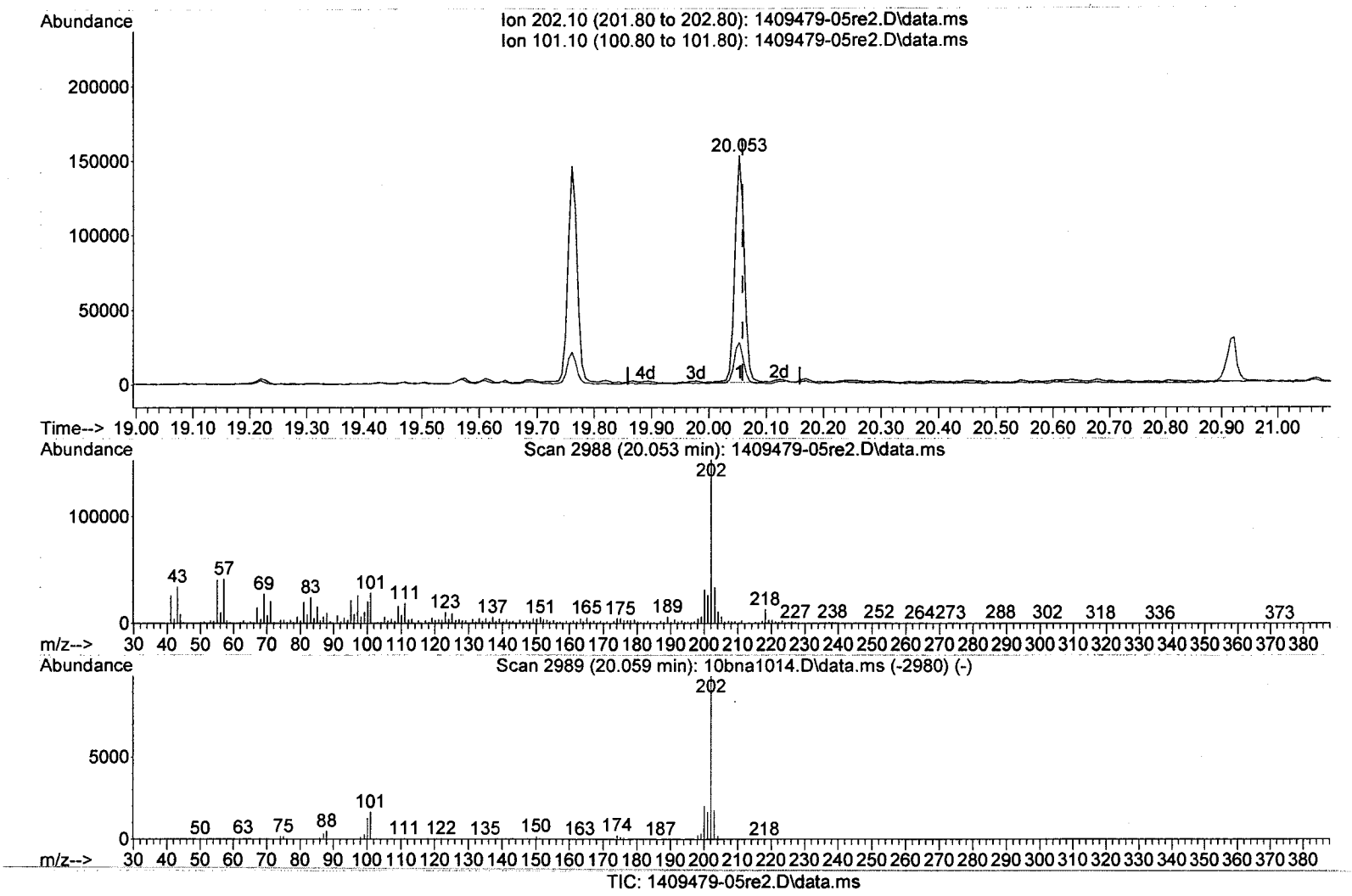
response 162069

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	15.53
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(82) Pyrene

20.053min (-0.006) 1.45 ng/uL

response 168263

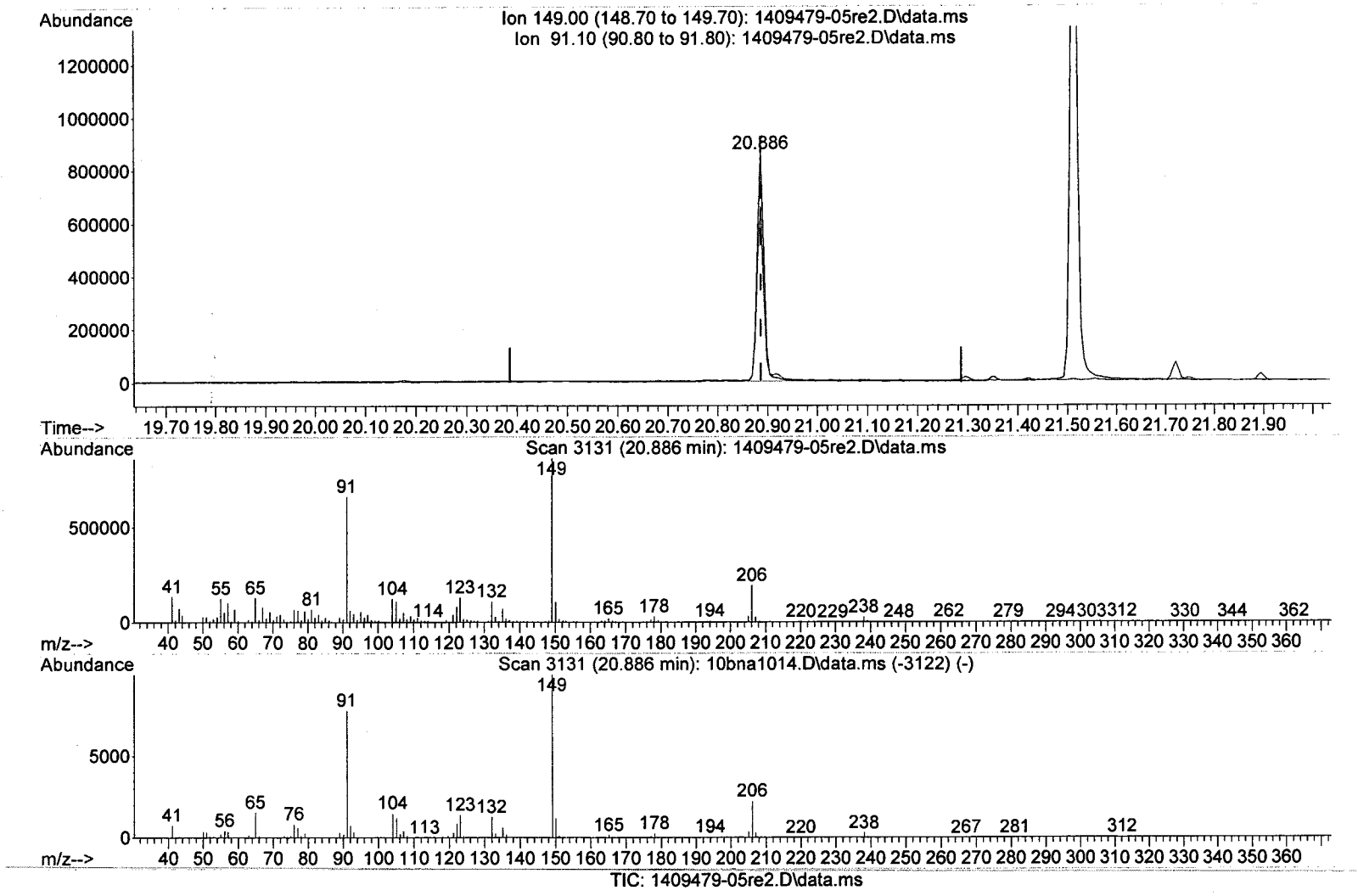
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	19.63#
0.00	0.00	0.00
0.00	0.00	0.00

002689

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2.D\data.ms

(83) Butyl Benzyl Phthalate

20.886min (+ 0.000) 17.64 ng/uL

response 809457

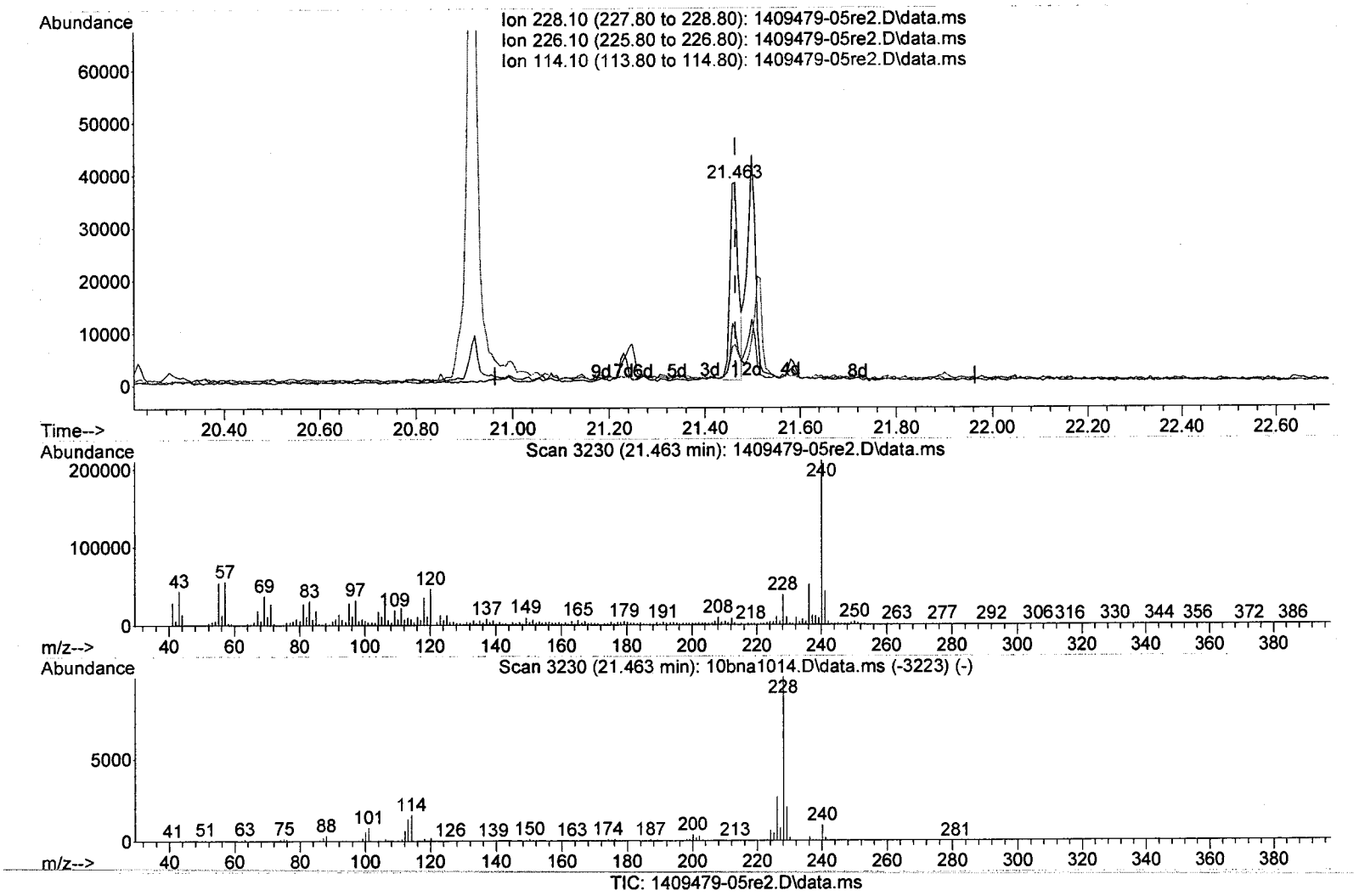
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	79.37
0.00	0.00	0.00
0.00	0.00	0.00

002600

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2.D\data.ms

(85) Benzo(a)anthracene

21.463min (+ 0.000) 0.51 ng/uL

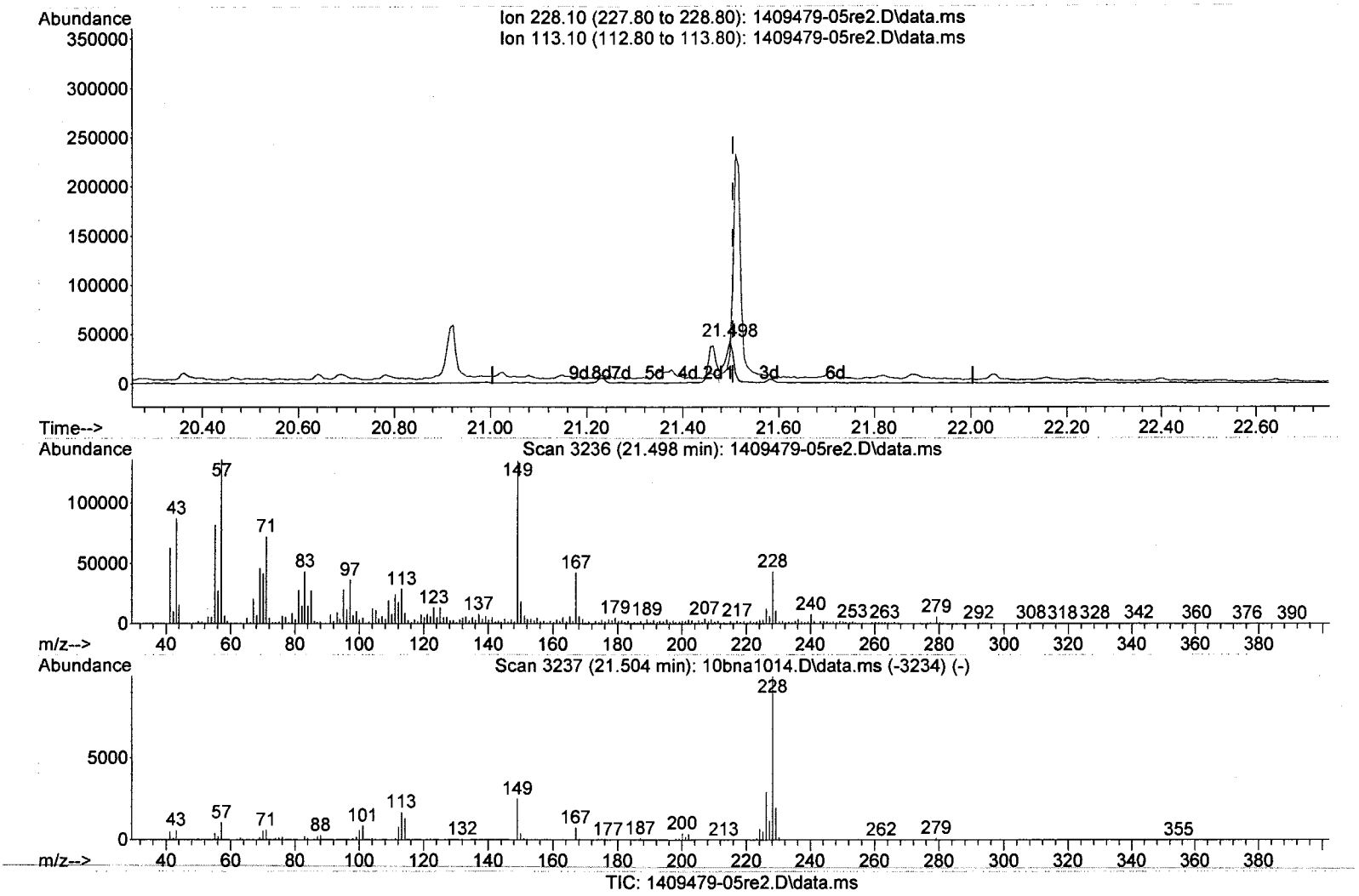
response 45938

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	25.90
114.10	13.30	22.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2.D\data.ms

(86) Chrysene

21.498min (-0.006) 0.63 ng/uL

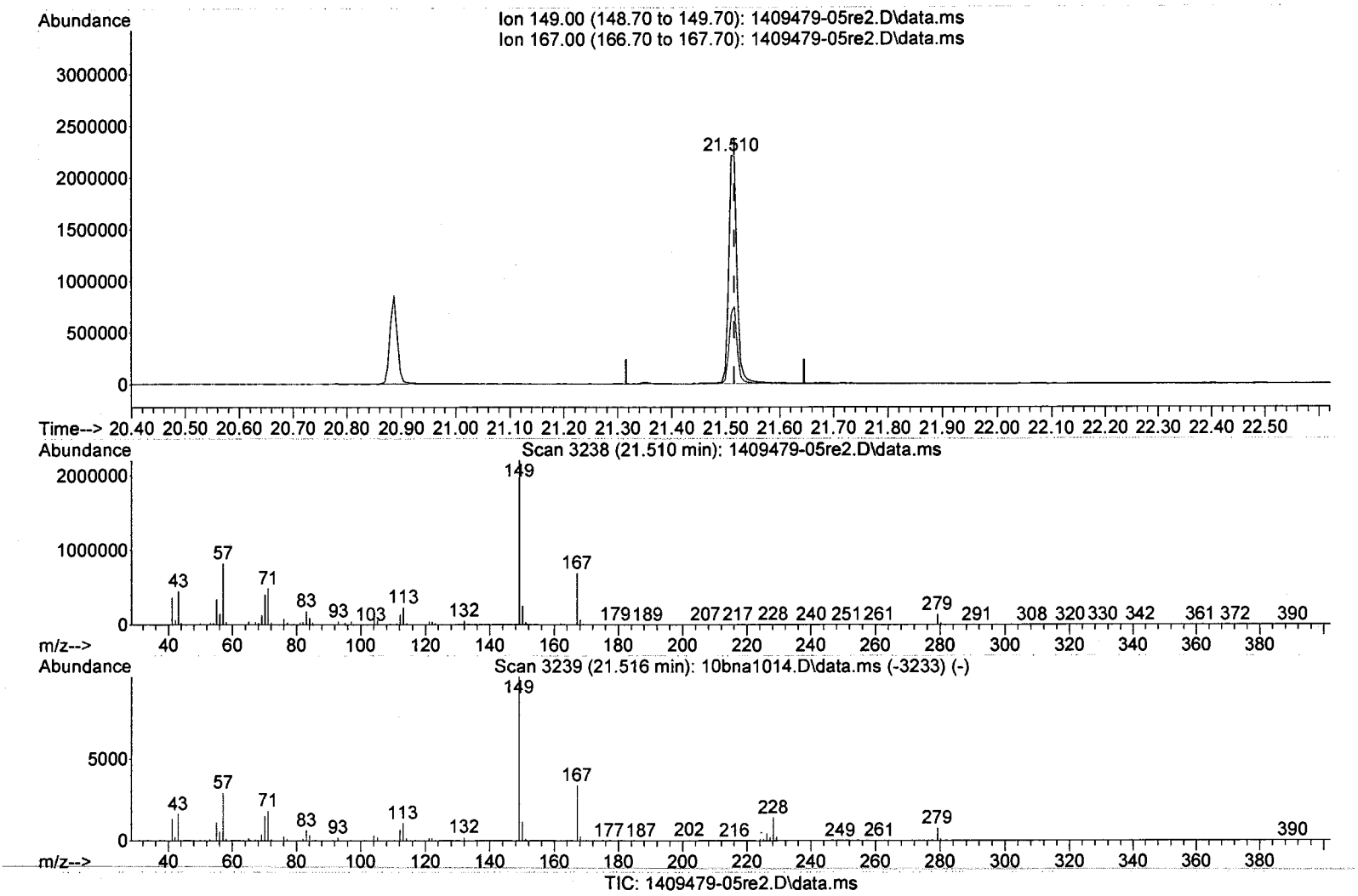
response 54744

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	468.38#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.510min (-0.006) 40.04 ng/uL

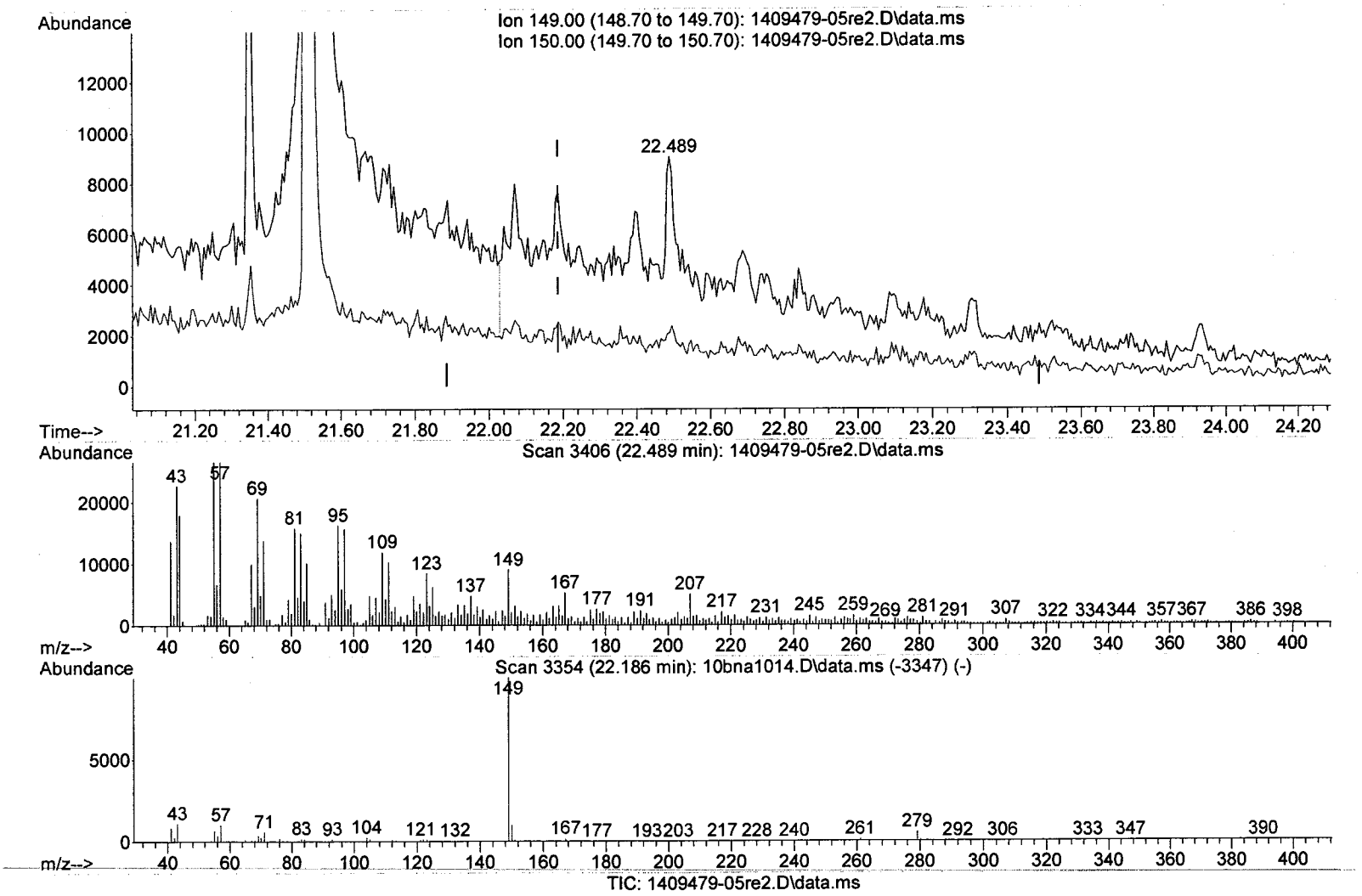
response 2353521

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	32.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.489min (+ 0.303) 1.80 ng/uL

response 157377

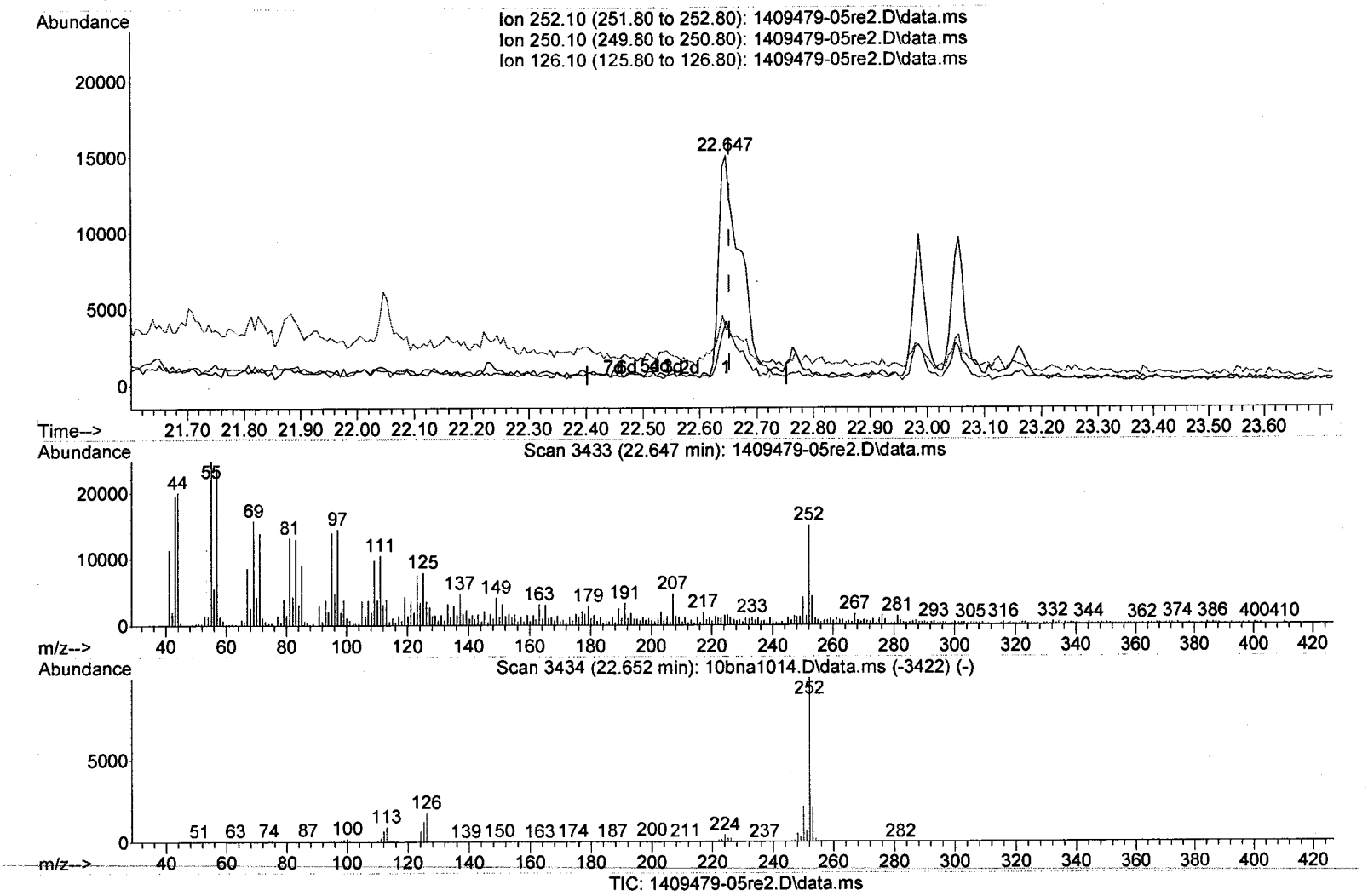
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.21#
0.00	0.00	0.00
0.00	0.00	0.00

RT

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.647min (-0.006) 1.75 ng/uL

response 37527

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	23.50
126.10	17.20	23.71#
0.00	0.00	0.00

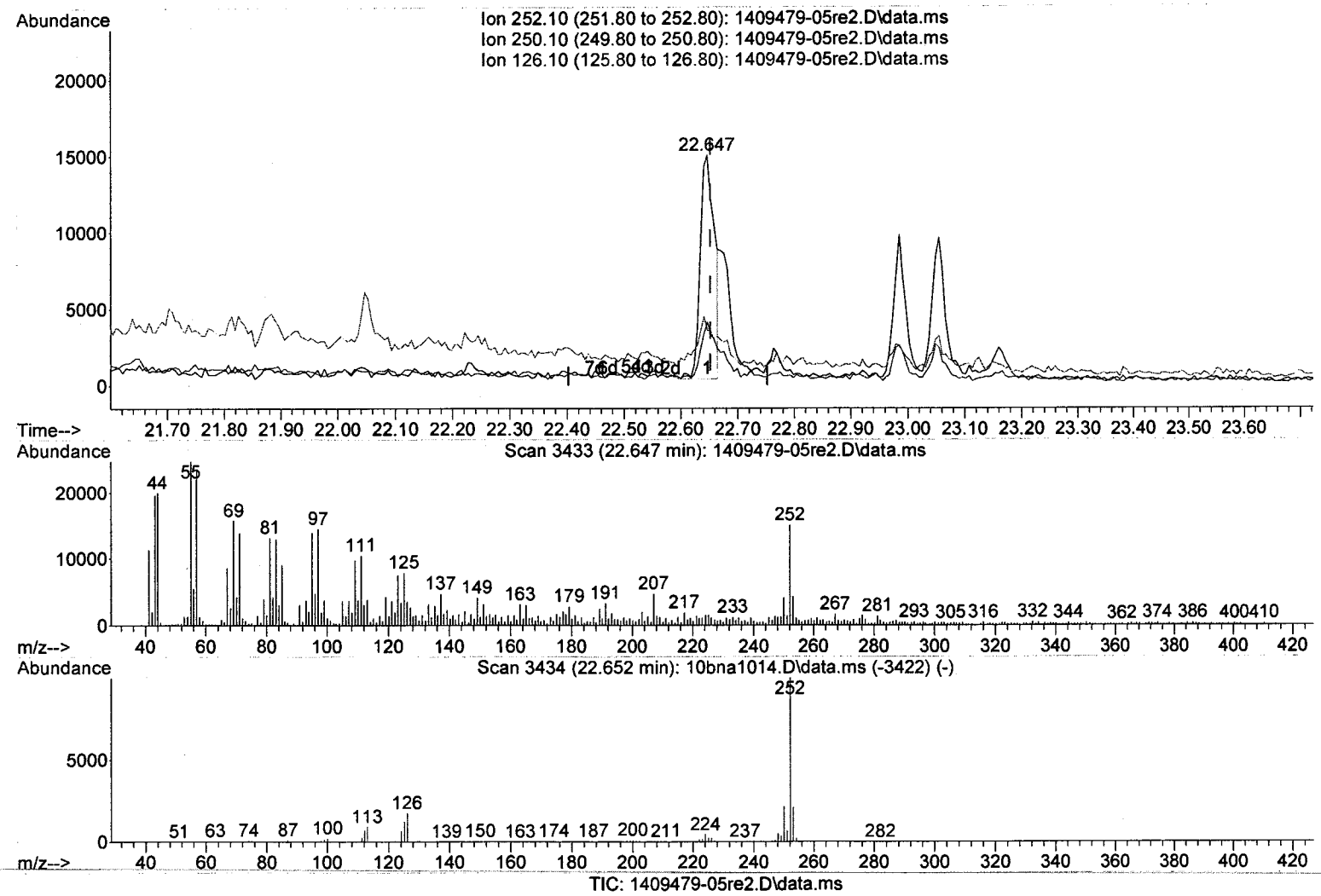
DWS 10-17-14

JLB 10/5/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2.D\data.ms

(90) Benzo(b)fluoroanthene

22.647min (-0.006) 1.19 ng/uL m

response 25444

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	34.66#
126.10	17.20	34.97#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

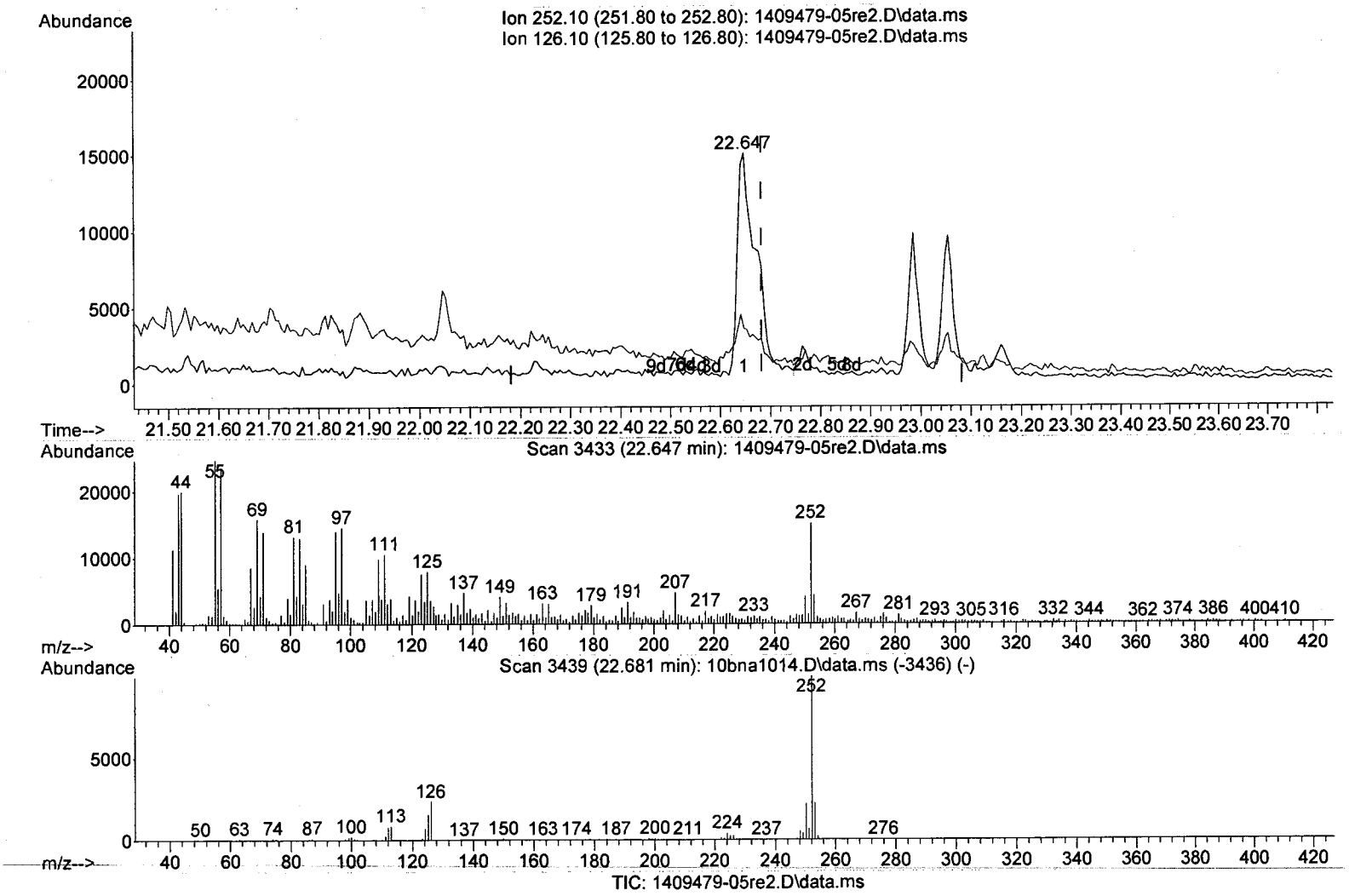
Reviewed By: DWS Date: 10-17-14

002696

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.647min (-0.035) 1.58 ng/uL

response 38263

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	23.25#
0.00	0.00	0.00
0.00	0.00	0.00

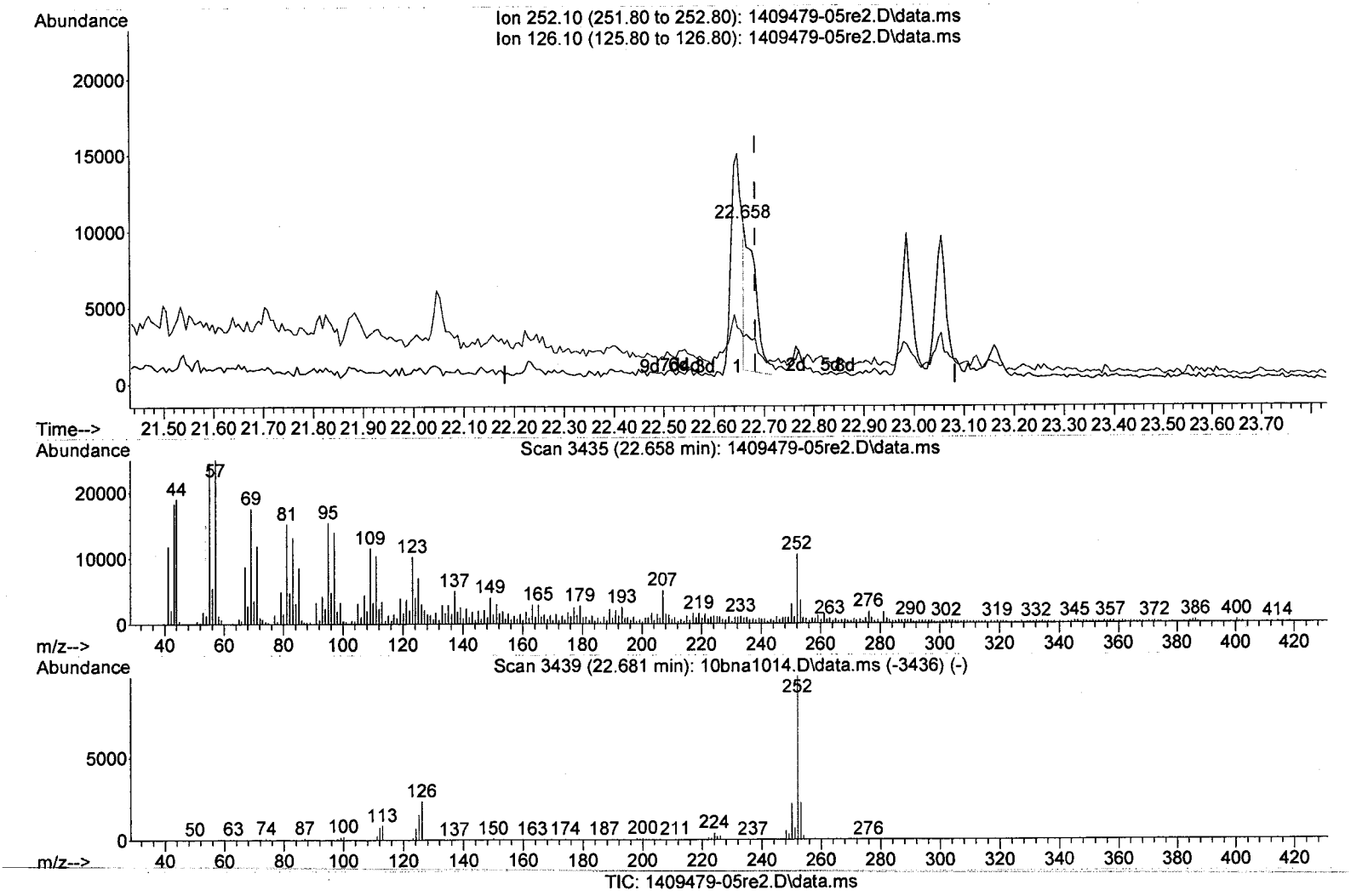
DWS 10-17-14

JLB 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2.D\data.ms

(91) Benzo(k)fluoranthene

22.658min (-0.023) 0.58 ng/uL m

response 14040

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	63.38#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

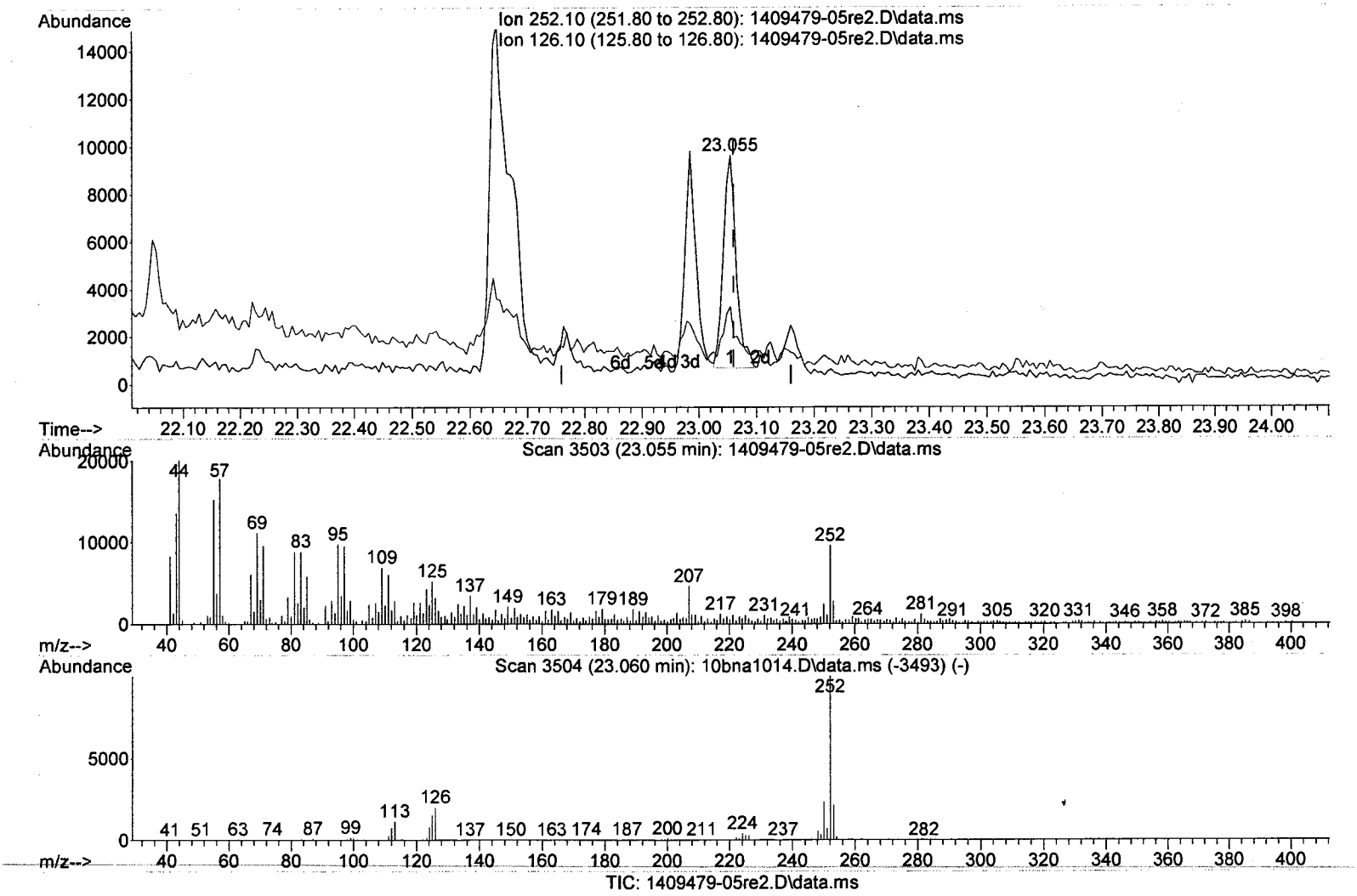
Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JWB Date: 10/15/14
Reviewed By: DWS Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

23.055min (-0.006) 0.68 ng/uL

response 13812

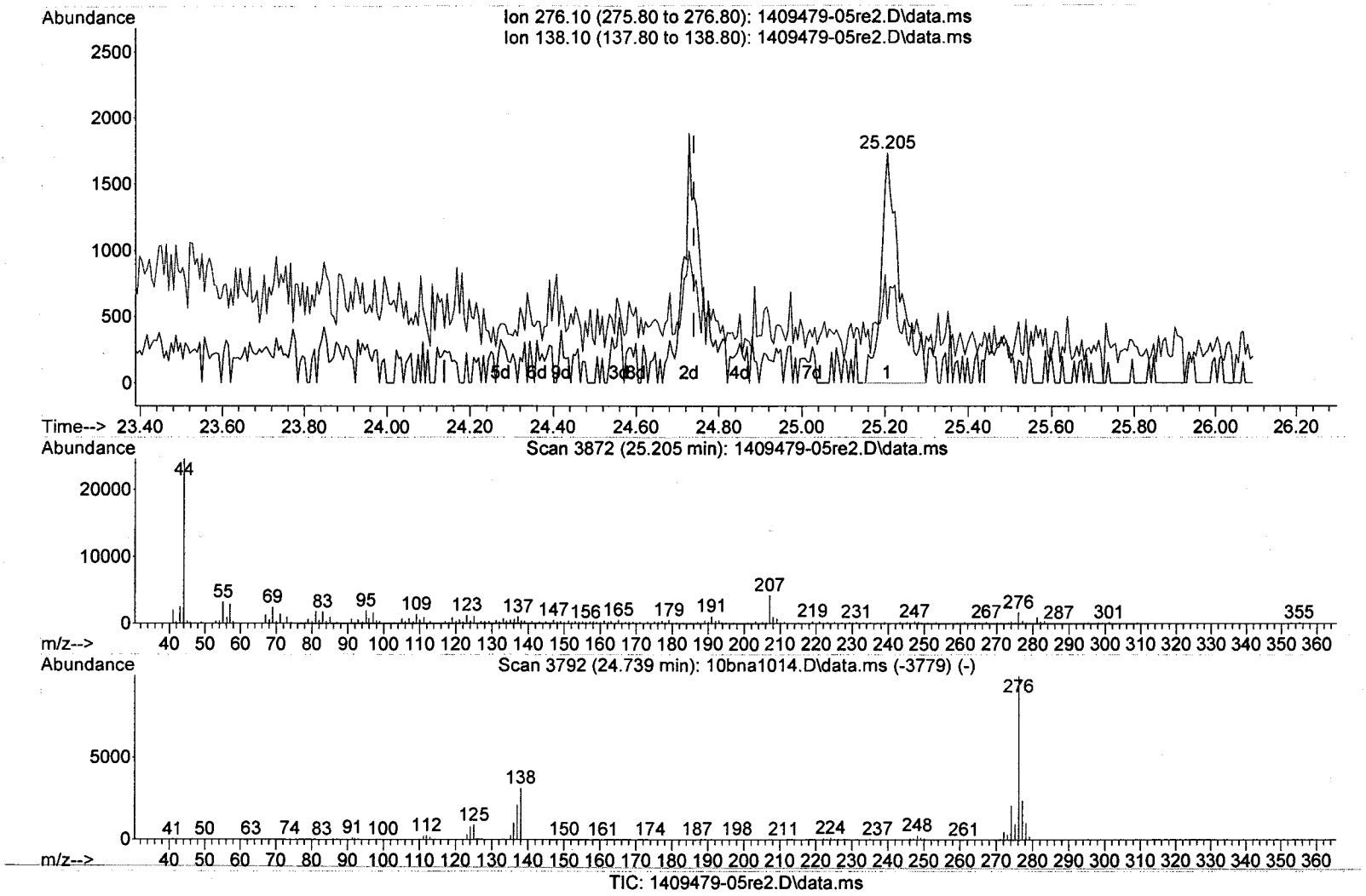
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	27.59#
0.00	0.00	0.00
0.00	0.00	0.00

JWS 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

25.205min (+ 0.467) 0.31 ng/uL

response 5480

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	13.54#
0.00	0.00	0.00
0.00	0.00	0.00

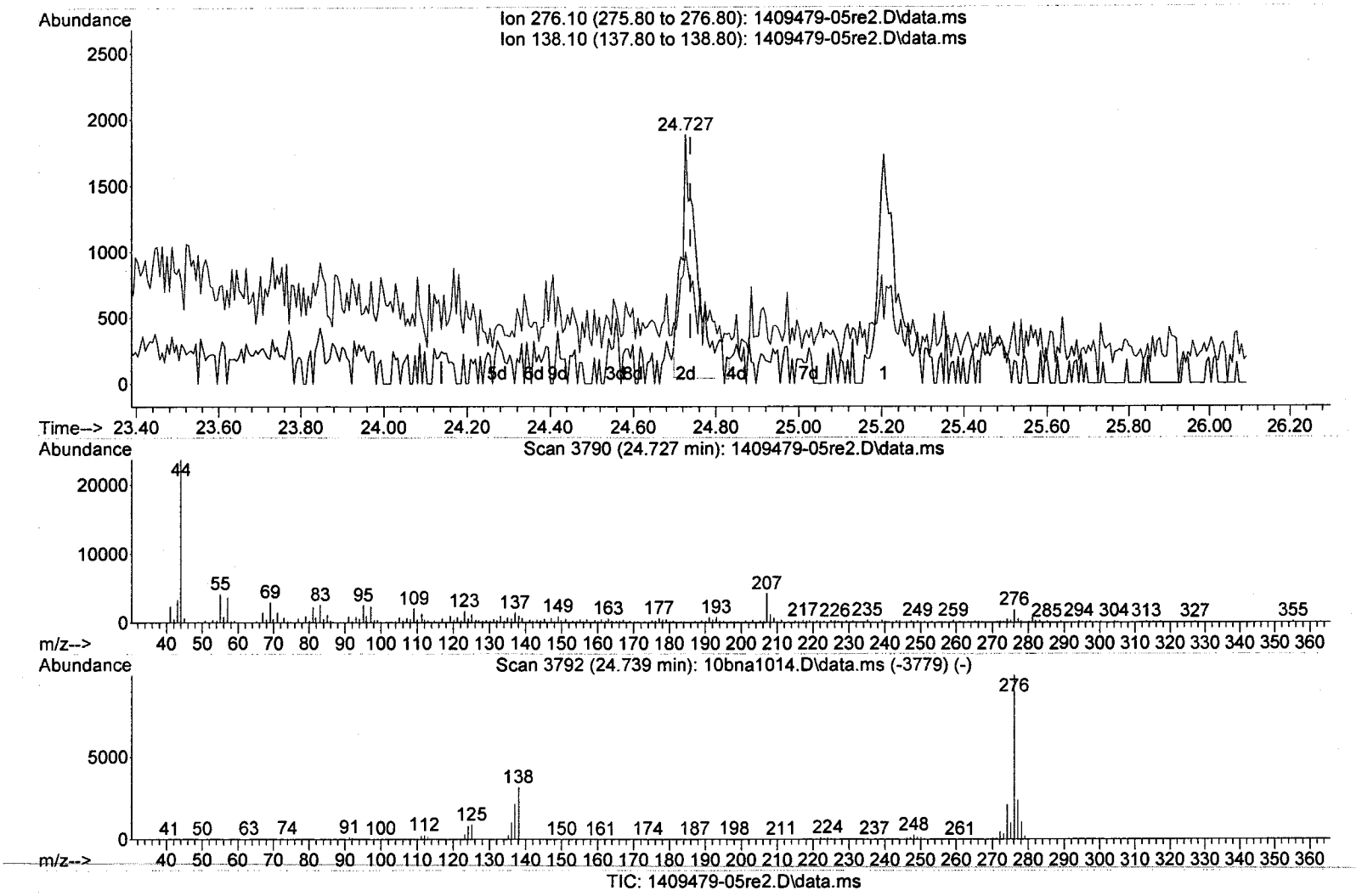
JWB 10/15/14

DWG 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(93) Indeno(1,2,3-cd)pyrene

24.727min (-0.011) 0.29 ng/uL m

response 5003

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	14.83#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect ~~baseline~~ peak drawn by the software. 10/15/14

Flagged on Quantitation Report: (Yes) / No

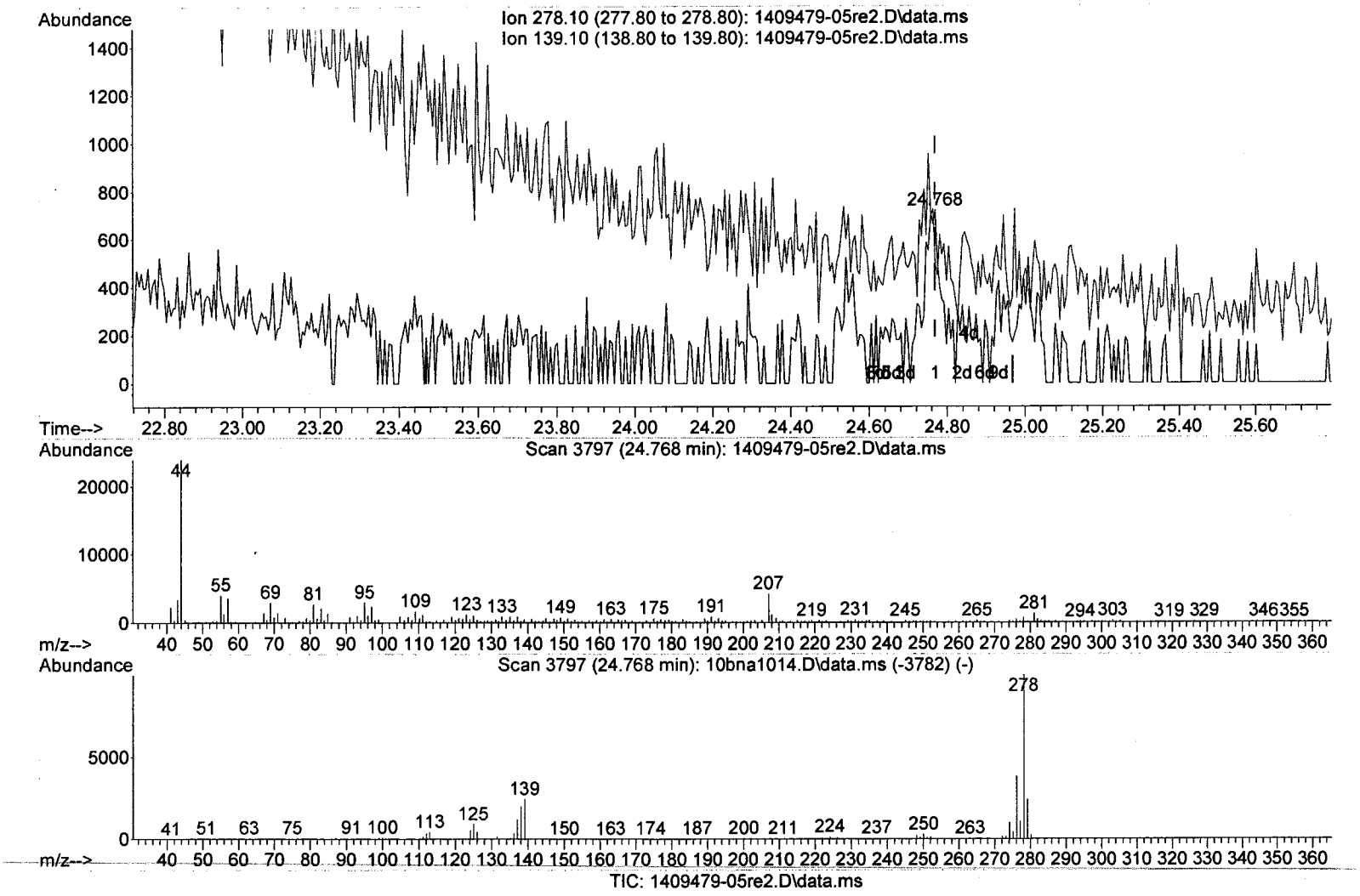
Analyst: JLB Date: 10/15/14

Reviewed By: Dwy Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2.D\data.ms

(94) Dibdenz(a,h)anthracene

24.768min (+ 0.000) 0.16 ng/uL

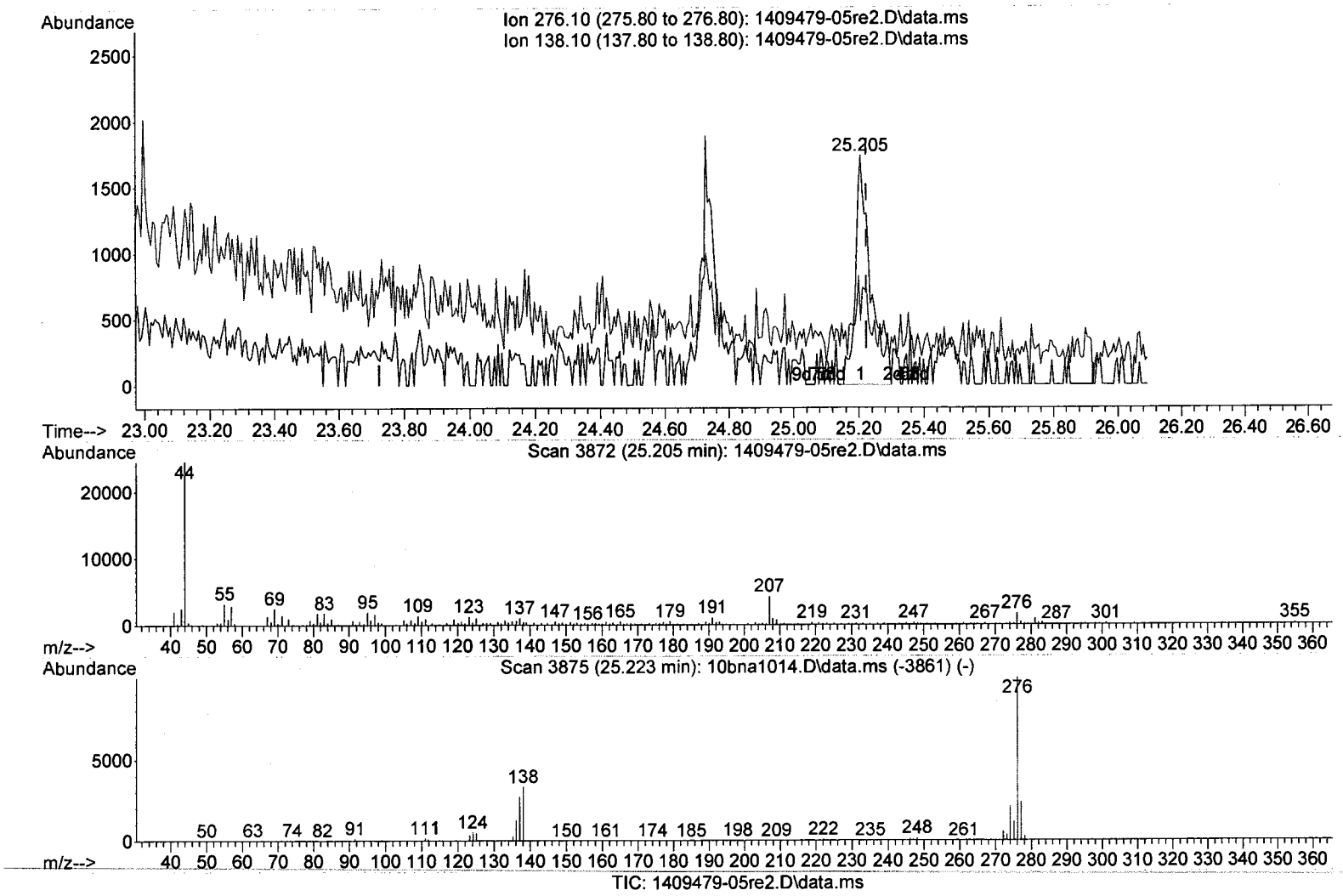
response 2266

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	27.41#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2.D
Acq On : 14 Oct 2014 23:13
Operator : JLB
Sample : 1409479-05re2 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:14:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.205min (-0.017) 0.36 ng/uL

response 5480

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	13.54#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-05RE3 File ID: 1409479-05re2 20x.D

Sampled: 09/25/14 10:50 Prepared: 10/08/14 07:29 Analyzed: 10/14/14 16:15

Solids: 96.85 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	20	340	96	340	340	U
208-96-8	Acenaphthylene	20	340	86	340	340	U
120-12-7	Anthracene	20	340	83	340	340	U
56-55-3	Benzo(a)anthracene	20	170	57	170	340	U
50-32-8	Benzo(a)pyrene	20	170	47	170	340	U
205-99-2	Benzo(b)fluoranthene	20	43	39	170	340	J
207-08-9	Benzo(k)fluoranthene	20	170	40	170	340	U
191-24-2	Benzo(g,h,i)perylene	20	170	39	170	690	U
65-85-0	Benzoic Acid	20	3400	1400	3400	6900	U
100-51-6	Benzyl Alcohol	20	340	95	340	340	U
101-55-3	4-Bromophenyl Phenyl Ether	20	340	83	340	340	U
85-68-7	Butyl Benzyl Phthalate	20	430	83	340	690	J
86-74-8	Carbazole	20	340	83	340	3400	U
59-50-7	4-Chloro-3-methylphenol	20	340	100	340	340	U
106-47-8	4-Chloroaniline	20	340	180	340	1400	U
111-91-1	Bis(2-chloroethoxy)methane	20	340	84	340	340	U
111-44-4	Bis(2-chloroethyl) Ether	20	340	82	340	340	U
108-60-1	Bis(2-chloroisopropyl) Ether	20	170	76	170	340	U
91-58-7	2-Chloronaphthalene	20	340	100	340	340	U
95-57-8	2-Chlorophenol	20	340	81	340	340	U
7005-72-3	4-Chlorophenyl Phenyl Ether	20	340	78	340	340	U
218-01-9	Chrysene	20	340	80	340	340	U
53-70-3	Dibenz(a,h)anthracene	20	170	39	170	690	U
132-64-9	Dibenzofuran	20	340	100	340	340	U
84-74-2	Di-n-butyl Phthalate	20	690	280	690	1400	U
106-46-7	1,4-Dichlorobenzene	20	340	100	340	340	U
95-50-1	1,2-Dichlorobenzene	20	340	110	340	340	U
541-73-1	1,3-Dichlorobenzene	20	340	120	340	340	U
91-94-1	3,3´-Dichlorobenzidine	20	14000	5700	14000	17000	U
120-83-2	2,4-Dichlorophenol	20	340	84	340	690	U
84-66-2	Diethyl Phthalate	20	340	100	340	340	U
105-67-9	2,4-Dimethylphenol	20	2800	750	2800	3400	U
131-11-3	Dimethyl Phthalate	20	340	97	340	340	U
534-52-1	4,6-Dinitro-2-methylphenol	20	1400	440	1400	3400	U
51-28-5	2,4-Dinitrophenol	20	3400	1200	3400	3400	U
606-20-2	2,6-Dinitrotoluene	20	170	83	170	340	U
121-14-2	2,4-Dinitrotoluene	20	170	68	170	690	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-05RE3 File ID: 1409479-05re2 20x.D

Sampled: 09/25/14 10:50 Prepared: 10/08/14 07:29 Analyzed: 10/14/14 16:15

Solids: 96.85 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	20	340	80	340	340	U
122-66-7	1,2-Diphenylhydrazine	20	170	69	170	340	U
117-81-7	Bis(2-ethylhexyl) Phthalate	20	1300	240	340	690	B
206-44-0	Fluoranthene	20	340	92	340	340	U
86-73-7	Fluorene	20	340	83	340	690	U
118-74-1	Hexachlorobenzene	20	340	98	340	340	U
87-68-3	Hexachlorobutadiene	20	340	95	340	340	U
67-72-1	Hexachloroethane	20	340	100	340	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	20	170	55	170	690	U
78-59-1	Isophorone	20	340	80	340	340	U
91-57-6	2-Methylnaphthalene	20	340	94	340	340	U
108-39-4	3+4-Methylphenol	20	170	76	170	340	U
95-48-7	2-Methylphenol	20	170	73	170	340	U
91-20-3	Naphthalene	20	340	120	340	340	U
100-01-6	4-Nitroaniline	20	1400	510	1400	6800	U
88-74-4	2-Nitroaniline	20	170	74	170	340	U
99-09-2	3-Nitroaniline	20	690	340	690	6800	U
98-95-3	Nitrobenzene	20	340	95	340	340	U
88-75-5	2-Nitrophenol	20	340	92	340	340	U
100-02-7	4-Nitrophenol	20	6900	2100	6900	14000	U
62-75-9	N-Nitroso-dimethylamine	20	140	68	140	690	U
86-30-6	N-Nitroso-diphenylamine	20	170	71	170	340	U
621-64-7	N-Nitroso-di-n-propylamine	20	340	83	340	340	U
87-86-5	Pentachlorophenol	20	340	270	340	3400	U
85-01-8	Phenanthrene	20	340	84	340	340	U
108-95-2	Phenol	20	340	80	340	3400	U
129-00-0	Pyrene	20	340	89	340	340	U
120-82-1	1,2,4-Trichlorobenzene	20	340	91	340	340	U
95-95-4	2,4,5-Trichlorophenol	20	340	93	340	340	U
88-06-2	2,4,6-Trichlorophenol	20	170	52	170	340	U

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	389191	7.574	403279	7.614	
Naphthalene-d8	1534026	10.307	1529030	10.359	
Acenaphthene-d10	842753	14.411	866604	14.474	
Phenanthrene-d10	1282794	17.838	1400442	17.901	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-05RE3
File ID: 1409479-05re2 20x.D
Sampled: 09/25/14 10:50
Prepared: 10/08/14 07:29
Analyzed: 10/14/14 16:15
Solids: 96.85
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410496
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

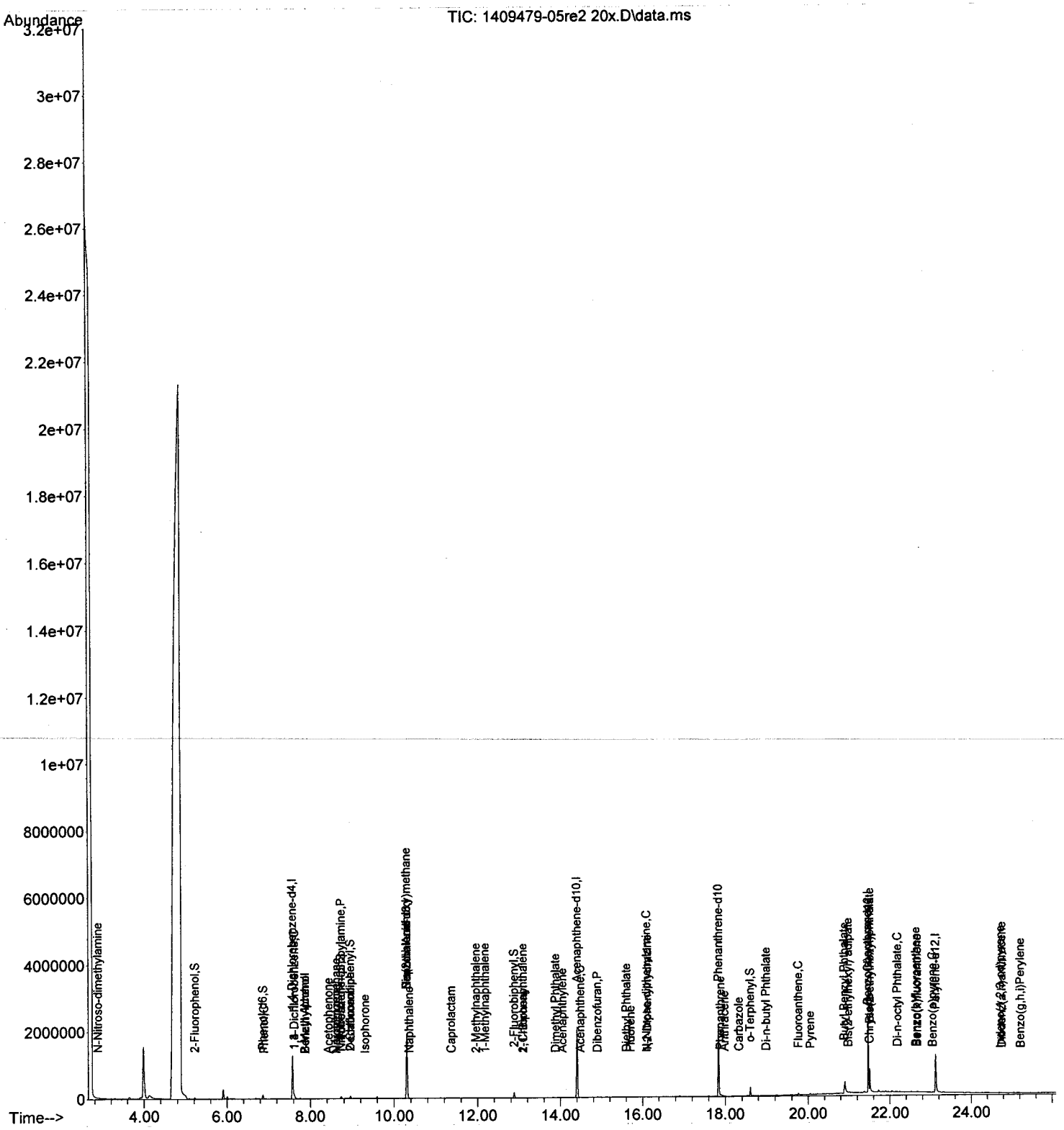
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chrysene-d12	920805	21.469	1153654	21.538	
Perylene-d12	642725	23.124	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2 20x.D
Acq On : 14 Oct 2014 16:15
Operator : JLB
Sample : 1409479-05re2 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 07:59:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2 20x.D
Acq On : 14 Oct 2014 16:15 =RE3
Operator : JLB
Sample : 1409479-05re2 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 07:59:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.574	152	389191	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.307	136	1534026	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.411	164	842753	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.838	188	1282794	5.00	ng/uL		0.00
81) Chrysene-d12	21.469	240	920805	5.00	ng/uL	#	0.00
89) Perylene-d12	23.124	264	642725	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.219	112	16661	0.19	ng/uL		0.07
6) Phenol-d6	6.863	99	83967	0.73	ng/uL		-0.01
21) Nitrobenzene-d5	8.728	82	40476	0.41	ng/uL		-0.02
23) Decafluorobiphenyl	8.955	334	31279	0.45	ng/uL		-0.01
47) 2-Fluorobiphenyl	12.878	172	90543	0.52	ng/uL		-0.01
70) 2,4,6-Tribromophenol	0.000	330	0	0.00	ng/uL		
78) o-Terphenyl	18.601	230	65287	0.59	ng/uL		-0.01
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.876	74	137	0.00	ng/uL	#	1
3) Pyridine	0.000		0	N.D.			
5) Aniline	0.000		0	N.D.			
7) Phenol	6.892	94	559	0.00	ng/uL	#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.			
9) 2-Chlorophenol	0.000		0	N.D.			
10) 1,3-Dichlorobenzene	7.614	146	107	0.00	ng/uL	#	1
11) 1,4-Dichlorobenzene	7.614	146	107	0.00	ng/uL	#	1
12) 1,2-Dichlorobenzene	0.000		0	N.D.			
13) Bis(2-chloroisipropyl)...	0.000		0	N.D.			
14) Benzyl Alcohol	7.877	108	2369	0.04	ng/uL		99
15) 2-Methylphenol	7.877	108	2369	0.03	ng/uL	#	76
16) Acetophenone	8.436	105	608	0.00	ng/uL	#	80
17) Hexachloroethane	8.617	119	196	0.00	ng/uL	#	3
18) 4-Methylphenol	0.000		0	N.D.			
19) N-Nitroso-di-n-propyla...	8.728	70	5348	0.08	ng/uL	#	21
22) Nitrobenzene	8.611	77	56	0.00	ng/uL	#	30
24) Isophorone	9.311	82	913	0.00	ng/uL	#	58
25) 2-Chloroaniline	8.955	127	174	0.00	ng/uL	#	53
26) 2-Nitrophenol	0.000		0	N.D.			
27) 2,4-Dimethylphenol	0.000		0	N.D.			
28) Bis(2-chlorethoxy)methane	10.301	93	587	0.00	ng/uL	#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.			
30) Benzoic Acid	10.307	105	2665	RT ~~2.49~~	ng/uL	#	1
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
32) Naphthalene	10.360	128	1965	0.01	ng/uL	#	1
33) 4-Chloroaniline	0.000		0	N.D.			
34) 2,6-Dichlorophenol	0.000		0	N.D.			
35) Hexachlorobutadiene	0.000		0	N.D.			
36) Caprolactam	11.368	55	369	0.01	ng/uL	#	21
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.			
38) 4-Chloro-3-methylphenol	0.000		0	N.D.			
39) 2-Methylnaphthalene	11.963	142	2218	0.01	ng/uL		98
40) 1-Methylnaphthalene	12.184	142	2240	0.01	ng/uL		90
41) 1,3 Dinitrobenzene	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2 20x.D
Acq On : 14 Oct 2014 16:15
Operator : JLB
Sample : 1409479-05re2 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 07:59:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.093	162	58	0.00 ng/uL#	35
49) 1,1'-Biphenyl	13.099	154	750	0.00 ng/uL#	72
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.055	152	99	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.886	163	342	0.00 ng/uL#	50
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.486	153	1727	0.01 ng/uL#	93
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.900	168	682	0.00 ng/uL#	66
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.710	166	1177	0.01 ng/uL#	62
63) Diethyl Phthalate	15.606	149	1266	0.01 ng/uL#	87
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.	
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.101	169	127	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	16.124	182	306	0.01 ng/uL#	27
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	0.000		0	N.D.	
75) Phenanthrene	17.885	178	13086	0.05 ng/uL	99
76) Anthracene	17.978	178	2695	0.01 ng/uL#	93
77) Carbazole	18.322	167	1382	0.01 ng/uL#	67
79) Di-n-butyl Phthalate	18.986	149	2174	0.01 ng/uL#	90
80) Fluoroanthene	19.761	202	11507	0.05 ng/uL#	77
82) Pyrene	20.053	202	13714	0.06 ng/uL#	85
83) Butyl Benzyl Phthalate	20.886	149	51659	0.60 ng/uL	99
84) Bis(2-ethylhexyl) adipate	20.985	129	1570	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.463	228	11099	0.07 ng/uL#	47
86) Chrysene	21.498	228	7492	0.05 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.510	149	196012	1.77 ng/uL	90
88) Di-n-octyl Phthalate	22.186	149	2453m	pp 0.35 ng/uL	
90) Benzo(b)fluoroanthene	22.641	252	7544	0.06 ng/uL#	57
91) Benzo(k)fluoranthene	22.676	252	4825	0.04 ng/uL#	73
92) Benzo(a)pyrene	23.055	252	5621	0.05 ng/uL#	73
93) Indeno(1,2,3-cd)pyrene	24.727	276	2300	0.02 ng/uL	97
94) Dibdenz(a,h)anthracene	24.762	278	719	0.01 ng/uL#	69
95) Benzo(g,h,i)Perylene	25.217	276	1376	0.02 ng/uL#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2 20x.D
Acq On : 14 Oct 2014 16:15
Operator : JLB
Sample : 1409479-05re2 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 07:49:52 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.574	152	383789	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.307	136	1534026	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.411	164	841343	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.838	188	1283983	5.00	ng/uL		0.00
19) Chrysene-d12	21.469	240	920805	5.00	ng/uL	#	0.00
22) Perylene-d12	23.124	264	645694	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.876	74	137	0.00	ng/uL	#	1
3) Pyridine	2.829	79	136	0.00	ng/uL	#	1
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.734	105	3349	0.04	ng/uL	#	1
6) Acetophenone	8.436	105	608	0.00	ng/uL	#	80
7) N-Nitroso-di-n-propyla...	8.728	70	5348	0.07	ng/uL	#	21
9) 4-Chloroaniline	0.000		0	N.D.			
10) Caprolactam	11.298	55	311	0.10	ng/uL	#	21
12) 1,1'-Biphenyl	13.099	154	750	0.00	ng/uL	#	72
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.101	169	127	0.00	ng/uL	#	26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.000	184	237	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.440	252	126	0.00	ng/uL	#	19

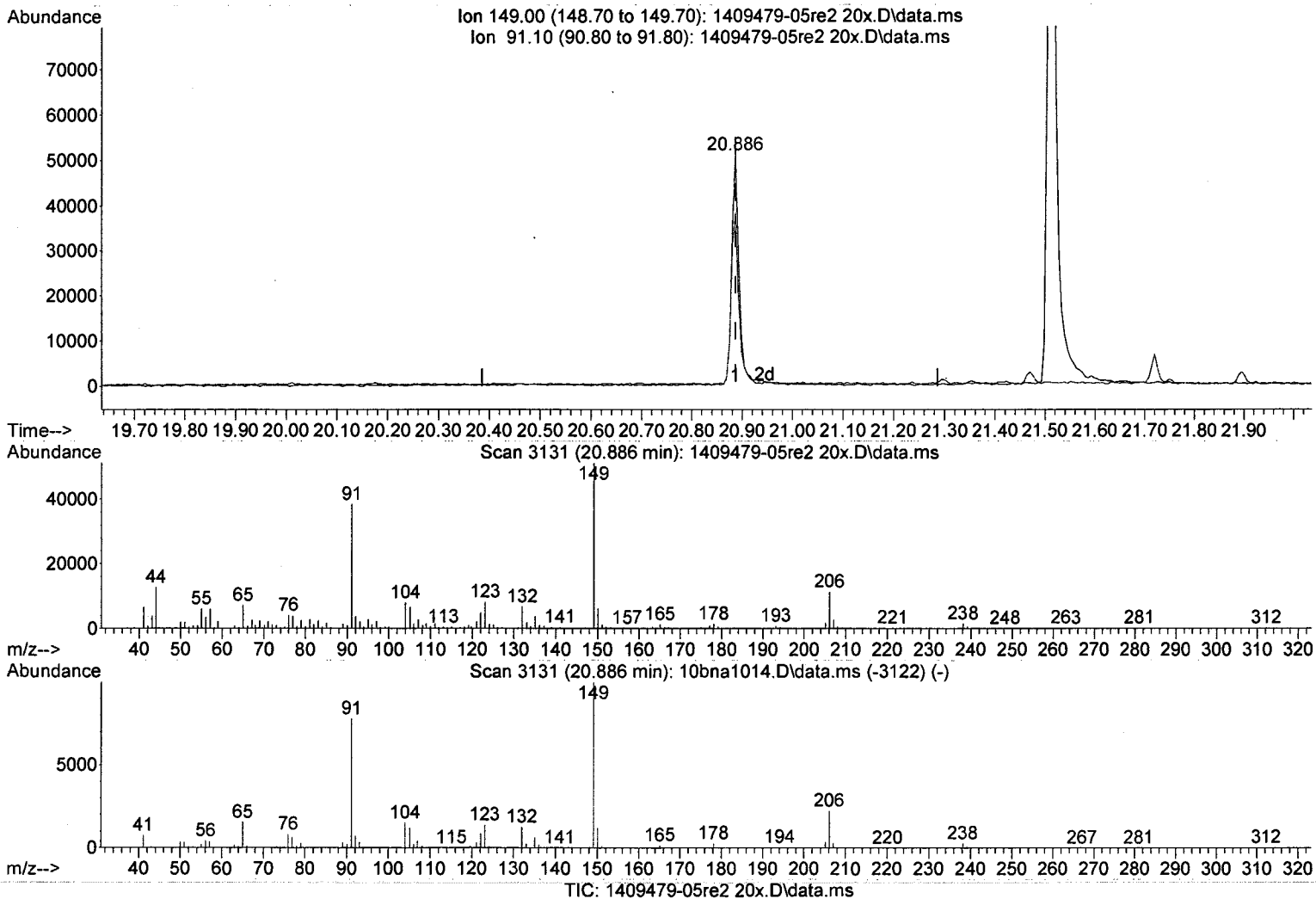
(#) = qualifier out of range (m) = manual integration (+) = signals summed

002710

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2 20x.D
Acq On : 14 Oct 2014 16:15
Operator : JLB
Sample : 1409479-05re2 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 07:58:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2 20x.D\data.ms

(83) Butyl Benzyl Phthalate

20.886min (+ 0.000) 0.60 ng/uL

response 51659

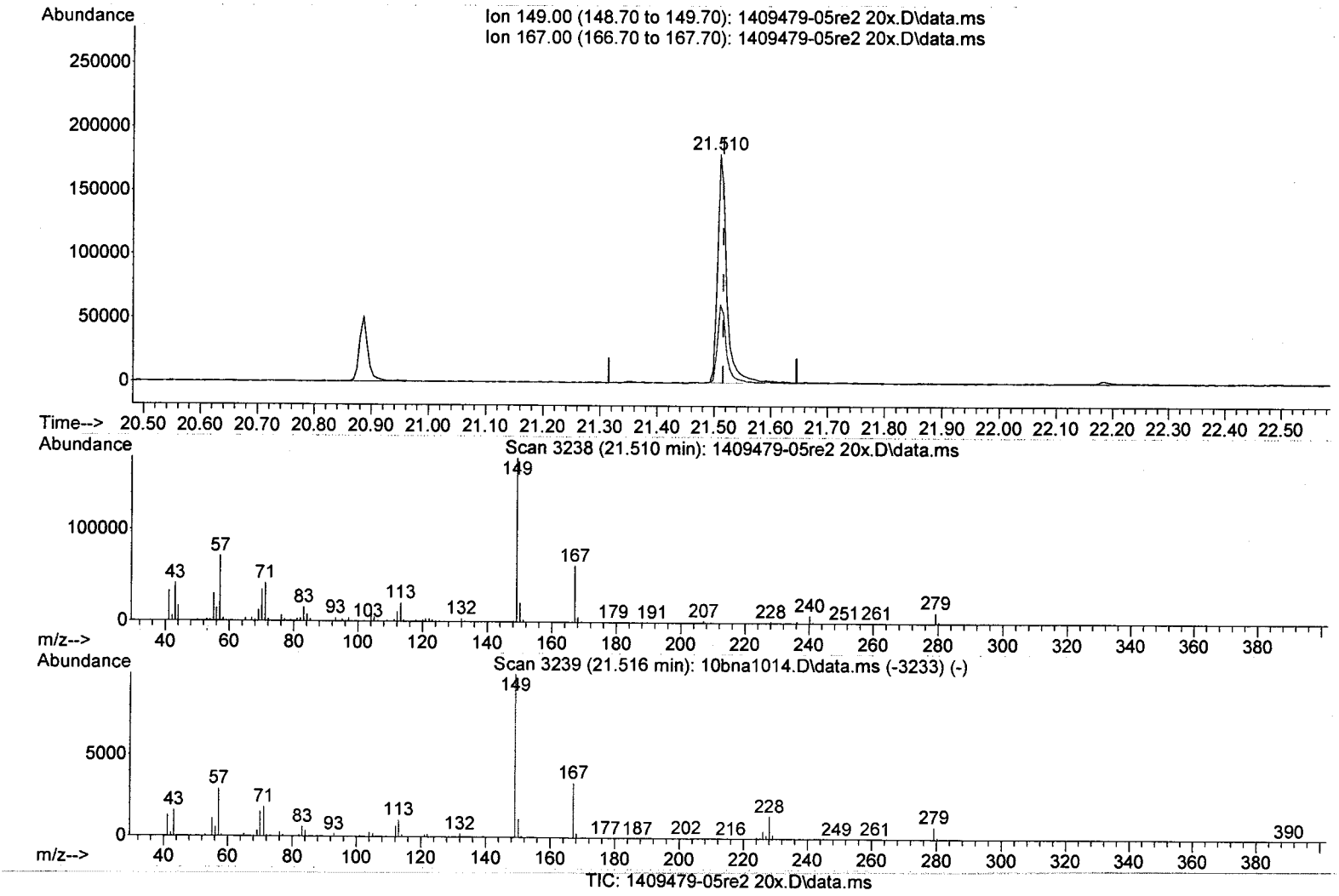
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	83.15
0.00	0.00	0.00
0.00	0.00	0.00

002711

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2 20x.D
Acq On : 14 Oct 2014 16:15
Operator : JLB
Sample : 1409479-05re2 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 07:58:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.510min (-0.006) 1.77 ng/uL

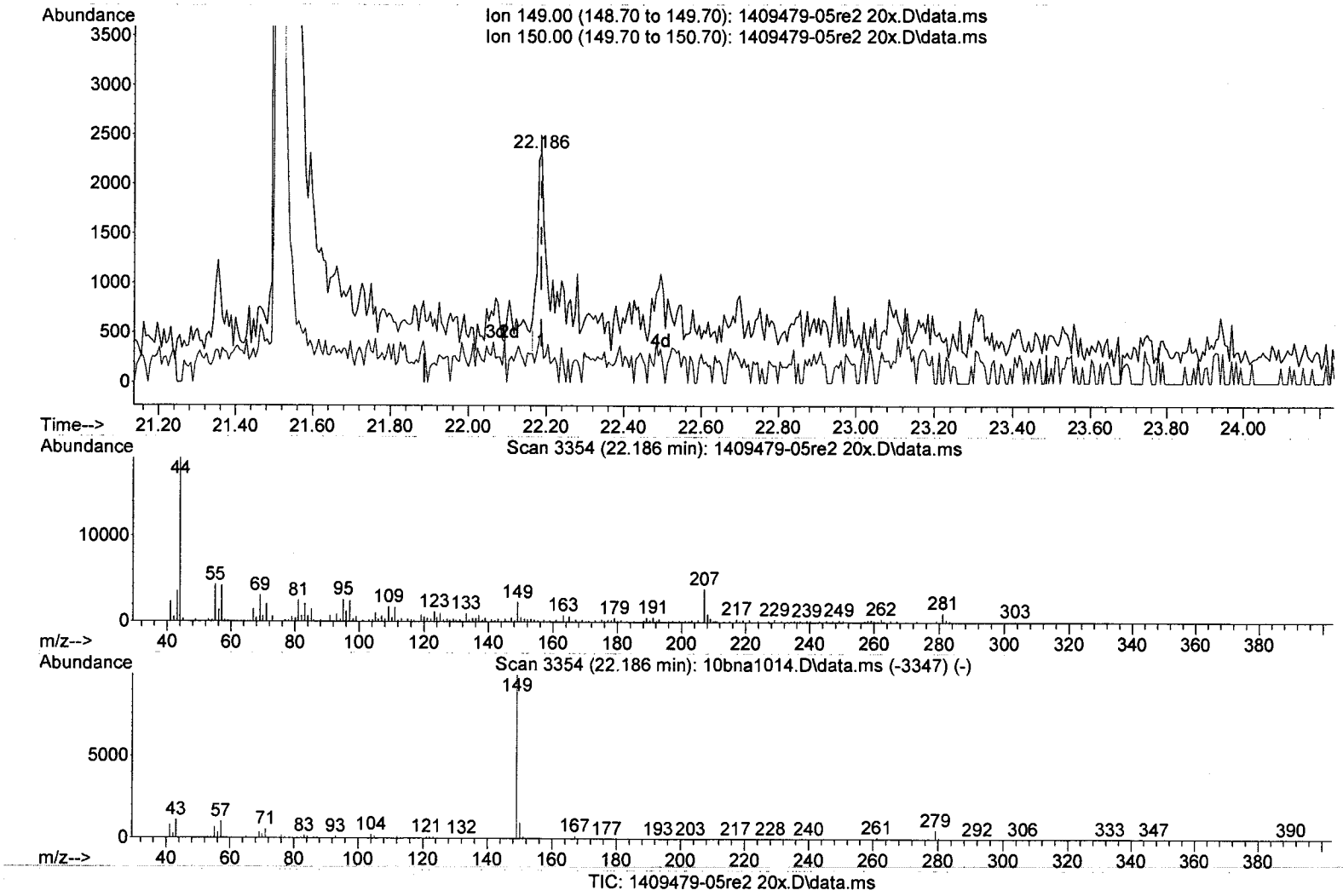
response 196012

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2 20x.D
Acq On : 14 Oct 2014 16:15
Operator : JLB
Sample : 1409479-05re2 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 07:58:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2 20x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.186min (+ 0.000) 0.37 ng/uL

response 6559

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	4.22#
0.00	0.00	0.00
0.00	0.00	0.00

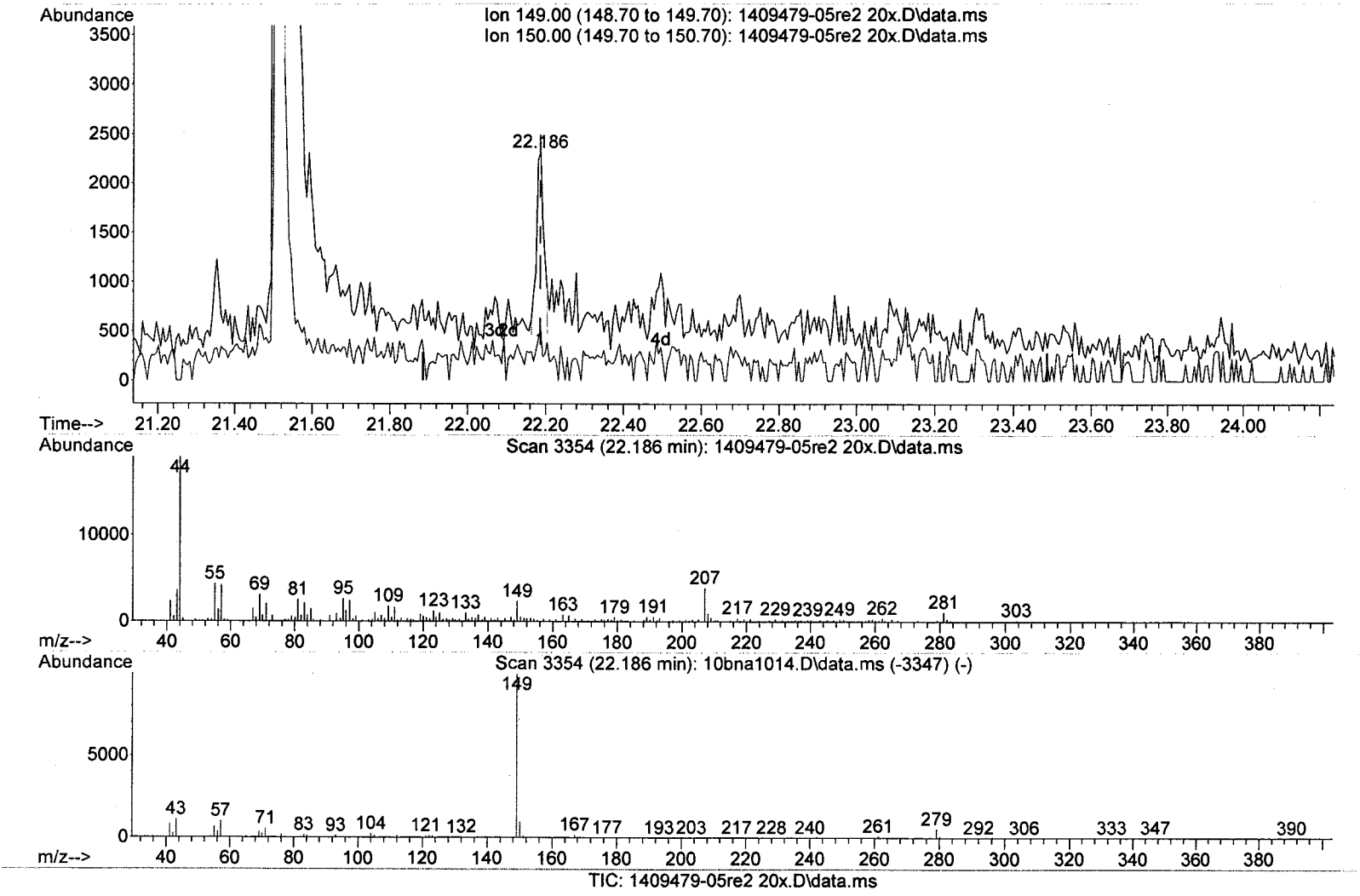
JWS 10/15/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2 20x.D
Acq On : 14 Oct 2014 16:15
Operator : JLB
Sample : 1409479-05re2 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 07:58:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-05re2 20x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.186min (+ 0.000) 0.35 ng/uL m

response 2453 ✓ lm.

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	11.29
0.00	0.00	0.00
0.00	0.00	0.00

PP

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

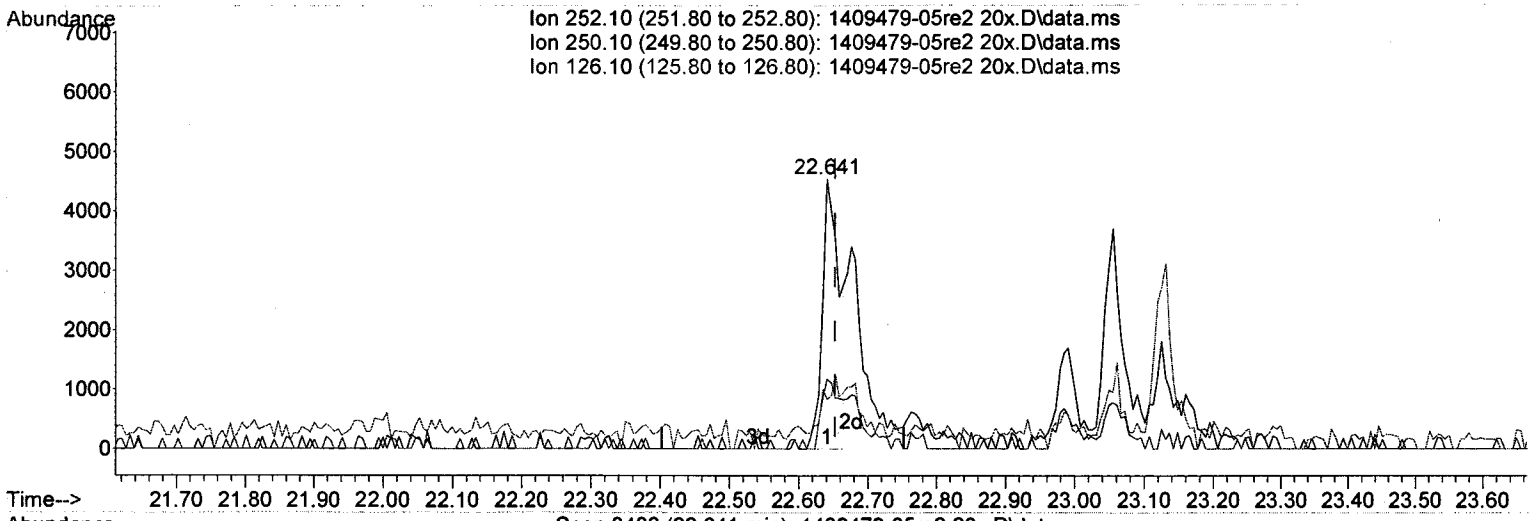
Flagged on Quantitation Report: (Yes / No)
Analyst: JLB Date: 10/15/14
Reviewed By: DMF Date: 10-17-14

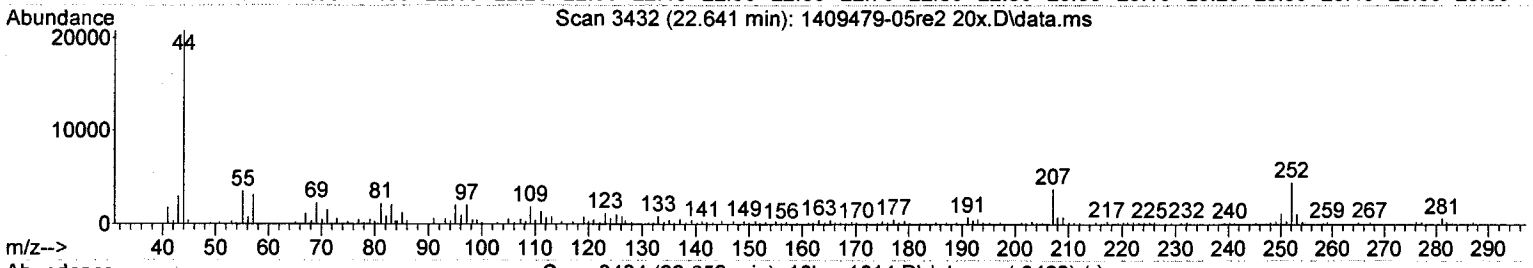
002714

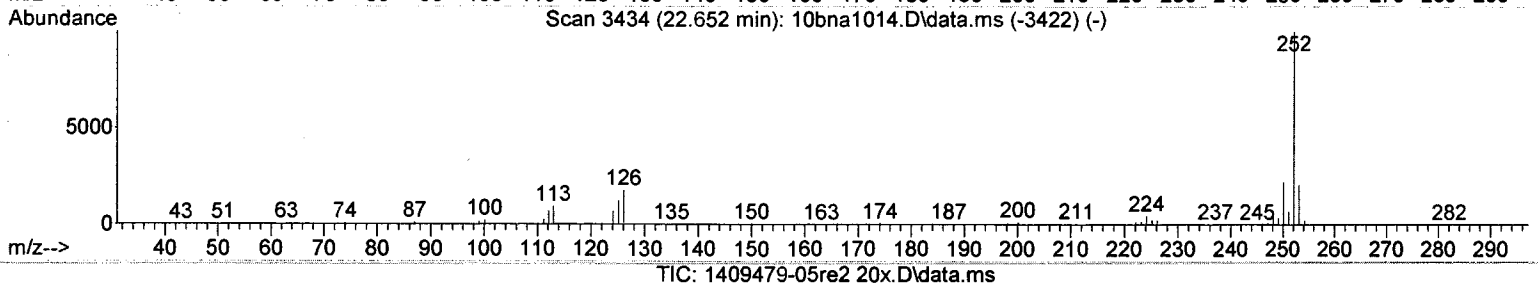
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-05re2 20x.D
Acq On : 14 Oct 2014 16:15
Operator : JLB
Sample : 1409479-05re2 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 07:58:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1409479-05re2 20x.D\data.ms

(90) Benzo(b)fluoroanthene

22.641min (-0.012) 0.06 ng/uL

response 7544

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	51.25#
126.10	17.20	26.15#
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-06 File ID: 1409479-06.D

Sampled: 09/25/14 11:10 Prepared: 10/01/14 07:29 Analyzed: 10/07/14 22:28

Solids: 94.38 Preparation: 3550C Sonication Extract Initial/Final: 28.6 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	18	4.9	18	18	U
208-96-8	Acenaphthylene	1	18	4.4	18	18	U
120-12-7	Anthracene	1	18	4.2	18	18	U
56-55-3	Benzo(a)anthracene	1	8.8	2.9	8.8	18	U
50-32-8	Benzo(a)pyrene	1	8.8	2.4	8.8	18	U
205-99-2	Benzo(b)fluoranthene	1	8.8	2.0	8.8	18	U
207-08-9	Benzo(k)fluoranthene	1	8.8	2.1	8.8	18	U
191-24-2	Benzo(g,h,i)perylene	1	8.8	2.0	8.8	35	U
65-85-0	Benzoic Acid	1	94	73	180	350	J
100-51-6	Benzyl Alcohol	1	18	4.9	18	18	U
101-55-3	4-Bromophenyl Phenyl Ether	1	18	4.3	18	18	U
85-68-7	Butyl Benzyl Phthalate	1	52	4.2	18	35	
86-74-8	Carbazole	1	18	4.3	18	180	U
59-50-7	4-Chloro-3-methylphenol	1	18	5.3	18	18	U
106-47-8	4-Chloroaniline	1	18	9.4	18	71	U
111-91-1	Bis(2-chloroethoxy)methane	1	18	4.3	18	18	U
111-44-4	Bis(2-chloroethyl) Ether	1	18	4.2	18	18	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.8	3.9	8.8	18	U
91-58-7	2-Chloronaphthalene	1	18	5.2	18	18	U
95-57-8	2-Chlorophenol	1	18	4.2	18	18	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	18	4.0	18	18	U
218-01-9	Chrysene	1	18	4.1	18	18	U
53-70-3	Dibenz(a,h)anthracene	1	8.8	2.0	8.8	35	U
132-64-9	Dibenzofuran	1	18	5.2	18	18	U
84-74-2	Di-n-butyl Phthalate	1	68	14	35	71	J
106-46-7	1,4-Dichlorobenzene	1	18	5.1	18	18	U
95-50-1	1,2-Dichlorobenzene	1	18	5.8	18	18	U
541-73-1	1,3-Dichlorobenzene	1	18	6.0	18	18	U
91-94-1	3,3′-Dichlorobenzidine	1	710	290	710	880	U
120-83-2	2,4-Dichlorophenol	1	18	4.3	18	35	U
84-66-2	Diethyl Phthalate	1	18	5.1	18	18	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	180	U
131-11-3	Dimethyl Phthalate	1	18	5.0	18	18	U
534-52-1	4,6-Dinitro-2-methylphenol	1	71	23	71	180	U
51-28-5	2,4-Dinitrophenol	1	180	59	180	180	U
606-20-2	2,6-Dinitrotoluene	1	8.8	4.2	8.8	18	U
121-14-2	2,4-Dinitrotoluene	1	8.8	3.5	8.8	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-06 File ID: 1409479-06.D

Sampled: 09/25/14 11:10 Prepared: 10/01/14 07:29 Analyzed: 10/07/14 22:28

Solids: 94.38 Preparation: 3550C Sonication Extract Initial/Final: 28.6 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	18	4.1	18	18	U
122-66-7	1,2-Diphenylhydrazine	1	8.8	3.6	8.8	18	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	170	12	18	35	B
206-44-0	Fluoranthene	1	18	4.7	18	18	U
86-73-7	Fluorene	1	18	4.3	18	35	U
118-74-1	Hexachlorobenzene	1	18	5.0	18	18	U
87-68-3	Hexachlorobutadiene	1	18	4.9	18	18	U
67-72-1	Hexachloroethane	1	18	5.3	18	18	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.8	2.8	8.8	35	U
78-59-1	Isophorone	1	18	4.1	18	18	U
91-57-6	2-Methylnaphthalene	1	18	4.8	18	18	U
108-39-4	3+4-Methylphenol	1	8.8	3.9	8.8	18	U
95-48-7	2-Methylphenol	1	8.8	3.8	8.8	18	U
91-20-3	Naphthalene	1	18	5.9	18	18	U
100-01-6	4-Nitroaniline	1	71	26	71	350	U
88-74-4	2-Nitroaniline	1	8.8	3.8	8.8	18	U
99-09-2	3-Nitroaniline	1	35	17	35	350	U
98-95-3	Nitrobenzene	1	18	4.9	18	18	U
88-75-5	2-Nitrophenol	1	18	4.7	18	18	U
100-02-7	4-Nitrophenol	1	350	110	350	710	U
62-75-9	N-Nitroso-dimethylamine	1	7.1	3.5	7.1	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.8	3.6	8.8	18	U
621-64-7	N-Nitroso-di-n-propylamine	1	18	4.3	18	18	U
87-86-5	Pentachlorophenol	1	18	14	18	180	U
85-01-8	Phenanthrene	1	18	4.3	18	18	U
108-95-2	Phenol	1	6.7	4.1	18	180	J
129-00-0	Pyrene	1	18	4.6	18	18	U
120-82-1	1,2,4-Trichlorobenzene	1	18	4.7	18	18	U
95-95-4	2,4,5-Trichlorophenol	1	18	4.8	18	18	U
88-06-2	2,4,6-Trichlorophenol	1	8.8	2.7	8.8	18	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	741	355	48	33 - 113	
Phenol-d6	741	212	29	30 - 115	*
Nitrobenzene-d5	370	269	73	33 - 131	
2-Fluorobiphenyl	370	320	86	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-06
File ID: 1409479-06.D
Sampled: 09/25/14 11:10
Prepared: 10/01/14 07:29
Analyzed: 10/07/14 22:28
Solids: 94.38
Preparation: 3550C Sonication Extract
Initial/Final: 28.6 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	741	556	75	12 - 124	
o-Terphenyl	370	344	93	20 - 155	

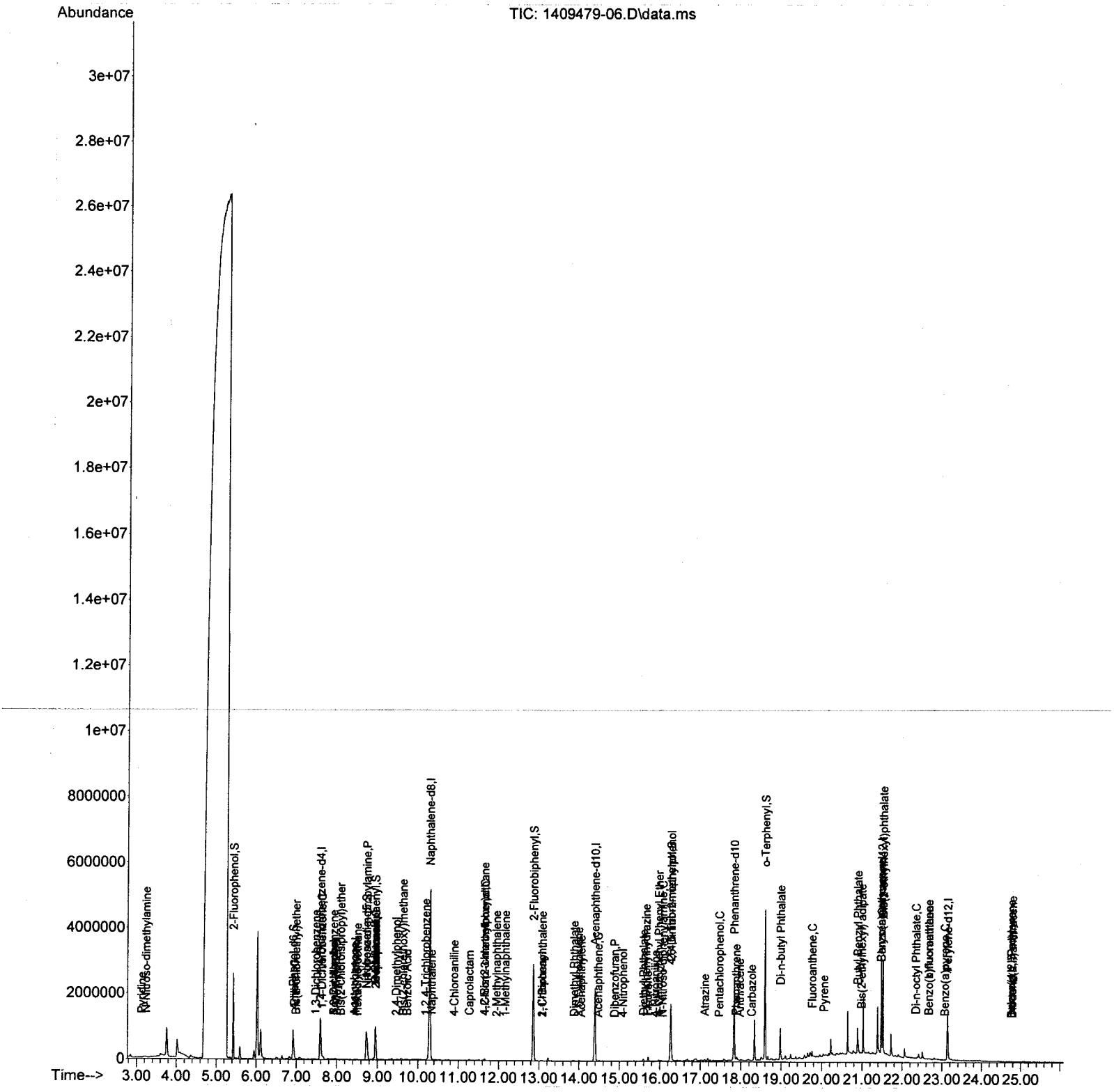
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	429595	7.596	403279	7.614	
Naphthalene-d8	1605403	10.295	1529030	10.359	
Acenaphthene-d10	1005904	14.392	866604	14.474	
Phenanthrene-d10	1637267	17.831	1400442	17.901	
Chrysene-d12	1343291	21.486	1153654	21.538	
Perylene-d12	797342	23.141	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 09:32:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 09:32:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.596	152	429595	5.00	ng/uL	# 0.08
20) Naphthalene-d8	10.295	136	1605403	5.00	ng/uL	0.03
42) Acenaphthene-d10	14.392	164	1005904	5.00	ng/uL	0.02
66) Phenanthrene-d10	17.831	188	1637267	5.00	ng/uL	0.02
81) Chrysene-d12	21.486	240	1343291	5.00	ng/uL	# 0.01
89) Perylene-d12	23.141	264	797342	5.00	ng/uL	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	940871m	9.59	ng/uL	0.32
6) Phenol-d6	6.920	99	728589	5.73	ng/uL	0.09
21) Nitrobenzene-d5	8.727	82	746410	7.27	ng/uL	0.03
23) Decafluorobiphenyl	8.948	334	606618	8.43	ng/uL	0.02
47) 2-Fluorobiphenyl	12.865	172	1797571	8.65	ng/uL	0.02
70) 2,4,6-Tribromophenol	16.275	330	372606	15.00	ng/uL	0.02
78) o-Terphenyl	18.601	230	1304682	9.29	ng/uL	0.02
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.236	74	860	0.01	ng/uL	81
3) Pyridine	3.126	79	1305	0.01	ng/uL#	47
5) Aniline	6.955	93	812	0.23	ng/uL#	1
7) Phenol	6.949	94	26462	0.18	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.996	93	518	0.00	ng/uL	94
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.480	146	2452	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.625	146	1077	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.923	146	2541	0.02	ng/uL#	35
13) Bis(2-chloroisipropyl)...	8.097	45	260	0.00	ng/uL	92
14) Benzyl Alcohol	7.923	108	2406	0.03	ng/uL	94
15) 2-Methylphenol	7.998	108	117	0.00	ng/uL#	19
16) Acetophenone	8.436	105	2329	0.02	ng/uL#	55
17) Hexachloroethane	8.511	119	260	0.01	ng/uL#	3
18) 4-Methylphenol	8.465	108	60	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.733	70	98012	RT 1.27	ng/uL#	4
22) Nitrobenzene	8.727	77	3505	0.03	ng/uL#	1
24) Isophorone	8.954	82	606	0.00	ng/uL	92
25) 2-Chloroaniline	8.948	127	7287	0.06	ng/uL#	59
26) 2-Nitrophenol	8.960	139	1613	0.03	ng/uL#	45
27) 2,4-Dimethylphenol	9.467	107	145	0.00	ng/uL#	63
28) Bis(2-chlorethoxy)methane	9.630	93	121	0.00	ng/uL#	72
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.729	105	6430m	2.53	ng/uL	
31) 1,2,4-Trichlorobenzene	10.184	180	1033	0.01	ng/uL#	72
32) Naphthalene	10.336	128	3565	0.01	ng/uL#	1
33) 4-Chloroaniline	10.889	127	572	0.01	ng/uL#	58
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.274	55	11601	0.25	ng/uL#	40
37) 1,2-Bis(2-chloroethoxy...	11.653	63	3662	0.03	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.659	107	222	0.00	ng/uL#	1
39) 2-Methylnaphthalene	11.950	142	1803	0.01	ng/uL#	83
40) 1-Methylnaphthalene	12.166	142	1299	0.01	ng/uL#	74
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 09:32:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.081	162	481	0.00 ng/uL#	69
49) 1,1'-Biphenyl	13.075	154	1024	0.00 ng/uL#	72
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.048	152	219	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.990	165	755	0.01 ng/uL#	46
53) Dimethyl Phthalate	13.879	163	12925	0.06 ng/uL#	89
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.468	153	75	0.00 ng/uL#	87
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.876	168	332	0.00 ng/uL#	1
58) 4-Nitrophenol	15.086	65	136	0.00 ng/uL#	1
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.698	166	424	0.00 ng/uL#	1
63) Diethyl Phthalate	15.593	149	23305	0.11 ng/uL	91
64) 4-Chlorophenyl Phenyl ...	15.972	204	1819	0.02 ng/uL#	55
65) 4-Nitroaniline	15.885	138	133	0.00 ng/uL#	6
67) 4,6-Dinitro-2-methylph...	16.281	198	862	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.071	169	580	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	15.657	182	67	0.00 ng/uL	93
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.109	200	60	0.00 ng/uL#	25
74) Pentachlorophenol	17.464	266	249	0.01 ng/uL#	1
75) Phenanthrene	17.878	178	8737	0.03 ng/uL	95
76) Anthracene	17.971	178	1356	0.00 ng/uL#	53
77) Carbazole	18.268	167	339	0.00 ng/uL#	64
79) Di-n-butyl Phthalate	18.985	149	577323	1.83 ng/uL	99
80) Fluoroanthene	19.766	202	7075	0.02 ng/uL#	89
82) Pyrene	20.058	202	9048	0.03 ng/uL#	77
83) Butyl Benzyl Phthalate	20.891	149	176596	1.40 ng/uL	85
84) Bis(2-ethylhexyl) adipate	20.990	129	3969	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.474	228	8263	0.03 ng/uL#	13
86) Chrysene	21.474	228	8263	0.03 ng/uL#	92
87) Bis(2-ethylhexyl)phtha...	21.521	149	738959	4.59 ng/uL	91
88) Di-n-octyl Phthalate	22.343	149	46969	~~0.50~~ ng/uL#	80
90) Benzo(b)fluoroanthene	22.663	252	5051	0.03 ng/uL#	91
91) Benzo(k)fluoranthene	22.663	252	5790	0.04 ng/uL	97
92) Benzo(a)pyrene	23.071	252	2075	0.02 ng/uL#	62
93) Indeno(1,2,3-cd)pyrene	24.756	276	1498	0.01 ng/uL#	67
94) Dibdenz(a,h)anthracene	24.791	278	1054	0.01 ng/uL#	87
95) Benzo(g,h,i)Perylene	24.756	276	1498	0.01 ng/uL#	62

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 07:53:05 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

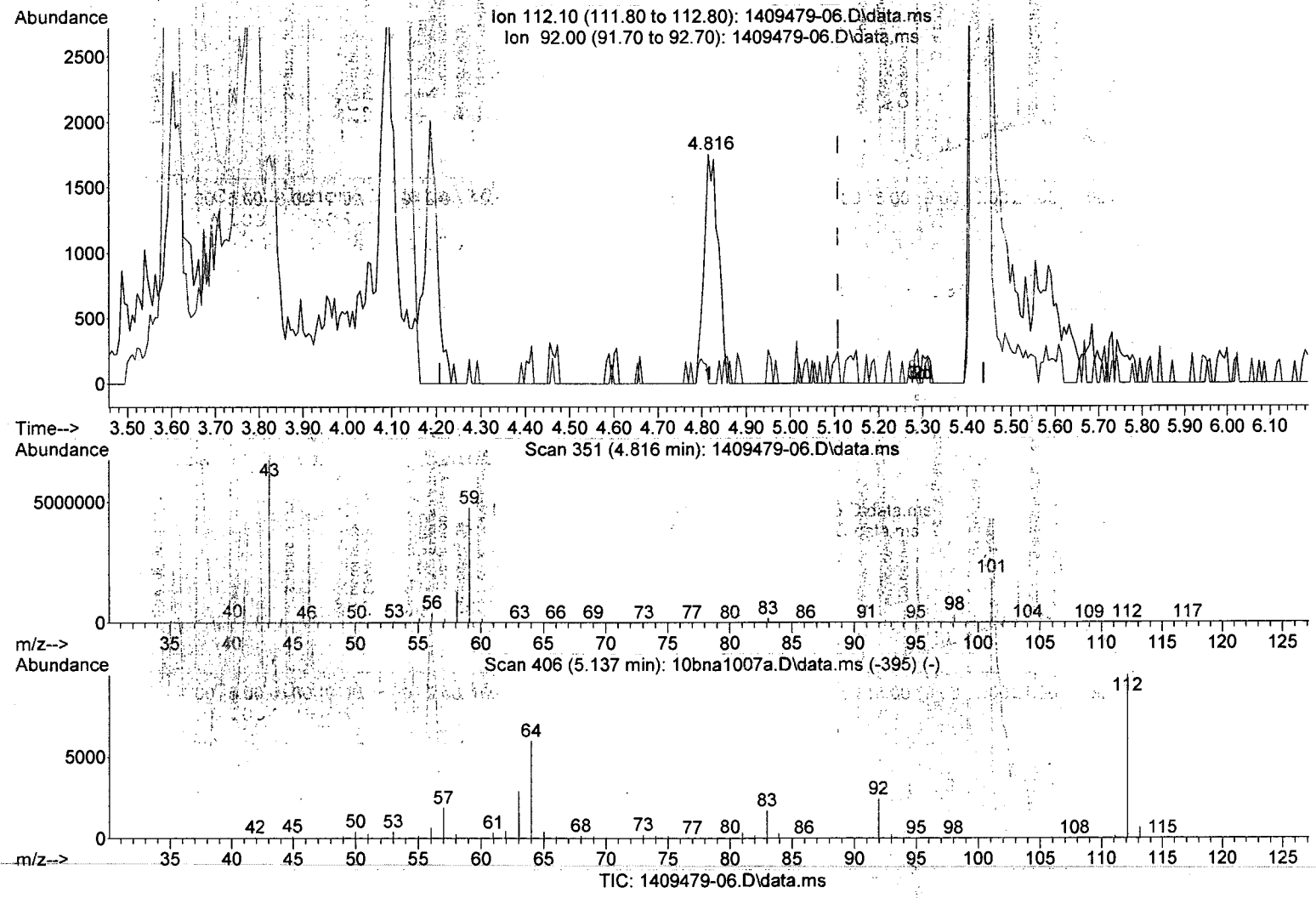
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.596	152	420175	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.295	136	1605403	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.392	164	1002783	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.831	188	1637267	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	1343291	5.00	ng/uL	#	0.00
22) Perylene-d12	23.141	264	798413	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.236	74	860	0.01	ng/uL		81
3) Pyridine	2.939	79	225	0.00	ng/uL		100
4) Aniline	6.955	93	812	0.00	ng/uL	#	1
5) Benzaldehyde	6.710	105	399	0.00	ng/uL	#	51
6) Acetophenone	8.436	105	2329	0.01	ng/uL	#	55
7) N-Nitroso-di-n-propyla...	8.465	70	135	0.00	ng/uL	#	1
9) 4-Chloroaniline	10.499	127	270	0.01	ng/uL		91
10) Caprolactam	11.274	55	4400	0.18	ng/uL	#	59
12) 1,1'-Biphenyl	13.075	154	1024	0.00	ng/uL	#	72
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.885	138	133	Below Cal		#	6
17) N-Nitroso-diphenylamine	16.071	169	580	0.00	ng/uL	#	26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.959	184	884	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.486	252	209	0.00	ng/uL		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 08:44:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-06.D\data.ms

(4) 2-Fluorophenol (S)

4.816min (-0.292) 0.04 ng/uL

response 3960

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	5.76#
0.00	0.00	0.00
0.00	0.00	0.00

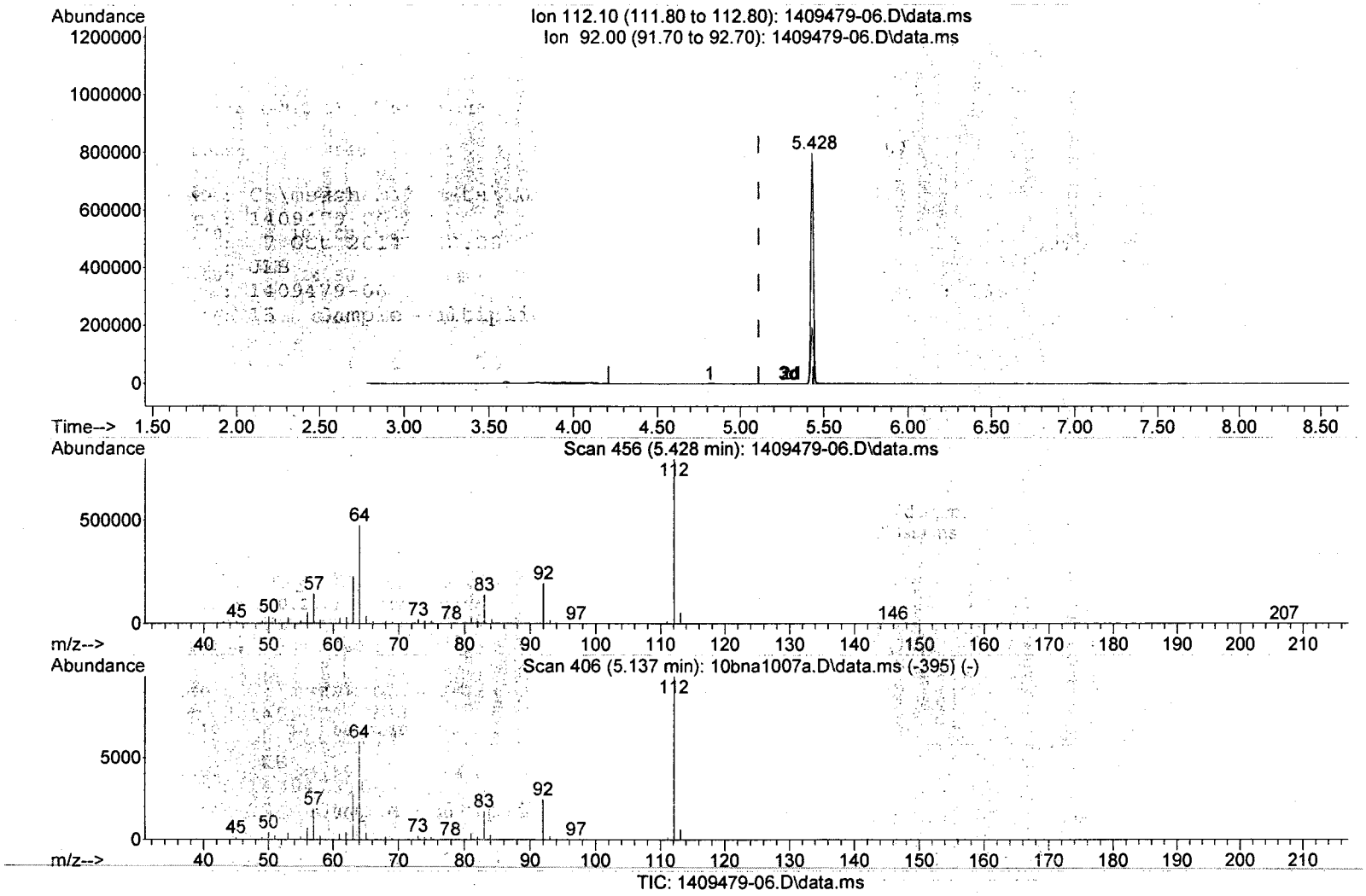
JWS 10/9/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 08:44:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-06.D\data.ms

(4) 2-Fluorophenol (S)

5.428min (+ 0.320) 9.59 ng/uL m

response 940871

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.02#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/9/14

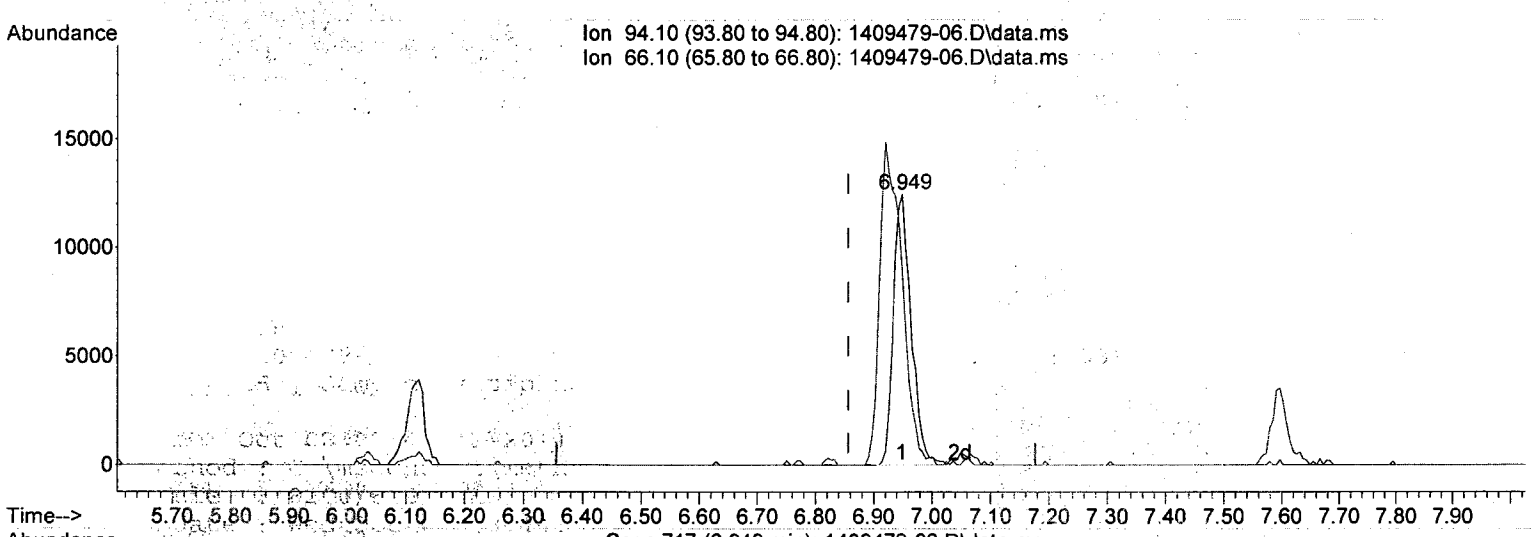
Reviewed By: DW Date: 10-10-14

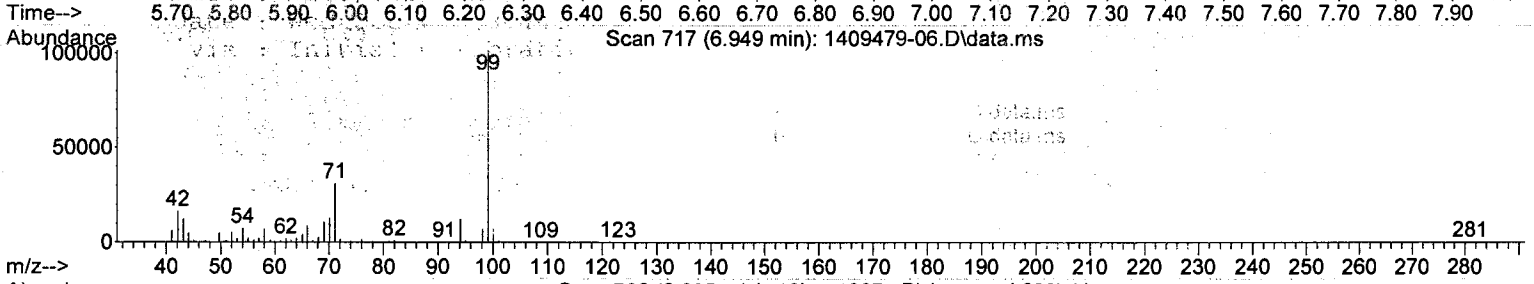
002724

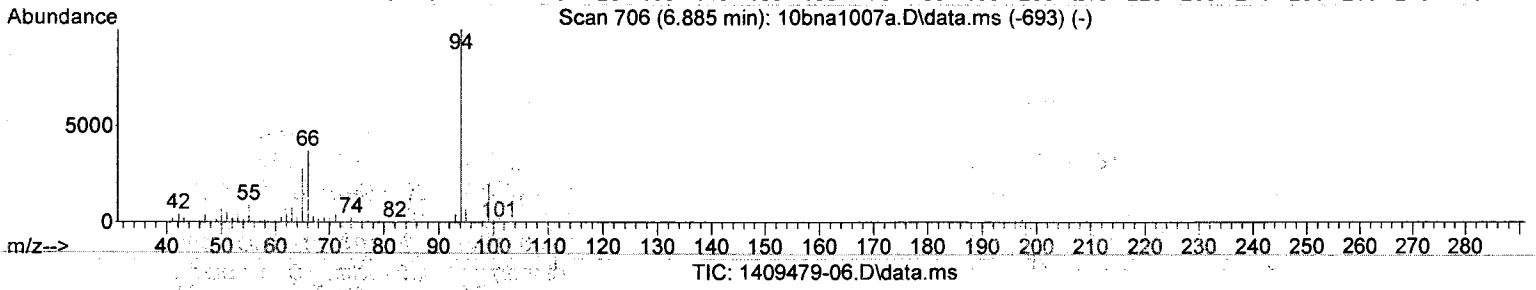
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 08:44:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-06.D\data.ms

(7) Phenol (C)

6.949min (+ 0.093) 0.18 ng/uL

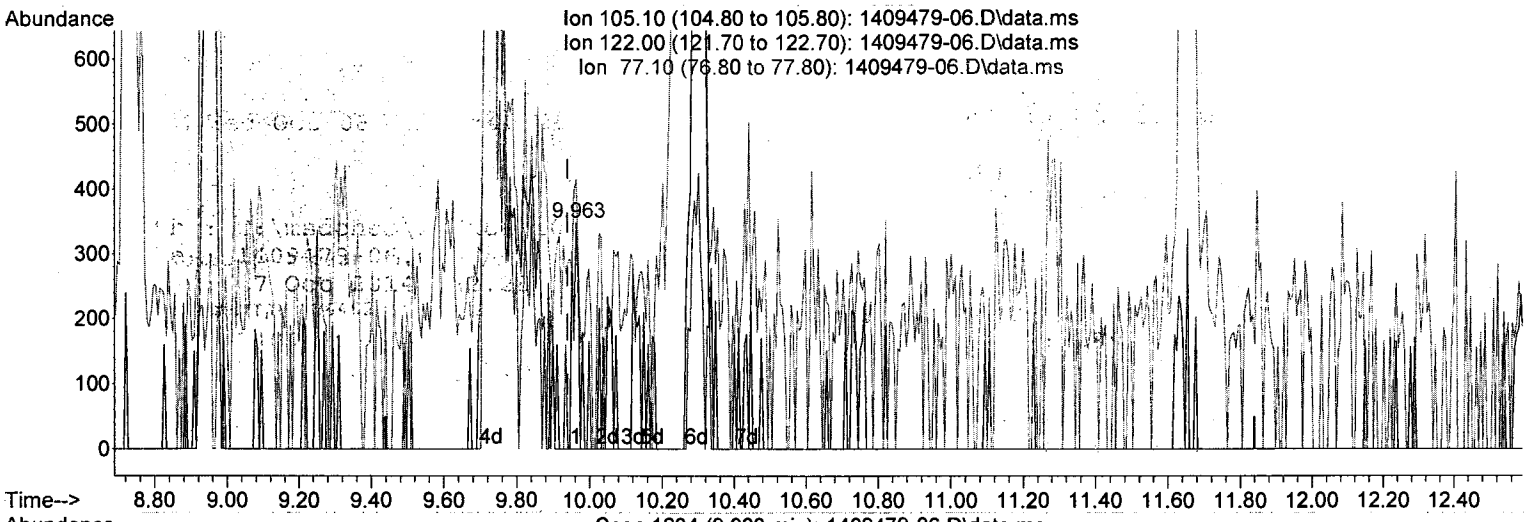
response 26462

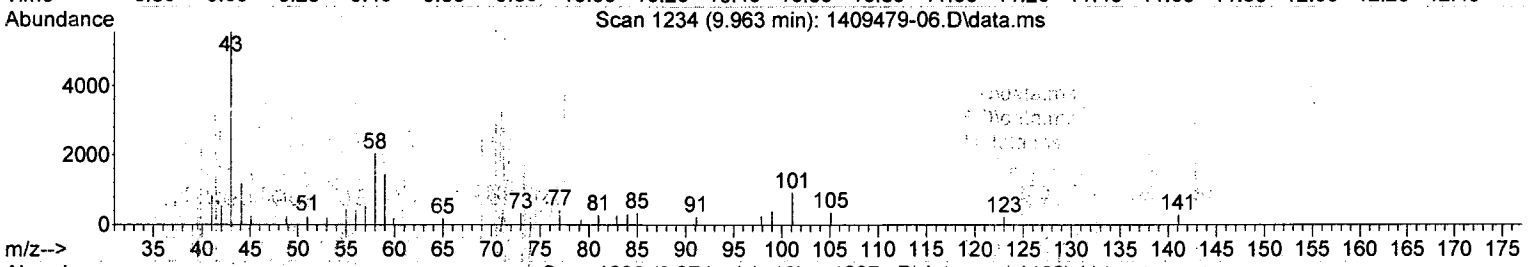
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	151.65#
0.00	0.00	0.00
0.00	0.00	0.00

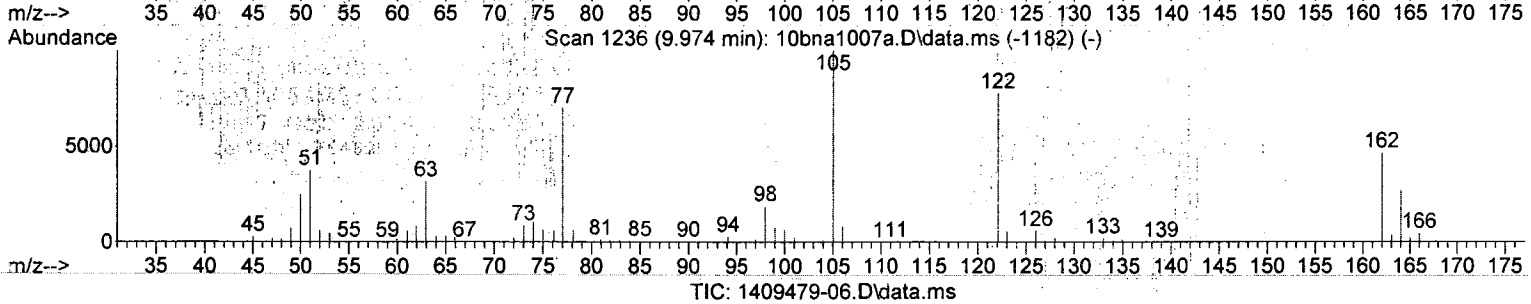
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 08:44:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-06.D\data.ms

(30) Benzoic Acid

9.963min (+ 0.023) 2.46 ng/uL

response 438

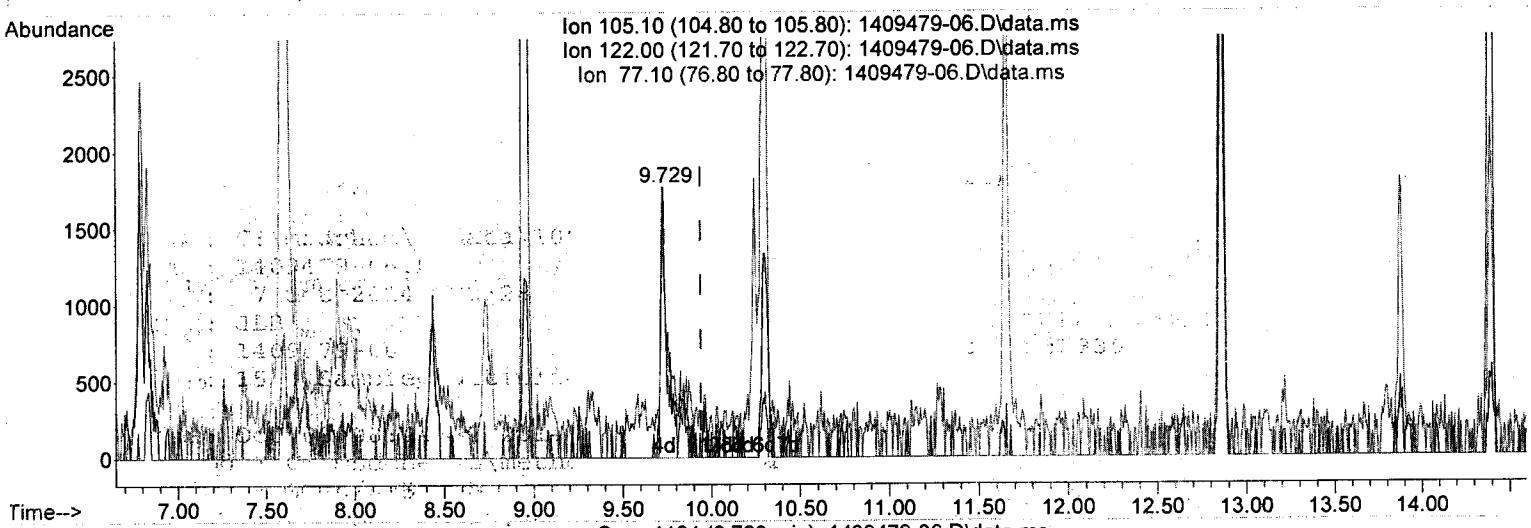
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	57.99#
0.00	0.00	0.00

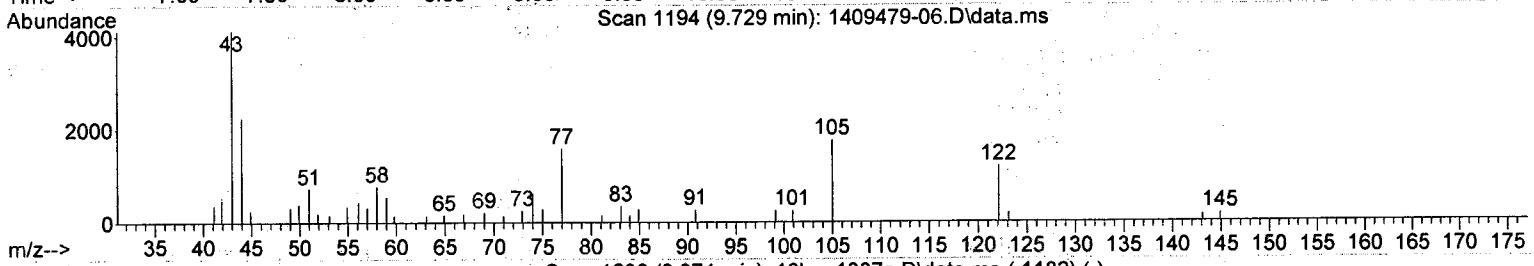
JWS 10/9/14 DWS 10-17-14

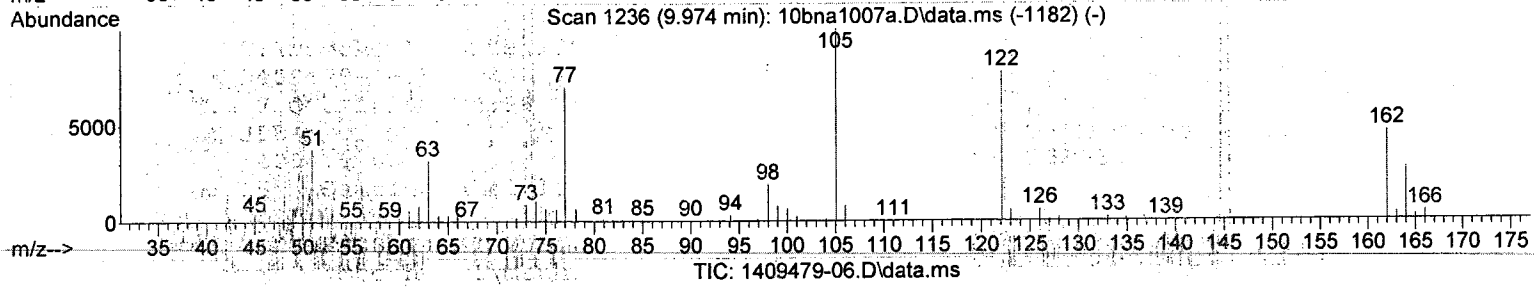
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 08:44:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-06.D\data.ms

(30) Benzoic Acid

9.729min (-0.210) 2.53 ng/uL m

response 6430

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	3.95#
0.00	0.00	0.00

Manual Integration Explanation

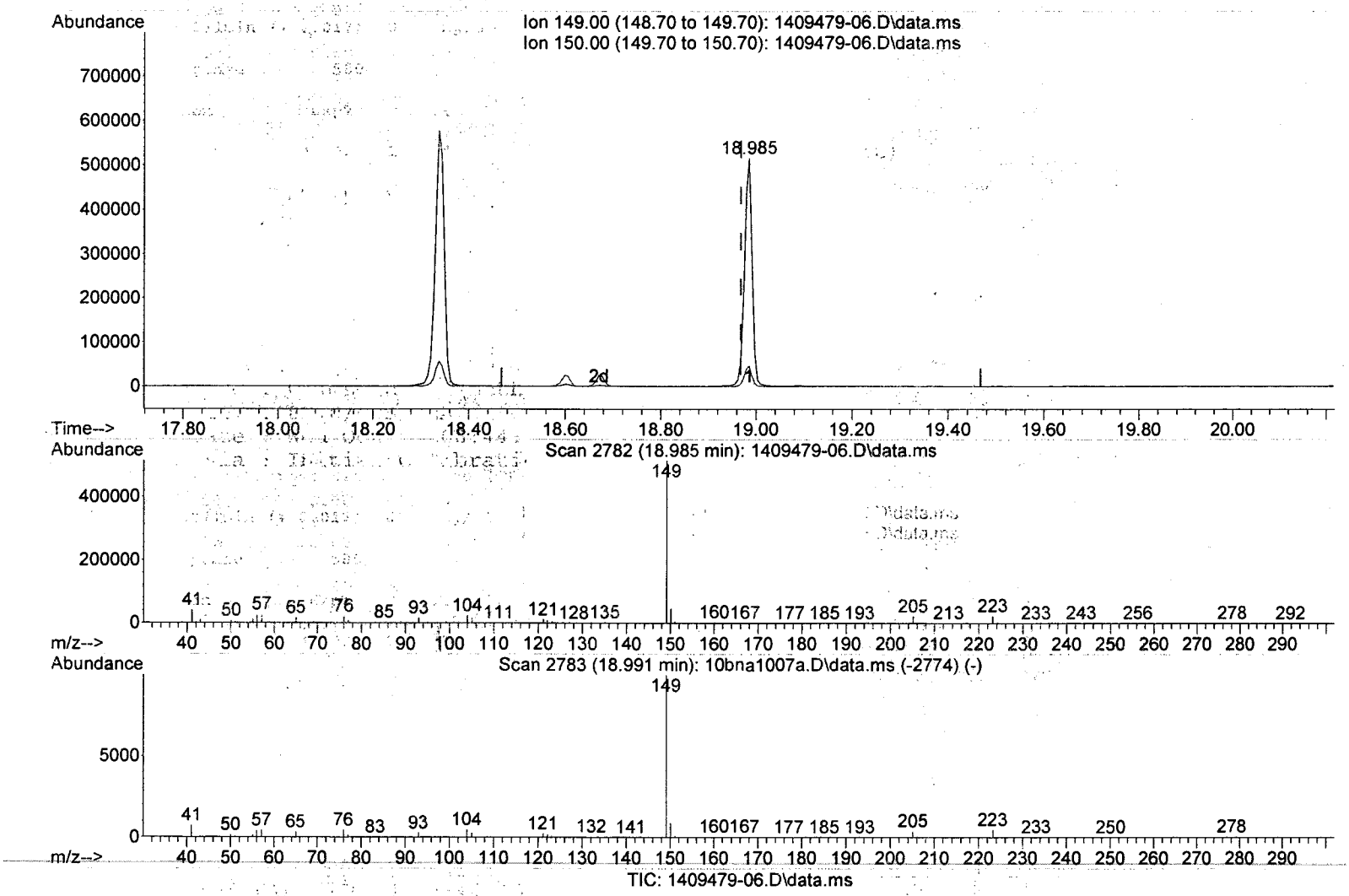
Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/9/14
Reviewed By: DWS Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 08:44:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-06.D\data.ms

(79) Di-n-butyl Phthalate

18.985min (+ 0.017) 1.83 ng/uL

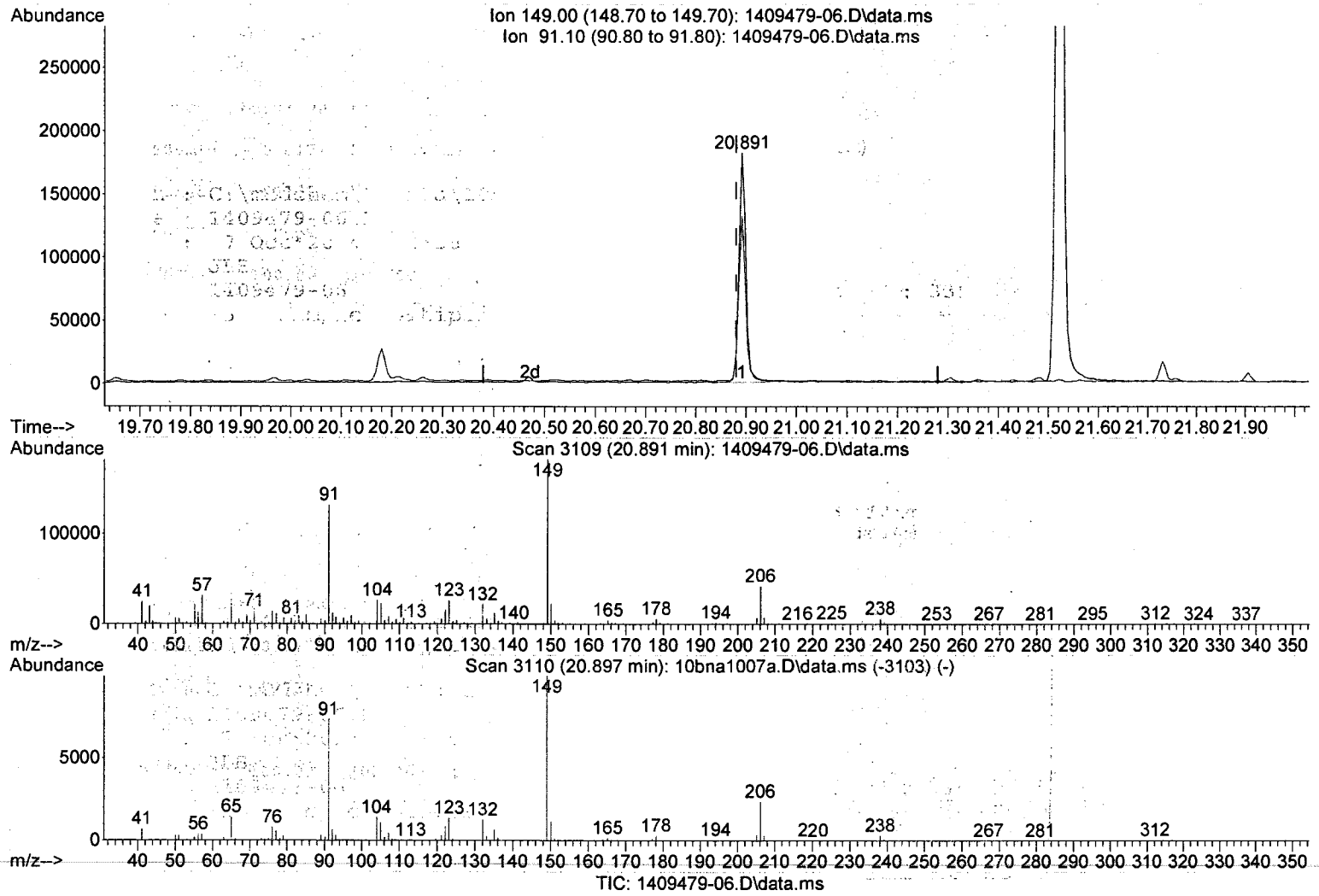
response 577323

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.22
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 08:44:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-06.D\data.ms

(83) Butyl Benzyl Phthalate

20.891min (+ 0.012) 1.40 ng/uL

response 176596

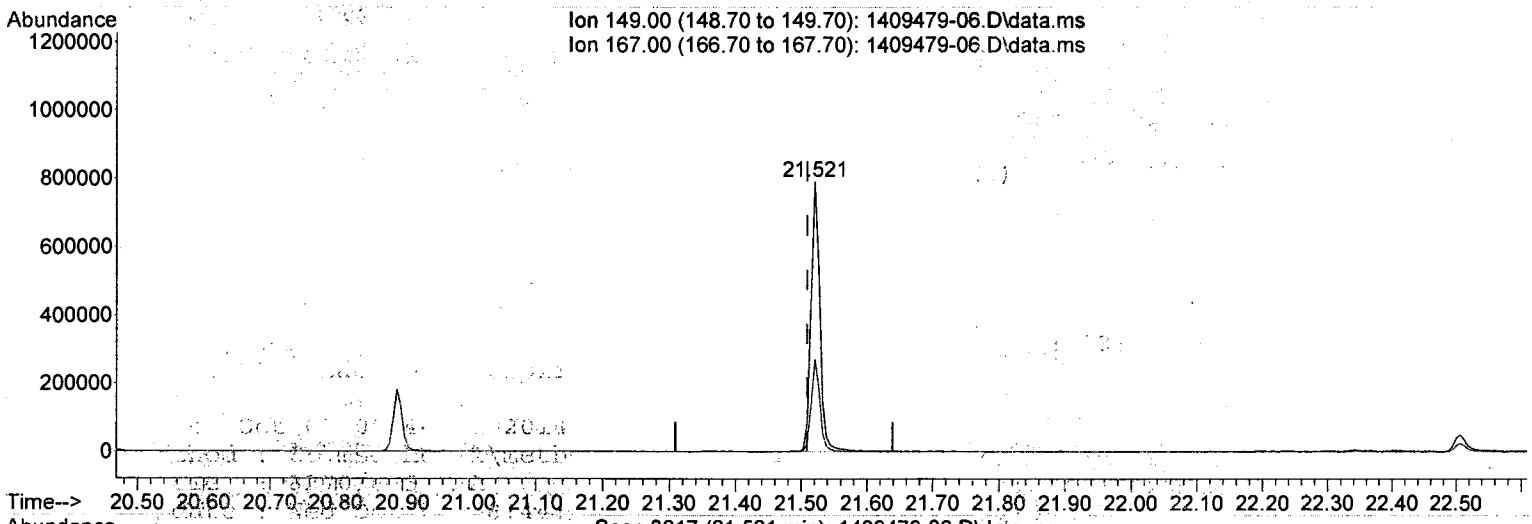
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	71.09
0.00	0.00	0.00
0.00	0.00	0.00

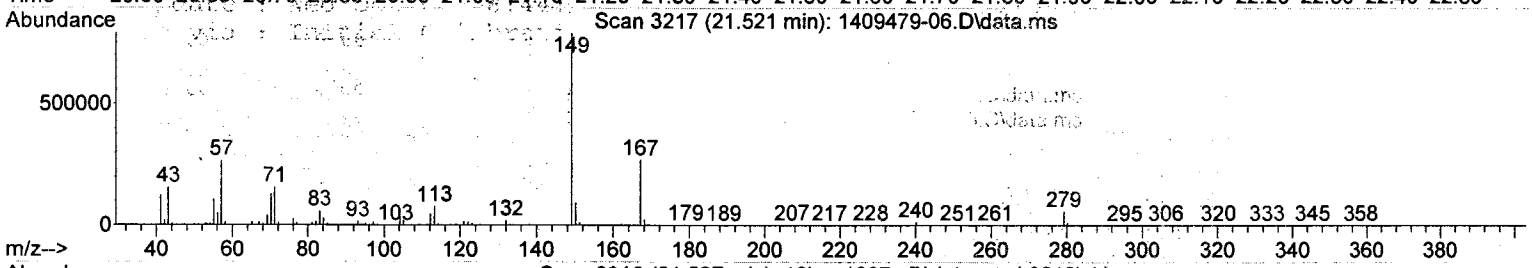
002729

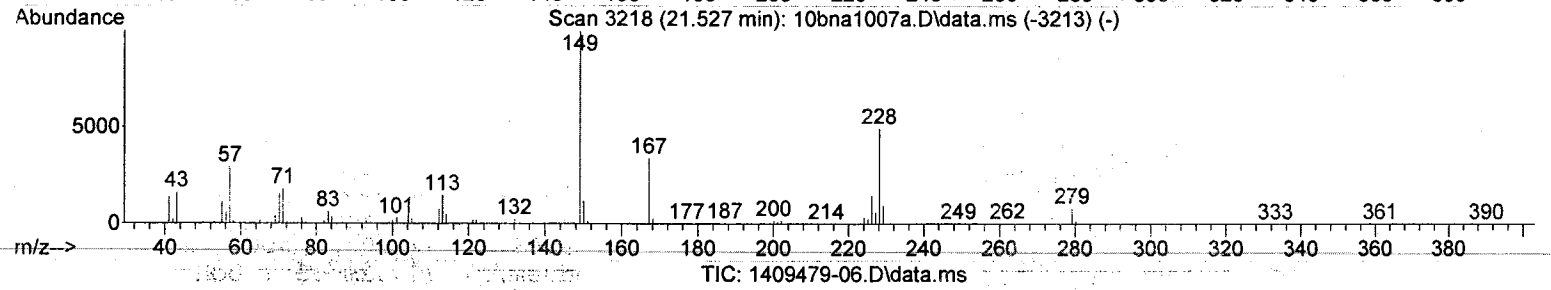
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 08:44:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-06.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.521min (+ 0.012) 4.59 ng/uL

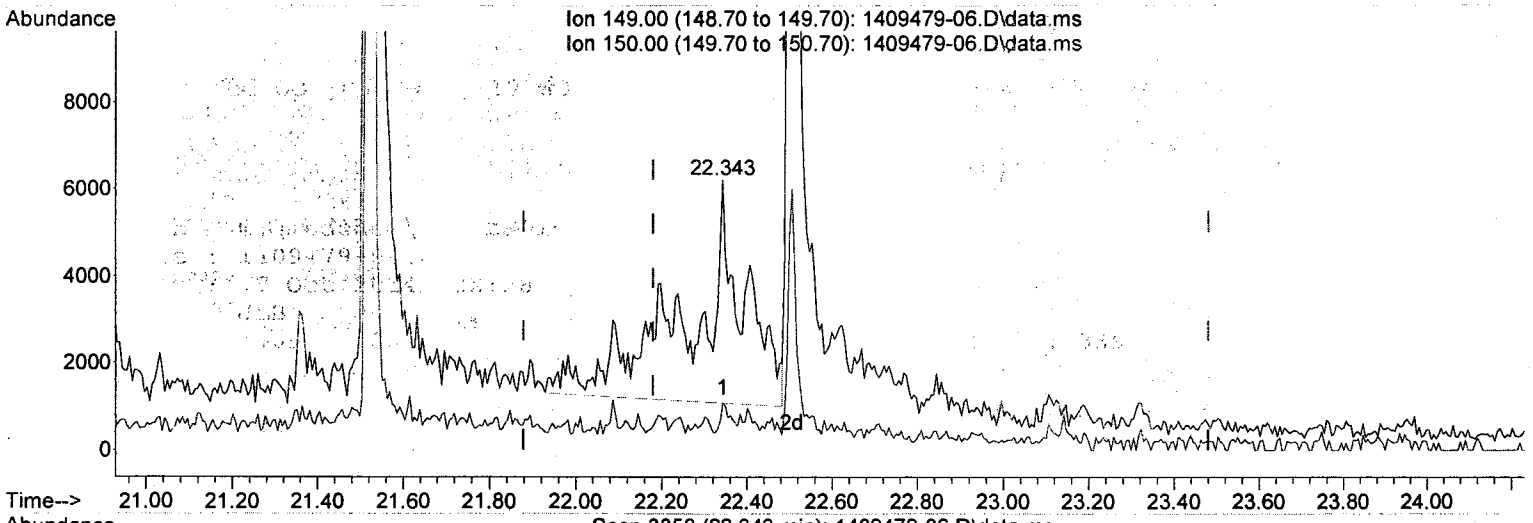
response 738959

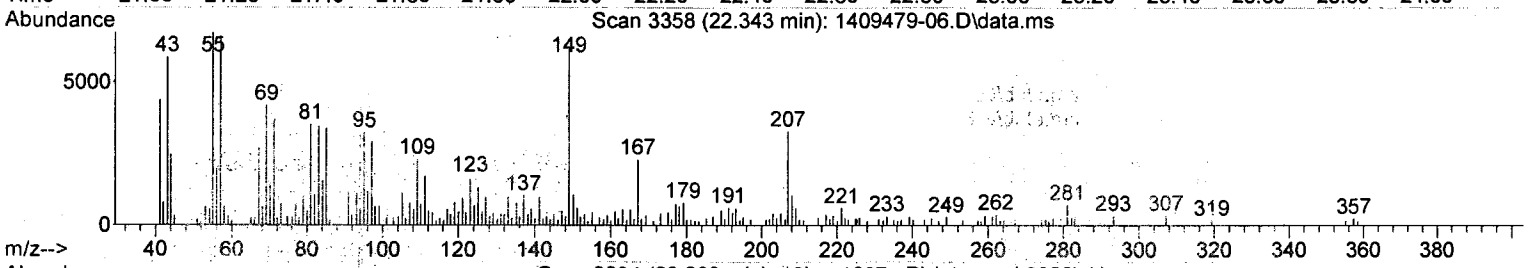
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.88
0.00	0.00	0.00
0.00	0.00	0.00

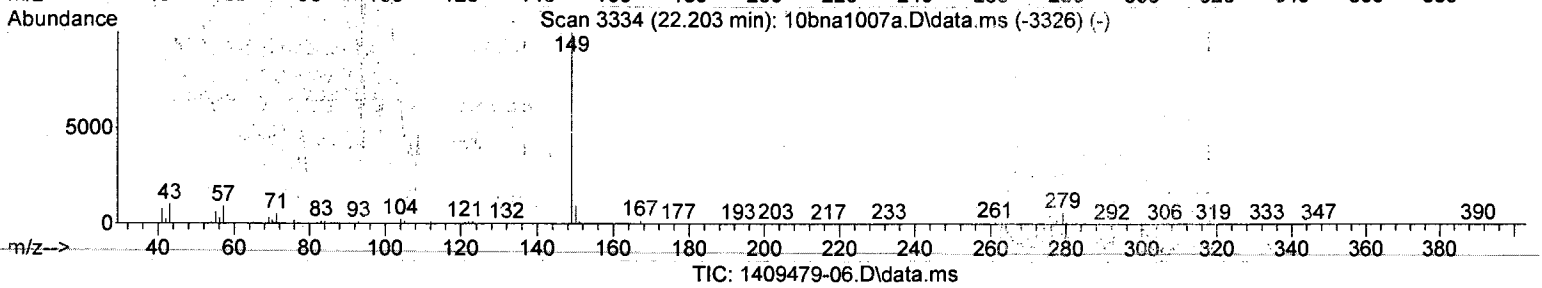
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-06.D
Acq On : 7 Oct 2014 22:28
Operator : JLB
Sample : 1409479-06 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 08:44:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-06.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.343min (+ 0.163) 0.50 ng/uL

response 46969

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	2.28#
0.00	0.00	0.00
0.00	0.00	0.00

PP

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-06RE1
File ID: 1409479-06 re1.D
Sampled: 09/25/14 11:10
Prepared: 10/08/14 07:29
Analyzed: 10/10/14 11:59
Solids: 94.38
Preparation: 3550C Sonication Extract
Initial/Final: 29.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	18	4.9	18	18	U
208-96-8	Acenaphthylene	1	18	4.4	18	18	U
120-12-7	Anthracene	1	18	4.2	18	18	U
56-55-3	Benzo(a)anthracene	1	8.8	2.9	8.8	18	U
50-32-8	Benzo(a)pyrene	1	8.8	2.4	8.8	18	U
205-99-2	Benzo(b)fluoranthene	1	8.8	2.0	8.8	18	U
207-08-9	Benzo(k)fluoranthene	1	8.8	2.1	8.8	18	U
191-24-2	Benzo(g,h,i)perylene	1	8.8	2.0	8.8	35	U
65-85-0	Benzoic Acid	1	91	73	180	350	J
100-51-6	Benzyl Alcohol	1	18	4.9	18	18	U
101-55-3	4-Bromophenyl Phenyl Ether	1	18	4.3	18	18	U
85-68-7	Butyl Benzyl Phthalate	1	62	4.2	18	35	
86-74-8	Carbazole	1	18	4.3	18	180	U
59-50-7	4-Chloro-3-methylphenol	1	18	5.3	18	18	U
106-47-8	4-Chloroaniline	1	18	9.4	18	71	U
111-91-1	Bis(2-chloroethoxy)methane	1	18	4.3	18	18	U
111-44-4	Bis(2-chloroethyl) Ether	1	18	4.2	18	18	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.8	3.9	8.8	18	U
91-58-7	2-Chloronaphthalene	1	18	5.2	18	18	U
95-57-8	2-Chlorophenol	1	18	4.2	18	18	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	18	4.0	18	18	U
218-01-9	Chrysene	1	18	4.1	18	18	U
53-70-3	Dibenz(a,h)anthracene	1	8.8	2.0	8.8	35	U
132-64-9	Dibenzofuran	1	18	5.2	18	18	U
84-74-2	Di-n-butyl Phthalate	1	35	14	35	71	U
106-46-7	1,4-Dichlorobenzene	1	18	5.1	18	18	U
95-50-1	1,2-Dichlorobenzene	1	18	5.8	18	18	U
541-73-1	1,3-Dichlorobenzene	1	18	6.0	18	18	U
91-94-1	3,3´-Dichlorobenzidine	1	710	290	710	880	U
120-83-2	2,4-Dichlorophenol	1	18	4.3	18	35	U
84-66-2	Diethyl Phthalate	1	5.4	5.1	18	18	J
105-67-9	2,4-Dimethylphenol	1	140	38	140	180	U
131-11-3	Dimethyl Phthalate	1	18	5.0	18	18	U
534-52-1	4,6-Dinitro-2-methylphenol	1	71	23	71	180	U
51-28-5	2,4-Dinitrophenol	1	180	59	180	180	U
606-20-2	2,6-Dinitrotoluene	1	8.8	4.2	8.8	18	U
121-14-2	2,4-Dinitrotoluene	1	8.8	3.5	8.8	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-06RE1 File ID: 1409479-06 re1.D

Sampled: 09/25/14 11:10 Prepared: 10/08/14 07:29 Analyzed: 10/10/14 11:59

Solids: 94.38 Preparation: 3550C Sonication Extract Initial/Final: 29.7 grams / 1 mL

QC Batch: 1410496 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	18	4.1	18	18	U
122-66-7	1,2-Diphenylhydrazine	1	8.8	3.6	8.8	18	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	180	12	18	35	B
206-44-0	Fluoranthene	1	18	4.7	18	18	U
86-73-7	Fluorene	1	18	4.3	18	35	U
118-74-1	Hexachlorobenzene	1	18	5.0	18	18	U
87-68-3	Hexachlorobutadiene	1	18	4.9	18	18	U
67-72-1	Hexachloroethane	1	18	5.3	18	18	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.8	2.8	8.8	35	U
78-59-1	Isophorone	1	18	4.1	18	18	U
91-57-6	2-Methylnaphthalene	1	18	4.8	18	18	U
108-39-4	3+4-Methylphenol	1	8.8	3.9	8.8	18	U
95-48-7	2-Methylphenol	1	8.8	3.8	8.8	18	U
91-20-3	Naphthalene	1	18	5.9	18	18	U
100-01-6	4-Nitroaniline	1	71	26	71	350	U
88-74-4	2-Nitroaniline	1	8.8	3.8	8.8	18	U
99-09-2	3-Nitroaniline	1	35	17	35	350	U
98-95-3	Nitrobenzene	1	18	4.9	18	18	U
88-75-5	2-Nitrophenol	1	18	4.7	18	18	U
100-02-7	4-Nitrophenol	1	350	110	350	710	U
62-75-9	N-Nitroso-dimethylamine	1	7.1	3.5	7.1	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.8	3.6	8.8	18	U
621-64-7	N-Nitroso-di-n-propylamine	1	18	4.3	18	18	U
87-86-5	Pentachlorophenol	1	18	14	18	180	U
85-01-8	Phenanthrene	1	18	4.3	18	18	U
108-95-2	Phenol	1	18	4.1	18	180	U
129-00-0	Pyrene	1	18	4.6	18	18	U
120-82-1	1,2,4-Trichlorobenzene	1	18	4.7	18	18	U
95-95-4	2,4,5-Trichlorophenol	1	18	4.8	18	18	U
88-06-2	2,4,6-Trichlorophenol	1	8.8	2.7	8.8	18	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	713	598	84	33 - 113	
Phenol-d6	713	662	93	30 - 115	
Nitrobenzene-d5	357	357	100	33 - 131	
2-Fluorobiphenyl	357	371	104	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB04-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-06RE1
File ID: 1409479-06 re1.D
Sampled: 09/25/14 11:10
Prepared: 10/08/14 07:29
Analyzed: 10/10/14 11:59
Solids: 94.38
Preparation: 3550C Sonication Extract
Initial/Final: 29.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	713	618	87	12 - 124	
o-Terphenyl	357	403	113	20 - 155	

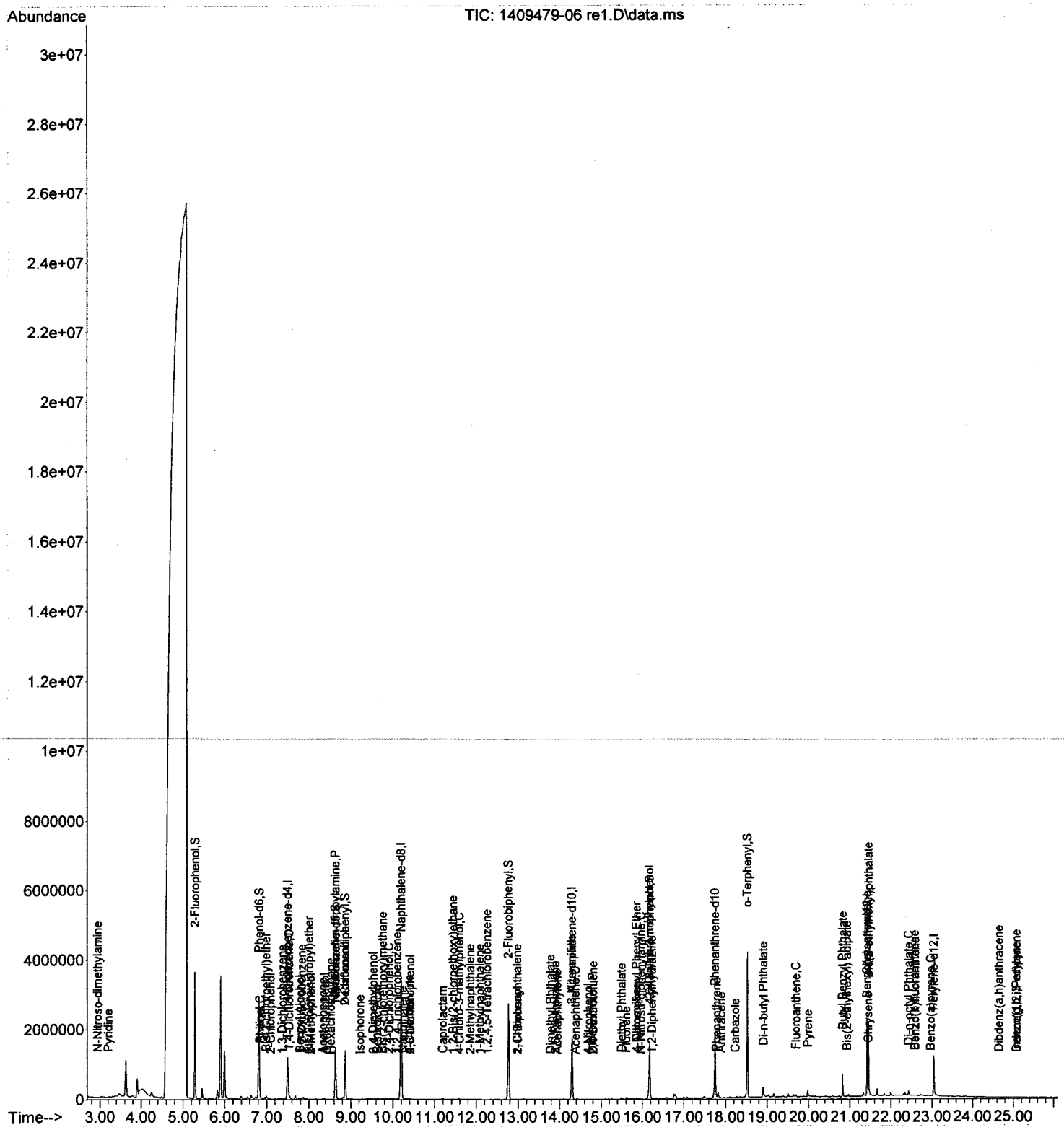
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	379827	7.496	403279	7.614	
Naphthalene-d8	1405016	10.2	1529030	10.359	
Acenaphthene-d10	791487	14.298	866604	14.474	
Phenanthrene-d10	1195446	17.748	1400442	17.901	
Chrysene-d12	920106	21.414	1153654	21.538	
Perylene-d12	663184	23.046	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 10:00:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 10:00:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.496	152	379827	5.00	ng/uL	# 0.04
20) Naphthalene-d8	10.200	136	1405016	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.298	164	791487	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.748	188	1195446	5.00	ng/uL	0.00
81) Chrysene-d12	21.414	240	920106	5.00	ng/uL	# 0.00
89) Perylene-d12	23.046	264	663184	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.286	112	1454394	16.76	ng/uL	0.25
6) Phenol-d6	6.825	99	2084834	18.56	ng/uL	0.05
21) Nitrobenzene-d5	8.638	82	897847	10.00	ng/uL	0.00
23) Decafluorobiphenyl	8.865	334	599678	9.52	ng/uL	0.00
47) 2-Fluorobiphenyl	12.770	172	1700444	10.40	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.180	330	313997	17.32	ng/uL	-0.01
78) o-Terphenyl	18.529	230	1159278	11.31	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.943	74	686	0.01	ng/uL	93
3) Pyridine	3.200	79	1833	0.02	ng/uL	89
5) Aniline	6.843	93	119	0.22	ng/uL#	1
7) Phenol	6.843	94	5753	0.05	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.988	93	166	0.00	ng/uL#	1
9) 2-Chlorophenol	7.088	128	578	0.01	ng/uL#	43
10) 1,3-Dichlorobenzene	7.373	146	3174	0.03	ng/uL#	1
11) 1,4-Dichlorobenzene	7.531	146	1887	0.02	ng/uL#	1
12) 1,2-Dichlorobenzene	7.828	146	3630	0.04	ng/uL#	35
13) Bis(2-chloroisipropyl)...	8.003	45	676	0.00	ng/uL	91
14) Benzyl Alcohol	7.793	108	7251	0.11	ng/uL	97
15) 2-Methylphenol	8.043	108	224	0.00	ng/uL#	1
16) Acetophenone	8.335	105	3287	0.02	ng/uL	97
17) Hexachloroethane	8.521	119	526	0.01	ng/uL#	8
18) 4-Methylphenol	8.381	108	759	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.632	70	116863	~~1.71~~	ng/uL#	10
22) Nitrobenzene	8.632	77	4952	0.05	ng/uL#	1
24) Isophorone	9.221	82	1845	0.01	ng/uL#	83
25) 2-Chloroaniline	8.865	127	8486	0.07	ng/uL#	57
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.536	107	400	0.00	ng/uL#	75
28) Bis(2-chlorethoxy)methane	9.763	93	57	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	9.909	162	379	0.01	ng/uL#	57
30) Benzoic Acid	9.629	105	6943	2.54	ng/uL	94
31) 1,2,4-Trichlorobenzene	10.101	180	1785	0.02	ng/uL	99
32) Naphthalene	10.247	128	3822	0.01	ng/uL#	74
33) 4-Chloroaniline	10.398	127	618	0.01	ng/uL#	81
34) 2,6-Dichlorophenol	10.416	162	248	0.00	ng/uL#	13
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.191	55	11877	0.29	ng/uL#	45
37) 1,2-Bis(2-chloroethoxy...	11.442	63	132	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.593	107	1109	0.01	ng/uL#	1
39) 2-Methylnaphthalene	11.855	142	2636	0.01	ng/uL	93
40) 1-Methylnaphthalene	12.083	142	1868	0.01	ng/uL#	81
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 10:00:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.258	216	63	0.00 ng/uL#	1
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	12.980	162	680	0.00 ng/uL#	80
49) 1,1'-Biphenyl	12.986	154	1216	0.01 ng/uL#	79
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.948	152	529	0.00 ng/uL#	77
52) 2,6-Dinitrotoluene	13.901	165	293	0.01 ng/uL#	49
53) Dimethyl Phthalate	13.785	163	1256	0.01 ng/uL#	24
54) 3-Nitroaniline	14.292	138	241	0.01 ng/uL#	1
55) Acenaphthene	14.379	153	398	0.00 ng/uL	95
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.793	168	1051	0.00 ng/uL	93
58) 4-Nitrophenol	14.688	65	110	0.00 ng/uL#	2
59) 2,4-Dinitrotoluene	14.805	165	55	0.00 ng/uL#	47
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.609	166	787	~~0.00~~ ng/uL#	23
63) Diethyl Phthalate	15.498	149	24831	0.15 ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.860	204	1056	0.01 ng/uL#	1
65) 4-Nitroaniline	15.860	138	405	0.02 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.174	198	914	~~1.02~~ ng/uL#	1
68) N-Nitroso-diphenylamine	15.970	169	712	0.01 ng/uL#	39
69) 1,2-Diphenylhydrazine	16.238	182	55	0.00 ng/uL	96
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	0.000		0	N.D.	
75) Phenanthrene	17.789	178	10283	0.04 ng/uL#	91
76) Anthracene	17.894	178	1370	0.01 ng/uL#	1
77) Carbazole	18.232	167	1264	0.01 ng/uL#	56
79) Di-n-butyl Phthalate	18.914	149	18292	0.08 ng/uL#	90
80) Fluoroanthene	19.695	202	10888	0.05 ng/uL	96
82) Pyrene	19.986	202	11381	0.05 ng/uL#	58
83) Butyl Benzyl Phthalate	20.826	149	150724	1.75 ng/uL	89
84) Bis(2-ethylhexyl) adipate	20.931	129	3289	0.11 ng/uL#	100
85) Benzo(a)anthracene	21.408	228	6598	0.04 ng/uL#	23
86) Chrysene	21.443	228	5590	0.03 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.455	149	571544	5.18 ng/uL	93
88) Di-n-octyl Phthalate	22.429	149	63417	pp ~~0.65~~ ng/uL	100
90) Benzo(b)fluoroanthene	22.580	252	4284m	0.04 ng/uL	
91) Benzo(k)fluoranthene	22.592	252	2741m	0.02 ng/uL	
92) Benzo(a)pyrene	22.971	252	2266	0.02 ng/uL#	71
93) Indeno(1,2,3-cd)pyrene	25.075	276	1911	0.02 ng/uL#	80
94) Dibdenz(a,h)anthracene	24.649	278	377	0.00 ng/uL#	60
95) Benzo(g,h,i)Perylene	25.075	276	1911	0.02 ng/uL#	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

002737

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 14:55:18 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:52:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.496	152	375262	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.200	136	1405016	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.298	164	790315	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.748	188	1195944	5.00	ng/uL		0.00
19) Chrysene-d12	21.414	240	920106	5.00	ng/uL	#	0.00
22) Perylene-d12	23.046	264	665025	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.943	74	686	0.01	ng/uL		93
3) Pyridine	2.984	79	786	0.01	ng/uL	#	69
4) Aniline	6.843	93	119	0.00	ng/uL	#	1
5) Benzaldehyde	6.604	105	254	0.00	ng/uL	#	1
6) Acetophenone	8.335	105	3287	0.02	ng/uL		97
7) N-Nitroso-di-n-propyla...	8.166	70	1076	0.01	ng/uL		91
9) 4-Chloroaniline	10.369	127	119	0.01	ng/uL		99
10) Caprolactam	11.191	55	4535	0.20	ng/uL	#	58
12) 1,1'-Biphenyl	12.986	154	1216	0.01	ng/uL	#	79
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.292	138	241	Below Cal		#	1
15) 4-Nitroaniline	15.860	138	405	Below Cal		#	1
17) N-Nitroso-diphenylamine	15.970	169	712	0.01	ng/uL	#	39
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.934	184	243	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.327	252	248	0.00	ng/uL		89

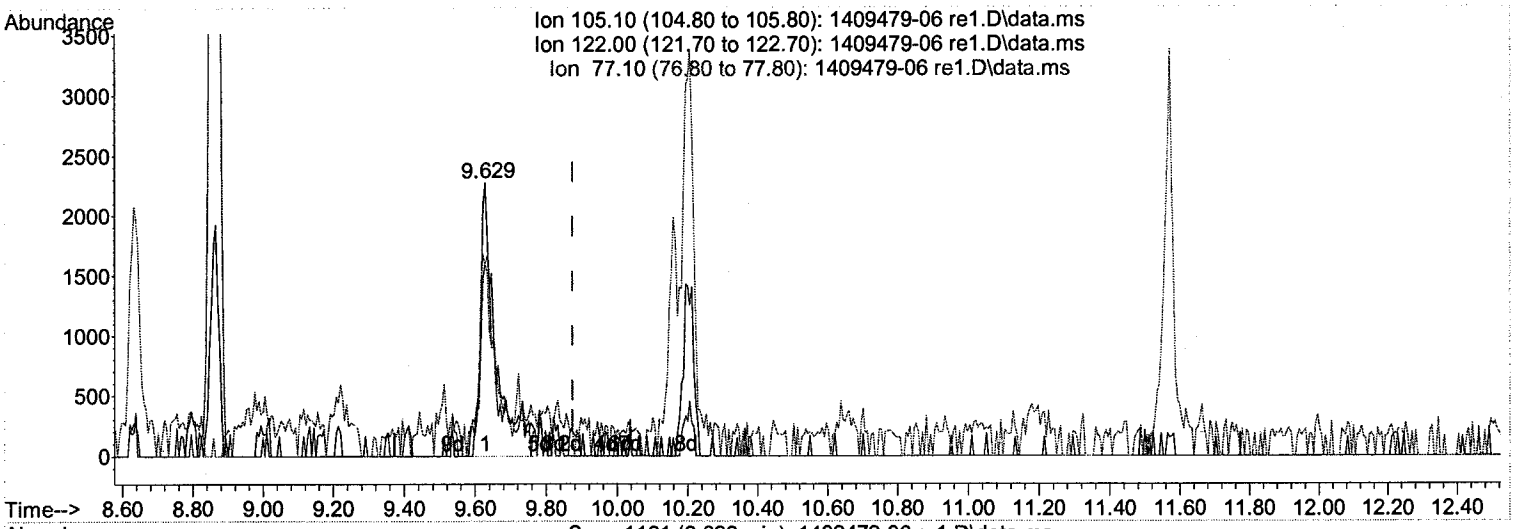
(#) = qualifier out of range (m) = manual integration (+) = signals summed

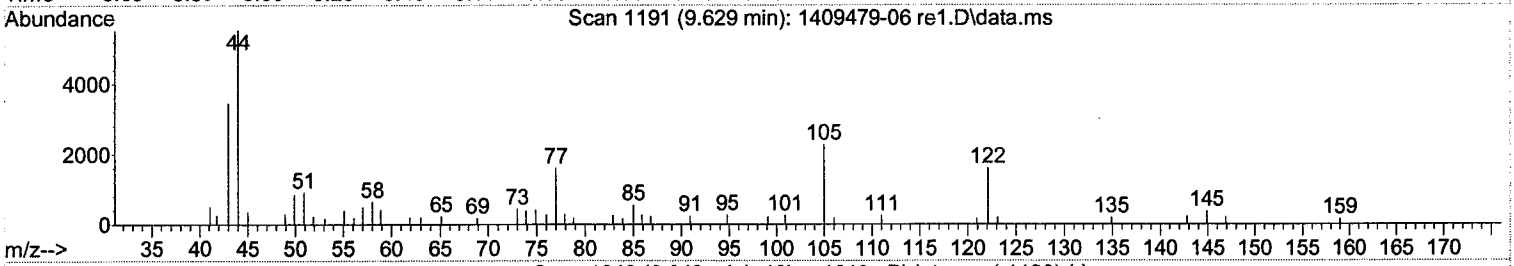
002738

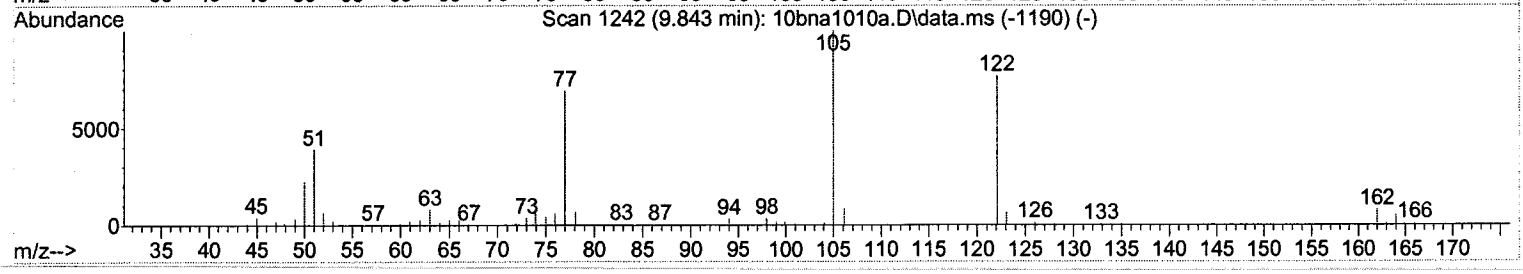
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 14:58:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-06 re1.D\data.ms

(30) Benzoic Acid

9.629min (-0.245) 2.54 ng/uL

response 6943

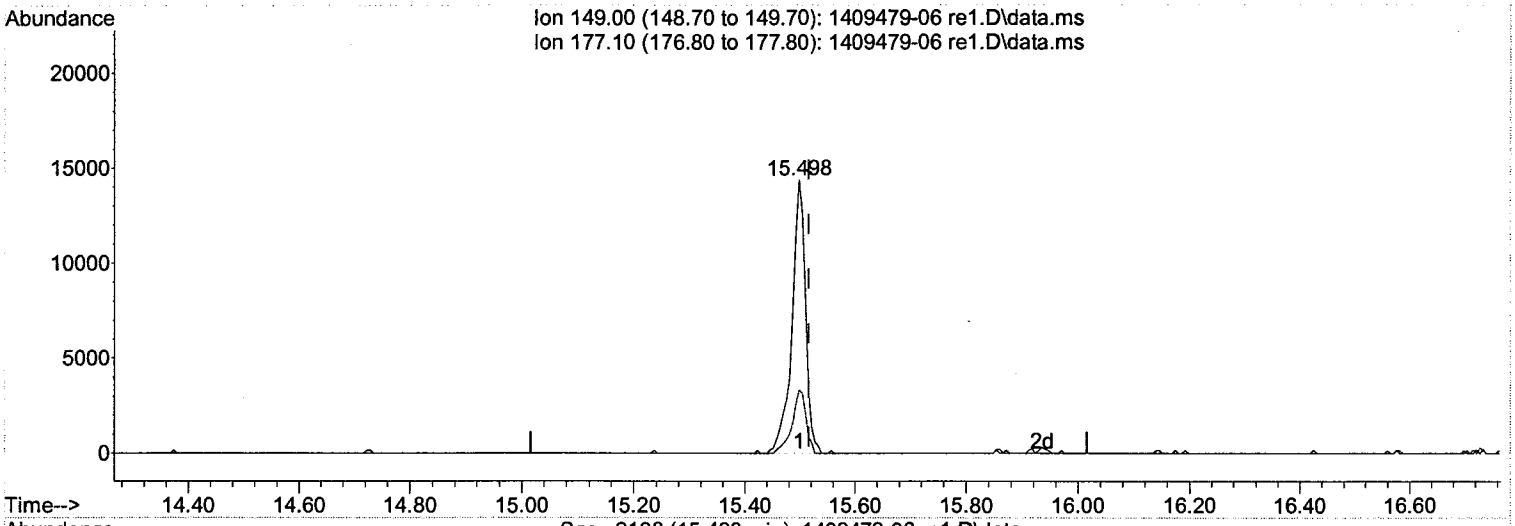
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	69.72
77.10	74.70	75.04
0.00	0.00	0.00

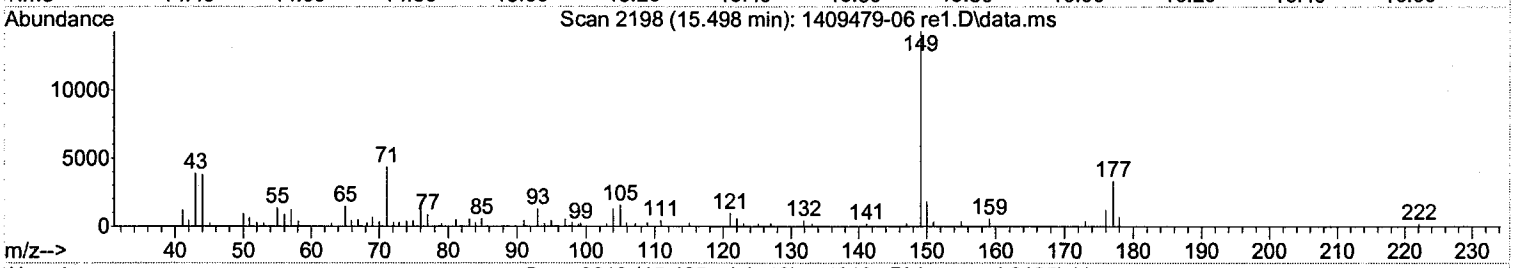
002739

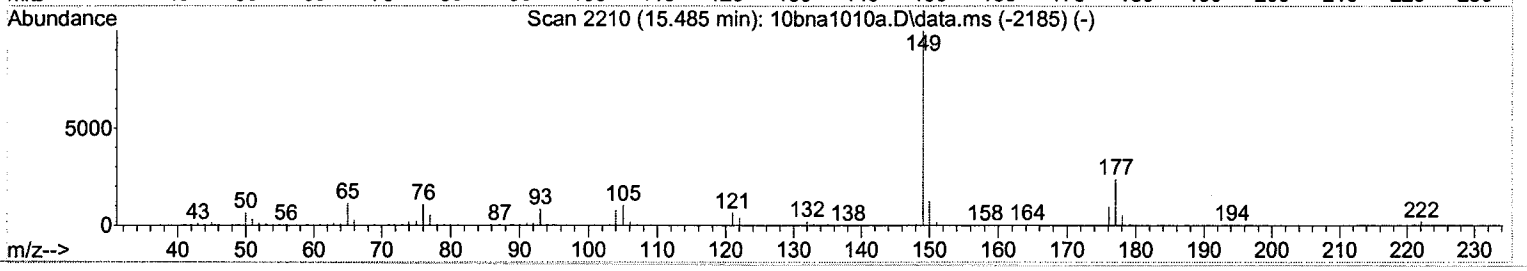
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 14:58:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-06 re1.D\data.ms

(63) Diethyl Phthalate

15.498min (-0.017) 0.15 ng/uL

response 24831

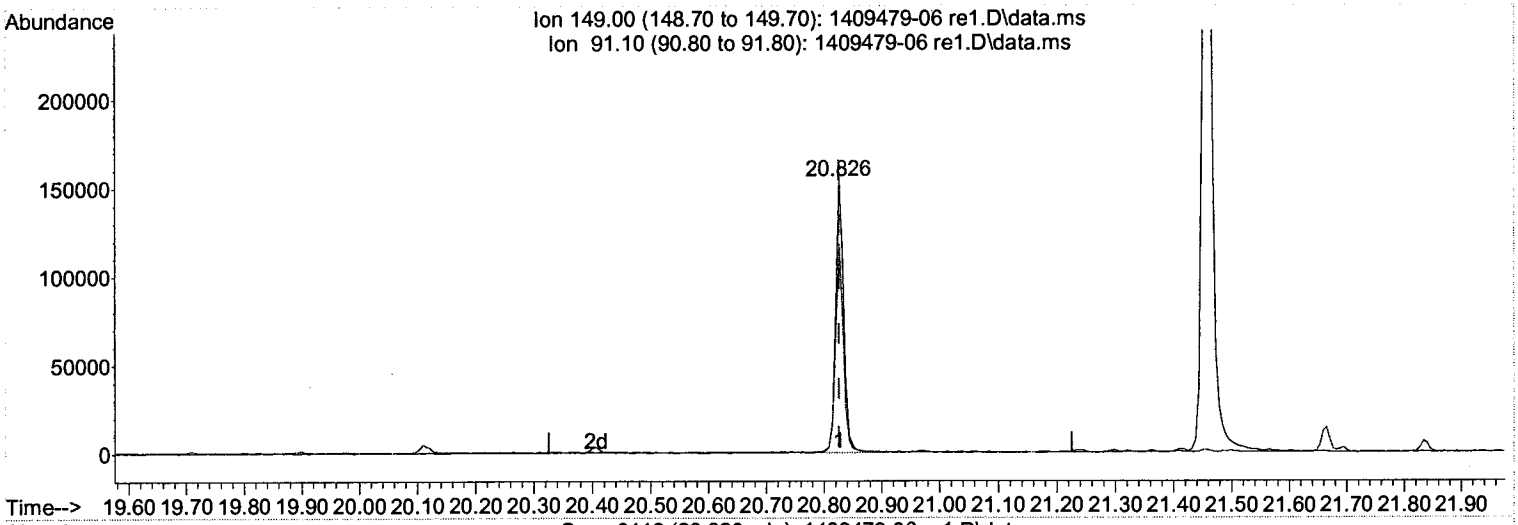
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	23.95
0.00	0.00	0.00
0.00	0.00	0.00

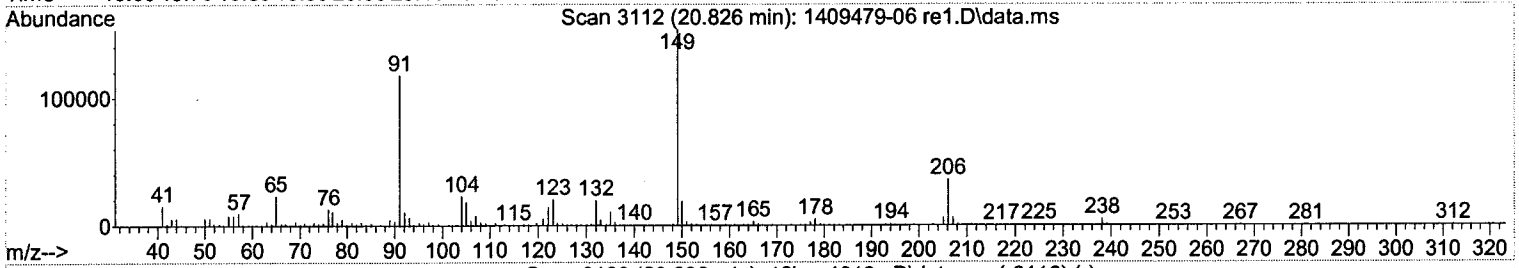
002740

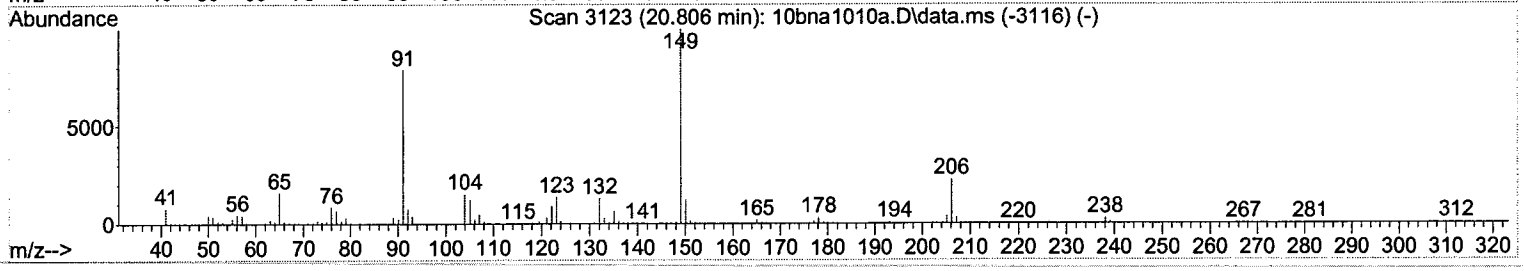
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 14:58:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-06 re1.D\data.ms

(83) Butyl Benzyl Phthalate

20.826min (+ 0.000) 1.75 ng/uL

response 150724

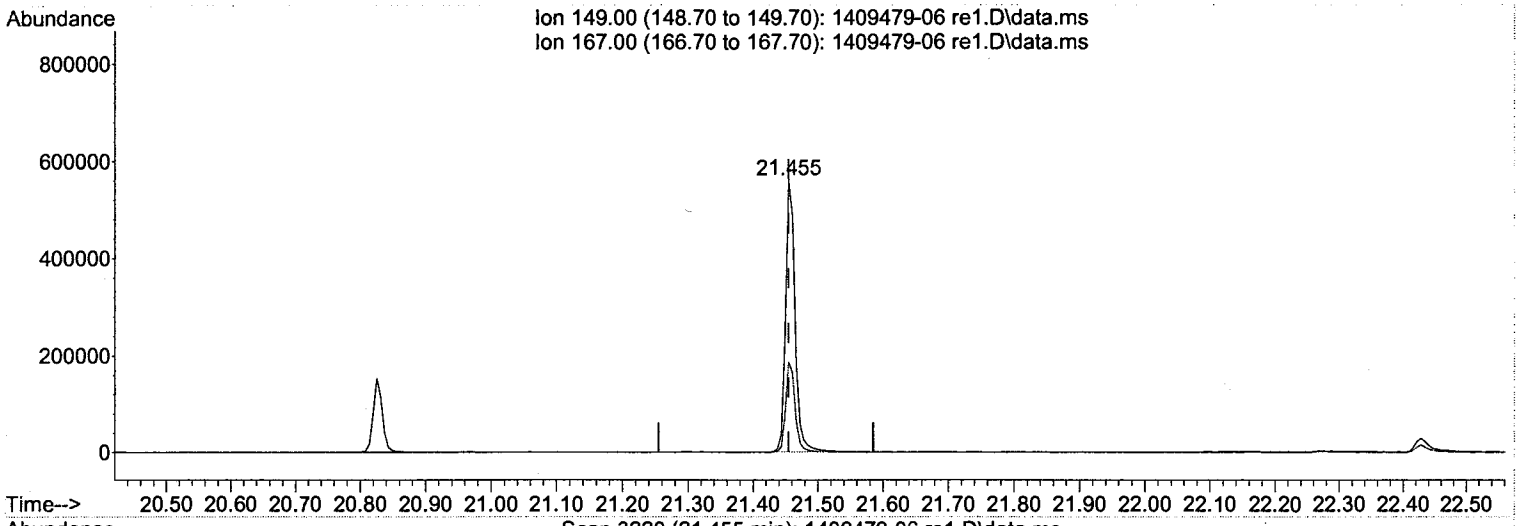
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	74.85
0.00	0.00	0.00
0.00	0.00	0.00

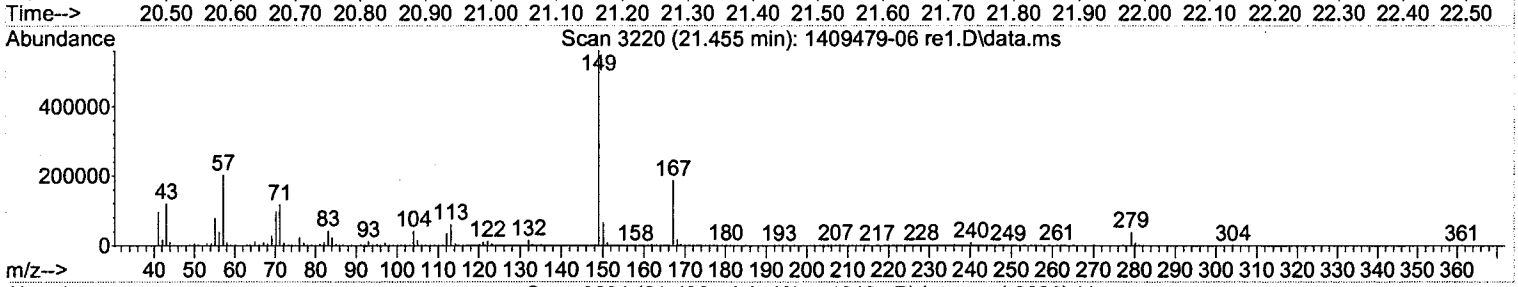
002741

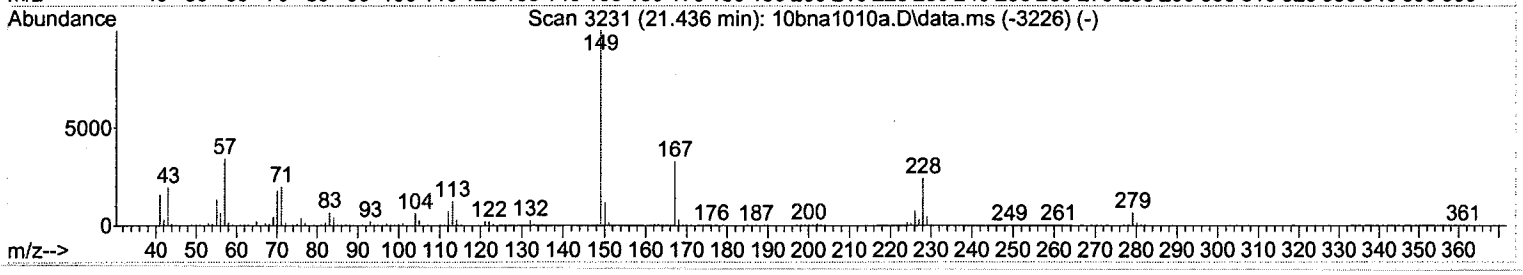
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 14:58:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-06 re1.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.455min (+ 0.000) 5.18 ng/uL

response 571544

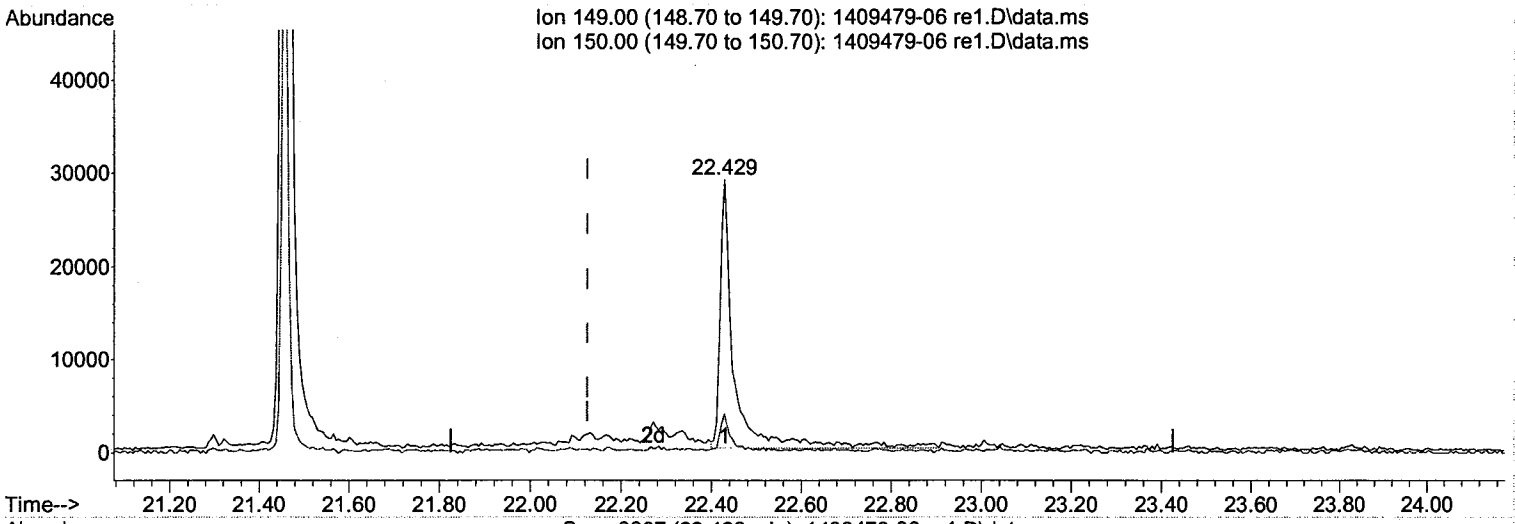
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.17
0.00	0.00	0.00
0.00	0.00	0.00

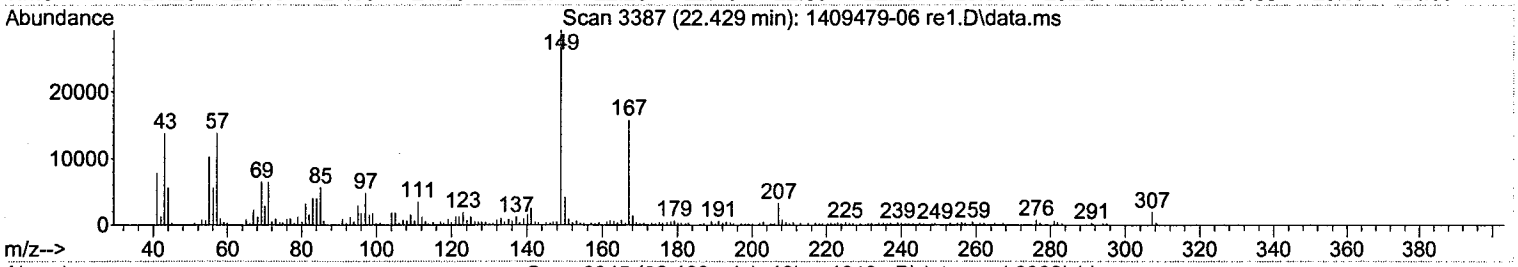
002742

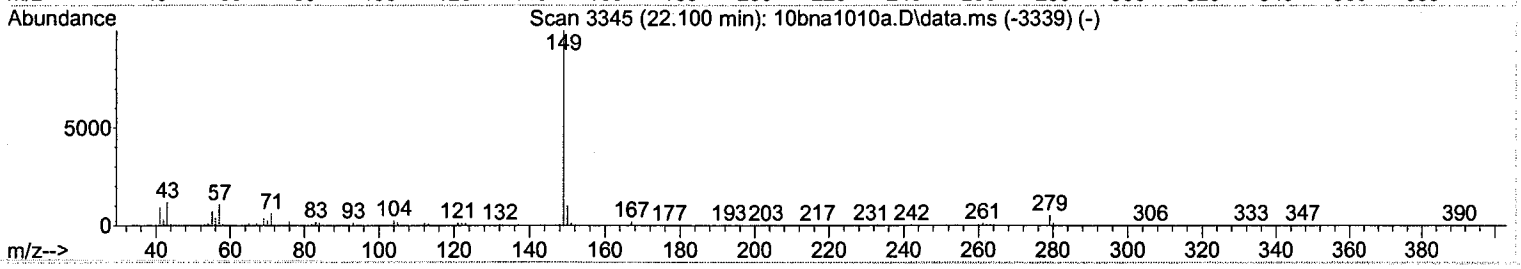
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 14:58:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-06 re1.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.429min (+ 0.303) 0.65 ng/uL

response 63417

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	9.44
0.00	0.00	0.00
0.00	0.00	0.00

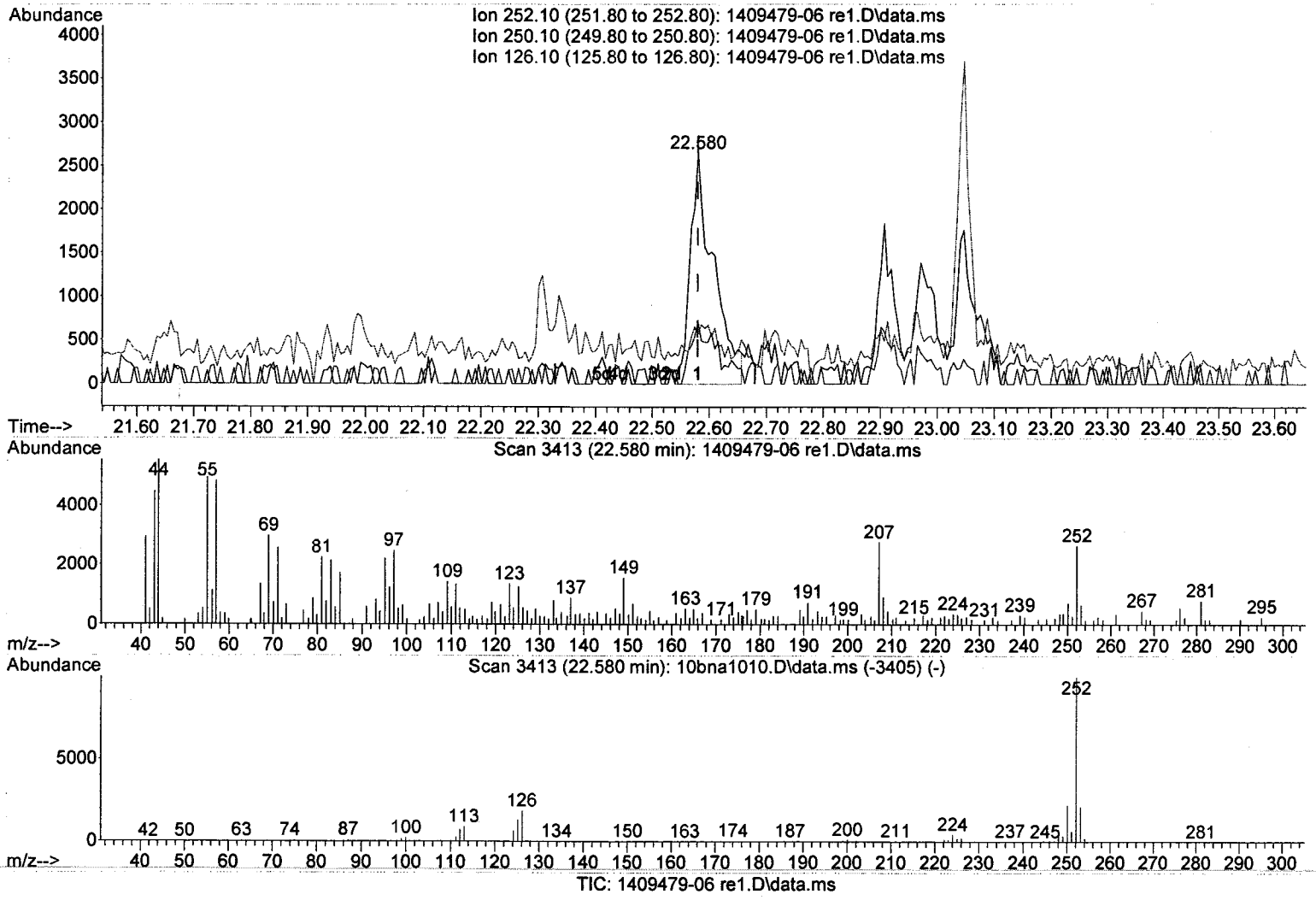
RT

002743

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 14:58:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



TIC: 1409479-06 re1.D\data.ms

(90) Benzo(b)fluoroanthene

22.580min (+ 0.000) 0.06 ng/uL

response 7460

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	26.86
126.10	17.20	18.31
0.00	0.00	0.00

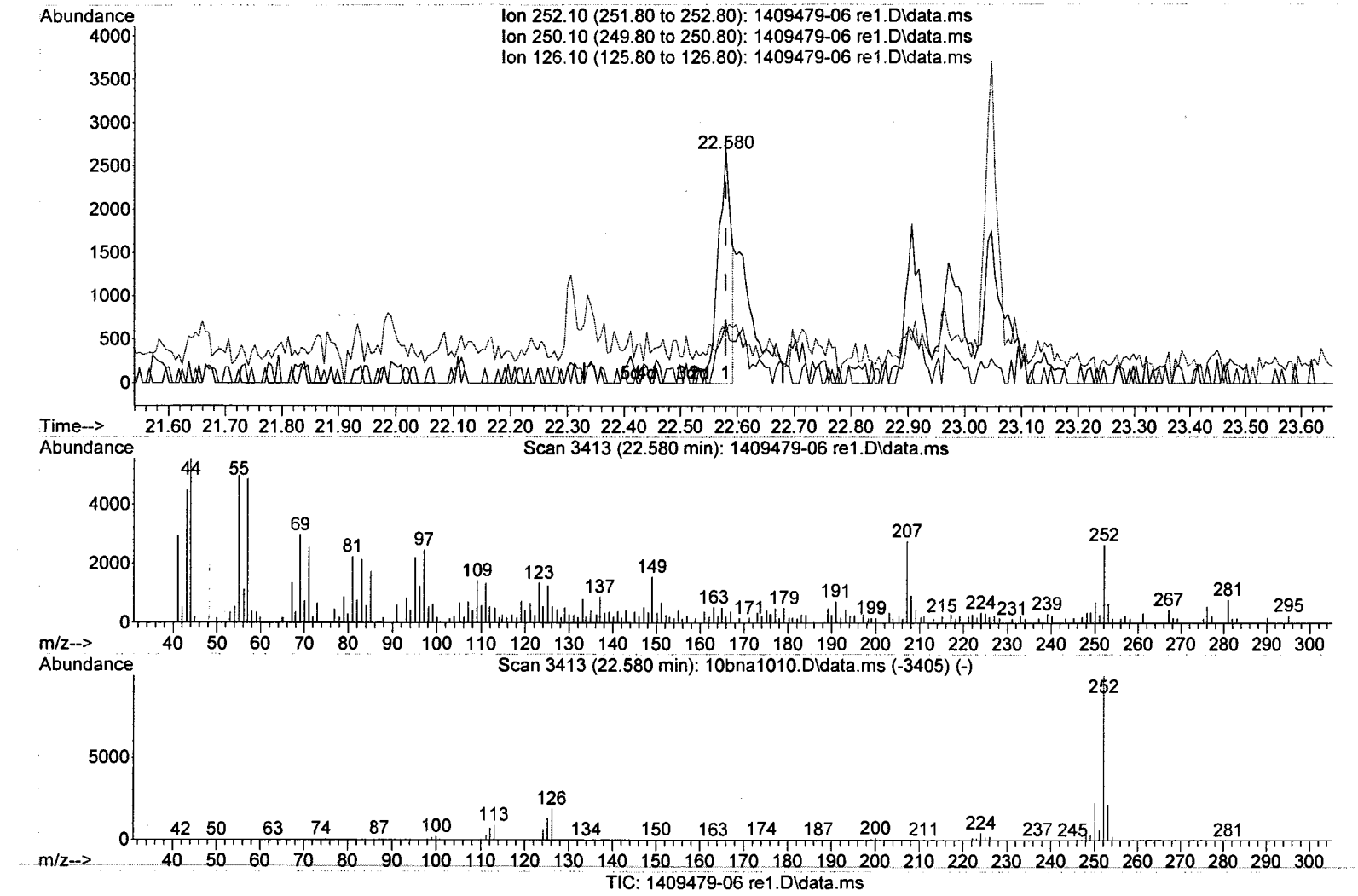
JWS 10/15/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 14:58:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



TIC: 1409479-06 re1.D\data.ms

(90) Benzo(b)fluoroanthene

22.580min (+ 0.000) 0.04 ng/uL m

response 4284

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	46.78#
126.10	17.20	31.89#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: Yes / No
Analyst: JWS Date: 10/15/14
Reviewed By: DWS Date: 10-17-14

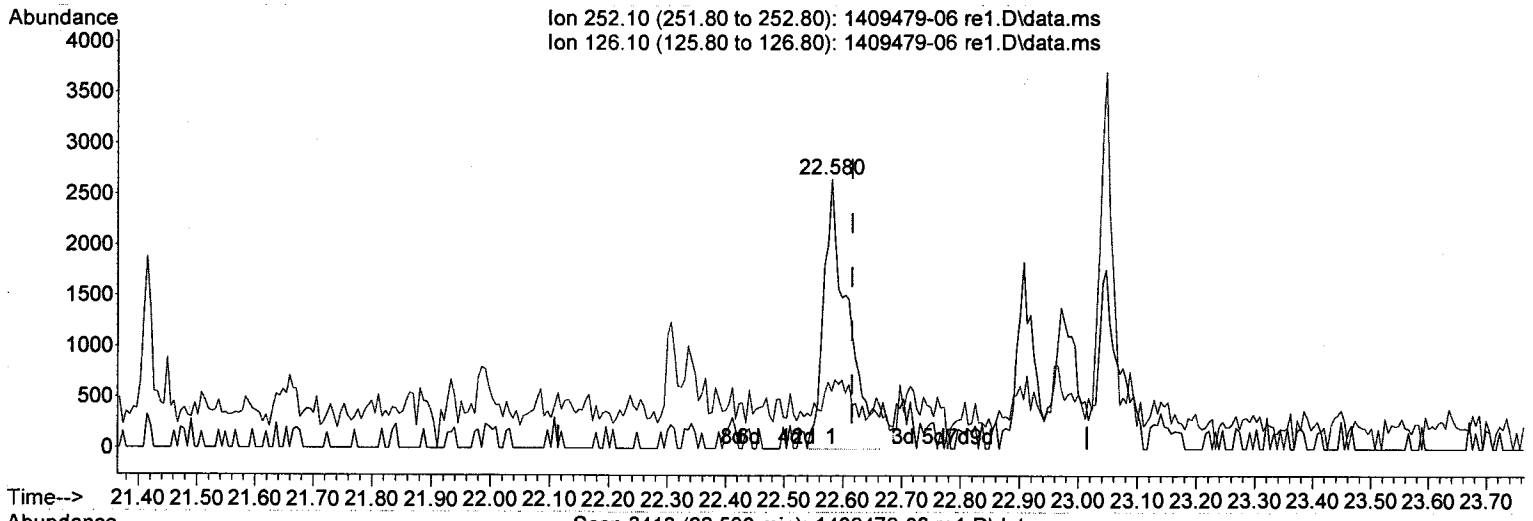
CMDL

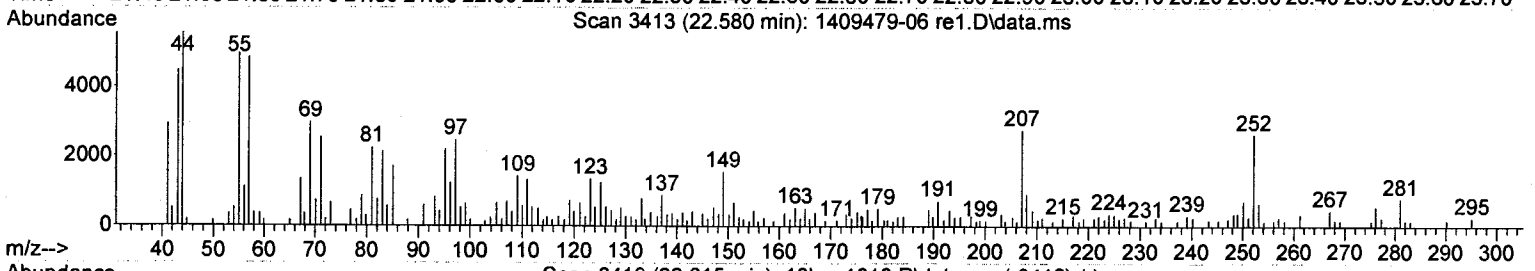
002745

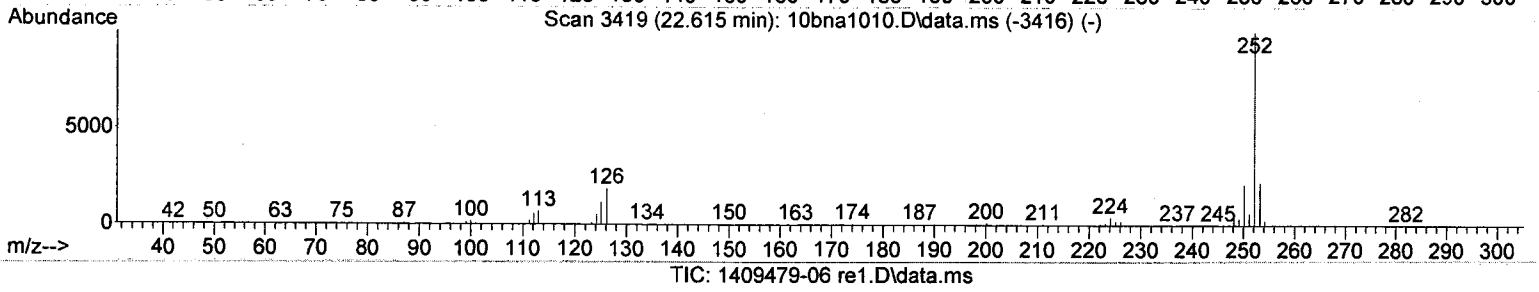
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 14:58:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-06 re1.D\data.ms

(91) Benzo(k)fluoranthene

22.580min (-0.035) 0.06 ng/uL

response 7980

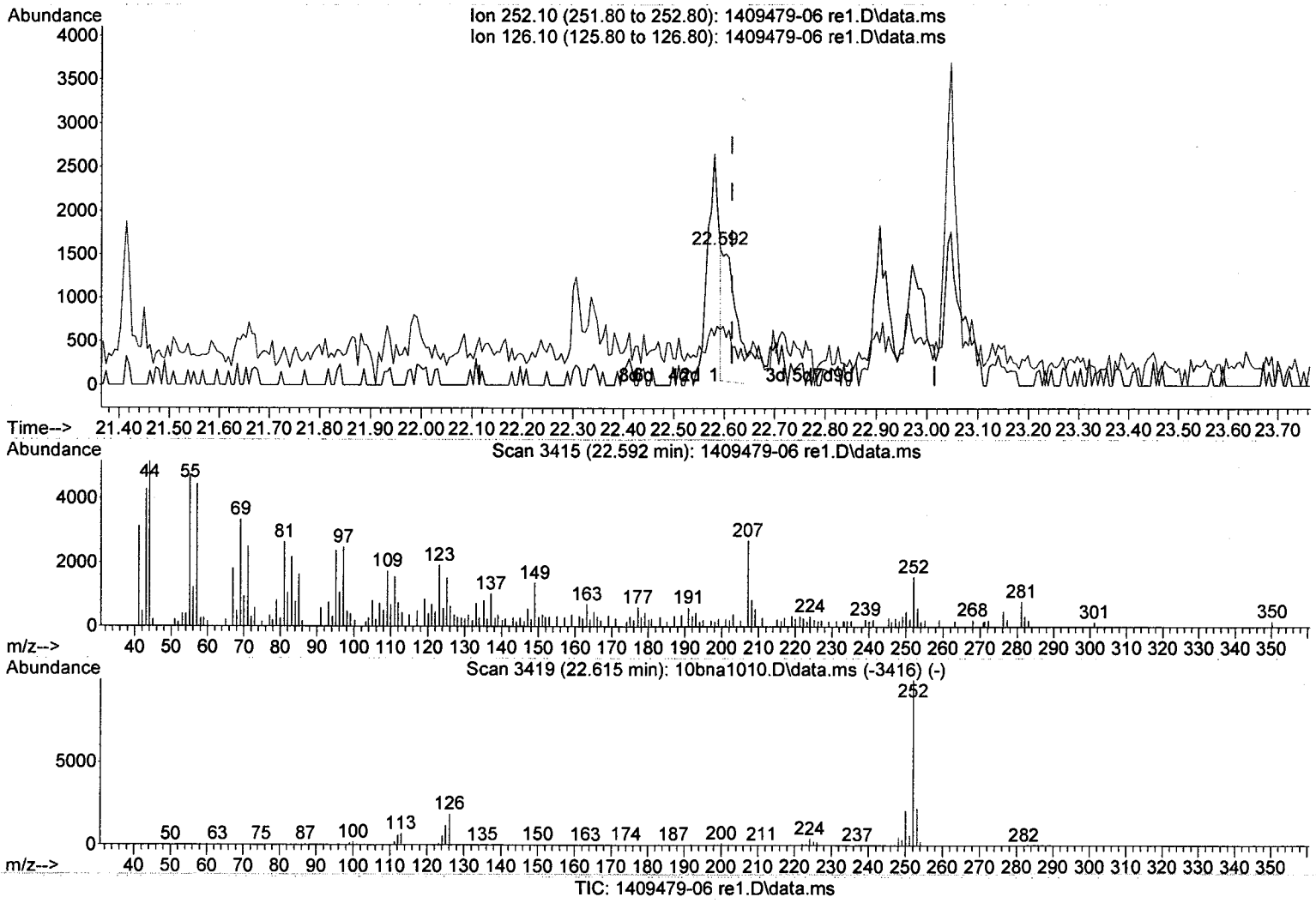
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	17.12
0.00	0.00	0.00
0.00	0.00	0.00

JWS 10/15/14
DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-06 re1.D
Acq On : 10 Oct 2014 11:59
Operator : JLB
Sample : 1409479-06 re1 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 14:58:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.592min (-0.023) 0.02 ng/uL m

response 2741

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	49.84#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: DWG Date: 10-17-14

< MDL

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB03-12

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-08
File ID: 1409479-08 10x.D
Sampled: 09/25/14 11:30
Prepared: 10/01/14 07:29
Analyzed: 10/14/14 18:24
Solids: 97.30
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410496
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	170	48	170	170	U
208-96-8	Acenaphthylene	10	170	43	170	170	U
120-12-7	Anthracene	10	170	41	170	170	U
56-55-3	Benzo(a)anthracene	10	86	28	86	170	U
50-32-8	Benzo(a)pyrene	10	25	24	86	170	J
205-99-2	Benzo(b)fluoranthene	10	39	20	86	170	J
207-08-9	Benzo(k)fluoranthene	10	86	20	86	170	U
191-24-2	Benzo(g,h,i)perylene	10	86	19	86	340	U
65-85-0	Benzoic Acid	10	1700	710	1700	3400	U
100-51-6	Benzyl Alcohol	10	170	47	170	170	U
101-55-3	4-Bromophenyl Phenyl Ether	10	170	42	170	170	U
85-68-7	Butyl Benzyl Phthalate	10	78	41	170	340	J
86-74-8	Carbazole	10	170	41	170	1700	U
59-50-7	4-Chloro-3-methylphenol	10	170	51	170	170	U
106-47-8	4-Chloroaniline	10	170	91	170	690	U
111-91-1	Bis(2-chloroethoxy)methane	10	170	42	170	170	U
111-44-4	Bis(2-chloroethyl) Ether	10	170	41	170	170	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	86	38	86	170	U
91-58-7	2-Chloronaphthalene	10	170	50	170	170	U
95-57-8	2-Chlorophenol	10	170	40	170	170	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	170	39	170	170	U
218-01-9	Chrysene	10	170	40	170	170	U
53-70-3	Dibenz(a,h)anthracene	10	86	20	86	340	U
132-64-9	Dibenzofuran	10	170	50	170	170	U
84-74-2	Di-n-butyl Phthalate	10	340	140	340	690	U
106-46-7	1,4-Dichlorobenzene	10	170	50	170	170	U
95-50-1	1,2-Dichlorobenzene	10	170	56	170	170	U
541-73-1	1,3-Dichlorobenzene	10	170	58	170	170	U
91-94-1	3,3´-Dichlorobenzidine	10	6800	2900	6800	8600	U
120-83-2	2,4-Dichlorophenol	10	170	42	170	340	U
84-66-2	Diethyl Phthalate	10	170	50	170	170	U
105-67-9	2,4-Dimethylphenol	10	1400	370	1400	1700	U
131-11-3	Dimethyl Phthalate	10	170	49	170	170	U
534-52-1	4,6-Dinitro-2-methylphenol	10	680	220	680	1700	U
51-28-5	2,4-Dinitrophenol	10	1700	570	1700	1700	U
606-20-2	2,6-Dinitrotoluene	10	86	41	86	170	U
121-14-2	2,4-Dinitrotoluene	10	86	34	86	340	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB03-12

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-08
File ID: 1409479-08 10x.D
Sampled: 09/25/14 11:30
Prepared: 10/01/14 07:29
Analyzed: 10/14/14 18:24
Solids: 97.30
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410496
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	170	40	170	170	U
122-66-7	1,2-Diphenylhydrazine	10	86	35	86	170	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	430	120	170	340	B
206-44-0	Fluoranthene	10	170	46	170	170	U
86-73-7	Fluorene	10	170	41	170	340	U
118-74-1	Hexachlorobenzene	10	170	49	170	170	U
87-68-3	Hexachlorobutadiene	10	170	47	170	170	U
67-72-1	Hexachloroethane	10	170	51	170	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	86	28	86	340	U
78-59-1	Isophorone	10	170	40	170	170	U
91-57-6	2-Methylnaphthalene	10	170	47	170	170	U
108-39-4	3+4-Methylphenol	10	86	38	86	170	U
95-48-7	2-Methylphenol	10	86	36	86	170	U
91-20-3	Naphthalene	10	170	58	170	170	U
100-01-6	4-Nitroaniline	10	690	250	690	3400	U
88-74-4	2-Nitroaniline	10	86	37	86	170	U
99-09-2	3-Nitroaniline	10	340	170	340	3400	U
98-95-3	Nitrobenzene	10	170	47	170	170	U
88-75-5	2-Nitrophenol	10	170	46	170	170	U
100-02-7	4-Nitrophenol	10	3400	1000	3400	6900	U
62-75-9	N-Nitroso-dimethylamine	10	69	34	69	340	U
86-30-6	N-Nitroso-diphenylamine	10	86	35	86	170	U
621-64-7	N-Nitroso-di-n-propylamine	10	170	42	170	170	U
87-86-5	Pentachlorophenol	10	170	140	170	1700	U
85-01-8	Phenanthrene	10	170	42	170	170	U
108-95-2	Phenol	10	170	40	170	1700	U
129-00-0	Pyrene	10	170	44	170	170	U
120-82-1	1,2,4-Trichlorobenzene	10	170	46	170	170	U
95-95-4	2,4,5-Trichlorophenol	10	170	46	170	170	U
88-06-2	2,4,6-Trichlorophenol	10	86	26	86	170	U

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	506109	7.574	403279	7.614	
Naphthalene-d8	1957043	10.307	1529030	10.359	
Acenaphthene-d10	1068730	14.411	866604	14.474	
Phenanthrene-d10	1576791	17.844	1400442	17.901	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB03-12

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-08
File ID: 1409479-08 10x.D
Sampled: 09/25/14 11:30
Prepared: 10/01/14 07:29
Analyzed: 10/14/14 18:24
Solids: 97.30
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410496
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

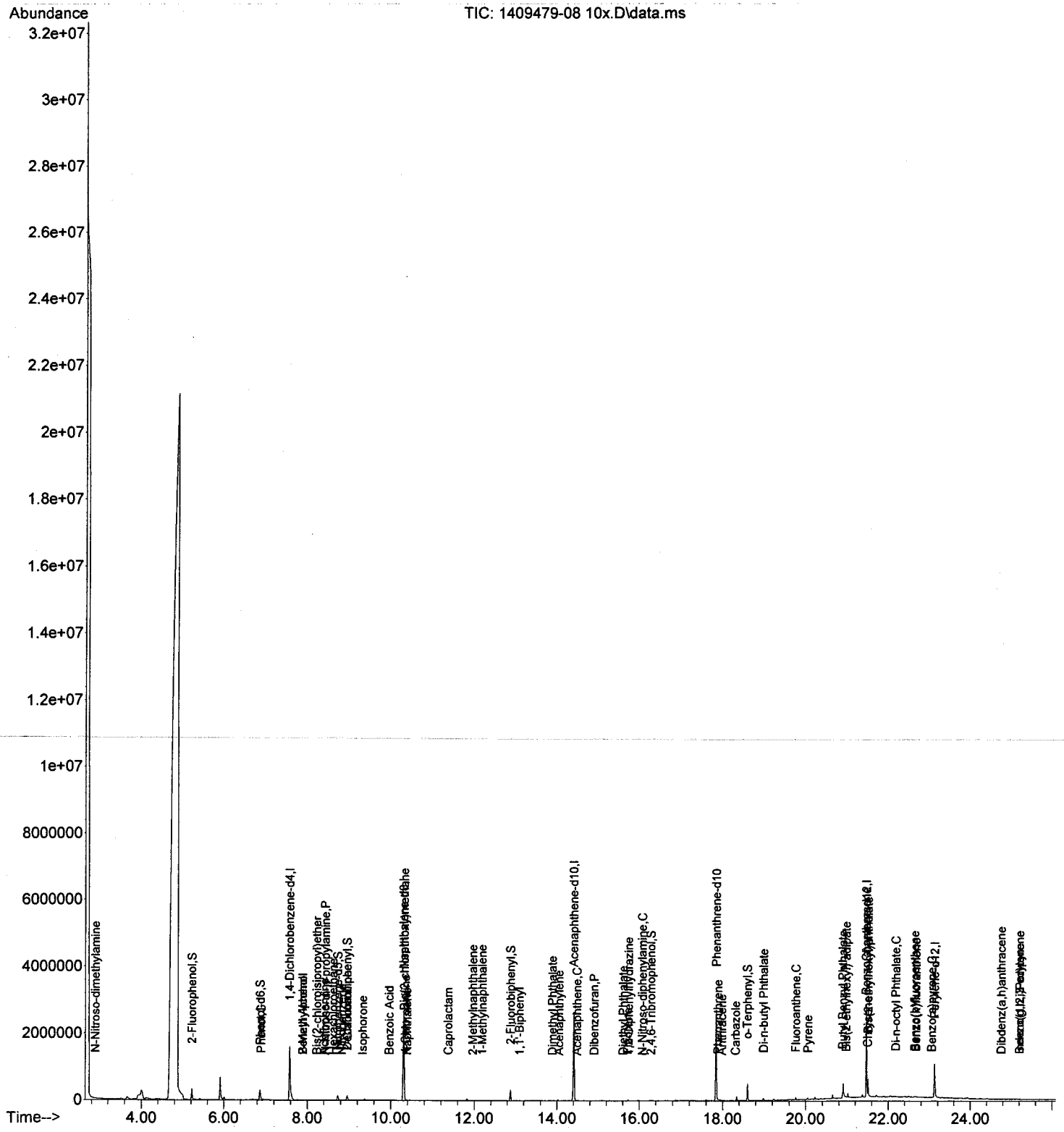
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chrysene-d12	1063331	21.469	1153654	21.538	
Perylene-d12	566169	23.125	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-08 10x.D
Acq On : 14 Oct 2014 18:24
Operator : JLB
Sample : 1409479-08 10x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:07:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-08 10x.D
Acq On : 14 Oct 2014 18:24
Operator : JLB
Sample : 1409479-08 10x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:07:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.574	152	506109	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.307	136	1957043	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.411	164	1068730	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.844	188	1576791	5.00	ng/uL	0.00
81) Chrysene-d12	21.469	240	1063331	5.00	ng/uL	# 0.00
89) Perylene-d12	23.125	264	566169	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.219	112	159169	1.38	ng/uL	0.07
6) Phenol-d6	6.869	99	214750	1.43	ng/uL	0.00
21) Nitrobenzene-d5	8.728	82	82955	0.66	ng/uL	-0.02
23) Decafluorobiphenyl	8.955	334	61183	0.70	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.878	172	173151	0.78	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.282	330	3598	0.15	ng/uL	-0.02
78) o-Terphenyl	18.602	230	114131	0.84	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.888	74	540	0.01	ng/uL#	1
3) Pyridine	0.000		0	N.D.		
5) Aniline	0.000		0	N.D.		
7) Phenol	6.892	94	3102	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.232	45	141	0.00	ng/uL#	51
14) Benzyl Alcohol	7.889	108	1039	0.01	ng/uL	98
15) 2-Methylphenol	7.889	108	1039	0.01	ng/uL#	71
16) Acetophenone	8.413	105	358	0.00	ng/uL#	59
17) Hexachloroethane	8.617	119	78	0.00	ng/uL#	3
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.436	70	128	0.00	ng/uL#	1
22) Nitrobenzene	8.827	77	61	0.00	ng/uL#	30
24) Isophorone	9.328	82	245	0.00	ng/uL#	58
25) 2-Chloroaniline	8.955	127	765	0.00	ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	10.319	93	923	0.01	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.964	105	111	~~2.46~~ PP	ng/uL#	11
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.389	128	60	0.00	ng/uL#	74
33) 4-Chloroaniline	10.348	127	137	0.00	ng/uL#	27
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.374	55	1576	0.03	ng/uL#	21
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 2-Methylnaphthalene	11.963	142	2142	0.01	ng/uL	98
40) 1-Methylnaphthalene	12.190	142	1698	0.01	ng/uL#	93
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-08 10x.D
Acq On : 14 Oct 2014 18:24
Operator : JLB
Sample : 1409479-08 10x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:07:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	0.000		0	N.D.	
49) 1,1'-Biphenyl	13.094	154	458	0.00 ng/uL#	73
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.055	152	60	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.892	163	1090	0.00 ng/uL#	60
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.487	153	666	0.00 ng/uL#	82
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.906	168	759	0.00 ng/uL	99
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.722	166	777	0.00 ng/uL#	44
63) Diethyl Phthalate	15.606	149	1774	0.01 ng/uL#	90
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.	
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.072	169	608	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	15.746	182	54	0.00 ng/uL	79
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	0.000		0	N.D.	
75) Phenanthrene	17.885	178	12552	0.04 ng/uL	99
76) Anthracene	17.978	178	1859	0.01 ng/uL#	92
77) Carbazole	18.310	167	1296	0.01 ng/uL	93
79) Di-n-butyl Phthalate	18.986	149	45729	0.15 ng/uL	100
80) Fluoroanthene	19.761	202	18657	0.06 ng/uL	95
82) Pyrene	20.053	202	21200	0.08 ng/uL#	90
83) Butyl Benzyl Phthalate	20.886	149	22305	0.22 ng/uL	99
84) Bis(2-ethylhexyl) adipate	20.980	129	846	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.463	228	12605	0.07 ng/uL#	46
86) Chrysene	21.498	228	11029	0.06 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.510	149	154595	1.21 ng/uL	92
88) Di-n-octyl Phthalate	22.180	149	2727m	0.35 ng/uL	
90) Benzo(b)fluoroanthene	22.641	252	11024	0.11 ng/uL#	75
91) Benzo(k)fluoranthene	22.676	252	6206	0.05 ng/uL	97
92) Benzo(a)pyrene	23.055	252	6918	0.07 ng/uL#	81
93) Indeno(1,2,3-cd)pyrene	25.205	276	2733	0.03 ng/uL#	83
94) Dibdenz(a,h)anthracene	24.757	278	1138	0.02 ng/uL#	88
95) Benzo(g,h,i)Perylene	25.205	276	2733	0.04 ng/uL#	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

002753

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-08 10x.D
Acq On : 14 Oct 2014 18:24
Operator : JLB
Sample : 1409479-08 10x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 07:51:12 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration

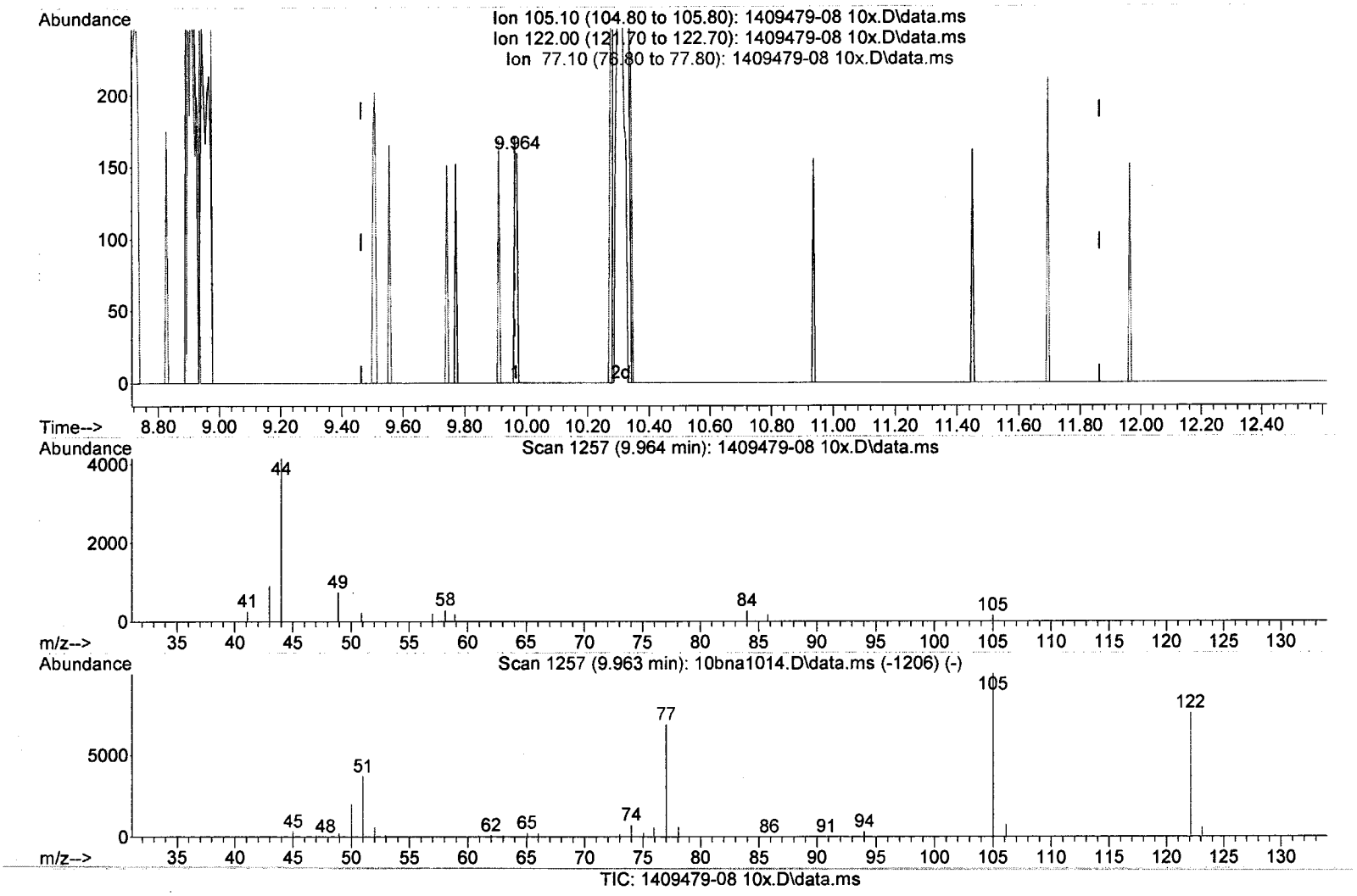
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.574	152	498250	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.307	136	1957043	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.411	164	1067399	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.844	188	1578838	5.00	ng/uL	0.00
19) Chrysene-d12	21.469	240	1063331	5.00	ng/uL	# 0.00
22) Perylene-d12	23.125	264	569332	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.888	74	540	0.01	ng/uL#	1
3) Pyridine	2.829	79	191	0.00	ng/uL#	1
4) Aniline	0.000		0	N.D.		
5) Benzaldehyde	6.729	105	1312	0.01	ng/uL#	1
6) Acetophenone	8.413	105	358	0.00	ng/uL#	59
7) N-Nitroso-di-n-propyla...	8.436	70	128	0.00	ng/uL#	1
9) 4-Chloroaniline	10.348	127	137	0.01	ng/uL#	27
10) Caprolactam	11.275	55	661	0.11	ng/uL#	34
12) 1,1'-Biphenyl	13.094	154	458	0.00	ng/uL#	73
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	16.072	169	608	0.00	ng/uL#	26
18) Atrazine	0.000		0	N.D.		
20) Benzidine	19.989	184	153	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.440	252	205	0.00	ng/uL#	52

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-08 10x.D
Acq On : 14 Oct 2014 18:24
Operator : JLB
Sample : 1409479-08 10x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:06:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-08 10x.D\data.ms

(30) Benzoic Acid

9.964min (+ 0.000) 2.46 ng/uL

response 111

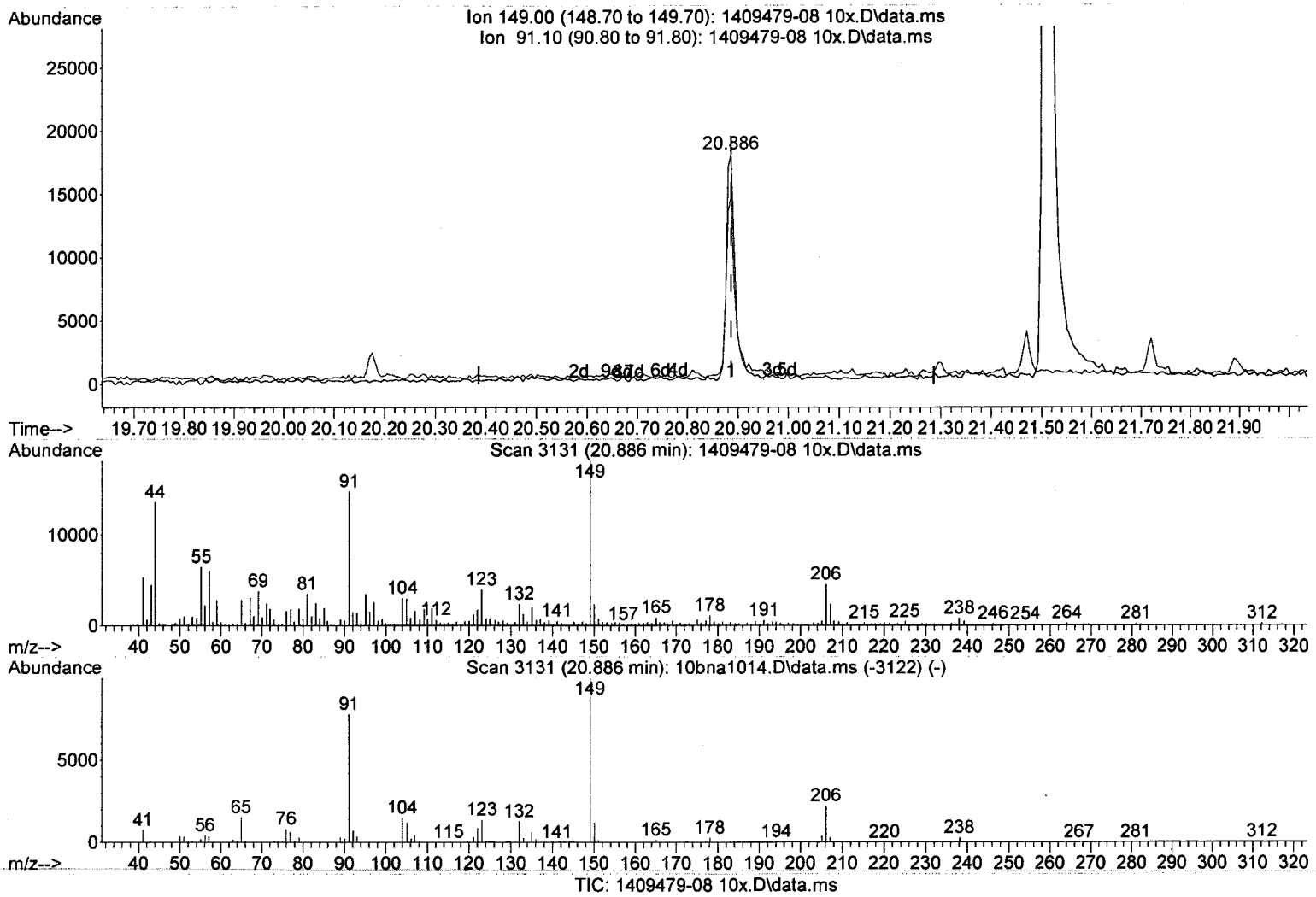
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

PP

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-08 10x.D
Acq On : 14 Oct 2014 18:24
Operator : JLB
Sample : 1409479-08 10x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:06:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.886min (+ 0.000) 0.22 ng/uL

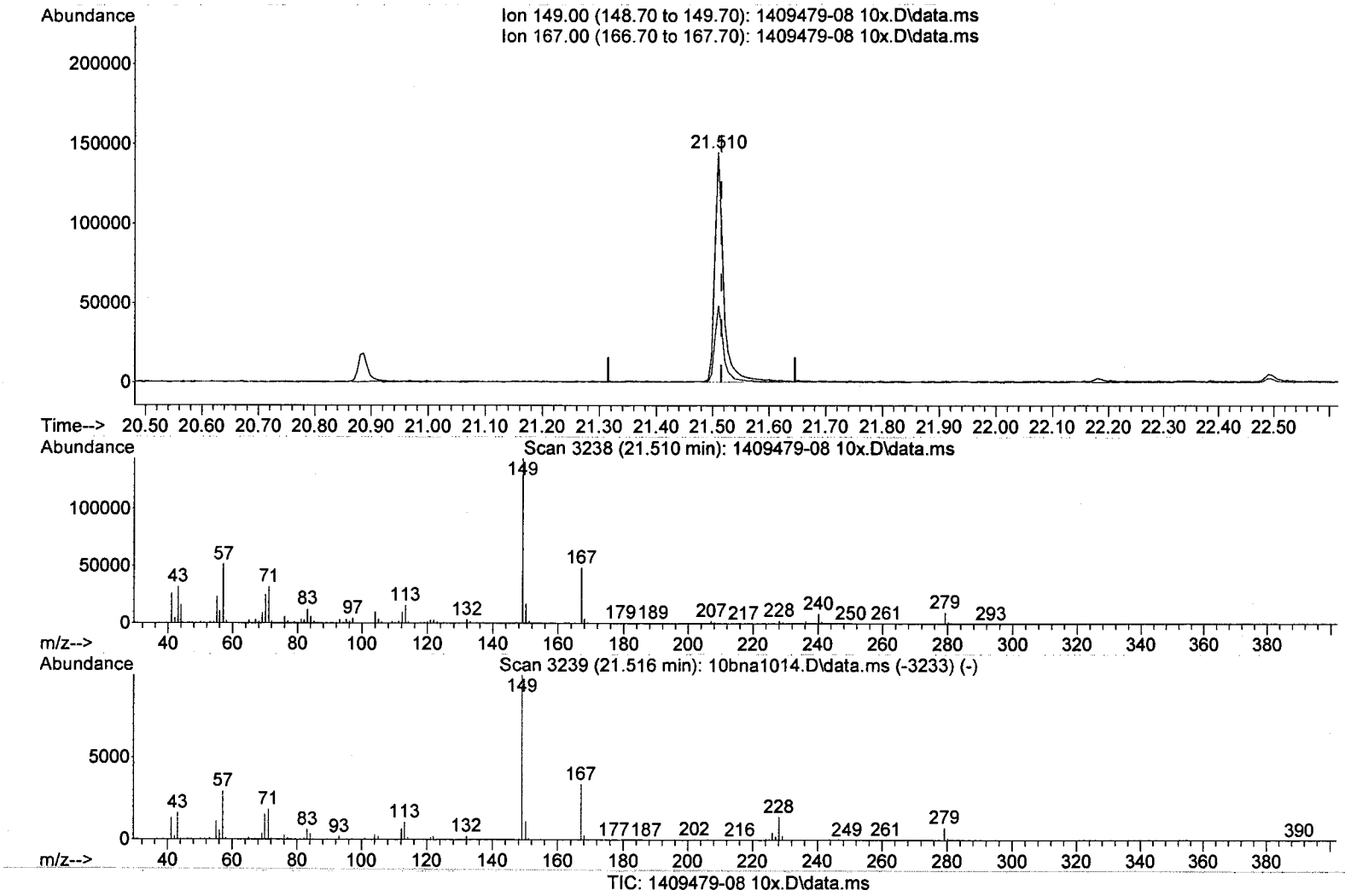
response 22305

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	83.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-08 10x.D
Acq On : 14 Oct 2014 18:24
Operator : JLB
Sample : 1409479-08 10x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:06:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-08 10x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.510min (-0.006) 1.21 ng/uL

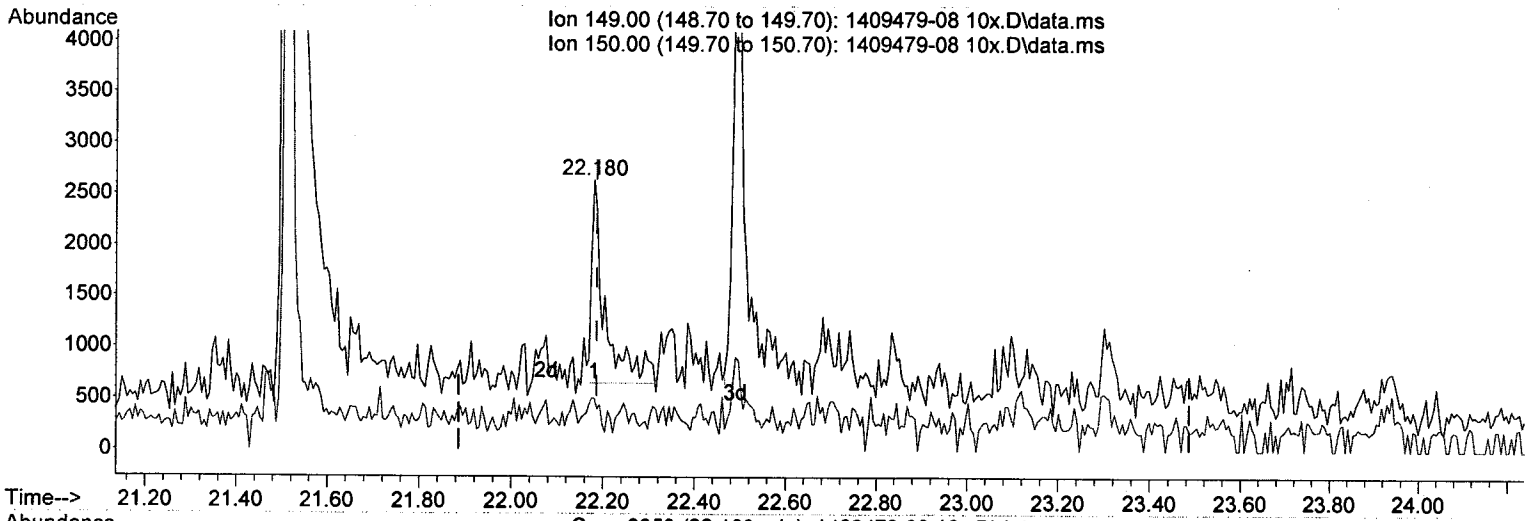
response 154595

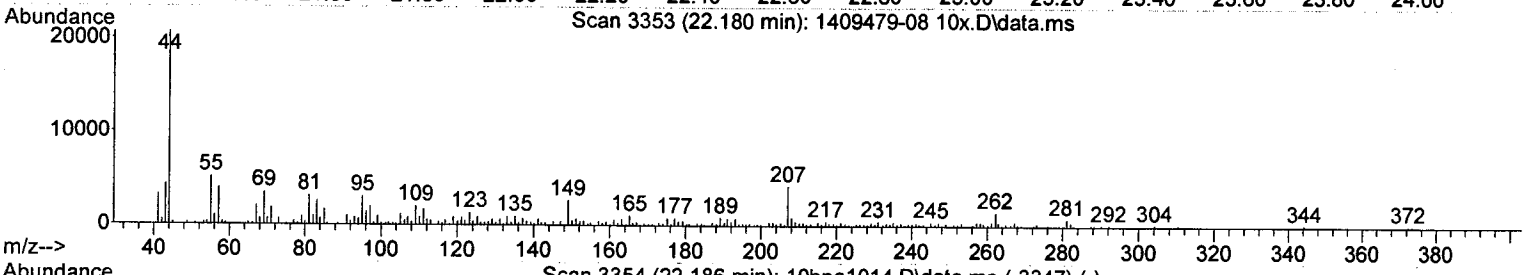
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.42
0.00	0.00	0.00
0.00	0.00	0.00

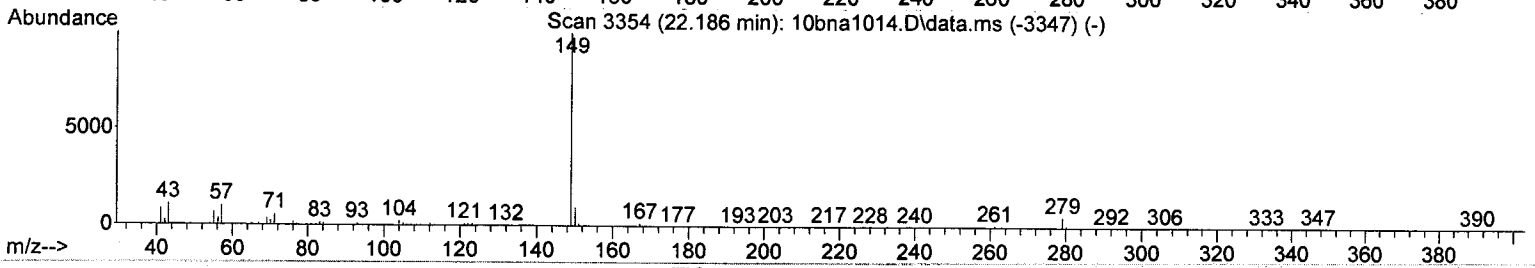
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-08 10x.D
Acq On : 14 Oct 2014 18:24
Operator : JLB
Sample : 1409479-08 10x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:06:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1409479-08 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.180min (-0.006) 0.37 ng/uL

response 6203

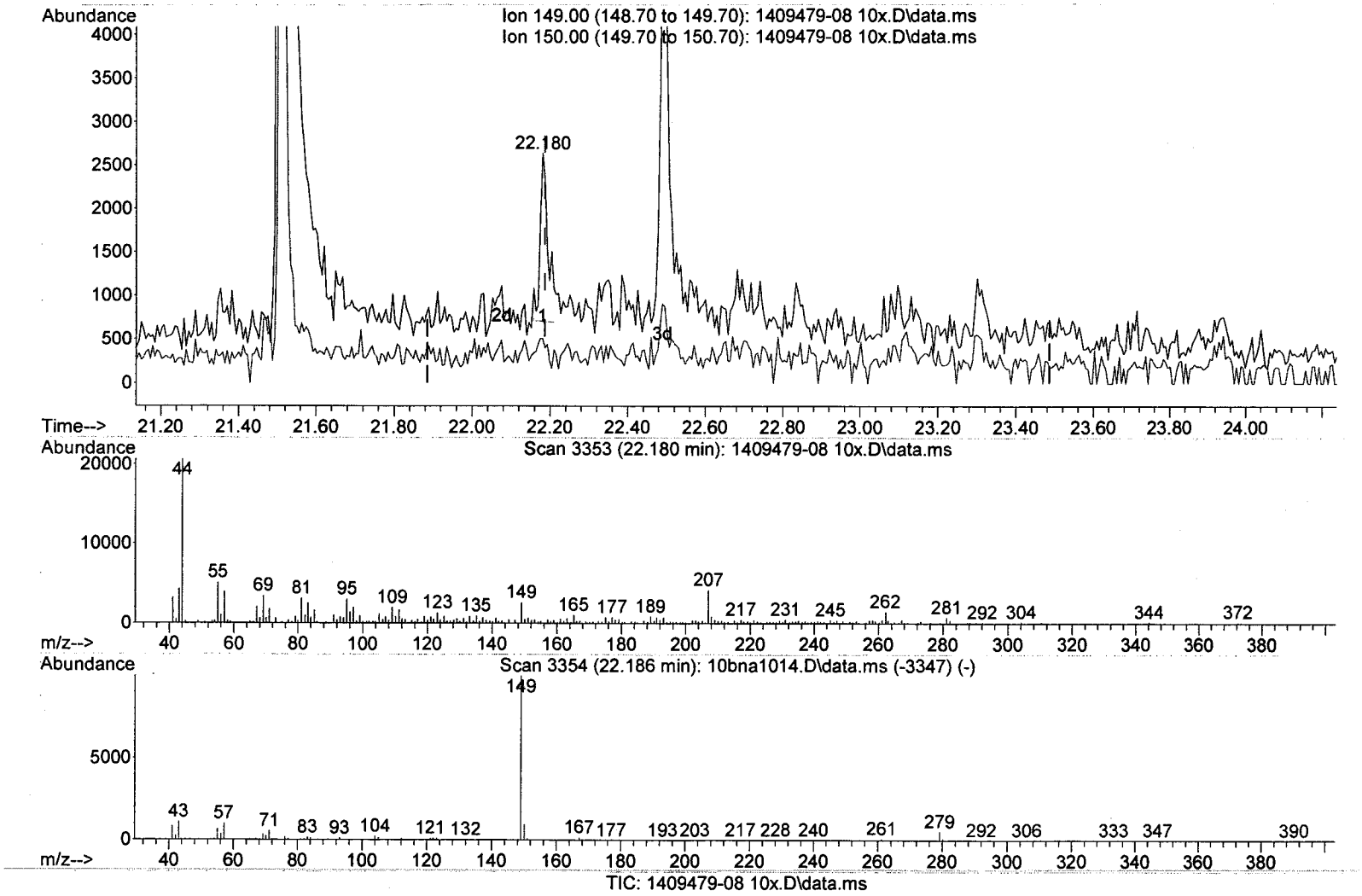
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	10.74
0.00	0.00	0.00
0.00	0.00	0.00

Jwb 10/15/14
DWS
10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-08 10x.D
Acq On : 14 Oct 2014 18:24
Operator : JLB
Sample : 1409479-08 10x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:06:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-08 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.180min (-0.006) 0.35 ng/uL m

response 2727

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	24.42#
0.00	0.00	0.00
0.00	0.00	0.00

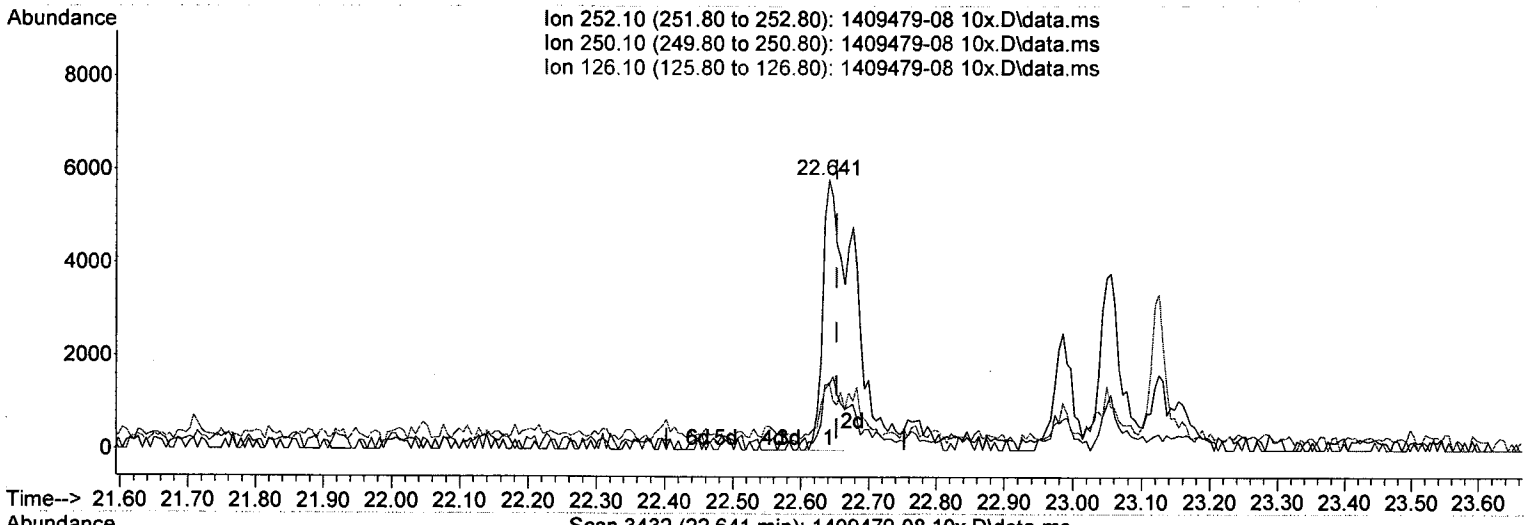
Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JWS Date: 10/15/14
Reviewed By: DWS Date: 10-17-14

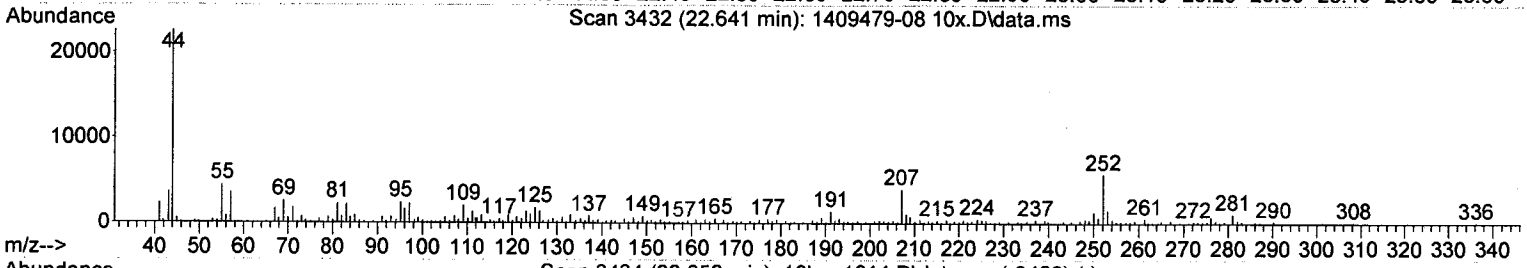
pp

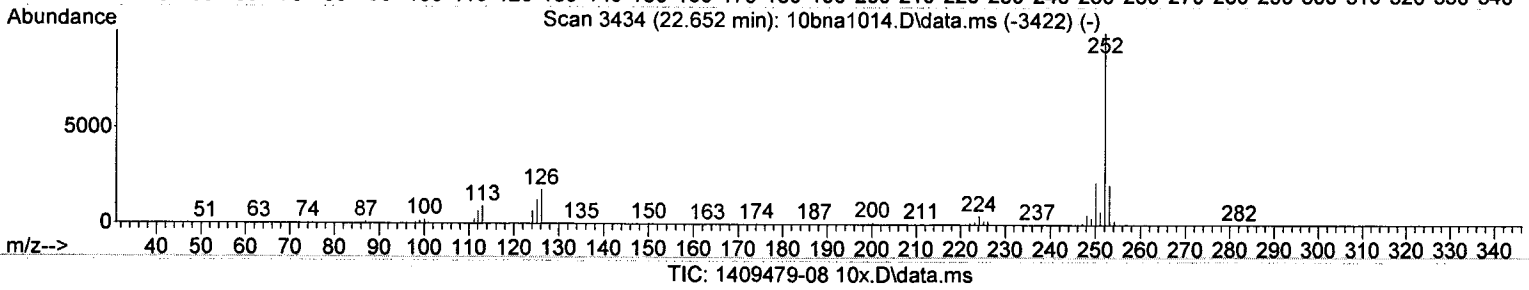
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-08 10x.D
Acq On : 14 Oct 2014 18:24
Operator : JLB
Sample : 1409479-08 10x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:06:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1409479-08 10x.D\data.ms

(90) Benzo(b)fluoroanthene

22.641min (-0.011) 0.11 ng/uL

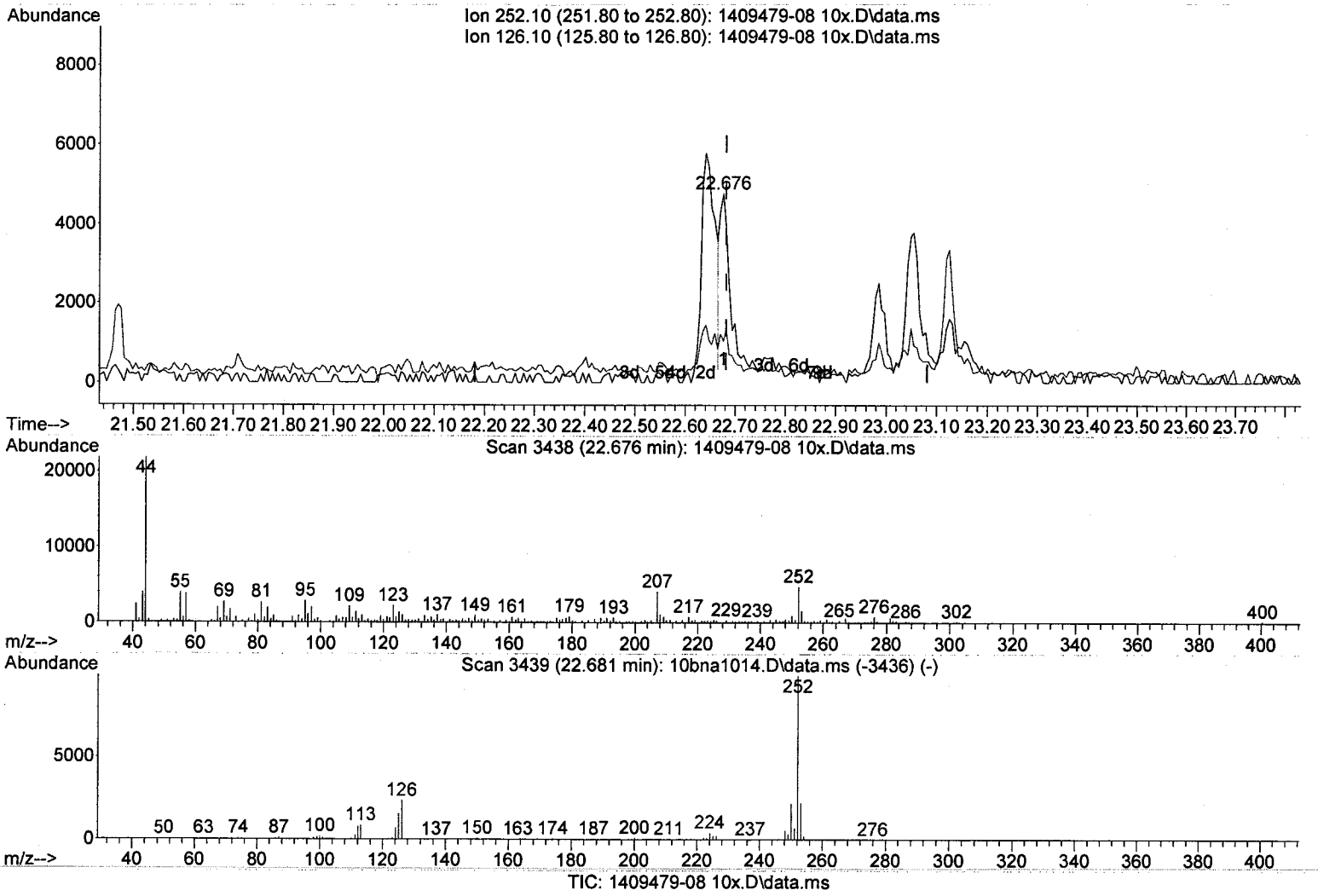
response 11024

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	43.05#
126.10	17.20	16.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-08 10x.D
Acq On : 14 Oct 2014 18:24
Operator : JLB
Sample : 1409479-08 10x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:06:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-08 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.676min (-0.006) 0.05 ng/uL

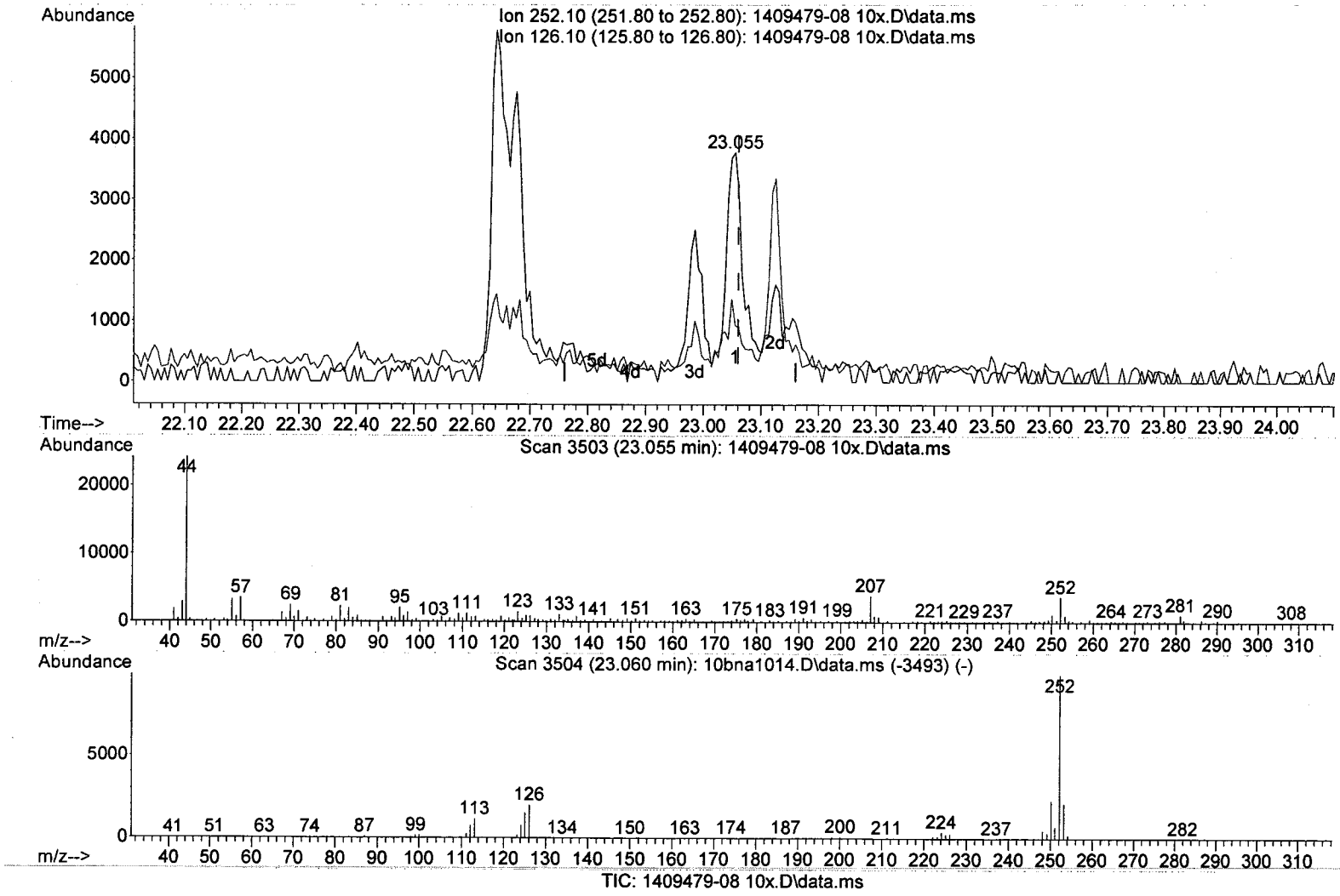
response 6206

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	20.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-08 10x.D
Acq On : 14 Oct 2014 18:24
Operator : JLB
Sample : 1409479-08 10x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:06:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-08 10x.D\data.ms

(92) Benzo(a)pyrene (C)

23.055min (-0.006) 0.07 ng/uL

response 6918

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	27.91#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW02-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-09 File ID: 1409479-09.D

Sampled: 09/25/14 10:15 Prepared: 09/29/14 07:52 Analyzed: 10/05/14 16:43

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 910 mL / 1 mL

QC Batch: 1410325 Sequence: 4J06027 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	0.11	0.036	0.11	0.55	U
208-96-8	Acenaphthylene	1	0.055	0.019	0.055	0.55	U
120-12-7	Anthracene	1	0.22	0.068	0.22	0.55	U
56-55-3	Benzo(a)anthracene	1	0.11	0.050	0.11	0.55	U
50-32-8	Benzo(a)pyrene	1	0.11	0.044	0.11	0.55	U
205-99-2	Benzo(b)fluoranthene	1	0.22	0.064	0.22	0.55	U
207-08-9	Benzo(k)fluoranthene	1	0.22	0.065	0.22	0.55	U
191-24-2	Benzo(g,h,i)perylene	1	0.22	0.067	0.22	0.55	U
65-85-0	Benzoic Acid	1	2.9	0.53	2.2	5.5	J
100-51-6	Benzyl Alcohol	1	0.11	0.053	0.11	0.55	U
101-55-3	4-Bromophenyl Phenyl Ether	1	0.11	0.047	0.11	0.55	U
85-68-7	Butyl Benzyl Phthalate	1	0.077	0.061	0.22	1.1	J
86-74-8	Carbazole	1	0.22	0.077	0.22	0.55	U
59-50-7	4-Chloro-3-methylphenol	1	0.27	0.13	0.27	0.55	U
106-47-8	4-Chloroaniline	1	0.27	0.11	0.27	1.1	U
111-91-1	Bis(2-chloroethoxy)methane	1	0.055	0.020	0.055	0.55	U
111-44-4	Bis(2-chloroethyl) Ether	1	0.055	0.026	0.055	0.55	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	0.11	0.028	0.11	0.55	U
91-58-7	2-Chloronaphthalene	1	0.055	0.019	0.055	0.55	U
95-57-8	2-Chlorophenol	1	0.11	0.029	0.11	0.55	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	0.11	0.053	0.11	0.55	U
218-01-9	Chrysene	1	0.11	0.050	0.11	0.55	U
53-70-3	Dibenz(a,h)anthracene	1	0.27	0.12	0.27	0.55	U
132-64-9	Dibenzofuran	1	0.11	0.045	0.11	0.55	U
84-74-2	Di-n-butyl Phthalate	1	0.30	0.15	1.1	1.1	J
106-46-7	1,4-Dichlorobenzene	1	0.055	0.022	0.055	0.55	U
95-50-1	1,2-Dichlorobenzene	1	0.11	0.044	0.11	0.55	U
541-73-1	1,3-Dichlorobenzene	1	0.11	0.045	0.11	0.55	U
91-94-1	3,3´-Dichlorobenzidine	1	0.55	0.14	0.55	1.1	U
120-83-2	2,4-Dichlorophenol	1	0.22	0.10	0.22	0.55	U
84-66-2	Diethyl Phthalate	1	0.11	0.072	0.27	0.55	J
105-67-9	2,4-Dimethylphenol	1	0.55	0.18	0.55	1.1	U
131-11-3	Dimethyl Phthalate	1	0.055	0.050	0.11	0.55	J
534-52-1	4,6-Dinitro-2-methylphenol	1	4.4	1.1	4.4	5.5	U
51-28-5	2,4-Dinitrophenol	1	5.5	1.3	5.5	5.5	U
606-20-2	2,6-Dinitrotoluene	1	0.22	0.088	0.22	0.55	U
121-14-2	2,4-Dinitrotoluene	1	0.11	0.052	0.11	0.55	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW02-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-09 File ID: 1409479-09.D

Sampled: 09/25/14 10:15 Prepared: 09/29/14 07:52 Analyzed: 10/05/14 16:43

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 910 mL / 1 mL

QC Batch: 1410325 Sequence: 4J06027 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	0.22	0.084	0.22	0.55	U
122-66-7	1,2-Diphenylhydrazine	1	0.11	0.088	0.11	0.55	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	3.7	0.12	0.55	0.55	**B**
206-44-0	Fluoranthene	1	0.22	0.069	0.22	0.55	U
86-73-7	Fluorene	1	0.11	0.045	0.11	0.55	U
118-74-1	Hexachlorobenzene	1	0.22	0.069	0.22	0.55	U
87-68-3	Hexachlorobutadiene	1	0.11	0.043	0.11	0.55	U
67-72-1	Hexachloroethane	1	0.11	0.046	0.11	0.55	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.27	0.088	0.27	0.55	U
78-59-1	Isophorone	1	0.11	0.049	0.11	0.55	U
91-57-6	2-Methylnaphthalene	1	0.044	0.016	0.055	0.55	**J**
108-39-4	3+4-Methylphenol	1	0.22	0.062	0.22	5.5	U
95-48-7	2-Methylphenol	1	0.22	0.052	0.22	0.55	U
91-20-3	Naphthalene	1	0.066	0.034	0.11	0.55	**J**
100-01-6	4-Nitroaniline	1	1.1	0.36	1.1	1.1	U
88-74-4	2-Nitroaniline	1	0.55	0.13	0.55	0.55	U
99-09-2	3-Nitroaniline	1	0.55	0.27	0.55	1.1	U
98-95-3	Nitrobenzene	1	0.22	0.064	0.22	0.55	U
88-75-5	2-Nitrophenol	1	0.22	0.052	0.22	0.55	U
100-02-7	4-Nitrophenol	1	5.5	1.4	5.5	5.5	U
62-75-9	N-Nitroso-dimethylamine	1	0.11	0.051	0.11	0.55	U
86-30-6	N-Nitroso-diphenylamine	1	0.22	0.074	0.22	0.55	U
621-64-7	N-Nitroso-di-n-propylamine	1	0.22	0.083	0.22	0.55	U
87-86-5	Pentachlorophenol	1	0.55	0.14	0.55	0.55	U
85-01-8	Phenanthrene	1	0.11	0.047	0.11	0.55	U
108-95-2	Phenol	1	0.055	0.037	0.11	0.55	**J**
129-00-0	Pyrene	1	0.22	0.072	0.22	0.55	U
120-82-1	1,2,4-Trichlorobenzene	1	0.11	0.029	0.11	0.55	U
95-95-4	2,4,5-Trichlorophenol	1	0.27	0.11	0.27	0.55	U
88-06-2	2,4,6-Trichlorophenol	1	0.27	0.094	0.27	0.55	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	22.0	10.7	49	19 - 119	
Phenol-d6	22.0	6.86	31	18 - 45	
Nitrobenzene-d5	11.0	9.46	86	44 - 120	
2-Fluorobiphenyl	11.0	9.62	88	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW02-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409479-09
File ID: 1409479-09.D
Sampled: 09/25/14 10:15
Prepared: 09/29/14 07:52
Analyzed: 10/05/14 16:43
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 910 mL / 1 mL
QC Batch: 1410325
Sequence: 4J06027
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	22.0	19.1	87	43 - 140	
o-Terphenyl	11.0	10.1	92	42 - 125	

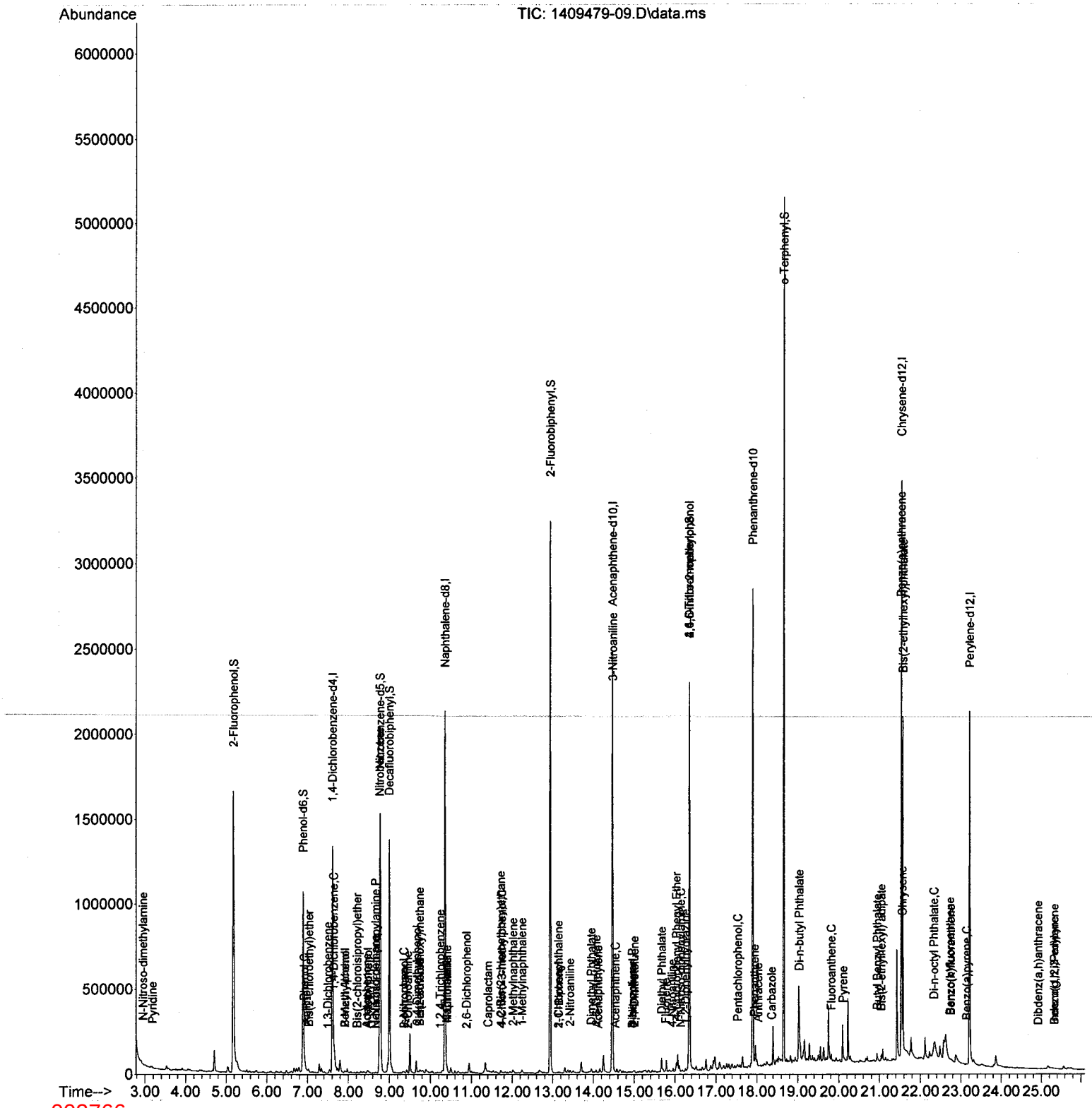
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	448655	7.608	403279	7.614	
Naphthalene-d8	1753882	10.353	1529030	10.359	
Acenaphthene-d10	998750	14.468	866604	14.474	
Phenanthrene-d10	1628108	17.896	1400442	17.901	
Chrysene-d12	1388999	21.533	1153654	21.538	
Perylene-d12	1183527	23.211	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	448655	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.353	136	1753882	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.468	164	998750	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.896	188	1628108	5.00	ng/uL	0.00
81) Chrysene-d12	21.533	240	1388999	5.00	ng/uL	# 0.00
89) Perylene-d12	23.211	264	1183527	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.178	112	999056	9.75	ng/uL	0.00
6) Phenol-d6	6.891	99	827573	6.24	ng/uL	-0.02
21) Nitrobenzene-d5	8.774	82	965591	8.61	ng/uL	-0.01
23) Decafluorobiphenyl	9.001	334	612643	7.79	ng/uL	0.00
47) 2-Fluorobiphenyl	12.935	172	1805576	8.75	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.351	330	428752	17.36	ng/uL	-0.01
78) o-Terphenyl	18.659	230	1282485	9.19	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.951	74	213	0.00	ng/uL#	1
3) Pyridine	3.190	79	409	0.00	ng/uL#	14
5) Aniline	6.967	93	515	0.23	ng/uL#	33
7) Phenol	6.914	94	8221	0.05	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.037	93	508	0.00	ng/uL#	29
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.491	146	431	0.00	ng/uL#	58
11) 1,4-Dichlorobenzene	7.637	146	718	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.220	45	582	0.00	ng/uL#	51
14) Benzyl Alcohol	7.917	108	2421	0.03	ng/uL#	73
15) 2-Methylphenol	7.917	108	2421	0.02	ng/uL#	51
16) Acetophenone	8.453	105	6636	0.04	ng/uL#	68
17) Hexachloroethane	8.657	119	3984	~~0.08~~	ng/uL#	3
18) 4-Methylphenol	8.482	108	788	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.669	70	884	0.01	ng/uL	97
22) Nitrobenzene	8.768	77	5057	0.04	ng/uL#	1
24) Isophorone	9.362	82	2315	0.01	ng/uL#	82
25) 2-Chloroaniline	9.450	127	172	0.00	ng/uL#	1
26) 2-Nitrophenol	9.357	139	61	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.671	107	459	0.00	ng/uL#	60
28) Bis(2-chlorethoxy)methane	9.741	93	72	0.00	ng/uL	92
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.741	105	14713	2.61	ng/uL	90
31) 1,2,4-Trichlorobenzene	10.237	180	386	0.00	ng/uL	92
32) Naphthalene	10.400	128	21937	0.06	ng/uL	96
33) 4-Chloroaniline	10.400	127	2088	0.02	ng/uL	98
34) 2,6-Dichlorophenol	10.884	162	179	0.00	ng/uL#	15
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.408	55	3159	0.06	ng/uL#	52
37) 1,2-Bis(2-chloroethoxy...	11.717	63	815	0.01	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.741	107	781	0.01	ng/uL#	1
39) 2-Methylnaphthalene	12.020	142	8966	0.04	ng/uL	94
40) 1-Methylnaphthalene	12.242	142	8710	0.04	ng/uL	92
41) 1,3 Dinitrobenzene	14.043	168	63	Below Cal		100

002767

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.139	162	121	0.00	ng/uL#	65
49) 1,1'-Biphenyl	13.151	154	4127	0.02	ng/uL	97
50) 2-Nitroaniline	13.425	138	161	0.00	ng/uL#	77
51) Acenaphthylene	14.119	152	777	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.072	165	904	0.02	ng/uL#	34
53) Dimethyl Phthalate	13.950	163	10589	0.05	ng/uL	94
54) 3-Nitroaniline	14.474	138	156	0.00	ng/uL#	1
55) Acenaphthene	14.538	153	1160	0.01	ng/uL#	63
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.958	168	1535	0.01	ng/uL#	44
58) 4-Nitrophenol	14.964	65	260	0.01	ng/uL#	1
59) 2,4-Dinitrotoluene	15.005	165	115	0.00	ng/uL#	46
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.774	166	2013	0.01	ng/uL#	74
63) Diethyl Phthalate	15.669	149	19859	0.10	ng/uL	95
64) 4-Chlorophenyl Phenyl ...	16.036	204	1455	0.01	ng/uL#	25
65) 4-Nitroaniline	15.931	138	131	0.00	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.351	198	1069	1.01	ng/uL#	1
68) N-Nitroso-diphenylamine	16.141	169	1539	0.01	ng/uL#	58
69) 1,2-Diphenylhydrazine	16.258	182	4362	0.07	ng/uL#	46
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	17.534	266	742	0.02	ng/uL#	1
75) Phenanthrene	17.942	178	8320	0.03	ng/uL#	90
76) Anthracene	18.030	178	1632	0.01	ng/uL#	74
77) Carbazole	18.362	167	1243	0.00	ng/uL#	94
79) Di-n-butyl Phthalate	19.038	149	85061	0.27	ng/uL#	93
80) Fluoroanthene	19.813	202	4327	0.01	ng/uL#	88
82) Pyrene	20.105	202	4300	0.01	ng/uL#	1
83) Butyl Benzyl Phthalate	20.944	149	8864	0.07	ng/uL	94
84) Bis(2-ethylhexyl) adipate	21.043	129	6428	0.12	ng/uL#	100
85) Benzo(a)anthracene	21.527	228	5123	0.02	ng/uL#	1
86) Chrysene	21.562	228	2038	0.01	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.573	149	556632	3.34	ng/uL	93
88) Di-n-octyl Phthalate	22.331	149	82887	0.61	ng/uL#	87
90) Benzo(b)fluoroanthene	22.728	252	1233	0.01	ng/uL#	67
91) Benzo(k)fluoranthene	22.751	252	1916	0.01	ng/uL#	63
92) Benzo(a)pyrene	23.141	252	984	0.00	ng/uL#	54
93) Indeno(1,2,3-cd)pyrene	25.327	276	1362	0.01	ng/uL#	55
94) Dibdenz(a,h)anthracene	24.919	278	908	0.01	ng/uL#	80
95) Benzo(g,h,i)Perylene	25.327	276	1362	0.01	ng/uL#	58

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:21:43 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

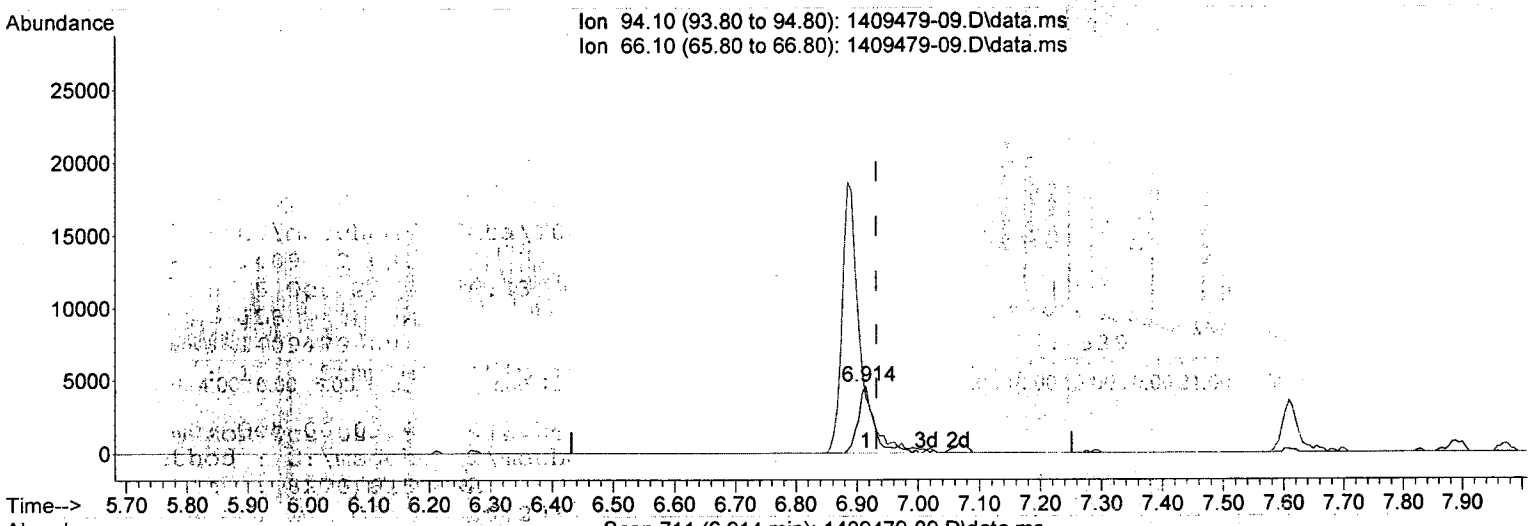
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	443875	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1753882	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	996698	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.896	188	1628108	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	1388999	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1202168	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.904	74	4859	0.07	ng/uL		85
3) Pyridine	2.904	79	154	0.00	ng/uL		86
4) Aniline	6.967	93	515	0.00	ng/uL	#	33
5) Benzaldehyde	6.775	105	13497	0.14	ng/uL		96
6) Acetophenone	8.453	105	6636	0.04	ng/uL	#	68
7) N-Nitroso-di-n-propyla...	8.669	70	884	0.01	ng/uL		97
9) 4-Chloroaniline	10.400	127	2459	0.03	ng/uL		98
10) Caprolactam	11.338	55	11600	0.30	ng/uL	#	57
12) 1,1'-Biphenyl	13.151	154	4127	0.01	ng/uL		97
13) 2-Nitroaniline	13.425	138	161	0.01	ng/uL	#	77
14) 3-Nitroaniline	14.474	138	156	Below Cal		#	1
15) 4-Nitroaniline	15.867	138	55	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.141	169	1539	0.01	ng/uL	#	58
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.046	184	321	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.509	252	122	0.00	ng/uL	#	79

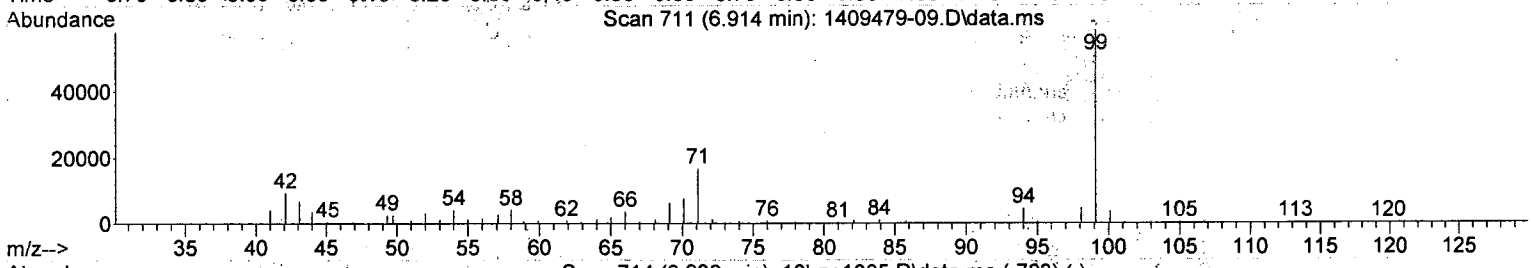
(#) = qualifier out of range (m) = manual integration (+) = signals summed

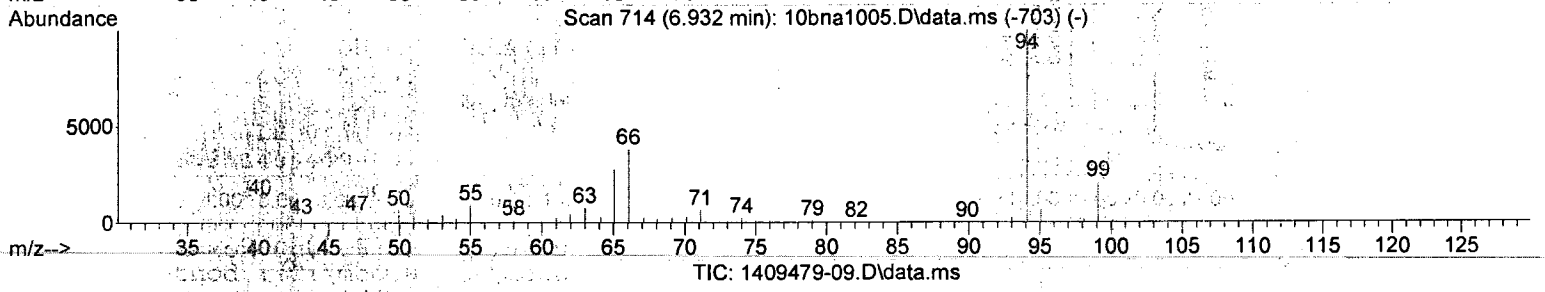
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 3270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-09.D\data.ms

(7) Phenol (C)

6.914min (-0.017) 0.05 ng/uL

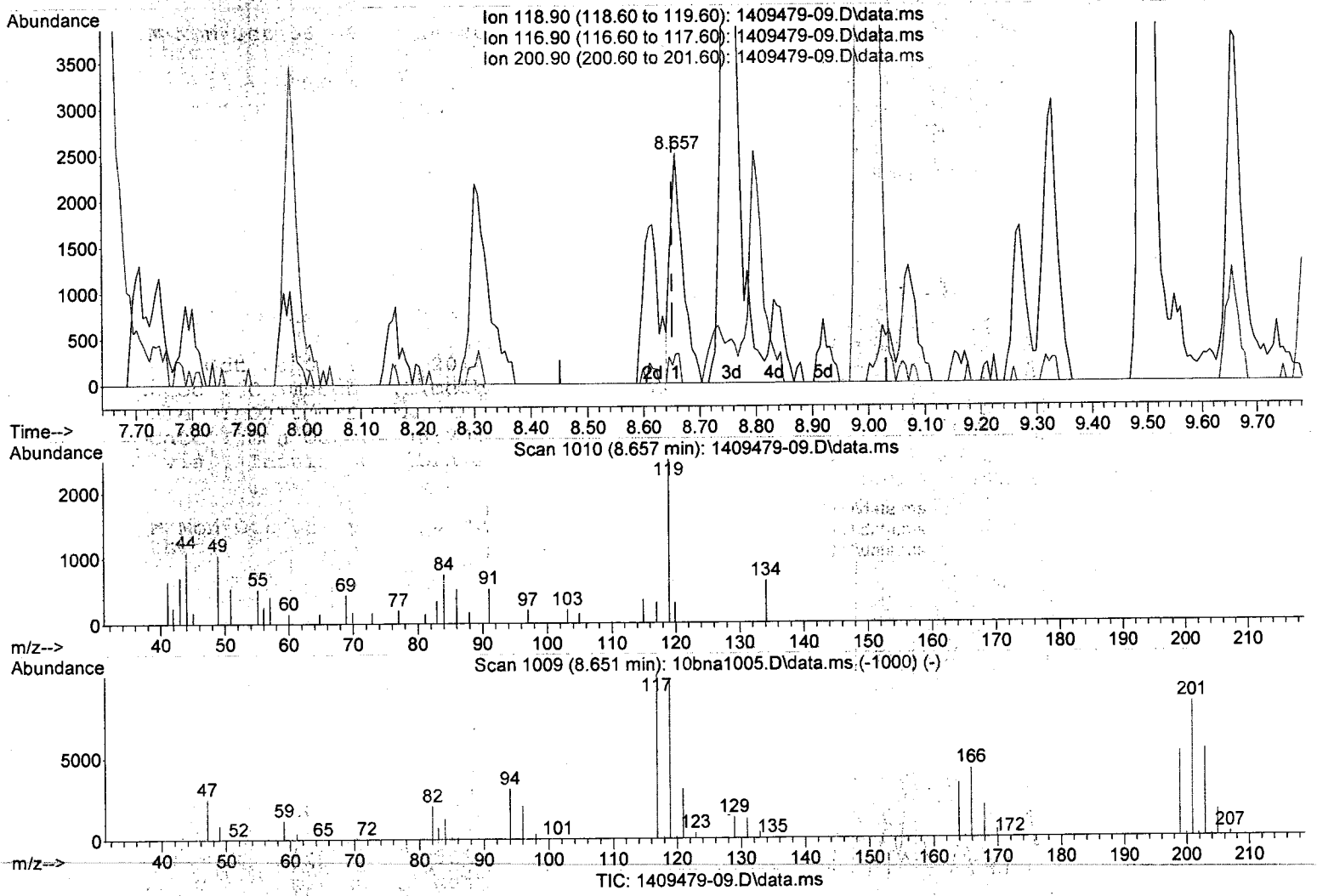
response 8221

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	459.91#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(17) Hexachloroethane

8.657min (+ 0.006) 0.08 ng/uL

response 3984

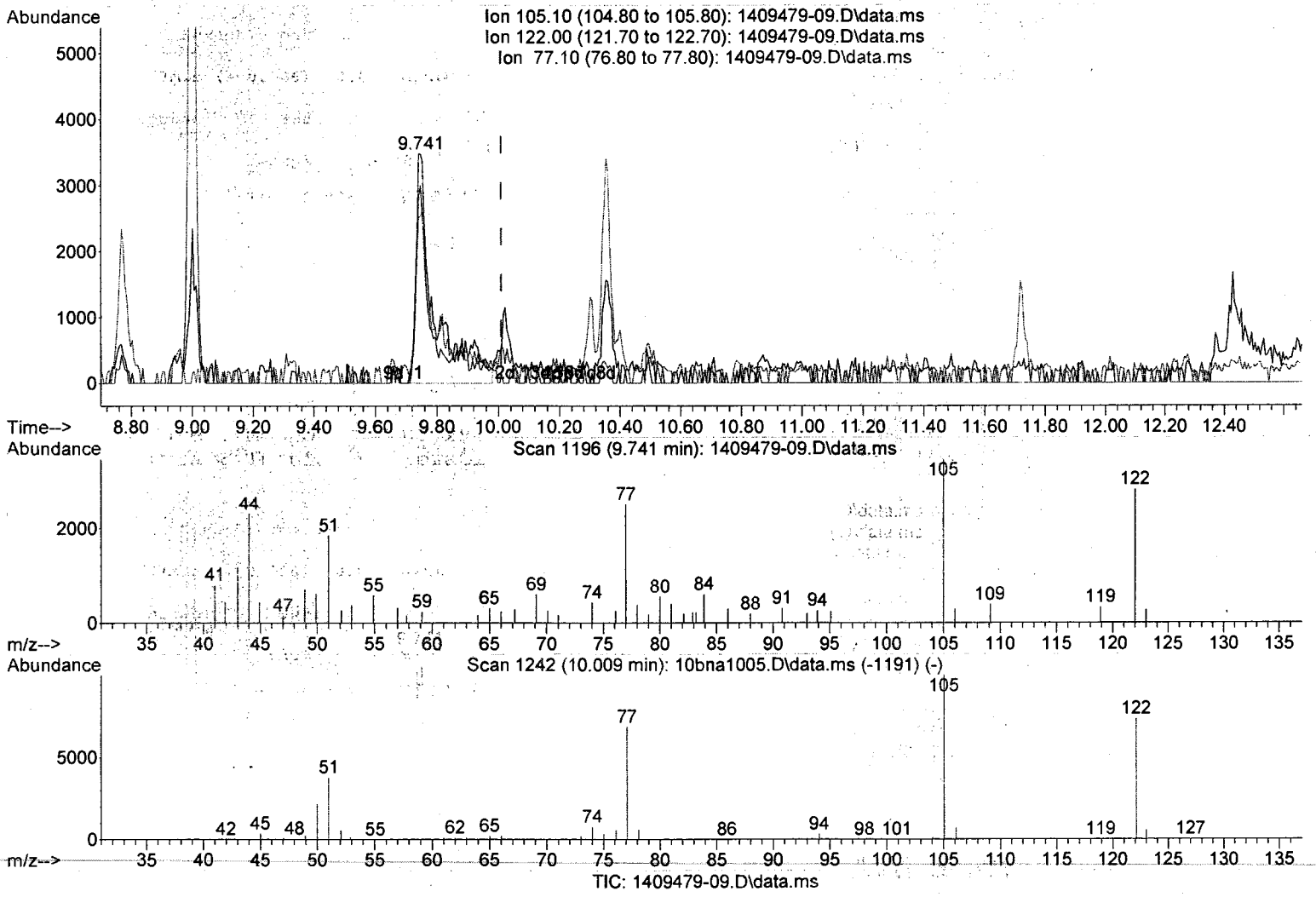
Ion	Exp%	Act%
118.90	100.00	100.00
116.90	100.10	0.00#
200.90	85.90	0.00#
0.00	0.00	0.00

002771

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.741min (-0.268) 2.61 ng/uL

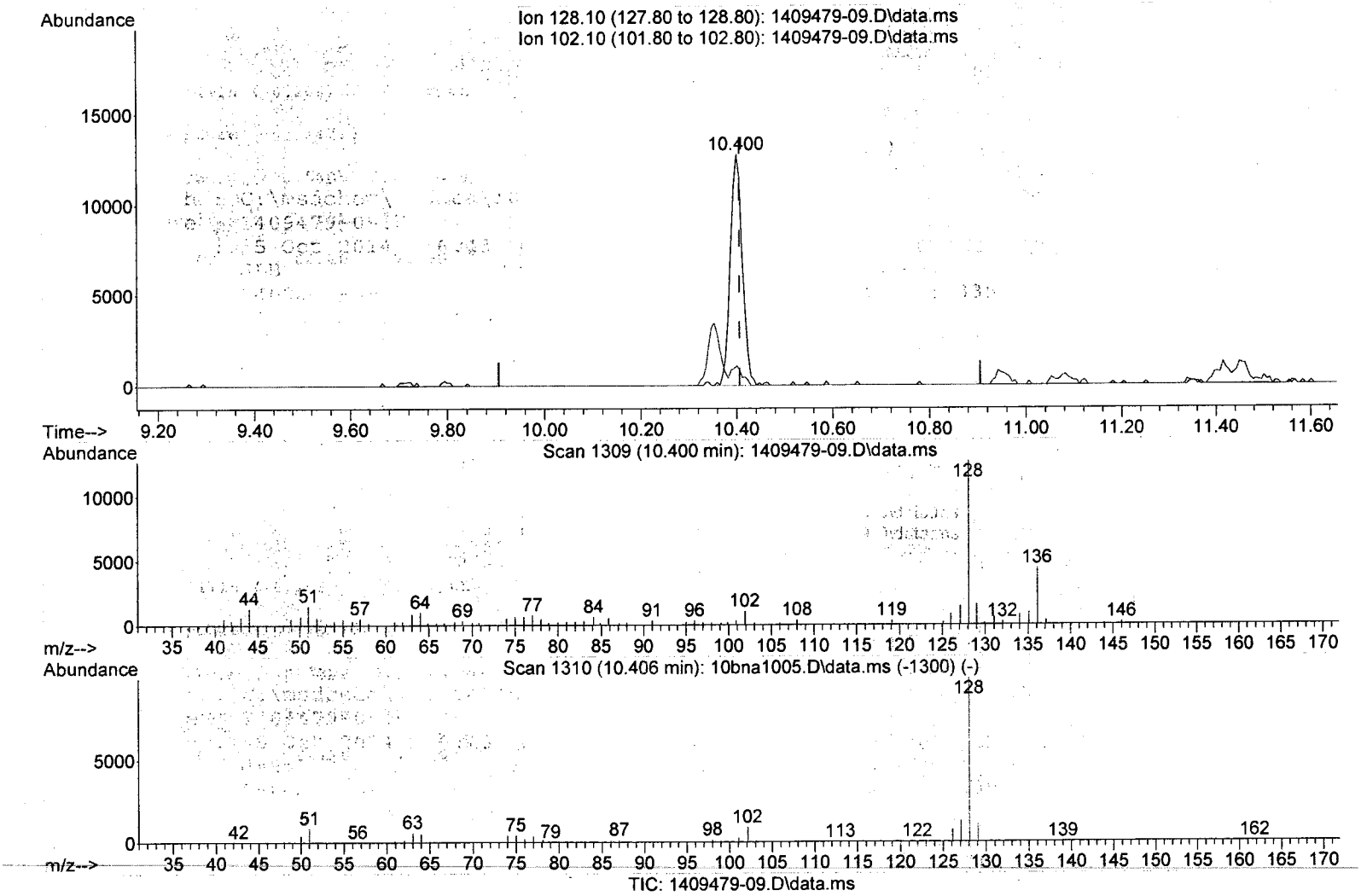
response 14713

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	70.39
77.10	74.70	83.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409479-09.D\data.ms

(32) Naphthalene

10.400min (-0.006) 0.06 ng/uL

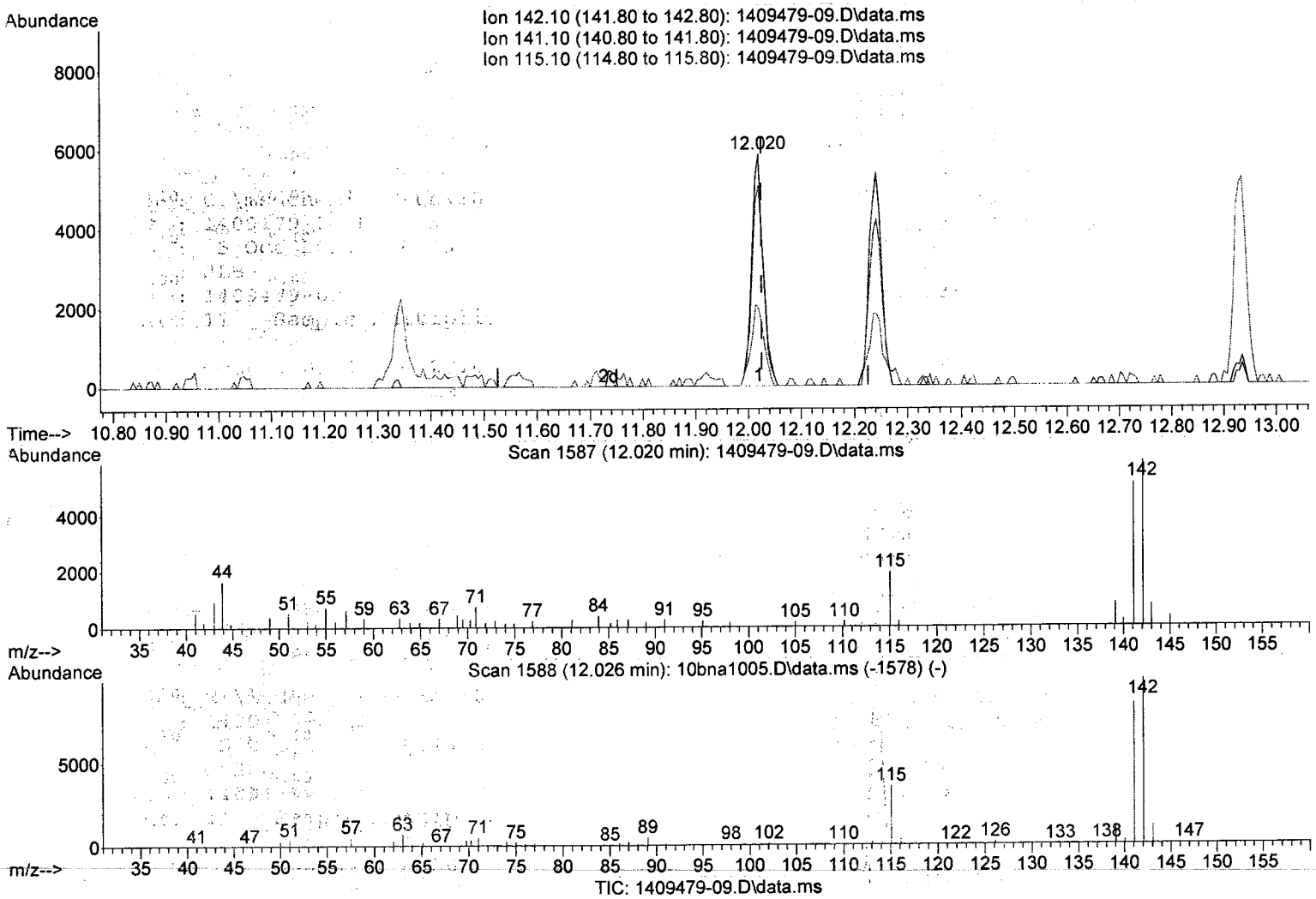
response 21937

Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	7.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(39) 2-Methylnaphthalene

12.020min (-0.006) 0.04 ng/uL

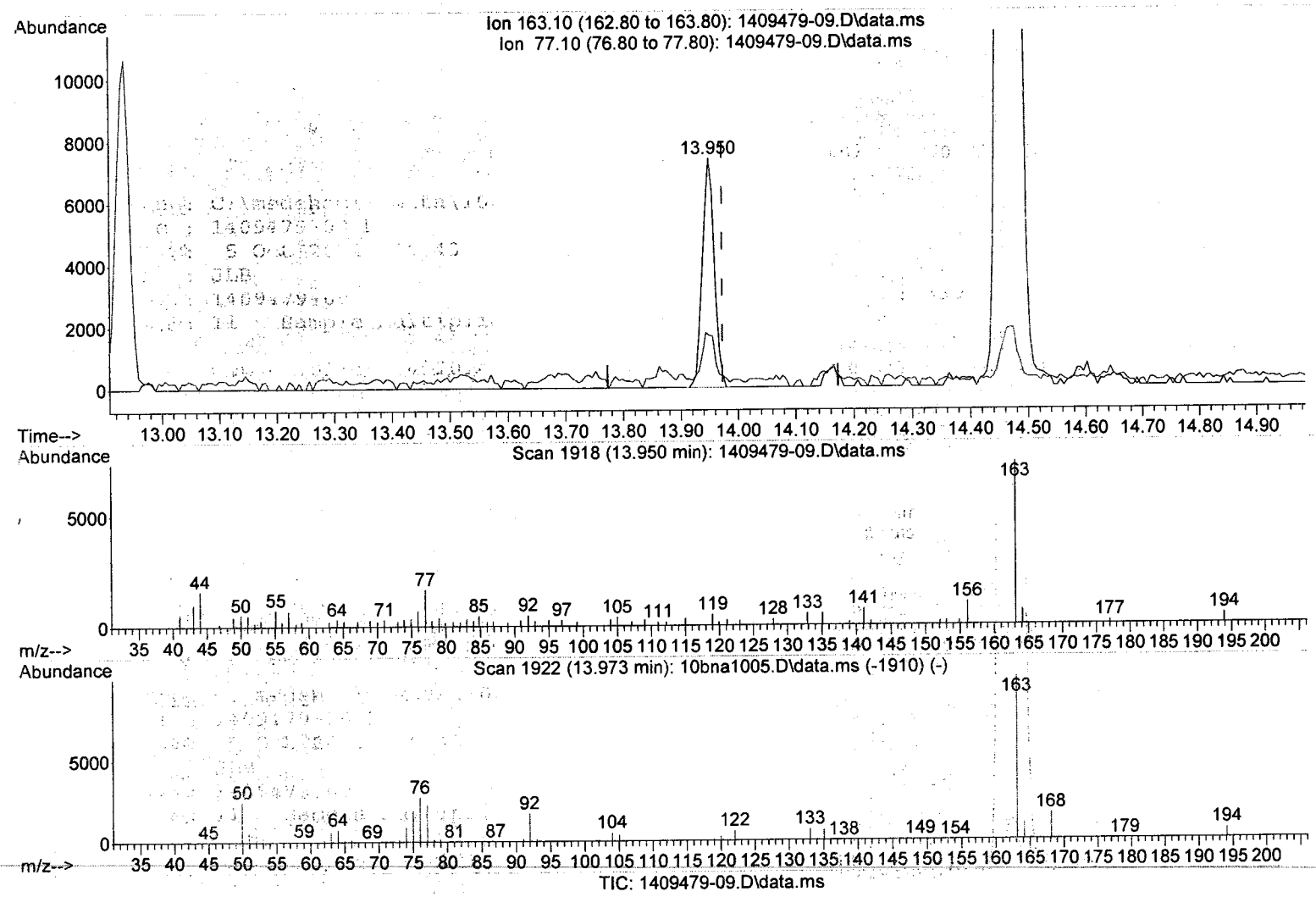
response 8966

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	88.79
115.10	33.50	39.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409479-09.D\data.ms

(53) Dimethyl Phthalate

13.950min (-0.023) 0.05 ng/uL

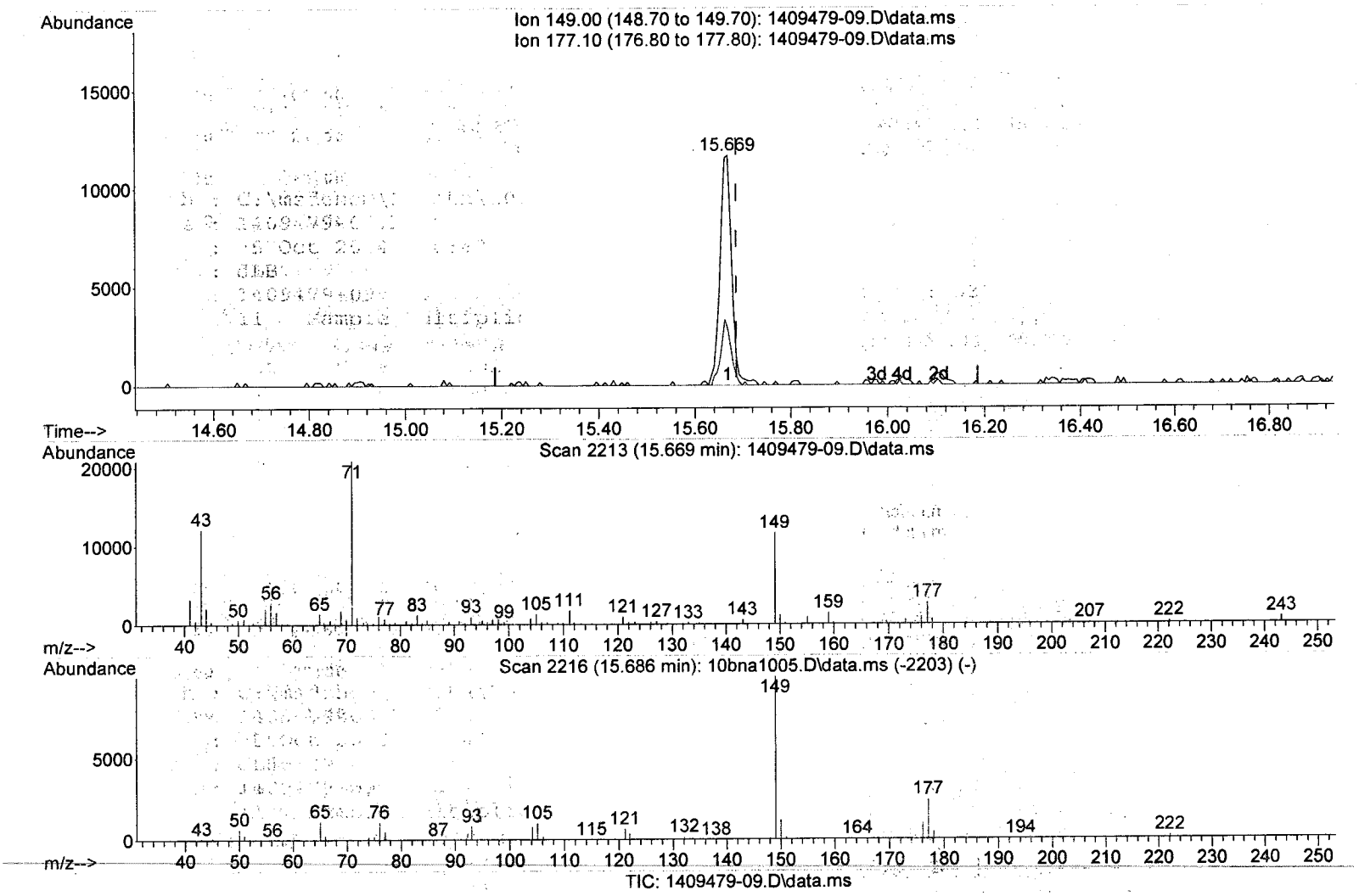
response 10589

Ion	Exp%	Act%
163.10	100.00	100.00
77.10	22.60	25.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409479-09.D\data.ms

(63) Diethyl Phthalate

15.669min (-0.017) 0.10 ng/uL

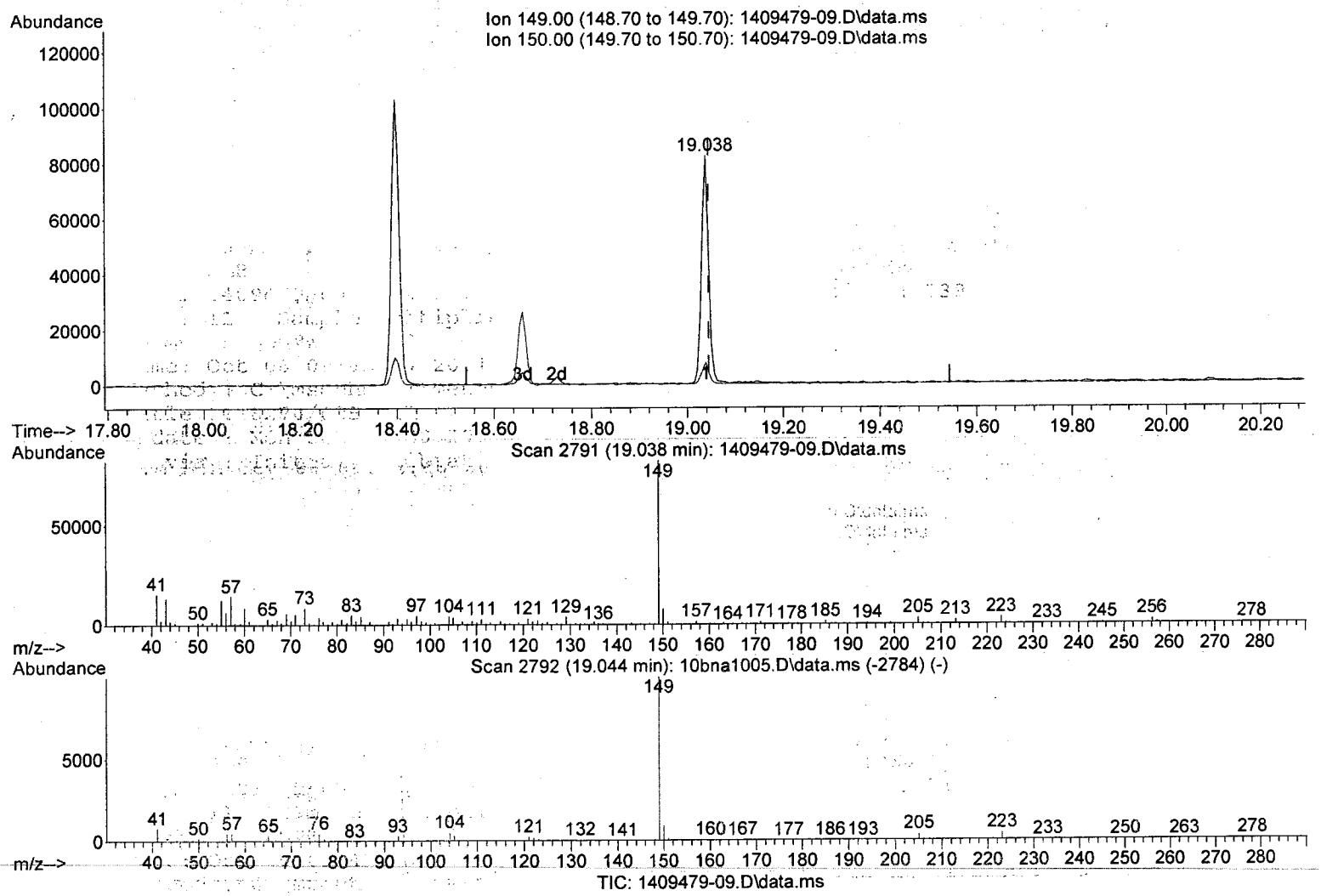
response 19859

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	25.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409479-09.D\data.ms

(79) Di-n-butyl Phthalate

19.038min (-0.006) 0.27 ng/uL

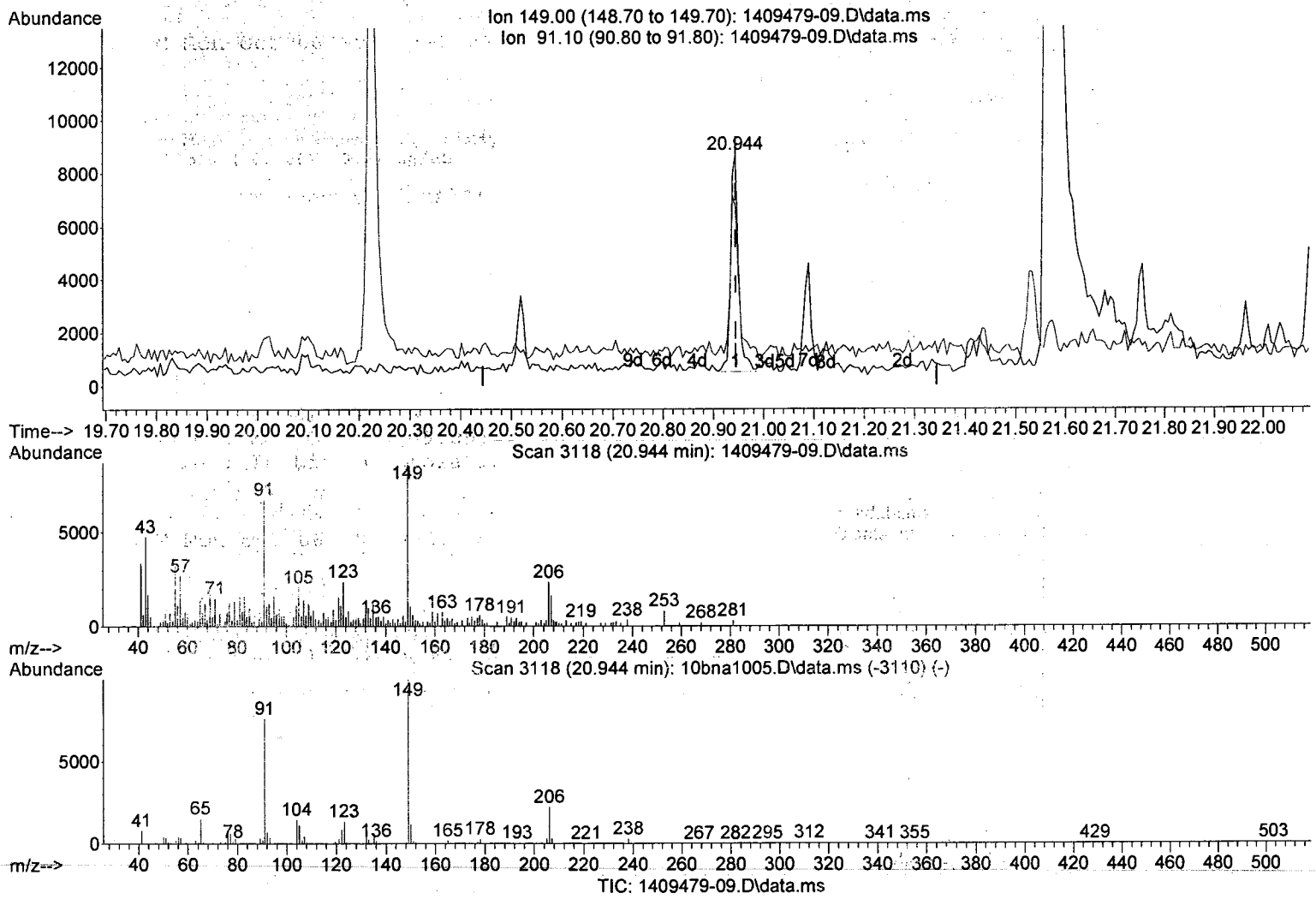
response 85061

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	11.33#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409479-09.D\data.ms

(83) Butyl Benzyl Phthalate

20.944min (+0.000) 0.07 ng/uL

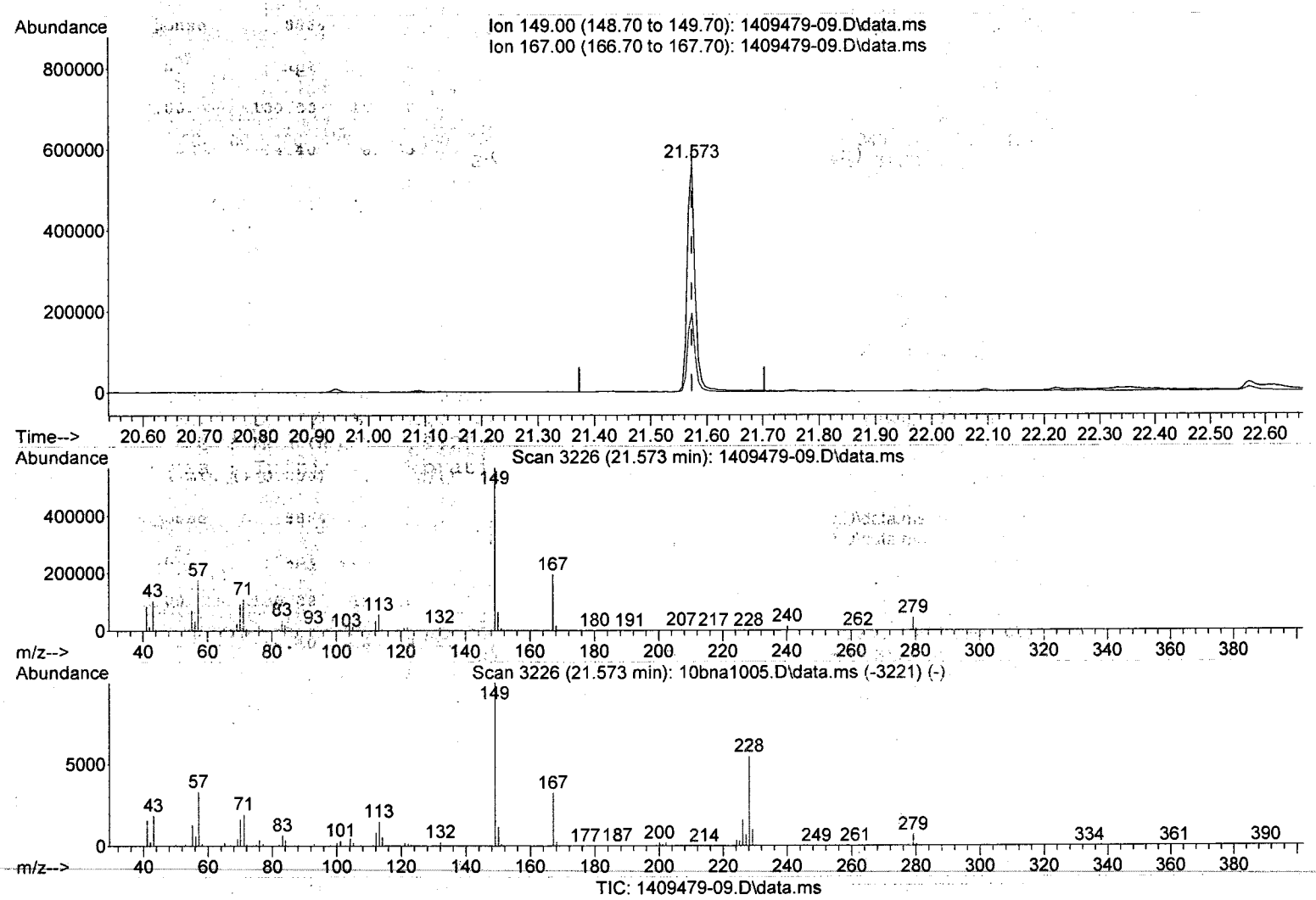
response 8864

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	94.00	89.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409479-09.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.573min (+ 0.000) 3.34 ng/uL

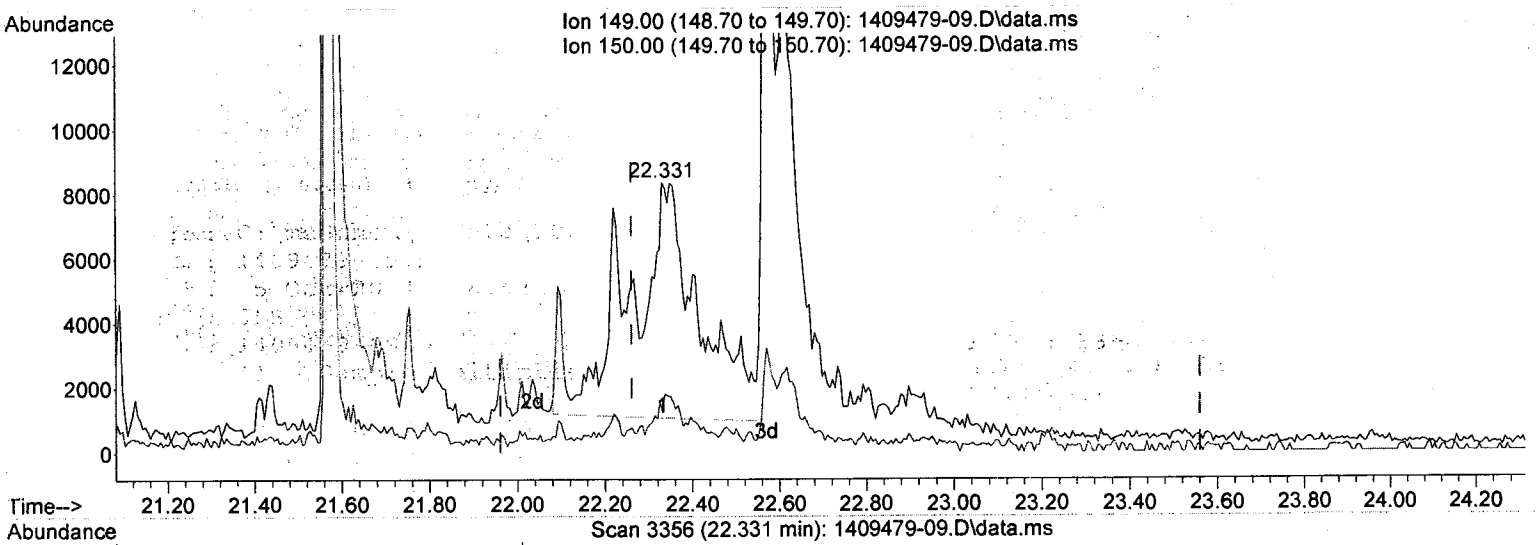
response 556632

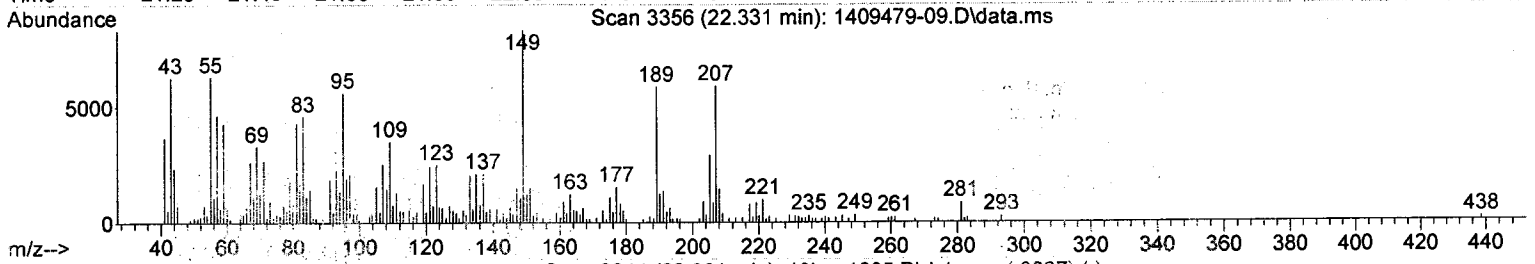
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.18
0.00	0.00	0.00
0.00	0.00	0.00

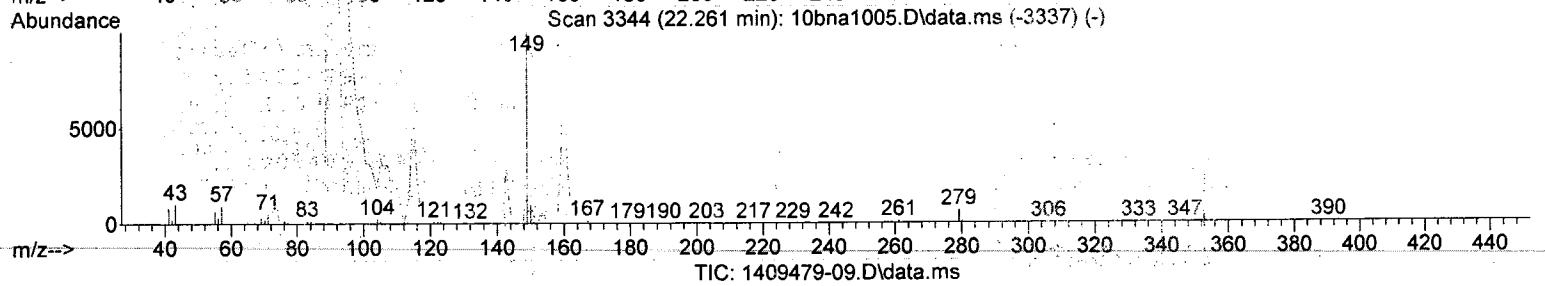
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-09.D
Acq On : 5 Oct 2014 16:43
Operator : JLB
Sample : 1409479-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 09:45:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-09.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.331min (+ 0.070) 0.61 ng/uL

response 82887

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.66	4.95#
0.00	0.00	0.00
0.00	0.00	0.00

PP

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW05-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-10 File ID: 1409479-10.D

Sampled: 09/25/14 13:20 Prepared: 09/29/14 07:52 Analyzed: 10/05/14 17:16

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 930 mL / 1 mL

QC Batch: 1410325 Sequence: 4J06027 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	0.11	0.035	0.11	0.54	U
208-96-8	Acenaphthylene	1	0.054	0.018	0.054	0.54	U
120-12-7	Anthracene	1	0.22	0.066	0.22	0.54	U
56-55-3	Benzo(a)anthracene	1	0.11	0.049	0.11	0.54	U
50-32-8	Benzo(a)pyrene	1	0.11	0.043	0.11	0.54	U
205-99-2	Benzo(b)fluoranthene	1	0.22	0.062	0.22	0.54	U
207-08-9	Benzo(k)fluoranthene	1	0.22	0.064	0.22	0.54	U
191-24-2	Benzo(g,h,i)perylene	1	0.22	0.065	0.22	0.54	U
65-85-0	Benzoic Acid	1	2.8	0.51	2.2	5.4	J
100-51-6	Benzyl Alcohol	1	0.11	0.052	0.11	0.54	U
101-55-3	4-Bromophenyl Phenyl Ether	1	0.11	0.046	0.11	0.54	U
85-68-7	Butyl Benzyl Phthalate	1	0.065	0.060	0.22	1.1	J
86-74-8	Carbazole	1	0.22	0.075	0.22	0.54	U
59-50-7	4-Chloro-3-methylphenol	1	0.27	0.12	0.27	0.54	U
106-47-8	4-Chloroaniline	1	0.27	0.11	0.27	1.1	U
111-91-1	Bis(2-chloroethoxy)methane	1	0.054	0.020	0.054	0.54	U
111-44-4	Bis(2-chloroethyl) Ether	1	0.054	0.025	0.054	0.54	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	0.11	0.028	0.11	0.54	U
91-58-7	2-Chloronaphthalene	1	0.054	0.018	0.054	0.54	U
95-57-8	2-Chlorophenol	1	0.11	0.029	0.11	0.54	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	0.11	0.052	0.11	0.54	U
218-01-9	Chrysene	1	0.11	0.049	0.11	0.54	U
53-70-3	Dibenz(a,h)anthracene	1	0.27	0.12	0.27	0.54	U
132-64-9	Dibenzofuran	1	0.11	0.044	0.11	0.54	U
84-74-2	Di-n-butyl Phthalate	1	0.24	0.15	1.1	1.1	J
106-46-7	1,4-Dichlorobenzene	1	0.086	0.021	0.054	0.54	J
95-50-1	1,2-Dichlorobenzene	1	0.075	0.043	0.11	0.54	J
541-73-1	1,3-Dichlorobenzene	1	0.16	0.044	0.11	0.54	J
91-94-1	3,3′-Dichlorobenzidine	1	0.54	0.13	0.54	1.1	U
120-83-2	2,4-Dichlorophenol	1	0.22	0.098	0.22	0.54	U
84-66-2	Diethyl Phthalate	1	0.097	0.070	0.27	0.54	J
105-67-9	2,4-Dimethylphenol	1	0.54	0.18	0.54	1.1	U
131-11-3	Dimethyl Phthalate	1	0.054	0.049	0.11	0.54	J
534-52-1	4,6-Dinitro-2-methylphenol	1	4.3	1.1	4.3	5.4	U
51-28-5	2,4-Dinitrophenol	1	5.4	1.2	5.4	5.4	U
606-20-2	2,6-Dinitrotoluene	1	0.22	0.086	0.22	0.54	U
121-14-2	2,4-Dinitrotoluene	1	0.11	0.051	0.11	0.54	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW05-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-10 File ID: 1409479-10.D

Sampled: 09/25/14 13:20 Prepared: 09/29/14 07:52 Analyzed: 10/05/14 17:16

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 930 mL / 1 mL

QC Batch: 1410325 Sequence: 4J06027 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	0.22	0.082	0.22	0.54	U
122-66-7	1,2-Diphenylhydrazine	1	0.11	0.087	0.11	0.54	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	1.8	0.12	0.54	0.54	B
206-44-0	Fluoranthene	1	0.22	0.067	0.22	0.54	U
86-73-7	Fluorene	1	0.11	0.044	0.11	0.54	U
118-74-1	Hexachlorobenzene	1	0.22	0.067	0.22	0.54	U
87-68-3	Hexachlorobutadiene	1	0.11	0.042	0.11	0.54	U
67-72-1	Hexachloroethane	1	0.11	0.045	0.11	0.54	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.27	0.086	0.27	0.54	U
78-59-1	Isophorone	1	0.11	0.048	0.11	0.54	U
91-57-6	2-Methylnaphthalene	1	0.043	0.016	0.054	0.54	J
108-39-4	3+4-Methylphenol	1	0.22	0.061	0.22	5.4	U
95-48-7	2-Methylphenol	1	0.22	0.051	0.22	0.54	U
91-20-3	Naphthalene	1	0.054	0.033	0.11	0.54	J
100-01-6	4-Nitroaniline	1	1.1	0.35	1.1	1.1	U
88-74-4	2-Nitroaniline	1	0.54	0.12	0.54	0.54	U
99-09-2	3-Nitroaniline	1	0.54	0.26	0.54	1.1	U
98-95-3	Nitrobenzene	1	0.22	0.063	0.22	0.54	U
88-75-5	2-Nitrophenol	1	0.22	0.051	0.22	0.54	U
100-02-7	4-Nitrophenol	1	5.4	1.3	5.4	5.4	U
62-75-9	N-Nitroso-dimethylamine	1	0.11	0.049	0.11	0.54	U
86-30-6	N-Nitroso-diphenylamine	1	0.22	0.073	0.22	0.54	U
621-64-7	N-Nitroso-di-n-propylamine	1	0.22	0.081	0.22	0.54	U
87-86-5	Pentachlorophenol	1	0.54	0.14	0.54	0.54	U
85-01-8	Phenanthrene	1	0.11	0.046	0.11	0.54	U
108-95-2	Phenol	1	0.065	0.036	0.11	0.54	J
129-00-0	Pyrene	1	0.22	0.071	0.22	0.54	U
120-82-1	1,2,4-Trichlorobenzene	1	0.043	0.029	0.11	0.54	J
95-95-4	2,4,5-Trichlorophenol	1	0.27	0.11	0.27	0.54	U
88-06-2	2,4,6-Trichlorophenol	1	0.27	0.092	0.27	0.54	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	21.5	9.87	46	19 - 119	
Phenol-d6	21.5	6.40	30	18 - 45	
Nitrobenzene-d5	10.8	8.97	83	44 - 120	
2-Fluorobiphenyl	10.8	9.33	87	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW05-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409479-10
File ID: 1409479-10.D
Sampled: 09/25/14 13:20
Prepared: 09/29/14 07:52
Analyzed: 10/05/14 17:16
Solids:
Preparation: 3510C Liquid-Liquid Extı
Initial/Final: 930 mL / 1 mL
QC Batch: 1410325
Sequence: 4J06027
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	21.5	18.7	87	43 - 140	
o-Terphenyl	10.8	9.86	92	42 - 125	

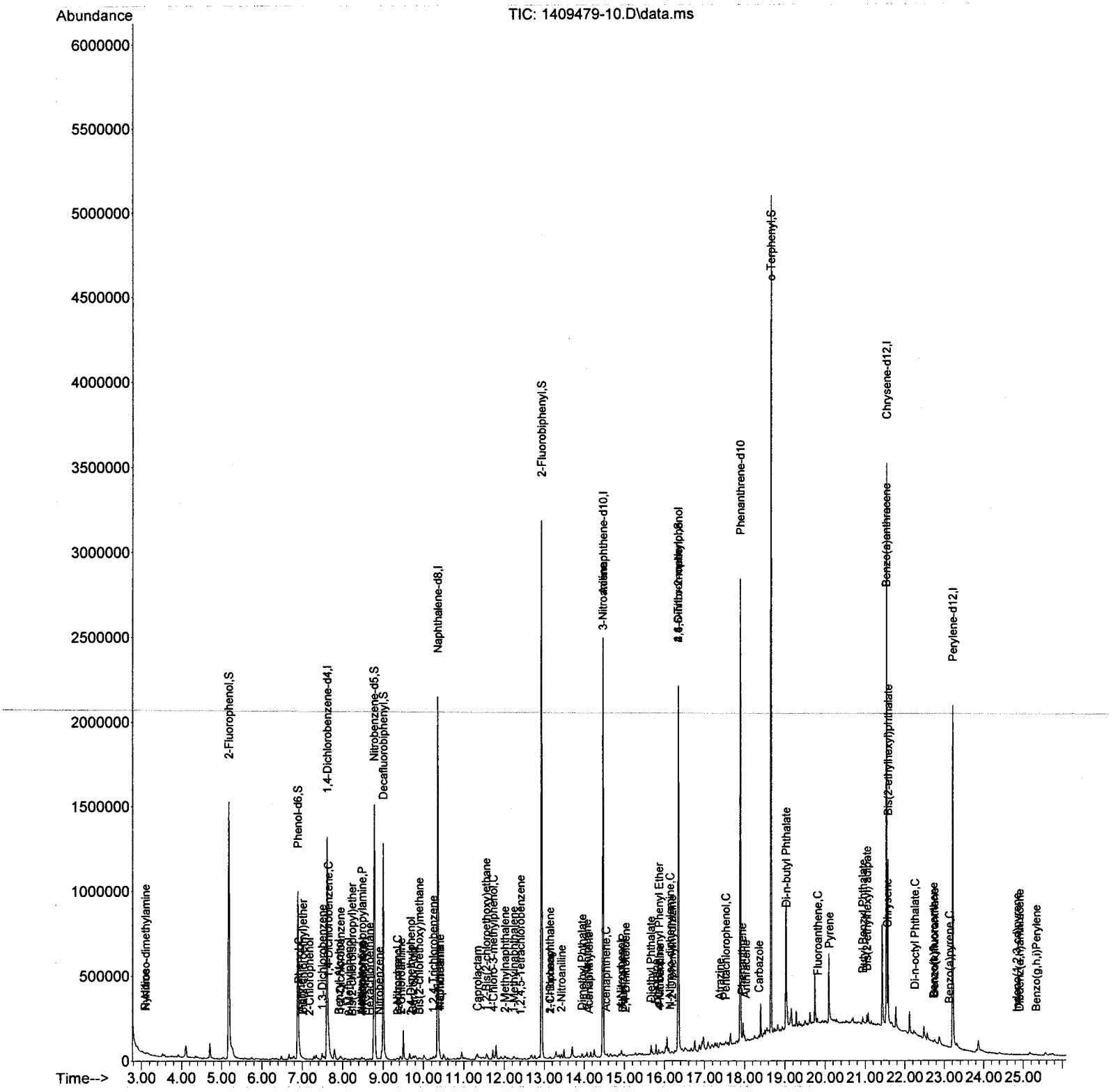
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	451456	7.614	403279	7.614	
Naphthalene-d8	1774965	10.353	1529030	10.359	
Acenaphthene-d10	979350	14.468	866604	14.474	
Phenanthrene-d10	1593044	17.895	1400442	17.901	
Chrysene-d12	1367890	21.533	1153654	21.538	
Perylene-d12	1130225	23.211	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:49:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:49:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.614	152	451456	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.353	136	1774965	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.468	164	979350	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.895	188	1593044	5.00	ng/uL	0.00
81) Chrysene-d12	21.533	240	1367890	5.00	ng/uL	# 0.00
89) Perylene-d12	23.211	264	1130225	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	947381	9.18	ng/uL	0.00
6) Phenol-d6	6.891	99	794587	5.95	ng/uL	-0.02
21) Nitrobenzene-d5	8.774	82	946168	8.34	ng/uL	-0.01
23) Decafluorobiphenyl	9.001	334	573083	7.20	ng/uL	0.00
47) 2-Fluorobiphenyl	12.935	172	1755729	8.68	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.351	330	419915	17.38	ng/uL	-0.01
78) o-Terphenyl	18.659	230	1251753	9.17	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.102	74	152	0.00	ng/uL#	1
3) Pyridine	3.091	79	263	0.00	ng/uL#	14
5) Aniline	6.973	93	959	0.23	ng/uL#	33
7) Phenol	6.914	94	9768	0.06	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.019	93	728	0.01	ng/uL#	21
9) 2-Chlorophenol	7.171	128	111	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.491	146	19873	0.15	ng/uL	94
11) 1,4-Dichlorobenzene	7.643	146	10529	0.08	ng/uL	87
12) 1,2-Dichlorobenzene	7.946	146	8613	0.07	ng/uL#	84
13) Bis(2-chloroisipropyl)...	8.237	45	507	0.00	ng/uL#	51
14) Benzyl Alcohol	7.911	108	2489	0.03	ng/uL	89
15) 2-Methylphenol	8.156	108	327	0.00	ng/uL#	17
16) Acetophenone	8.465	105	6873	0.04	ng/uL#	59
17) Hexachloroethane	8.663	119	4577	0.09	ng/uL#	3
18) 4-Methylphenol	8.500	108	156	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.482	70	3032	0.04	ng/uL	85
22) Nitrobenzene	8.896	77	53	0.00	ng/uL#	24
24) Isophorone	9.362	82	2408	0.01	ng/uL#	77
25) 2-Chloroaniline	9.444	127	316	0.00	ng/uL#	53
26) 2-Nitrophenol	9.356	139	622	0.01	ng/uL#	48
27) 2,4-Dimethylphenol	9.689	107	184	0.00	ng/uL#	79
28) Bis(2-chlorethoxy)methane	9.899	93	160	0.00	ng/uL#	68
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.747	105	13528m	2.59	ng/uL	
31) 1,2,4-Trichlorobenzene	10.242	180	4268	0.04	ng/uL	93
32) Naphthalene	10.400	128	16942	0.05	ng/uL	100
33) 4-Chloroaniline	10.406	127	1686	0.02	ng/uL	100
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.338	55	14804	0.29	ng/uL#	46
37) 1,2-Bis(2-chloroethoxy...	11.560	63	591	0.01	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.729	107	1072	0.01	ng/uL#	1
39) 2-Methylnaphthalene	12.020	142	8730	0.04	ng/uL	96
40) 1-Methylnaphthalene	12.242	142	5892	0.03	ng/uL#	84
41) 1,3 Dinitrobenzene	14.060	168	227	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:49:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.411	216	58	0.00	ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.145	162	57	0.00	ng/uL#	1
49) 1,1'-Biphenyl	13.151	154	3593	0.01	ng/uL	96
50) 2-Nitroaniline	13.437	138	121	0.00	ng/uL#	1
51) Acenaphthylene	14.118	152	556	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.066	165	2067	0.04	ng/uL#	37
53) Dimethyl Phthalate	13.949	163	10168	0.05	ng/uL#	82
54) 3-Nitroaniline	14.462	138	775	0.02	ng/uL#	1
55) Acenaphthene	14.544	153	953	0.00	ng/uL#	62
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.964	168	1247	0.00	ng/uL#	1
58) 4-Nitrophenol	14.917	65	913	0.02	ng/uL#	9
59) 2,4-Dinitrotoluene	15.028	165	210	0.00	ng/uL#	35
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.780	166	1576	0.01	ng/uL#	10
63) Diethyl Phthalate	15.663	149	17122	0.09	ng/uL	95
64) 4-Chlorophenyl Phenyl ...	15.867	204	58	0.00	ng/uL#	1
65) 4-Nitroaniline	15.890	138	917	0.03	ng/uL#	56
67) 4,6-Dinitro-2-methylph...	16.351	198	1180	~~1.02~~	ng/uL#	1
68) N-Nitroso-diphenylamine	16.141	169	975	0.01	ng/uL#	33
69) 1,2-Diphenylhydrazine	16.193	182	398	0.01	ng/uL	85
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.383	200	113	0.00	ng/uL	96
74) Pentachlorophenol	17.534	266	1357	0.04	ng/uL#	1
75) Phenanthrene	17.942	178	5233	0.02	ng/uL#	69
76) Anthracene	18.035	178	1298	0.00	ng/uL#	27
77) Carbazole	18.362	167	940	0.00	ng/uL#	10
79) Di-n-butyl Phthalate	19.038	149	67790	0.22	ng/uL	96
80) Fluoroanthene	19.819	202	2337	0.01	ng/uL#	78
82) Pyrene	20.105	202	2512	0.01	ng/uL#	1
83) Butyl Benzyl Phthalate	20.944	149	7855	0.06	ng/uL	89
84) Bis(2-ethylhexyl) adipate	21.043	129	10207	0.15	ng/uL#	100
85) Benzo(a)anthracene	21.527	228	4714	0.02	ng/uL#	1
86) Chrysene	21.562	228	1445	0.01	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.573	149	270010	1.65	ng/uL	91
88) Di-n-octyl Phthalate	22.255	149	41562	~~0.48~~	ng/uL#	79
90) Benzo(b)fluoroanthene	22.727	252	1211	0.01	ng/uL#	77
91) Benzo(k)fluoranthene	22.757	252	1593	0.01	ng/uL	94
92) Benzo(a)pyrene	23.130	252	1149	0.01	ng/uL#	39
93) Indeno(1,2,3-cd)pyrene	24.843	276	849	0.01	ng/uL#	80
94) Dibenz(a,h)anthracene	24.907	278	148	0.00	ng/uL#	9
95) Benzo(g,h,i)Perylene	25.333	276	845	0.01	ng/uL#	61

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:22:18 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

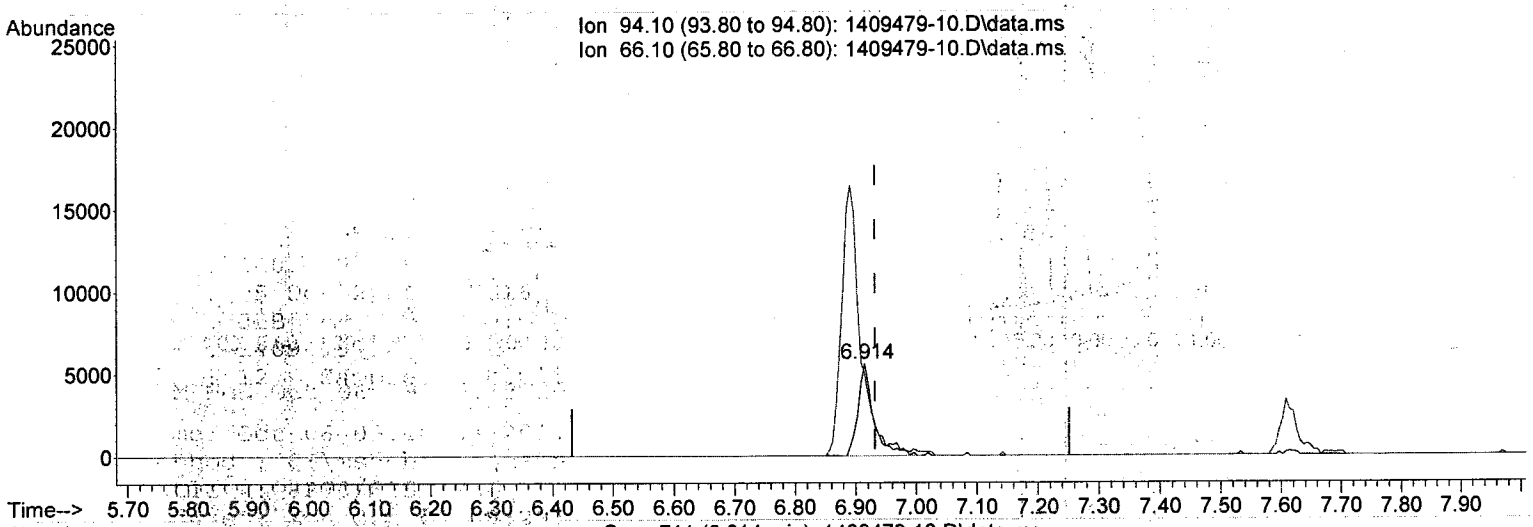
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	446245	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1774965	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	978882	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.895	188	1593044	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	1367890	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1144178	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.102	74	152	0.00	ng/uL	#	1
3) Pyridine	2.805	79	515	0.00	ng/uL		86
4) Aniline	6.973	93	959	0.01	ng/uL	#	33
5) Benzaldehyde	6.774	105	5493	0.06	ng/uL	#	67
6) Acetophenone	8.465	105	6873	0.04	ng/uL	#	59
7) N-Nitroso-di-n-propyla...	8.430	70	406	0.00	ng/uL		97
9) 4-Chloroaniline	10.406	127	1915	0.02	ng/uL		95
10) Caprolactam	11.338	55	14804	0.35	ng/uL	#	46
12) 1,1'-Biphenyl	13.151	154	3593	0.01	ng/uL		96
13) 2-Nitroaniline	13.437	138	121	0.01	ng/uL	#	1
14) 3-Nitroaniline	14.462	138	775	Below Cal		#	1
15) 4-Nitroaniline	15.850	138	408	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.141	169	975	0.01	ng/uL	#	33
18) Atrazine	17.383	200	113	Below Cal			96
20) Benzidine	20.093	184	43711	0.63	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.480	252	309	0.00	ng/uL		99

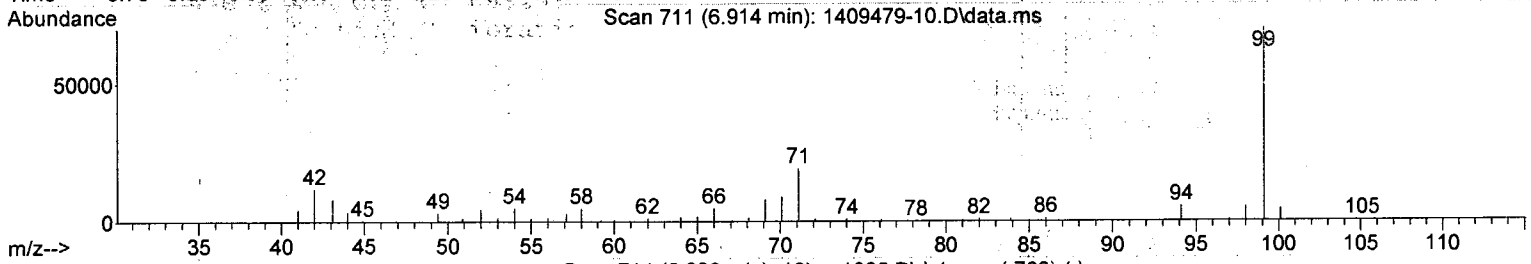
(#) = qualifier out of range (m) = manual integration (+) = signals summed

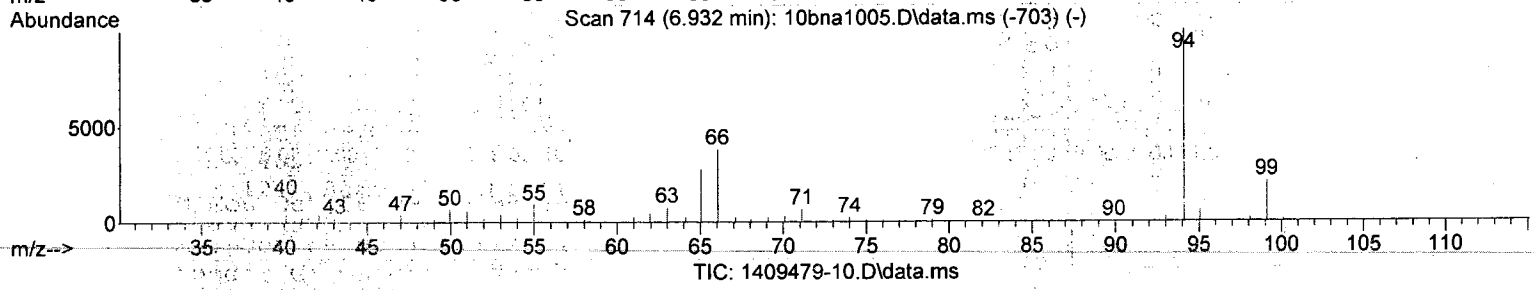
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-10.D\data.ms

(7) Phenol (C)

6.914min (-0.017) 0.06 ng/uL

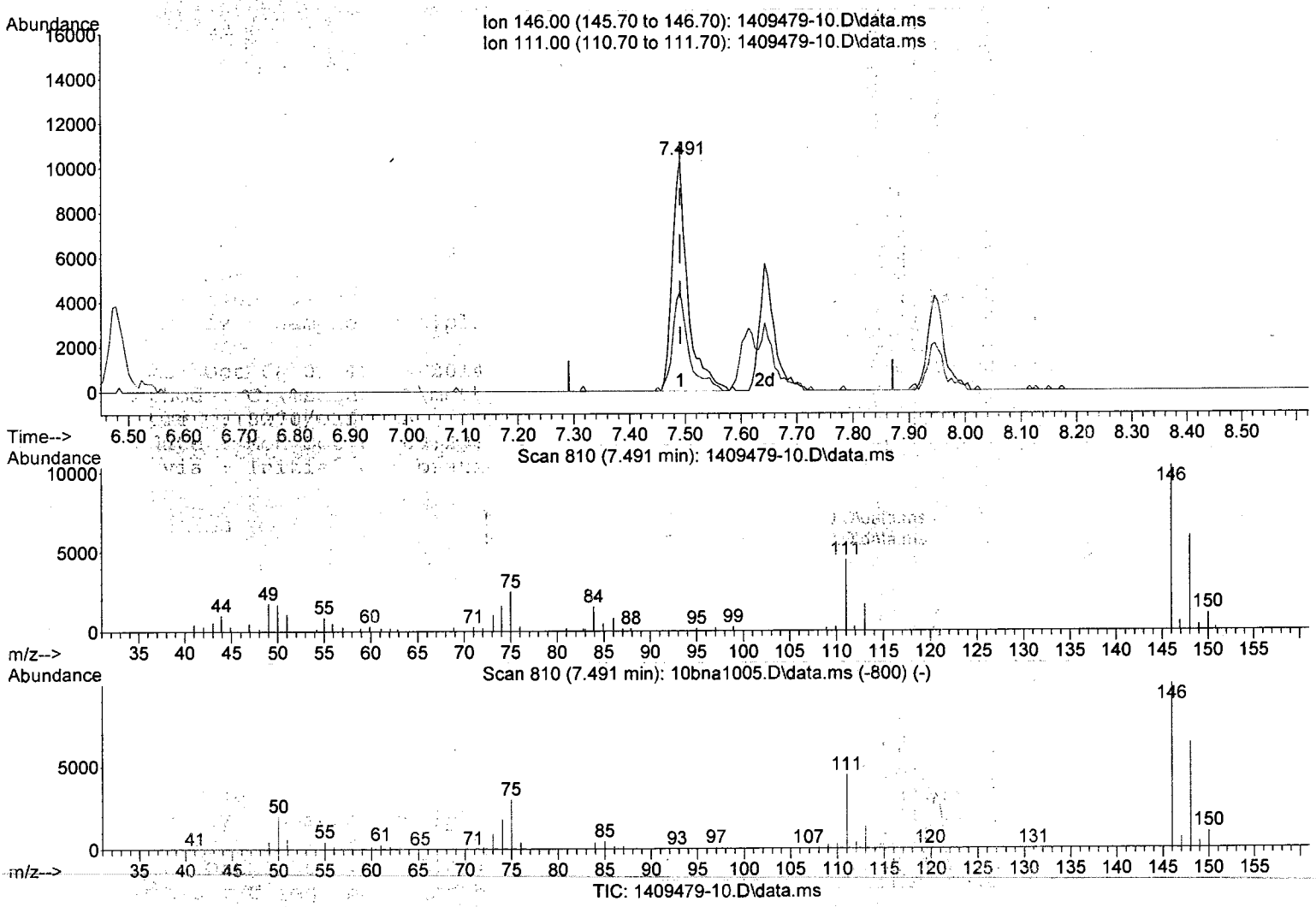
response 9768

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	369.10#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(10) 1,3-Dichlorobenzene

7.491min (+ 0.000) 0.15 ng/uL

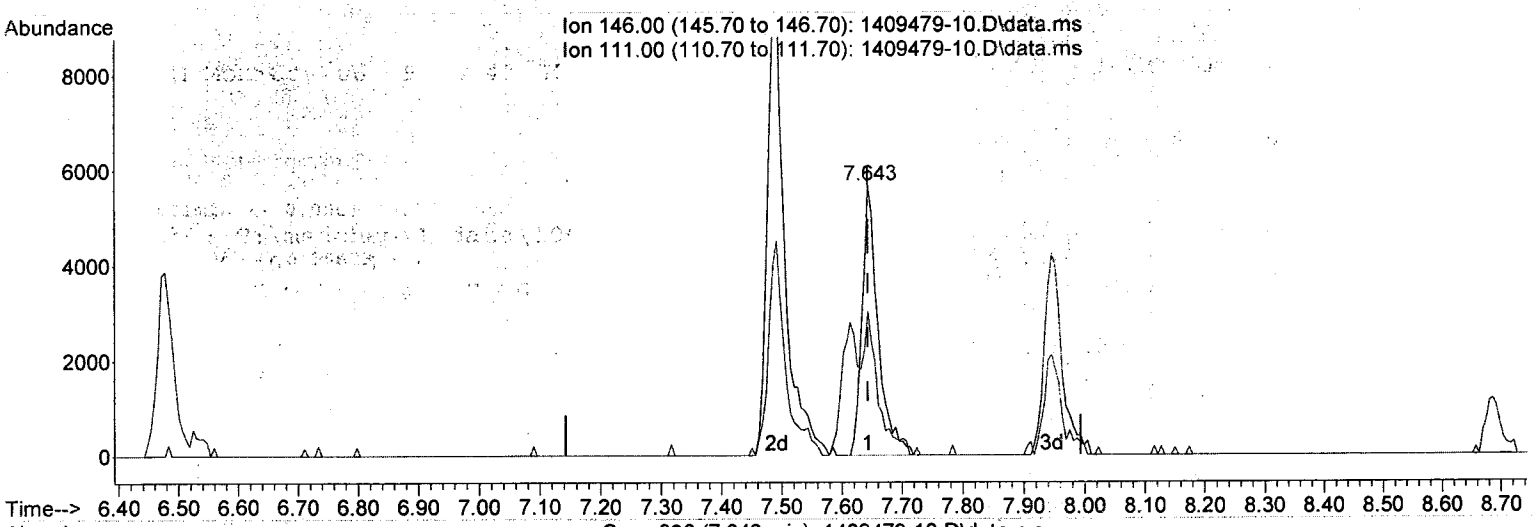
response 19873

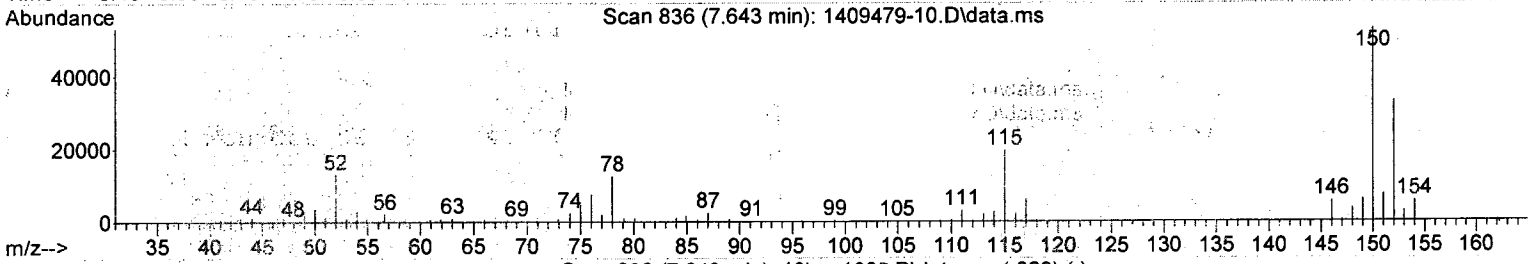
Ion	Exp%	Act%
146.00	100.00	100.00
111.00	41.20	45.13
0.00	0.00	0.00
0.00	0.00	0.00

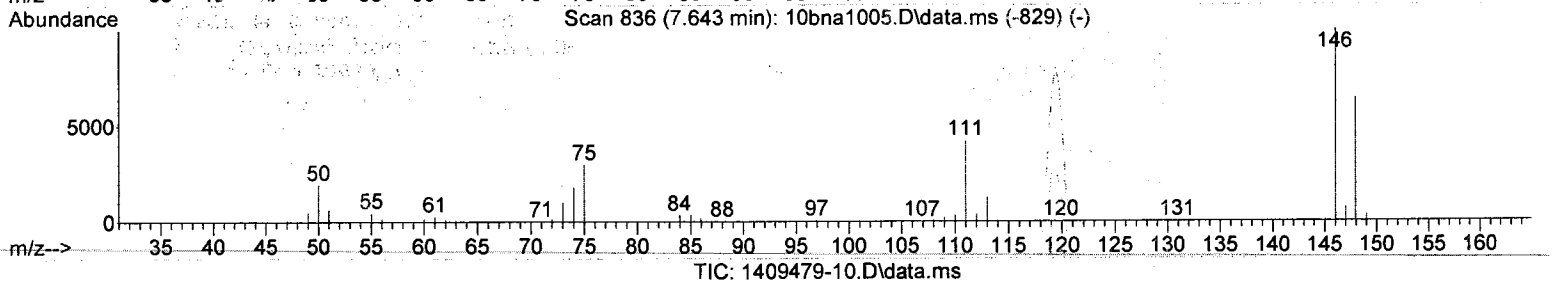
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-10.D\data.ms

(11) 1,4-Dichlorobenzene (C)

7.643min (+ 0.000) 0.08 ng/uL

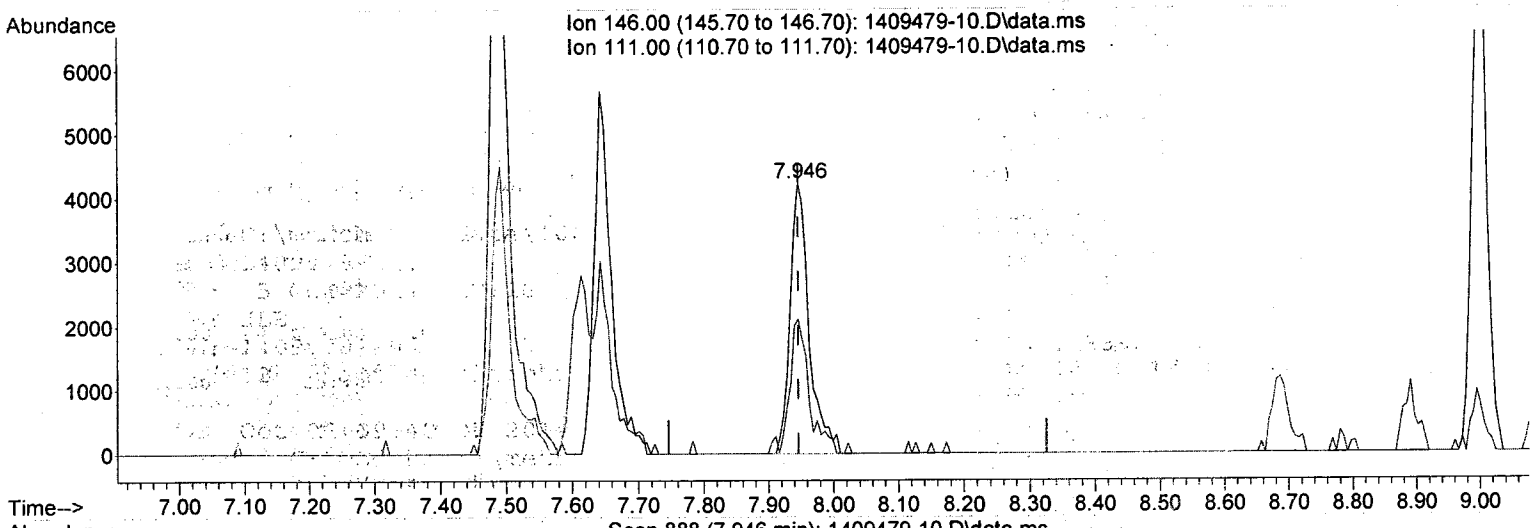
response 10529

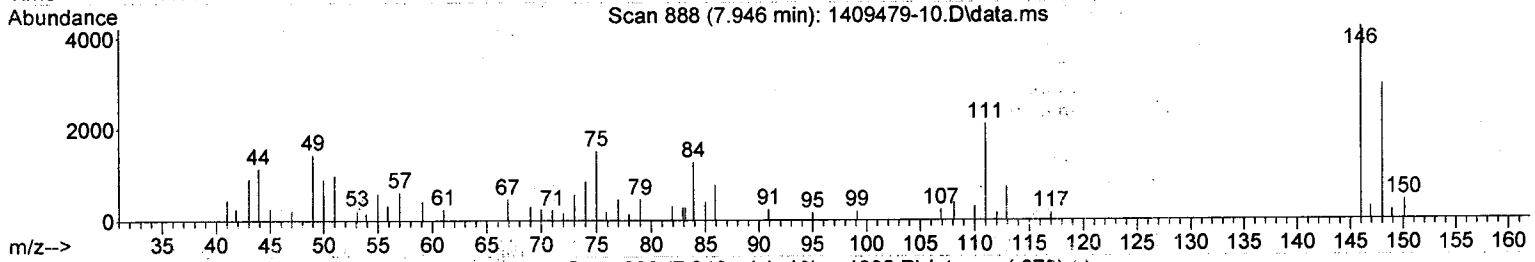
Ion	Exp%	Act%
146.00	100.00	100.00
111.00	39.70	47.46
0.00	0.00	0.00
0.00	0.00	0.00

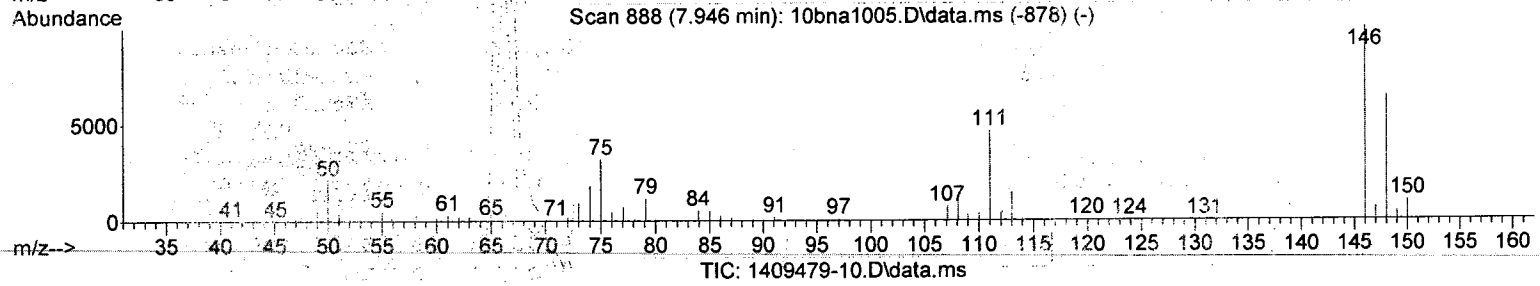
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-10.D\data.ms

(12) 1,2-Dichlorobenzene

7.946min (+ 0.000) 0.07 ng/uL

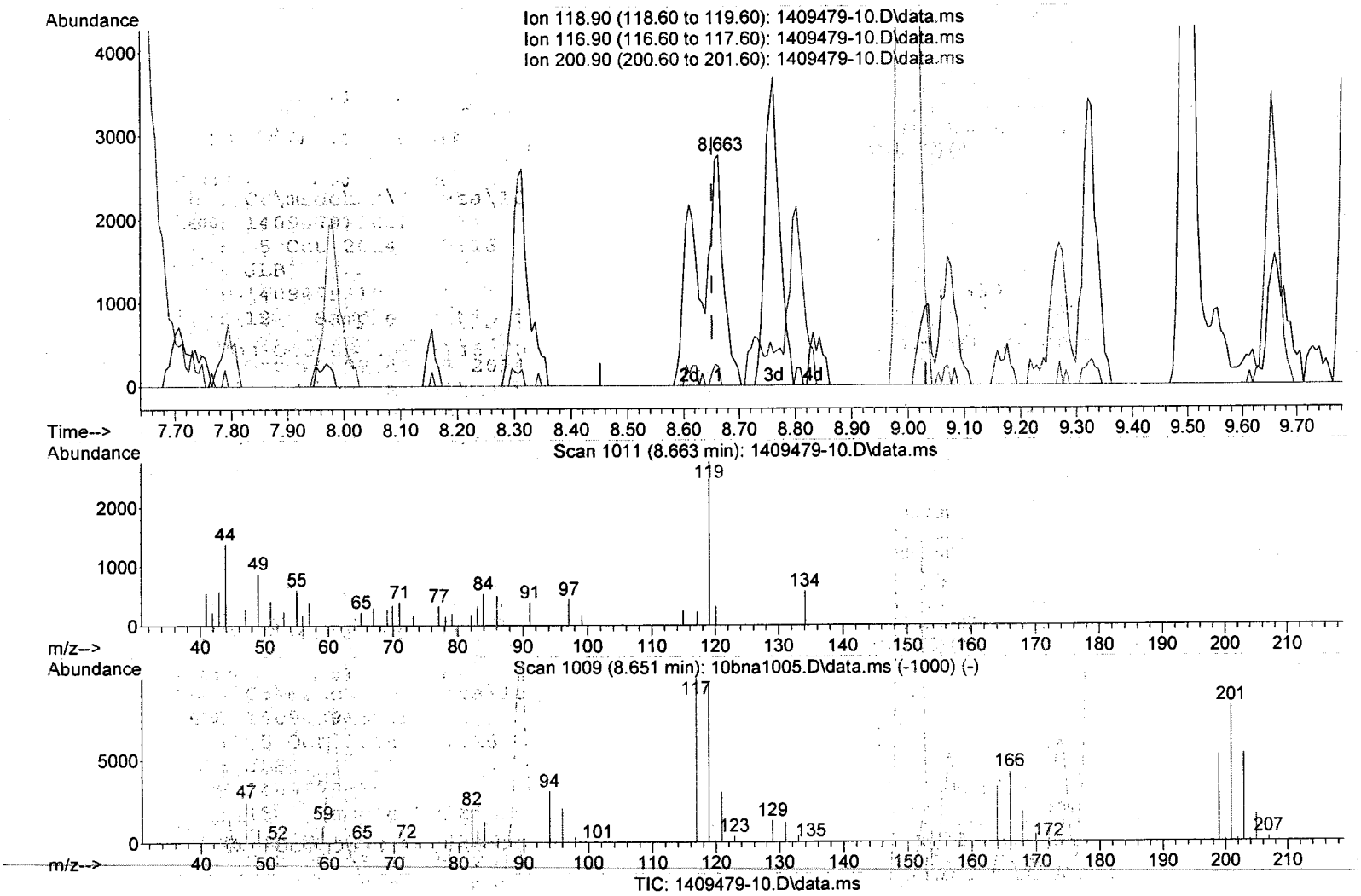
response 8613

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	41.70	51.74#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(17) Hexachloroethane

8.663min (+ 0.012) 0.09 ng/uL

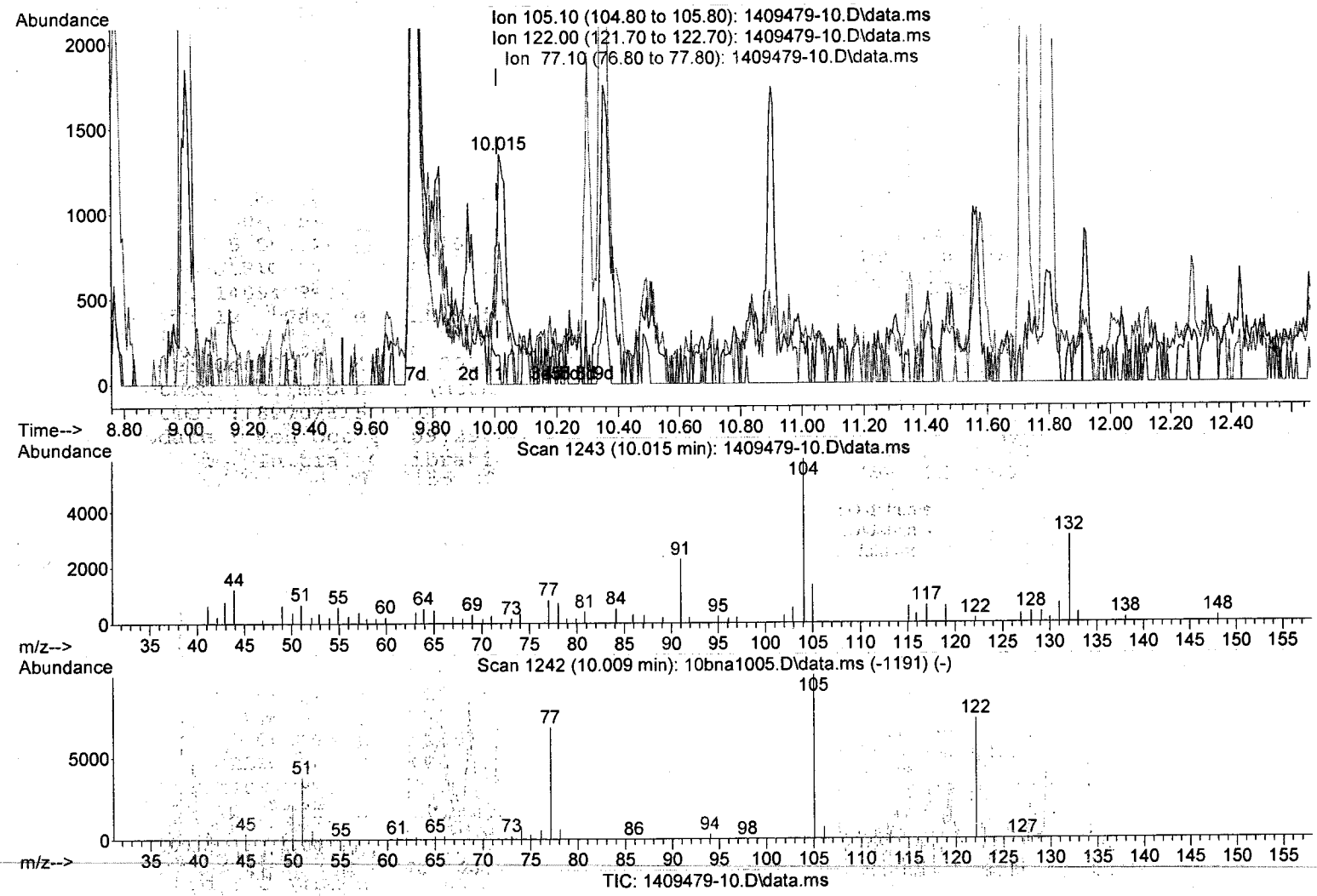
response 4577

Ion	Exp%	Act%
118.90	100.00	100.00
116.90	100.10	0.00#
200.90	85.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(30) Benzoic Acid

10.015min (+ 0.006) 2.50 ng/uL

response 4369

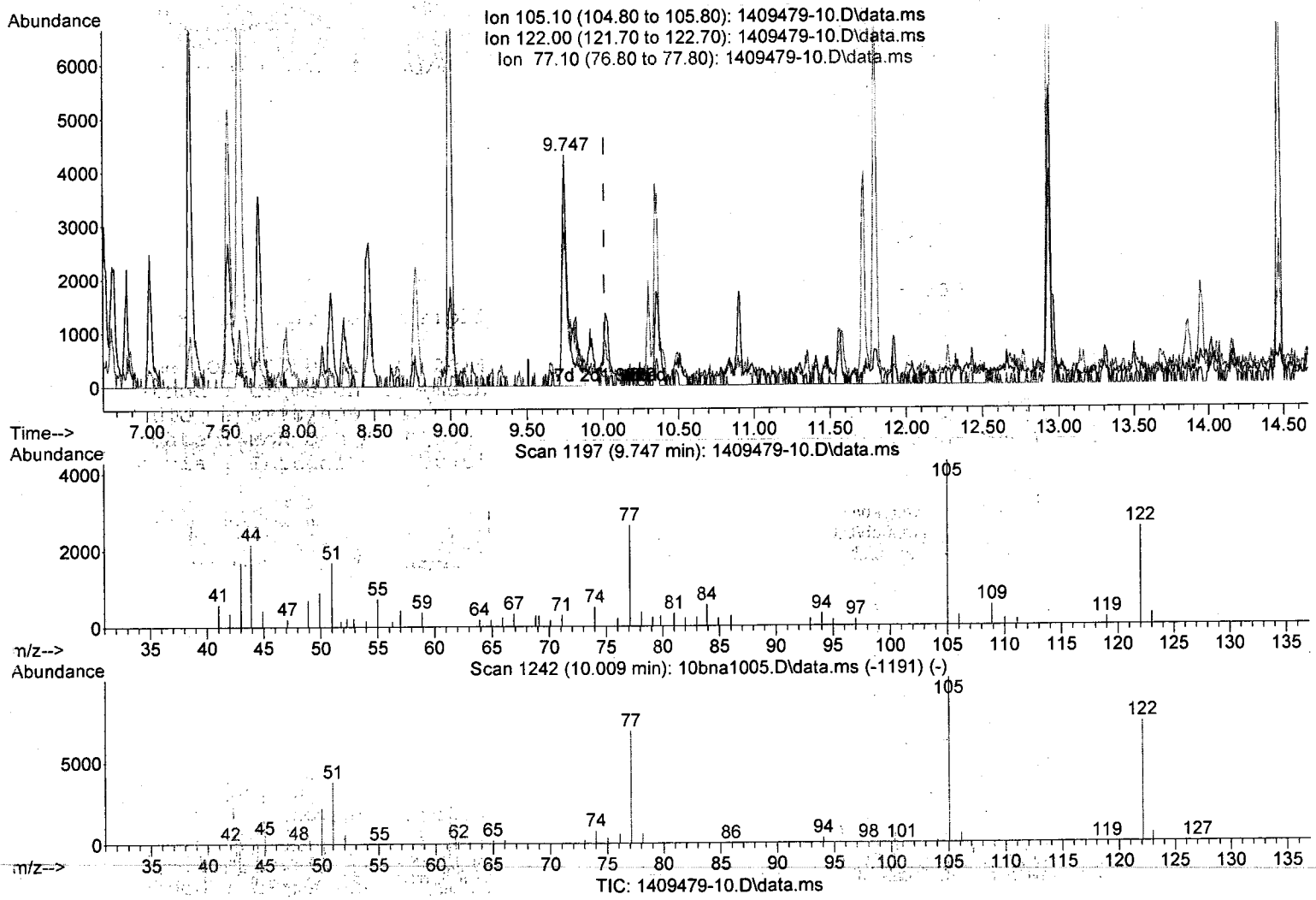
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	5.79#
77.10	74.70	45.48#
0.00	0.00	0.00

JWS 10/7/14
DWS
10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.747min (-0.262) 2.59 ng/uL m

response 13528

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	1.87#
77.10	74.70	14.69#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

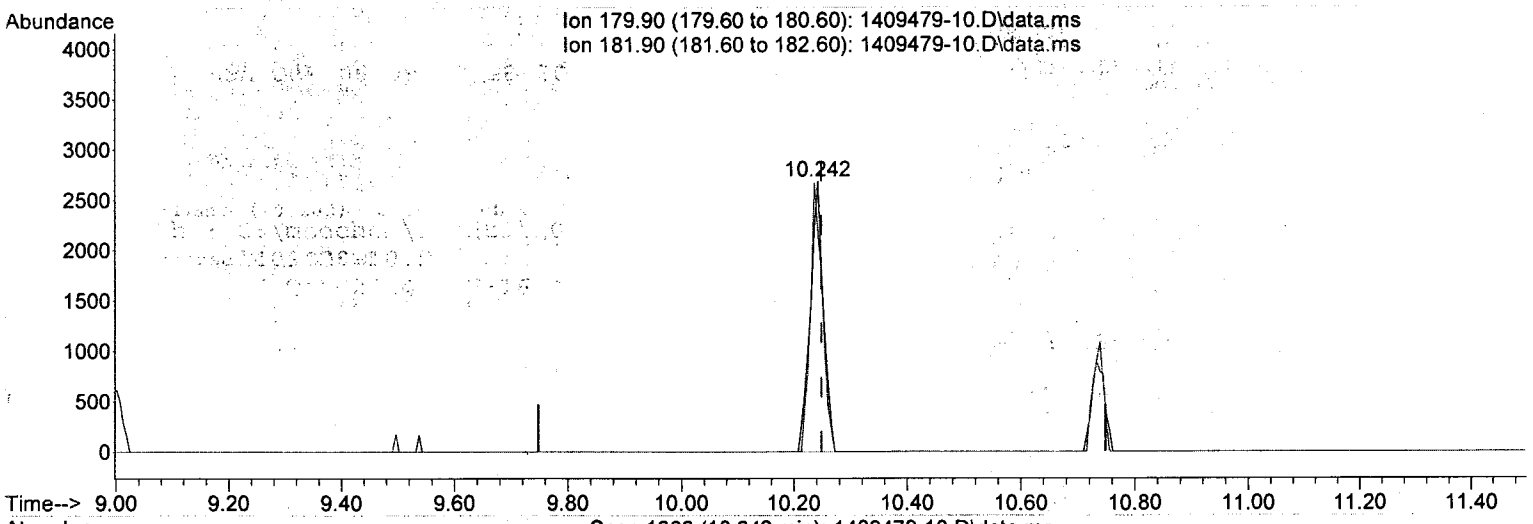
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/7/14
Reviewed By: DW Date: 10-17-14

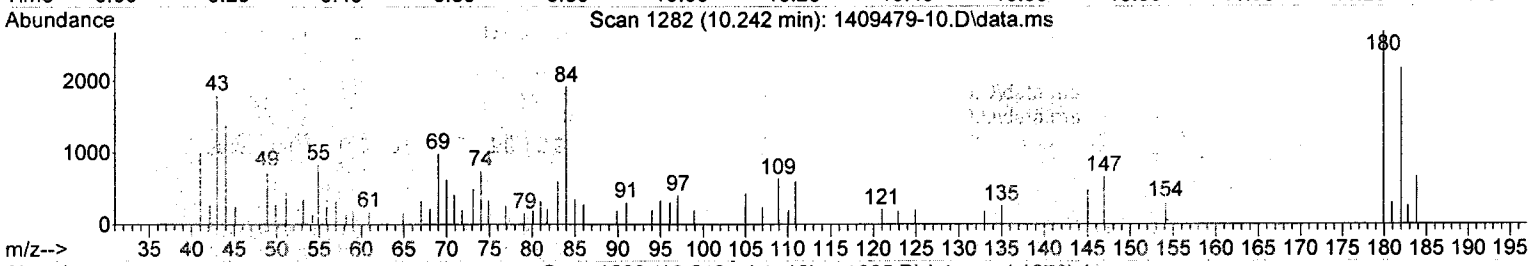
002794

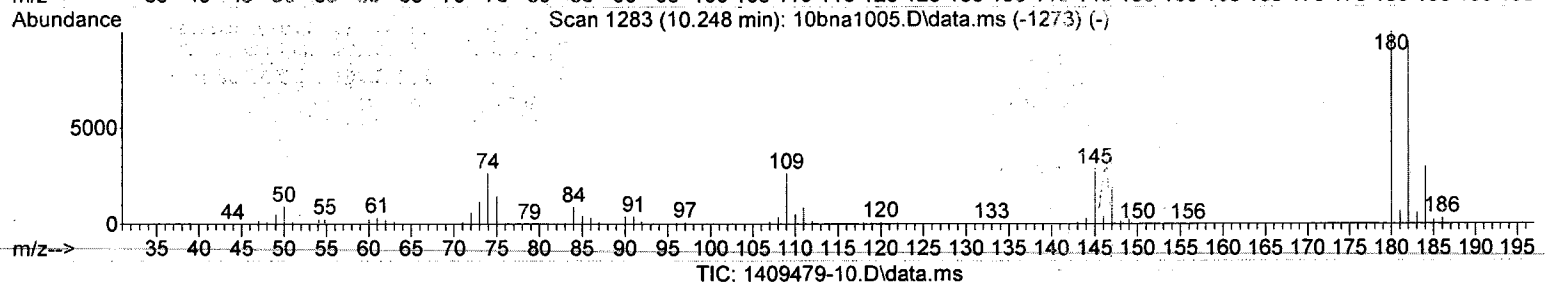
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-10.D\data.ms

(31) 1,2,4-Trichlorobenzene

10.242min (-0.006) 0.04 ng/uL

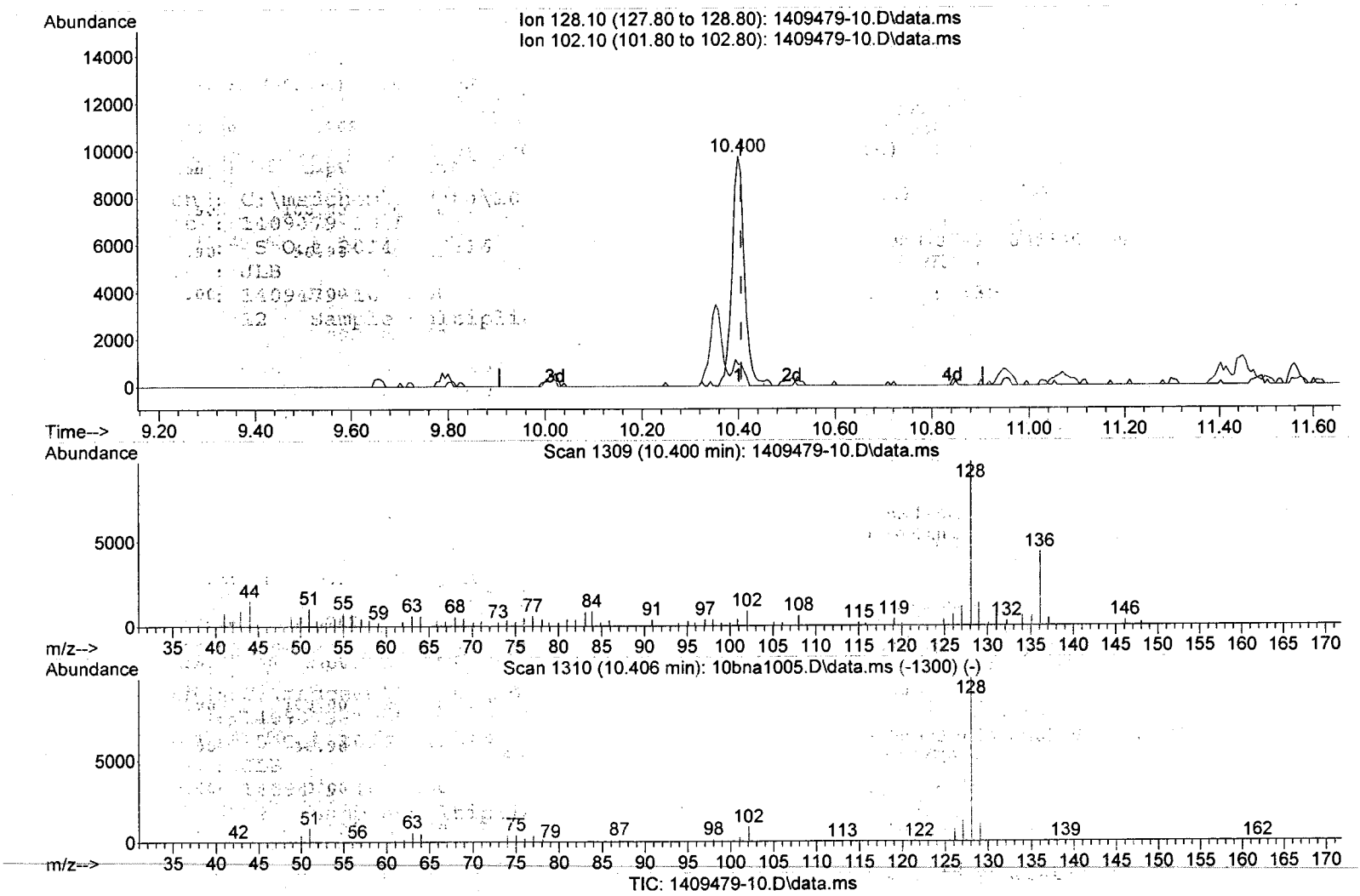
response 4268

Ion	Exp%	Act%
179.90	100.00	100.00
181.90	95.90	90.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(32) Naphthalene

10.400min (-0.006) 0.05 ng/uL

response 16942

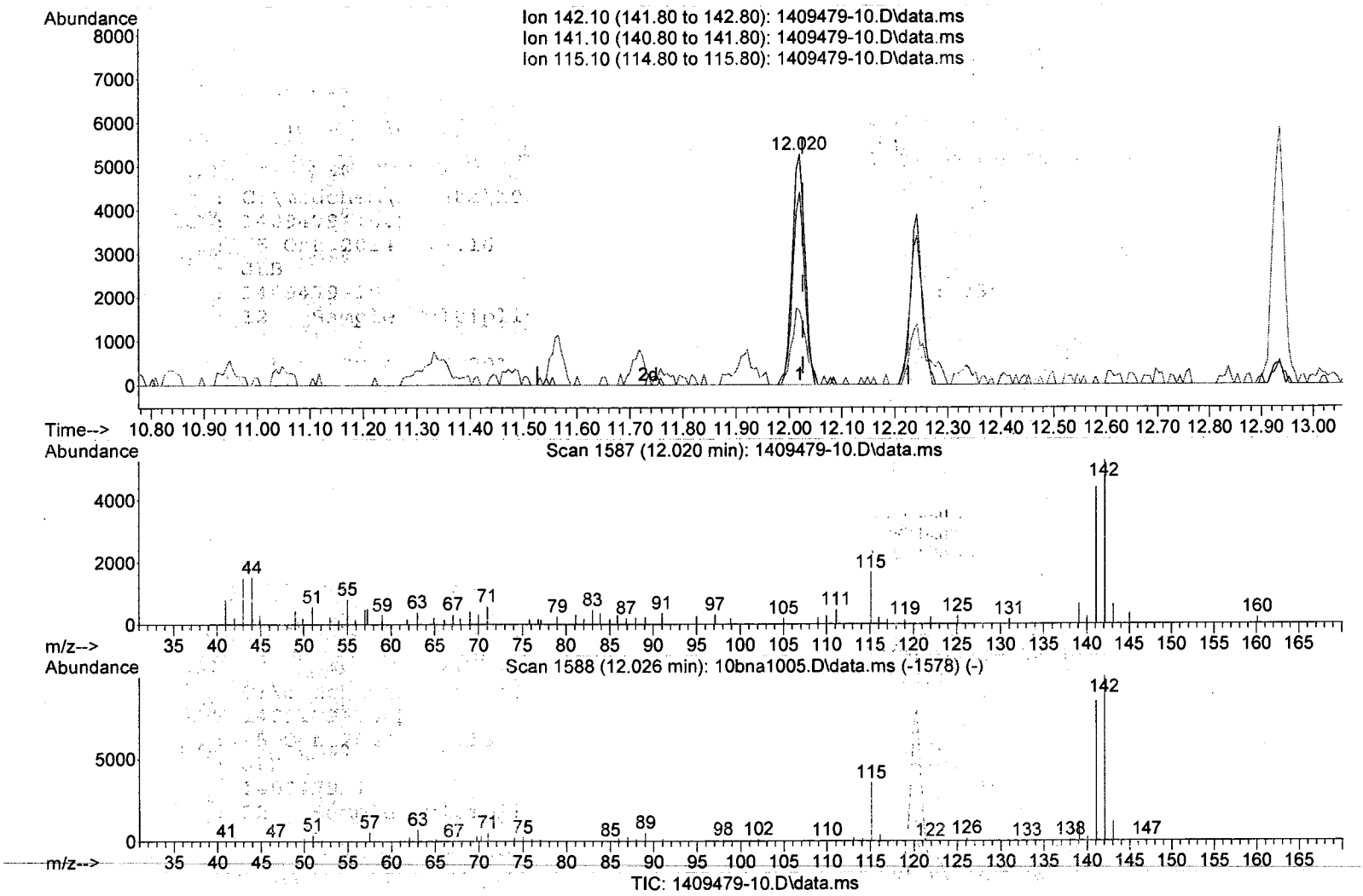
Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	9.31
0.00	0.00	0.00
0.00	0.00	0.00

002796

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(39) 2-Methylnaphthalene

12.020min (-0.006) 0.04 ng/uL

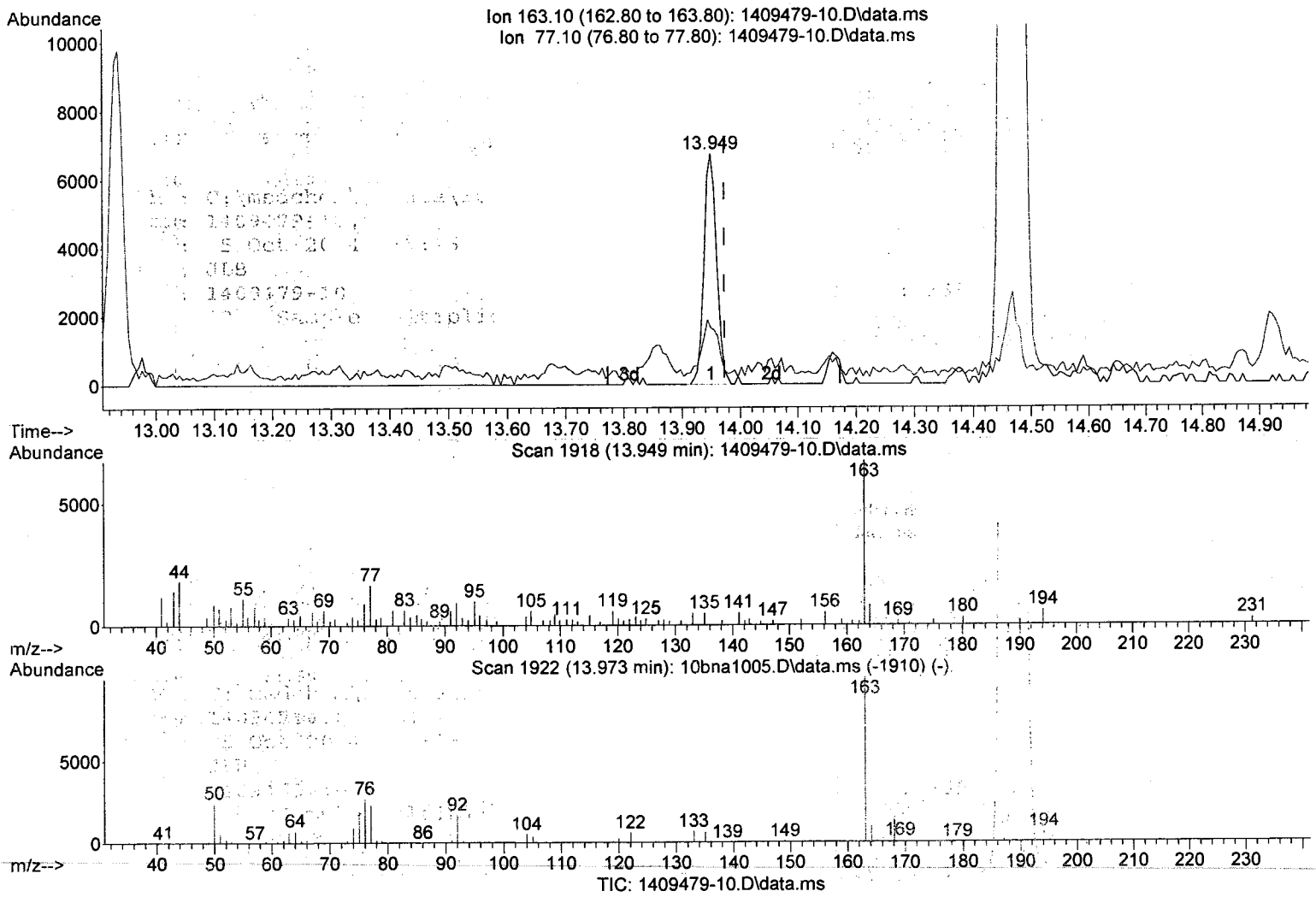
response 8730

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	81.64
115.10	33.50	37.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(53) Dimethyl Phthalate

13.949min (-0.023) 0.05 ng/uL

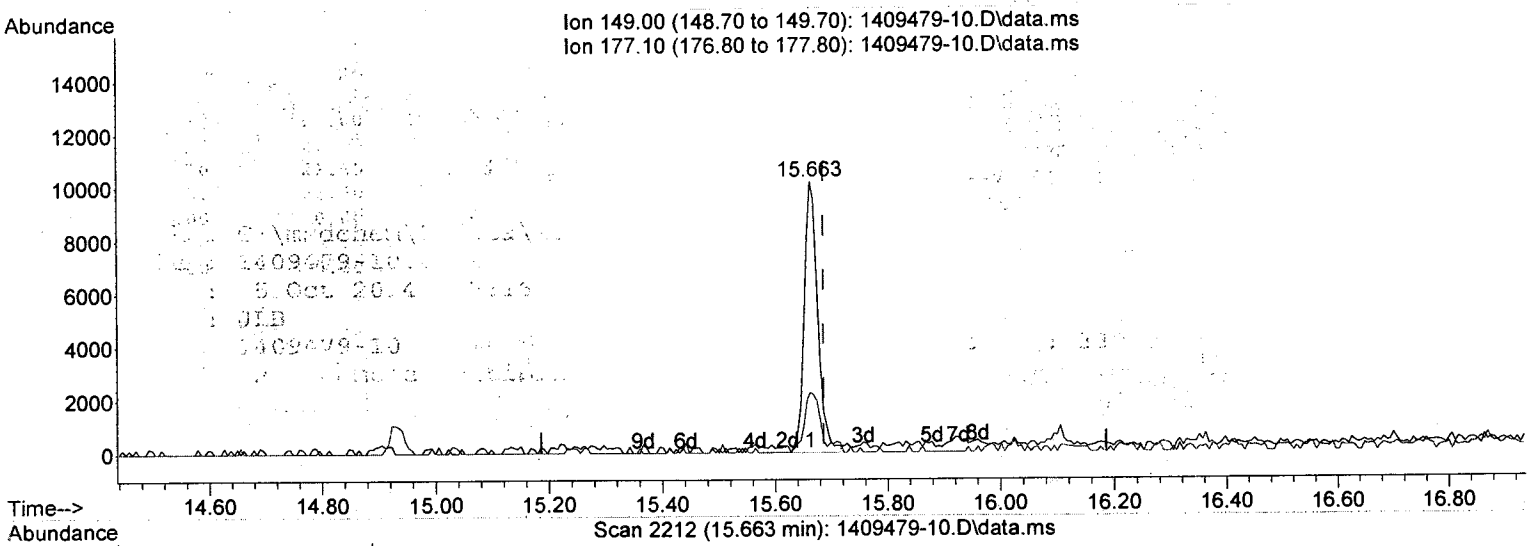
response 10168

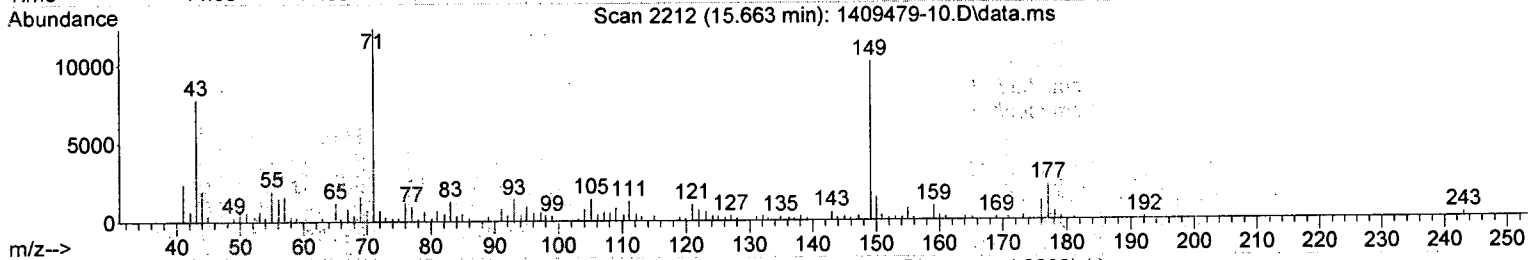
Ion	Exp%	Act%
163.10	100.00	100.00
77.10	22.60	31.49#
0.00	0.00	0.00
0.00	0.00	0.00

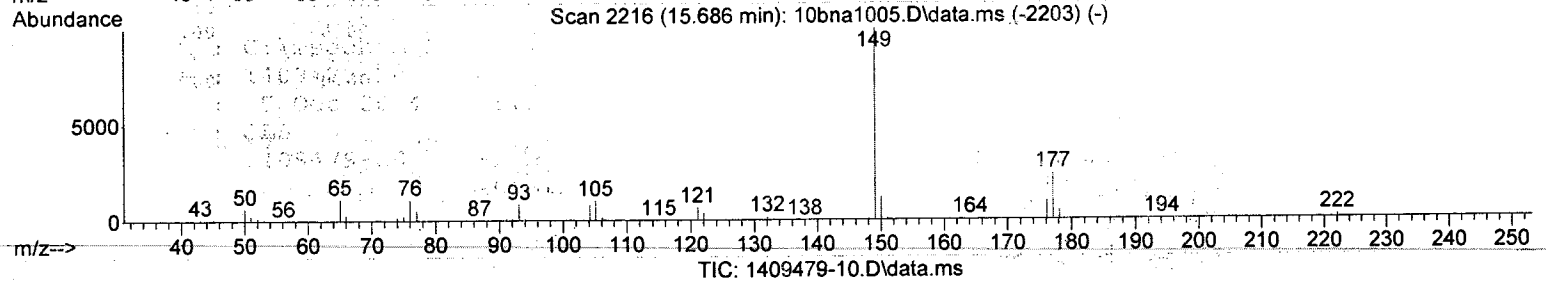
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-10.D\data.ms

(63) Diethyl Phthalate

15.663min (-0.023) 0.09 ng/uL

response 17122

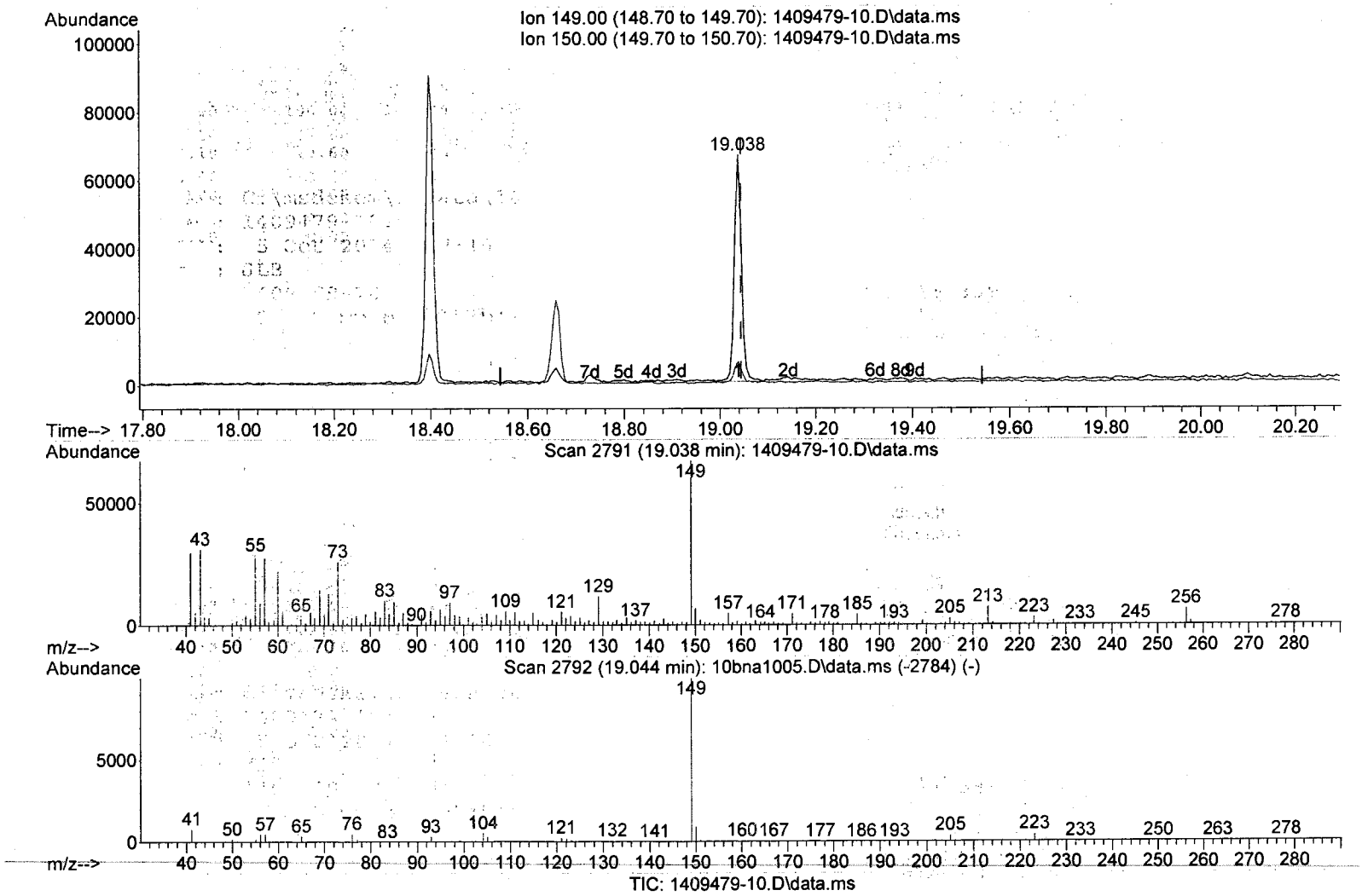
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	24.95
0.00	0.00	0.00
0.00	0.00	0.00

002799

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409479-10.D\data.ms

(79) Di-n-butyl Phthalate

19.038min (-0.006) 0.22 ng/uL

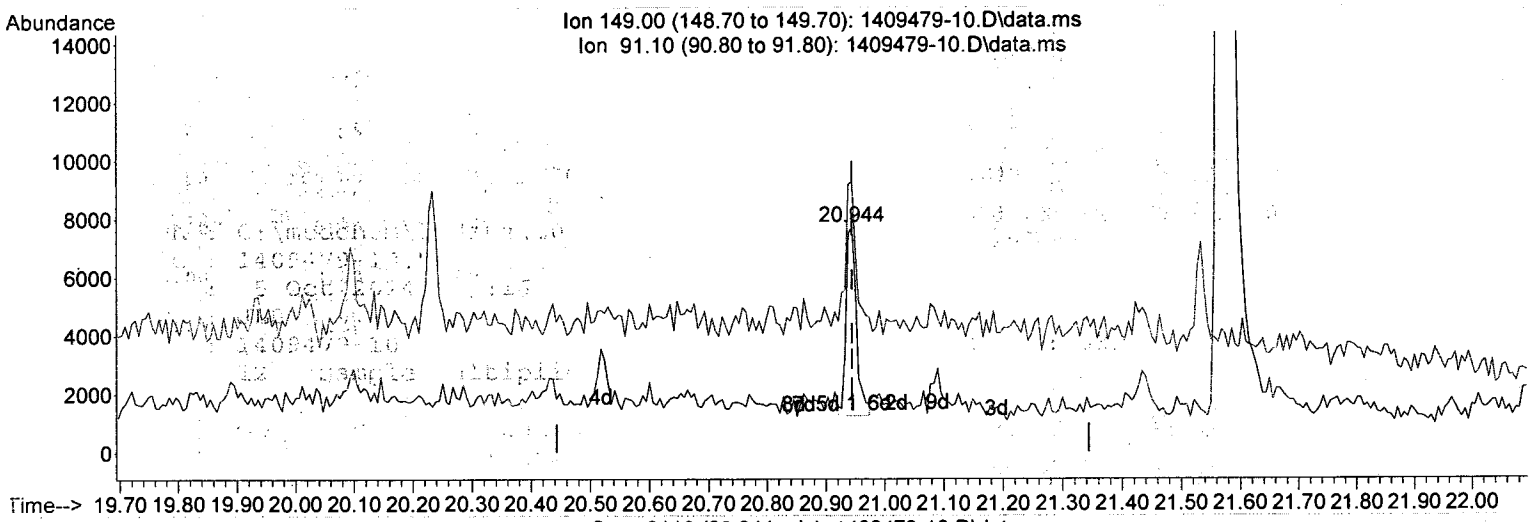
response 67790

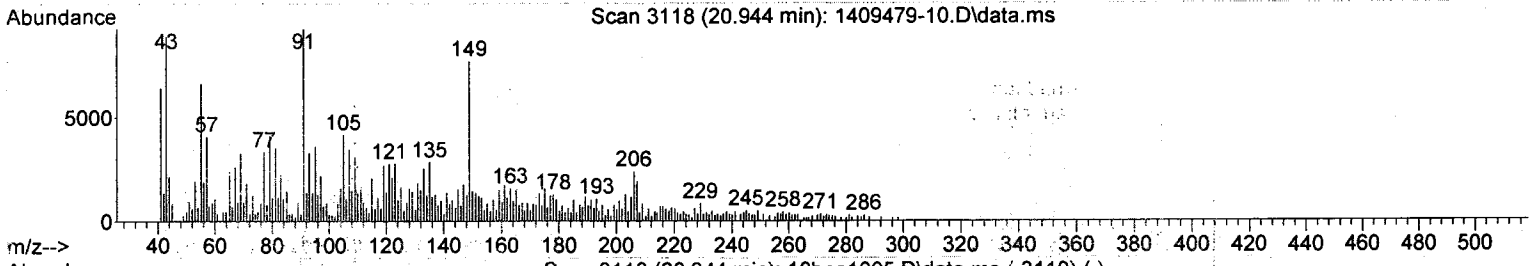
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	10.45
0.00	0.00	0.00
0.00	0.00	0.00

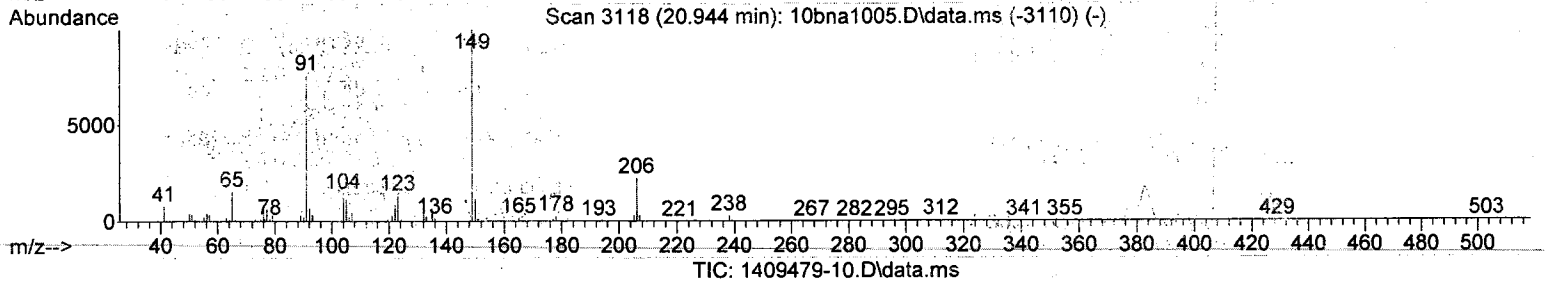
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-10.D\data.ms

(83) Butyl Benzyl Phthalate

20.944min (+ 0.000) 0.06 ng/uL

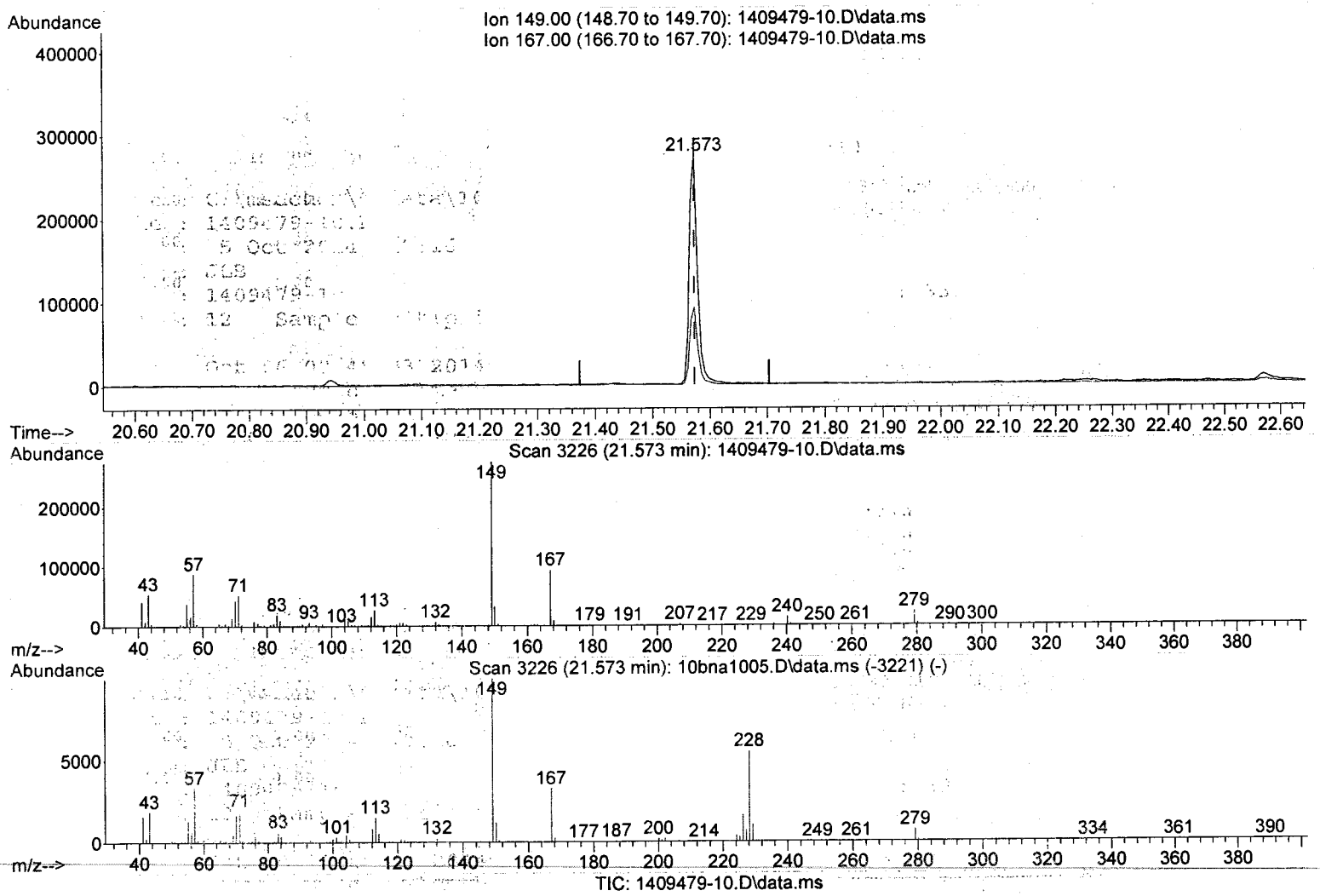
response 7855

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	94.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.573min (+ 0.000) 1.65 ng/uL

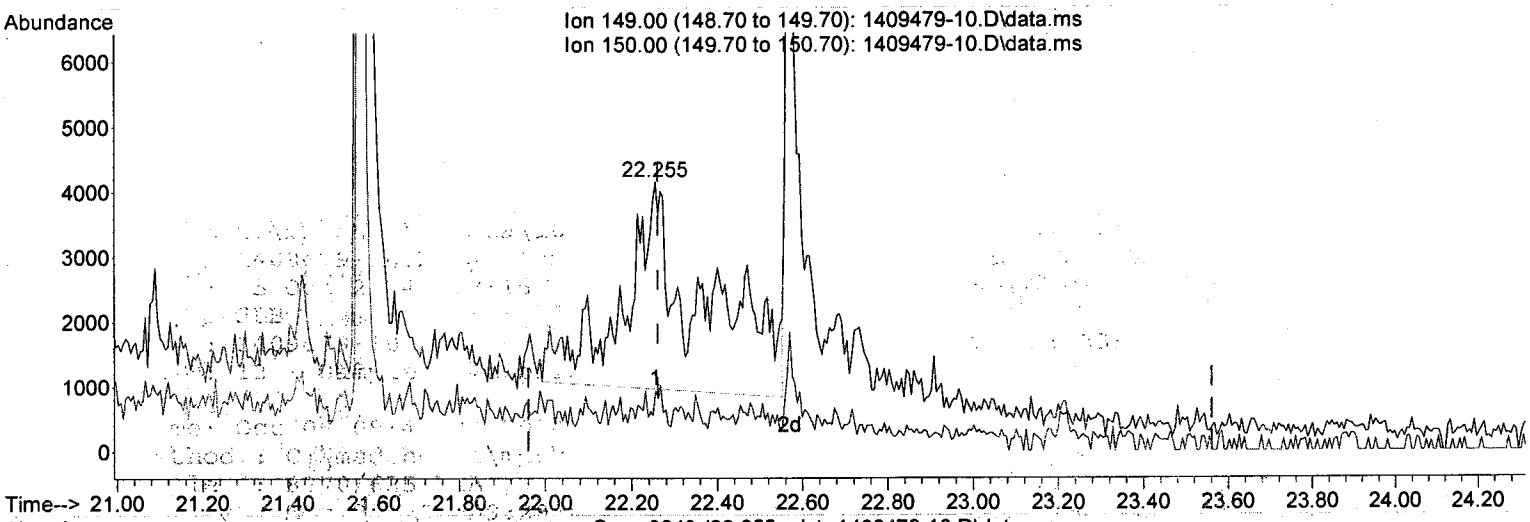
response 270010

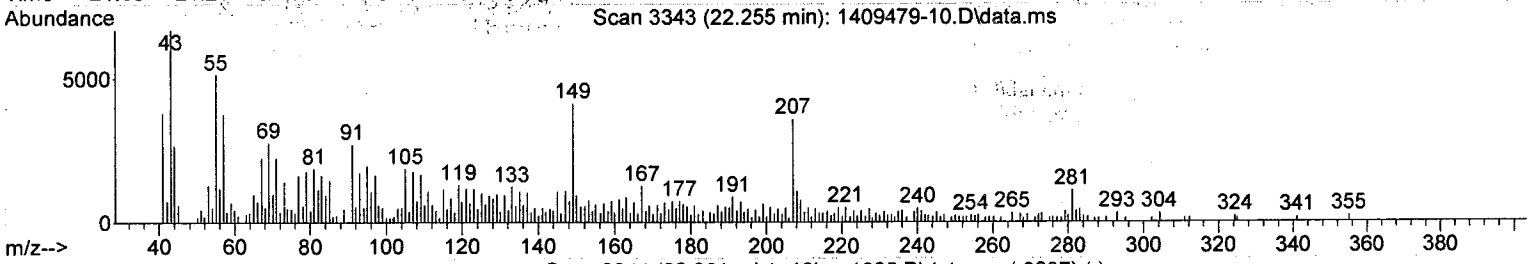
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.20
0.00	0.00	0.00
0.00	0.00	0.00

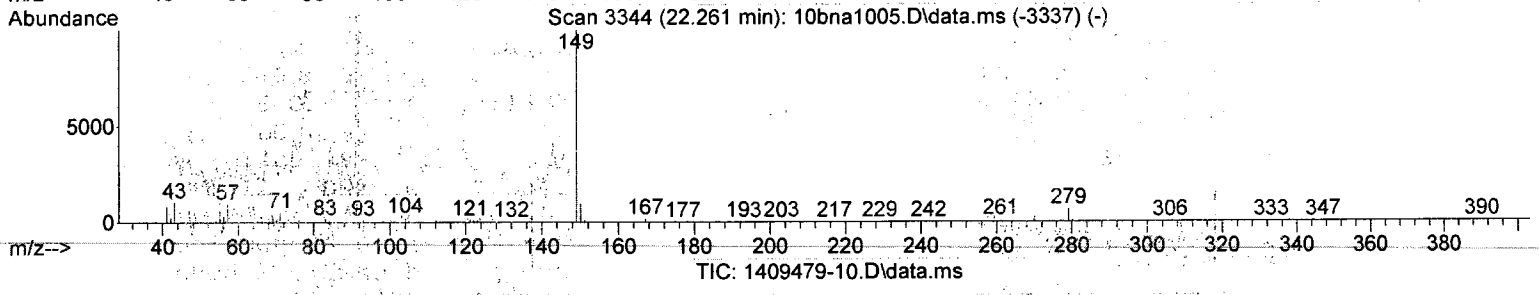
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-10.D
Acq On : 5 Oct 2014 17:16
Operator : JLB
Sample : 1409479-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 09:48:23 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-10.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.255min (-0.006) 0.48 ng/uL

response 41562

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.86#
0.00	0.00	0.00
0.00	0.00	0.00

002803

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW03-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-11 File ID: 1409479-11.D

Sampled: 09/25/14 12:00 Prepared: 09/29/14 07:52 Analyzed: 10/05/14 17:48

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 920 mL / 1 mL

QC Batch: 1410325 Sequence: 4J06027 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	0.11	0.036	0.11	0.54	J
208-96-8	Acenaphthylene	1	0.054	0.019	0.054	0.54	U
120-12-7	Anthracene	1	0.22	0.067	0.22	0.54	U
56-55-3	Benzo(a)anthracene	1	0.11	0.049	0.11	0.54	U
50-32-8	Benzo(a)pyrene	1	0.11	0.044	0.11	0.54	U
205-99-2	Benzo(b)fluoranthene	1	0.22	0.063	0.22	0.54	U
207-08-9	Benzo(k)fluoranthene	1	0.22	0.065	0.22	0.54	U
191-24-2	Benzo(g,h,i)perylene	1	0.22	0.066	0.22	0.54	U
65-85-0	Benzoic Acid	1	2.8	0.52	2.2	5.4	J
100-51-6	Benzyl Alcohol	1	0.14	0.053	0.11	0.54	J
101-55-3	4-Bromophenyl Phenyl Ether	1	0.11	0.047	0.11	0.54	U
85-68-7	Butyl Benzyl Phthalate	1	0.12	0.061	0.22	1.1	J
86-74-8	Carbazole	1	0.22	0.076	0.22	0.54	U
59-50-7	4-Chloro-3-methylphenol	1	0.27	0.12	0.27	0.54	U
106-47-8	4-Chloroaniline	1	0.27	0.11	0.27	1.1	U
111-91-1	Bis(2-chloroethoxy)methane	1	0.054	0.020	0.054	0.54	U
111-44-4	Bis(2-chloroethyl) Ether	1	0.054	0.026	0.054	0.54	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	0.11	0.028	0.11	0.54	U
91-58-7	2-Chloronaphthalene	1	0.054	0.019	0.054	0.54	U
95-57-8	2-Chlorophenol	1	0.11	0.029	0.11	0.54	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	0.11	0.052	0.11	0.54	U
218-01-9	Chrysene	1	0.11	0.049	0.11	0.54	U
53-70-3	Dibenz(a,h)anthracene	1	0.27	0.12	0.27	0.54	U
132-64-9	Dibenzofuran	1	0.065	0.044	0.11	0.54	J
84-74-2	Di-n-butyl Phthalate	1	0.35	0.15	1.1	1.1	J
106-46-7	1,4-Dichlorobenzene	1	0.26	0.021	0.054	0.54	J
95-50-1	1,2-Dichlorobenzene	1	0.38	0.043	0.11	0.54	J
541-73-1	1,3-Dichlorobenzene	1	0.27	0.045	0.11	0.54	J
91-94-1	3,3′-Dichlorobenzidine	1	0.54	0.13	0.54	1.1	U
120-83-2	2,4-Dichlorophenol	1	0.22	0.099	0.22	0.54	U
84-66-2	Diethyl Phthalate	1	0.13	0.071	0.27	0.54	J
105-67-9	2,4-Dimethylphenol	1	0.54	0.18	0.54	1.1	U
131-11-3	Dimethyl Phthalate	1	0.065	0.049	0.11	0.54	J
534-52-1	4,6-Dinitro-2-methylphenol	1	4.3	1.1	4.3	5.4	U
51-28-5	2,4-Dinitrophenol	1	5.4	1.3	5.4	5.4	U
606-20-2	2,6-Dinitrotoluene	1	0.22	0.087	0.22	0.54	U
121-14-2	2,4-Dinitrotoluene	1	0.11	0.052	0.11	0.54	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW03-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409479-11 File ID: 1409479-11.D

Sampled: 09/25/14 12:00 Prepared: 09/29/14 07:52 Analyzed: 10/05/14 17:48

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 920 mL / 1 mL

QC Batch: 1410325 Sequence: 4J06027 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	0.22	0.083	0.22	0.54	U
122-66-7	1,2-Diphenylhydrazine	1	0.11	0.088	0.11	0.54	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	2.6	0.12	0.54	0.54	**B**
206-44-0	Fluoranthene	1	0.22	0.068	0.22	0.54	U
86-73-7	Fluorene	1	0.18	0.045	0.11	0.54	**J**
118-74-1	Hexachlorobenzene	1	0.22	0.068	0.22	0.54	U
87-68-3	Hexachlorobutadiene	1	0.11	0.043	0.11	0.54	U
67-72-1	Hexachloroethane	1	0.11	0.045	0.11	0.54	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.27	0.087	0.27	0.54	U
78-59-1	Isophorone	1	0.11	0.049	0.11	0.54	U
91-57-6	2-Methylnaphthalene	1	0.68	0.016	0.054	0.54	
108-39-4	3+4-Methylphenol	1	0.22	0.062	0.22	5.4	U
95-48-7	2-Methylphenol	1	0.22	0.052	0.22	0.54	U
91-20-3	Naphthalene	1	0.52	0.033	0.11	0.54	**J**
100-01-6	4-Nitroaniline	1	1.1	0.36	1.1	1.1	U
88-74-4	2-Nitroaniline	1	0.54	0.13	0.54	0.54	U
99-09-2	3-Nitroaniline	1	0.54	0.27	0.54	1.1	U
98-95-3	Nitrobenzene	1	0.22	0.064	0.22	0.54	U
88-75-5	2-Nitrophenol	1	0.22	0.052	0.22	0.54	U
100-02-7	4-Nitrophenol	1	5.4	1.4	5.4	5.4	U
62-75-9	N-Nitroso-dimethylamine	1	0.11	0.050	0.11	0.54	U
86-30-6	N-Nitroso-diphenylamine	1	0.22	0.073	0.22	0.54	U
621-64-7	N-Nitroso-di-n-propylamine	1	0.22	0.082	0.22	0.54	U
87-86-5	Pentachlorophenol	1	0.54	0.14	0.54	0.54	U
85-01-8	Phenanthrene	1	0.17	0.046	0.11	0.54	**J**
108-95-2	Phenol	1	0.098	0.037	0.11	0.54	**J**
129-00-0	Pyrene	1	0.22	0.071	0.22	0.54	U
120-82-1	1,2,4-Trichlorobenzene	1	0.11	0.029	0.11	0.54	**J**
95-95-4	2,4,5-Trichlorophenol	1	0.27	0.11	0.27	0.54	U
88-06-2	2,4,6-Trichlorophenol	1	0.27	0.092	0.27	0.54	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	21.7	10.3	47	19 - 119	
Phenol-d6	21.7	6.62	30	18 - 45	
Nitrobenzene-d5	10.9	8.89	82	44 - 120	
2-Fluorobiphenyl	10.9	9.13	84	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW03-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409479-11
File ID: 1409479-11.D
Sampled: 09/25/14 12:00
Prepared: 09/29/14 07:52
Analyzed: 10/05/14 17:48
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 920 mL / 1 mL
QC Batch: 1410325
Sequence: 4J06027
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	21.7	19.8	91	43 - 140	
o-Terphenyl	10.9	9.62	88	42 - 125	

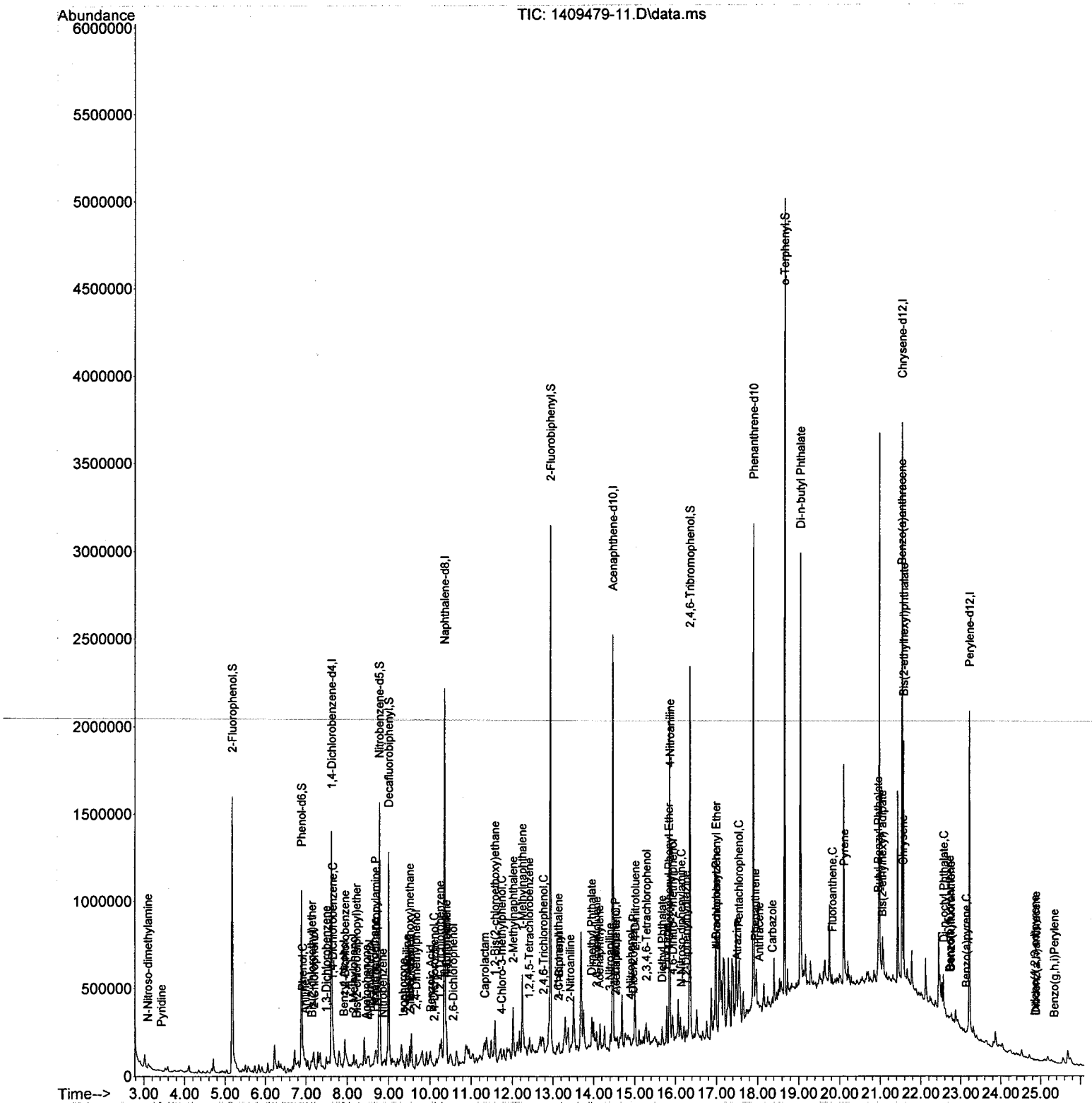
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	451594	7.614	403279	7.614	
Naphthalene-d8	1725262	10.353	1529030	10.359	
Acenaphthene-d10	956335	14.468	866604	14.474	
Phenanthrene-d10	1522938	17.901	1400442	17.901	
Chrysene-d12	1298170	21.533	1153654	21.538	
Perylene-d12	1036674	23.211	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.614	152	451594	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.353	136	1725262	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.468	164	956335	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.901	188	1522938	5.00	ng/uL	0.00
81) Chrysene-d12	21.533	240	1298170	5.00	ng/uL	# 0.00
89) Perylene-d12	23.211	264	1036674	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	976173	9.46	ng/uL	0.00
6) Phenol-d6	6.891	99	813839	6.09	ng/uL	-0.02
21) Nitrobenzene-d5	8.774	82	902451	8.18	ng/uL	-0.01
23) Decafluorobiphenyl	9.001	334	531686	6.88	ng/uL	0.00
47) 2-Fluorobiphenyl	12.935	172	1660404	8.40	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.357	330	419720	18.17	ng/uL	0.00
78) o-Terphenyl	18.659	230	1155361	8.85	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.097	74	154	0.00	ng/uL#	1
3) Pyridine	3.435	79	167	0.00	ng/uL	95
5) Aniline	6.978	93	1880	0.24	ng/uL#	33
7) Phenol	6.914	94	13003	0.09	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.142	93	248	0.00	ng/uL	85
9) 2-Chlorophenol	7.188	128	347	0.00	ng/uL#	1
10) 1,3-Dichlorobenzene	7.486	146	32716	0.25	ng/uL#	83
11) 1,4-Dichlorobenzene	7.643	146	31024	0.24	ng/uL	99
12) 1,2-Dichlorobenzene	7.946	146	42296	0.35	ng/uL#	68
13) Bis(2-chloroisipropyl)...	8.226	45	770	0.00	ng/uL#	84
14) Benzyl Alcohol	7.917	108	9992	0.13	ng/uL	80
15) 2-Methylphenol	8.150	108	2851	0.03	ng/uL#	62
16) Acetophenone	8.459	105	11464	0.07	ng/uL#	55
17) Hexachloroethane	8.657	119	32571	0.67	ng/uL#	7
18) 4-Methylphenol	8.541	108	123	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.686	70	12007	0.15	ng/uL#	77
22) Nitrobenzene	8.855	77	324	0.00	ng/uL#	53
24) Isophorone	9.357	82	3658	0.02	ng/uL	98
25) 2-Chloroaniline	9.444	127	955	0.01	ng/uL#	1
26) 2-Nitrophenol	9.520	139	241	0.00	ng/uL#	26
27) 2,4-Dimethylphenol	9.665	107	1430	0.01	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.508	93	1660	0.01	ng/uL	99
29) 2,4-Dichlorophenol	10.103	162	3086	0.04	ng/uL#	33
30) Benzoic Acid	10.021	105	13270	2.59	ng/uL#	65
31) 1,2,4-Trichlorobenzene	10.243	180	9919	0.10	ng/uL	98
32) Naphthalene	10.400	128	166336	0.48	ng/uL	99
33) 4-Chloroaniline	10.400	127	17387	0.21	ng/uL	86
34) 2,6-Dichlorophenol	10.569	162	8068	0.09	ng/uL#	16
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.327	55	61075	1.23	ng/uL#	25
37) 1,2-Bis(2-chloroethoxy...	11.577	63	2730	0.02	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.740	107	1544	0.02	ng/uL#	1
39) 2-Methylnaphthalene	12.020	142	139202	0.63	ng/uL	100
40) 1-Methylnaphthalene	12.242	142	241976	1.21	ng/uL	98
41) 1,3 Dinitrobenzene	13.950	168	394	Below Cal		100

002808

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.411	216	59	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	12.766	196	129	0.00 ng/uL#	1
46) 2,4,5-Trichlorophenol	12.766	196	129	0.00 ng/uL#	1
48) 2-Chloronaphthalene	13.134	162	1463	0.01 ng/uL#	1
49) 1,1'-Biphenyl	13.151	154	18346	0.07 ng/uL#	92
50) 2-Nitroaniline	13.425	138	389	0.01 ng/uL#	70
51) Acenaphthylene	14.142	152	3367	0.01 ng/uL#	1
52) 2,6-Dinitrotoluene	14.072	165	4287	P> ~~0.09~~ ng/uL#	38
53) Dimethyl Phthalate	13.950	163	12632	0.06 ng/uL#	1
54) 3-Nitroaniline	14.398	138	236	0.01 ng/uL#	1
55) Acenaphthene	14.544	153	20108	0.10 ng/uL	88
56) 2,4-Dinitrophenol	14.532	184	129	RT ~~2.84~~ ng/uL#	1
57) Dibenzofuran	14.964	168	16038	0.06 ng/uL	98
58) 4-Nitrophenol	14.900	65	1126	0.03 ng/uL#	63
59) 2,4-Dinitrotoluene	15.010	165	3842	~~0.06~~ ng/uL#	50
60) 2,3,5,6-Tetrachlorophenol	0.000		0	P> N.D.	
61) 2,3,4,6-Tetrachlorophenol	15.284	232	62	0.00 ng/uL#	1
62) Fluorene	15.780	166	36440	0.17 ng/uL#	95
63) Diethyl Phthalate	15.669	149	24330	0.12 ng/uL#	85
64) 4-Chlorophenyl Phenyl ...	15.838	204	561	0.01 ng/uL#	1
65) 4-Nitroaniline	15.867	138	1279	0.04 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.937	198	438	RT ~~1.00~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.141	169	9974	P> ~~0.06~~ ng/uL#	55
69) 1,2-Diphenylhydrazine	16.258	182	18906	P> ~~0.31~~ ng/uL#	32
71) 4-Bromophenyl Phenyl E...	16.992	248	52	0.00 ng/uL#	2
72) Hexachlorobenzene	16.992	284	620	0.01 ng/uL#	7
73) Atrazine	17.499	200	855	0.02 ng/uL	89
74) Pentachlorophenol	17.540	266	1908	0.06 ng/uL#	1
75) Phenanthrene	17.942	178	47157	0.16 ng/uL	95
76) Anthracene	18.035	178	6370	0.02 ng/uL#	89
77) Carbazole	18.362	167	4263	0.02 ng/uL#	56
79) Di-n-butyl Phthalate	19.044	149	95064	0.32 ng/uL#	92
80) Fluoroanthene	19.819	202	5173	0.02 ng/uL#	87
82) Pyrene	20.110	202	4644	0.02 ng/uL#	1
83) Butyl Benzyl Phthalate	20.944	149	13742	0.11 ng/uL	95
84) Bis(2-ethylhexyl) adipate	21.043	129	7365	0.13 ng/uL#	100
85) Benzo(a)anthracene	21.527	228	5263	0.02 ng/uL#	1
86) Chrysene	21.562	228	1961	0.01 ng/uL#	62
87) Bis(2-ethylhexyl)phtha...	21.573	149	376705	2.42 ng/uL	91
88) Di-n-octyl Phthalate	22.570	149	240414	RT ~~1.18~~ ng/uL#	78
90) Benzo(b)fluoroanthene	22.722	252	1202	0.01 ng/uL#	50
91) Benzo(k)fluoranthene	22.751	252	1657	0.01 ng/uL	95
92) Benzo(a)pyrene	23.135	252	901	0.01 ng/uL#	1
93) Indeno(1,2,3-cd)pyrene	24.855	276	2255	0.01 ng/uL#	61
94) Dibdenz(a,h)anthracene	24.878	278	950	0.01 ng/uL#	36
95) Benzo(g,h,i)Perylene	25.339	276	2090	0.02 ng/uL#	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:24:20 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

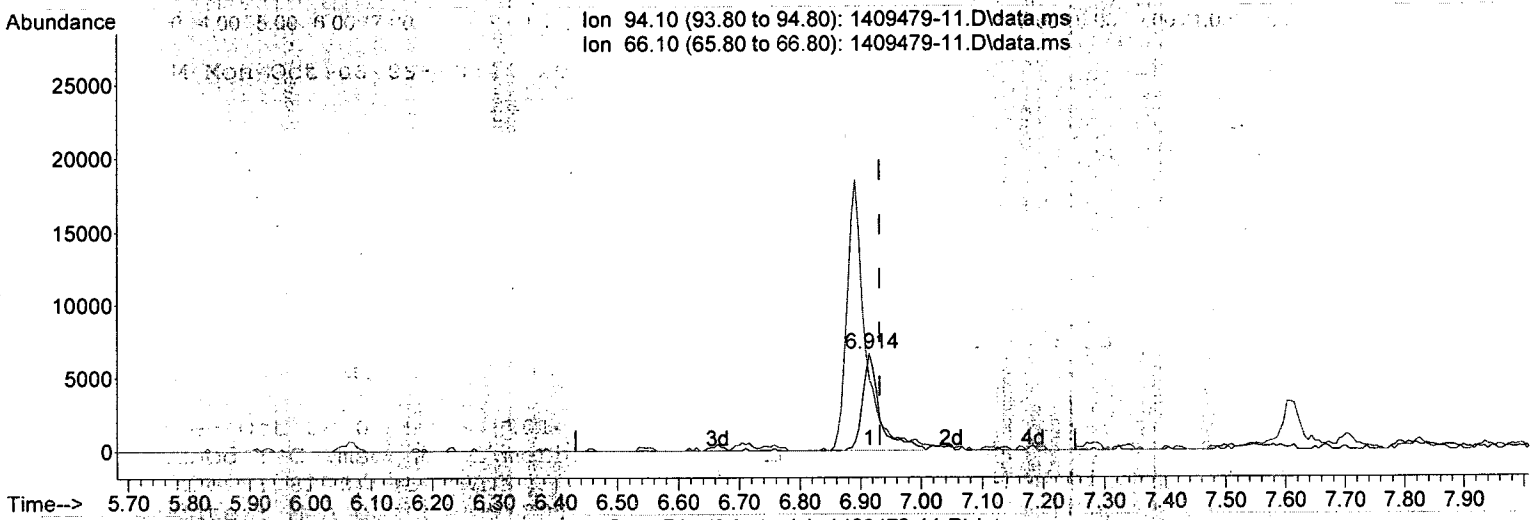
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	446470	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1725262	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	950914	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.901	188	1525583	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	1298170	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1058697	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.097	74	154	0.00	ng/uL	#	1
3) Pyridine	3.435	79	167	0.00	ng/uL		95
4) Aniline	6.978	93	1880	0.01	ng/uL	#	33
5) Benzaldehyde	6.774	105	6056	0.06	ng/uL	#	63
6) Acetophenone	8.459	105	11464	0.07	ng/uL	#	58
7) N-Nitroso-di-n-propyla...	8.500	70	7701	0.09	ng/uL	#	67
9) 4-Chloroaniline	10.639	127	1292	0.02	ng/uL		98
10) Caprolactam	11.327	55	53800	1.06	ng/uL	#	26
12) 1,1'-Biphenyl	13.151	154	18346	0.06	ng/uL	#	92
13) 2-Nitroaniline	13.425	138	389	0.02	ng/uL	#	70
14) 3-Nitroaniline	14.398	138	236	Below Cal		#	1
15) 4-Nitroaniline	15.867	138	1045	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.141	169	9974	0.06	ng/uL	#	55
18) Atrazine	17.499	200	855	Below Cal			89
20) Benzidine	0.000		0	N.D.			
21) 3,3'-Dichlorobenzidine	21.422	252	999	0.01	ng/uL		89

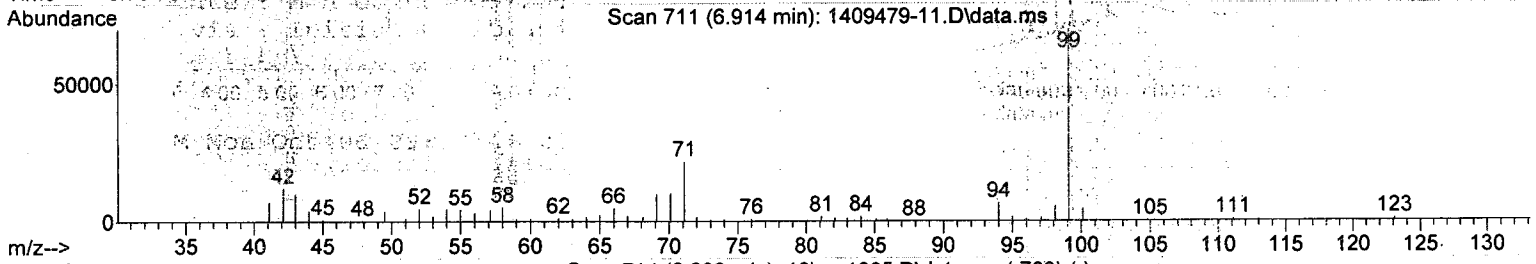
(#) = qualifier out of range (m) = manual integration (+) = signals summed

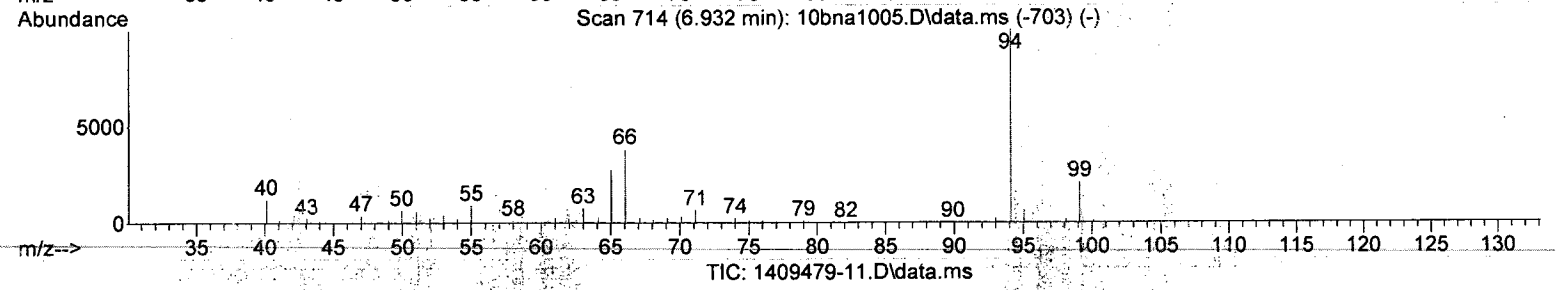
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







(7) Phenol (C)

6.914min (-0.017) 0.09 ng/uL

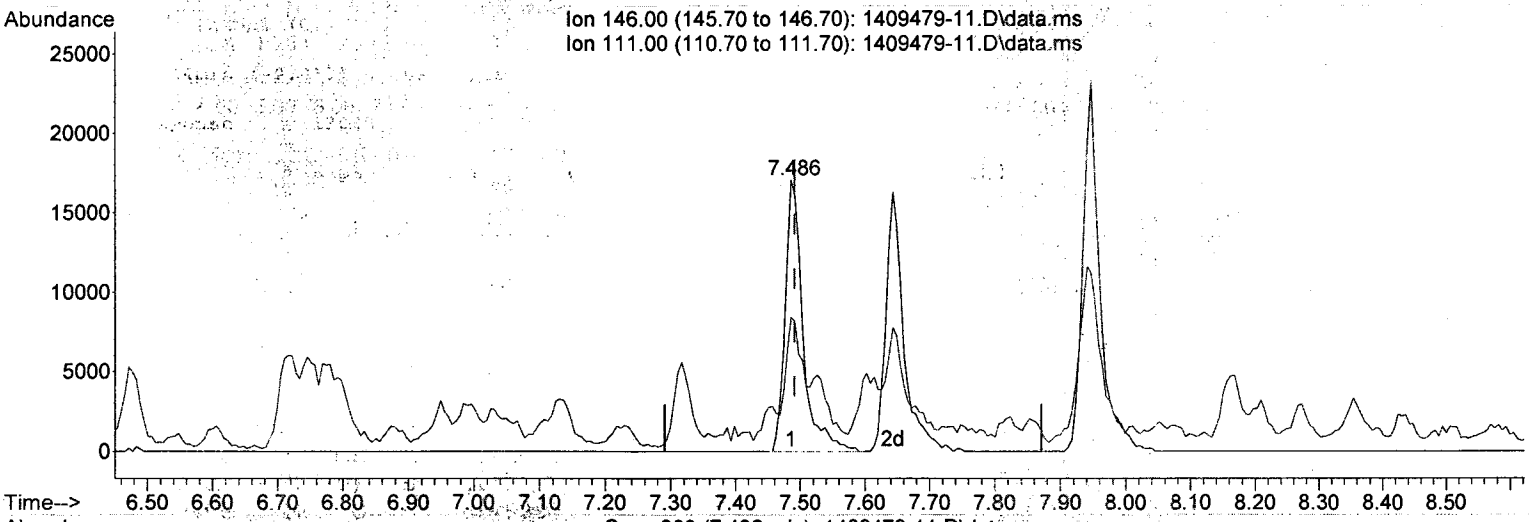
response 13003

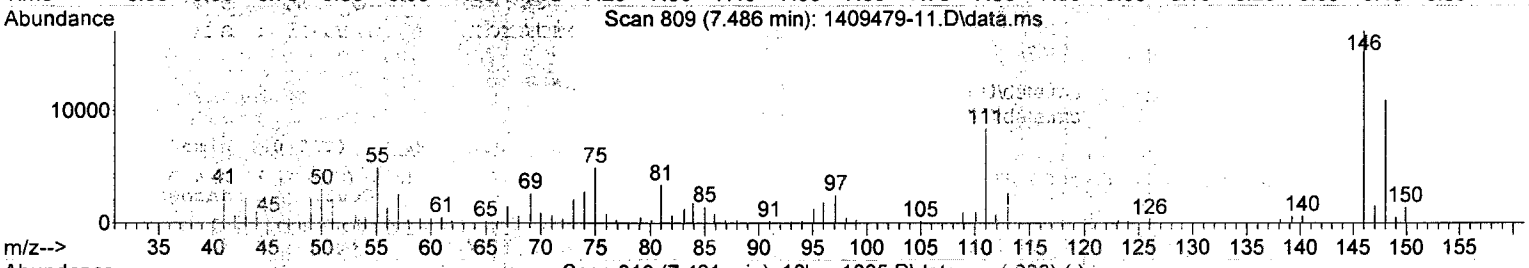
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	310.21#
0.00	0.00	0.00
0.00	0.00	0.00

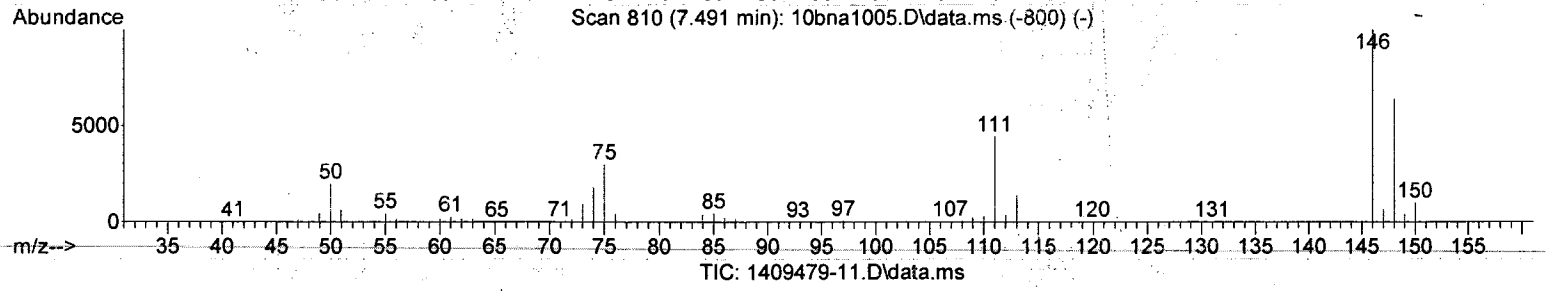
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(10) 1,3-Dichlorobenzene

7.486min (-0.006) 0.25 ng/uL

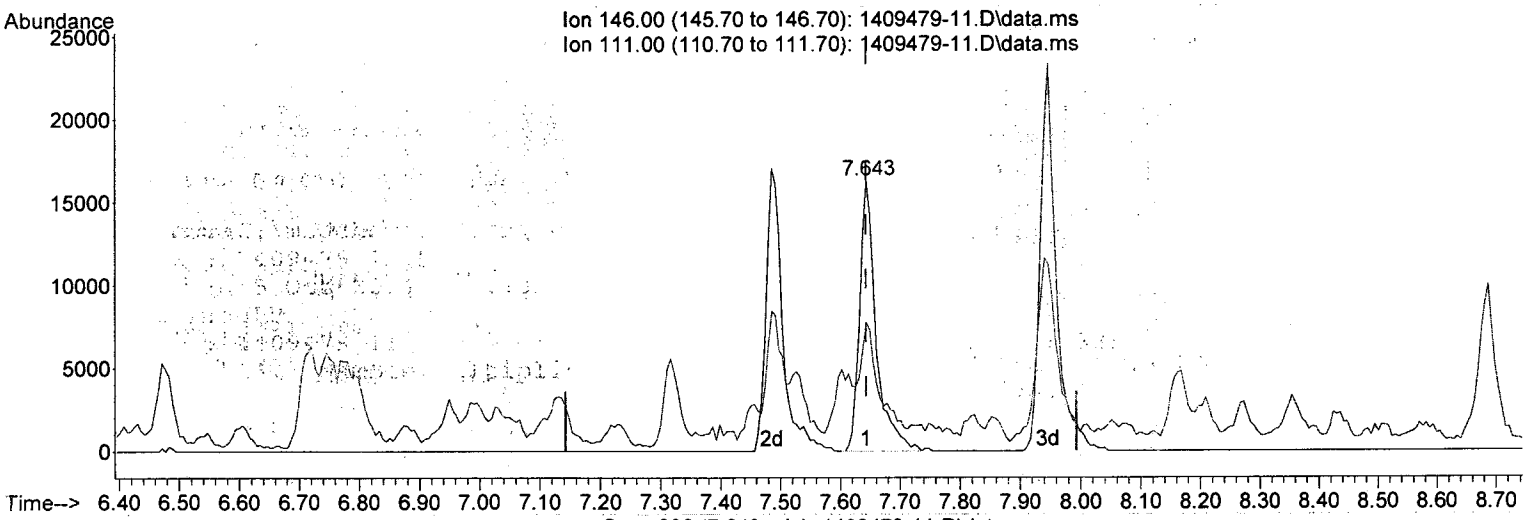
response 32716

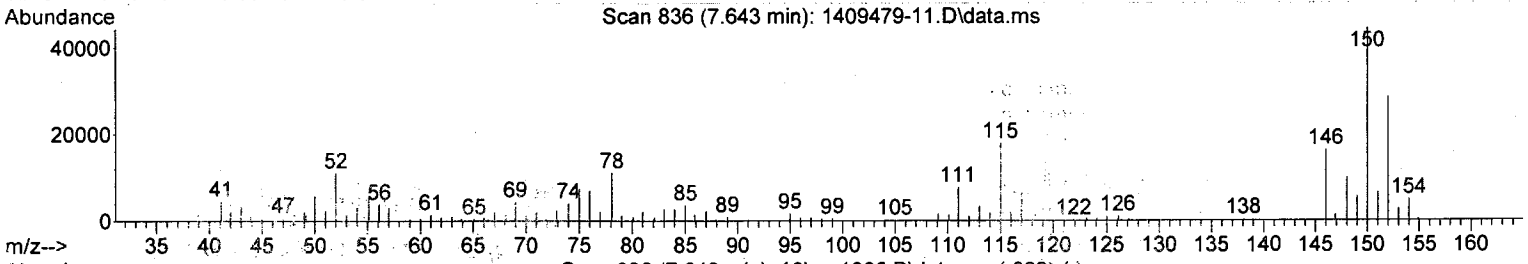
Ion	Exp%	Act%
146.00	100.00	100.00
111.00	41.20	30.54#
0.00	0.00	0.00
0.00	0.00	0.00

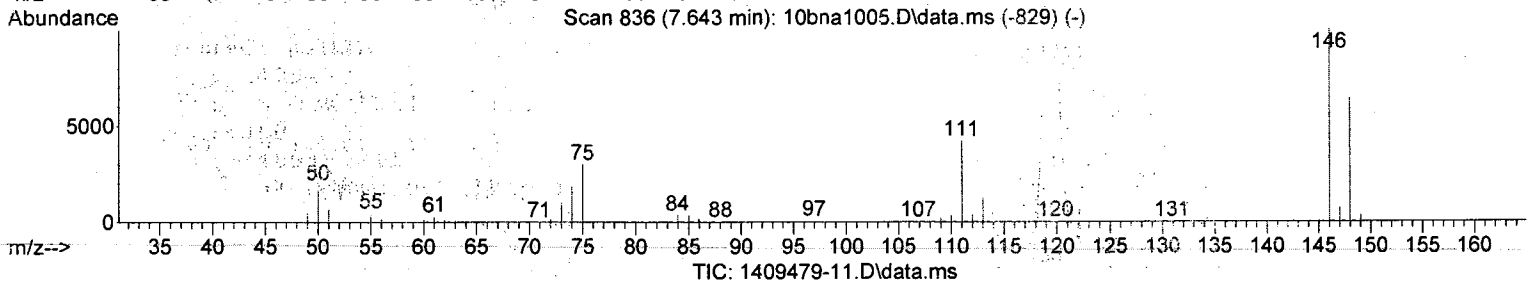
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(11) 1,4-Dichlorobenzene (C)

7.643min (+ 0.000) 0.24 ng/uL

response 31024

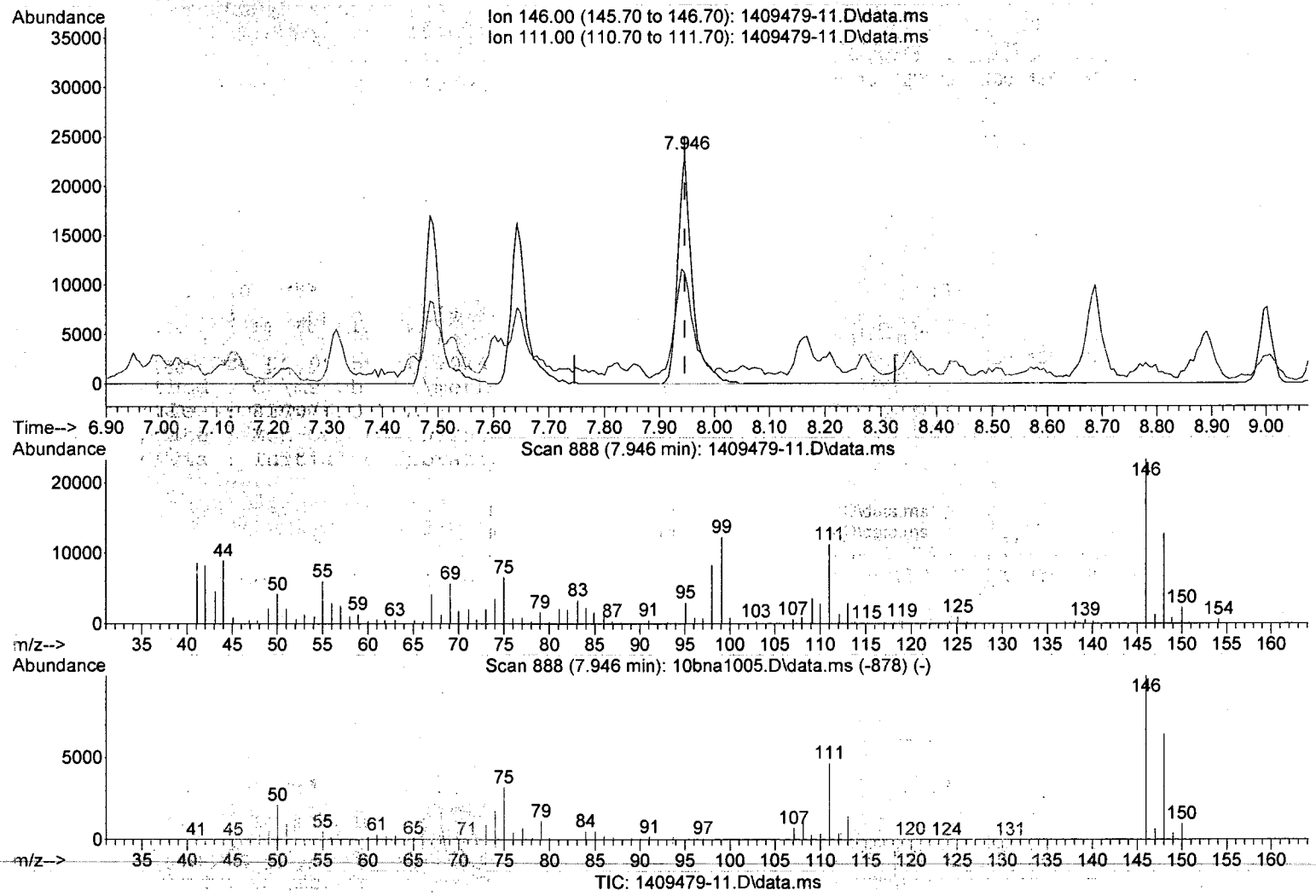
Ion	Exp%	Act%
146.00	100.00	100.00
111.00	39.70	40.41
0.00	0.00	0.00
0.00	0.00	0.00

002813

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(12) 1,2-Dichlorobenzene

7.946min (+ 0.000) 0.35 ng/uL

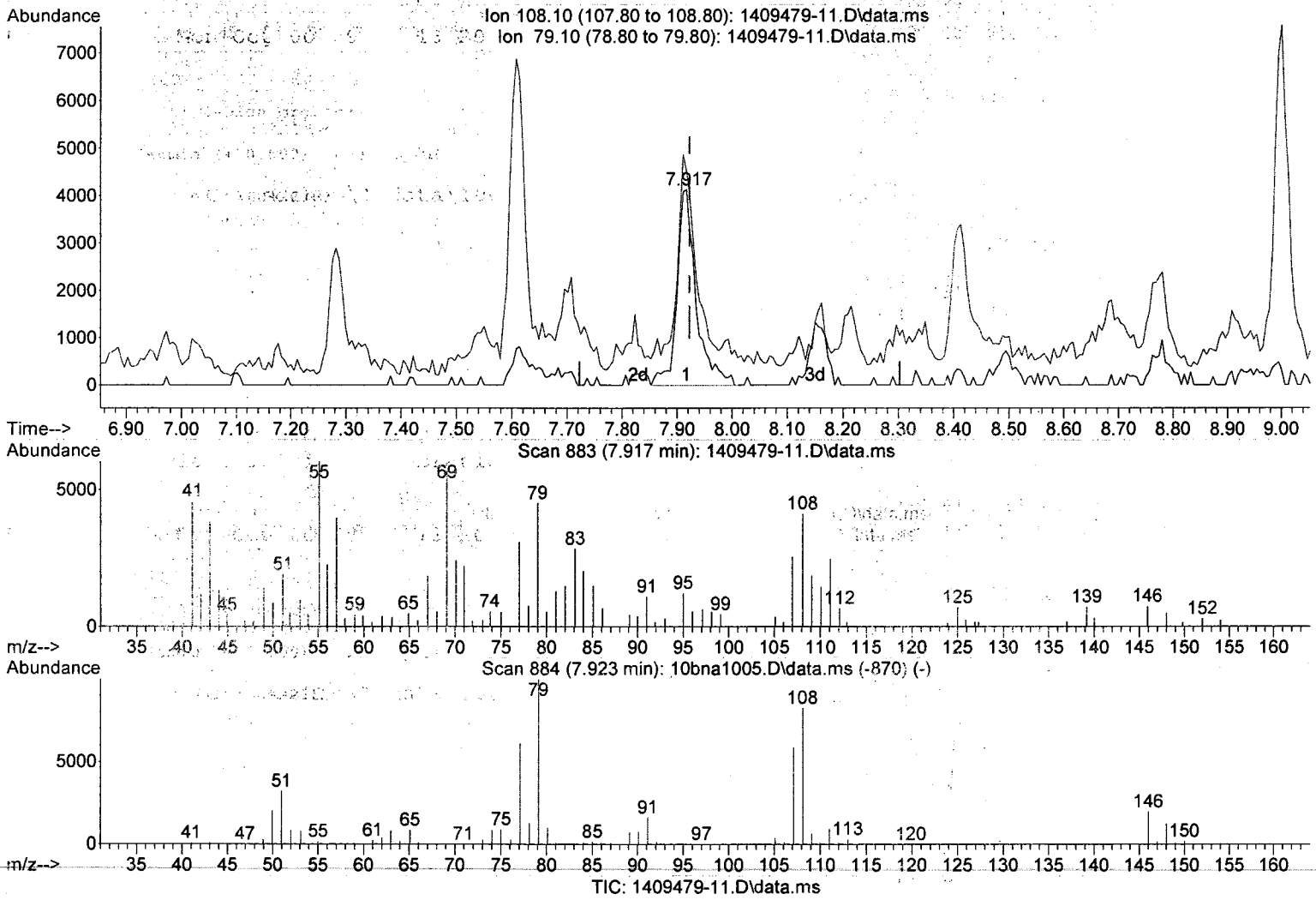
response 42296

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	41.70	61.93#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(14) Benzyl Alcohol

7.917min (-0.006) 0.13 ng/uL

response 9992

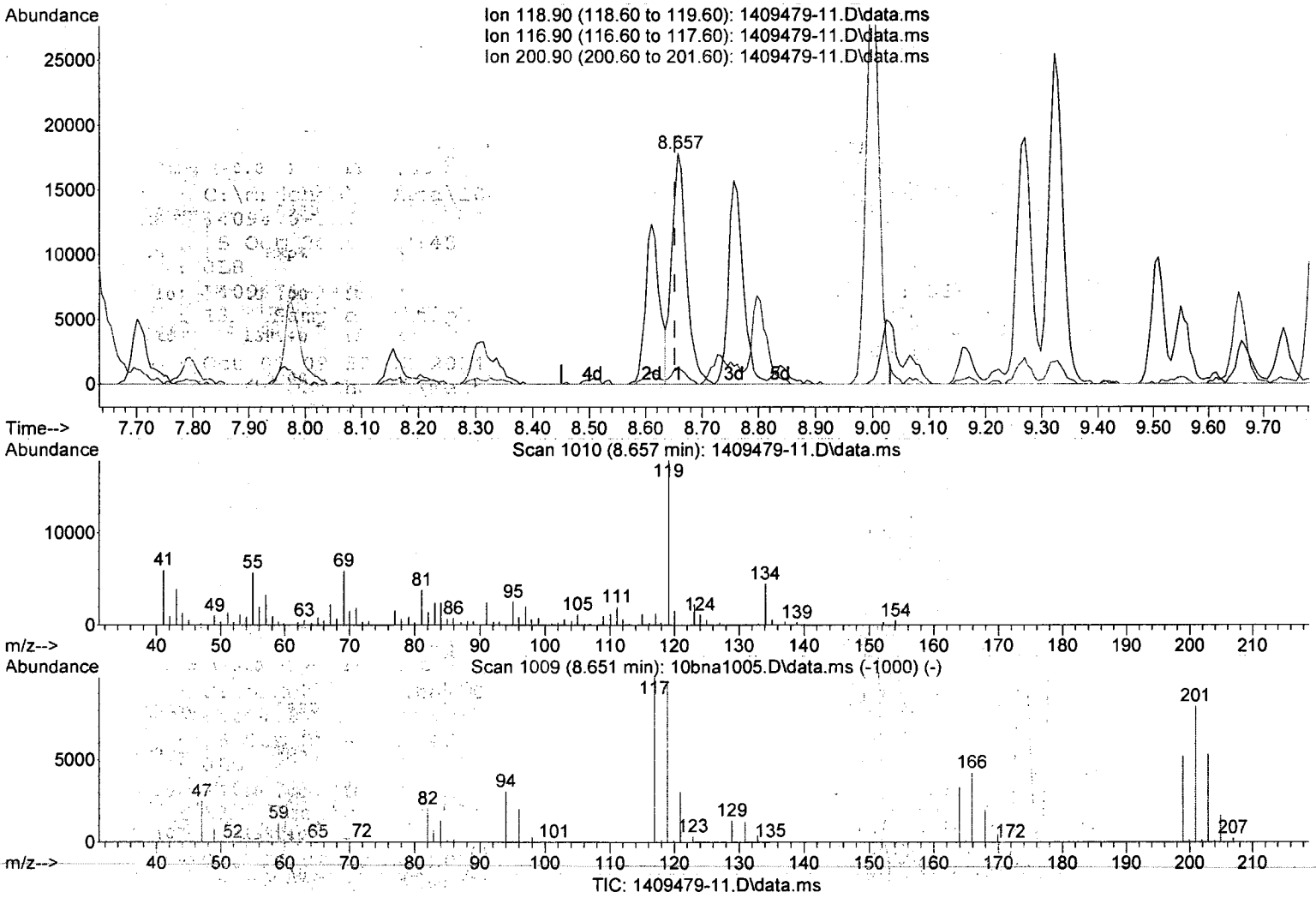
Ion	Exp%	Act%
108.10	100.00	100.00
79.10	123.40	114.20
0.00	0.00	0.00
0.00	0.00	0.00

002815

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409479-11.D\data.ms

(17) Hexachloroethane

8.657min (+ 0.006) 0.67 ng/uL

response 32571

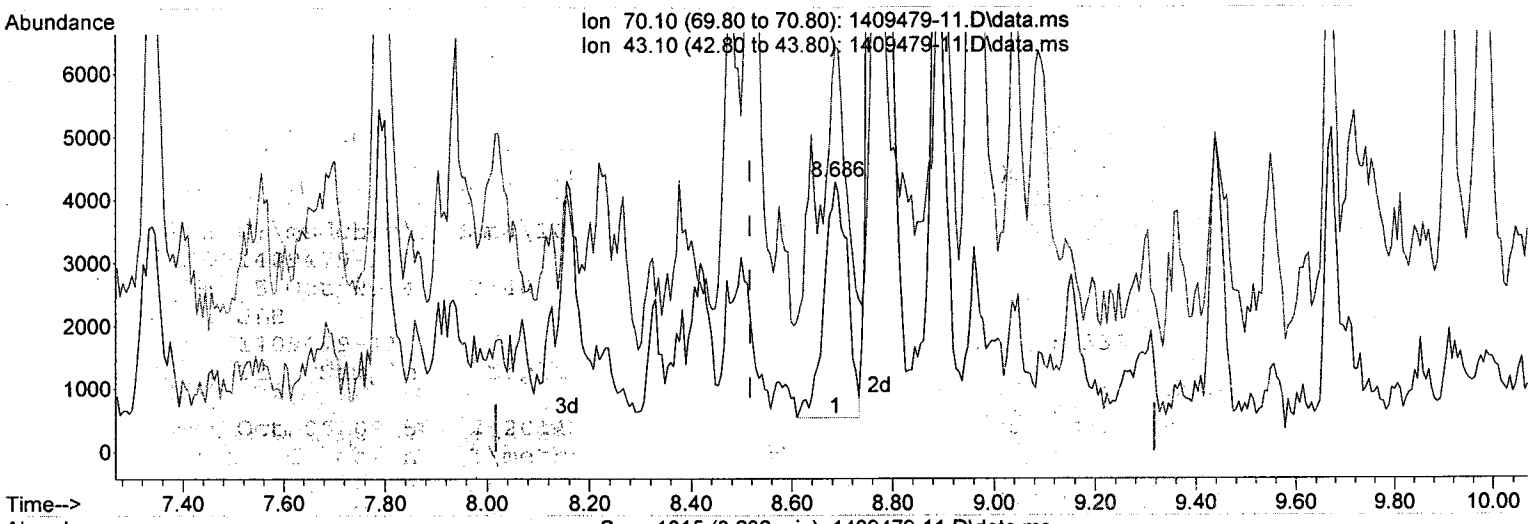
Ion	Exp%	Act%
118.90	100.00	100.00
116.90	100.10	7.20#
200.90	85.90	0.00#
0.00	0.00	0.00

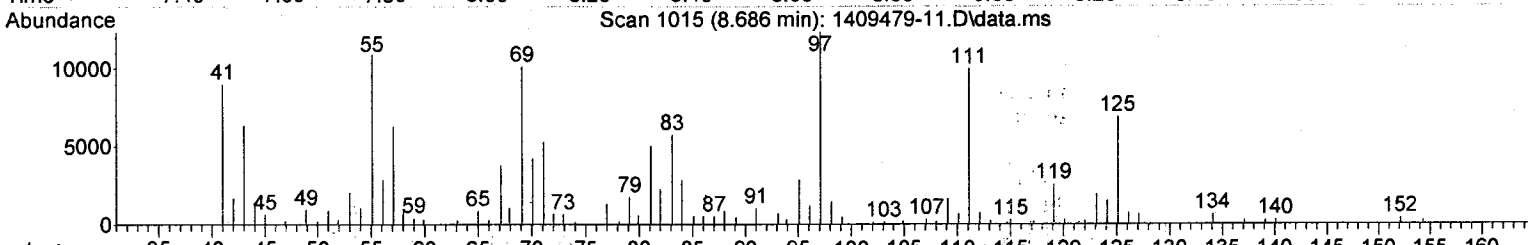
002816

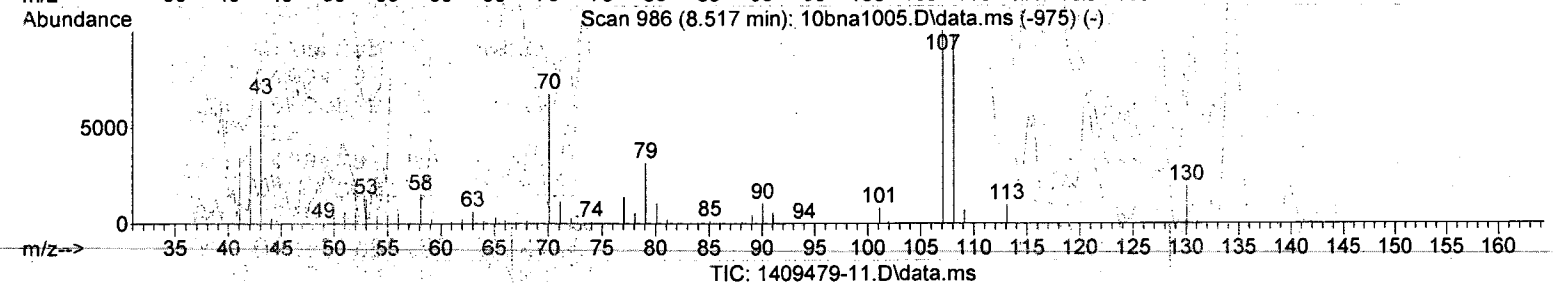
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(19) N-Nitroso-di-n-propylamine (P)

8.686min (+ 0.169) 0.15 ng/uL

response 12007

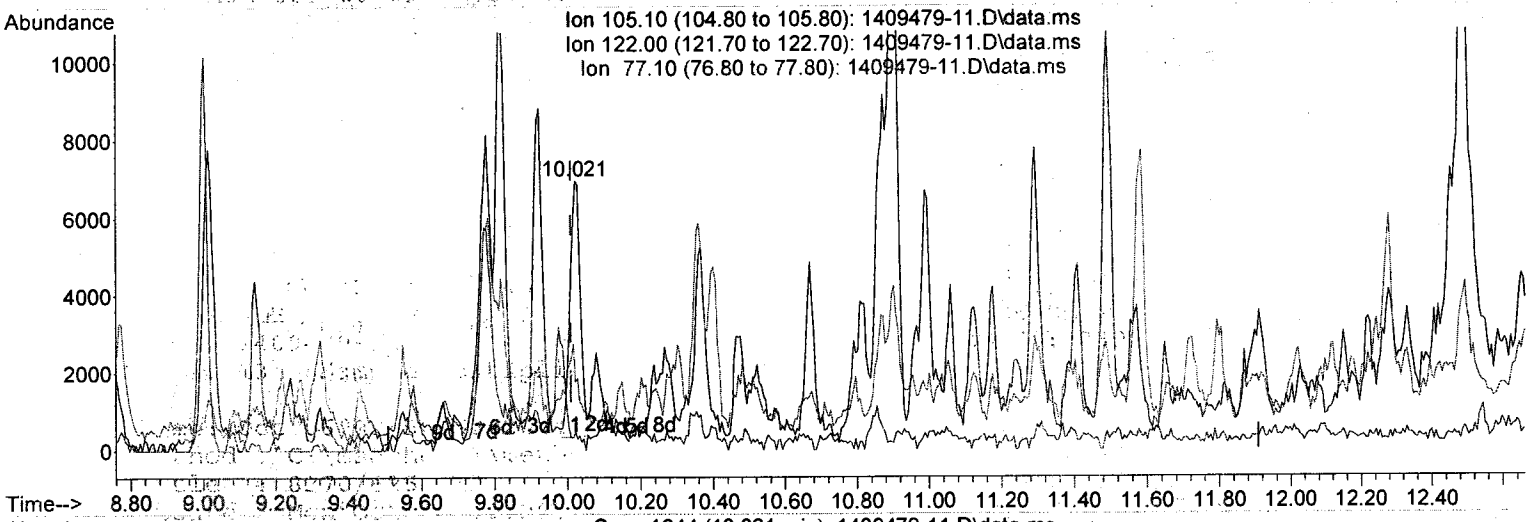
Ion	Exp%	Act%
70.10	100.00	100.00
43.10	98.40	75.20#
0.00	0.00	0.00
0.00	0.00	0.00

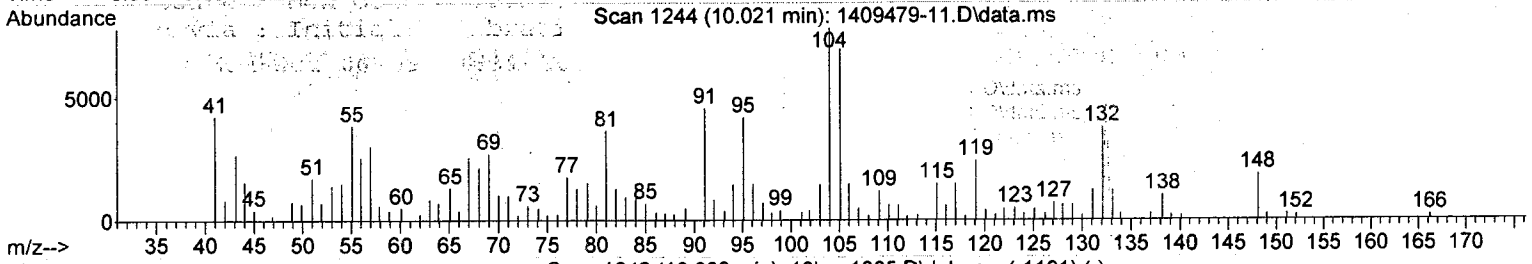
PS RT

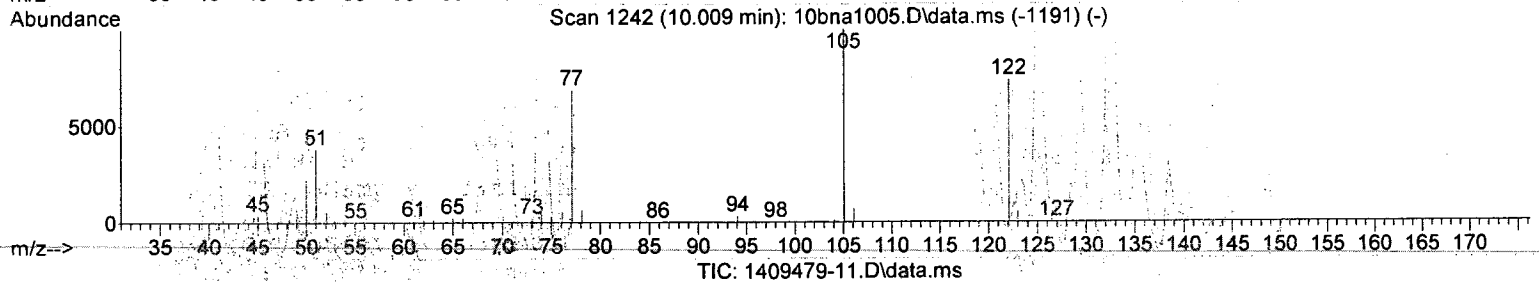
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(30) Benzoic Acid

10.021min (+ 0.012) 2.59 ng/uL

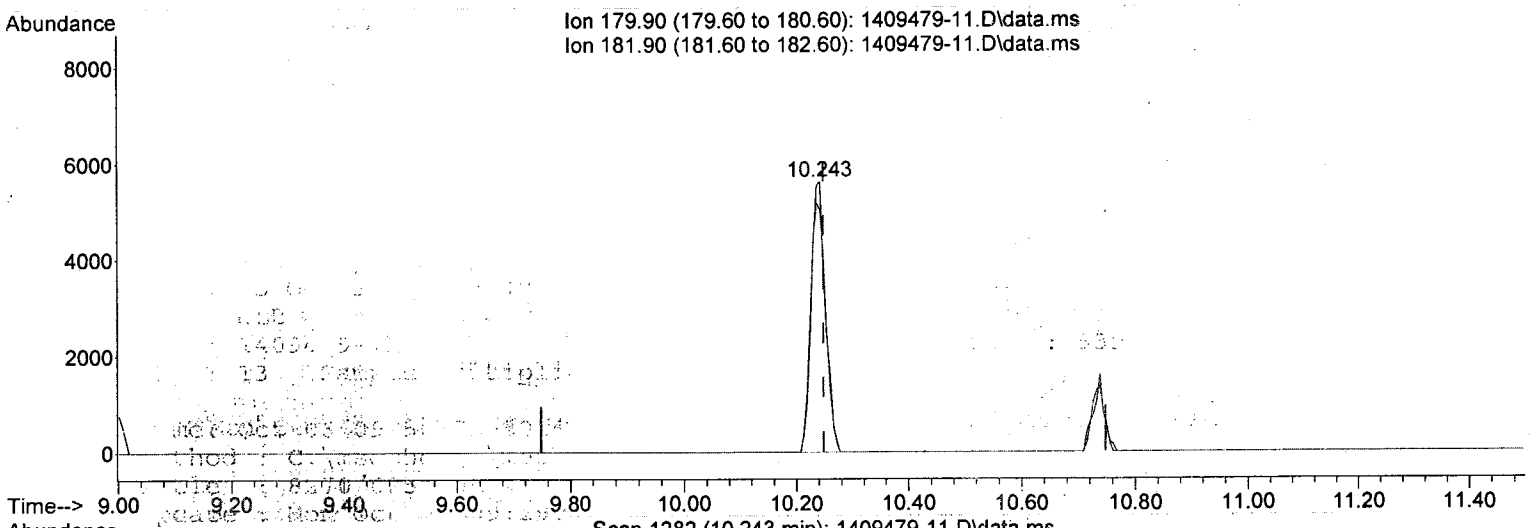
response 13270

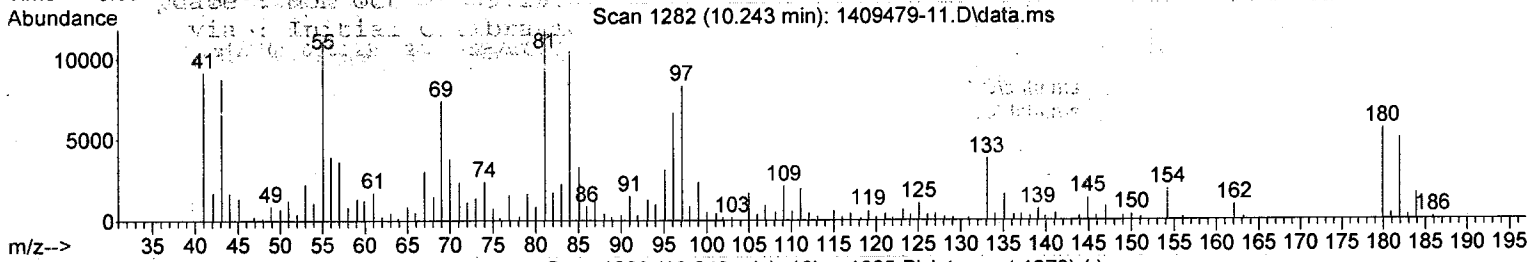
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	51.12#
77.10	74.70	42.32#
0.00	0.00	0.00

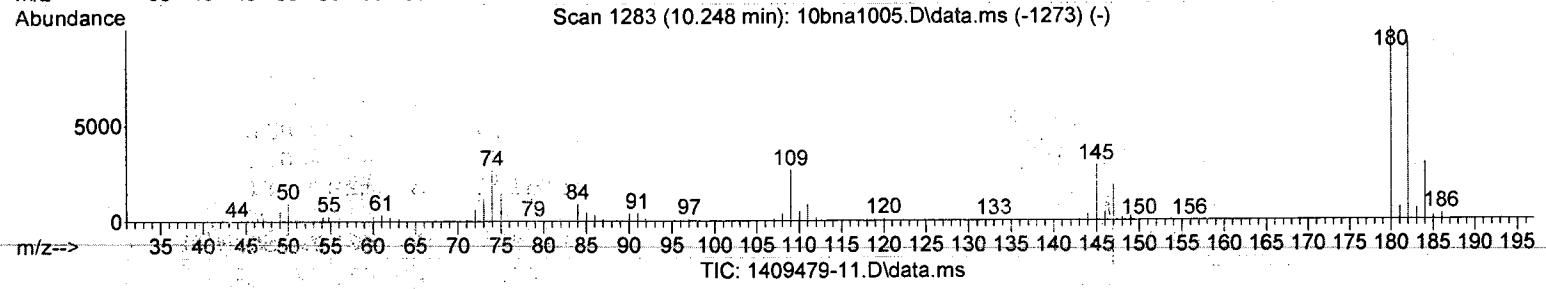
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(31) 1,2,4-Trichlorobenzene

10.243min (-0.006) 0.10 ng/uL

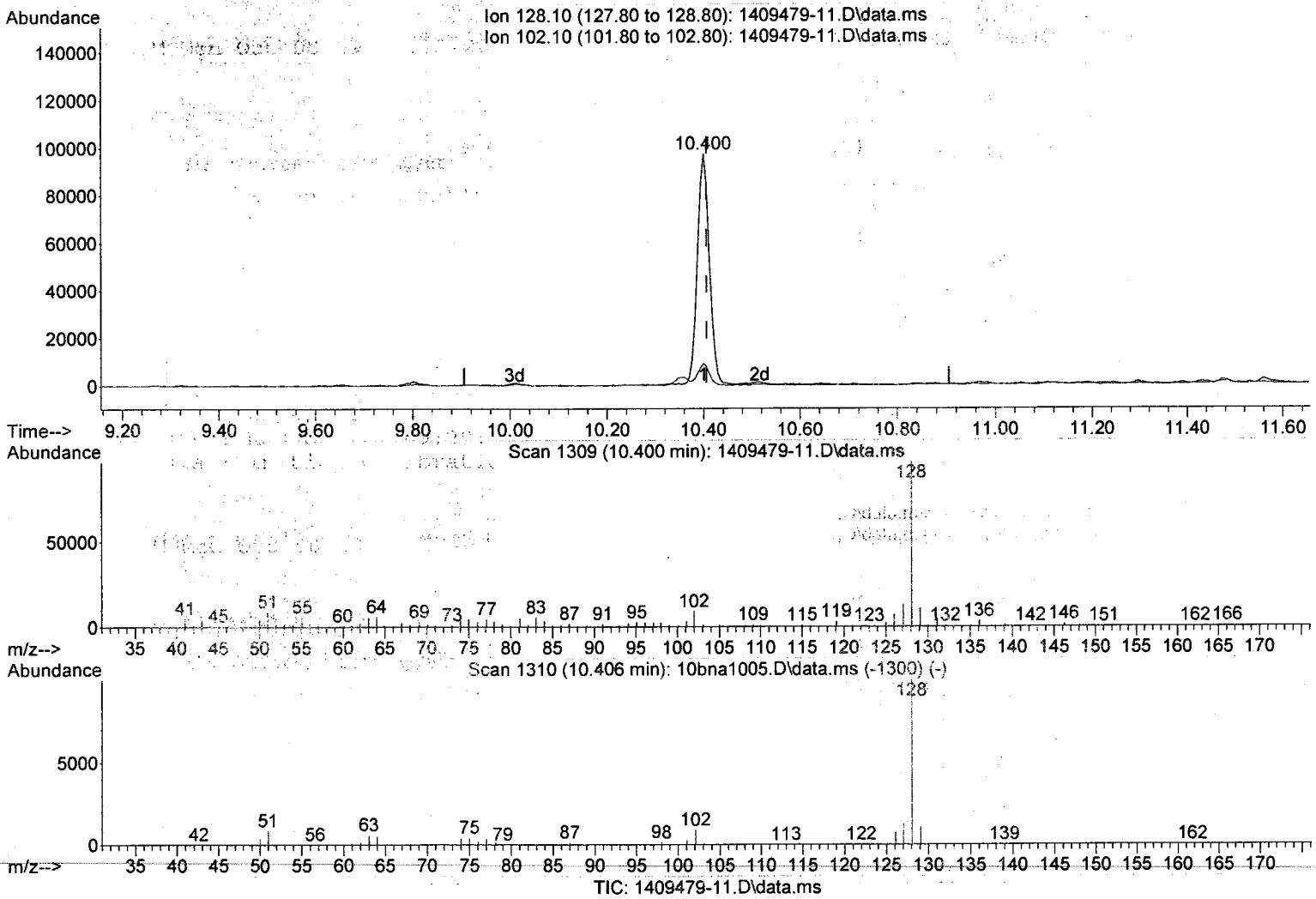
response 9919

Ion	Exp%	Act%
179.90	100.00	100.00
181.90	96.90	94.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409479-11.D\data.ms

(32) Naphthalene

10.400min (-0.006) 0.48 ng/uL

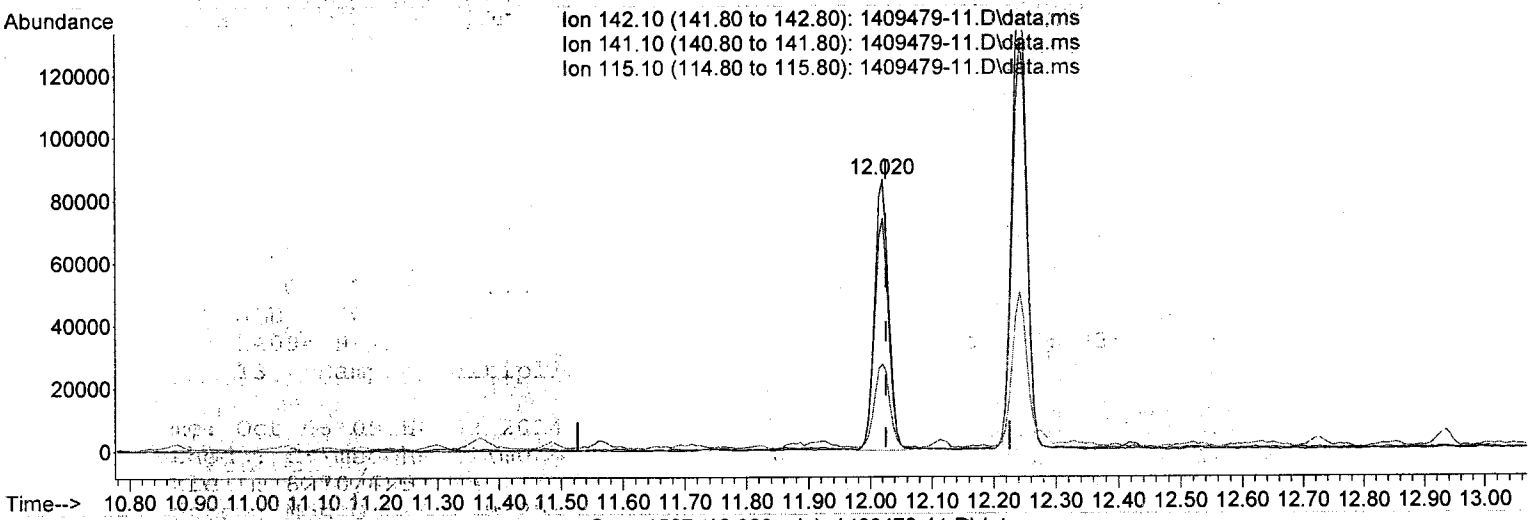
response 166336

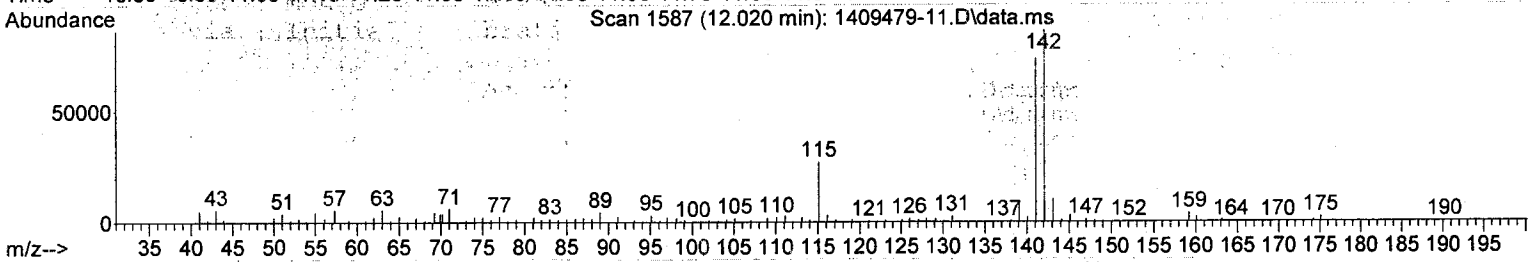
Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	9.19
0.00	0.00	0.00
0.00	0.00	0.00

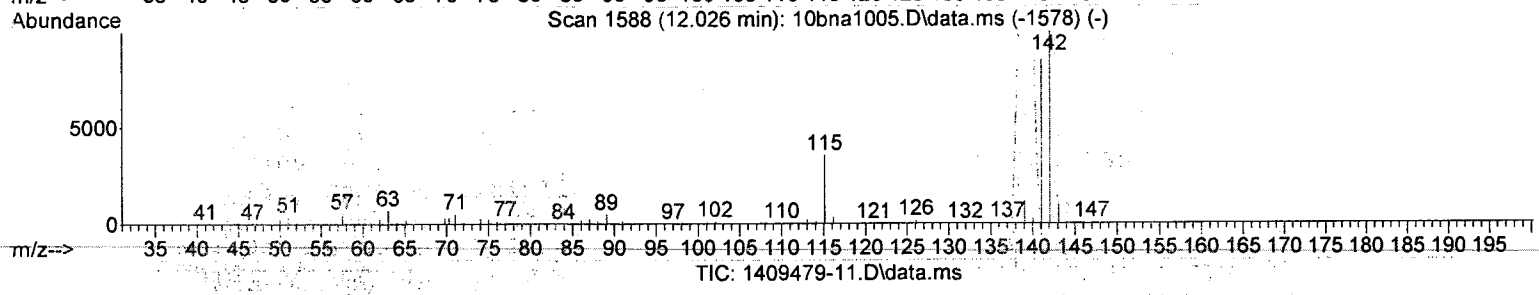
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(39) 2-Methylnaphthalene

12.020min (-0.006) 0.63 ng/uL

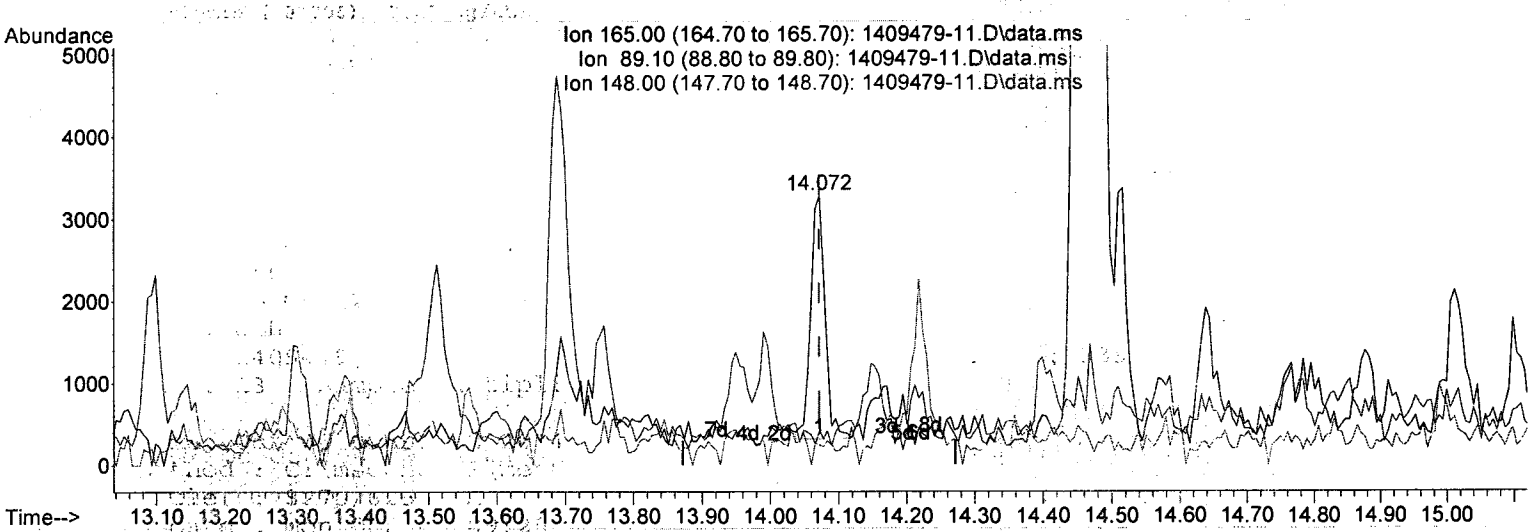
response 139202

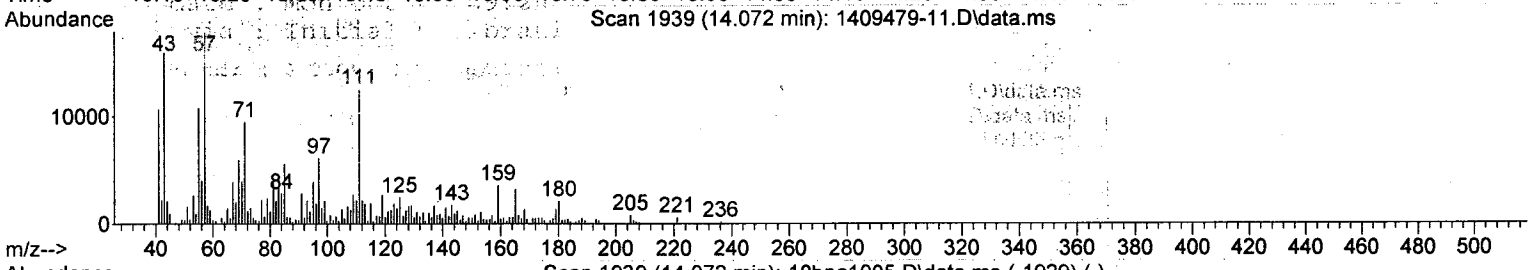
Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	84.88
115.10	33.50	34.19
0.00	0.00	0.00

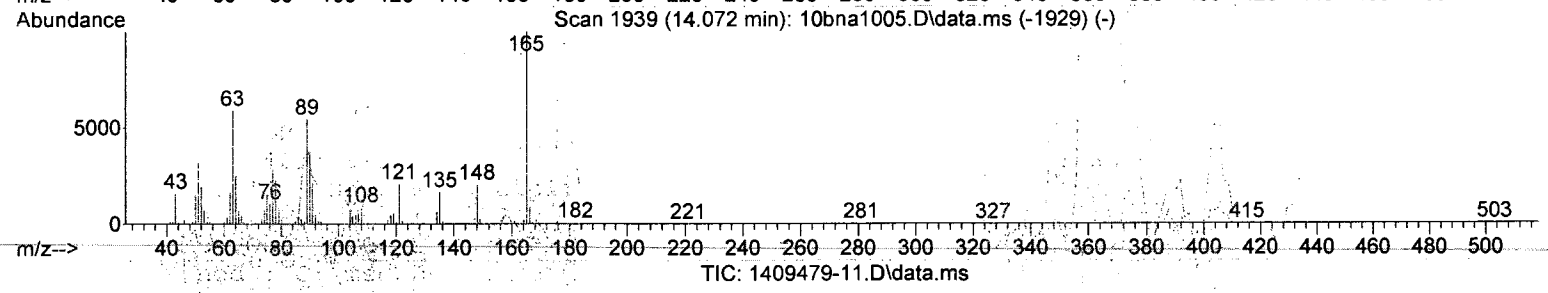
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(52) 2,6-Dinitrotoluene

14.072min (+ 0.000) 0.09 ng/uL

response 4287

Ion	Exp%	Act%
165.00	100.00	100.00
89.10	57.70	3.64#
148.00	20.20	6.04#
0.00	0.00	0.00

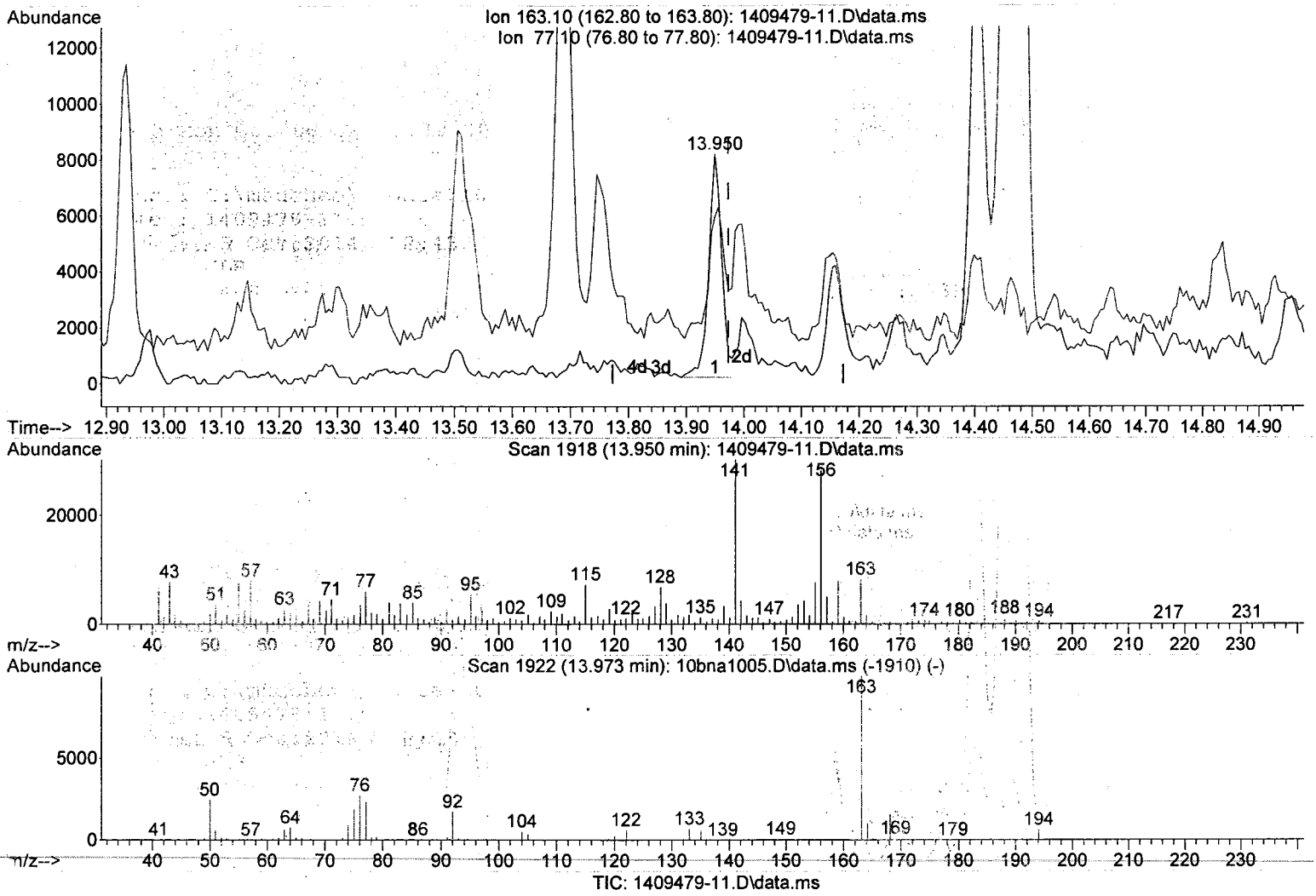
PS

002822

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(53) Dimethyl Phthalate

13.950min (-0.023) 0.06 ng/uL

response 12632

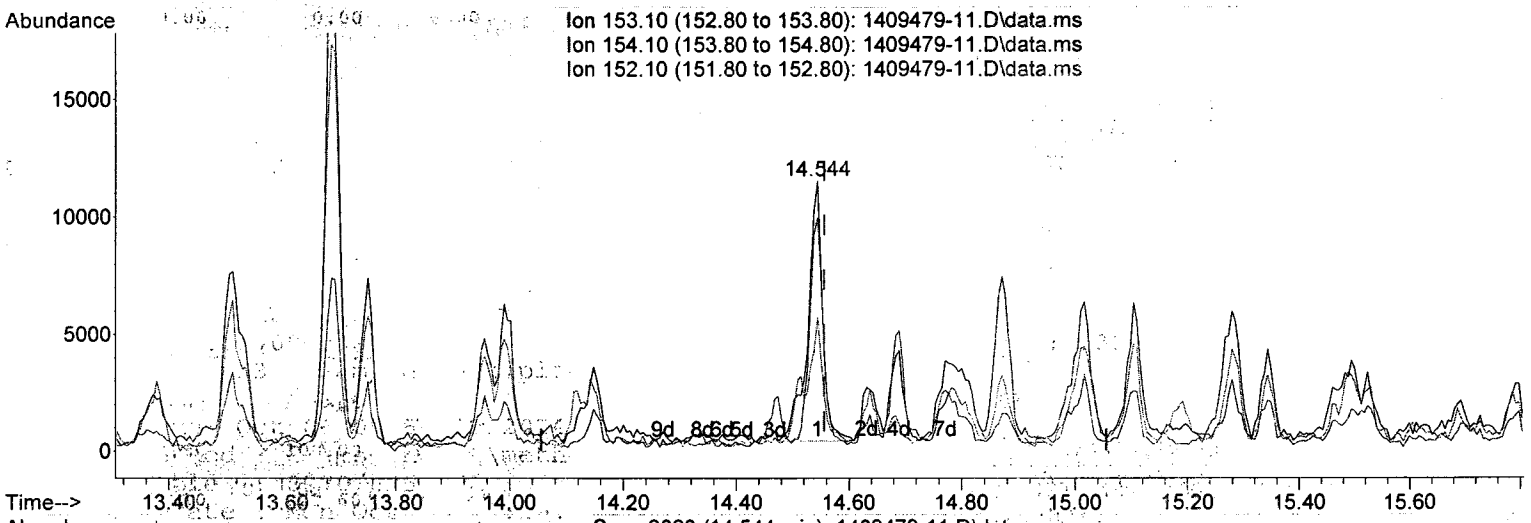
Ion	Exp%	Act%
163.10	100.00	100.00
77.10	72.60	72.74#
0.00	0.00	0.00
0.00	0.00	0.00

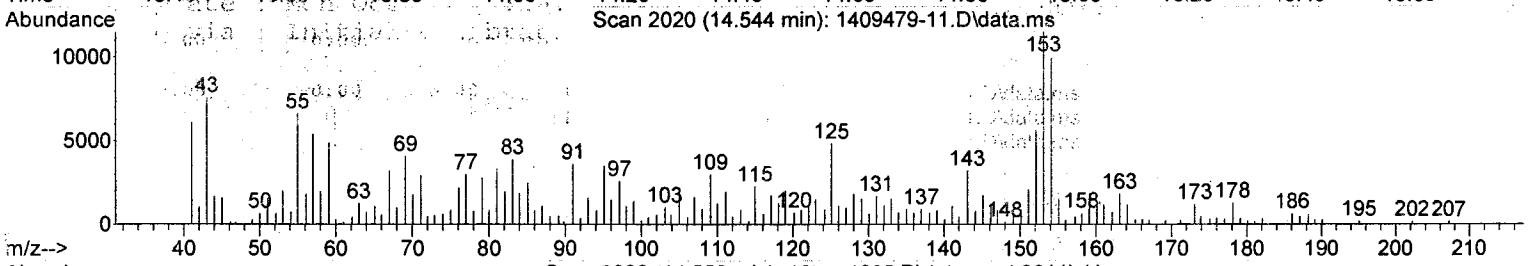
002823

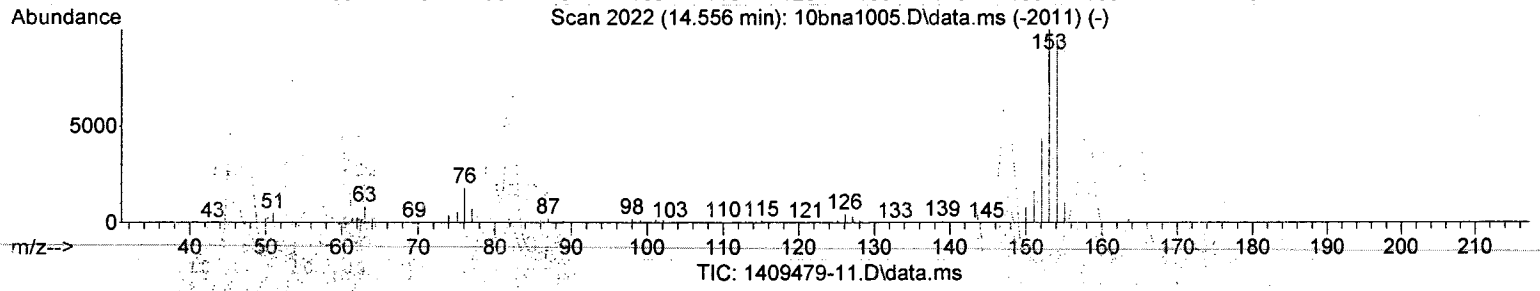
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(55) Acenaphthene (C)

14.544min (-0.012) 0.10 ng/uL

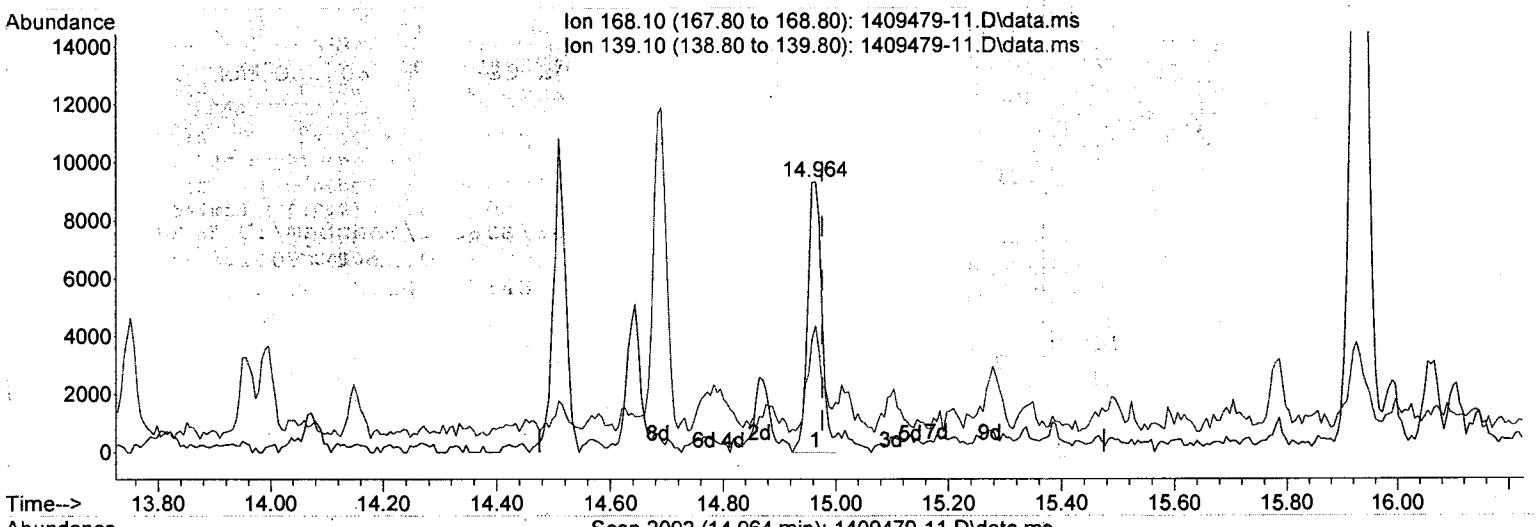
response 20108

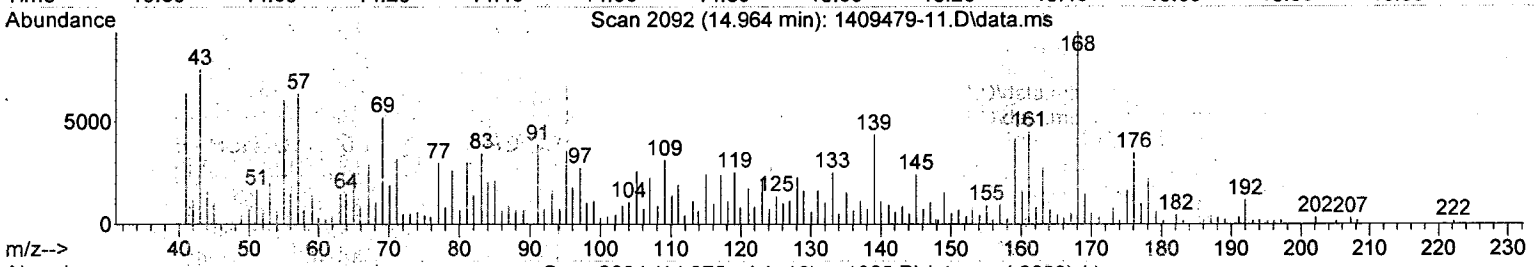
Ion	Exp%	Act%
153.10	100.00	100.00
154.10	93.30	80.06
152.10	46.00	39.81
0.00	0.00	0.00

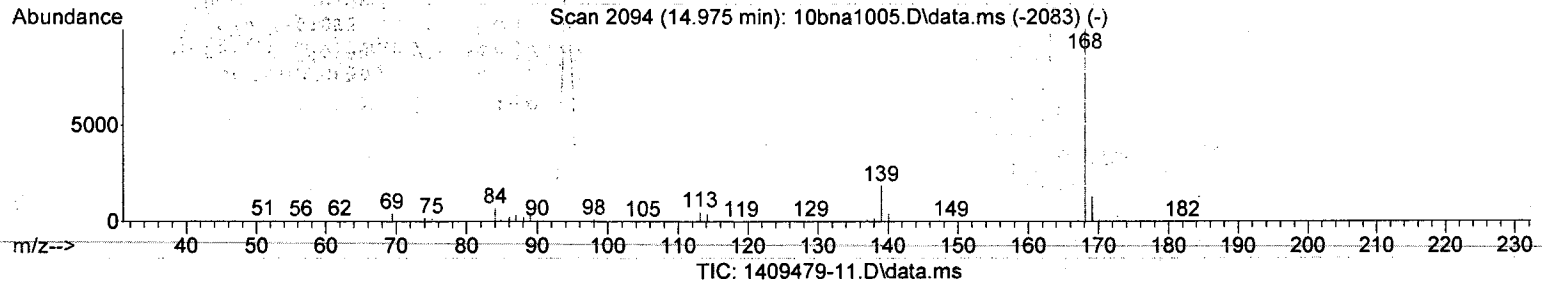
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(57) Dibenzofuran (P)

14.964min (-0.012) 0.06 ng/uL

response 16038

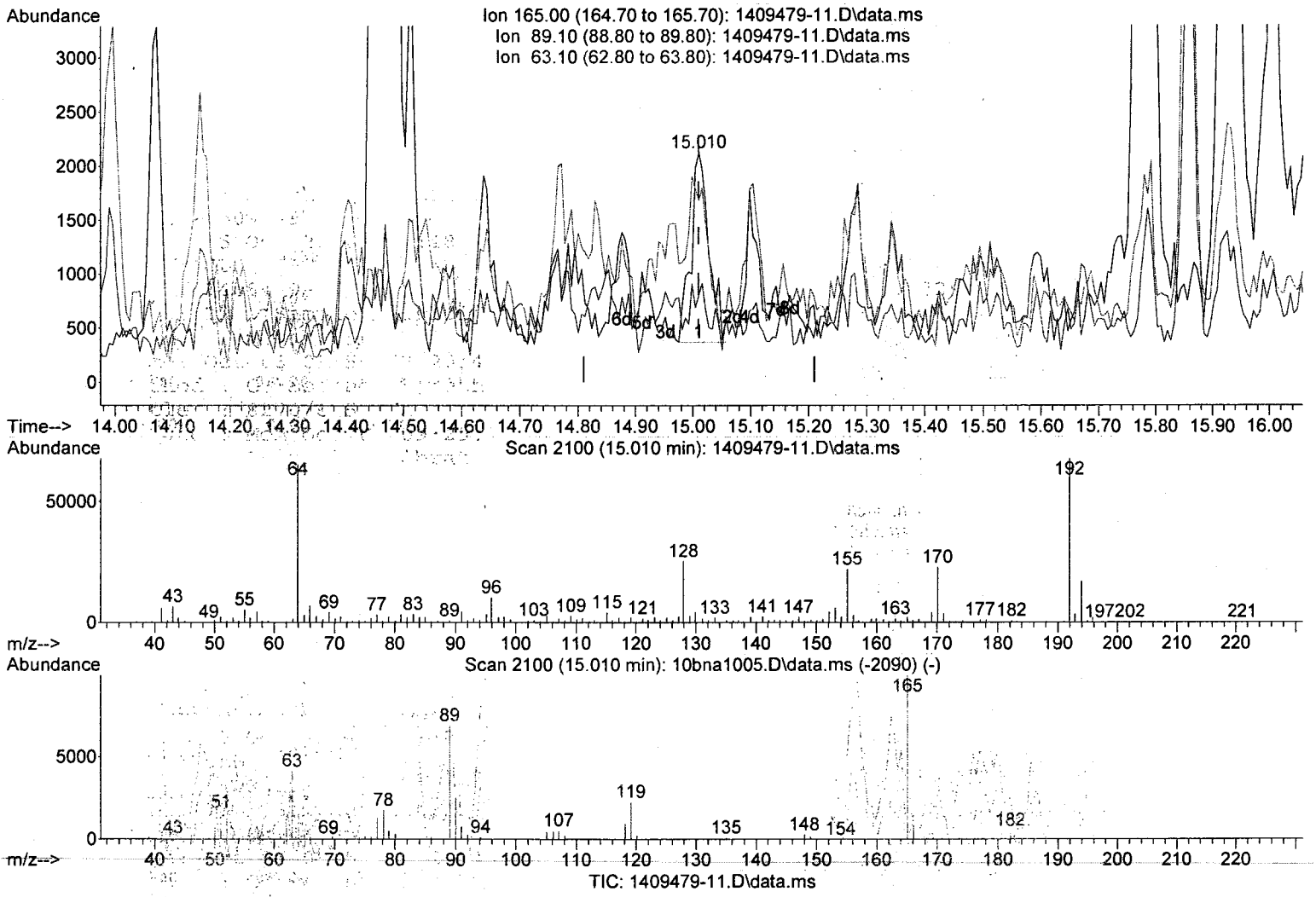
Ion	Exp%	Act%
168.10	100.00	100.00
139.10	39.20	39.54
0.00	0.00	0.00
0.00	0.00	0.00

002825

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409479-11.D\data.ms

(59) 2,4-Dinitrotoluene

15.010min (+ 0.000) 0.06 ng/uL

response 3842

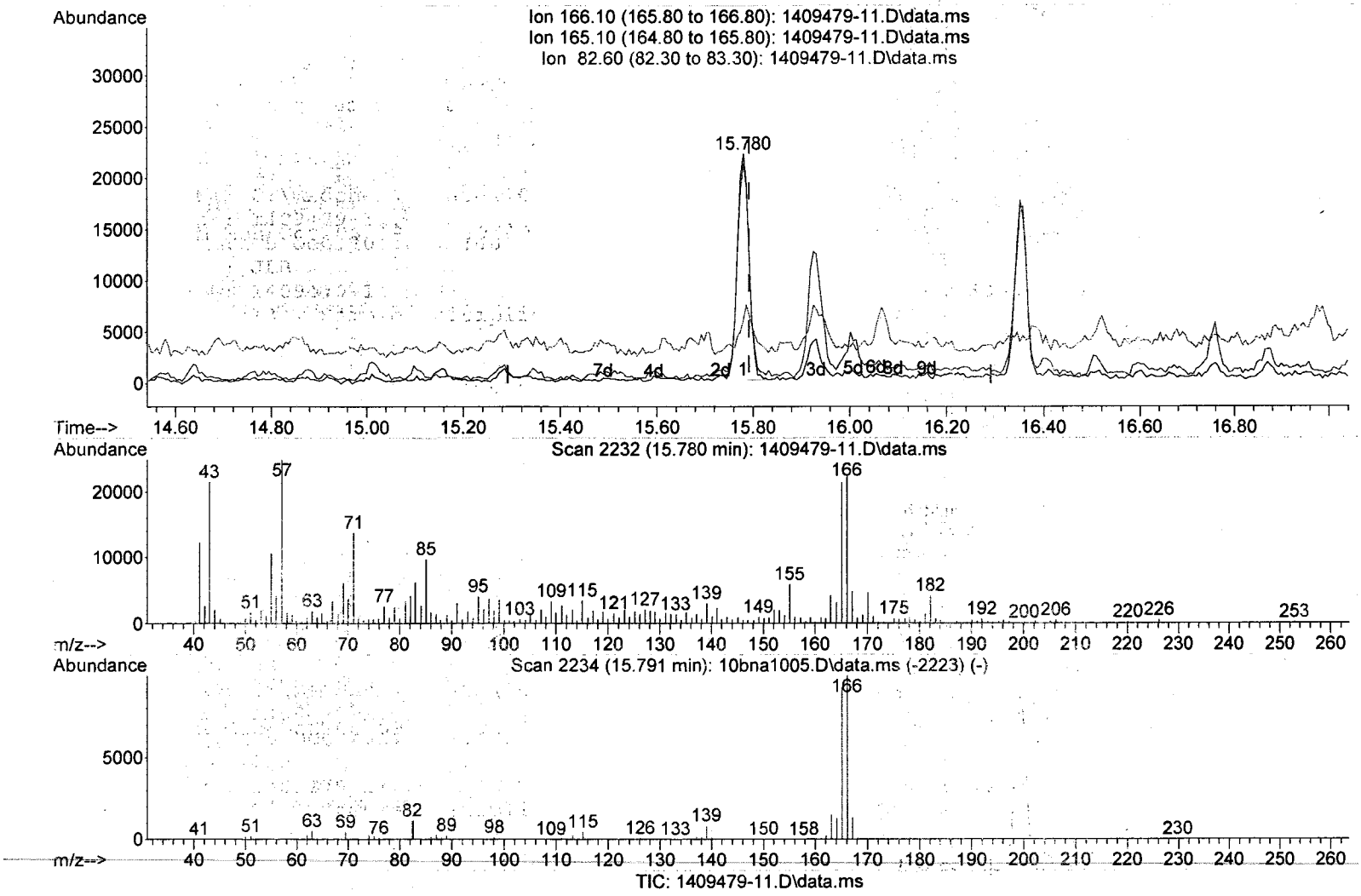
Ion	Exp%	Act%
165.00	100.00	100.00
89.10	72.00	15.67#
63.10	58.00	79.44#
0.00	0.00	0.00

002826

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(62) Fluorene

15.780min (-0.012) 0.17 ng/uL

response 36440

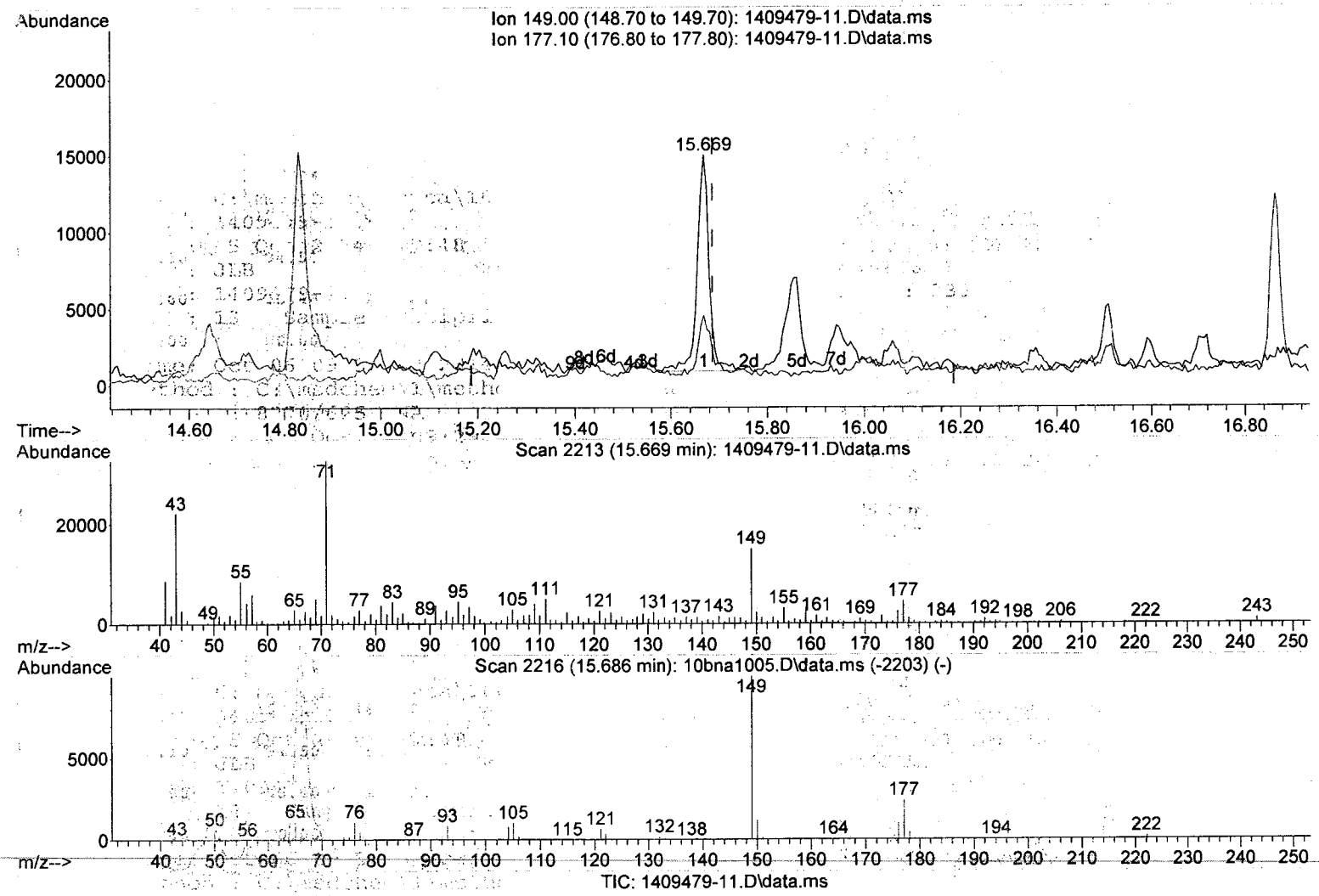
Ion	Exp%	Act%
166.10	100.00	100.00
165.10	94.50	93.99
82.60	15.40	28.22#
0.00	0.00	0.00

002827

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

15.669min (-0.017) 0.12 ng/uL

response 24330

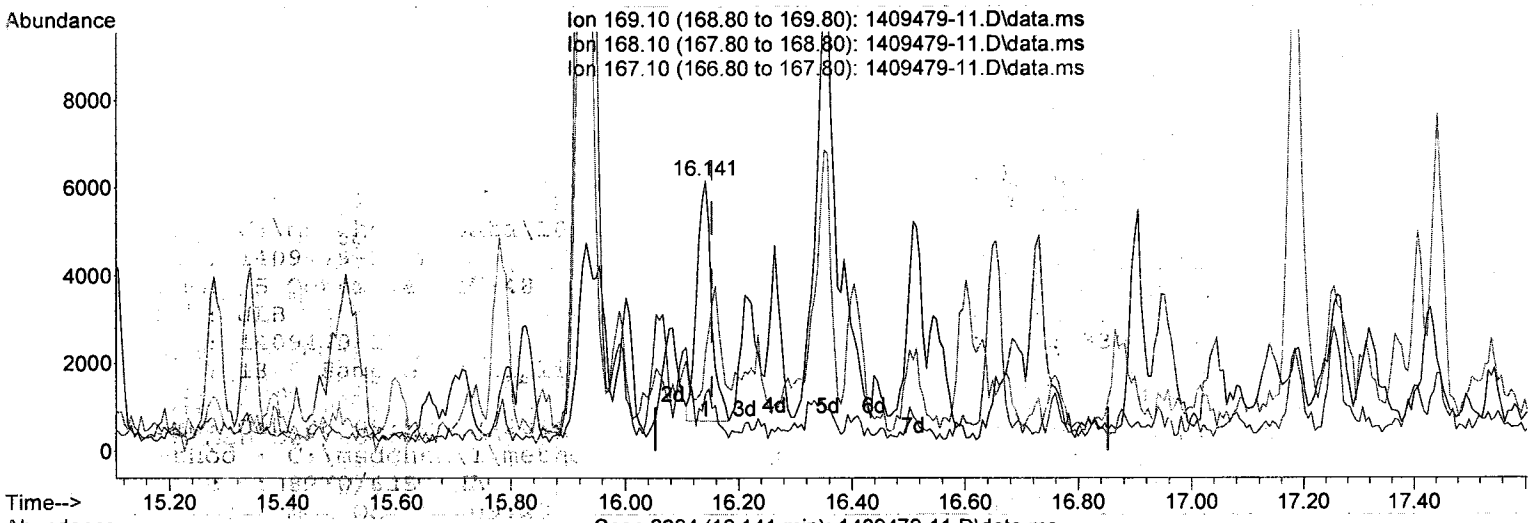
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	29.71#
0.00	0.00	0.00
0.00	0.00	0.00

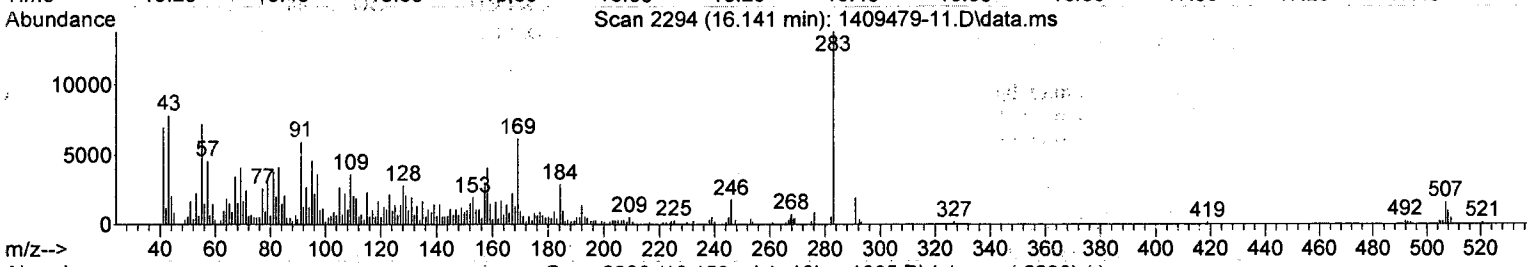
002828

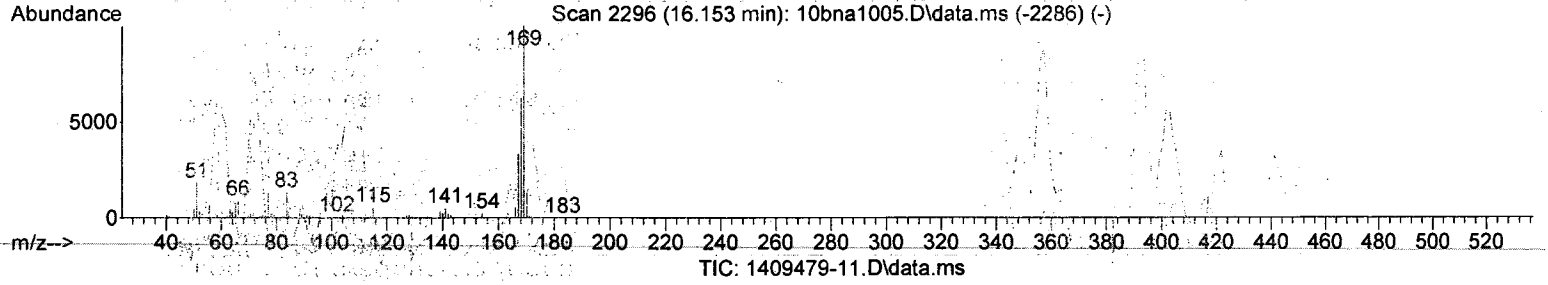
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(68) N-Nitroso-diphenylamine (C)

16.141min (-0.012) 0.06 ng/uL

response 9974

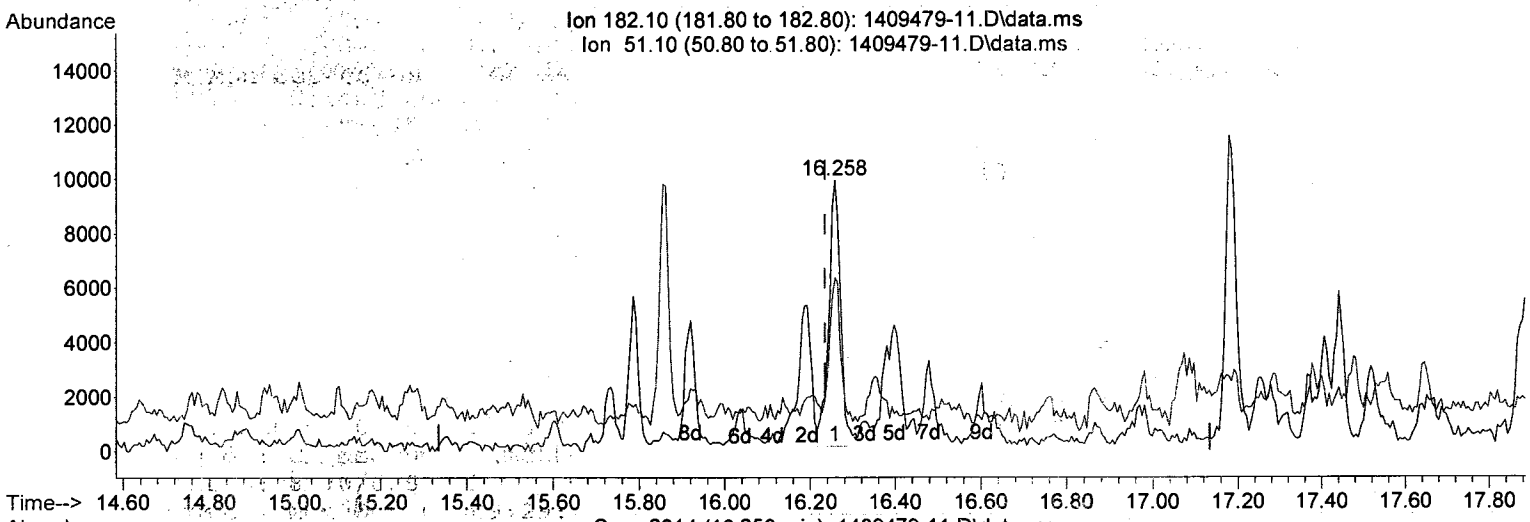
Ion	Exp%	Act%
169.10	100.00	100.00
168.10	64.20	14.86#
167.10	33.90	39.52
0.00	0.00	0.00

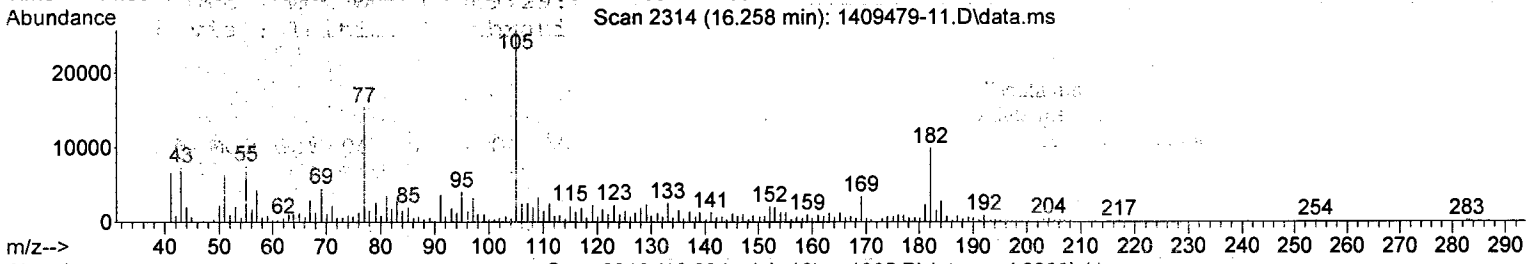
ps

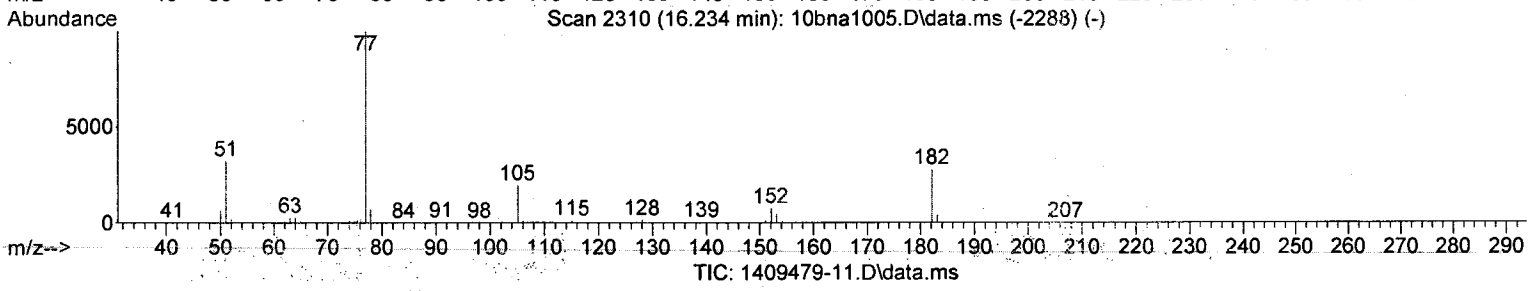
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(69) 1,2-Diphenylhydrazine

16.258min (+ 0.023) 0.31 ng/uL

response 18906

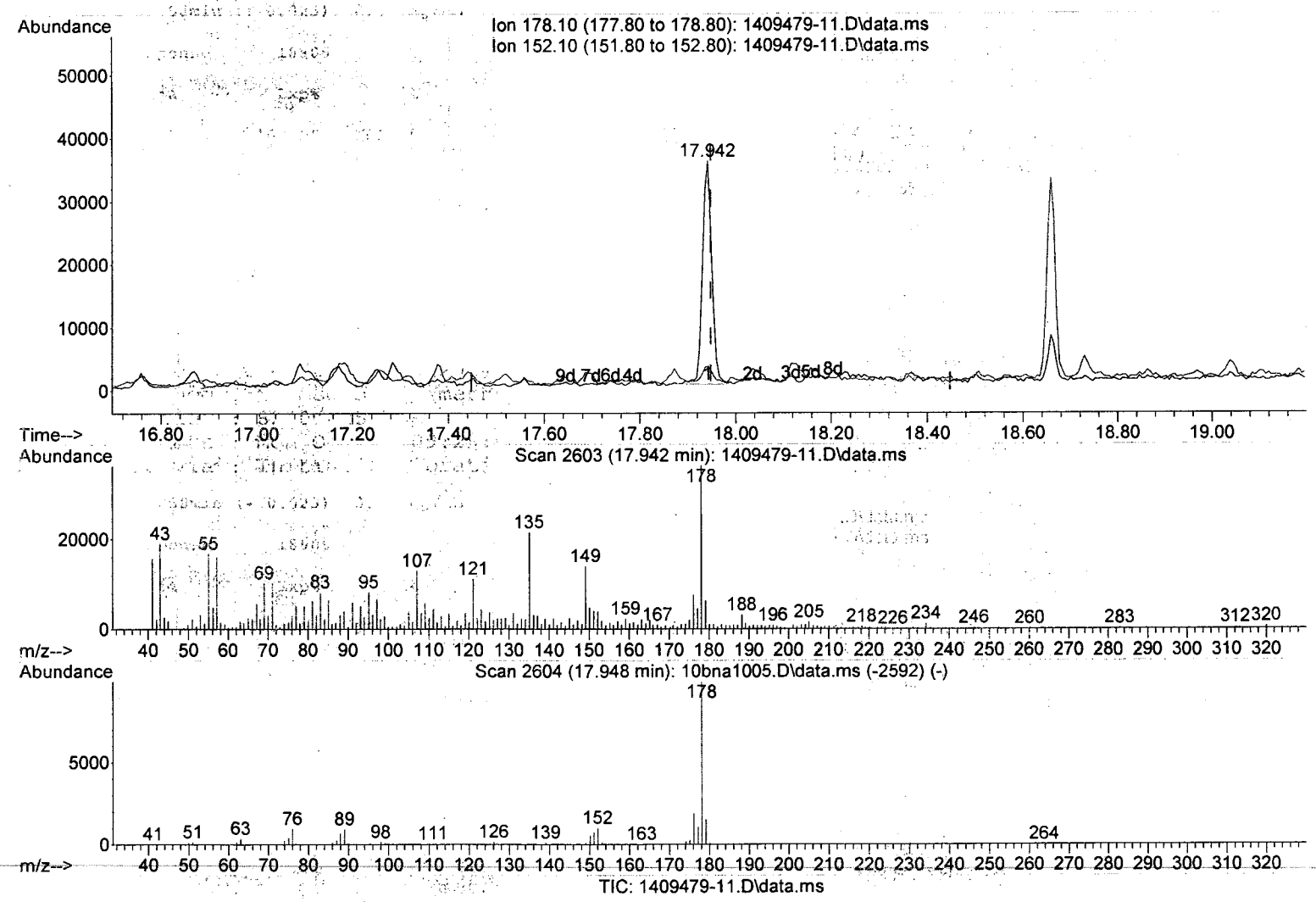
Ion	Exp%	Act%
182.10	100.00	100.00
51.10	127.80	49.61#
0.00	0.00	0.00
0.00	0.00	0.00

PS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409479-11.D\data.ms

(75) Phenanthrene

17.942min (-0.006) 0.16 ng/uL

response 47157

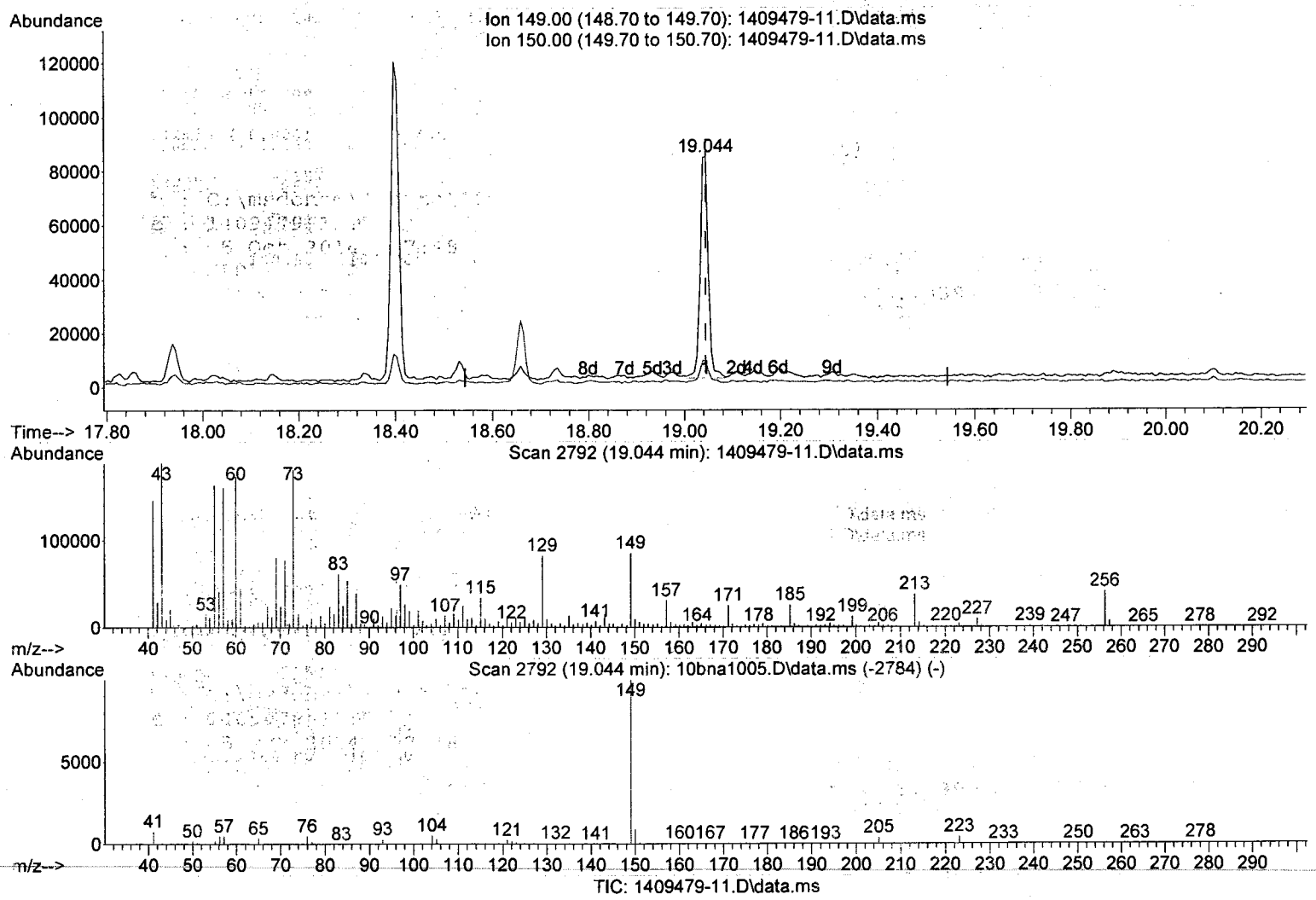
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	8.36
0.00	0.00	0.00
0.00	0.00	0.00

002831

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1409479-11.D\data.ms

(79) Di-n-butyl Phthalate

19.044min (+ 0.000) 0.32 ng/uL

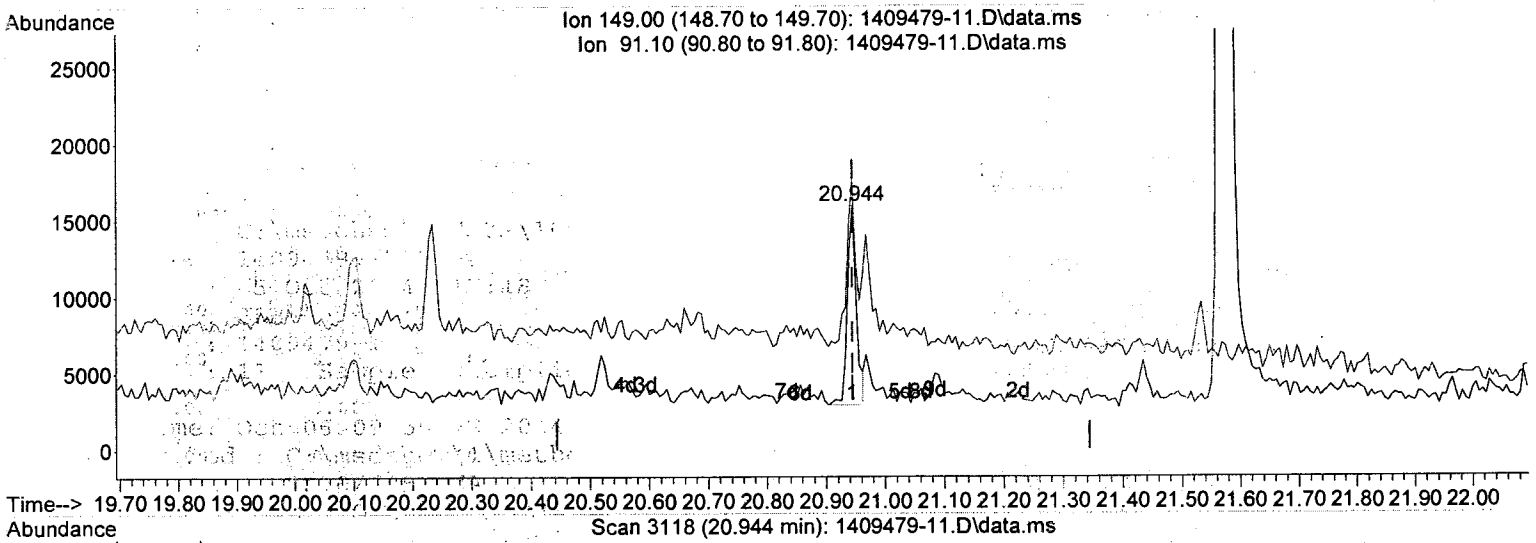
response 95064

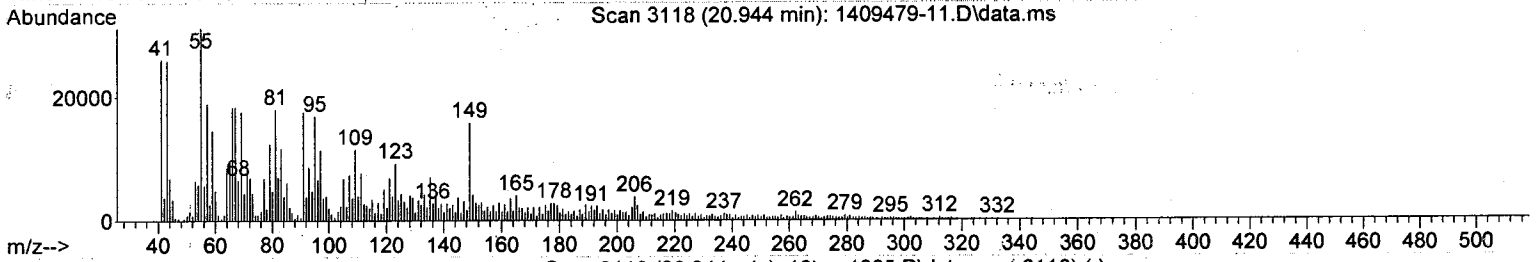
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	11.86#
0.00	0.00	0.00
0.00	0.00	0.00

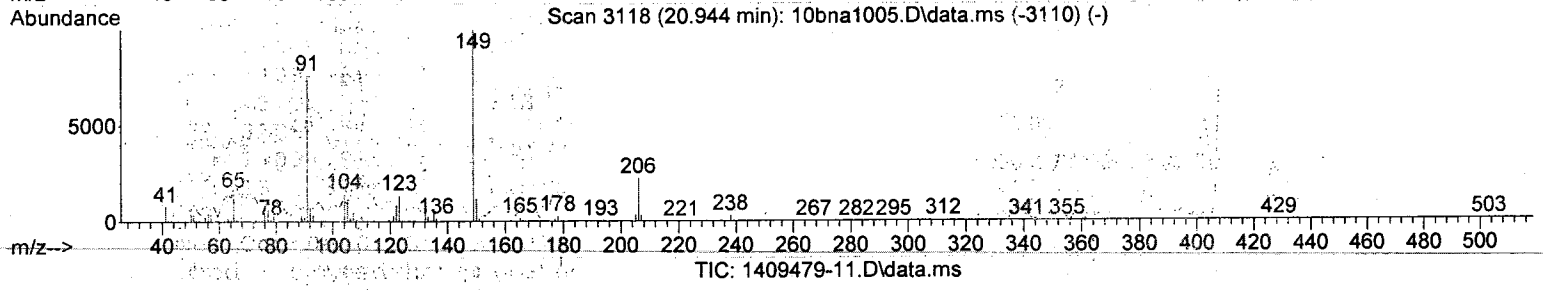
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1409479-11.D\data.ms

(83) Butyl Benzyl Phthalate

20.944min (+ 0.000) 0.11 ng/uL

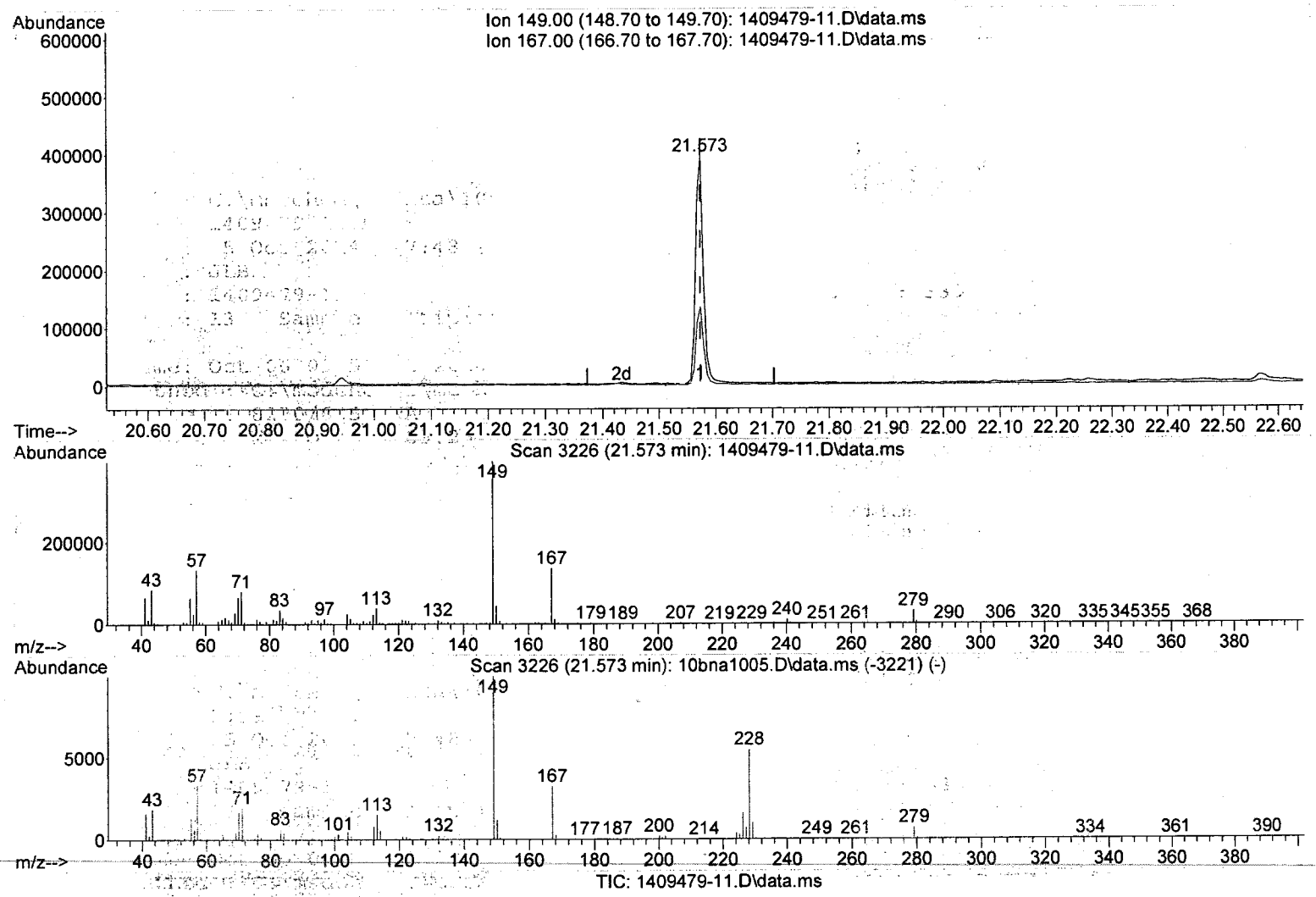
response 13742

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	79.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.573min (+ 0.000) 2.42 ng/uL

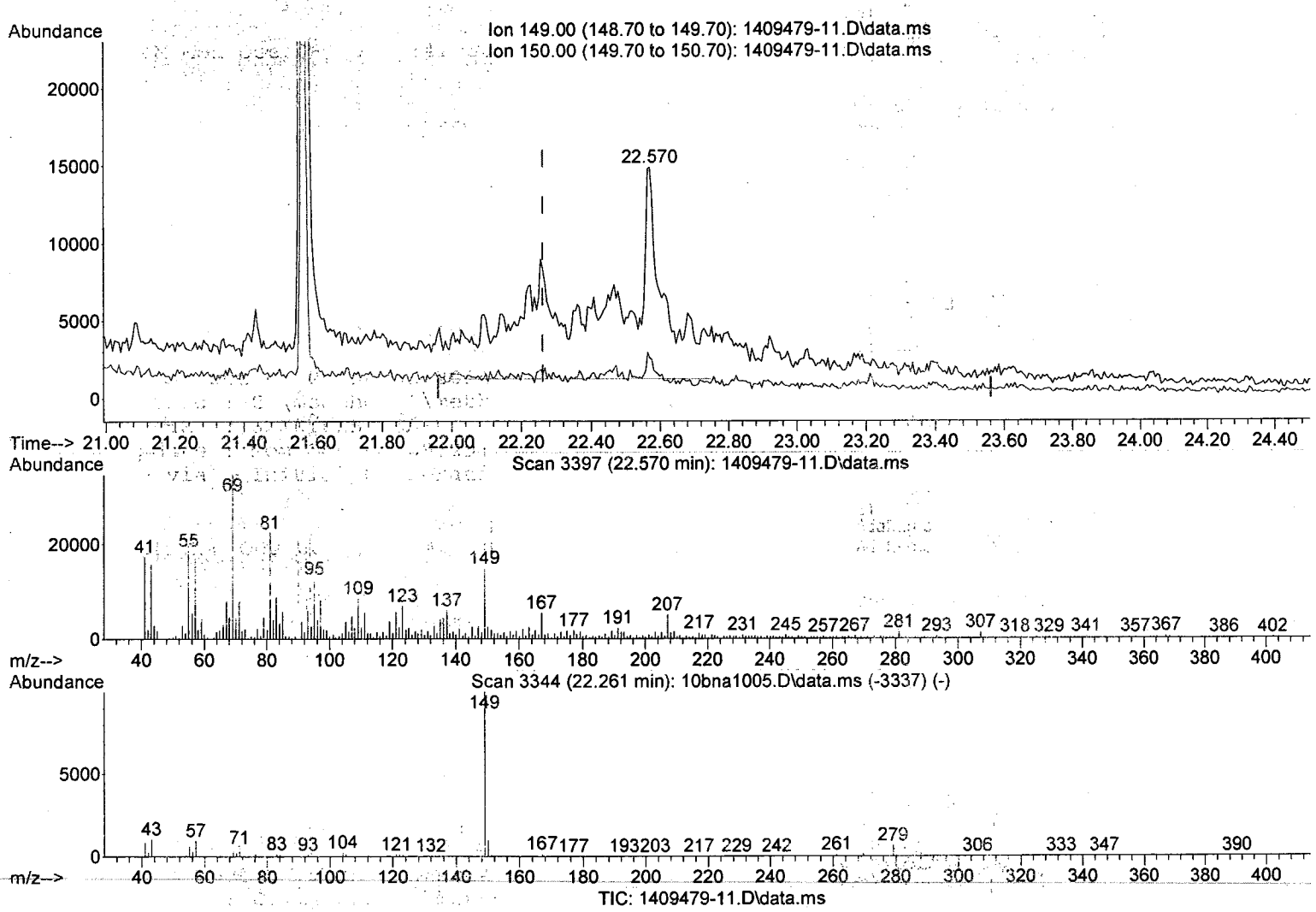
response 376705

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1409479-11.D
Acq On : 5 Oct 2014 17:48
Operator : JLB
Sample : 1409479-11 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 09:50:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.570min (+ 0.309) 1.18 ng/uL

response 240414

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.46#
0.00	0.00	0.00
0.00	0.00	0.00

RT

002835

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB06-14

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-12 File ID: 1409479-12 10x.D

Sampled: 09/25/14 14:05 Prepared: 10/01/14 07:29 Analyzed: 10/10/14 14:08

Solids: 92.50 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410496 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	180	50	180	180	U
208-96-8	Acenaphthylene	10	180	45	180	180	U
120-12-7	Anthracene	10	180	43	180	180	U
56-55-3	Benzo(a)anthracene	10	90	30	90	180	U
50-32-8	Benzo(a)pyrene	10	90	25	90	180	U
205-99-2	Benzo(b)fluoranthene	10	90	21	90	180	U
207-08-9	Benzo(k)fluoranthene	10	90	21	90	180	U
191-24-2	Benzo(g,h,i)perylene	10	90	20	90	360	U
65-85-0	Benzoic Acid	10	1800	750	1800	3600	U
100-51-6	Benzyl Alcohol	10	180	50	180	180	U
101-55-3	4-Bromophenyl Phenyl Ether	10	180	44	180	180	U
85-68-7	Butyl Benzyl Phthalate	10	180	43	180	360	U
86-74-8	Carbazole	10	180	44	180	1800	U
59-50-7	4-Chloro-3-methylphenol	10	180	54	180	180	U
106-47-8	4-Chloroaniline	10	180	96	180	720	U
111-91-1	Bis(2-chloroethoxy)methane	10	180	44	180	180	U
111-44-4	Bis(2-chloroethyl) Ether	10	180	43	180	180	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	90	40	90	180	U
91-58-7	2-Chloronaphthalene	10	180	53	180	180	U
95-57-8	2-Chlorophenol	10	180	43	180	180	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	180	41	180	180	U
218-01-9	Chrysene	10	180	42	180	180	U
53-70-3	Dibenz(a,h)anthracene	10	90	21	90	360	U
132-64-9	Dibenzofuran	10	180	53	180	180	U
84-74-2	Di-n-butyl Phthalate	10	360	150	360	720	U
106-46-7	1,4-Dichlorobenzene	10	180	52	180	180	U
95-50-1	1,2-Dichlorobenzene	10	180	59	180	180	U
541-73-1	1,3-Dichlorobenzene	10	180	61	180	180	U
91-94-1	3,3′-Dichlorobenzidine	10	7200	3000	7200	9000	U
120-83-2	2,4-Dichlorophenol	10	180	44	180	360	U
84-66-2	Diethyl Phthalate	10	180	52	180	180	U
105-67-9	2,4-Dimethylphenol	10	1400	390	1400	1800	U
131-11-3	Dimethyl Phthalate	10	180	51	180	180	U
534-52-1	4,6-Dinitro-2-methylphenol	10	720	230	720	1800	U
51-28-5	2,4-Dinitrophenol	10	1800	600	1800	1800	U
606-20-2	2,6-Dinitrotoluene	10	90	43	90	180	U
121-14-2	2,4-Dinitrotoluene	10	90	35	90	360	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB06-14

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-12
File ID: 1409479-12 10x.D
Sampled: 09/25/14 14:05
Prepared: 10/01/14 07:29
Analyzed: 10/10/14 14:08
Solids: 92.50
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	180	42	180	180	U
122-66-7	1,2-Diphenylhydrazine	10	90	36	90	180	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	180	120	180	360	U
206-44-0	Fluoranthene	10	180	48	180	180	U
86-73-7	Fluorene	10	180	44	180	360	U
118-74-1	Hexachlorobenzene	10	180	51	180	180	U
87-68-3	Hexachlorobutadiene	10	180	50	180	180	U
67-72-1	Hexachloroethane	10	180	54	180	180	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	90	29	90	360	U
78-59-1	Isophorone	10	180	42	180	180	U
91-57-6	2-Methylnaphthalene	10	180	49	180	180	U
108-39-4	3+4-Methylphenol	10	90	40	90	180	U
95-48-7	2-Methylphenol	10	90	38	90	180	U
91-20-3	Naphthalene	10	180	61	180	180	U
100-01-6	4-Nitroaniline	10	720	260	720	3600	U
88-74-4	2-Nitroaniline	10	90	39	90	180	U
99-09-2	3-Nitroaniline	10	360	180	360	3600	U
98-95-3	Nitrobenzene	10	180	50	180	180	U
88-75-5	2-Nitrophenol	10	180	48	180	180	U
100-02-7	4-Nitrophenol	10	3600	1100	3600	7200	U
62-75-9	N-Nitroso-dimethylamine	10	72	36	72	360	U
86-30-6	N-Nitroso-diphenylamine	10	90	37	90	180	U
621-64-7	N-Nitroso-di-n-propylamine	10	180	44	180	180	U
87-86-5	Pentachlorophenol	10	180	140	180	1800	U
85-01-8	Phenanthrene	10	180	44	180	180	U
108-95-2	Phenol	10	180	42	180	1800	U
129-00-0	Pyrene	10	180	47	180	180	U
120-82-1	1,2,4-Trichlorobenzene	10	180	48	180	180	U
95-95-4	2,4,5-Trichlorophenol	10	180	49	180	180	U
88-06-2	2,4,6-Trichlorophenol	10	90	27	90	180	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	748	542	73	33 - 113	D
Phenol-d6	748	580	78	30 - 115	D
Nitrobenzene-d5	374	277	74	33 - 131	D
2-Fluorobiphenyl	374	299	80	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB06-14

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-12
File ID: 1409479-12 10x.D
Sampled: 09/25/14 14:05
Prepared: 10/01/14 07:29
Analyzed: 10/10/14 14:08
Solids: 92.50
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	748	456	61	12 - 124	D
o-Terphenyl	374	318	85	20 - 155	D

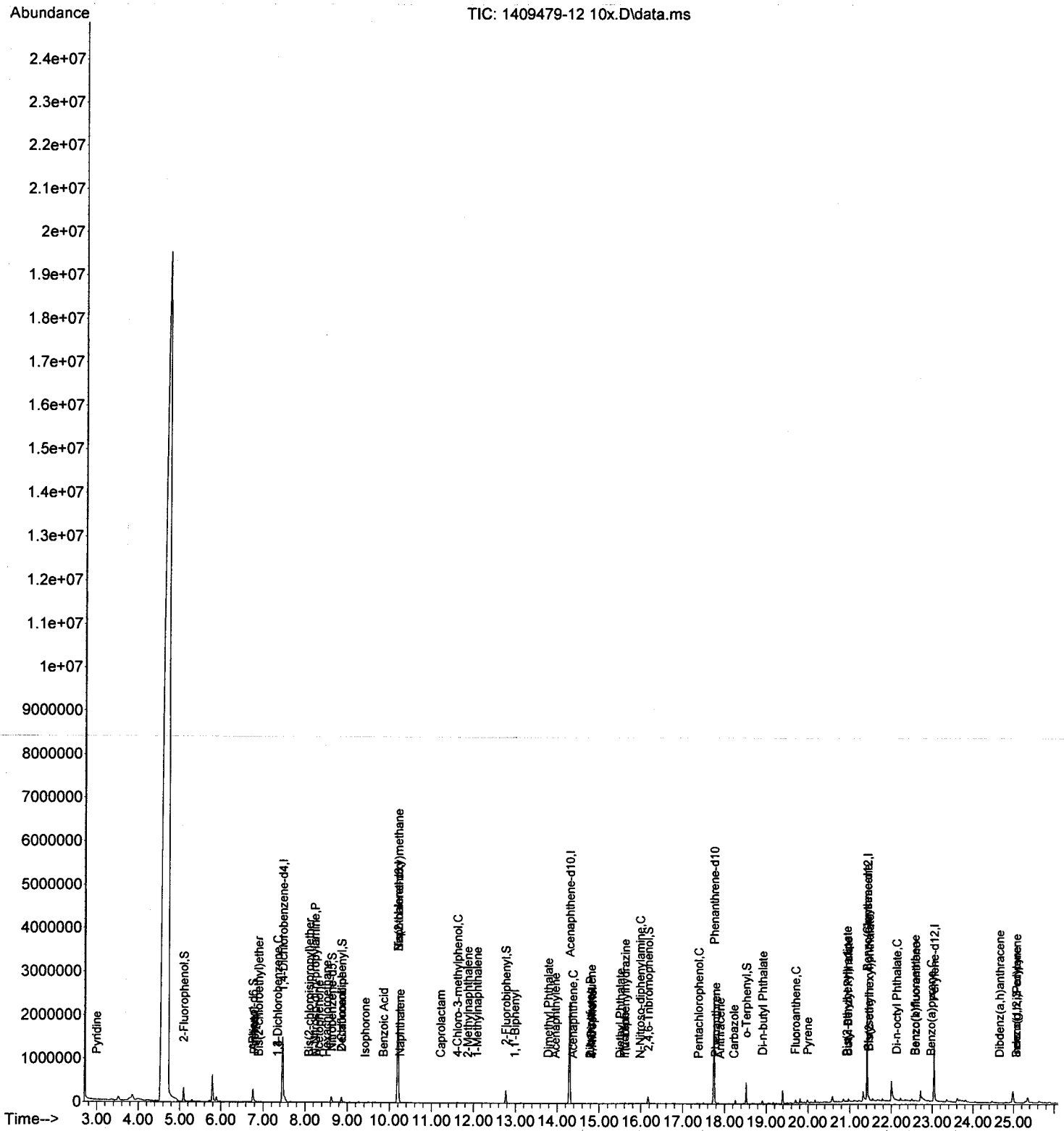
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	487869	7.466	403279	7.614	
Naphthalene-d8	1857743	10.2	1529030	10.359	
Acenaphthene-d10	1027076	14.303	866604	14.474	
Phenanthrene-d10	1594614	17.748	1400442	17.901	
Chrysene-d12	1169897	21.414	1153654	21.538	
Perylene-d12	727113	23.046	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-12 10x.D
Acq On : 10 Oct 2014 14:08
Operator : JLB
Sample : 1409479-12 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 10:16:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-12 10x.D
Acq On : 10 Oct 2014 14:08
Operator : JLB
Sample : 1409479-12 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 10:16:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.466	152	487869	5.00 ng/uL	# 0.00
20) Naphthalene-d8	10.200	136	1857743	5.00 ng/uL	0.00
42) Acenaphthene-d10	14.303	164	1027076	5.00 ng/uL	0.00
66) Phenanthrene-d10	17.748	188	1594614	5.00 ng/uL	0.00
81) Chrysene-d12	21.414	240	1169897	5.00 ng/uL	# 0.00
89) Perylene-d12	23.046	264	727113	5.00 ng/uL	# 0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.094	112	161448	1.45 ng/uL	0.06
6) Phenol-d6	6.761	99	224190	1.55 ng/uL	-0.01
21) Nitrobenzene-d5	8.626	82	87345	0.74 ng/uL	-0.01
23) Decafluorobiphenyl	8.859	334	55510	0.67 ng/uL	-0.01
47) 2-Fluorobiphenyl	12.770	172	170449	0.80 ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.174	330	29543	1.22 ng/uL	-0.02
78) o-Terphenyl	18.523	230	116887	0.85 ng/uL	-0.01
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.	
3) Pyridine	2.990	79	260	0.00 ng/uL#	14
5) Aniline	6.779	93	136	0.22 ng/uL#	1
7) Phenol	6.790	94	14263	0.09 ng/uL#	52
8) Bis(2-chloroethyl)ether	6.889	93	212	0.00 ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.	
10) 1,3-Dichlorobenzene	7.338	146	123	0.00 ng/uL#	63
11) 1,4-Dichlorobenzene	7.338	146	123	0.00 ng/uL#	60
12) 1,2-Dichlorobenzene	0.000		0	N.D.	
13) Bis(2-chloroisipropyl)...	8.090	45	319	0.00 ng/uL#	51
14) Benzyl Alcohol	0.000		0	N.D.	
15) 2-Methylphenol	0.000		0	N.D.	
16) Acetophenone	8.323	105	827	0.00 ng/uL#	81
17) Hexachloroethane	8.504	119	190	0.00 ng/uL#	3
18) 4-Methylphenol	0.000		0	N.D.	
19) N-Nitroso-di-n-propyla...	8.230	70	135	0.00 ng/uL#	1
22) Nitrobenzene	8.620	77	420	0.00 ng/uL#	1
24) Isophorone	9.419	82	216	0.00 ng/uL#	58
25) 2-Chloroaniline	8.859	127	701	0.00 ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.	
27) 2,4-Dimethylphenol	0.000		0	N.D.	
28) Bis(2-chlorethoxy)methane	10.200	93	956	0.01 ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.	
30) Benzoic Acid	9.856	105	325	~~2.46~~ ng/uL#	51
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
32) Naphthalene	10.247	128	3928	0.01 ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.	
34) 2,6-Dichlorophenol	0.000		0	N.D.	
35) Hexachlorobutadiene	0.000		0	N.D.	
36) Caprolactam	11.214	55	2604	0.05 ng/uL#	26
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.	
38) 4-Chloro-3-methylphenol	11.616	107	762	0.01 ng/uL#	19
39) 2-Methylnaphthalene	11.861	142	3411	0.01 ng/uL	97
40) 1-Methylnaphthalene	12.077	142	3047	0.01 ng/uL	93
41) 1,3 Dinitrobenzene	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-12 10x.D
Acq On : 10 Oct 2014 14:08
Operator : JLB
Sample : 1409479-12 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 10:16:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	0.000		0	N.D.	
49) 1,1'-Biphenyl	12.980	154	686	0.00 ng/uL#	71
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.954	152	182	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.785	163	1472	0.01 ng/uL#	69
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.373	153	59	0.00 ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.787	168	1342	0.00 ng/uL#	87
58) 4-Nitrophenol	14.834	65	110	0.00 ng/uL#	1
59) 2,4-Dinitrotoluene	14.810	165	54	0.00 ng/uL#	17
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.603	166	189	0.00 ng/uL#	1
63) Diethyl Phthalate	15.498	149	2890	0.01 ng/uL#	88
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.	
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	15.982	169	134	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	15.615	182	213	0.00 ng/uL	79
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.375	266	237	0.01 ng/uL#	25
75) Phenanthrene	17.789	178	12459	0.04 ng/uL	99
76) Anthracene	17.894	178	546	0.00 ng/uL#	78
77) Carbazole	18.226	167	936	0.00 ng/uL#	92
79) Di-n-butyl Phthalate	18.914	149	33335	0.11 ng/uL	98
80) Fluoroanthene	19.695	202	15566	0.05 ng/uL	96
82) Pyrene	19.986	202	15917	0.06 ng/uL#	80
83) Butyl Benzyl Phthalate	20.954	149	490	0.00 ng/uL	88
84) Bis(2-ethylhexyl) adipate	20.930	129	433	0.07 ng/uL#	100
85) Benzo(a)anthracene	21.408	228	7543	0.04 ng/uL#	1
86) Chrysene	21.443	228	8148	0.04 ng/uL#	42
87) Bis(2-ethylhexyl)phtha...	21.455	149	17778	0.13 ng/uL#	88
88) Di-n-octyl Phthalate	22.125	149	14391	0.40 ng/uL#	76
90) Benzo(b)fluoroanthene	22.574	252	6261m	0.05 ng/uL	
91) Benzo(k)fluoranthene	22.592	252	4883m	0.03 ng/uL	
92) Benzo(a)pyrene	22.970	252	3009	0.02 ng/uL	93
93) Indeno(1,2,3-cd)pyrene	25.063	276	2025	0.02 ng/uL#	67
94) Dibdenz(a,h)anthracene	24.649	278	352	0.00 ng/uL#	1
95) Benzo(g,h,i)Perylene	25.063	276	2025	0.02 ng/uL#	62

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-12 10x.D
Acq On : 10 Oct 2014 14:08
Operator : JLB
Sample : 1409479-12 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 14:56:48 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:52:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.466	152	478398	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.200	136	1857743	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.303	164	1025921	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.748	188	1594614	5.00	ng/uL	0.00
19) Chrysene-d12	21.414	240	1169897	5.00	ng/uL	# 0.00
22) Perylene-d12	23.046	264	727113	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.		
3) Pyridine	3.246	79	286	0.00	ng/uL	98
4) Aniline	6.779	93	136	0.00	ng/uL#	1
5) Benzaldehyde	6.621	105	1581	0.02	ng/uL#	1
6) Acetophenone	8.323	105	827	0.00	ng/uL#	81
7) N-Nitroso-di-n-propyla...	8.230	70	135	0.00	ng/uL#	1
9) 4-Chloroaniline	10.247	127	239	0.01	ng/uL	90
10) Caprolactam	11.214	55	2604	0.14	ng/uL#	26
12) 1,1'-Biphenyl	12.980	154	686	0.00	ng/uL#	71
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	15.982	169	134	0.00	ng/uL#	26
18) Atrazine	0.000		0	N.D.		
20) Benzidine	19.922	184	159	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.333	252	113	0.00	ng/uL	89

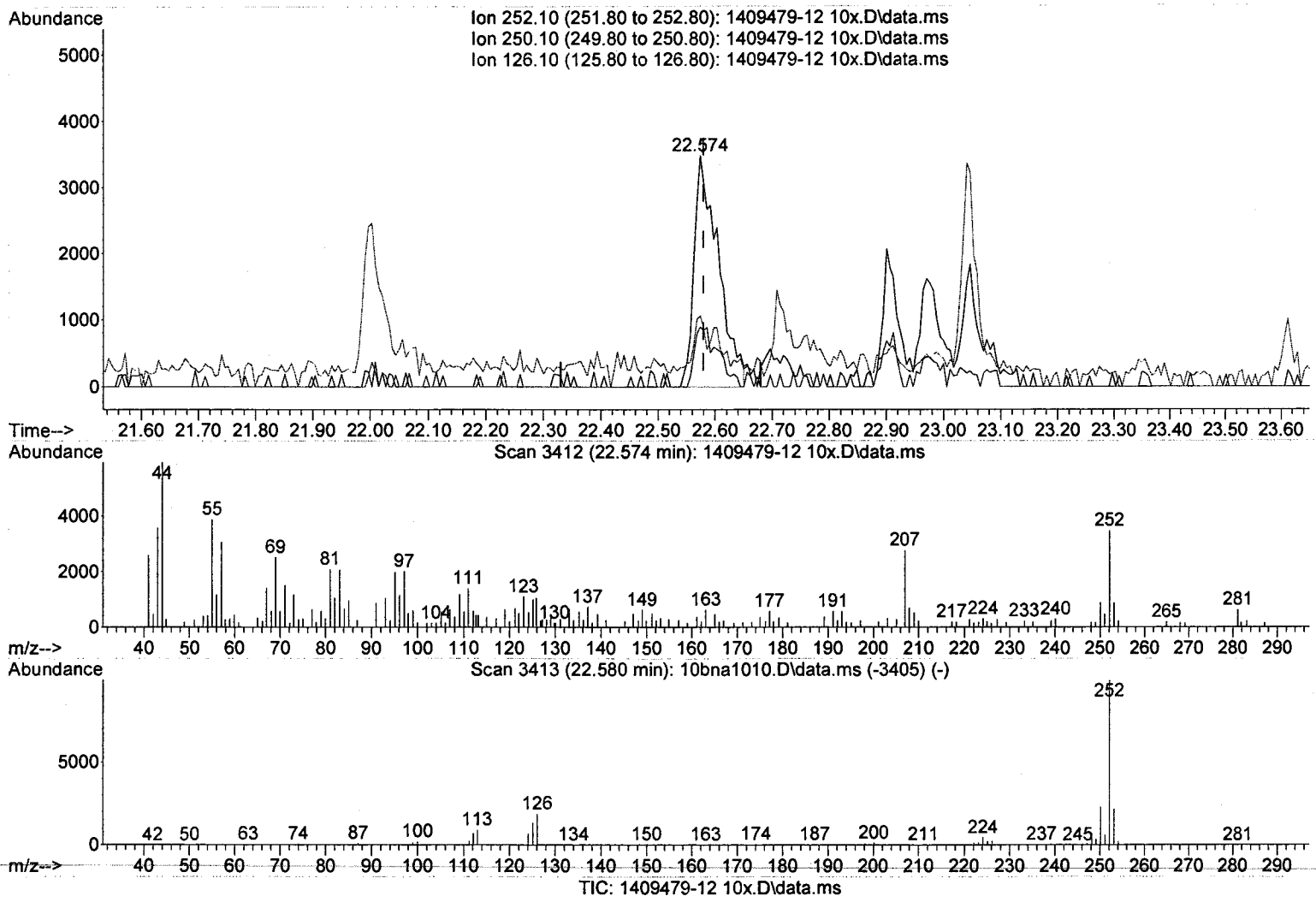
(#) = qualifier out of range (m) = manual integration (+) = signals summed

002842

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-12 10x.D
Acq On : 10 Oct 2014 14:08
Operator : JLB
Sample : 1409479-12 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 15:04:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.574min (-0.006) 0.08 ng/uL

response 10187

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	25.17
126.10	17.20	12.65#
0.00	0.00	0.00

DWO 10-17-14

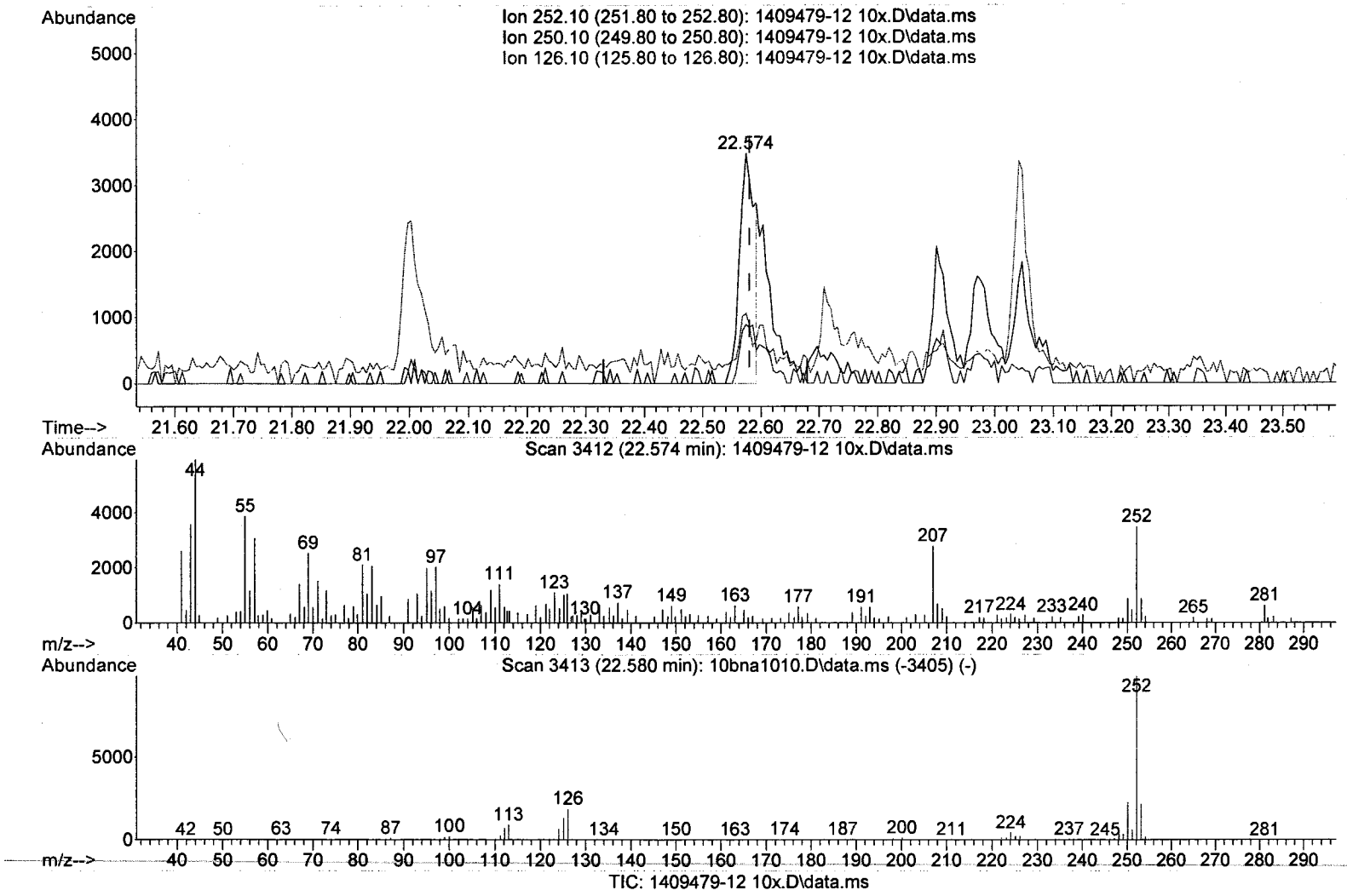
JLB 10/15/14

002843

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-12 10x.D
Acq On : 10 Oct 2014 14:08
Operator : JLB
Sample : 1409479-12 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 10:16:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



TIC: 1409479-12 10x.D\data.ms

(90) Benzo(b)fluoroanthene

22.574min (-0.006) 0.05 ng/uL m

response 6261

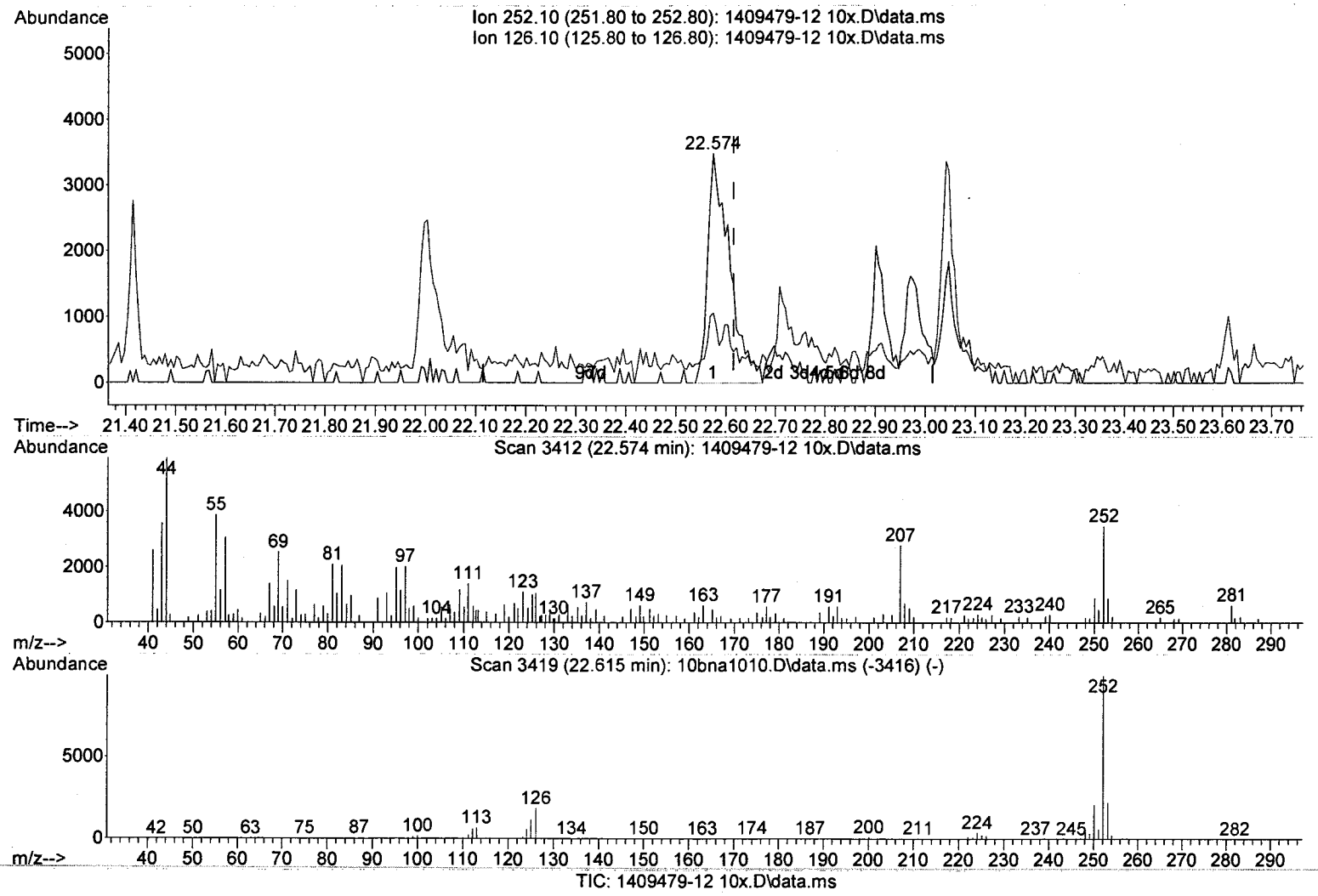
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	40.95#
126.10	17.20	20.59
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software
Flagged on Quantitation Report: (Yes) No
Analyst: _____ Date: 10/15/14
Reviewed By: _____ Date: 10-17-14
LMDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-12 10x.D
Acq On : 10 Oct 2014 14:08
Operator : JLB
Sample : 1409479-12 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 15:04:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



TIC: 1409479-12 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.574min (-0.041) 0.07 ng/uL

response 10458

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	12.33#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: Yes / No

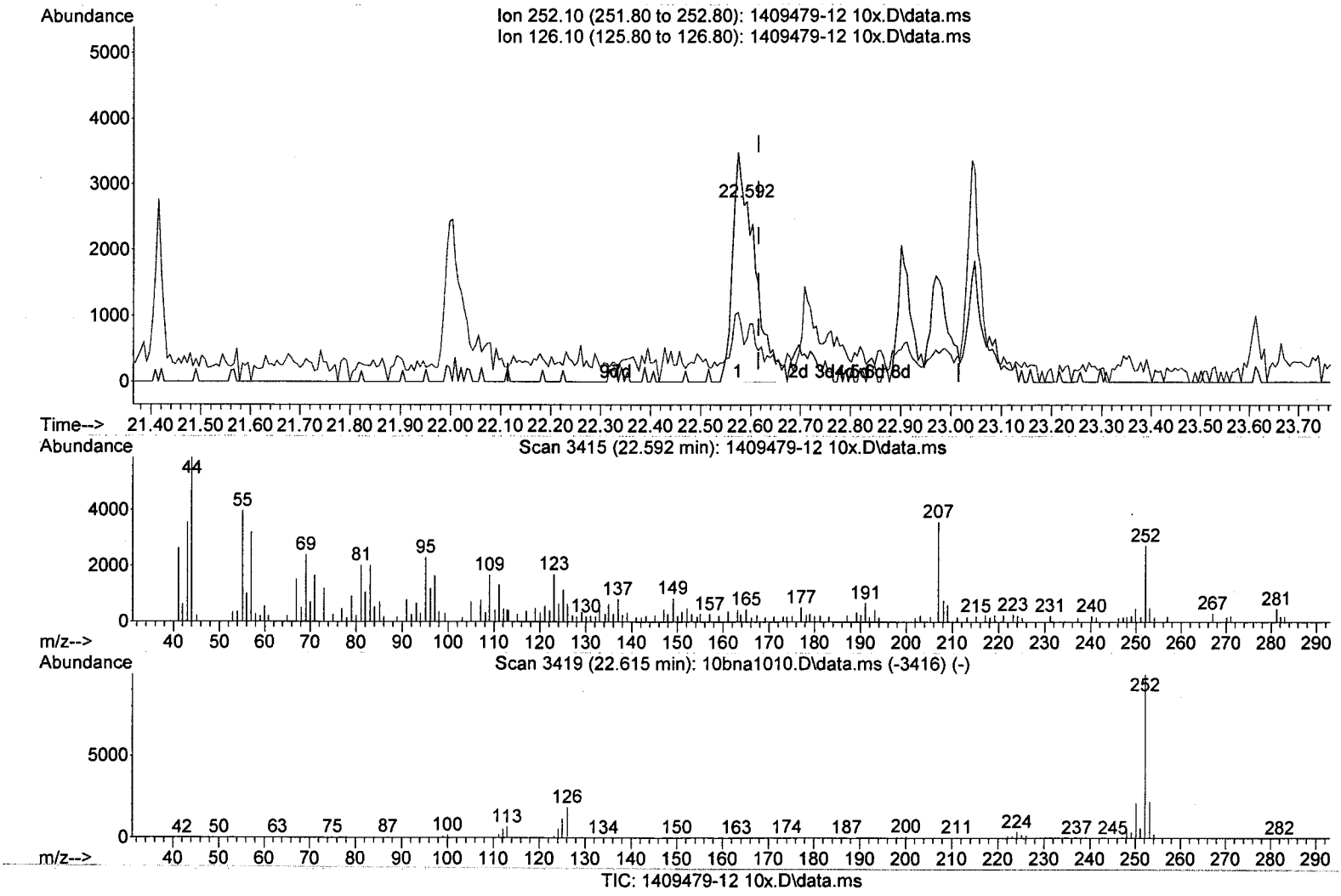
Analyst: _____ Date: 10/15/14

Reviewed By: _____ Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-12 10x.D
Acq On : 10 Oct 2014 14:08
Operator : JLB
Sample : 1409479-12 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 15:04:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



TIC: 1409479-12 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.592min (-0.023) 0.03 ng/uL m

response 4883

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	26.40#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

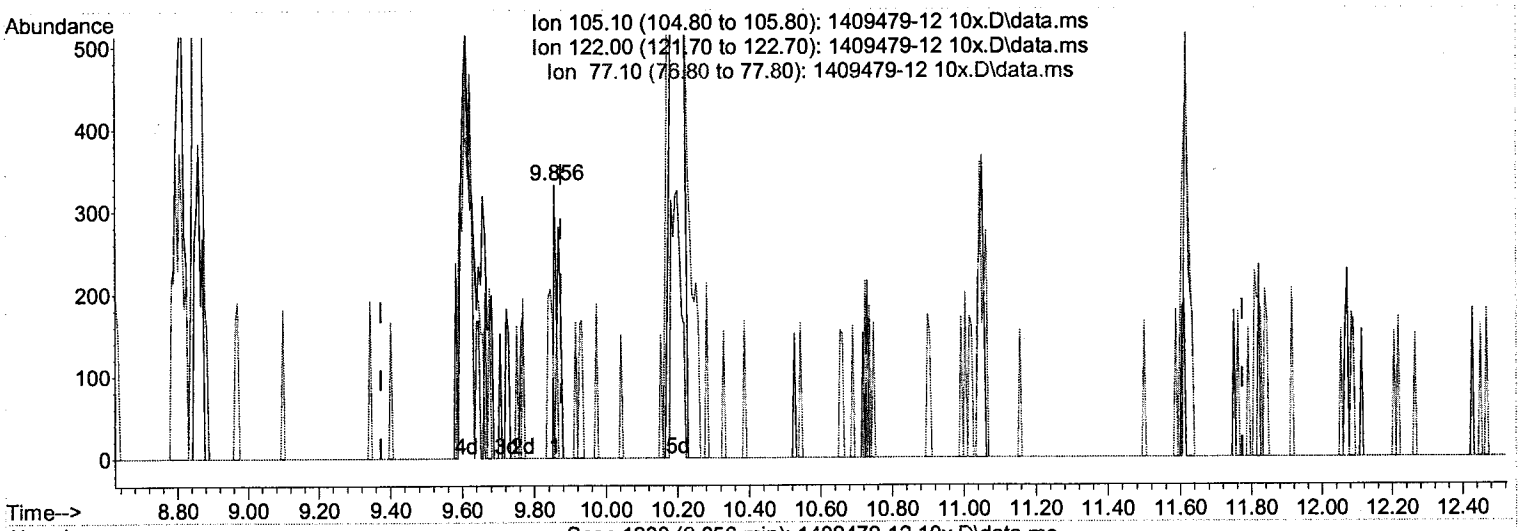
Flagged on Quantitation Report: (Yes) / No
Analyst: [signature] Date: 10/15/14
Reviewed By: [signature] Date: 10-17-14

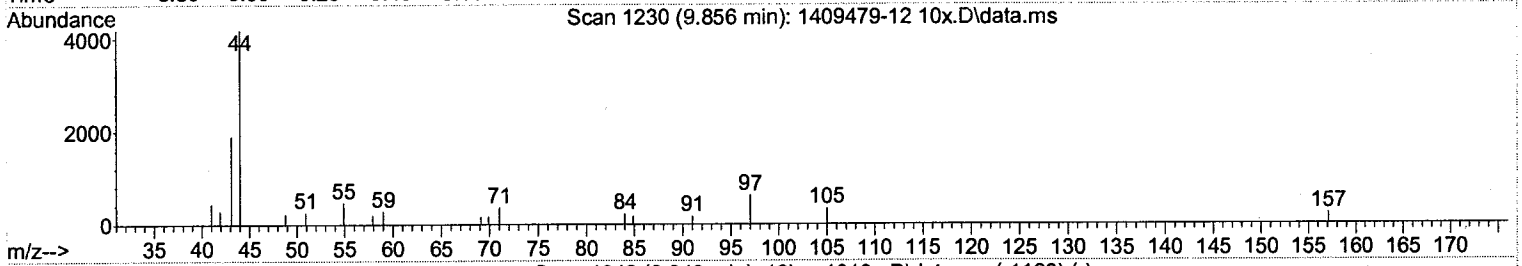
002846

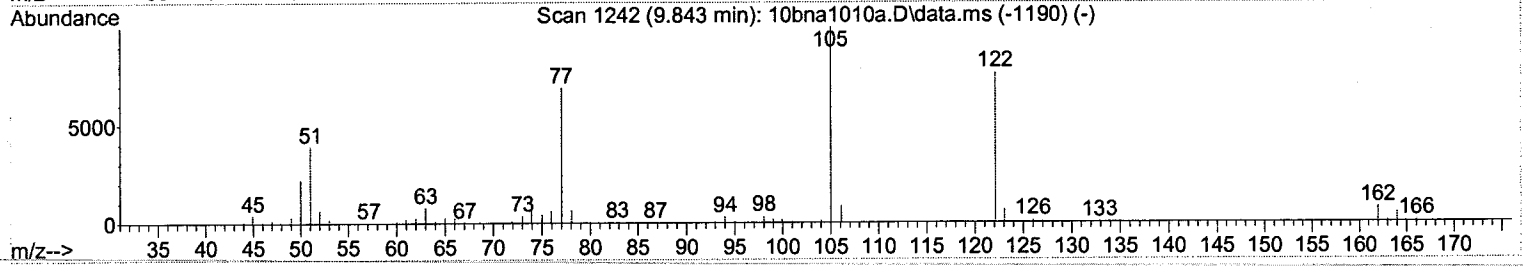
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-12 10x.D
Acq On : 10 Oct 2014 14:08
Operator : JLB
Sample : 1409479-12 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 15:04:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-12 10x.D\data.ms

(30) Benzoic Acid

9.856min (-0.017) 2.46 ng/uL

response 325

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	78.77
0.00	0.00	0.00

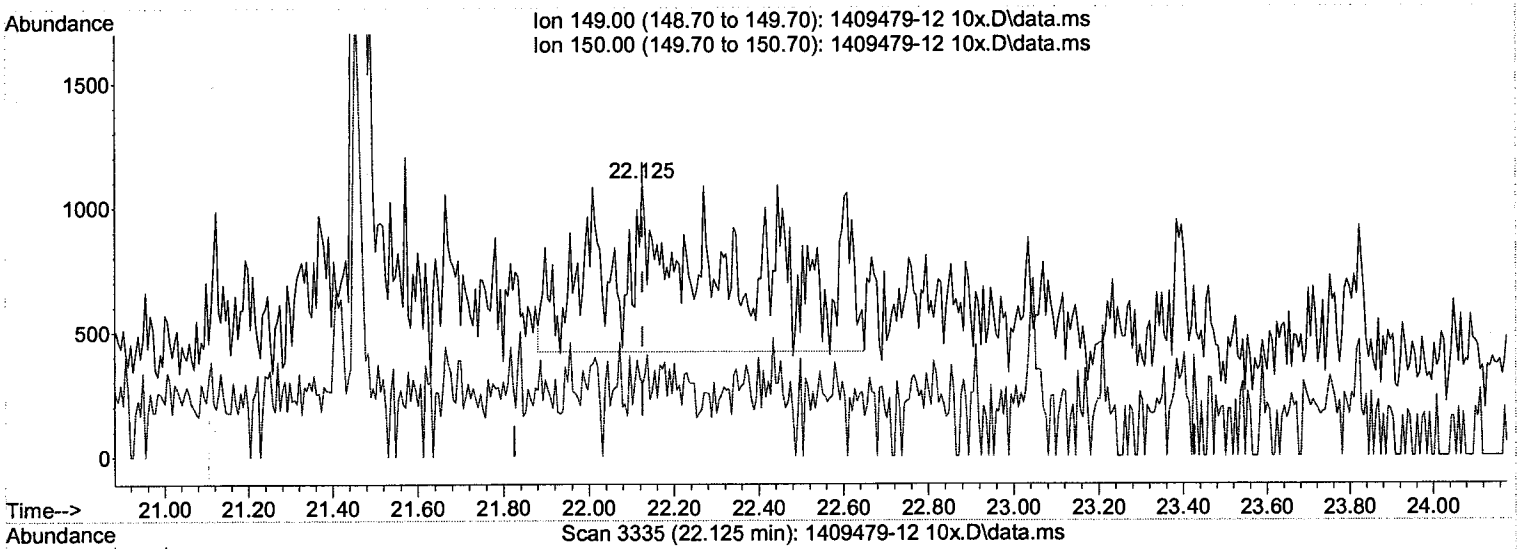
PP

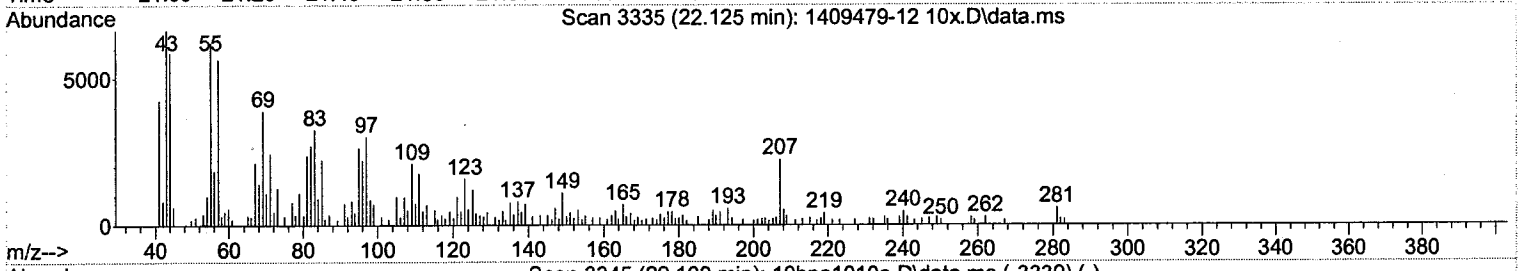
002847

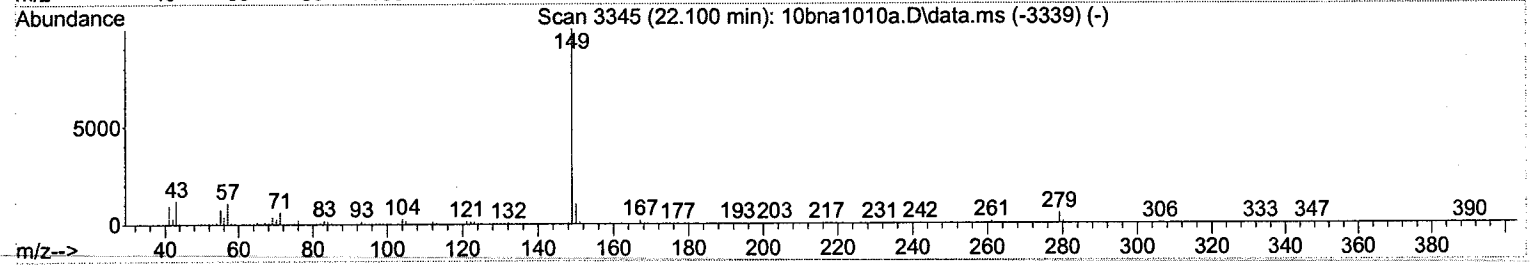
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-12 10x.D
Acq On : 10 Oct 2014 14:08
Operator : JLB
Sample : 1409479-12 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 15:04:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-12 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.125min (+ 0.000) 0.40 ng/uL

response 14391

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.76#
0.00	0.00	0.00
0.00	0.00	0.00

PP

002848

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB06-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-13
File ID: 1409479-13.D
Sampled: 09/25/14 14:20
Prepared: 10/01/14 07:29
Analyzed: 10/07/14 20:20
Solids: 97.70
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	89	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	40	14	34	68	J
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB06-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-13
File ID: 1409479-13.D
Sampled: 09/25/14 14:20
Prepared: 10/01/14 07:29
Analyzed: 10/07/14 20:20
Solids: 97.70
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	59	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	5.6	4.0	17	170	J
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	701	275	39	33 - 113	
Phenol-d6	701	256	36	30 - 115	
Nitrobenzene-d5	351	282	81	33 - 131	
2-Fluorobiphenyl	351	288	82	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB06-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-13
File ID: 1409479-13.D
Sampled: 09/25/14 14:20
Prepared: 10/01/14 07:29
Analyzed: 10/07/14 20:20
Solids: 97.70
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	701	500	71	12 - 124	
o-Terphenyl	351	300	86	20 - 155	

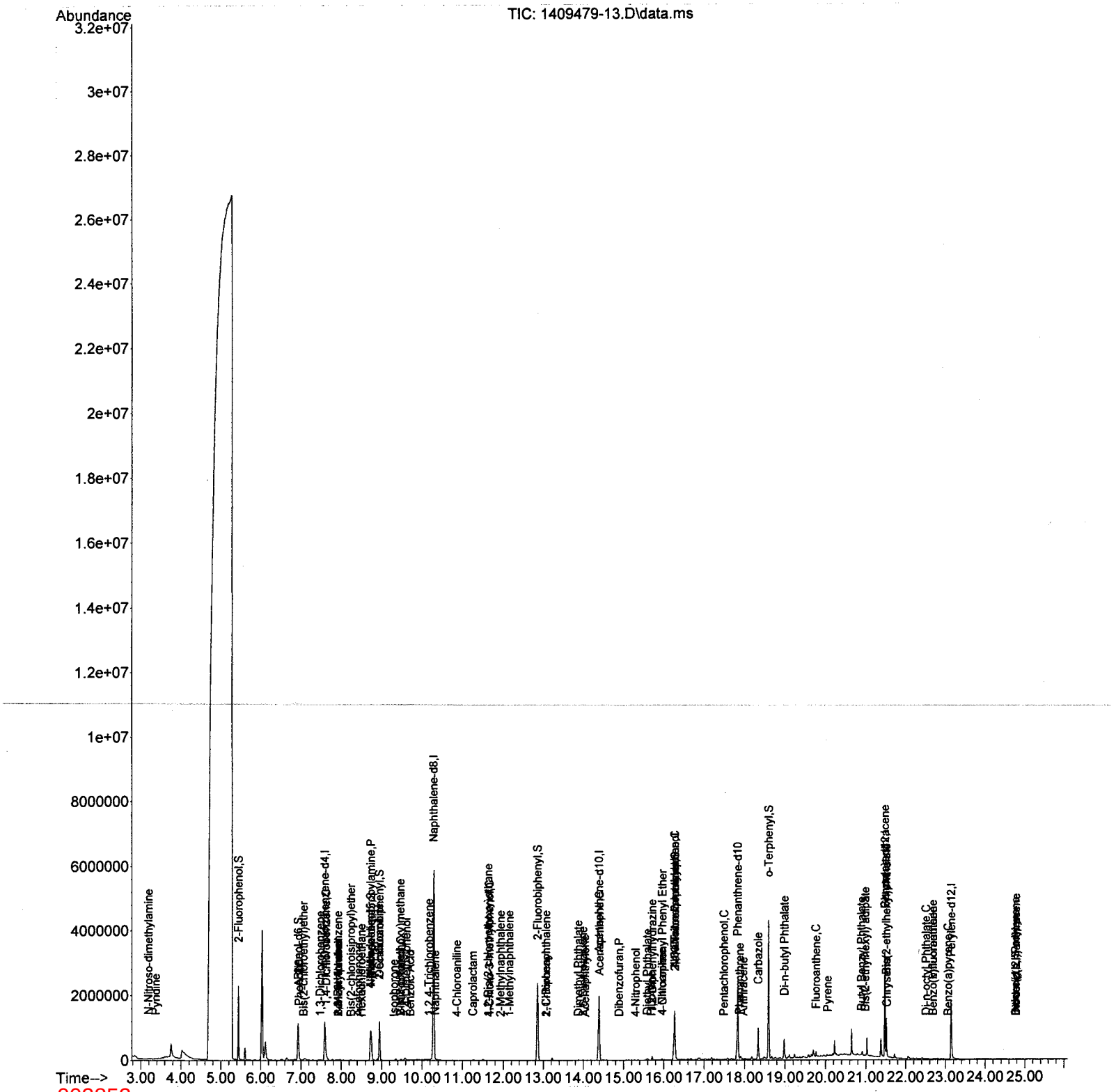
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	441801	7.59	403279	7.614	
Naphthalene-d8	1643111	10.289	1529030	10.359	
Acenaphthene-d10	1034814	14.392	866604	14.474	
Phenanthrene-d10	1717825	17.831	1400442	17.901	
Chrysene-d12	1477238	21.486	1153654	21.538	
Perylene-d12	1017954	23.141	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 09:35:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 09:35:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	441801	5.00	ng/uL	# 0.07
20) Naphthalene-d8	10.289	136	1643111	5.00	ng/uL	0.02
42) Acenaphthene-d10	14.392	164	1034814	5.00	ng/uL	0.02
66) Phenanthrene-d10	17.831	188	1717825	5.00	ng/uL	0.02
81) Chrysene-d12	21.486	240	1477238	5.00	ng/uL	# 0.01
89) Perylene-d12	23.141	264	1017954	5.00	ng/uL	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.440	112	792737m	7.85	ng/uL	0.33
6) Phenol-d6	6.932	99	953560	7.30	ng/uL	0.10
21) Nitrobenzene-d5	8.733	82	845560	8.05	ng/uL	0.03
23) Decafluorobiphenyl	8.948	334	626983	8.51	ng/uL	0.02
47) 2-Fluorobiphenyl	12.859	172	1760588	8.23	ng/uL	0.01
70) 2,4,6-Tribromophenol	16.281	330	371440	14.26	ng/uL	0.02
78) o-Terphenyl	18.601	230	1261240	8.56	ng/uL	0.02
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.196	74	1412	0.02	ng/uL	98
3) Pyridine	3.376	79	471	0.00	ng/uL	99
5) Aniline	6.943	93	508	0.23	ng/uL#	1
7) Phenol	6.955	94	23804	0.16	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.066	93	120	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.480	146	1568	0.01	ng/uL#	1
11) 1,4-Dichlorobenzene	7.620	146	539	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	7.917	146	1313	0.01	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.249	45	716	0.00	ng/uL#	51
14) Benzyl Alcohol	7.928	108	327	0.00	ng/uL#	1
15) 2-Methylphenol	7.928	108	327	0.00	ng/uL#	1
16) Acetophenone	8.430	105	1529	0.01	ng/uL#	69
17) Hexachloroethane	8.505	119	58	0.00	ng/uL#	3
18) 4-Methylphenol	8.727	108	690	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.733	70	110024	RT 1.38	ng/uL#	3
22) Nitrobenzene	8.733	77	3402	0.03	ng/uL#	1
24) Isophorone	9.310	82	1584	0.01	ng/uL#	75
25) 2-Chloroaniline	8.943	127	8339	0.06	ng/uL#	59
26) 2-Nitrophenol	9.479	139	55	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.619	107	67	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.467	93	324	0.00	ng/uL	94
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.712	105	8746	2.55	ng/uL	97
31) 1,2,4-Trichlorobenzene	10.178	180	681	0.01	ng/uL	87
32) Naphthalene	10.330	128	1959	0.01	ng/uL#	1
33) 4-Chloroaniline	10.866	127	791	0.01	ng/uL#	40
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.257	55	12225	0.26	ng/uL#	36
37) 1,2-Bis(2-chloroethoxy...	11.635	63	205	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.665	107	375	0.00	ng/uL#	1
39) 2-Methylnaphthalene	11.939	142	307	0.00	ng/uL#	22
40) 1-Methylnaphthalene	12.154	142	65	0.00	ng/uL#	9
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 09:35:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.069	162	241	0.00 ng/uL	90
49) 1,1'-Biphenyl	13.069	154	768	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.043	152	81	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.996	165	698	0.01 ng/uL#	35
53) Dimethyl Phthalate	13.880	163	12508	0.06 ng/uL#	89
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.404	153	54	0.00 ng/uL#	12
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.888	168	120	0.00 ng/uL#	37
58) 4-Nitrophenol	15.302	65	110	0.00 ng/uL#	1
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.692	166	59	0.00 ng/uL#	1
63) Diethyl Phthalate	15.593	149	20495	0.10 ng/uL	92
64) 4-Chlorophenyl Phenyl ...	15.966	204	1688	0.02 ng/uL#	9
65) 4-Nitroaniline	15.960	138	304	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.275	198	1077	RJ ~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.275	169	13516	0.07 ng/uL#	33
69) 1,2-Diphenylhydrazine	15.716	182	156	0.00 ng/uL	98
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.493	266	187	0.01 ng/uL#	1
75) Phenanthrene	17.878	178	2193	0.01 ng/uL#	84
76) Anthracene	17.971	178	258	0.00 ng/uL#	1
77) Carbazole	18.338	167	20058	0.07 ng/uL#	64
79) Di-n-butyl Phthalate	18.985	149	378972	(1.15) ng/uL	99
80) Fluoroanthene	19.766	202	1636	0.01 ng/uL#	91
82) Pyrene	20.058	202	1595	0.00 ng/uL	93
83) Butyl Benzyl Phthalate	20.891	149	3973m	0.03 ng/uL	
84) Bis(2-ethylhexyl) adipate	20.990	129	3443	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.486	228	4049	0.02 ng/uL#	1
86) Chrysene	21.532	228	59	0.00 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.521	149	299368	(1.69) ng/uL#	89
88) Di-n-octyl Phthalate	22.512	149	61784	PP ~~0.53~~ ng/uL#	76
90) Benzo(b)fluoroanthene	22.681	252	455	RJ 0.00 ng/uL#	56
91) Benzo(k)fluoranthene	22.681	252	455	0.00 ng/uL#	58
92) Benzo(a)pyrene	23.065	252	222	0.00 ng/uL#	67
93) Indeno(1,2,3-cd)pyrene	24.762	276	497	0.00 ng/uL#	71
94) Dibdenz(a,h)anthracene	24.779	278	545	0.00 ng/uL	98
95) Benzo(g,h,i)Perylene	24.762	276	497	0.00 ng/uL#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 07:58:11 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

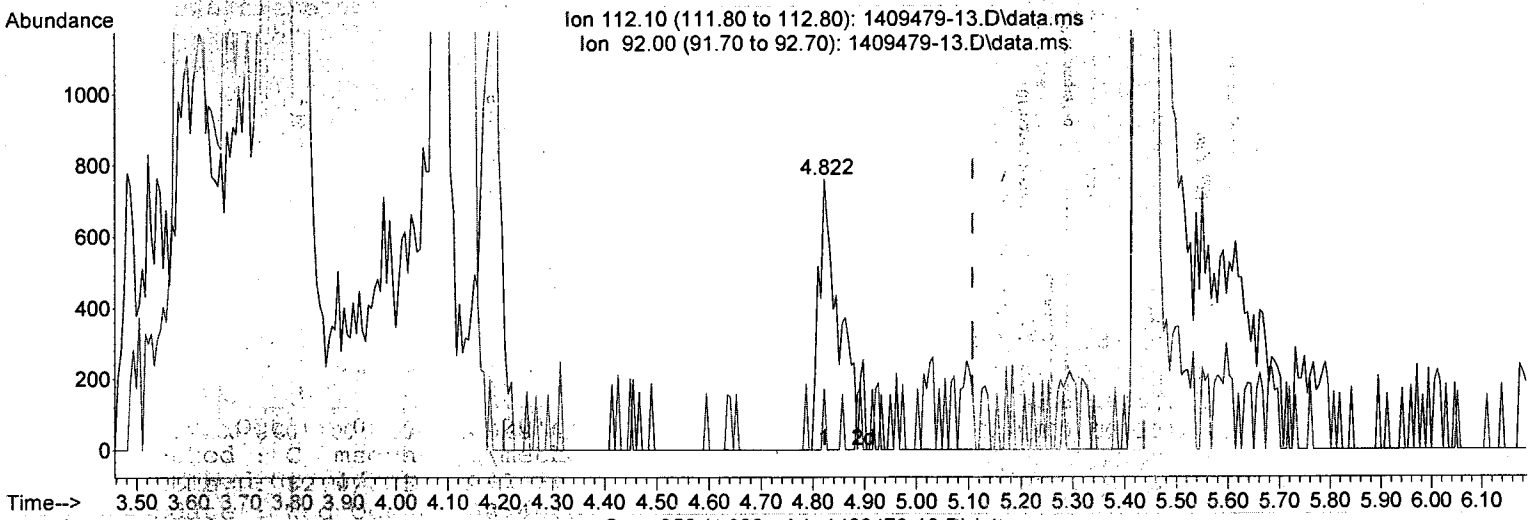
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	429041	5.00	ng/uL	# 0.03
8) Naphthalene-d8	10.289	136	1643111	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.392	164	1032158	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.831	188	1717825	5.00	ng/uL	0.00
19) Chrysene-d12	21.486	240	1450447	5.00	ng/uL	# 0.00
22) Perylene-d12	23.141	264	1017954	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.196	74	1412	0.02	ng/uL	97
3) Pyridine	3.085	79	1462	0.01	ng/uL#	54
4) Aniline	6.943	93	508	0.00	ng/uL#	1
5) Benzaldehyde	6.780	105	2353	0.02	ng/uL#	1
6) Acetophenone	8.430	105	1529	0.01	ng/uL#	69
7) N-Nitroso-di-n-propyla...	8.465	70	130	0.00	ng/uL#	1
9) 4-Chloroaniline	10.493	127	194	0.01	ng/uL#	29
10) Caprolactam	11.257	55	5955	0.21	ng/uL#	51
12) 1,1'-Biphenyl	13.069	154	768	0.00	ng/uL#	40
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	15.925	138	65	Below Cal	#	56
17) N-Nitroso-diphenylamine	16.275	169	13516	0.07	ng/uL#	33
18) Atrazine	0.000		0	N.D.		
20) Benzidine	20.011	184	184	0.41	ng/uL#	71
21) 3,3'-Dichlorobenzidine	21.381	252	317	0.00	ng/uL#	19

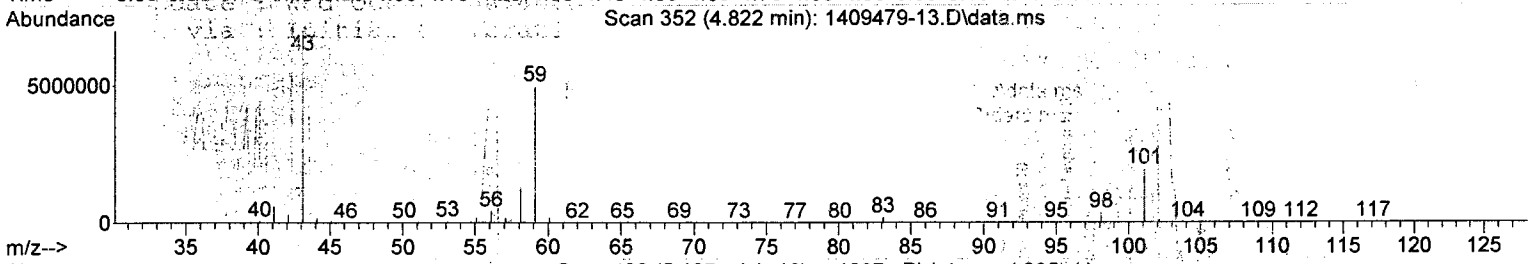
(#) = qualifier out of range (m) = manual integration (+) = signals summed

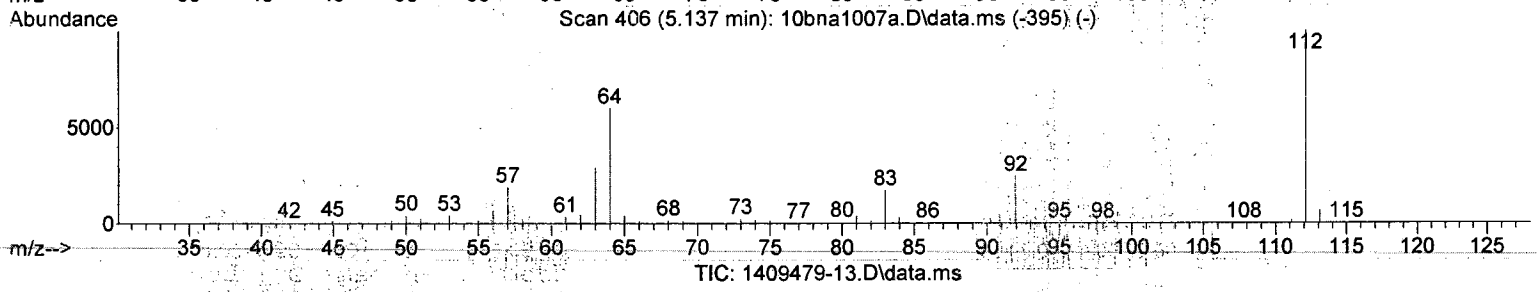
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 08:44:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Titled : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-13.D\data.ms

(4) 2-Fluorophenol (S)

4.822min (-0.286) 0.02 ng/uL

response 1994

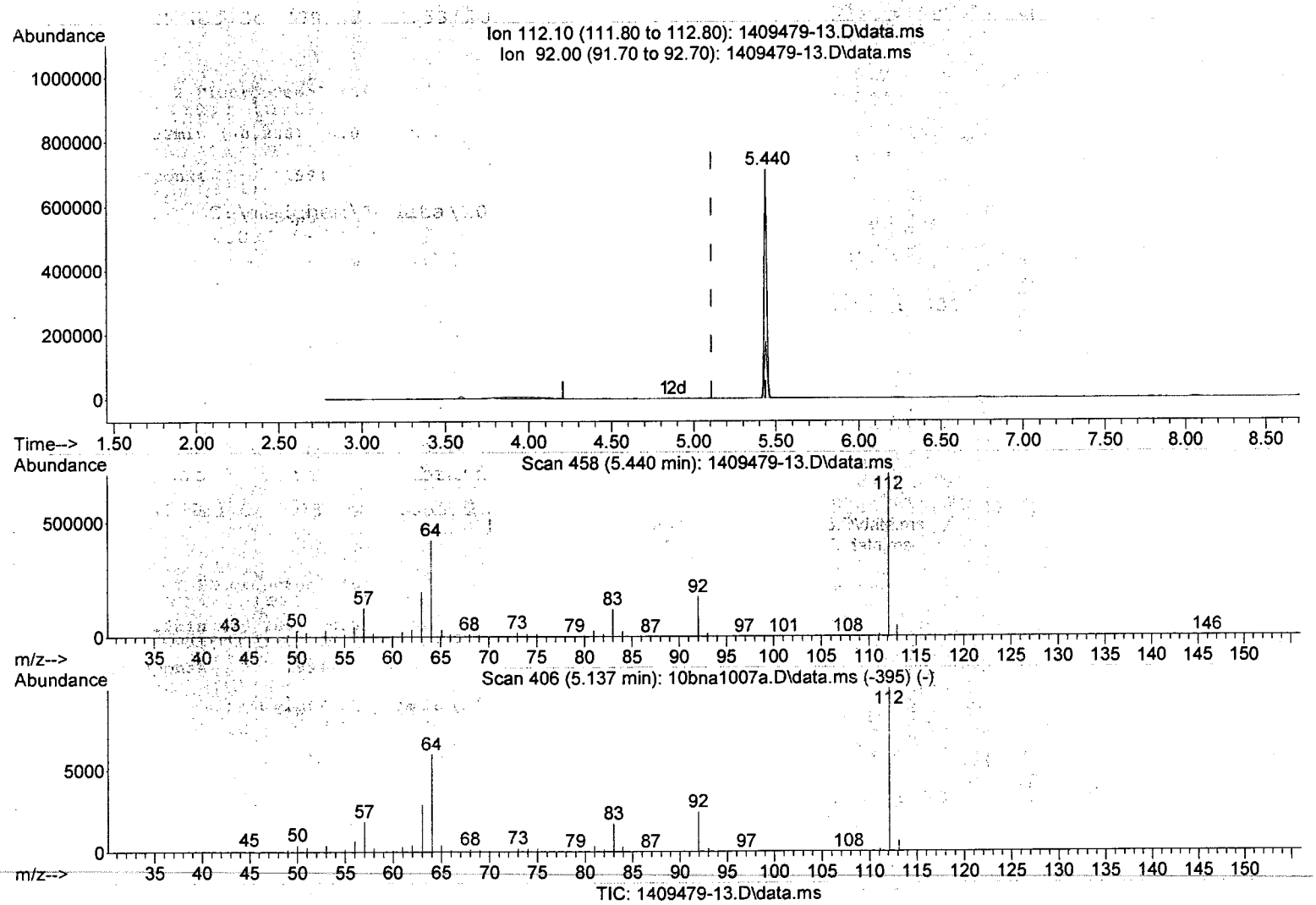
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

10/9/14 DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 08:44:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-13.D\data.ms

(4) 2-Fluorophenol (S)

5.440min (+ 0.332) 7.85 ng/uL m

response 792737

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

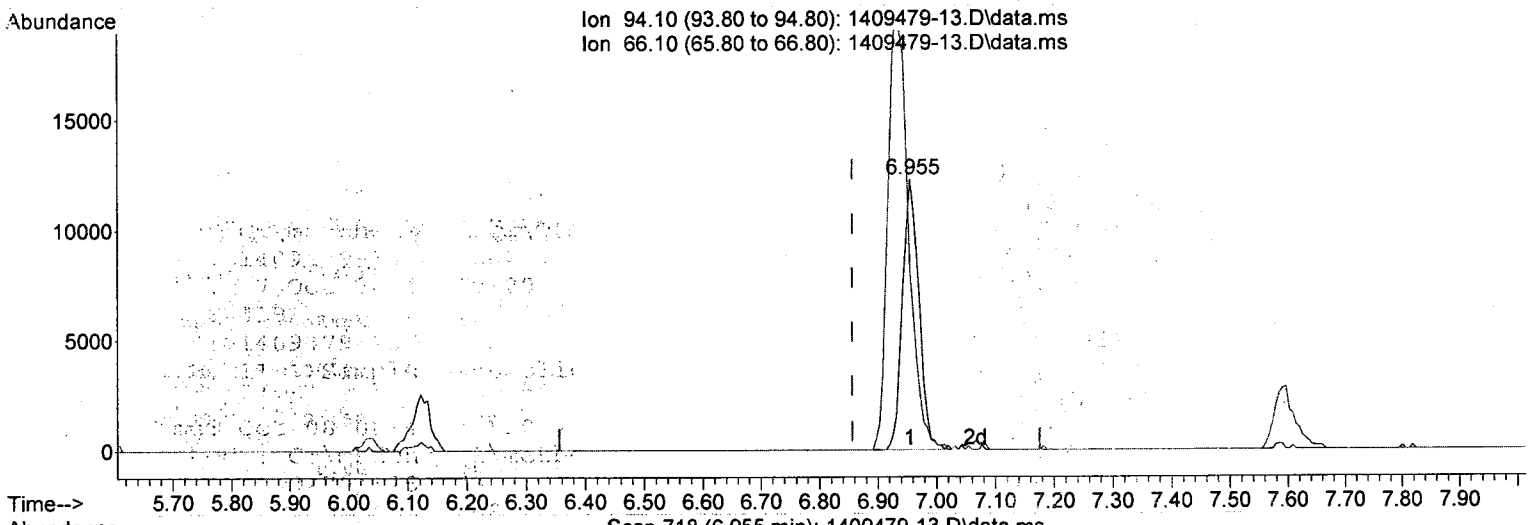
Analyst: JWB Date: 10/9/14

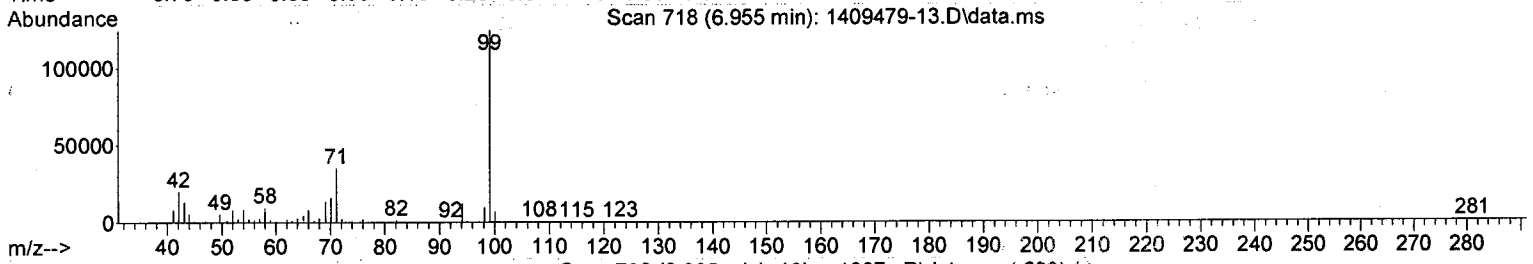
Reviewed By: DWS Date: 10-17-14

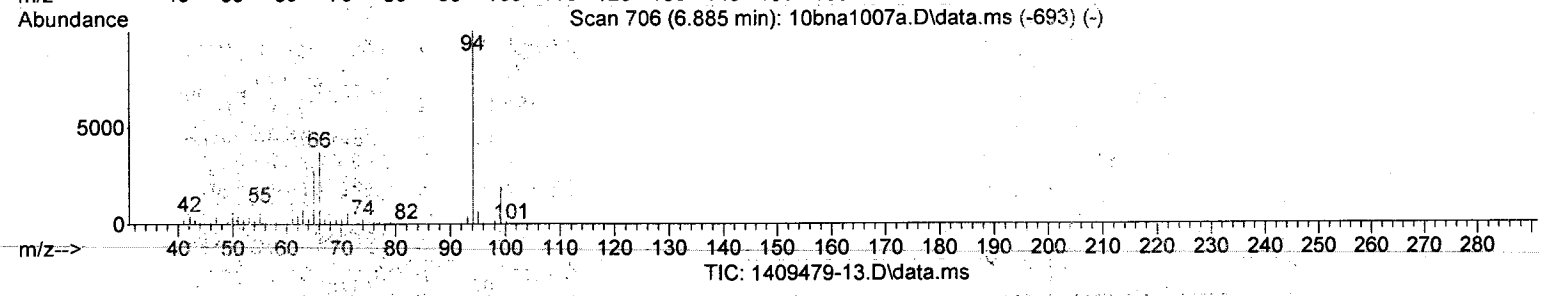
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 08:44:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-13.D\data.ms

(7) Phenol (C)

6.955min (+ 0.099) 0.16 ng/uL

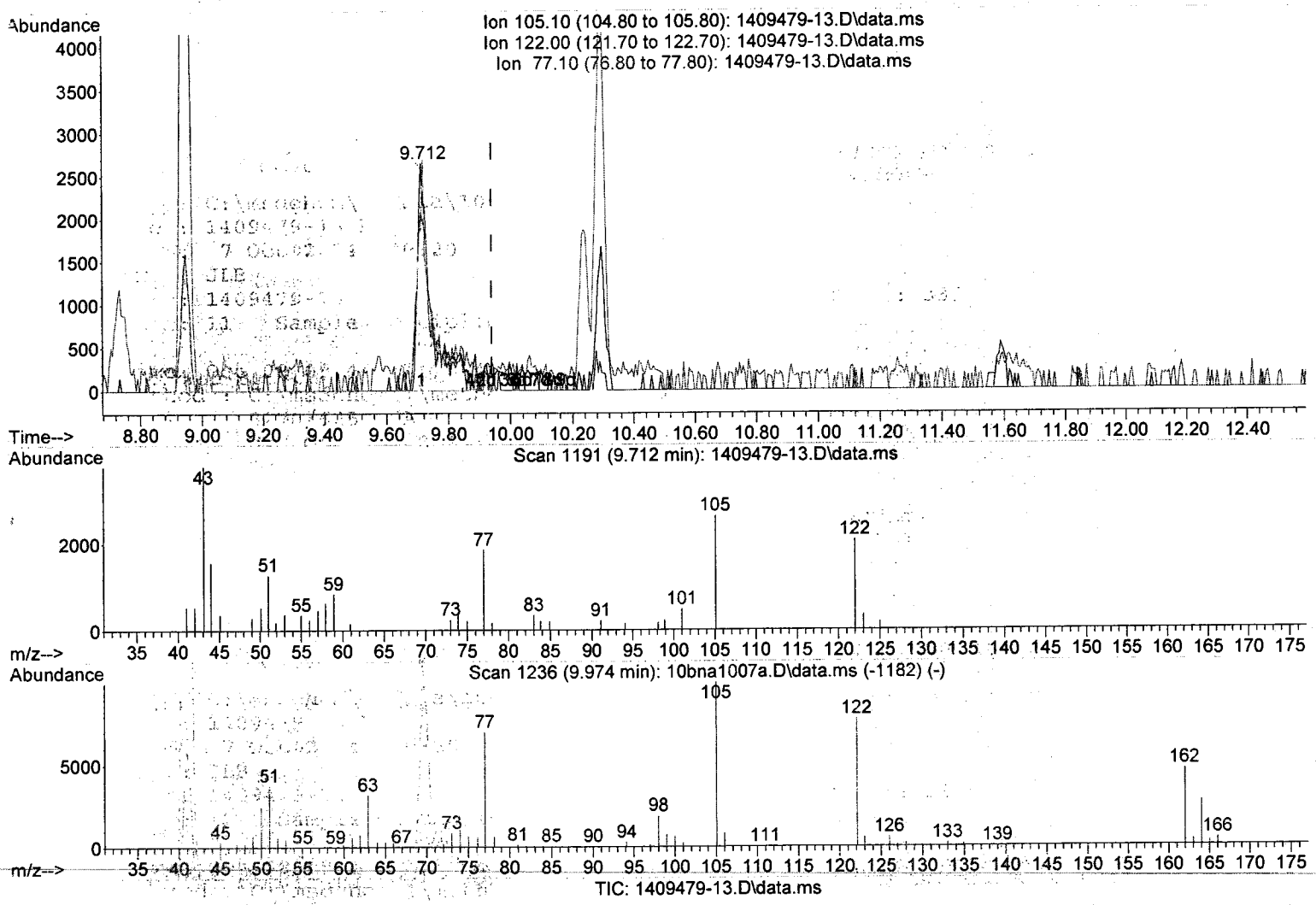
response 23804

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	204.77#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 08:44:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.712min (-0.227) 2.55 ng/uL

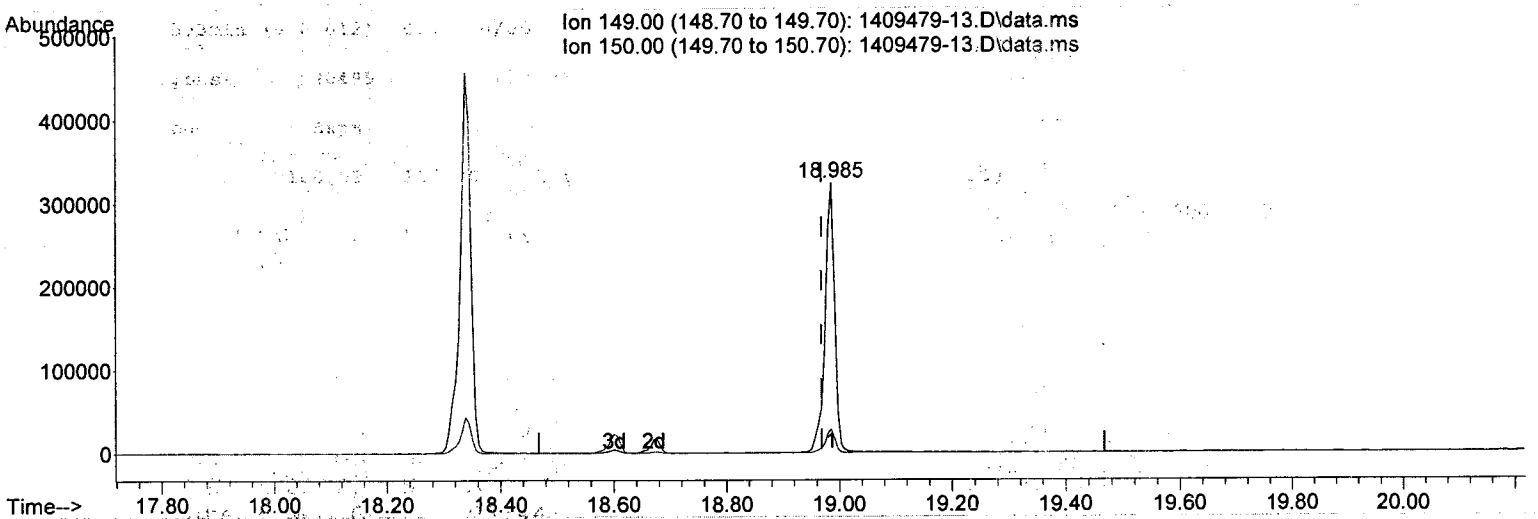
response 8746

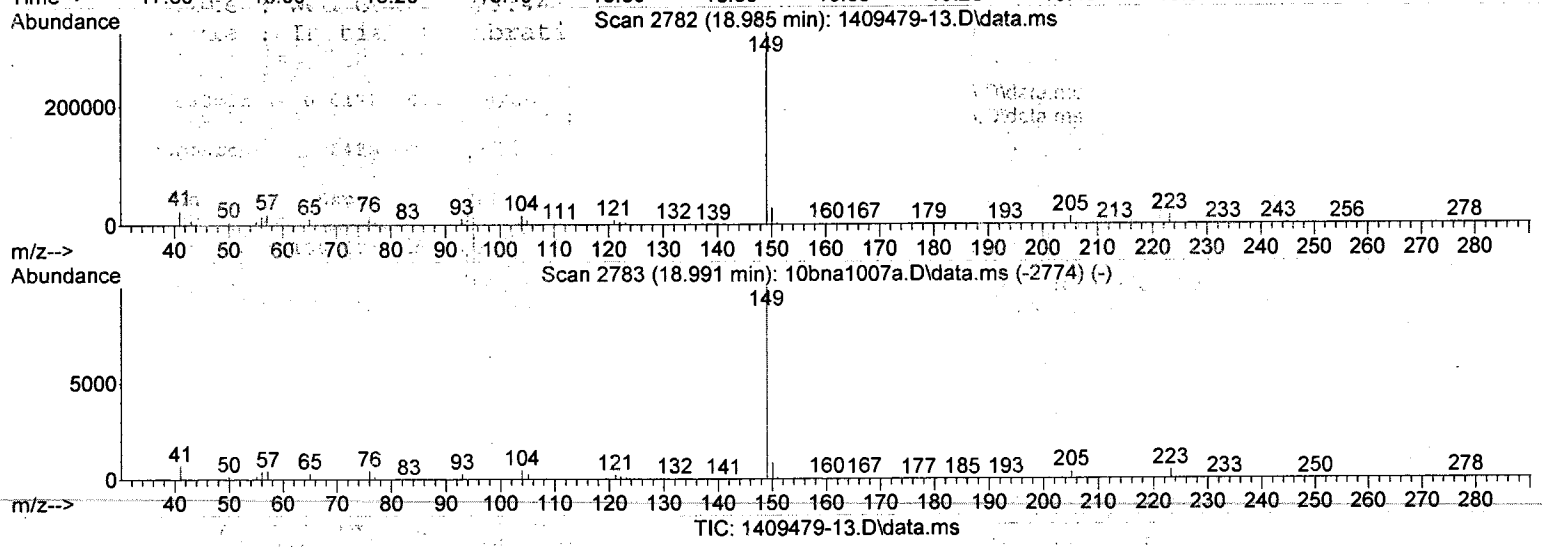
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	80.48
77.10	74.70	78.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 08:44:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration





TIC: 1409479-13.D\data.ms

(79) Di-n-butyl Phthalate

18.985min (+ 0.017) 1.15 ng/uL

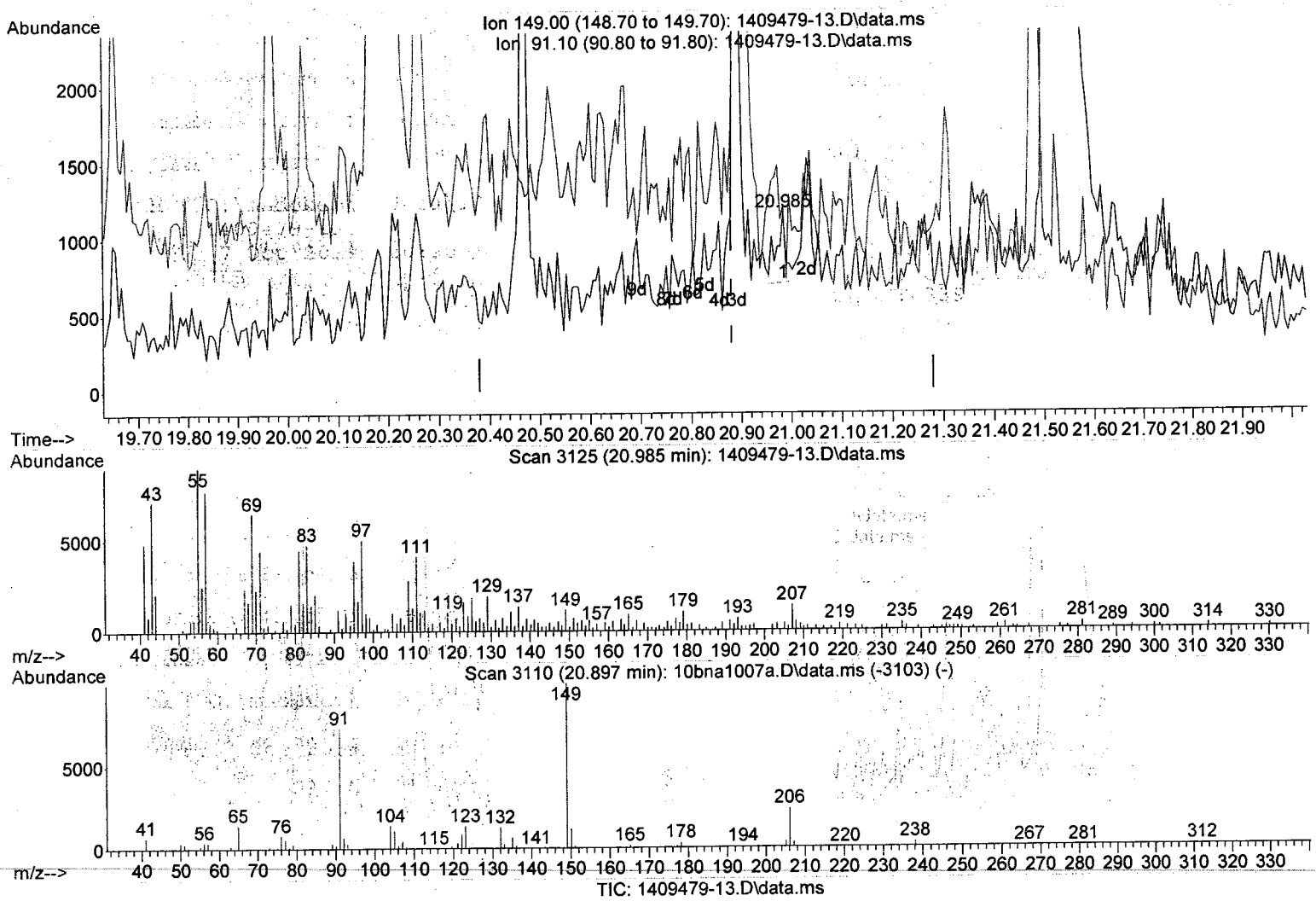
response 378972

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 08:44:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-13.D\data.ms

(83) Butyl Benzyl Phthalate

20.985min (+ 0.105) 0.00 ng/uL

response 606

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	86.96
0.00	0.00	0.00
0.00	0.00	0.00

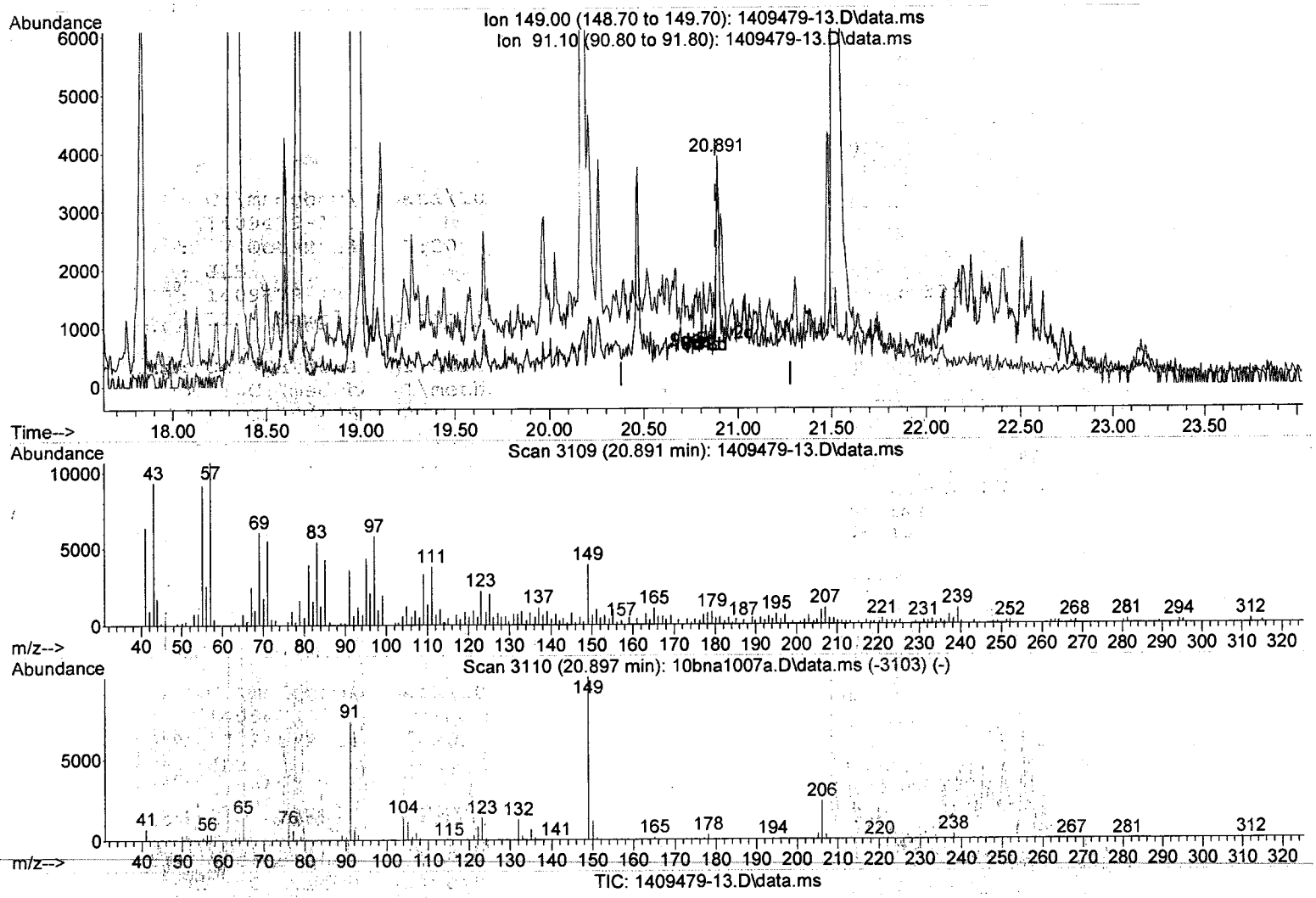
DWS
10-17-14

JLB 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 08:44:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.891min (+ 0.012) 0.03 ng/uL m

response 3973

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	13.26#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

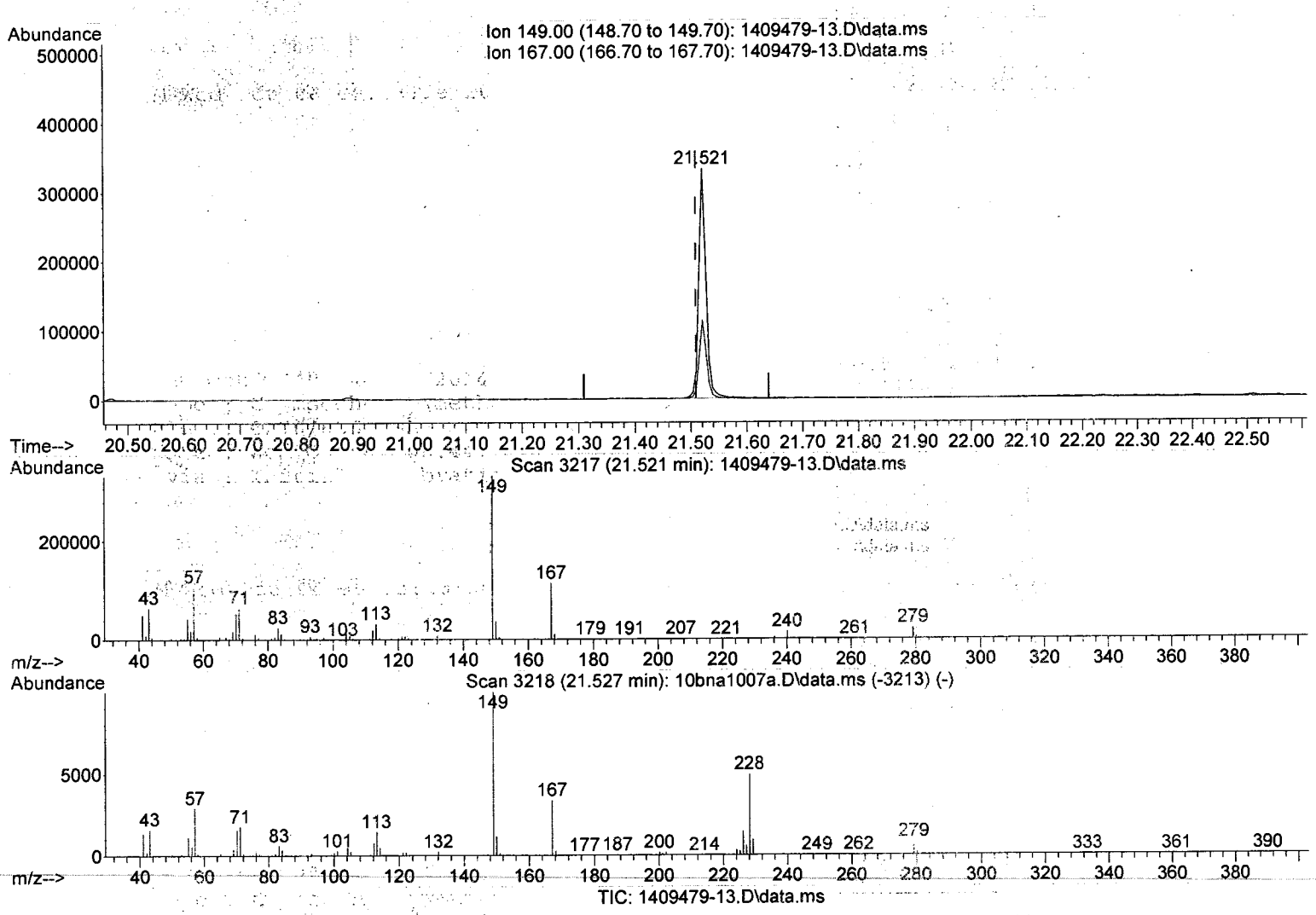
Flagged on Quantitation Report: (Yes) / No
Analyst: JW Date: 10/9/14
Reviewed By: Dur Date: 10-17-14

< MDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 08:44:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-13.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.521min (+ 0.012) 1.69 ng/uL

response 299368

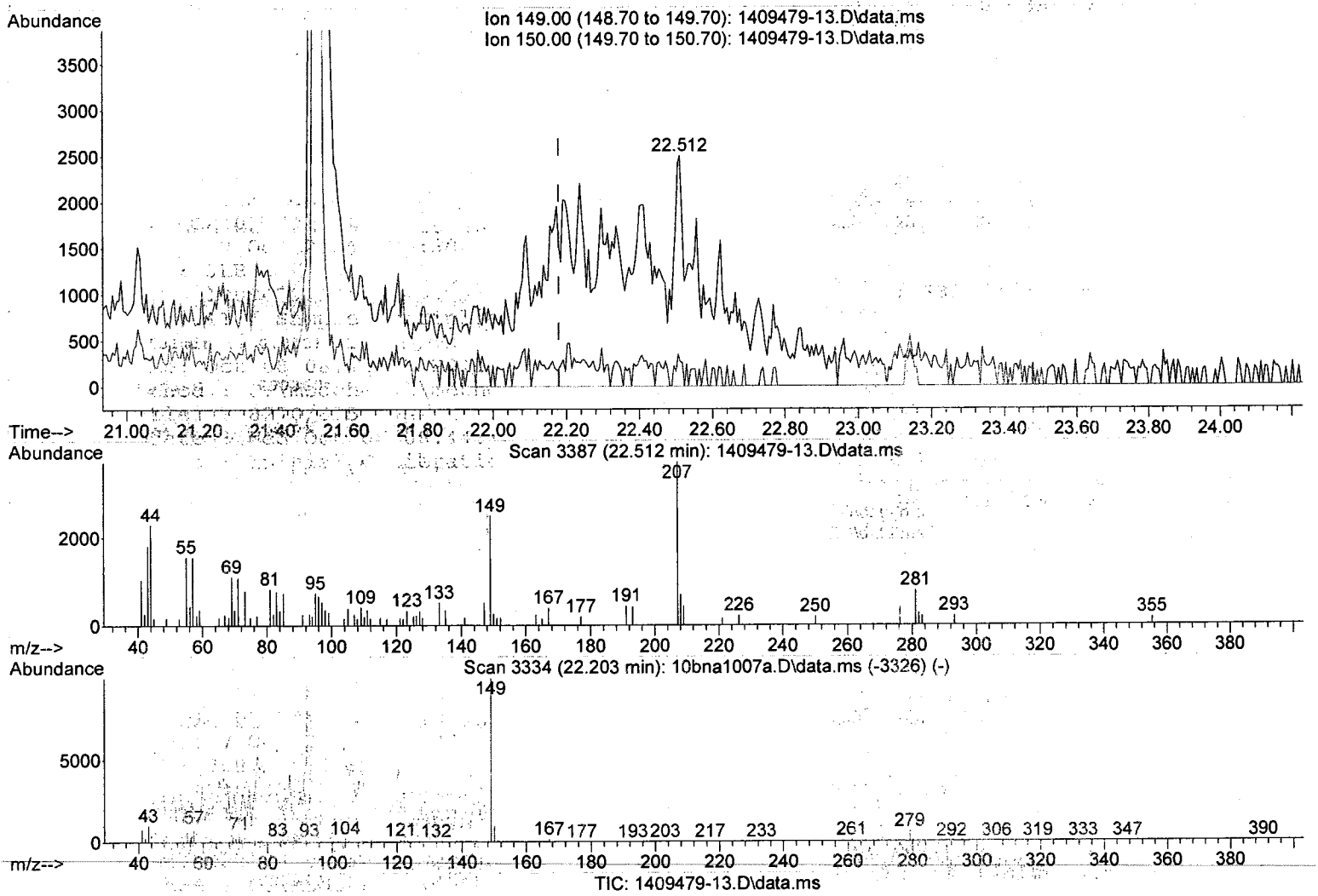
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	35.10#
0.00	0.00	0.00
0.00	0.00	0.00

002863

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-13.D
Acq On : 7 Oct 2014 20:20
Operator : JLB
Sample : 1409479-13 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 08 08:44:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-13.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.512min (+ 0.332) 0.53 ng/uL

response 61784

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.70#
0.00	0.00	0.00
0.00	0.00	0.00

pp rt

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB07-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-14 File ID: 1409479-14 10x.D

Sampled: 09/25/14 14:40 Prepared: 10/01/14 07:29 Analyzed: 10/14/14 18:56

Solids: 95.75 Preparation: 3550C Sonication Extract Initial/Final: 29.2 grams / 1 mL

QC Batch: 1410496 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	170	48	170	170	U
208-96-8	Acenaphthylene	10	170	44	170	170	U
120-12-7	Anthracene	10	170	42	170	170	U
56-55-3	Benzo(a)anthracene	10	50	29	87	170	J
50-32-8	Benzo(a)pyrene	10	43	24	87	170	J
205-99-2	Benzo(b)fluoranthene	10	68	20	87	170	J
207-08-9	Benzo(k)fluoranthene	10	39	20	87	170	J
191-24-2	Benzo(g,h,i)perylene	10	87	20	87	350	U
65-85-0	Benzoic Acid	10	1700	720	1700	3500	U
100-51-6	Benzyl Alcohol	10	170	48	170	170	U
101-55-3	4-Bromophenyl Phenyl Ether	10	170	42	170	170	U
85-68-7	Butyl Benzyl Phthalate	10	170	42	170	350	U
86-74-8	Carbazole	10	170	42	170	1700	U
59-50-7	4-Chloro-3-methylphenol	10	170	52	170	170	U
106-47-8	4-Chloroaniline	10	170	92	170	700	U
111-91-1	Bis(2-chloroethoxy)methane	10	170	42	170	170	U
111-44-4	Bis(2-chloroethyl) Ether	10	170	41	170	170	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	87	38	87	170	U
91-58-7	2-Chloronaphthalene	10	170	51	170	170	U
95-57-8	2-Chlorophenol	10	170	41	170	170	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	170	40	170	170	U
218-01-9	Chrysene	10	50	41	170	170	J
53-70-3	Dibenz(a,h)anthracene	10	87	20	87	350	U
132-64-9	Dibenzofuran	10	170	51	170	170	U
84-74-2	Di-n-butyl Phthalate	10	350	140	350	700	U
106-46-7	1,4-Dichlorobenzene	10	170	50	170	170	U
95-50-1	1,2-Dichlorobenzene	10	170	57	170	170	U
541-73-1	1,3-Dichlorobenzene	10	170	59	170	170	U
91-94-1	3,3′-Dichlorobenzidine	10	7000	2900	7000	8700	U
120-83-2	2,4-Dichlorophenol	10	170	43	170	350	U
84-66-2	Diethyl Phthalate	10	170	51	170	170	U
105-67-9	2,4-Dimethylphenol	10	1400	380	1400	1700	U
131-11-3	Dimethyl Phthalate	10	170	49	170	170	U
534-52-1	4,6-Dinitro-2-methylphenol	10	700	220	700	1700	U
51-28-5	2,4-Dinitrophenol	10	1700	580	1700	1700	U
606-20-2	2,6-Dinitrotoluene	10	87	42	87	170	U
121-14-2	2,4-Dinitrotoluene	10	87	34	87	350	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB07-08

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-14
File ID: 1409479-14 10x.D
Sampled: 09/25/14 14:40
Prepared: 10/01/14 07:29
Analyzed: 10/14/14 18:56
Solids: 95.75
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410496
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	170	40	170	170	U
122-66-7	1,2-Diphenylhydrazine	10	87	35	87	170	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	150	120	170	350	JB
206-44-0	Fluoranthene	10	72	47	170	170	J
86-73-7	Fluorene	10	170	42	170	350	U
118-74-1	Hexachlorobenzene	10	170	50	170	170	U
87-68-3	Hexachlorobutadiene	10	170	48	170	170	U
67-72-1	Hexachloroethane	10	170	52	170	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	87	28	87	350	U
78-59-1	Isophorone	10	170	40	170	170	U
91-57-6	2-Methylnaphthalene	10	170	48	170	170	U
108-39-4	3+4-Methylphenol	10	87	38	87	170	U
95-48-7	2-Methylphenol	10	87	37	87	170	U
91-20-3	Naphthalene	10	170	58	170	170	U
100-01-6	4-Nitroaniline	10	700	260	700	3400	U
88-74-4	2-Nitroaniline	10	87	37	87	170	U
99-09-2	3-Nitroaniline	10	350	170	350	3400	U
98-95-3	Nitrobenzene	10	170	48	170	170	U
88-75-5	2-Nitrophenol	10	170	47	170	170	U
100-02-7	4-Nitrophenol	10	3500	1100	3500	7000	U
62-75-9	N-Nitroso-dimethylamine	10	70	35	70	350	U
86-30-6	N-Nitroso-diphenylamine	10	87	36	87	170	U
621-64-7	N-Nitroso-di-n-propylamine	10	170	42	170	170	U
87-86-5	Pentachlorophenol	10	170	140	170	1700	U
85-01-8	Phenanthrene	10	46	43	170	170	J
108-95-2	Phenol	10	170	41	170	1700	U
129-00-0	Pyrene	10	97	45	170	170	J
120-82-1	1,2,4-Trichlorobenzene	10	170	46	170	170	U
95-95-4	2,4,5-Trichlorophenol	10	170	47	170	170	U
88-06-2	2,4,6-Trichlorophenol	10	87	26	87	170	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	715	558	78	33 - 113	D
Phenol-d6	715	576	80	30 - 115	D
Nitrobenzene-d5	358	250	70	33 - 131	D
2-Fluorobiphenyl	358	293	82	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB07-08

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-14
File ID: 1409479-14 10x.D
Sampled: 09/25/14 14:40
Prepared: 10/01/14 07:29
Analyzed: 10/14/14 18:56
Solids: 95.75
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410496
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	715	365	51	12 - 124	D
o-Terphenyl	358	315	88	20 - 155	D

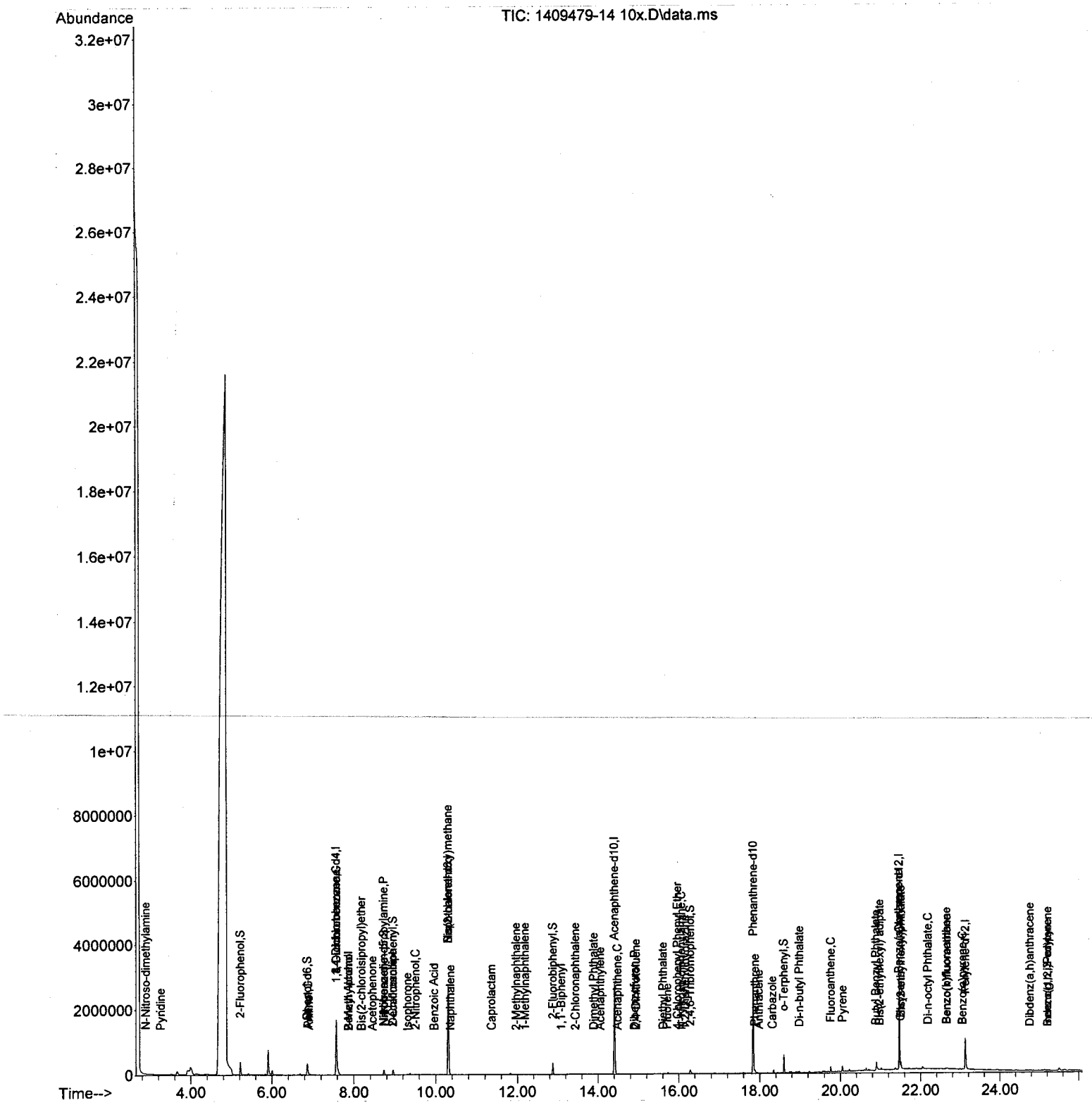
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	505671	7.574	403279	7.614	
Naphthalene-d8	1976185	10.307	1529030	10.359	
Acenaphthene-d10	1105456	14.411	866604	14.474	
Phenanthrene-d10	1670968	17.844	1400442	17.901	
Chrysene-d12	1140251	21.469	1153654	21.538	
Perylene-d12	547224	23.125	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.574	152	505671	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.307	136	1976185	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.411	164	1105456	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.844	188	1670968	5.00	ng/uL		0.00
81) Chrysene-d12	21.469	240	1140251	5.00	ng/uL	#	0.00
89) Perylene-d12	23.125	264	547224	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.219	112	180519	1.56	ng/uL		0.07
6) Phenol-d6	6.863	99	240544	1.61	ng/uL		-0.01
21) Nitrobenzene-d5	8.728	82	89001	0.70	ng/uL		-0.02
23) Decafluorobiphenyl	8.955	334	62039	0.70	ng/uL		-0.01
47) 2-Fluorobiphenyl	12.878	172	187952	0.82	ng/uL		-0.01
70) 2,4,6-Tribromophenol	16.288	330	25751	1.02	ng/uL		-0.01
78) o-Terphenyl	18.602	230	126739	0.88	ng/uL		-0.01
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.888	74	392	0.01	ng/uL	#	1
3) Pyridine	3.255	79	121	0.00	ng/uL	#	14
5) Aniline	6.904	93	220	0.22	ng/uL	#	1
7) Phenol	6.886	94	11289	0.07	ng/uL	#	30
8) Bis(2-chloroethyl)ether	0.000		0	N.D.			
9) 2-Chlorophenol	0.000		0	N.D.			
10) 1,3-Dichlorobenzene	7.580	146	110	0.00	ng/uL	#	1
11) 1,4-Dichlorobenzene	7.580	146	110	0.00	ng/uL	#	1
12) 1,2-Dichlorobenzene	0.000		0	N.D.			
13) Bis(2-chloroisipropyl)...	8.192	45	304	0.00	ng/uL	#	51
14) Benzyl Alcohol	7.877	108	603	0.01	ng/uL		97
15) 2-Methylphenol	7.877	108	603	0.00	ng/uL	#	44
16) Acetophenone	8.454	105	171	0.00	ng/uL	#	64
17) Hexachloroethane	0.000		0	N.D.			
18) 4-Methylphenol	0.000		0	N.D.			
19) N-Nitroso-di-n-propyla...	8.728	70	11475	~~0.13~~	ng/uL	#	8
22) Nitrobenzene	8.734	77	258	0.00	ng/uL	#	1
24) Isophorone	9.317	82	90	0.00	ng/uL	#	58
25) 2-Chloroaniline	8.949	127	670	0.00	ng/uL	#	53
26) 2-Nitrophenol	9.509	139	218	0.00	ng/uL	#	1
27) 2,4-Dimethylphenol	0.000		0	N.D.			
28) Bis(2-chlorethoxy)methane	10.307	93	1041	0.01	ng/uL	#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.			
30) Benzoic Acid	9.964	105	135	~~2.46~~	ng/uL	#	11
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
32) Naphthalene	10.360	128	1515	0.00	ng/uL	#	1
33) 4-Chloroaniline	0.000		0	N.D.			
34) 2,6-Dichlorophenol	0.000		0	N.D.			
35) Hexachlorobutadiene	0.000		0	N.D.			
36) Caprolactam	11.362	55	1338	0.02	ng/uL	#	21
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.			
38) 4-Chloro-3-methylphenol	0.000		0	N.D.			
39) 2-Methylnaphthalene	11.969	142	1275	0.01	ng/uL		94
40) 1-Methylnaphthalene	12.190	142	1367	0.01	ng/uL	#	95
41) 1,3 Dinitrobenzene	0.000		0	N.D.			

002869

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.443	162	73	0.00 ng/uL#	35
49) 1,1'-Biphenyl	13.088	154	425	0.00 ng/uL#	55
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.061	152	380	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.898	163	1746	0.01 ng/uL#	67
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.481	153	1643	0.01 ng/uL	97
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.906	168	852	0.00 ng/uL#	85
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	14.935	165	59	0.00 ng/uL#	17
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.716	166	2797	0.01 ng/uL#	78
63) Diethyl Phthalate	15.606	149	2200	0.01 ng/uL	94
64) 4-Chlorophenyl Phenyl ...	15.973	204	54	0.00 ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.066	169	1194	0.01 ng/uL#	34
69) 1,2-Diphenylhydrazine	16.165	182	191	0.00 ng/uL#	1
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	0.000		0	N.D.	
75) Phenanthrene	17.885	178	43080	0.13 ng/uL	98
76) Anthracene	17.978	178	4692	0.02 ng/uL	98
77) Carbazole	18.310	167	1497	0.01 ng/uL#	79
79) Di-n-butyl Phthalate	18.986	149	27683	0.09 ng/uL	98
80) Fluoroanthene	19.762	202	61017	0.20 ng/uL	97
82) Pyrene	20.053	202	72580	0.27 ng/uL#	90
83) Butyl Benzyl Phthalate	20.886	149	6674	0.06 ng/uL	94
84) Bis(2-ethylhexyl) adipate	20.986	129	830	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.463	228	29252	0.14 ng/uL#	75
86) Chrysene	21.498	228	27609	0.14 ng/uL#	49
87) Bis(2-ethylhexyl)phtha...	21.510	149	56916	0.42 ng/uL	92
88) Di-n-octyl Phthalate	22.180	149	2837m	pp 0.35 ng/uL	
90) Benzo(b)fluoroanthene	22.647	252	19298m	0.19 ng/uL	
91) Benzo(k)fluoranthene	22.658	252	12738m	0.11 ng/uL	
92) Benzo(a)pyrene	23.055	252	11038	0.12 ng/uL#	79
93) Indeno(1,2,3-cd)pyrene	25.211	276	3600	0.04 ng/uL#	69
94) Dibdenz(a,h)anthracene	24.762	278	981	0.01 ng/uL#	1
95) Benzo(g,h,i)Perylene	25.211	276	3600	0.05 ng/uL#	64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 07:51:33 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration

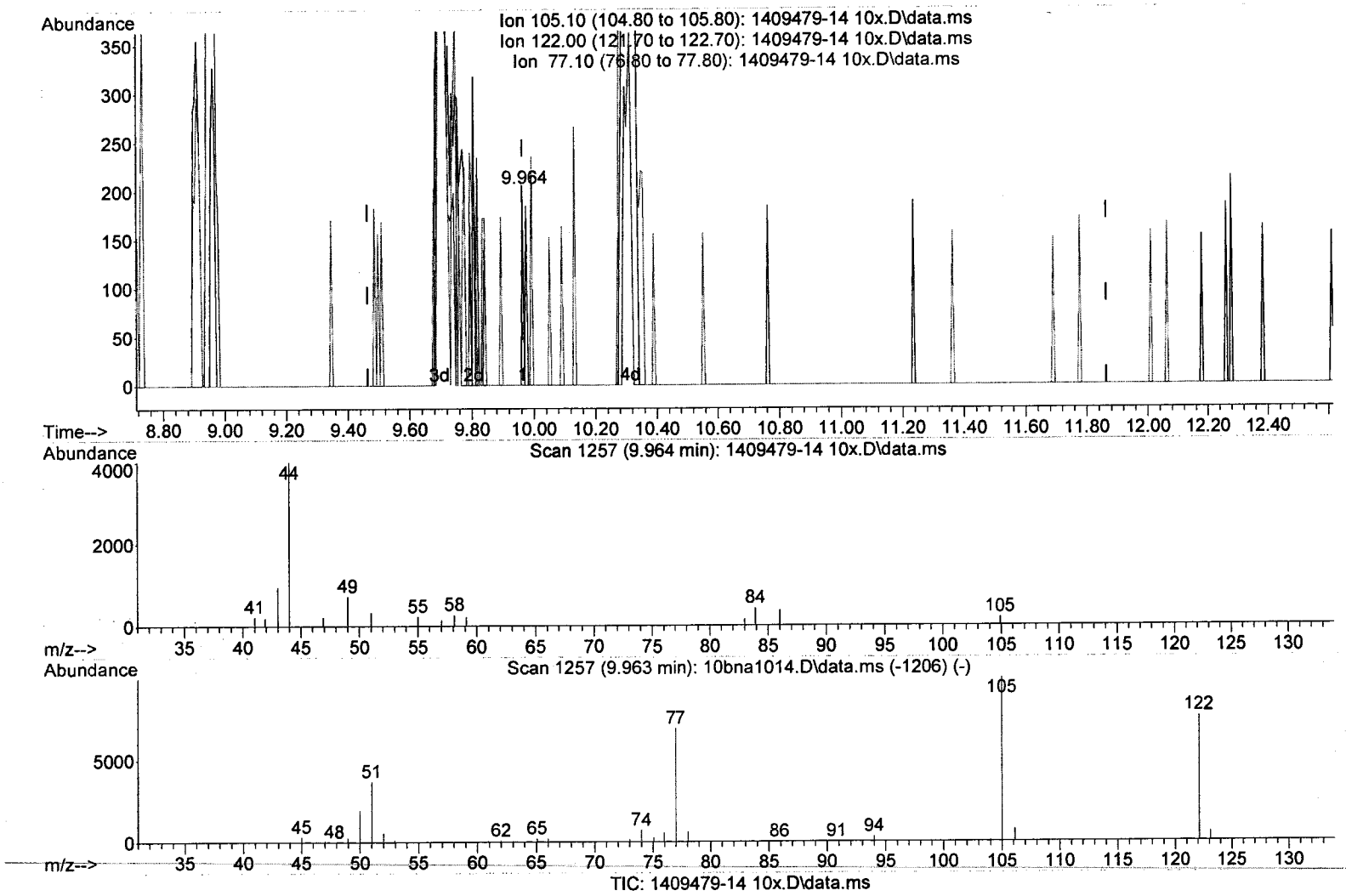
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.574	152	498831	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.307	136	1976185	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.411	164	1104278	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.844	188	1672052	5.00	ng/uL	0.00
19) Chrysene-d12	21.469	240	1140251	5.00	ng/uL	# 0.00
22) Perylene-d12	23.125	264	547224	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.888	74	392	0.00	ng/uL#	1
3) Pyridine	3.255	79	121	0.00	ng/uL#	14
4) Aniline	6.904	93	220	0.00	ng/uL#	1
5) Benzaldehyde	6.735	105	1011	0.01	ng/uL#	1
6) Acetophenone	8.419	105	484	0.00	ng/uL#	29
7) N-Nitroso-di-n-propyla...	8.728	70	11475	0.12	ng/uL#	8
9) 4-Chloroaniline	0.000		0	N.D.		
10) Caprolactam	11.287	55	1118	0.11	ng/uL#	34
12) 1,1'-Biphenyl	13.088	154	425	0.00	ng/uL#	55
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	16.066	169	1194	0.01	ng/uL#	34
18) Atrazine	0.000		0	N.D.		
20) Benzidine	19.995	184	172	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.434	252	602	0.01	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-14 10x.D\data.ms

(30) Benzoic Acid

9.964min (+ 0.000) 2.46 ng/uL

response 135

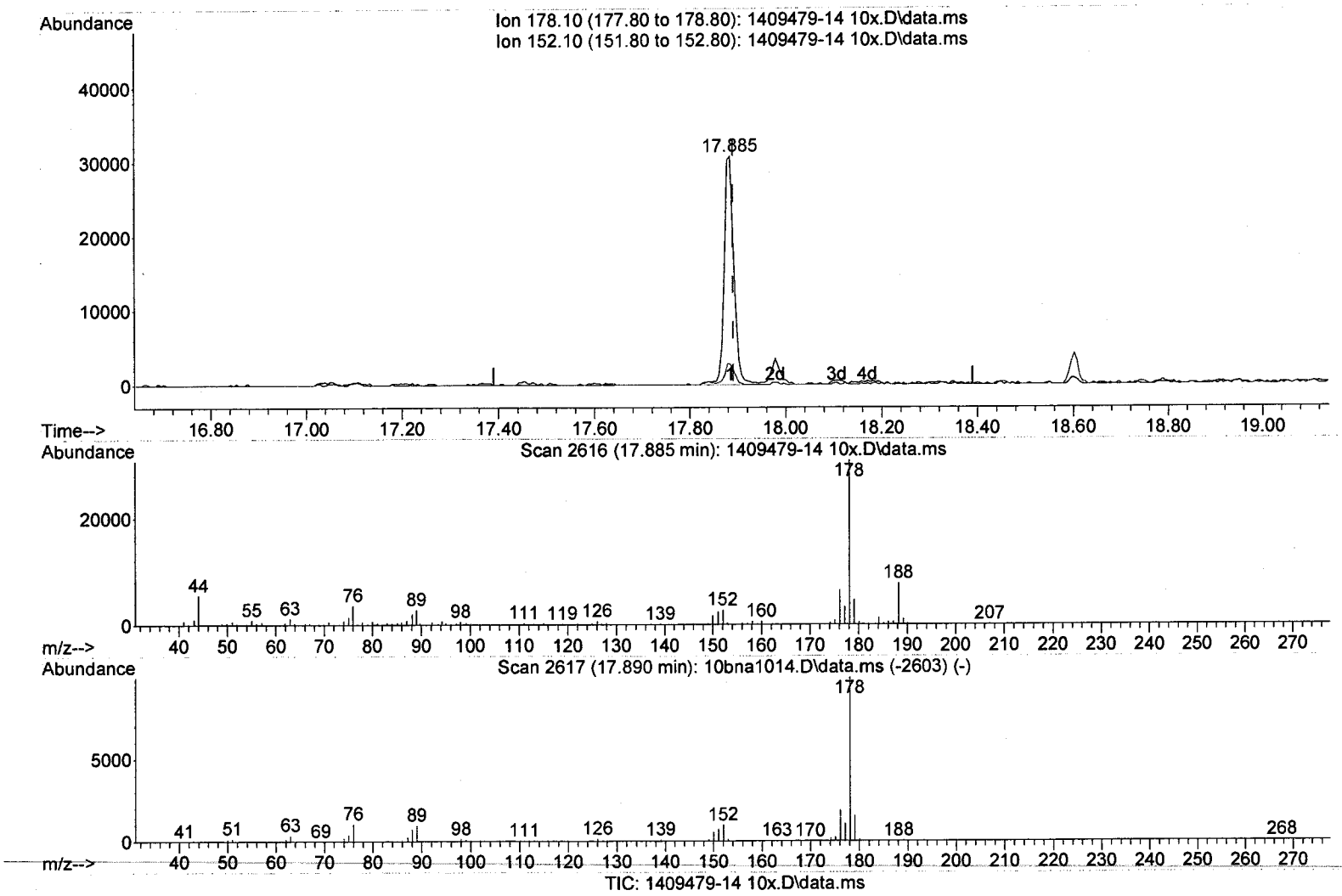
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

pf

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-14 10x.D\data.ms

(75) Phenanthrene

17.885min (-0.006) 0.13 ng/uL

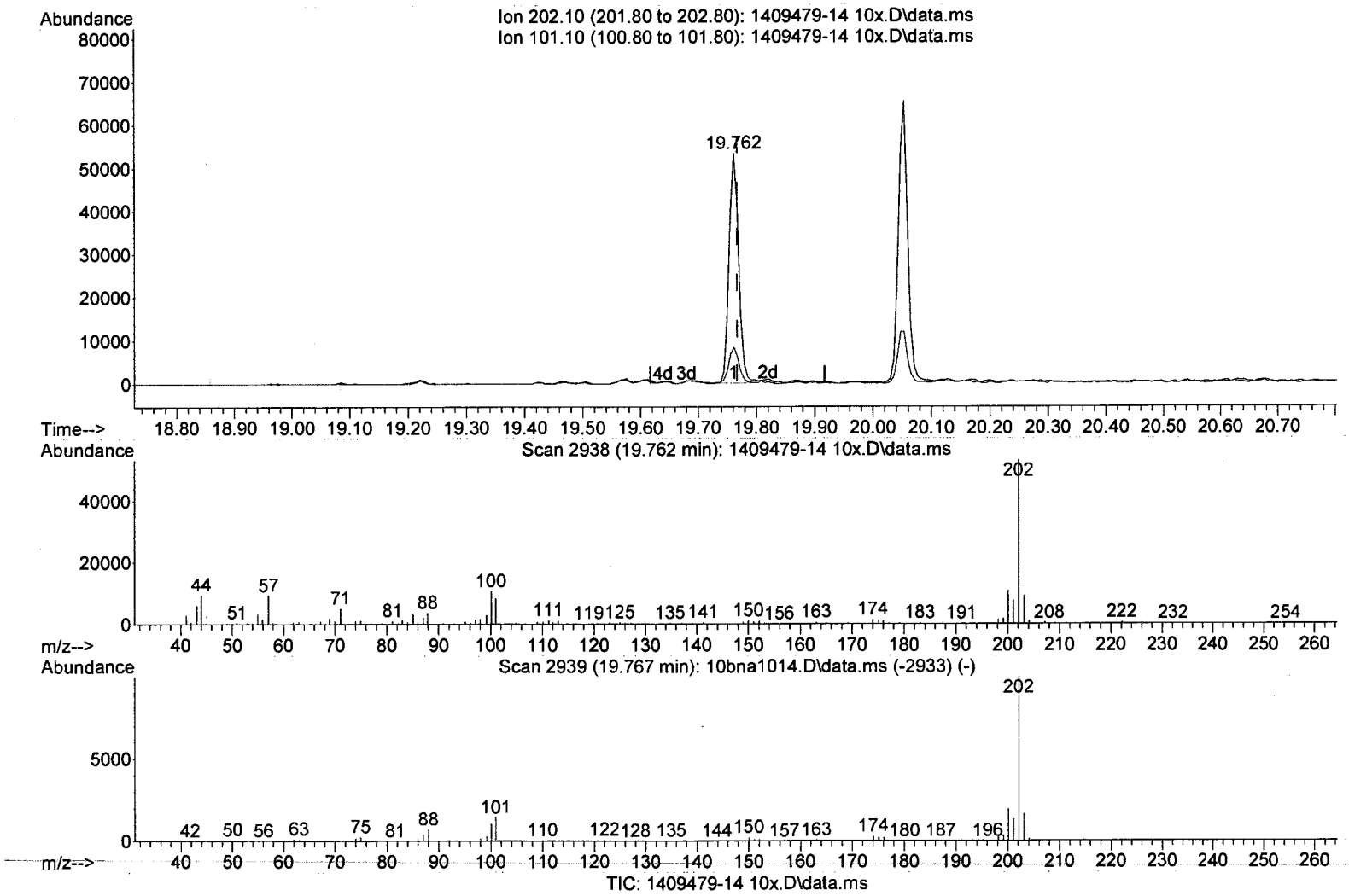
response 43080

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	9.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-14 10x.D\data.ms

(80) Fluoroanthene (C)

19.762min (-0.006) 0.20 ng/uL

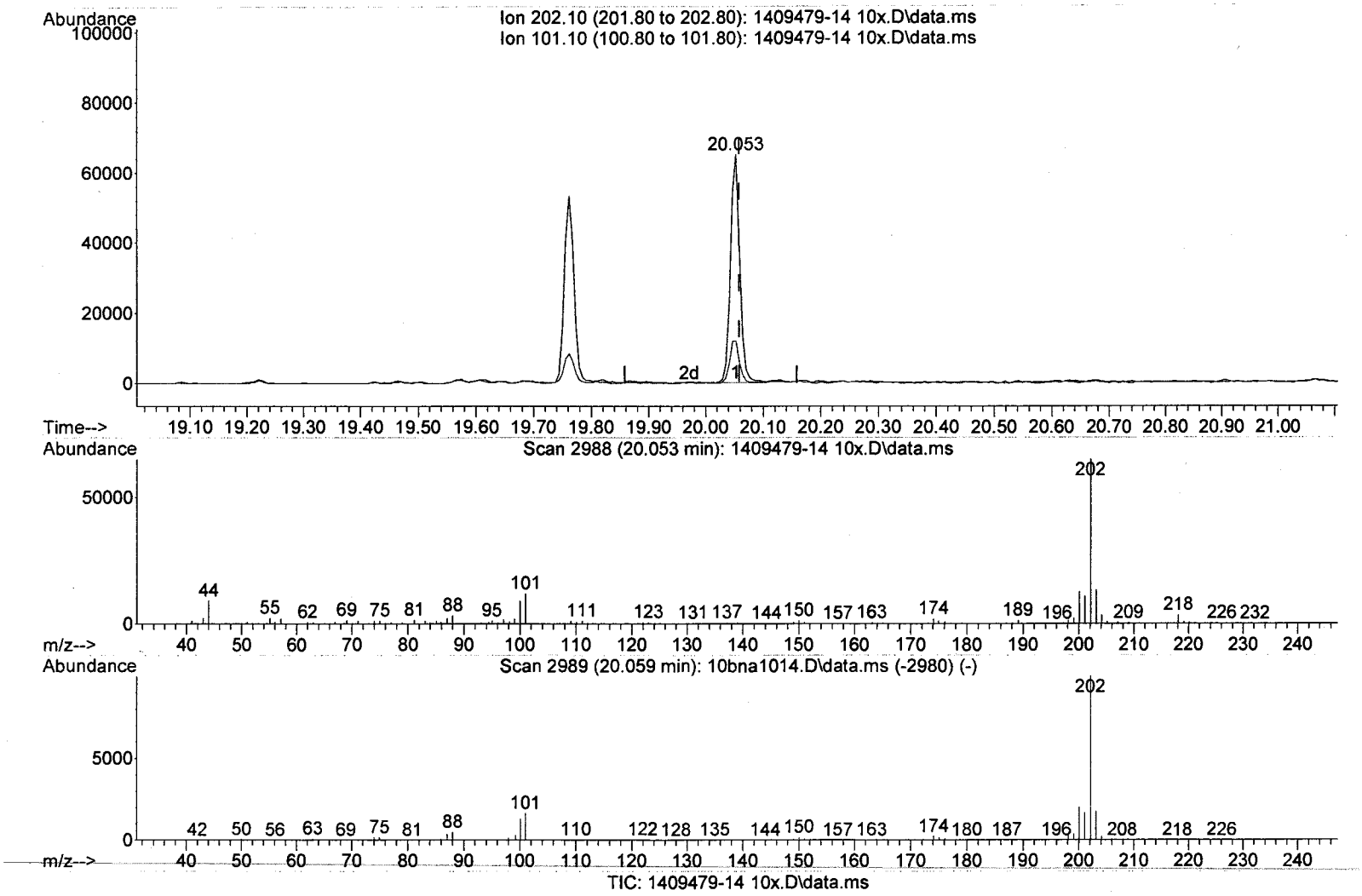
response 61017

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	17.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-14 10x.D\data.ms

(82) Pyrene

20.053min (-0.006) 0.27 ng/uL

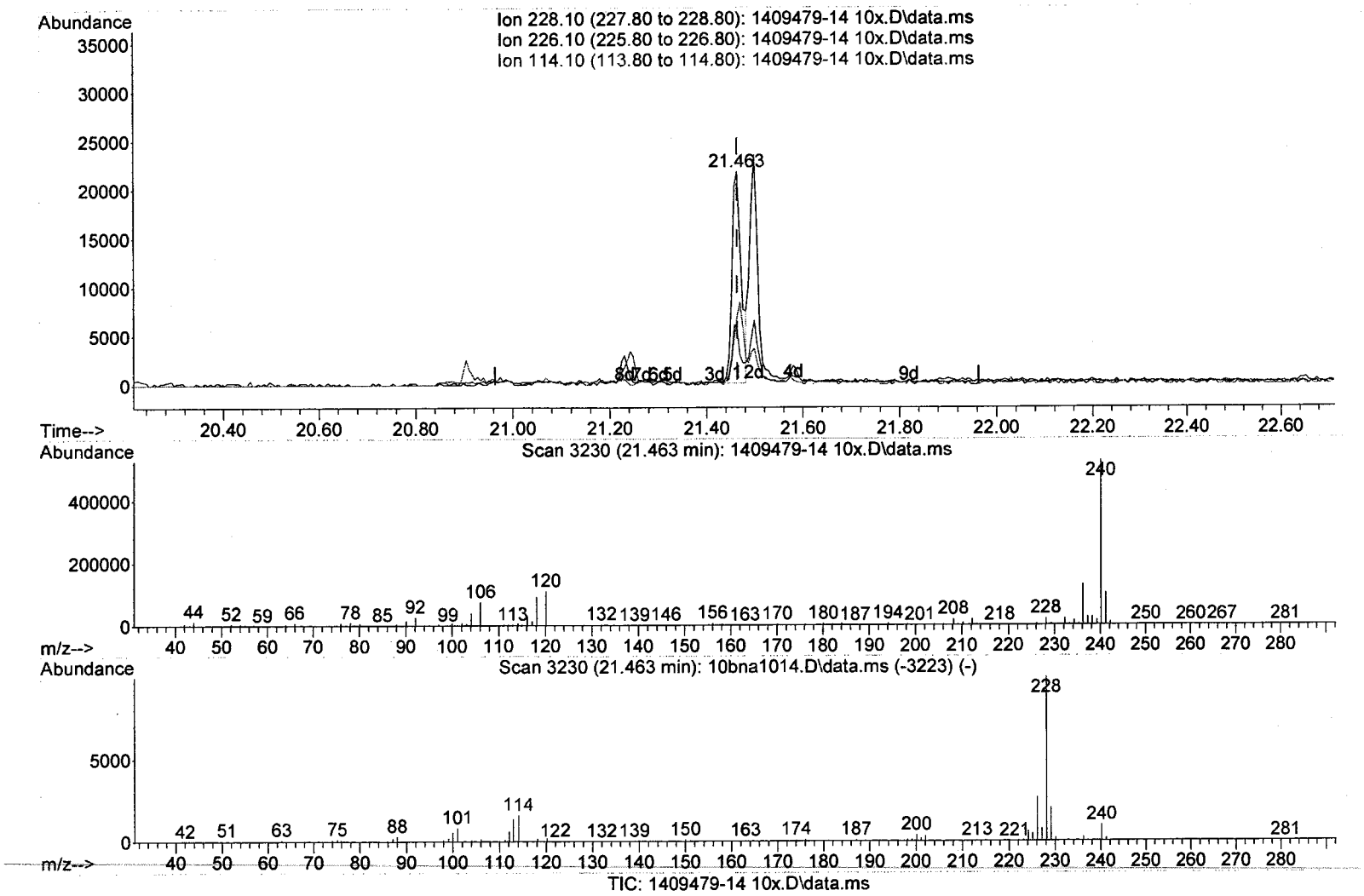
response 72580

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	20.10#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(85) Benzo(a)anthracene

21.463min (+ 0.000) 0.14 ng/uL

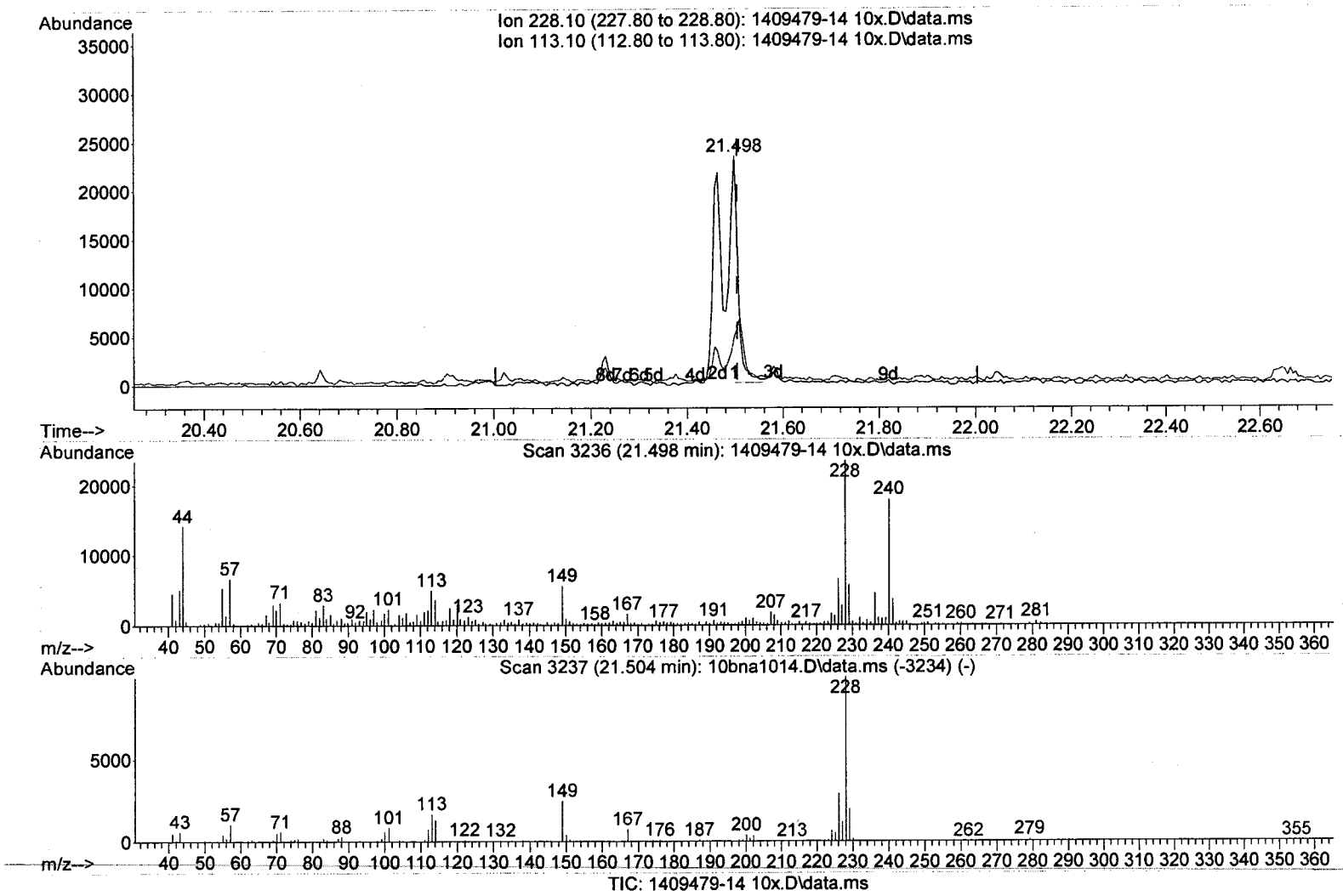
response 29252

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	24.50
114.10	13.30	40.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-14 10x.D\data.ms

(86) Chrysene

21.498min (-0.006) 0.14 ng/uL

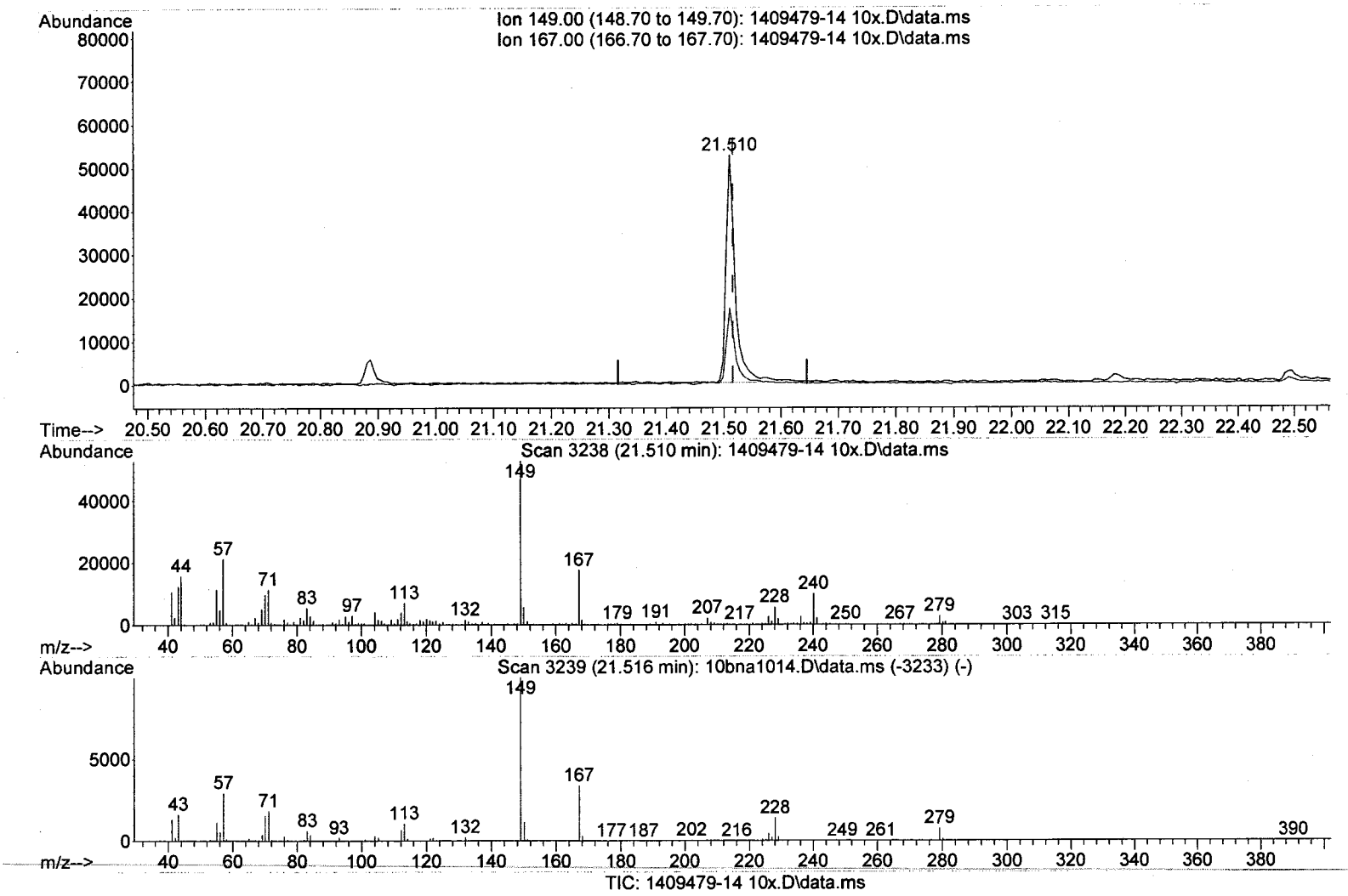
response 27609

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	37.47#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-14 10x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.510min (-0.006) 0.42 ng/uL

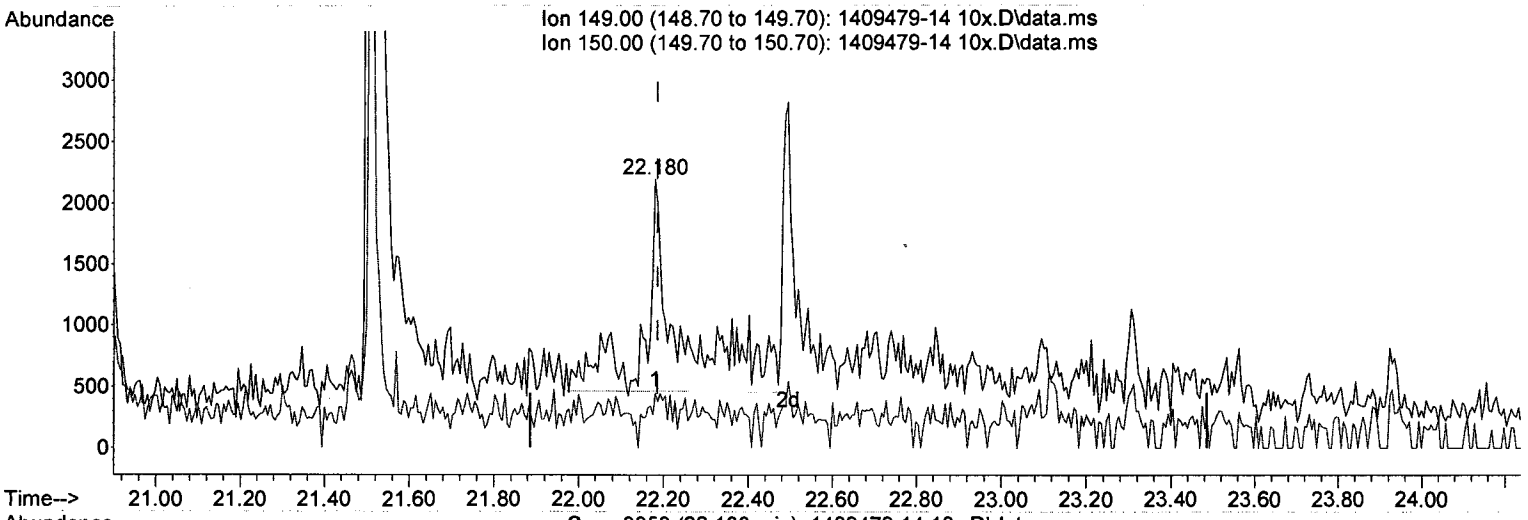
response 56916

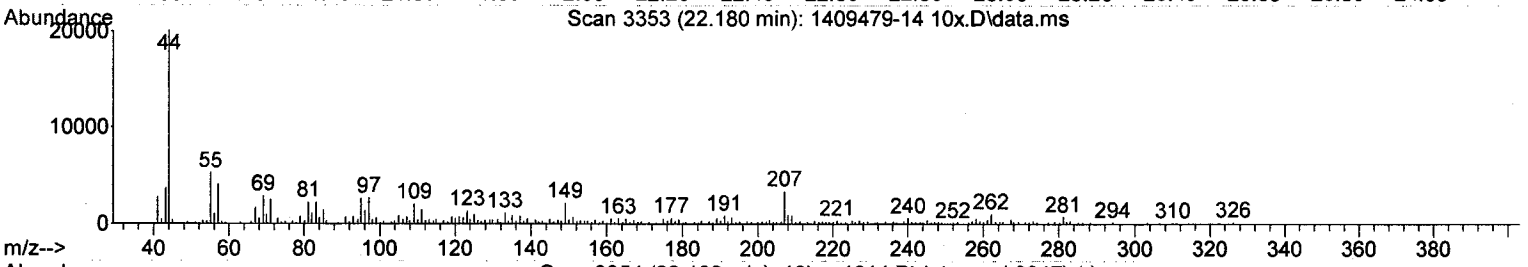
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.57
0.00	0.00	0.00
0.00	0.00	0.00

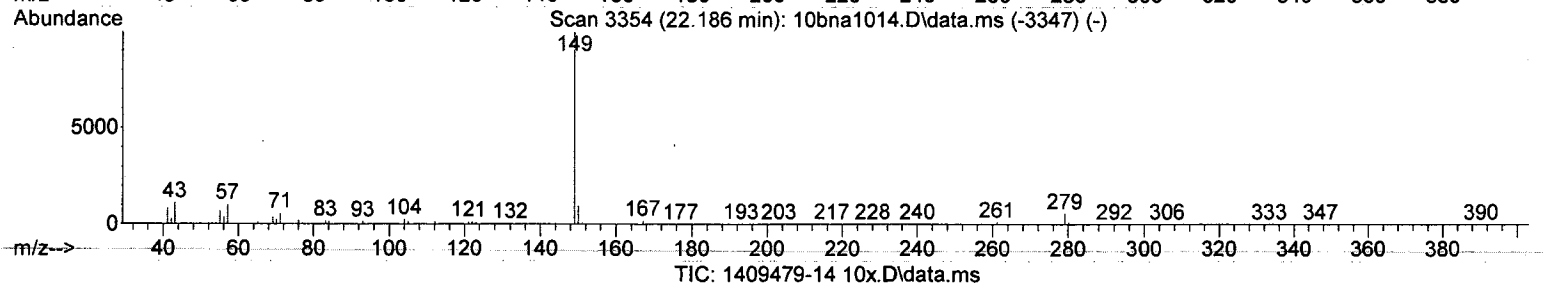
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1409479-14 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.180min (-0.006) 0.38 ng/uL

response 11102

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	12.69#
0.00	0.00	0.00
0.00	0.00	0.00

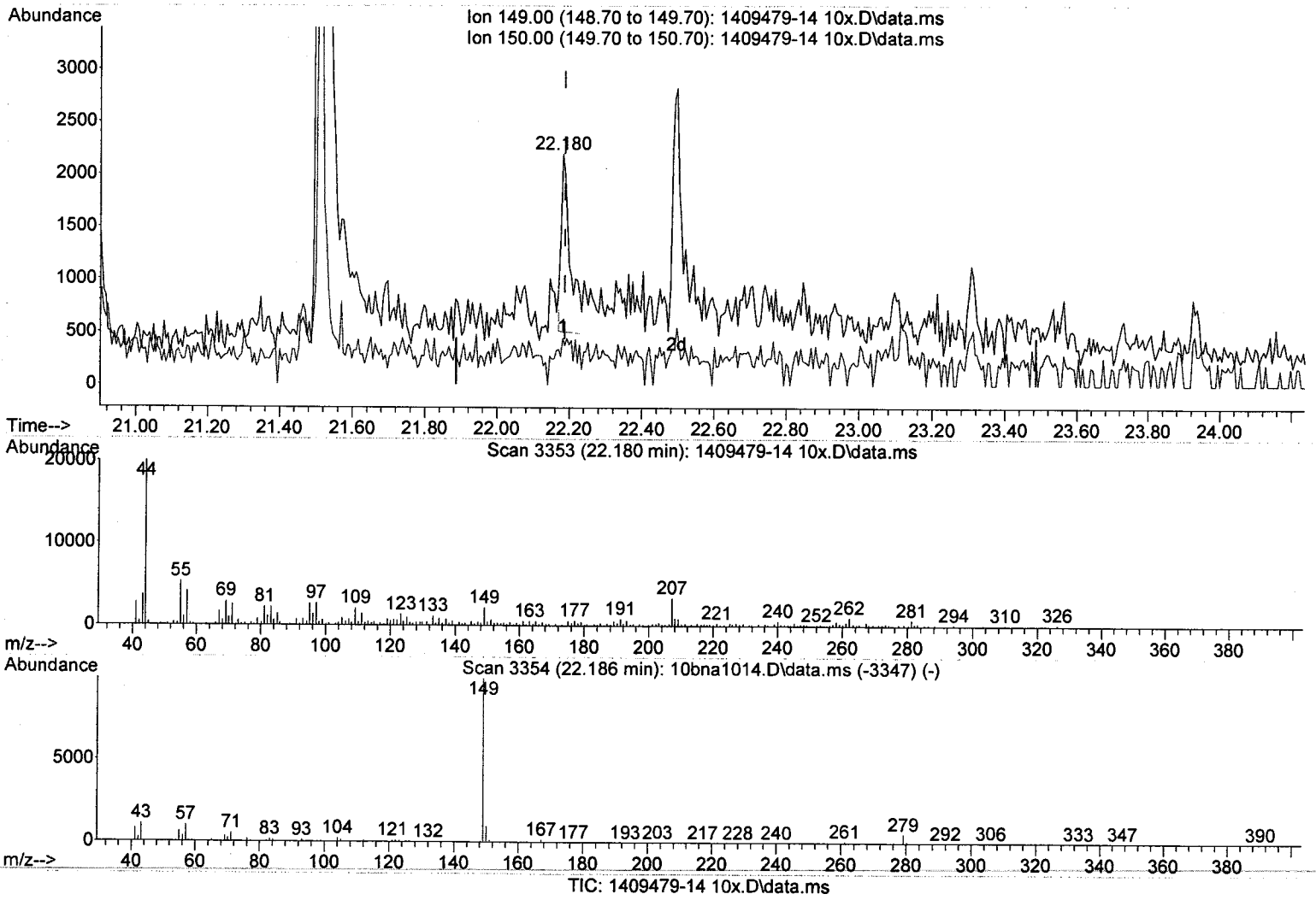
JLB 10/15/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-14 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.180min (-0.006) 0.35 ng/uL m

response 2837

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	49.67#
0.00	0.00	0.00
0.00	0.00	0.00

PP

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

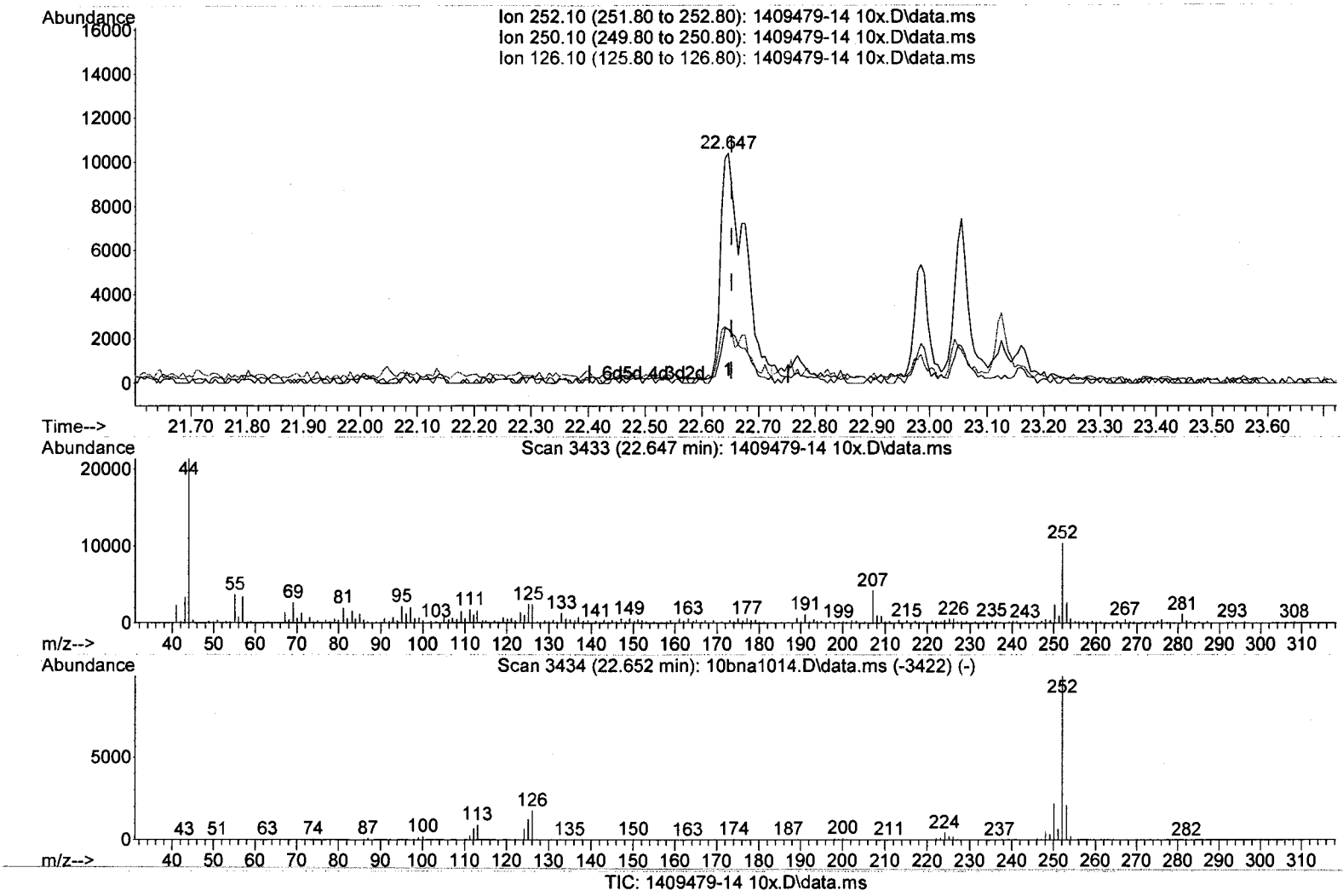
Analyst: JLB Date: 10/15/14

Reviewed By: DMF Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-14 10x.D\data.ms

(90) Benzo(b)fluoroanthene

22.647min (-0.006) 0.30 ng/uL

response 29391

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	25.86
126.10	17.20	17.15
0.00	0.00	0.00

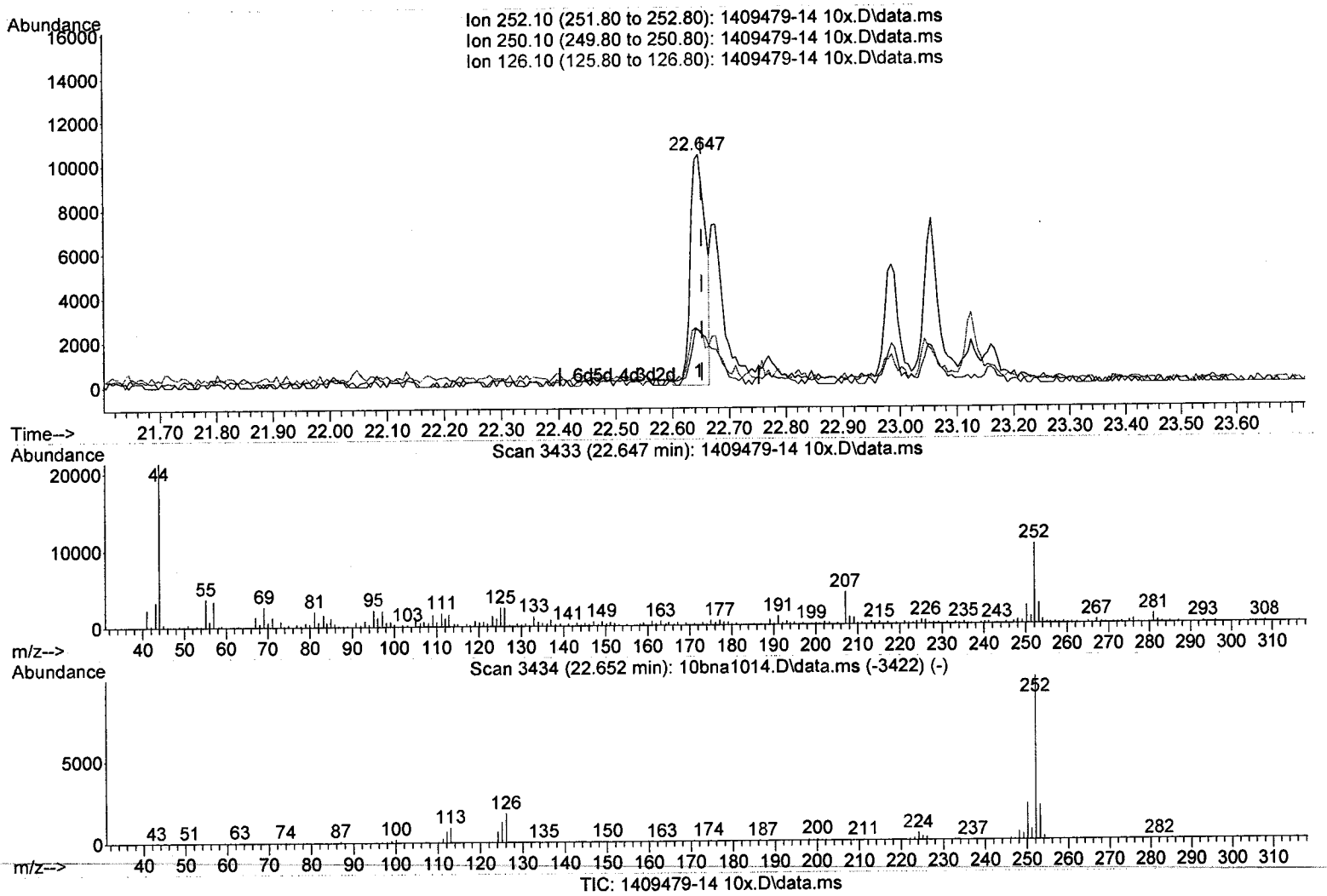
JWB 10/15/14

DWT 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x
Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.647min (-0.006) 0.19 ng/uL m

response 19298

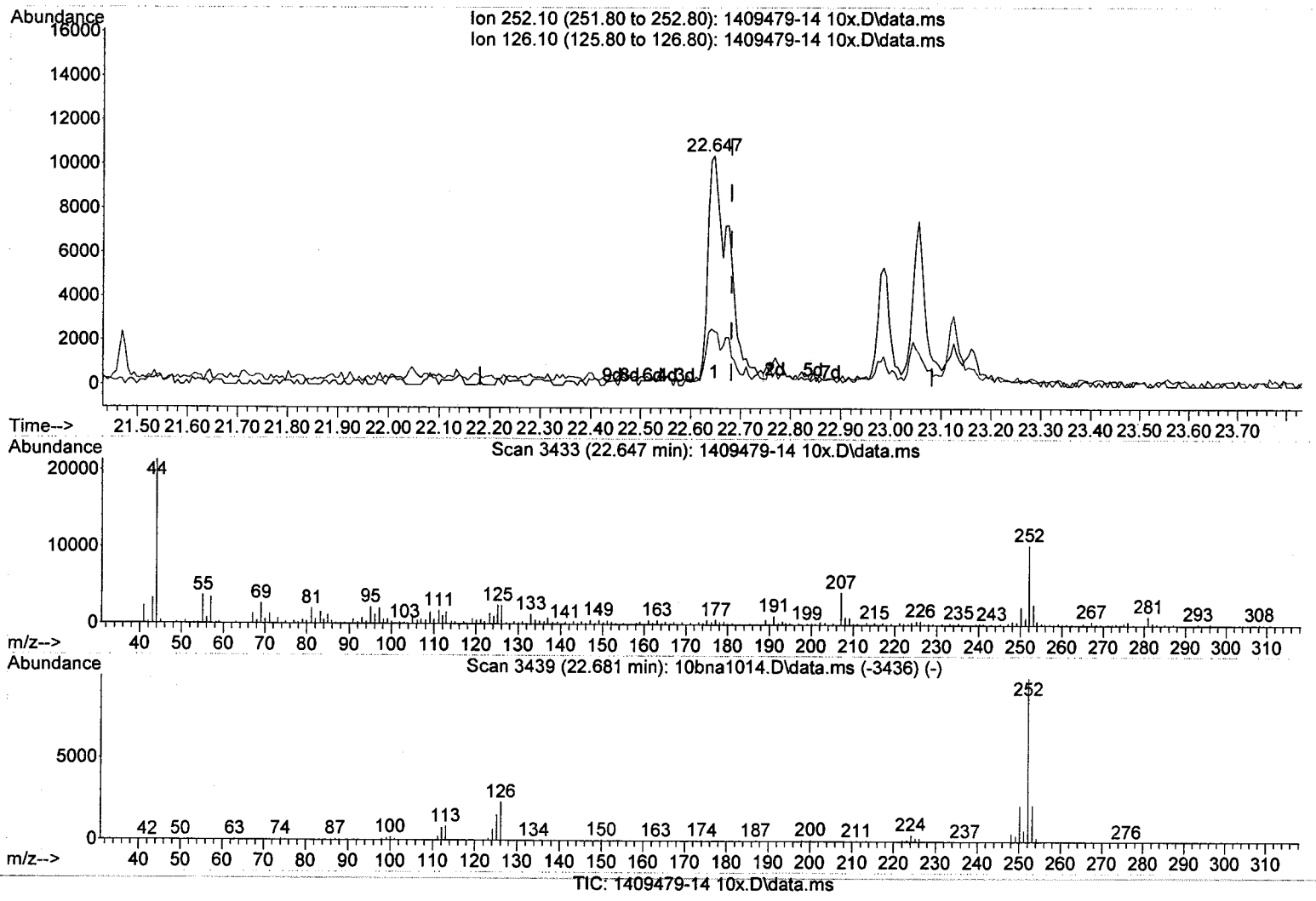
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	39.38#
126.10	17.20	26.12#
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: (Yes) No
Analyst: JLB Date: 10/15/14
Reviewed By: DWS Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-14 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.647min (-0.035) 0.27 ng/uL

response 30092

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	16.75
0.00	0.00	0.00
0.00	0.00	0.00

DWS 10/17/14

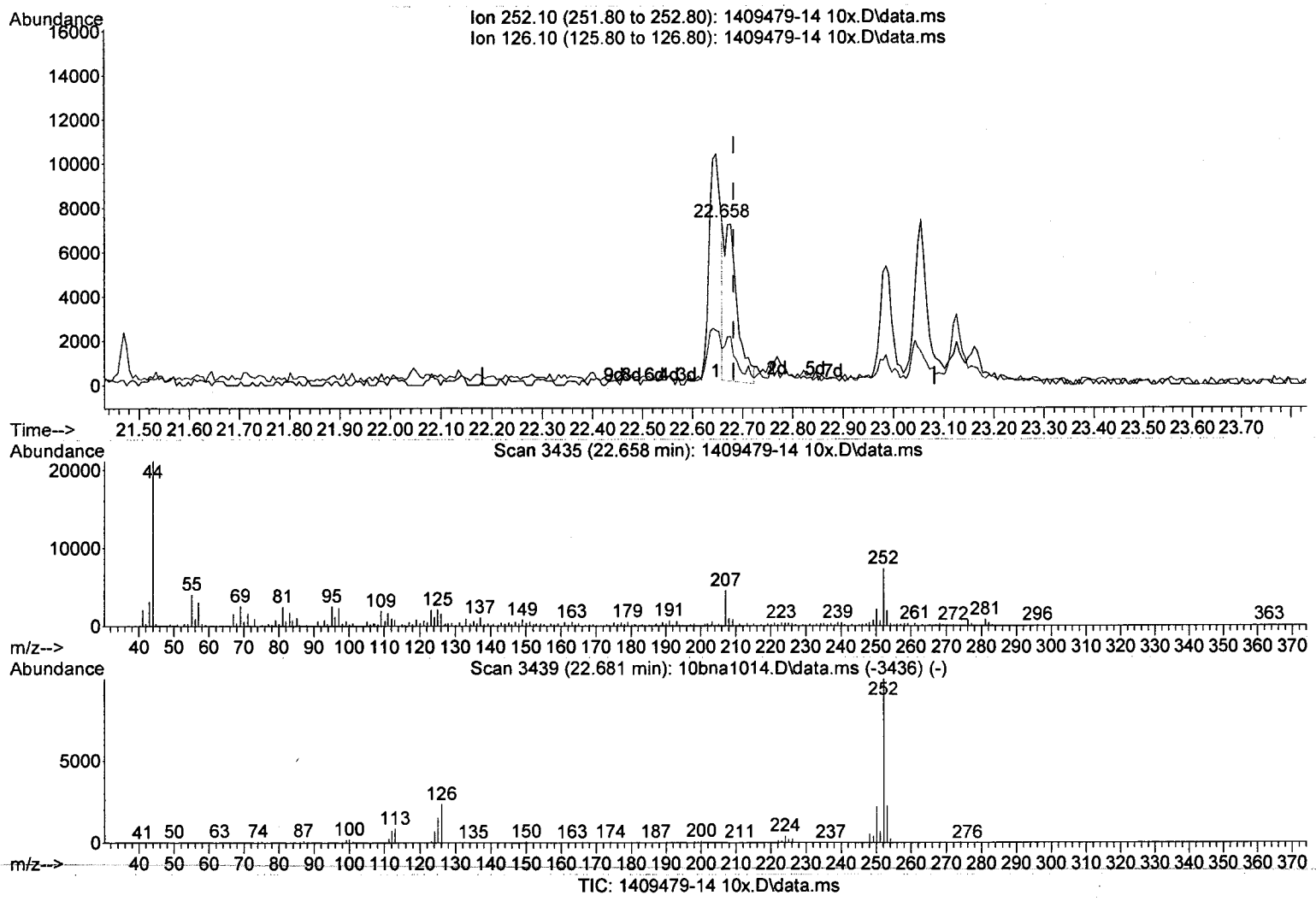
JWB 10/15/14

002383

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-14 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.658min (-0.023) 0.11 ng/uL m

response 12738

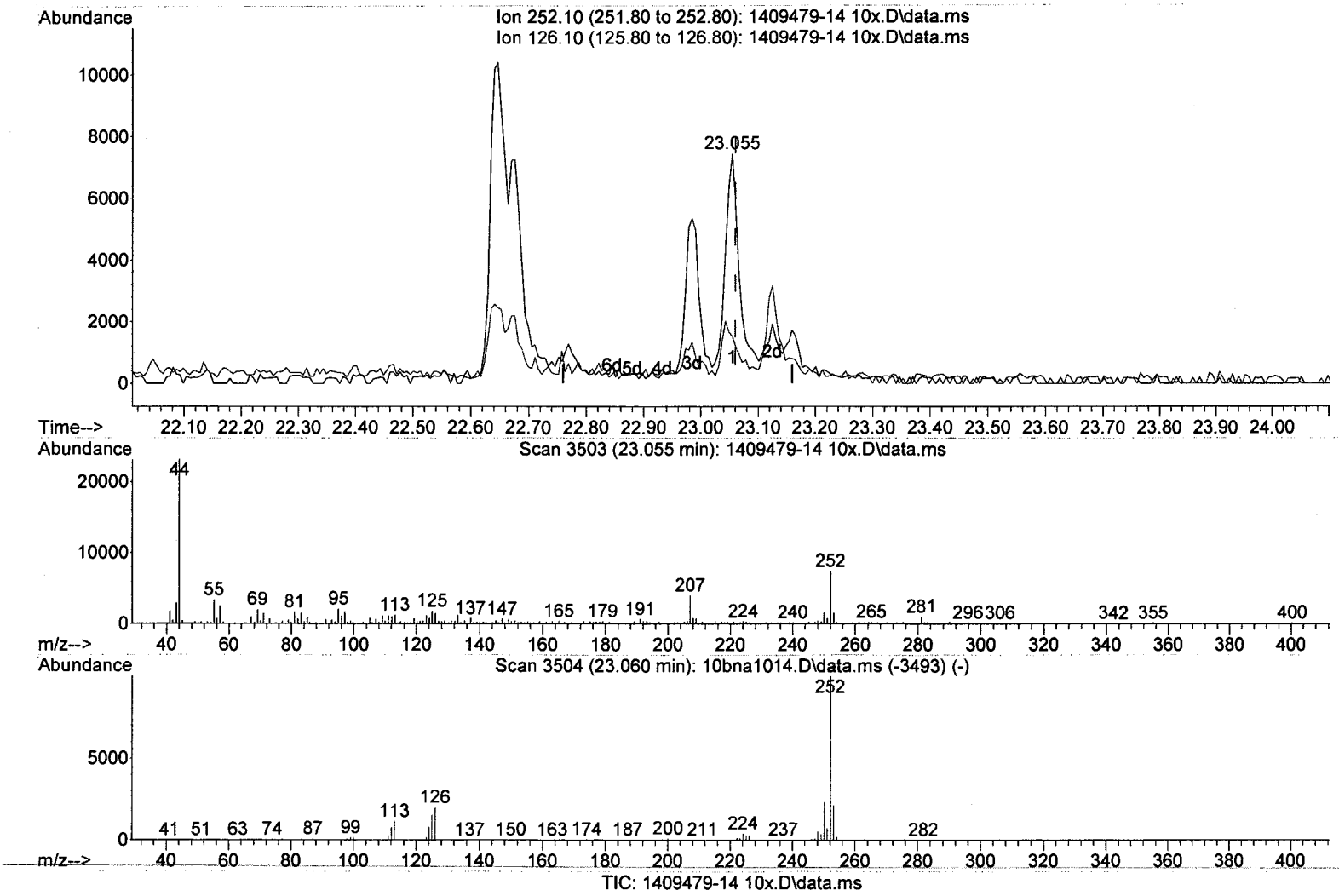
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	39.57#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: DMT Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409479-14 10x.D
Acq On : 14 Oct 2014 18:56
Operator : JLB
Sample : 1409479-14 10x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:08:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409479-14 10x.D\data.ms

(92) Benzo(a)pyrene (C)

23.055min (-0.006) 0.12 ng/uL

response 11038

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	29.05#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB07-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-15 File ID: 1409479-15.D

Sampled: 09/25/14 15:15 Prepared: 10/01/14 07:29 Analyzed: 10/07/14 20:52

Solids: 97.44 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	90	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	27	4.1	17	34	J
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	27	14	34	68	J
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3'-Dichlorobenzidine	1	680	290	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB07-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-15 File ID: 1409479-15.D

Sampled: 09/25/14 15:15 Prepared: 10/01/14 07:29 Analyzed: 10/07/14 20:52

Solids: 97.44 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	170	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.8	8.5	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	708	351	50	33 - 113	
Phenol-d6	708	223	31	30 - 115	
Nitrobenzene-d5	354	235	66	33 - 131	
2-Fluorobiphenyl	354	282	80	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB07-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-15
File ID: 1409479-15.D
Sampled: 09/25/14 15:15
Prepared: 10/01/14 07:29
Analyzed: 10/07/14 20:52
Solids: 97.44
Preparation: 3550C Sonication Extract
Initial/Final: 29 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	708	551	78	12 - 124	
o-Terphenyl	354	306	86	20 - 155	

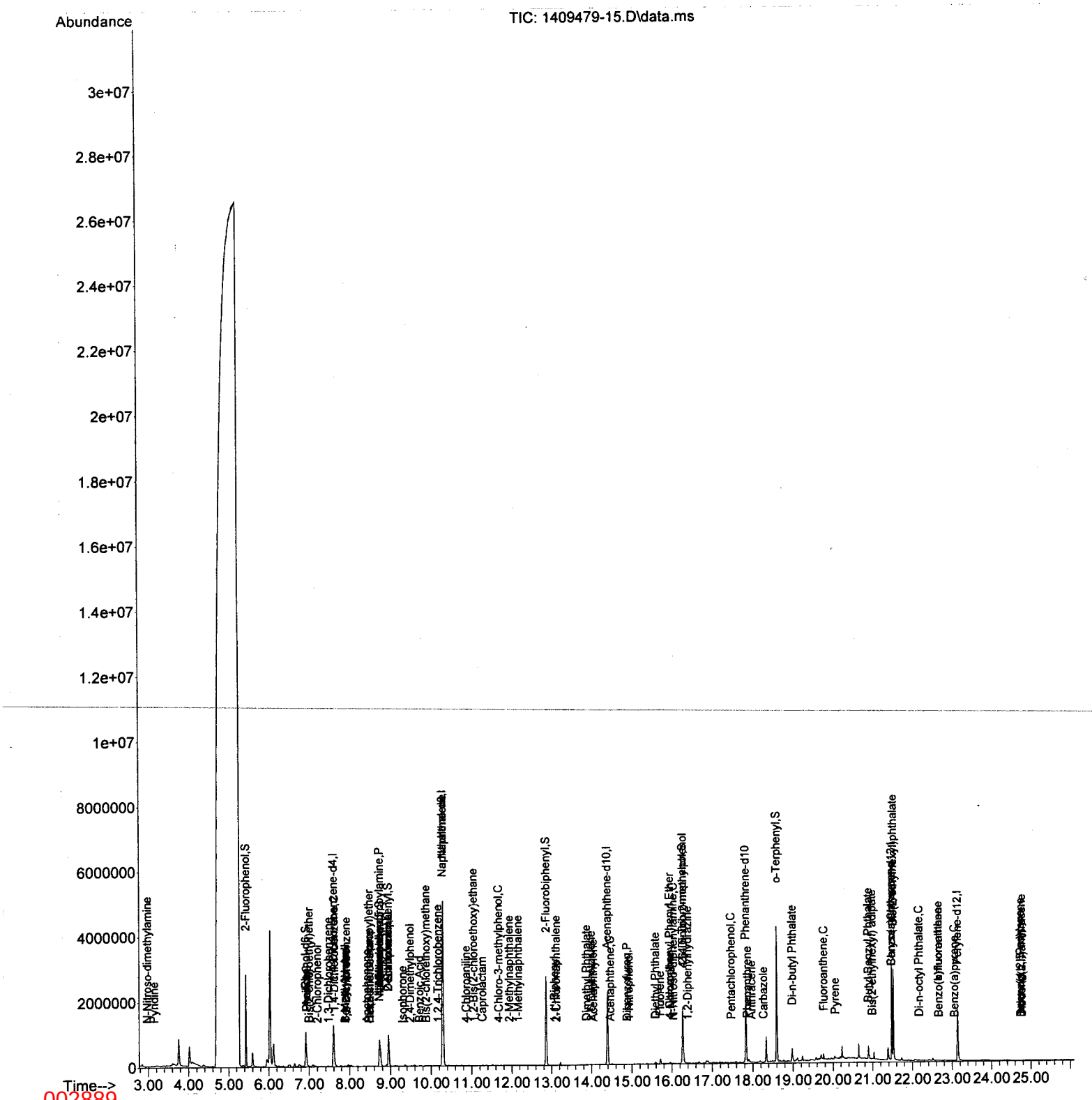
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	442333	7.596	403279	7.614	
Naphthalene-d8	1621197	10.295	1529030	10.359	
Acenaphthene-d10	1000788	14.393	866604	14.474	
Phenanthrene-d10	1567564	17.831	1400442	17.901	
Chrysene-d12	1306714	21.48	1153654	21.538	
Perylene-d12	918008	23.141	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-15.D
Acq On : 7 Oct 2014 20:52
Operator : JLB
Sample : 1409479-15 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 08 09:35:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-15.D
Acq On : 7 Oct 2014 20:52
Operator : JLB
Sample : 1409479-15 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 08 09:35:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.596	152	442333	5.00	ng/uL	# 0.08
20) Naphthalene-d8	10.295	136	1621197	5.00	ng/uL	0.03
42) Acenaphthene-d10	14.393	164	1000788	5.00	ng/uL	0.02
66) Phenanthrene-d10	17.831	188	1567564	5.00	ng/uL	0.02
81) Chrysene-d12	21.480	240	1306714	5.00	ng/uL	# 0.00
89) Perylene-d12	23.141	264	918008	5.00	ng/uL	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.434	112	1002830m	9.92	ng/uL	0.33
6) Phenol-d6	6.920	99	822810	6.29	ng/uL	0.09
21) Nitrobenzene-d5	8.733	82	689111	6.65	ng/uL	0.04
23) Decafluorobiphenyl	8.949	334	564604	7.77	ng/uL	0.02
47) 2-Fluorobiphenyl	12.865	172	1647275	7.97	ng/uL	0.02
70) 2,4,6-Tribromophenol	16.275	330	369948	15.56	ng/uL	0.02
78) o-Terphenyl	18.601	230	1162199	8.65	ng/uL	0.02
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.980	74	3172	0.05	ng/uL	90
3) Pyridine	3.149	79	1644	0.01	ng/uL#	31
5) Aniline	6.938	93	289	0.23	ng/uL#	1
7) Phenol	6.944	94	10572	0.07	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.008	93	198	0.00	ng/uL#	21
9) 2-Chlorophenol	7.200	128	119	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.474	146	1968	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.620	146	770	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.923	146	1738	0.01	ng/uL#	81
13) Bis(2-chloroisipropyl)...	8.482	45	229	0.00	ng/uL	97
14) Benzyl Alcohol	7.894	108	129	0.00	ng/uL#	1
15) 2-Methylphenol	7.894	108	129	0.00	ng/uL#	1
16) Acetophenone	8.424	105	829	0.01	ng/uL#	74
17) Hexachloroethane	8.494	119	138	0.00	ng/uL#	3
18) 4-Methylphenol	8.733	108	372	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.733	70	89854	RT 1.13	ng/uL#	2
22) Nitrobenzene	8.721	77	2772	0.02	ng/uL#	1
24) Isophorone	9.304	82	856	0.00	ng/uL#	80
25) 2-Chloroaniline	8.949	127	6599	0.05	ng/uL#	60
26) 2-Nitrophenol	8.949	139	1429	0.03	ng/uL#	33
27) 2,4-Dimethylphenol	9.491	107	167	0.00	ng/uL	92
28) Bis(2-chlorethoxy)methane	9.881	93	54	0.00	ng/uL#	62
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.718	105	8215	2.55	ng/uL	100
31) 1,2,4-Trichlorobenzene	10.178	180	944	0.01	ng/uL#	59
32) Naphthalene	10.301	128	61	0.00	ng/uL#	1
33) 4-Chloroaniline	10.872	127	360	0.00	ng/uL#	48
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.268	55	9908	0.21	ng/uL#	39
37) 1,2-Bis(2-chloroethoxy...	11.053	63	448	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.676	107	176	0.00	ng/uL#	7
39) 2-Methylnaphthalene	11.945	142	313	0.00	ng/uL#	25
40) 1-Methylnaphthalene	12.166	142	263	0.00	ng/uL#	81
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-15.D
Acq On : 7 Oct 2014 20:52
Operator : JLB
Sample : 1409479-15 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 08 09:35:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.122	162	261	0.00 ng/uL	97
49) 1,1'-Biphenyl	13.075	154	756	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.043	152	62	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.996	165	831	0.02 ng/uL#	31
53) Dimethyl Phthalate	13.880	163	11434	0.05 ng/uL#	80
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.463	153	213	0.00 ng/uL#	49
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.882	168	192	0.00 ng/uL	98
58) 4-Nitrophenol	14.935	65	125	0.00 ng/uL#	22
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.710	166	476	0.00 ng/uL#	1
63) Diethyl Phthalate	15.593	149	21260	0.10 ng/uL	94
64) 4-Chlorophenyl Phenyl ...	15.955	204	1699	0.02 ng/uL#	13
65) 4-Nitroaniline	15.960	138	252	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.281	198	831	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.042	169	144	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	16.398	182	53	0.00 ng/uL	78
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.470	266	538	0.02 ng/uL#	1
75) Phenanthrene	17.872	178	6067	0.02 ng/uL	98
76) Anthracene	17.977	178	834	0.00 ng/uL	100
77) Carbazole	18.274	167	281	0.00 ng/uL#	1
79) Di-n-butyl Phthalate	18.986	149	229574	0.76 ng/uL	98
80) Fluoroanthene	19.767	202	5886	0.02 ng/uL#	82
82) Pyrene	20.058	202	6608	0.02 ng/uL#	62
83) Butyl Benzyl Phthalate	20.891	149	93448	0.76 ng/uL	88
84) Bis(2-ethylhexyl) adipate	20.991	129	3254	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.474	228	5579	0.02 ng/uL#	2
86) Chrysene	21.474	228	5579	0.02 ng/uL#	88
87) Bis(2-ethylhexyl)phtha...	21.521	149	734909	4.69 ng/uL	91
88) Di-n-octyl Phthalate	22.168	149	61808	~~0.55~~ ng/uL#	78
90) Benzo(b)fluoroanthene	22.658	252	3545	0.02 ng/uL#	93
91) Benzo(k)fluoranthene	22.658	252	3545	0.02 ng/uL	95
92) Benzo(a)pyrene	23.066	252	1782	0.01 ng/uL	96
93) Indeno(1,2,3-cd)pyrene	24.738	276	1397	0.01 ng/uL#	73
94) Dibdenz(a,h)anthracene	24.773	278	486	0.00 ng/uL#	87
95) Benzo(g,h,i)Perylene	24.738	276	1397	0.01 ng/uL#	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

002891

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-15.D
Acq On : 7 Oct 2014 20:52
Operator : JLB
Sample : 1409479-15 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 08 07:58:37 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

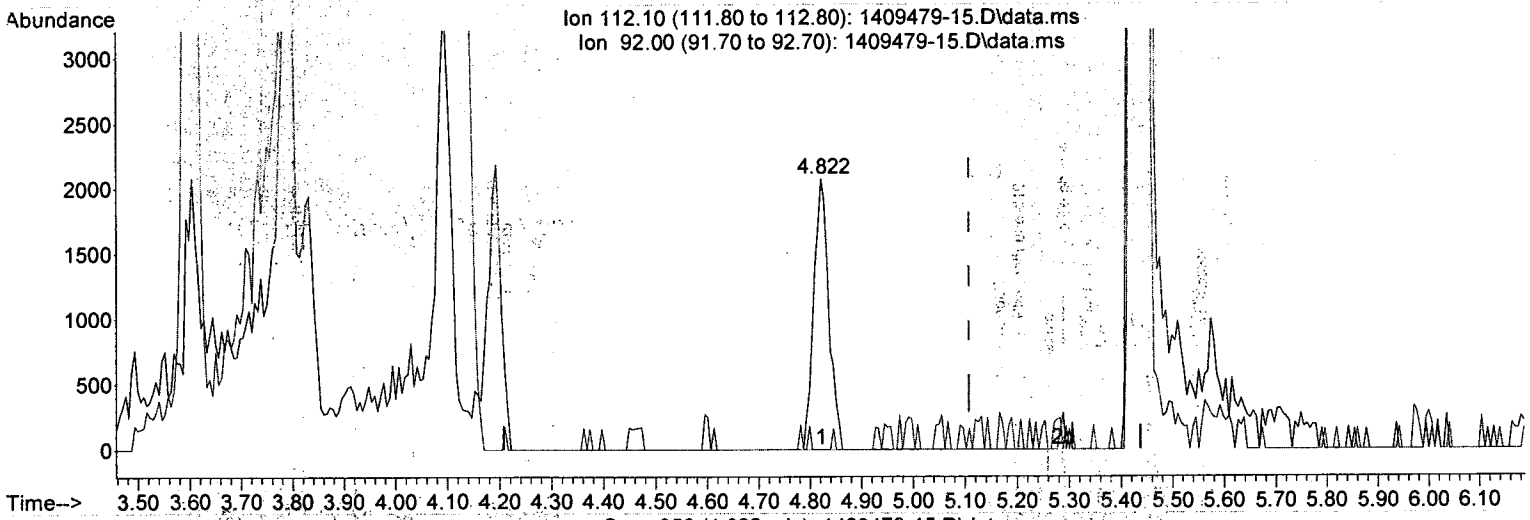
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.596	152	432480	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.295	136	1621197	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.393	164	997235	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.831	188	1568748	5.00	ng/uL		0.00
19) Chrysene-d12	21.480	240	1278497	5.00	ng/uL	#	0.00
22) Perylene-d12	23.141	264	919845	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.980	74	3172	0.05	ng/uL		90
3) Pyridine	3.149	79	1644	0.01	ng/uL	#	31
4) Aniline	6.938	93	289	0.00	ng/uL	#	1
5) Benzaldehyde	6.710	105	463	0.00	ng/uL	#	59
6) Acetophenone	8.424	105	829	0.01	ng/uL	#	74
7) N-Nitroso-di-n-propyla...	8.442	70	249	0.00	ng/uL	#	1
9) 4-Chloroaniline	10.493	127	100	0.01	ng/uL	#	71
10) Caprolactam	11.268	55	4321	0.18	ng/uL	#	61
12) 1,1'-Biphenyl	13.075	154	756	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.960	138	252	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.042	169	144	0.00	ng/uL	#	26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.953	184	569	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.031	252	249	0.00	ng/uL		86

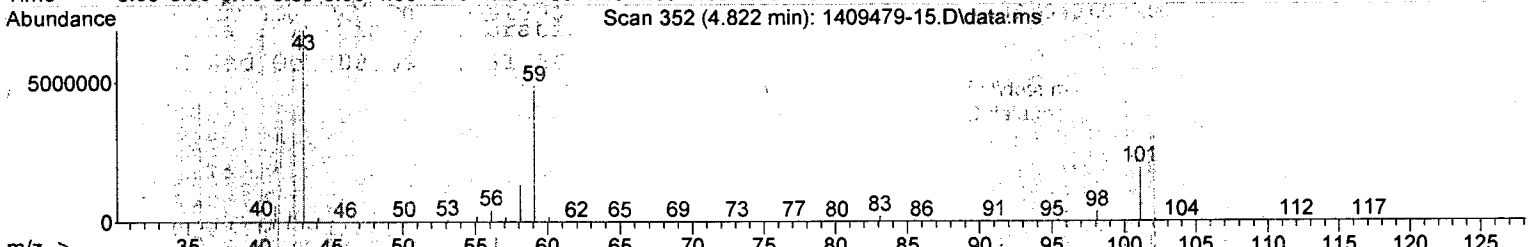
(#) = qualifier out of range (m) = manual integration (+) = signals summed

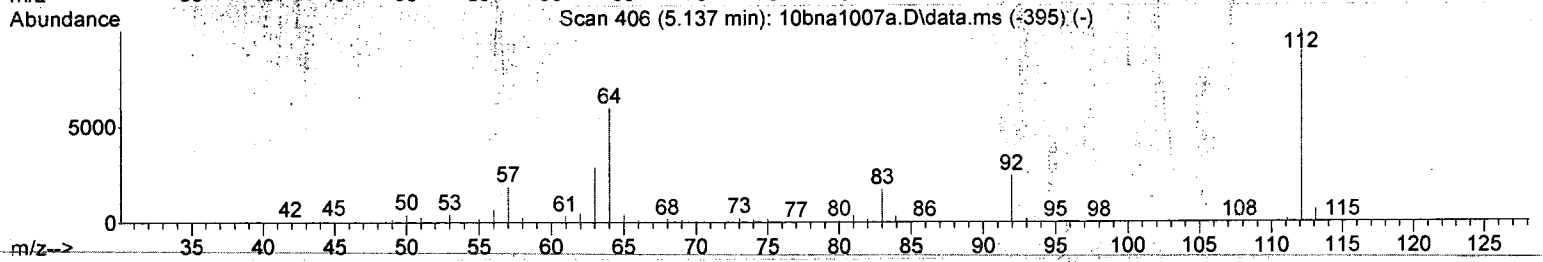
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-15.D
Acq On : 7 Oct 2014 20:52
Operator : JLB
Sample : 1409479-15 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 08 08:44:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-15.D\data.ms

(4) 2-Fluorophenol (S)

4.822min (-0.286) 0.04 ng/uL

response 4193

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

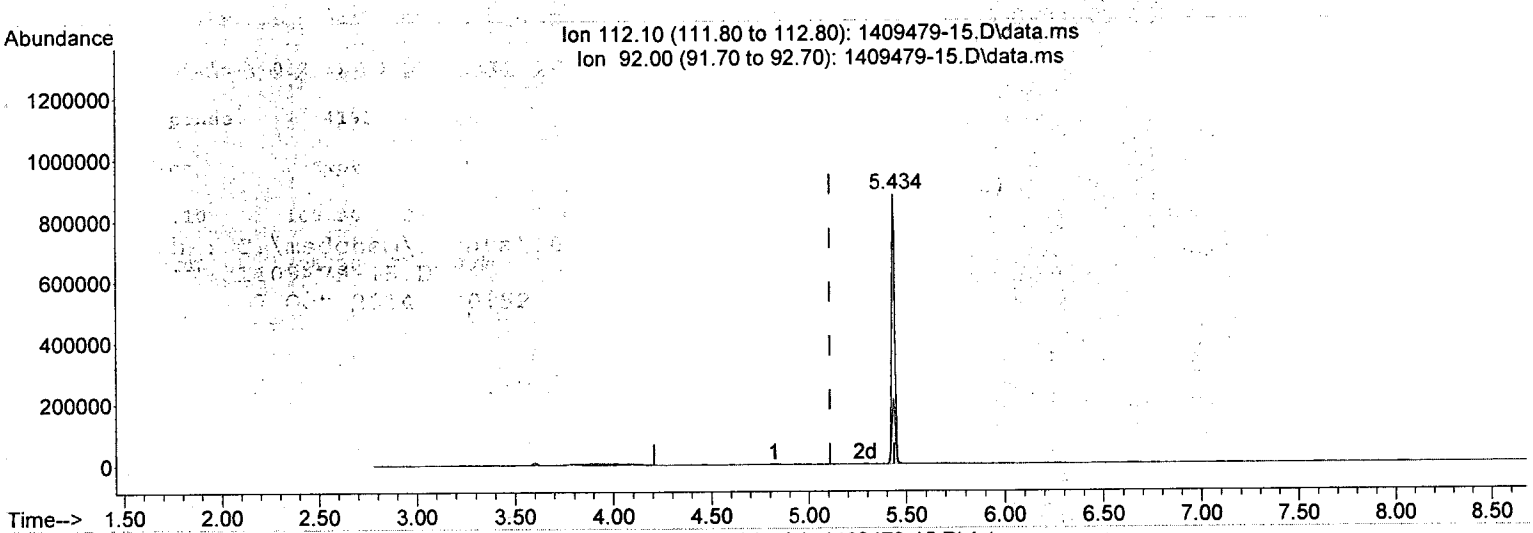
JHS 10/9/14

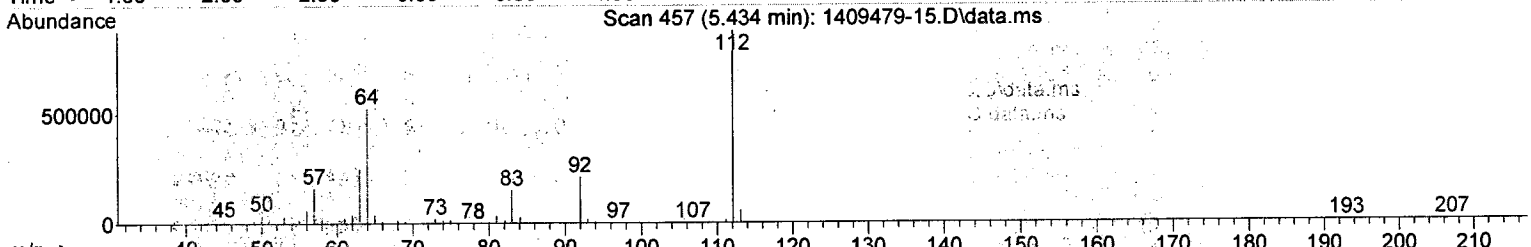
DWS 10-17-14

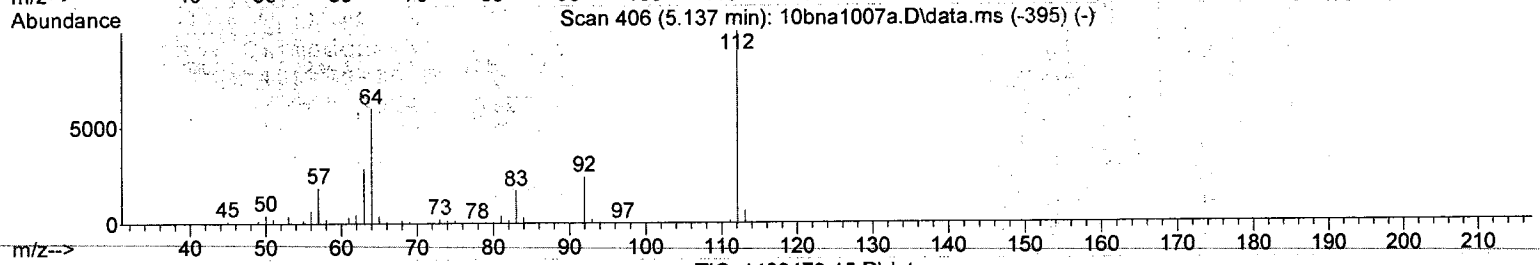
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-15.D
Acq On : 7 Oct 2014 20:52
Operator : JLB
Sample : 1409479-15 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 08 08:44:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-15.D\data.ms

(4) 2-Fluorophenol (S)

5.434min (+ 0.326) 9.92 ng/uL m

response 1002830

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

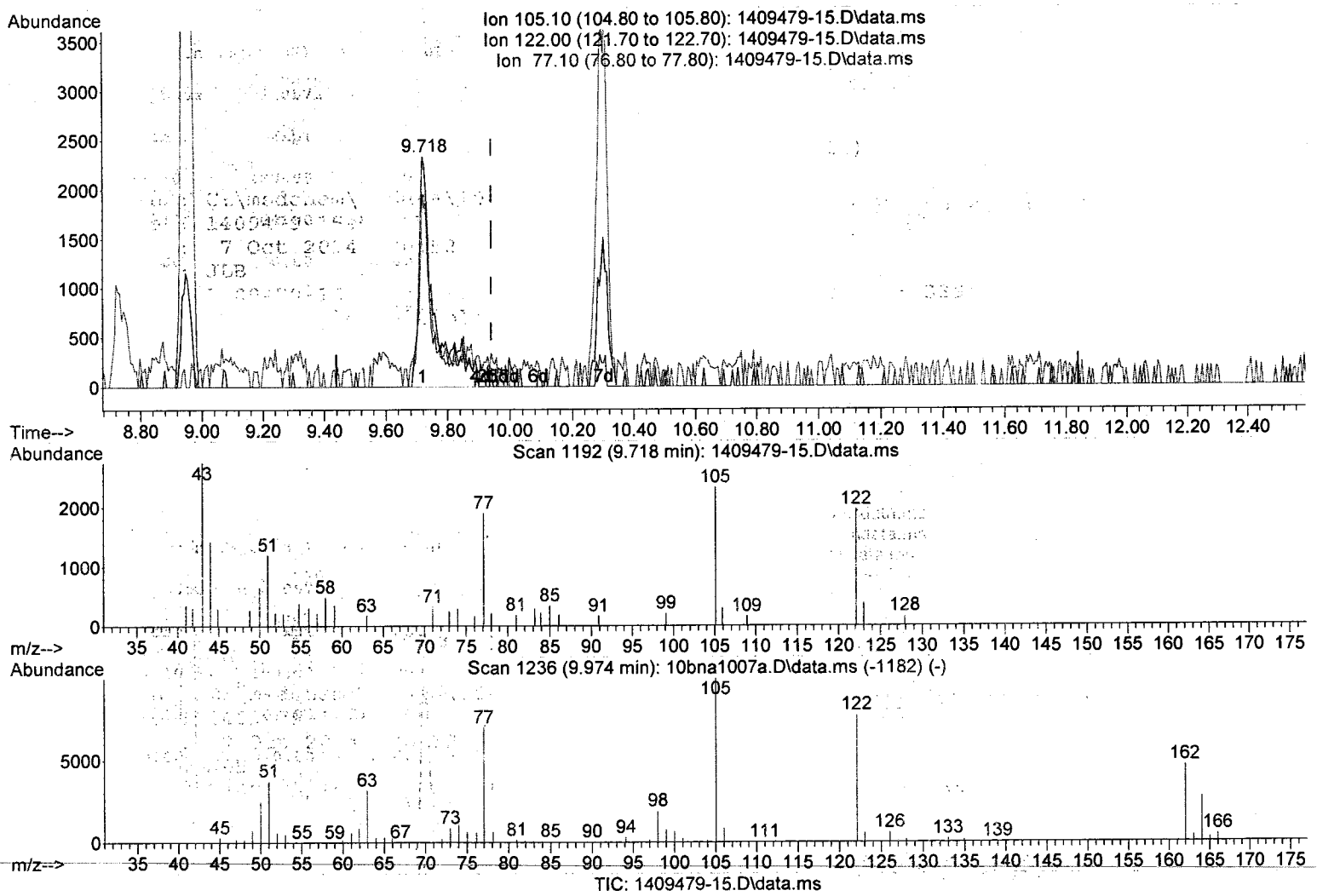
Analyst: JLB Date: 10/9/14

Reviewed By: Dwy Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-15.D
Acq On : 7 Oct 2014 20:52
Operator : JLB
Sample : 1409479-15 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 08 08:44:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-15.D\data.ms

(30) Benzoic Acid

9.718min (-0.221) 2.55 ng/uL

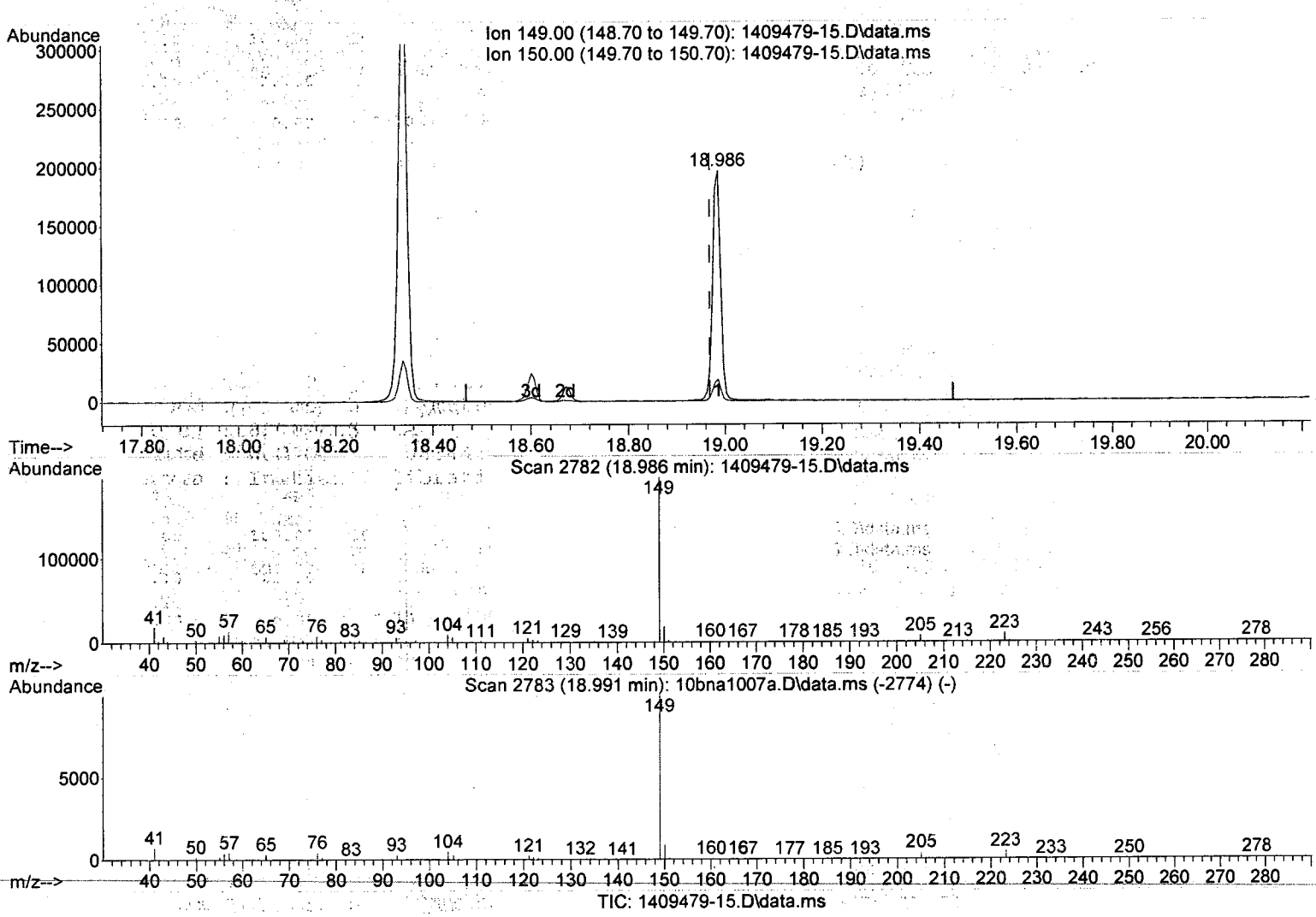
response 8215

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	80.13
77.10	74.70	74.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-15.D
Acq On : 7 Oct 2014 20:52
Operator : JLB
Sample : 1409479-15 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 08 08:44:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



(79) Di-n-butyl Phthalate

18.986min (+ 0.018) 0.76 ng/uL

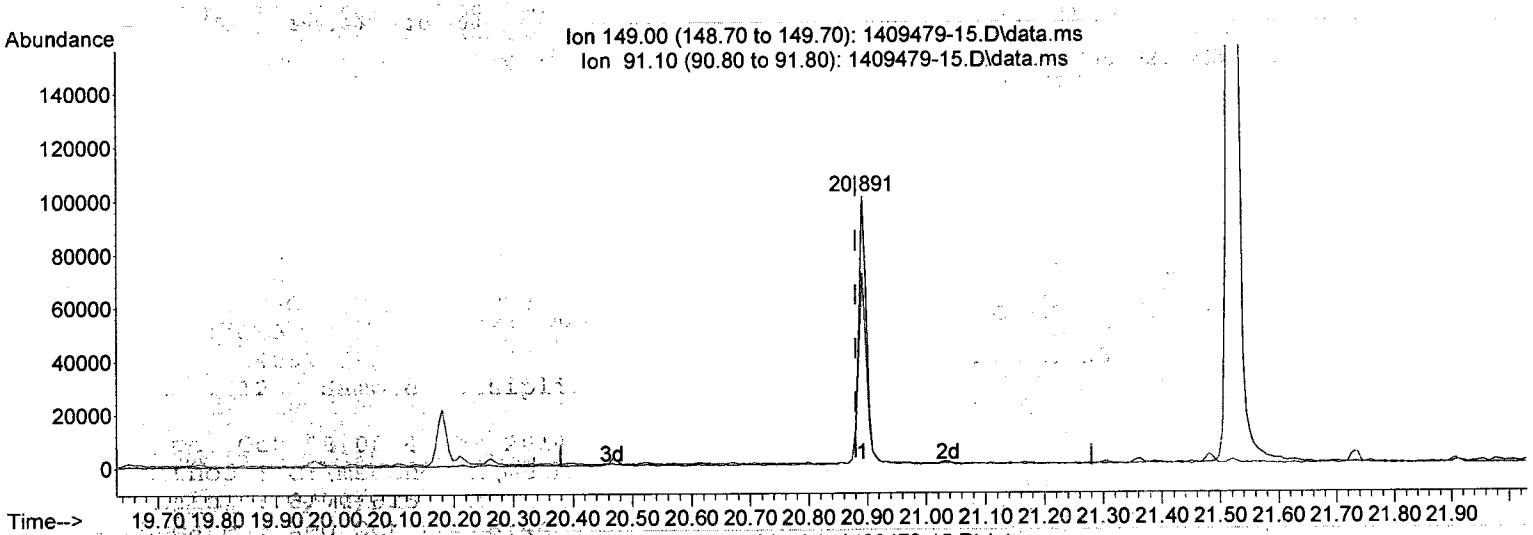
response 229574

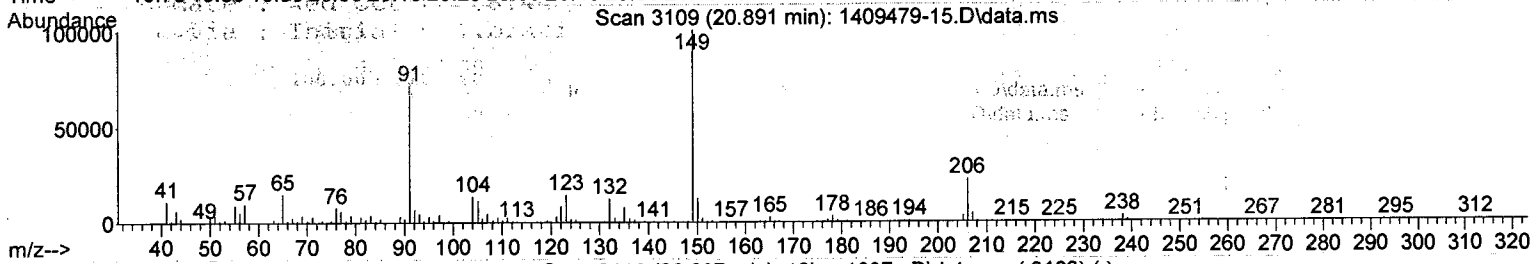
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.51
0.00	0.00	0.00
0.00	0.00	0.00

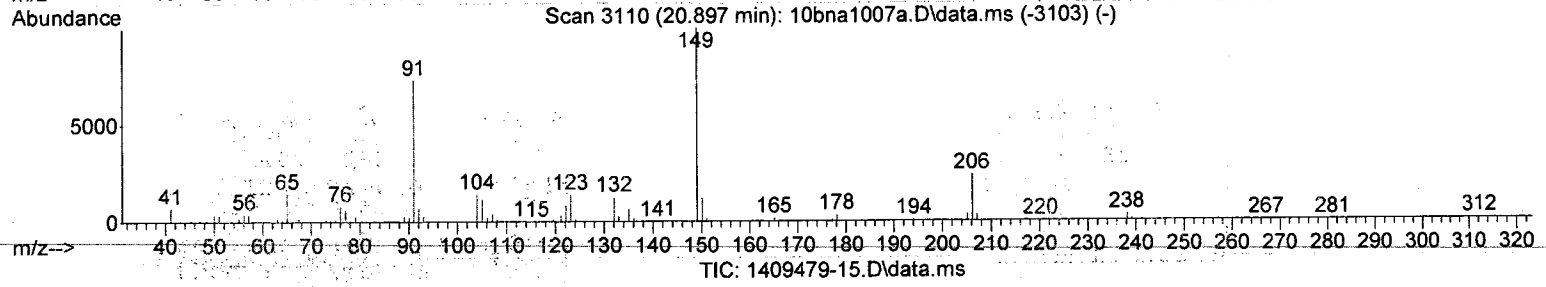
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-15.D
Acq On : 7 Oct 2014 20:52
Operator : JLB
Sample : 1409479-15 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 08 08:44:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-15.D\data.ms

(83) Butyl Benzyl Phthalate

20.891min (+ 0.012) 0.76 ng/uL

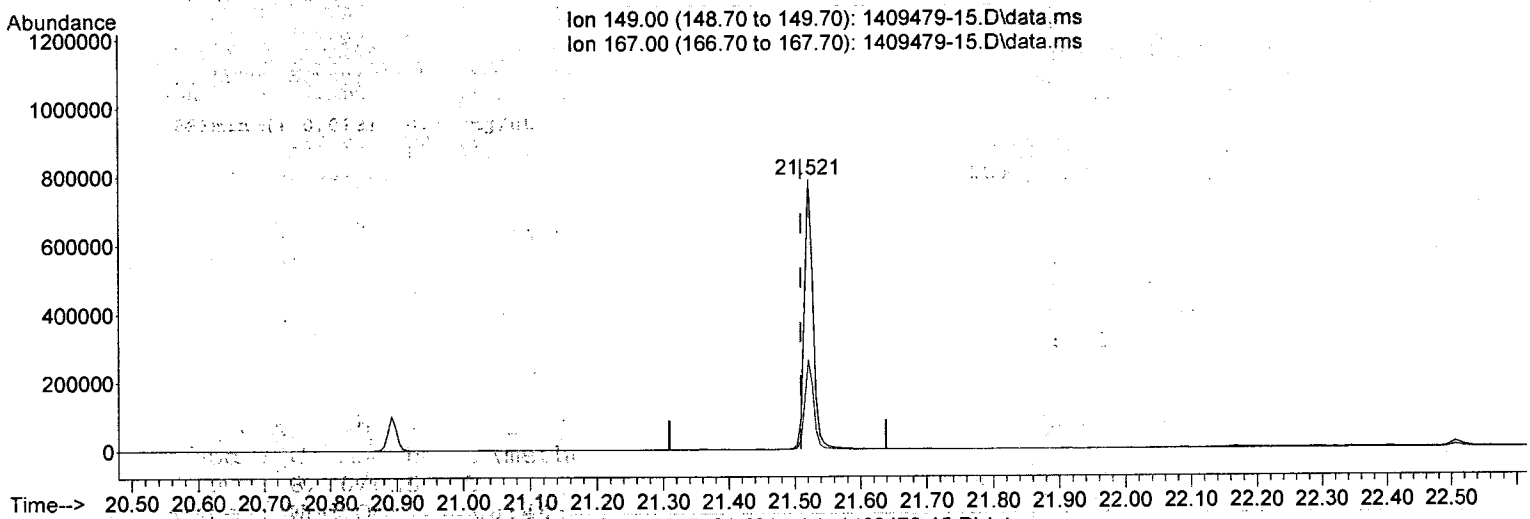
response 93448

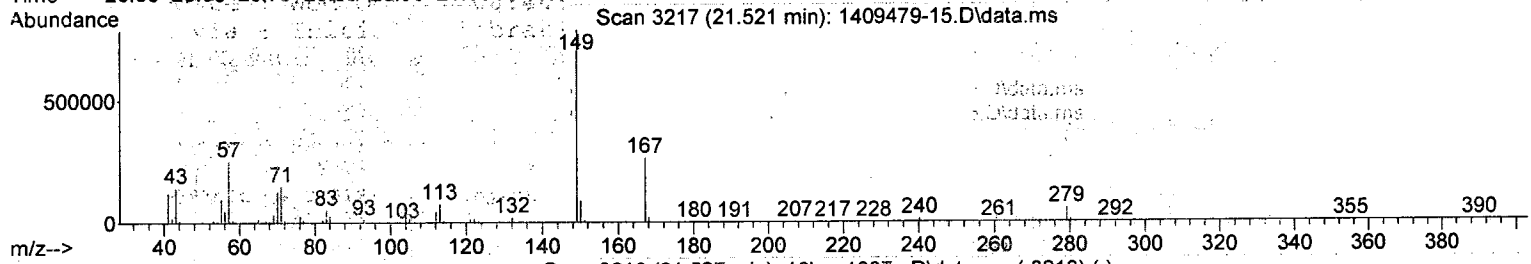
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	73.91
0.00	0.00	0.00
0.00	0.00	0.00

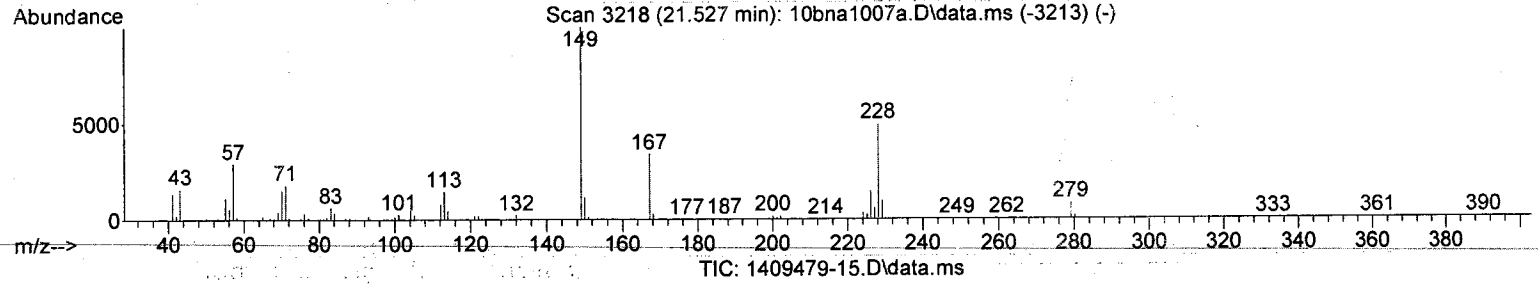
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-15.D
Acq On : 7 Oct 2014 20:52
Operator : JLB
Sample : 1409479-15 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 08 08:44:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-15.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.521min (+ 0.012) 4.69 ng/uL

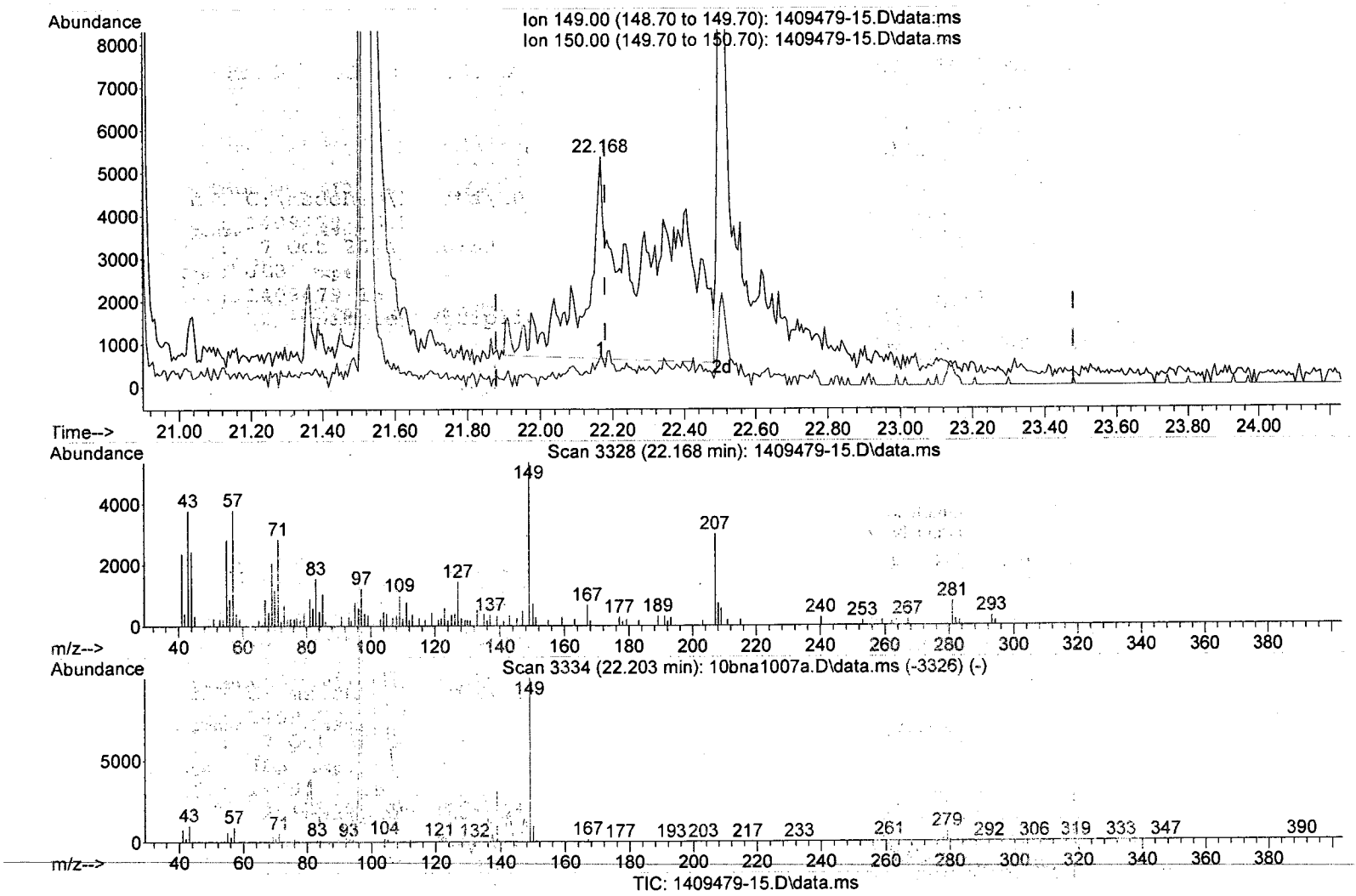
response 734909

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.01
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-15.D
Acq On : 7 Oct 2014 20:52
Operator : JLB
Sample : 1409479-15 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 08 08:44:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-15.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.168min (-0.012) 0.55 ng/uL

response 61808

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.50	1.67#
0.00	0.00	0.00
0.00	0.00	0.00

pp

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB03-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-16 File ID: 1409479-16.D

Sampled: 09/25/14 11:55 Prepared: 10/01/14 07:29 Analyzed: 10/07/14 21:56

Solids: 97.82 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	93	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.0	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	21	14	34	68	J
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	4.9	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB03-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-16 File ID: 1409479-16.D

Sampled: 09/25/14 11:55 Prepared: 10/01/14 07:29 Analyzed: 10/07/14 21:56

Solids: 97.82 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	43	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	68	25	68	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	13	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	710	370	52	33 - 113	
Phenol-d6	710	335	47	30 - 115	
Nitrobenzene-d5	355	302	85	33 - 131	
2-Fluorobiphenyl	355	307	86	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB03-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-16
File ID: 1409479-16.D
Sampled: 09/25/14 11:55
Prepared: 10/01/14 07:29
Analyzed: 10/07/14 21:56
Solids: 97.82
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	710	556	78	12 - 124	
o-Terphenyl	355	323	91	20 - 155	

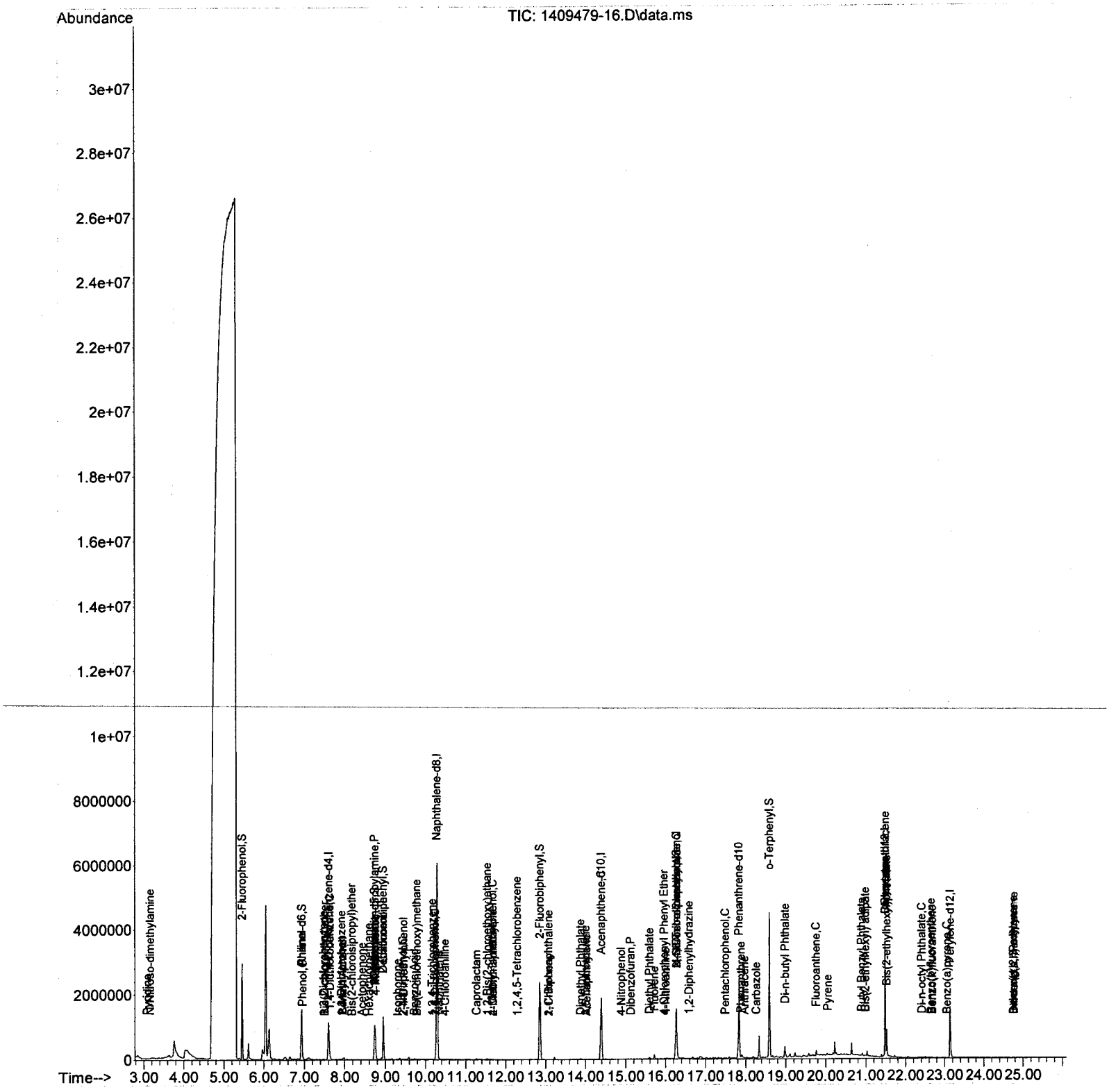
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	430005	7.602	403279	7.614	
Naphthalene-d8	1602993	10.289	1529030	10.359	
Acenaphthene-d10	1012661	14.392	866604	14.474	
Phenanthrene-d10	1677050	17.831	1400442	17.901	
Chrysene-d12	1448701	21.48	1153654	21.538	
Perylene-d12	890029	23.141	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 09:38:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 09:38:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.602	152	430005	5.00	ng/uL	#	0.08
20) Naphthalene-d8	10.289	136	1602993	5.00	ng/uL		0.02
42) Acenaphthene-d10	14.392	164	1012661	5.00	ng/uL		0.02
66) Phenanthrene-d10	17.831	188	1677050	5.00	ng/uL		0.02
81) Chrysene-d12	21.480	240	1448701	5.00	ng/uL	#	0.00
89) Perylene-d12	23.141	264	890029	5.00	ng/uL	#	0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.463	112	1024675m	10.43	ng/uL		0.36
6) Phenol-d6	6.943	99	1199100	9.43	ng/uL		0.12
21) Nitrobenzene-d5	8.739	82	873382	8.52	ng/uL		0.04
23) Decafluorobiphenyl	8.948	334	642402	8.94	ng/uL		0.02
47) 2-Fluorobiphenyl	12.860	172	1810244	8.65	ng/uL		0.01
70) 2,4,6-Tribromophenol	16.281	330	398387	15.66	ng/uL		0.02
78) o-Terphenyl	18.601	230	1308970	9.10	ng/uL		0.02
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.161	74	140	0.00	ng/uL	#	1
3) Pyridine	3.085	79	1364	0.01	ng/uL		83
5) Aniline	6.943	93	183	0.22	ng/uL	#	1
7) Phenol	6.961	94	13416	0.09	ng/uL	#	1
8) Bis(2-chloroethyl)ether	7.503	93	335	0.00	ng/uL		91
9) 2-Chlorophenol	0.000		0	N.D.			
10) 1,3-Dichlorobenzene	7.480	146	3193	0.03	ng/uL	#	1
11) 1,4-Dichlorobenzene	7.631	146	1563	0.01	ng/uL	#	1
12) 1,2-Dichlorobenzene	7.923	146	3500	0.03	ng/uL	#	46
13) Bis(2-chloroisipropyl)...	8.179	45	807	0.00	ng/uL	#	51
14) Benzyl Alcohol	7.952	108	132	0.00	ng/uL	#	61
15) 2-Methylphenol	7.952	108	132	0.00	ng/uL	#	1
16) Acetophenone	8.430	105	1022	0.01	ng/uL	#	51
17) Hexachloroethane	8.593	119	133	0.00	ng/uL	#	3
18) 4-Methylphenol	8.756	108	622	0.01	ng/uL	#	1
19) N-Nitroso-di-n-propyla...	8.739	70	113978	~~1.47~~	ng/uL	#	2
22) Nitrobenzene	8.733	77	4433	0.04	ng/uL	#	1
24) Isophorone	9.310	82	1651	0.01	ng/uL	#	87
25) 2-Chloroaniline	8.948	127	7930	0.06	ng/uL	#	63
26) 2-Nitrophenol	9.444	139	91	0.00	ng/uL	#	1
27) 2,4-Dimethylphenol	9.461	107	222	0.00	ng/uL		99
28) Bis(2-chlorethoxy)methane	9.782	93	135	0.00	ng/uL	#	59
29) 2,4-Dichlorophenol	10.242	162	128	0.00	ng/uL	#	1
30) Benzoic Acid	9.724	105	14038m	2.61	ng/uL		
31) 1,2,4-Trichlorobenzene	10.173	180	1325	0.01	ng/uL		88
32) Naphthalene	10.336	128	2176	0.01	ng/uL	#	74
33) 4-Chloroaniline	10.487	127	504	0.01	ng/uL	#	5
34) 2,6-Dichlorophenol	10.242	162	128	0.00	ng/uL	#	1
35) Hexachlorobutadiene	0.000		0	N.D.			
36) Caprolactam	11.268	55	10897	0.24	ng/uL	#	43
37) 1,2-Bis(2-chloroethoxy...	11.542	63	318	0.00	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.682	107	417	0.00	ng/uL	#	38
39) 2-Methylnaphthalene	11.688	142	144	0.00	ng/uL	#	1
40) 1-Methylnaphthalene	0.000		0	N.D.			
41) 1,3 Dinitrobenzene	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 09:38:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.288	216	126	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.081	162	769	0.00 ng/uL	99
49) 1,1'-Biphenyl	13.081	154	662	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.031	152	55	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.008	165	1047	0.02 ng/uL#	41
53) Dimethyl Phthalate	13.880	163	12663	0.06 ng/uL#	86
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.392	153	60	0.00 ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	15.127	168	337	0.00 ng/uL#	63
58) 4-Nitrophenol	14.882	65	158	0.00 ng/uL#	25
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.716	166	61	0.00 ng/uL#	1
63) Diethyl Phthalate	15.593	149	21278	0.10 ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.960	204	53	0.00 ng/uL#	1
65) 4-Nitroaniline	16.007	138	120	0.00 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.275	198	934	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.281	169	16684	0.09 ng/uL#	40
69) 1,2-Diphenylhydrazine	16.590	182	55	0.00 ng/uL	89
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.487	266	473	0.01 ng/uL#	1
75) Phenanthrene	17.878	178	2437	0.01 ng/uL#	84
76) Anthracene	17.971	178	424	0.00 ng/uL#	1
77) Carbazole	18.268	167	181	0.00 ng/uL#	1
79) Di-n-butyl Phthalate	18.985	149	194225	0.60 ng/uL	99
80) Fluoroanthene	19.761	202	995	0.00 ng/uL#	76
82) Pyrene	20.058	202	1471	0.00 ng/uL#	1
83) Butyl Benzyl Phthalate	20.891	149	4091m	0.03 ng/uL	
84) Bis(2-ethylhexyl) adipate	20.990	129	2879	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.486	228	3599	0.01 ng/uL#	1
86) Chrysene	21.486	228	3599	0.01 ng/uL#	57
87) Bis(2-ethylhexyl)phtha...	21.521	149	211406	1.22 ng/uL#	87
88) Di-n-octyl Phthalate	22.407	149	24144	~~0.42~~ ng/uL#	79
90) Benzo(b)fluoroanthene	22.652	252	156	0.00 ng/uL#	56
91) Benzo(k)fluoranthene	22.687	252	345	0.00 ng/uL#	58
92) Benzo(a)pyrene	23.060	252	122	0.00 ng/uL#	57
93) Indeno(1,2,3-cd)pyrene	24.756	276	379	0.00 ng/uL	90
94) Dibdenz(a,h)anthracene	24.773	278	64	0.00 ng/uL#	60
95) Benzo(g,h,i)Perylene	24.756	276	379	0.00 ng/uL	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 07:52:37 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

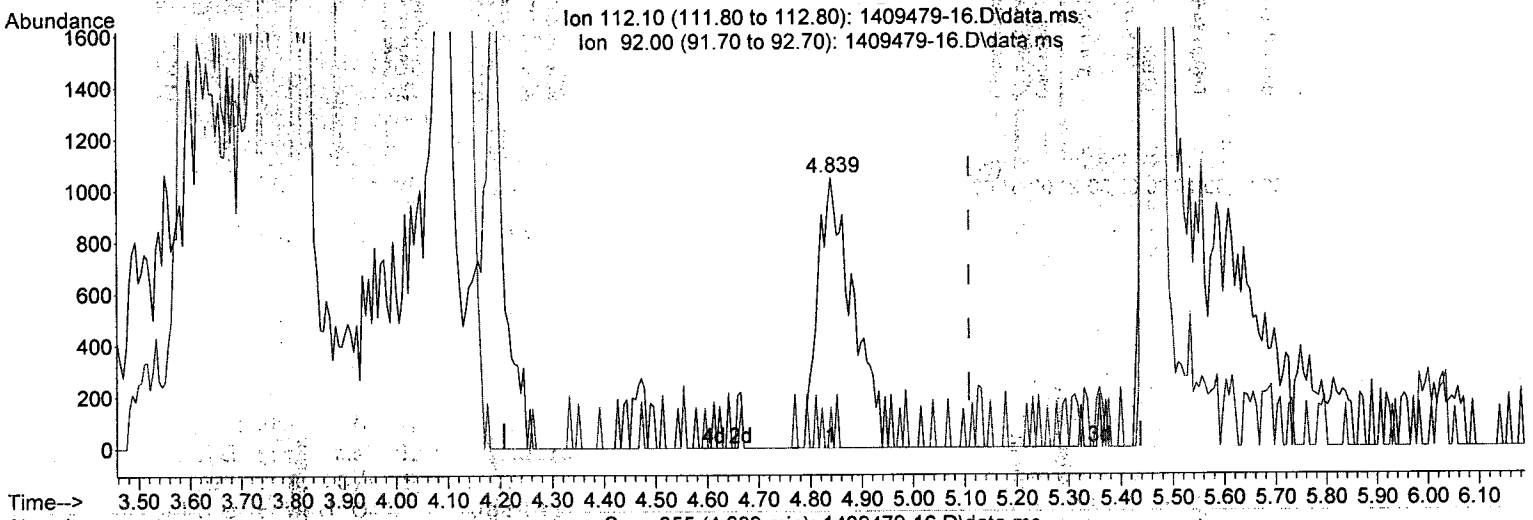
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.602	152	416135	5.00	ng/uL	#	0.05
8) Naphthalene-d8	10.289	136	1602993	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.392	164	1007686	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.831	188	1680335	5.00	ng/uL		0.00
19) Chrysene-d12	21.480	240	1448701	5.00	ng/uL	#	0.00
22) Perylene-d12	23.141	264	890029	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.184	74	134	0.00	ng/uL	#	1
3) Pyridine	3.085	79	1364	0.01	ng/uL		83
4) Aniline	6.943	93	183	0.00	ng/uL	#	1
5) Benzaldehyde	6.739	105	785	0.01	ng/uL	#	1
6) Acetophenone	8.430	105	1022	0.01	ng/uL	#	51
7) N-Nitroso-di-n-propyla...	8.167	70	1000	0.01	ng/uL		99
9) 4-Chloroaniline	10.563	127	307	0.01	ng/uL		94
10) Caprolactam	11.268	55	4756	0.19	ng/uL	#	64
12) 1,1'-Biphenyl	13.081	154	662	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.873	138	54	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.281	169	16684	0.09	ng/uL	#	40
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.965	184	400	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

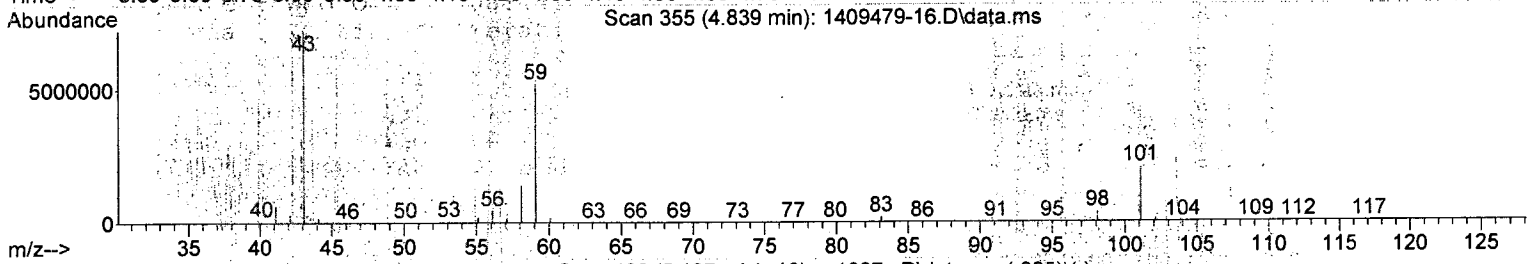
(#) = qualifier out of range (m) = manual integration (+) = signals summed

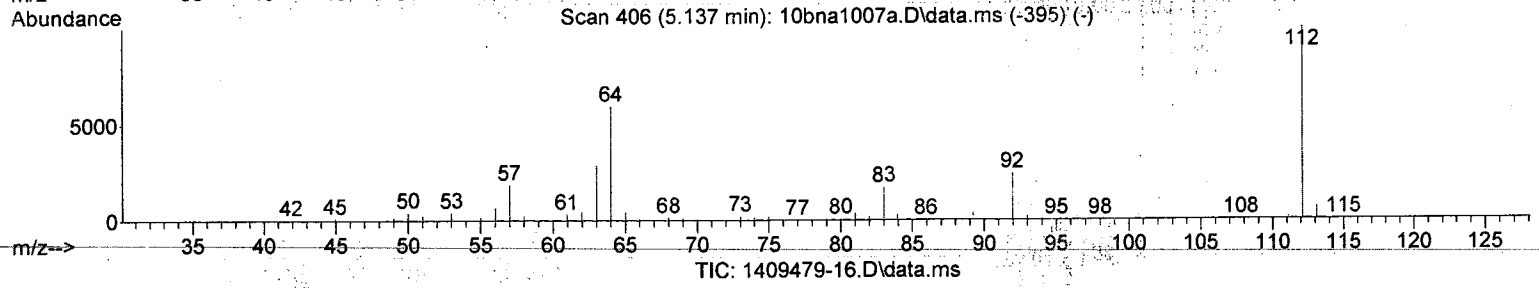
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 08:45:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-16.D\data.ms

(4) 2-Fluorophenol (S)

4.839min (-0.268) 0.05 ng/uL

response 4870

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	2.57#
0.00	0.00	0.00
0.00	0.00	0.00

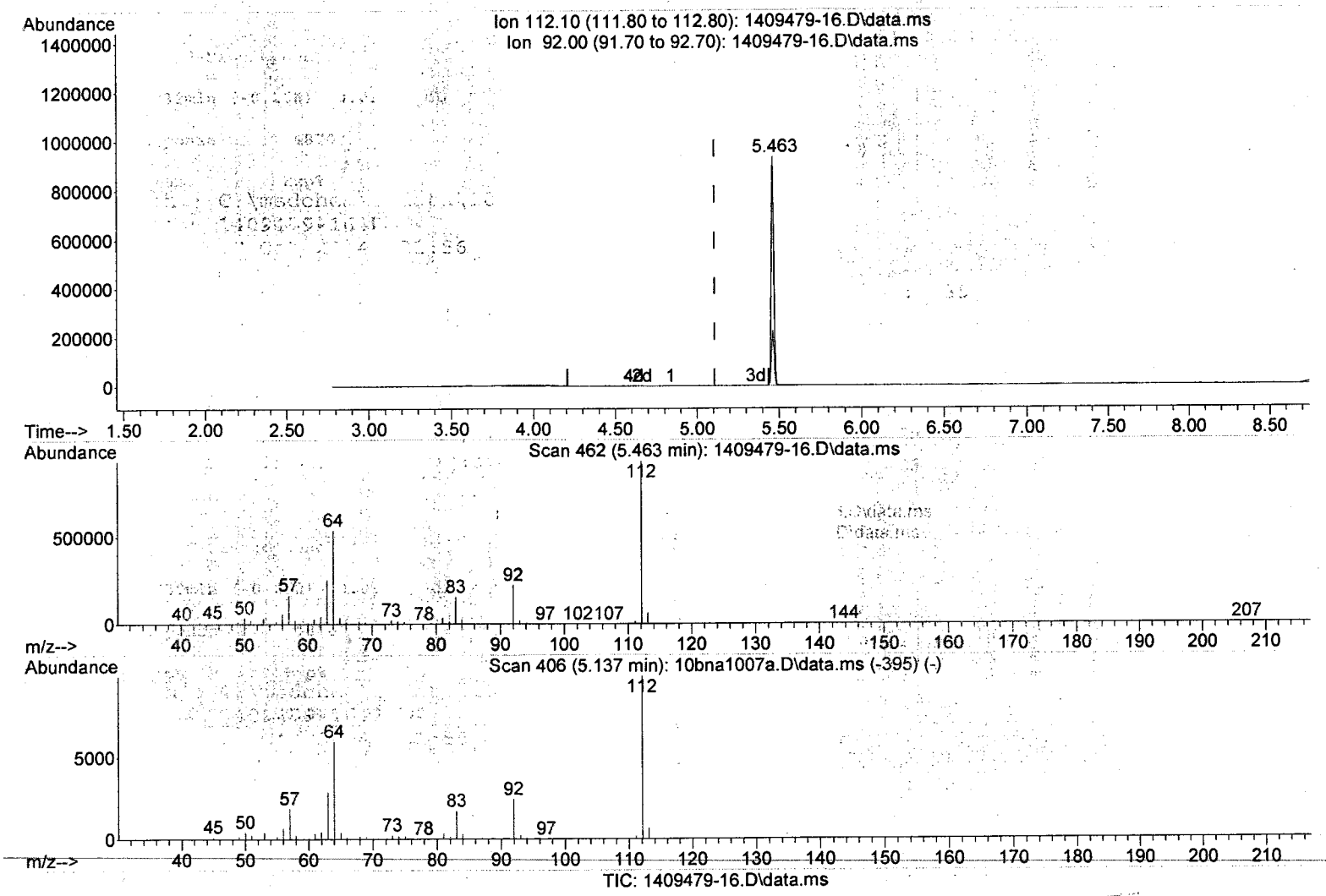
JLB 10/9/14

DWG 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 08:45:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-16.D\data.ms

(4) 2-Fluorophenol (S)

5.463min (+ 0.355) 10.43 ng/uL m

response 1024675

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.01#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

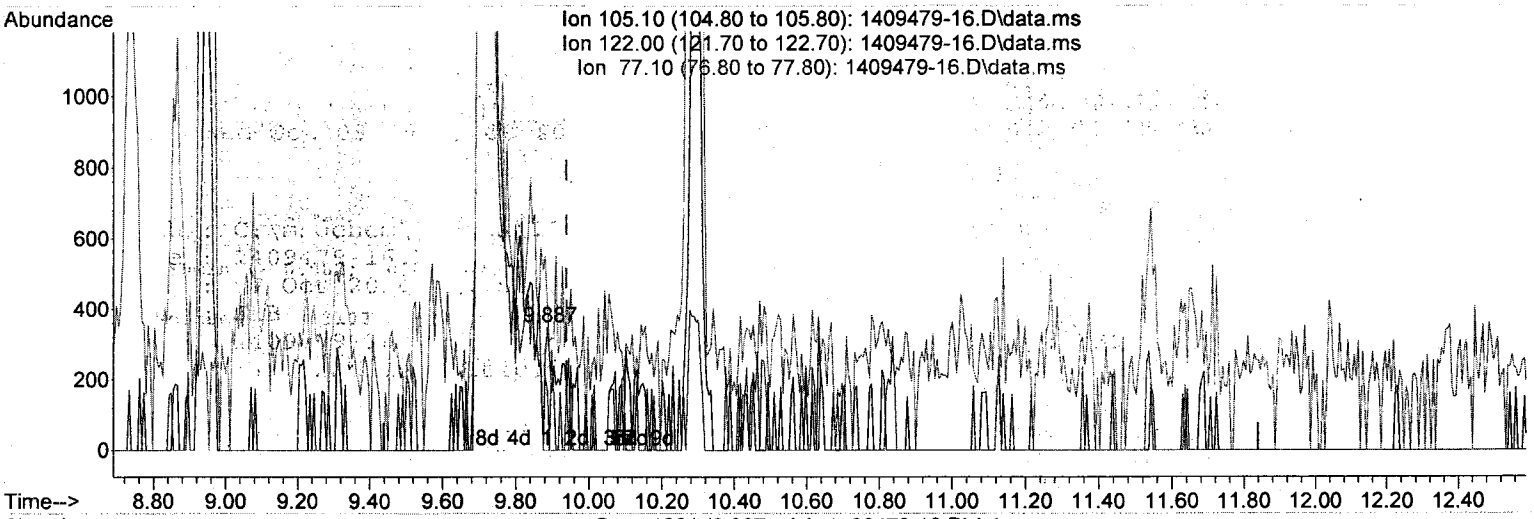
Reason 1: Incorrect peak integrated by the software.

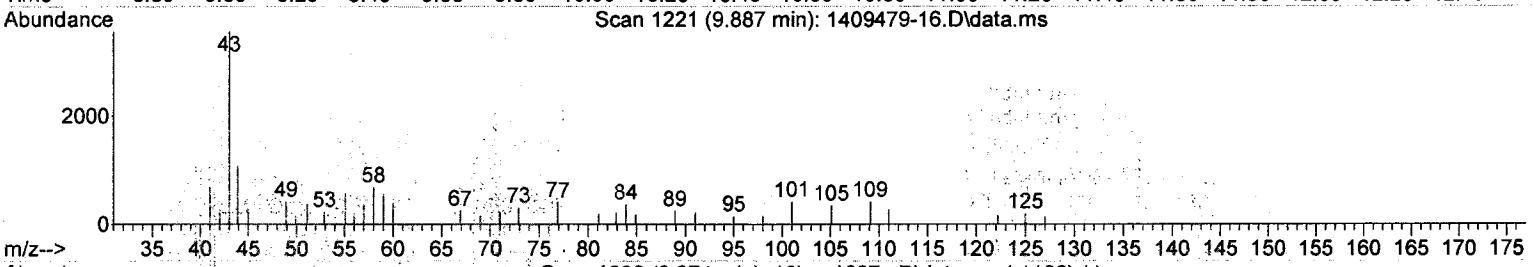
Flagged on Quantitation Report: (Yes) / No
Analyst: Date: 10/9/14
Reviewed By: Date: 10-17-14

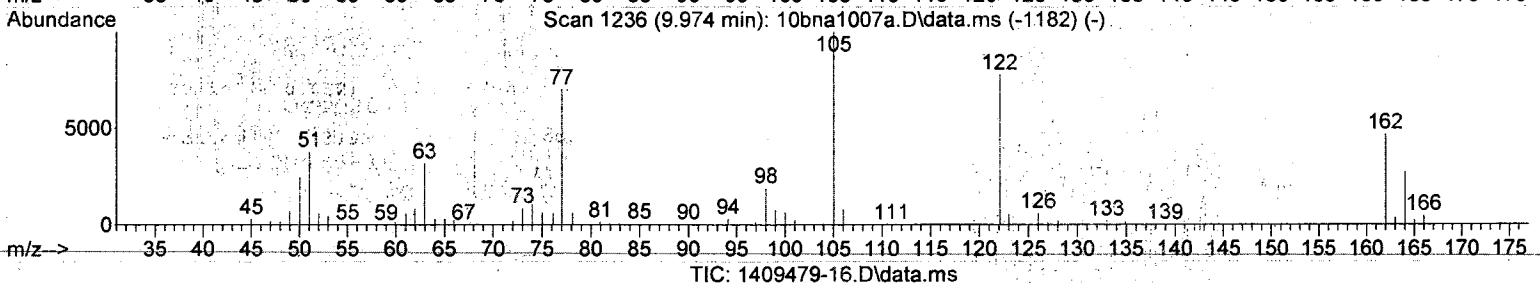
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 08:45:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-16.D\data.ms

(30) Benzoic Acid

9.887min (-0.053) 2.47 ng/uL

response 970

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	13.61#
77.10	74.70	0.00#
0.00	0.00	0.00

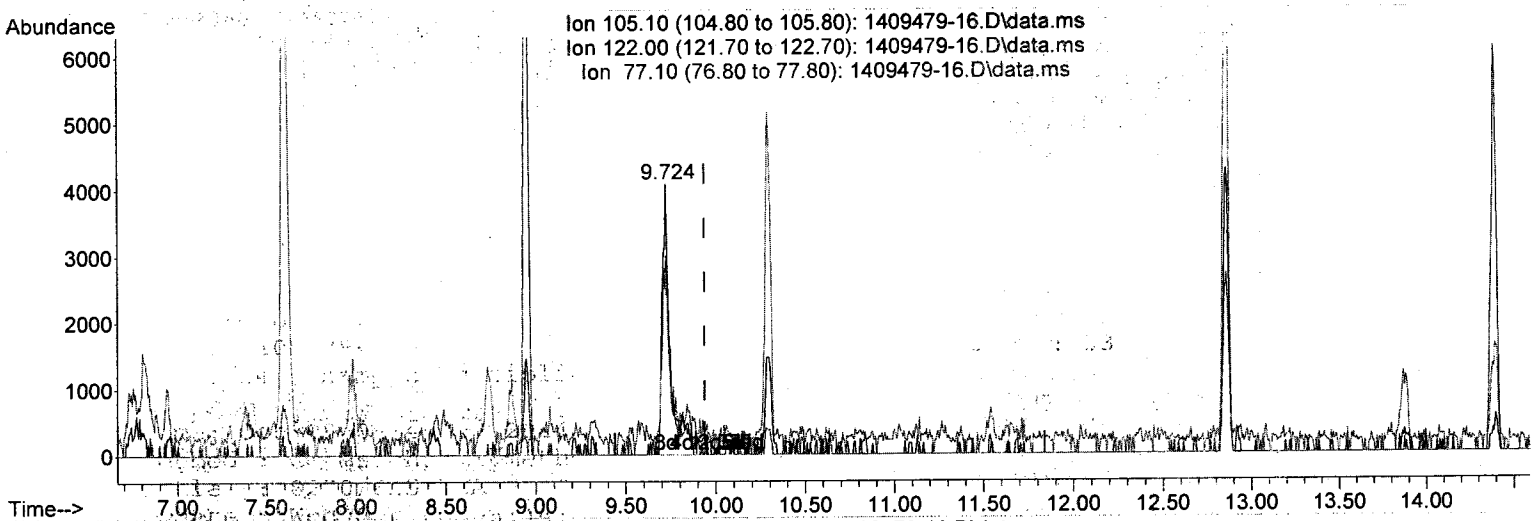
JWB 10/9/14

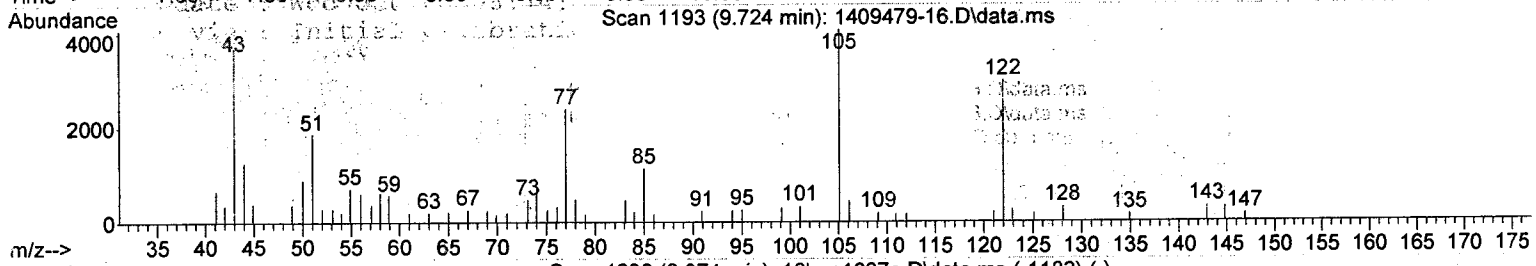
DWS 10-17-14

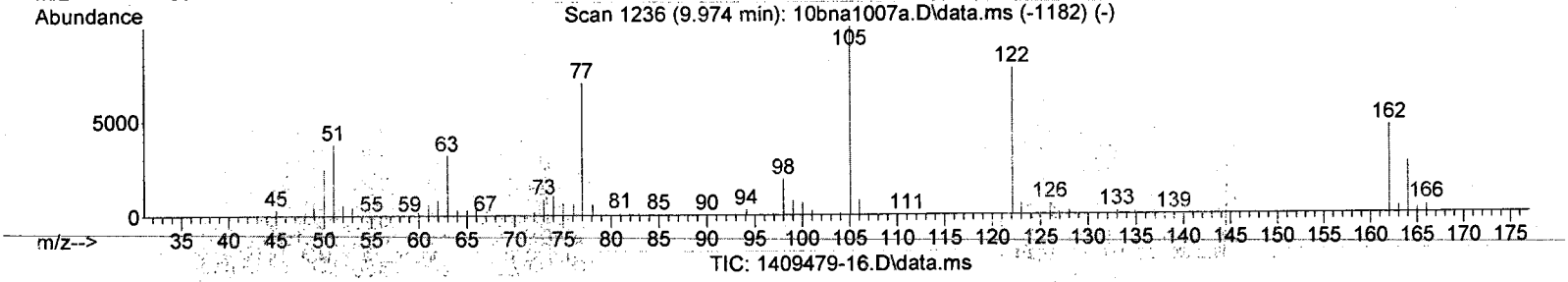
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 08:45:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-16.D\data.ms

(30) Benzoic Acid

9.724min (-0.216) 2.61 ng/uL m

response 14038

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.94#
77.10	74.70	0.00#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No

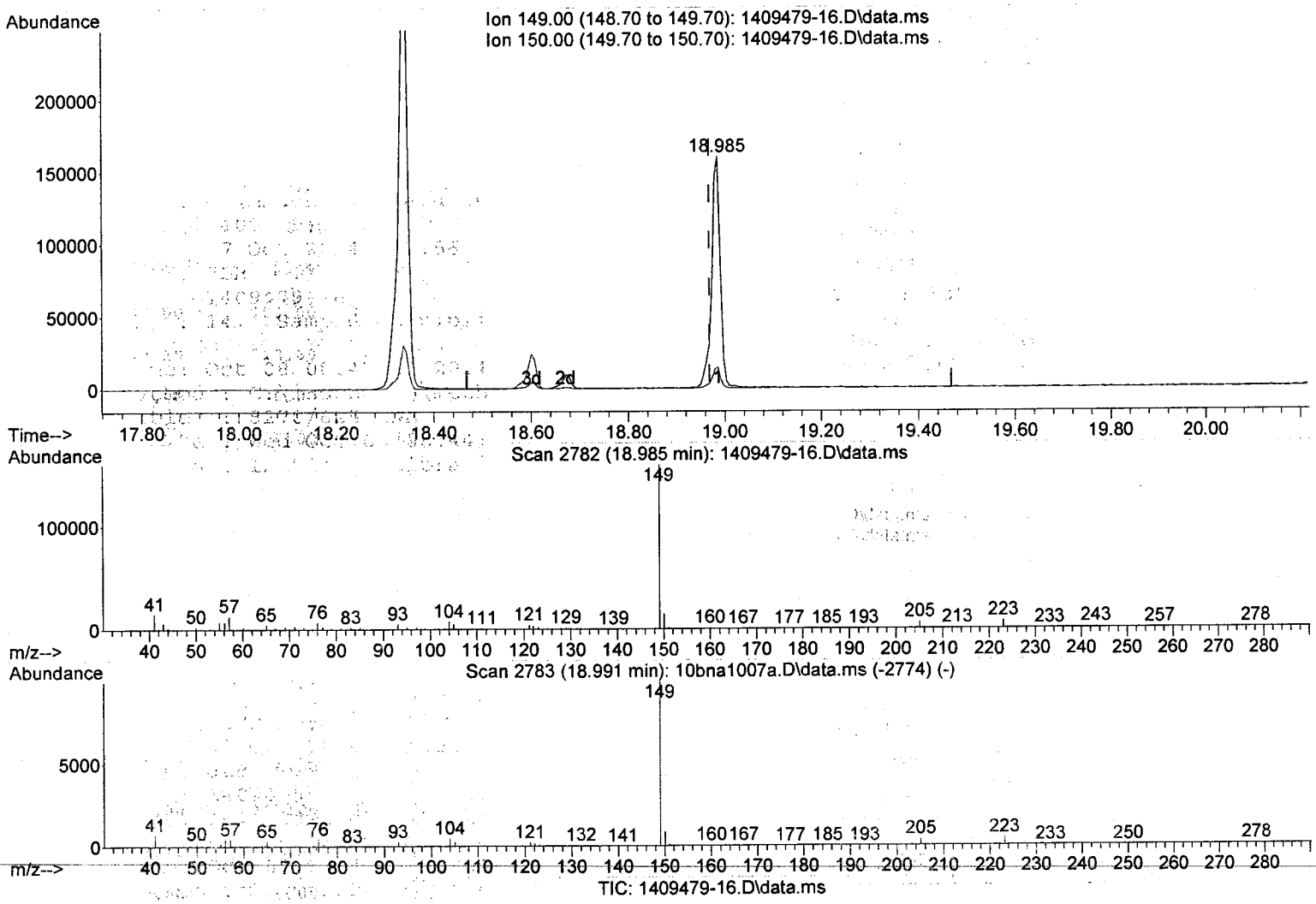
Analyst: JLB Date: 10/9/14

Reviewed By: DW Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 08:45:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-16.D\data.ms

(79) Di-n-butyl Phthalate

18.985min (+ 0.017) 0.60 ng/uL

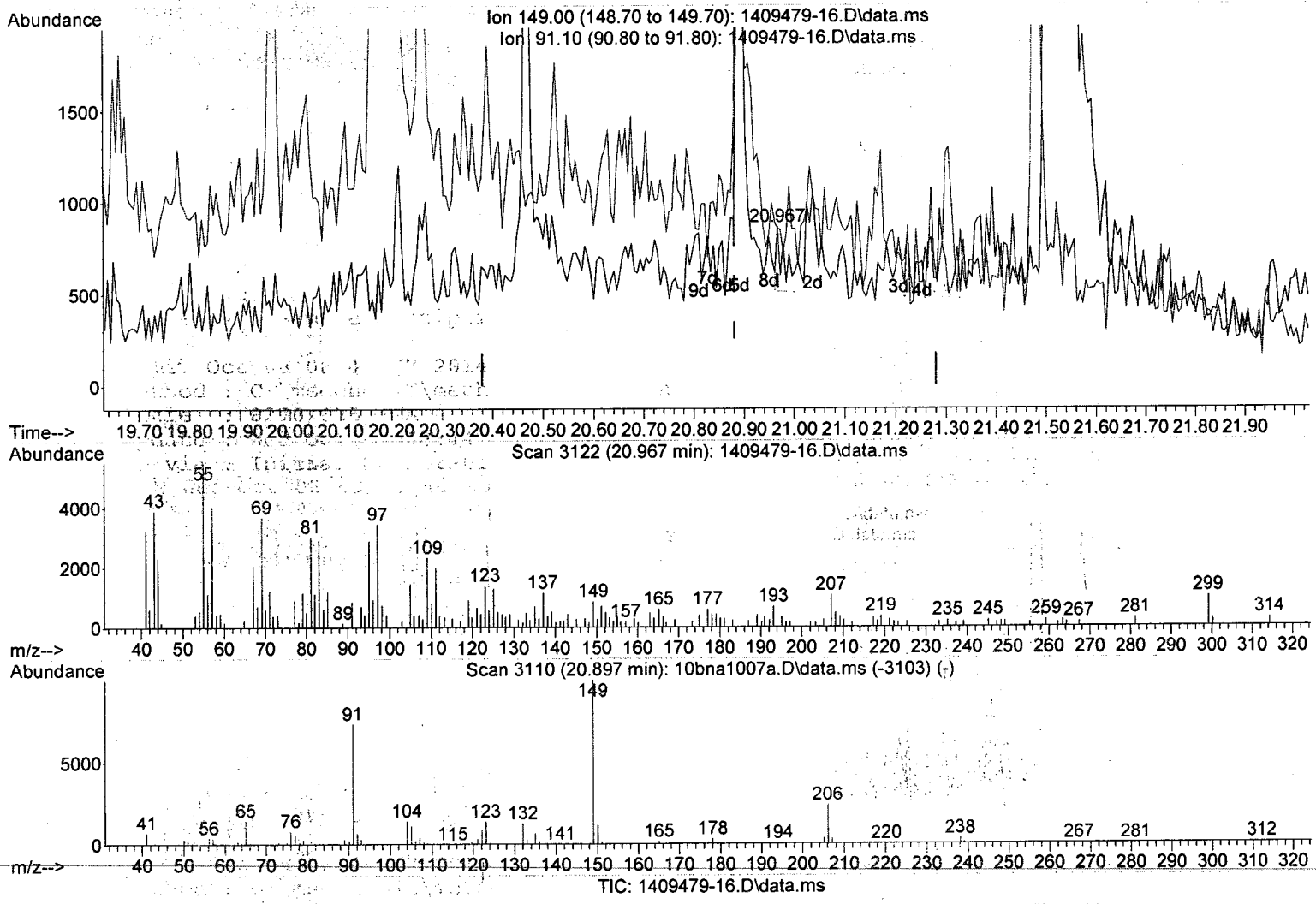
response 194225

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 08:45:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.967min (+ 0.087) 0.00 ng/uL

response 406

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	86.95
0.00	0.00	0.00
0.00	0.00	0.00

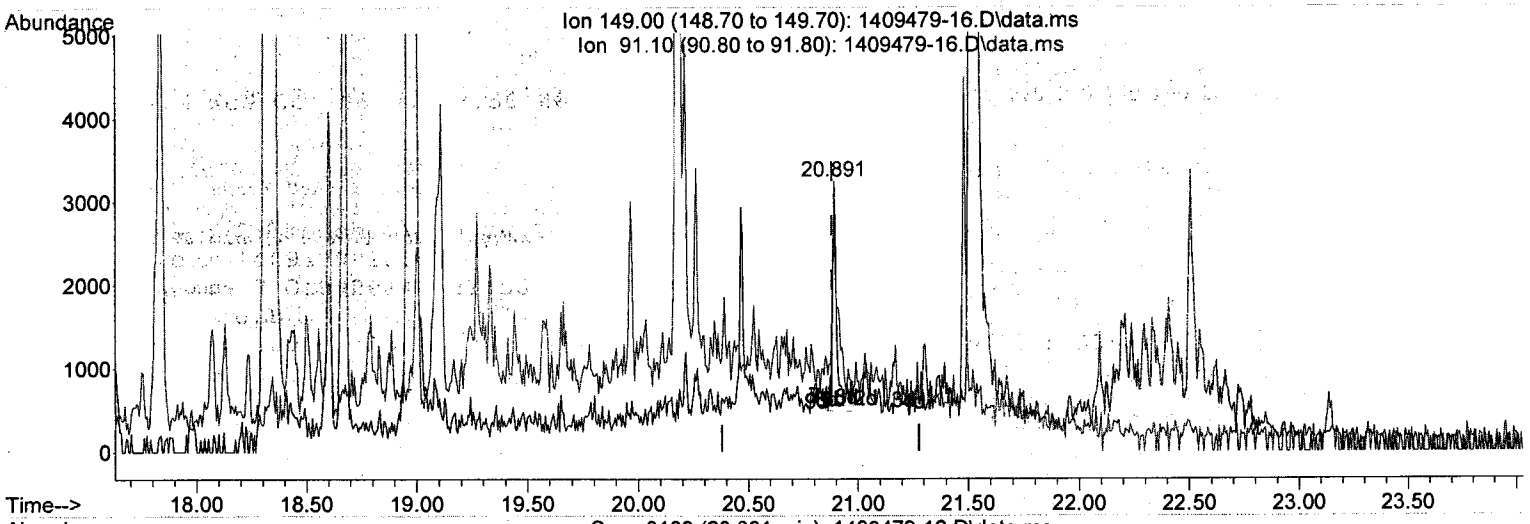
JWS 10/9/14

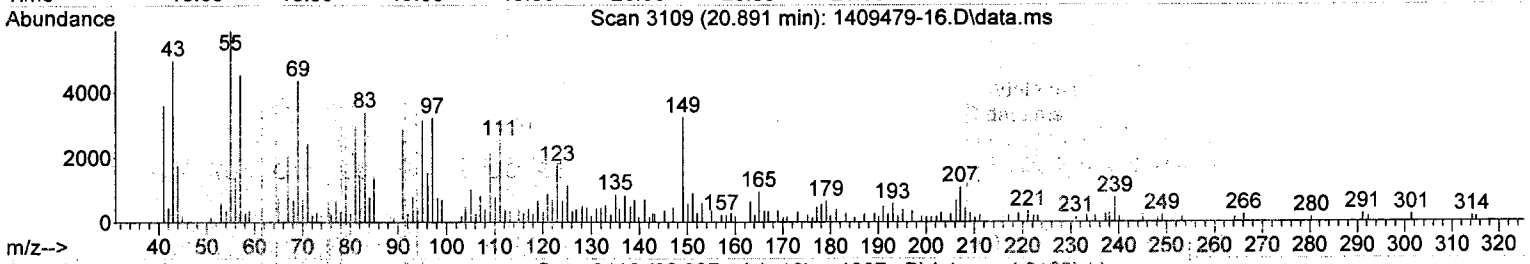
DWS 10-17-14

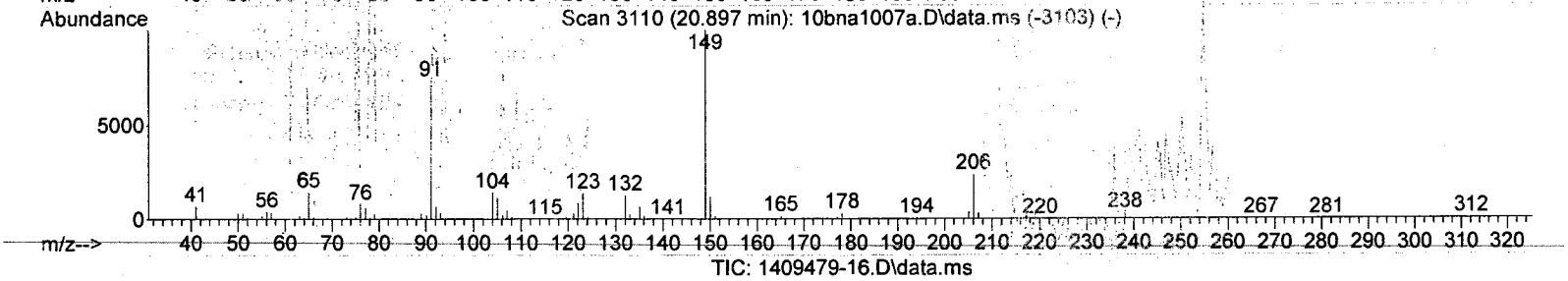
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 08:45:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







(83) Butyl Benzyl Phthalate

20.891min (+ 0.012) 0.03 ng/uL m

response 4091

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.25	8.63#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

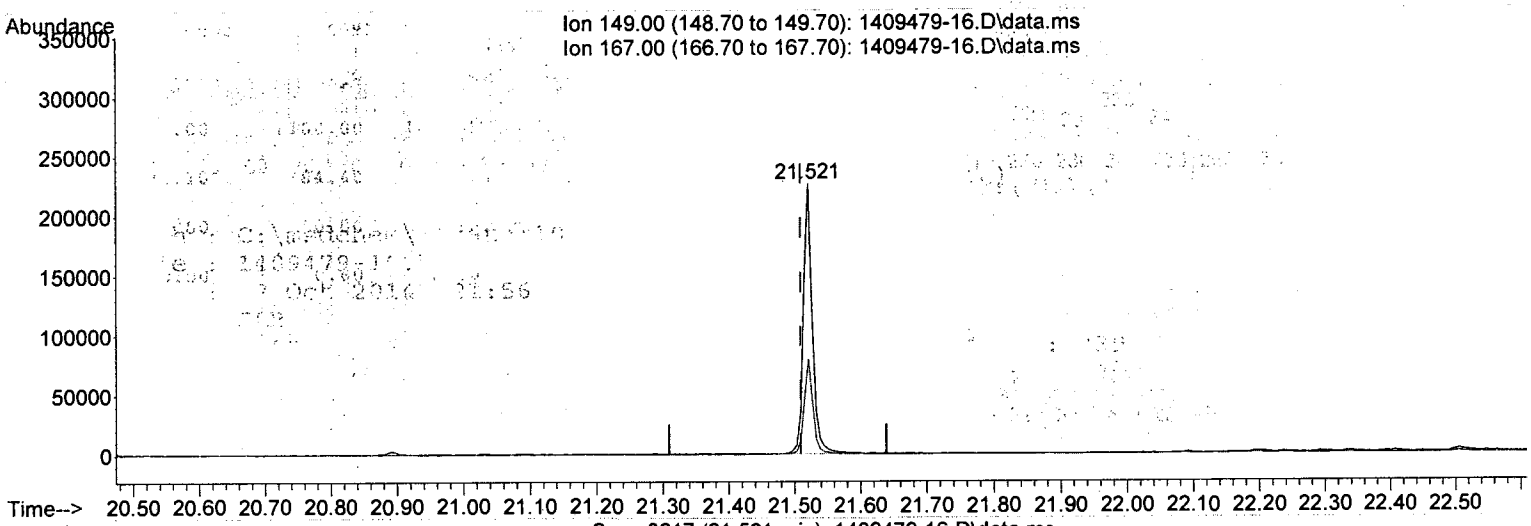
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/9/14
Reviewed By: DMR Date: 10-17-14

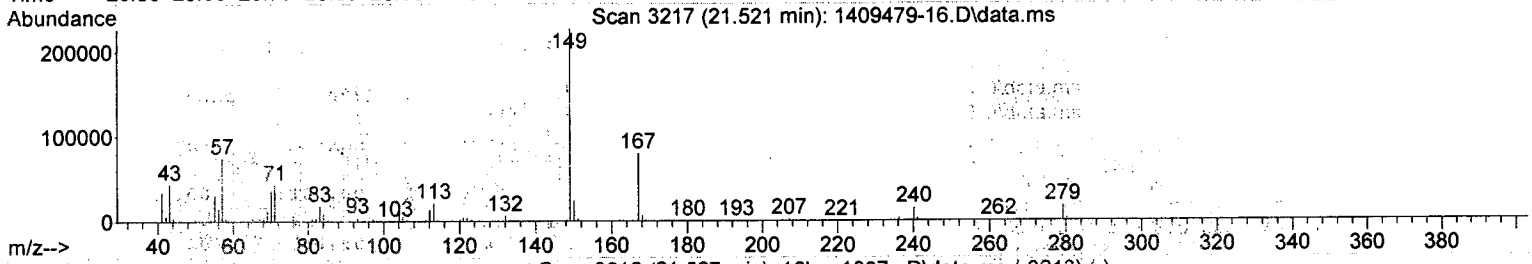
< MDL

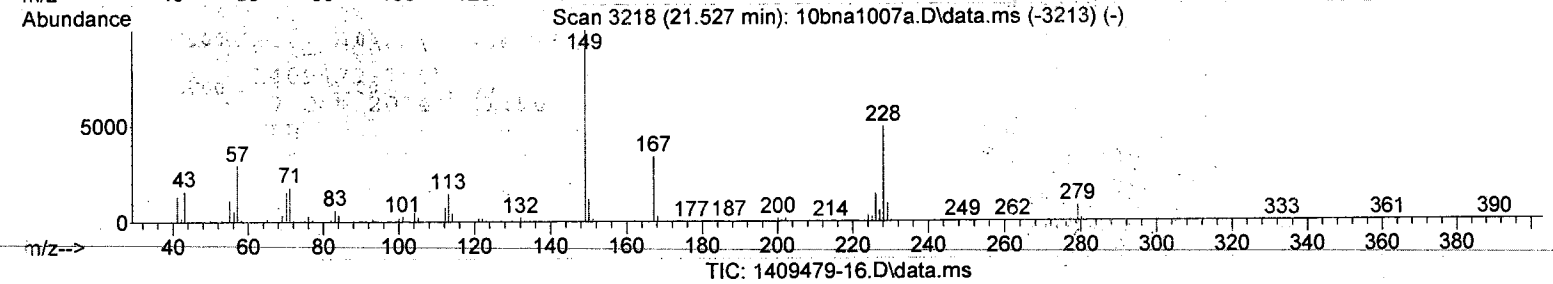
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 08:45:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-16.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.521min (+ 0.012) 1.22 ng/uL

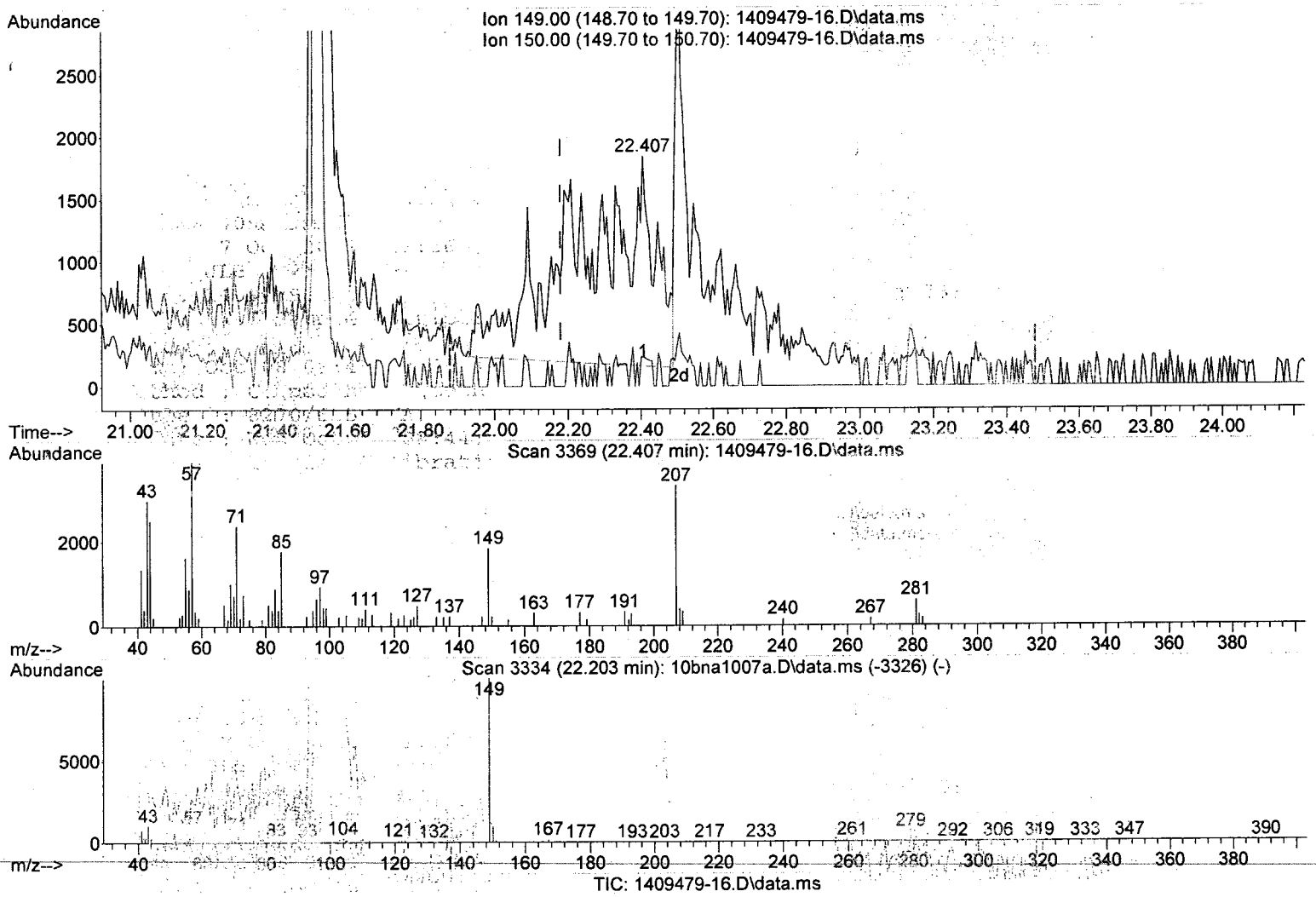
response 211406

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	35.99#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-16.D
Acq On : 7 Oct 2014 21:56
Operator : JLB
Sample : 1409479-16 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 08:45:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.407min (+ 0.227) 0.42 ng/uL

response 24144

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.88#
0.00	0.00	0.00
0.00	0.00	0.00

pp rt

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB05-12

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-17
File ID: 1409479-17 10x.D
Sampled: 09/25/14 12:40
Prepared: 10/01/14 07:29
Analyzed: 10/11/14 02:32
Solids: 97.17
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410496
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	170	48	170	170	U
208-96-8	Acenaphthylene	10	170	43	170	170	U
120-12-7	Anthracene	10	170	41	170	170	U
56-55-3	Benzo(a)anthracene	10	86	28	86	170	U
50-32-8	Benzo(a)pyrene	10	86	24	86	170	U
205-99-2	Benzo(b)fluoranthene	10	86	20	86	170	U
207-08-9	Benzo(k)fluoranthene	10	86	20	86	170	U
191-24-2	Benzo(g,h,i)perylene	10	86	19	86	340	U
65-85-0	Benzoic Acid	10	1700	710	1700	3400	U
100-51-6	Benzyl Alcohol	10	170	47	170	170	U
101-55-3	4-Bromophenyl Phenyl Ether	10	170	42	170	170	U
85-68-7	Butyl Benzyl Phthalate	10	54	41	170	340	J
86-74-8	Carbazole	10	170	41	170	1700	U
59-50-7	4-Chloro-3-methylphenol	10	170	51	170	170	U
106-47-8	4-Chloroaniline	10	170	91	170	690	U
111-91-1	Bis(2-chloroethoxy)methane	10	170	42	170	170	U
111-44-4	Bis(2-chloroethyl) Ether	10	170	41	170	170	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	86	38	86	170	U
91-58-7	2-Chloronaphthalene	10	170	51	170	170	U
95-57-8	2-Chlorophenol	10	170	41	170	170	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	170	39	170	170	U
218-01-9	Chrysene	10	170	40	170	170	U
53-70-3	Dibenz(a,h)anthracene	10	86	20	86	340	U
132-64-9	Dibenzofuran	10	170	50	170	170	U
84-74-2	Di-n-butyl Phthalate	10	340	140	340	690	U
106-46-7	1,4-Dichlorobenzene	10	170	50	170	170	U
95-50-1	1,2-Dichlorobenzene	10	170	56	170	170	U
541-73-1	1,3-Dichlorobenzene	10	170	58	170	170	U
91-94-1	3,3′-Dichlorobenzidine	10	6900	2900	6900	8600	U
120-83-2	2,4-Dichlorophenol	10	170	42	170	340	U
84-66-2	Diethyl Phthalate	10	170	50	170	170	U
105-67-9	2,4-Dimethylphenol	10	1400	370	1400	1700	U
131-11-3	Dimethyl Phthalate	10	170	49	170	170	U
534-52-1	4,6-Dinitro-2-methylphenol	10	690	220	690	1700	U
51-28-5	2,4-Dinitrophenol	10	1700	570	1700	1700	U
606-20-2	2,6-Dinitrotoluene	10	86	41	86	170	U
121-14-2	2,4-Dinitrotoluene	10	86	34	86	340	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB05-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-17 File ID: 1409479-17 10x.D

Sampled: 09/25/14 12:40 Prepared: 10/01/14 07:29 Analyzed: 10/11/14 02:32

Solids: 97.17 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	170	40	170	170	U
122-66-7	1,2-Diphenylhydrazine	10	86	35	86	170	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	250	120	170	340	JB
206-44-0	Fluoranthene	10	170	46	170	170	U
86-73-7	Fluorene	10	170	41	170	340	U
118-74-1	Hexachlorobenzene	10	170	49	170	170	U
87-68-3	Hexachlorobutadiene	10	170	47	170	170	U
67-72-1	Hexachloroethane	10	170	52	170	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	86	28	86	340	U
78-59-1	Isophorone	10	170	40	170	170	U
91-57-6	2-Methylnaphthalene	10	170	47	170	170	U
108-39-4	3+4-Methylphenol	10	86	38	86	170	U
95-48-7	2-Methylphenol	10	86	37	86	170	U
91-20-3	Naphthalene	10	170	58	170	170	U
100-01-6	4-Nitroaniline	10	690	250	690	3400	U
88-74-4	2-Nitroaniline	10	86	37	86	170	U
99-09-2	3-Nitroaniline	10	340	170	340	3400	U
98-95-3	Nitrobenzene	10	170	47	170	170	U
88-75-5	2-Nitrophenol	10	170	46	170	170	U
100-02-7	4-Nitrophenol	10	3400	1000	3400	6900	U
62-75-9	N-Nitroso-dimethylamine	10	69	34	69	340	U
86-30-6	N-Nitroso-diphenylamine	10	86	35	86	170	U
621-64-7	N-Nitroso-di-n-propylamine	10	170	42	170	170	U
87-86-5	Pentachlorophenol	10	170	140	170	1700	U
85-01-8	Phenanthrene	10	170	42	170	170	U
108-95-2	Phenol	10	170	40	170	1700	U
129-00-0	Pyrene	10	170	44	170	170	U
120-82-1	1,2,4-Trichlorobenzene	10	170	46	170	170	U
95-95-4	2,4,5-Trichlorophenol	10	170	46	170	170	U
88-06-2	2,4,6-Trichlorophenol	10	86	26	86	170	U

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	489660	7.435	403279	7.614	
Naphthalene-d8	1869419	10.169	1529030	10.359	
Acenaphthene-d10	988924	14.267	866604	14.474	
Phenanthrene-d10	1387818	17.723	1400442	17.901	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB05-12

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-17
File ID: 1409479-17 10x.D
Sampled: 09/25/14 12:40
Prepared: 10/01/14 07:29
Analyzed: 10/11/14 02:32
Solids: 97.17
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410496
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

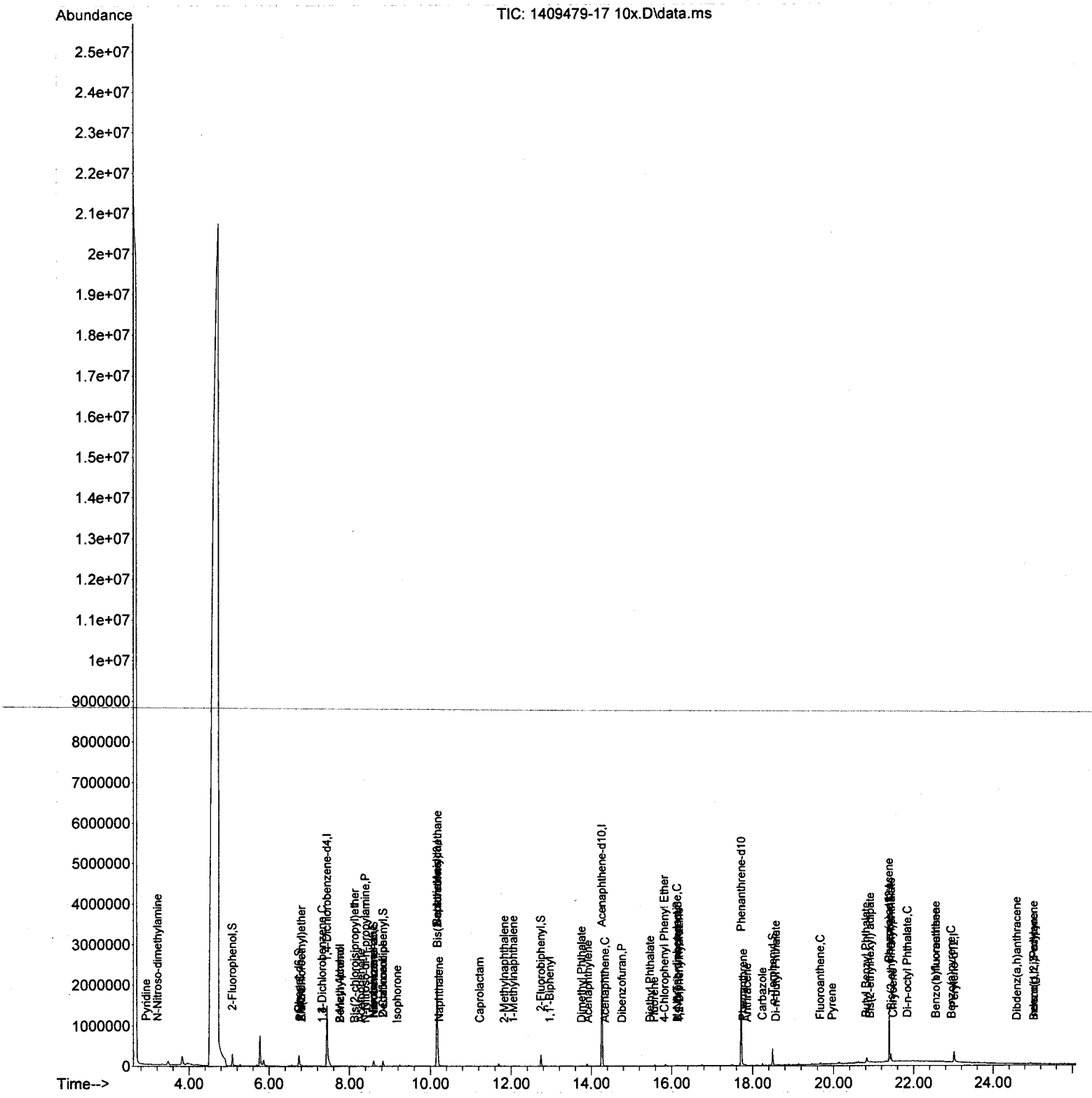
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chrysene-d12	617749	21.395	1153654	21.538	
Perylene-d12	172636	23.015	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409479-17 10x.D
Acq On : 11 Oct 2014 2:32
Operator : JLB
Sample : 1409479-17 10x Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 15 09:25:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409479-17 10x.D
Acq On : 11 Oct 2014 2:32
Operator : JLB
Sample : 1409479-17 10x Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 15 09:25:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.435	152	489660	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.169	136	1869419	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.267	164	988924	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.723	188	1387818	5.00	ng/uL	0.00
81) Chrysene-d12	21.395	240	617749 low	5.00	ng/uL	# 0.00
89) Perylene-d12	23.015	264	172636 low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.081	112	153511	1.37	ng/uL	0.08
6) Phenol-d6	6.742	99	220755	1.52	ng/uL	0.00
21) Nitrobenzene-d5	8.595	82	87223	0.73	ng/uL	-0.01
23) Decafluorobiphenyl	8.829	334	59389	0.71	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.740	172	167165	0.82	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.149	330	3290	0.16	ng/uL	0.00
78) o-Terphenyl	18.498	230	99297	0.83	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.210	74	139	0.00	ng/uL#	1
3) Pyridine	2.930	79	953	0.01	ng/uL#	34
5) Aniline	6.800	93	166	0.22	ng/uL#	1
7) Phenol	6.771	94	2922	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.800	93	166	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.313	146	176	0.00	ng/uL	90
11) 1,4-Dichlorobenzene	7.313	146	176	0.00	ng/uL#	87
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.129	45	196	0.00	ng/uL#	51
14) Benzyl Alcohol	7.762	108	455	0.01	ng/uL#	67
15) 2-Methylphenol	7.762	108	455	0.00	ng/uL#	80
16) Acetophenone	8.286	105	181	0.00	ng/uL#	1
17) Hexachloroethane	8.590	119	300	0.01	ng/uL#	3
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.397	70	193	0.00	ng/uL#	1
22) Nitrobenzene	8.601	77	277	0.00	ng/uL#	1
24) Isophorone	9.178	82	222	0.00	ng/uL#	58
25) 2-Chloroaniline	8.829	127	851	0.01	ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	10.175	93	1073	0.01	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	10.163	105	2968	RJ 2.48	ng/uL#	1
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.216	128	1336	0.00	ng/uL#	74
33) 4-Chloroaniline	0.000		0	N.D.		
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.224	55	811	0.02	ng/uL#	21
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 2-Methylnaphthalene	11.824	142	921	0.00	ng/uL#	89
40) 1-Methylnaphthalene	12.052	142	655	0.00	ng/uL#	85
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409479-17 10x.D
Acq On : 11 Oct 2014 2:32
Operator : JLB
Sample : 1409479-17 10x Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 15 09:25:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	0.000		0	N.D.		
49) 1,1'-Biphenyl	12.955	154	129	0.00	ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	13.923	152	116	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.		
53) Dimethyl Phthalate	13.760	163	964	0.00	ng/uL#	69
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.342	153	123	0.00	ng/uL#	4
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.762	168	311	0.00	ng/uL#	37
58) 4-Nitrophenol	0.000		0	N.D.		
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.572	166	64	0.00	ng/uL#	1
63) Diethyl Phthalate	15.467	149	2854	0.01	ng/uL#	80
64) 4-Chlorophenyl Phenyl ...	15.823	204	83	0.00	ng/uL#	16
65) 4-Nitroaniline	0.000		0	N.D.		
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
68) N-Nitroso-diphenylamine	16.138	169	127	0.00	ng/uL#	26
69) 1,2-Diphenylhydrazine	16.190	182	52	0.00	ng/uL	79
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	0.000		0	N.D.		
75) Phenanthrene	17.764	178	4842	0.02	ng/uL	98
76) Anthracene	17.863	178	666	0.00	ng/uL#	78
77) Carbazole	18.242	167	1049	0.00	ng/uL#	65
79) Di-n-butyl Phthalate	18.580	149	1436	0.01	ng/uL	97
80) Fluoroanthene	19.670	202	4664	0.02	ng/uL#	89
82) Pyrene	19.961	202	6867	0.05	ng/uL#	80
83) Butyl Benzyl Phthalate	20.806	149	8605	0.15	ng/uL	91
84) Bis(2-ethylhexyl) adipate	20.911	129	570	0.08	ng/uL#	100
85) Benzo(a)anthracene	21.389	228	5464	0.05	ng/uL#	40
86) Chrysene	21.482	228	297	0.00	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.436	149	52481	0.71	ng/uL	92
88) Di-n-octyl Phthalate	21.844	149	1032	0.35	ng/uL	96
90) Benzo(b)fluoroanthene	22.555	252	1524	0.05	ng/uL#	73
91) Benzo(k)fluoranthene	22.555	252	1524	0.04	ng/uL#	42
92) Benzo(a)pyrene	22.940	252	863	0.03	ng/uL#	1
93) Indeno(1,2,3-cd)pyrene	25.026	276	805	0.03	ng/uL#	15
94) Dibdenz(a,h)anthracene	24.595	278	284	0.01	ng/uL#	1
95) Benzo(g,h,i)Perylene	25.026	276	805	0.04	ng/uL#	8

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409479-17 10x.D
Acq On : 11 Oct 2014 2:32
Operator : JLB
Sample : 1409479-17 10x Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 15 08:53:19 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

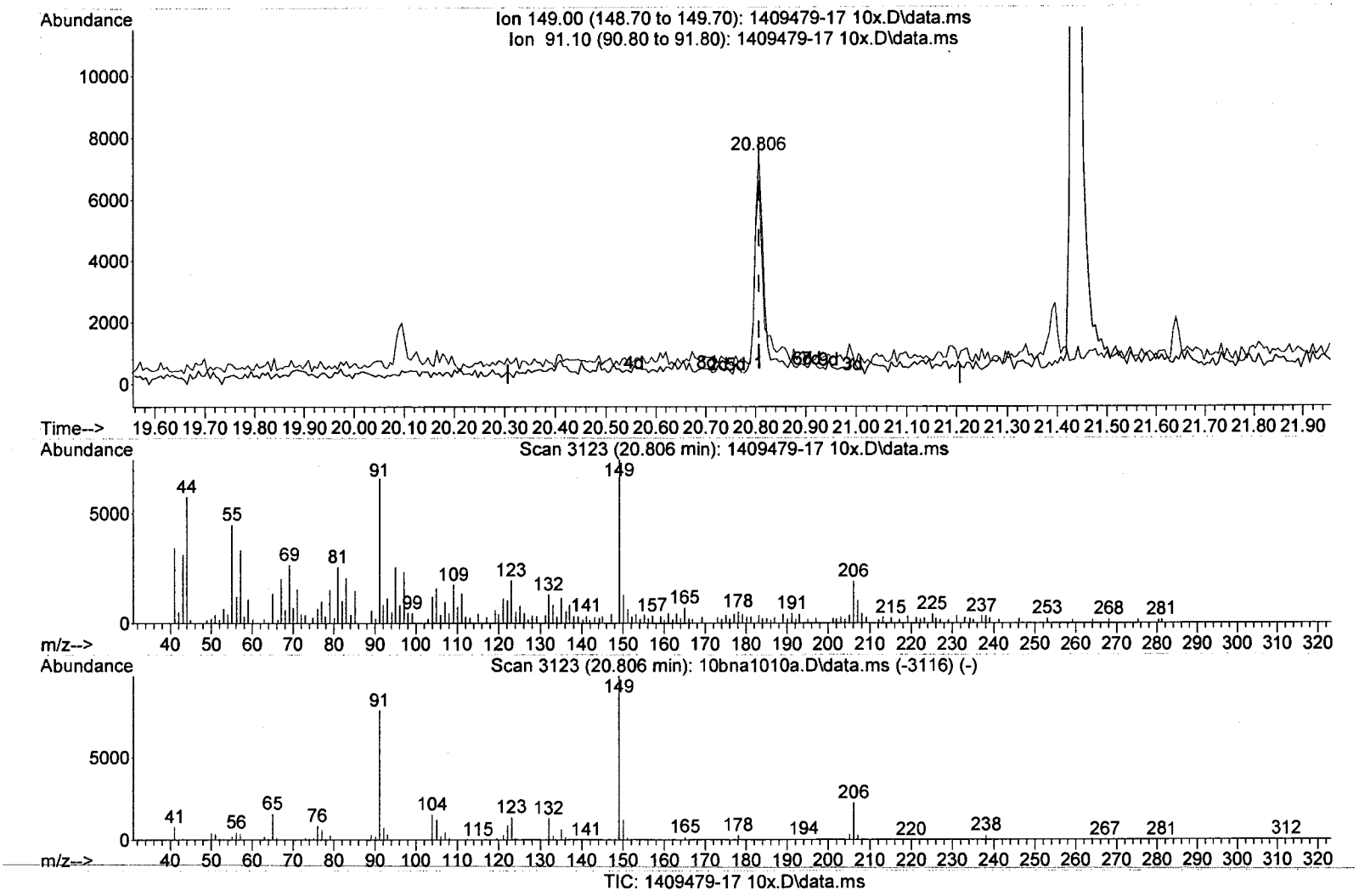
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.435	152	473351	5.00	ng/uL	#	0.01
8) Naphthalene-d8	10.169	136	1869419	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.267	164	982269	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.723	188	1393244	5.00	ng/uL		0.00
19) Chrysene-d12	21.395	240	617749	5.00	ng/uL	#	0.00
22) Perylene-d12	23.015	264	172636	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.210	74	139	0.00	ng/uL	#	1
3) Pyridine	3.285	79	293	0.00	ng/uL		95
4) Aniline	6.800	93	166	0.00	ng/uL	#	1
5) Benzaldehyde	6.596	105	1213	0.01	ng/uL	#	1
6) Acetophenone	8.286	105	181	0.00	ng/uL	#	1
7) N-Nitroso-di-n-propyla...	8.397	70	193	0.00	ng/uL	#	1
9) 4-Chloroaniline	0.000		0	N.D.			
10) Caprolactam	11.119	55	435	0.10	ng/uL	#	21
12) 1,1'-Biphenyl	12.955	154	129	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.138	169	127	0.00	ng/uL	#	26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.856	184	114	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.028	252	125	0.00	ng/uL		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409479-17 10x.D
Acq On : 11 Oct 2014 2:32
Operator : JLB
Sample : 1409479-17 10x Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 15 09:25:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1409479-17 10x.D\data.ms

(83) Butyl Benzyl Phthalate

20.806min (-0.000) 0.15 ng/uL

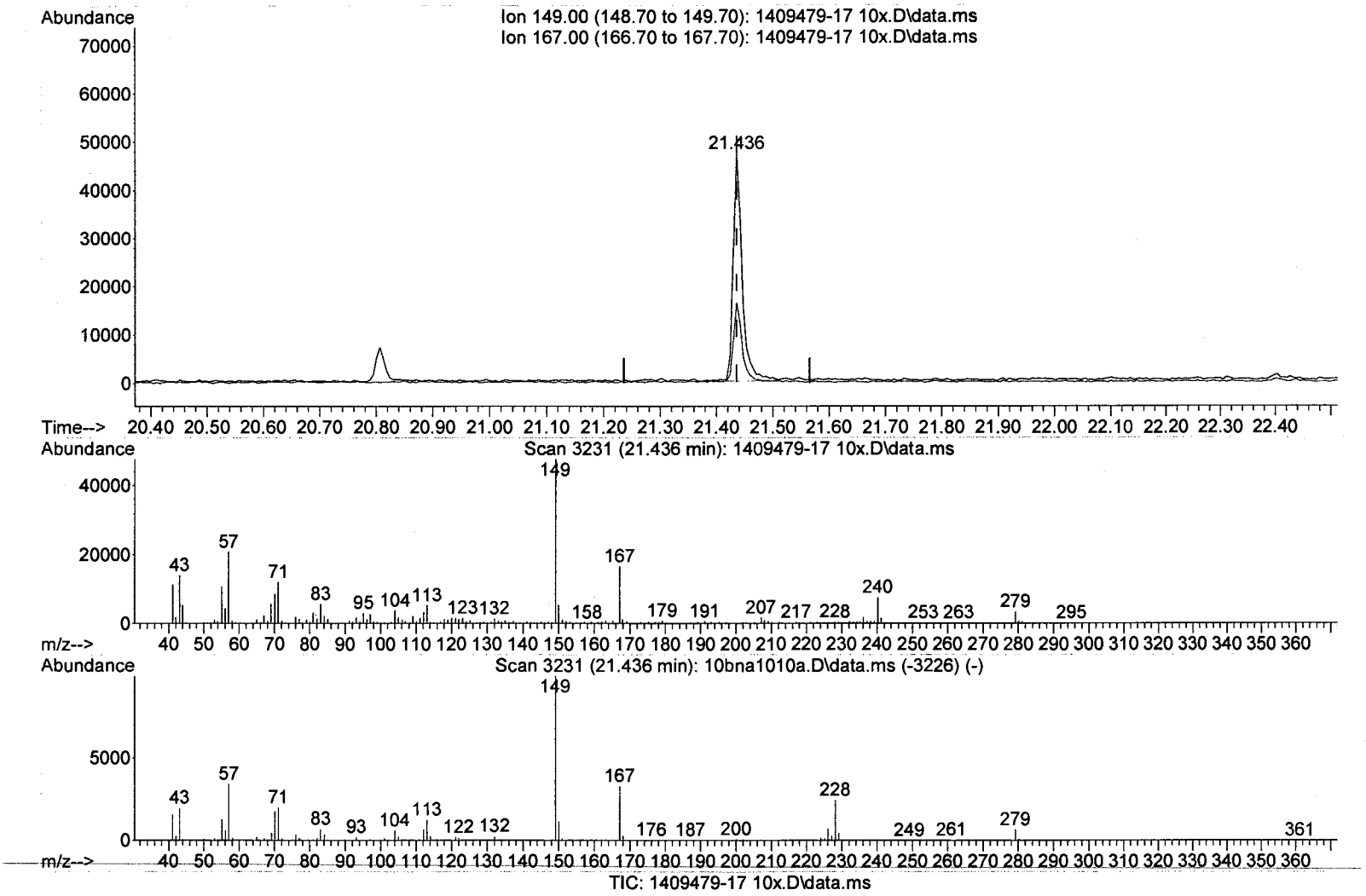
response 8605

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	76.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409479-17 10x.D
Acq On : 11 Oct 2014 2:32
Operator : JLB
Sample : 1409479-17 10x Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 15 09:25:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1409479-17 10x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.436min (-0.000) 0.71 ng/uL

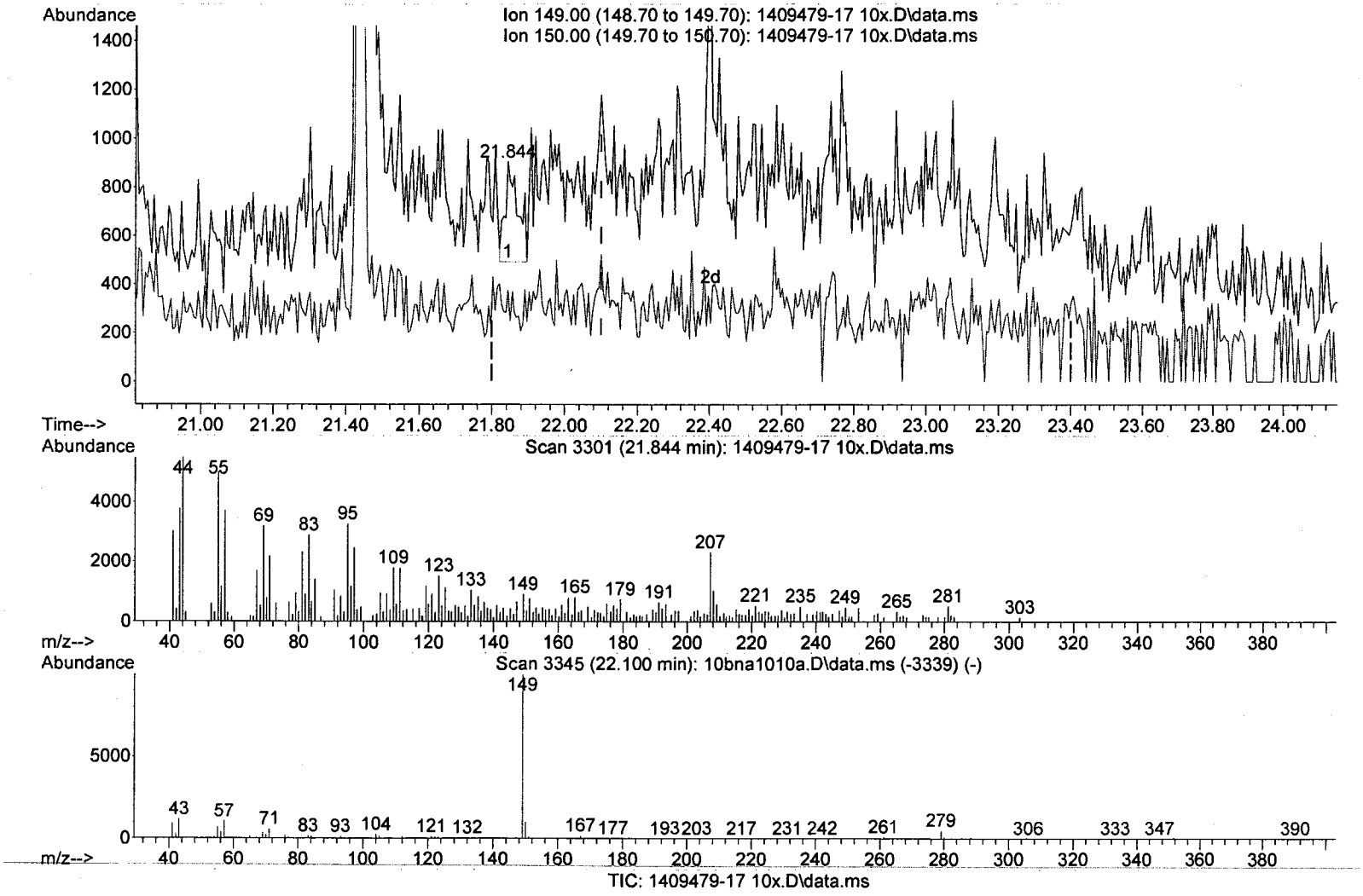
response 52481

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409479-17 10x.D
Acq On : 11 Oct 2014 2:32
Operator : JLB
Sample : 1409479-17 10x Inst : 339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 15 09:25:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1409479-17 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

21.844min (-0.256) 0.35 ng/uL

response 1032

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	8.14
0.00	0.00	0.00
0.00	0.00	0.00

002025

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB05-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-17RE1 File ID: 1409479-17 40x.D

Sampled: 09/25/14 12:40 Prepared: 10/01/14 07:29 Analyzed: 10/17/14 12:08

Solids: 97.17 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J17060 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	40	690	190	690	690	U
208-96-8	Acenaphthylene	40	690	170	690	690	U
120-12-7	Anthracene	40	690	170	690	690	U
56-55-3	Benzo(a)anthracene	40	340	110	340	690	U
50-32-8	Benzo(a)pyrene	40	340	95	340	690	U
205-99-2	Benzo(b)fluoranthene	40	340	79	340	690	U
207-08-9	Benzo(k)fluoranthene	40	86	80	340	690	J
191-24-2	Benzo(g,h,i)perylene	40	340	78	340	1400	U
65-85-0	Benzoic Acid	40	6900	2800	6900	14000	U
100-51-6	Benzyl Alcohol	40	690	190	690	690	U
101-55-3	4-Bromophenyl Phenyl Ether	40	690	170	690	690	U
85-68-7	Butyl Benzyl Phthalate	40	160	160	690	1400	J
86-74-8	Carbazole	40	690	170	690	6900	U
59-50-7	4-Chloro-3-methylphenol	40	690	210	690	690	U
106-47-8	4-Chloroaniline	40	690	360	690	2700	U
111-91-1	Bis(2-chloroethoxy)methane	40	690	170	690	690	U
111-44-4	Bis(2-chloroethyl) Ether	40	690	160	690	690	U
108-60-1	Bis(2-chloroisopropyl) Ether	40	340	150	340	690	U
91-58-7	2-Chloronaphthalene	40	690	200	690	690	U
95-57-8	2-Chlorophenol	40	690	160	690	690	U
7005-72-3	4-Chlorophenyl Phenyl Ether	40	690	160	690	690	U
218-01-9	Chrysene	40	690	160	690	690	U
53-70-3	Dibenz(a,h)anthracene	40	340	79	340	1400	U
132-64-9	Dibenzofuran	40	690	200	690	690	U
84-74-2	Di-n-butyl Phthalate	40	1400	560	1400	2700	U
106-46-7	1,4-Dichlorobenzene	40	690	200	690	690	U
95-50-1	1,2-Dichlorobenzene	40	690	230	690	690	U
541-73-1	1,3-Dichlorobenzene	40	690	230	690	690	U
91-94-1	3,3´-Dichlorobenzidine	40	27000	11000	27000	34000	U
120-83-2	2,4-Dichlorophenol	40	690	170	690	1400	U
84-66-2	Diethyl Phthalate	40	690	200	690	690	U
105-67-9	2,4-Dimethylphenol	40	5500	1500	5500	6900	U
131-11-3	Dimethyl Phthalate	40	690	190	690	690	U
534-52-1	4,6-Dinitro-2-methylphenol	40	2700	880	2700	6900	U
51-28-5	2,4-Dinitrophenol	40	6900	2300	6900	6900	U
606-20-2	2,6-Dinitrotoluene	40	340	170	340	690	U
121-14-2	2,4-Dinitrotoluene	40	340	140	340	1400	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB05-12

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-17RE1 File ID: 1409479-17 40x.D

Sampled: 09/25/14 12:40 Prepared: 10/01/14 07:29 Analyzed: 10/17/14 12:08

Solids: 97.17 Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410496 Sequence: 4J17060 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	40	690	160	690	690	U
122-66-7	1,2-Diphenylhydrazine	40	340	140	340	690	U
117-81-7	Bis(2-ethylhexyl) Phthalate	40	690	470	690	1400	U
206-44-0	Fluoranthene	40	690	180	690	690	U
86-73-7	Fluorene	40	690	170	690	1400	U
118-74-1	Hexachlorobenzene	40	690	200	690	690	U
87-68-3	Hexachlorobutadiene	40	690	190	690	690	U
67-72-1	Hexachloroethane	40	690	210	690	690	U
193-39-5	Indeno(1,2,3-cd)pyrene	40	130	110	340	1400	J
78-59-1	Isophorone	40	690	160	690	690	U
91-57-6	2-Methylnaphthalene	40	690	190	690	690	U
108-39-4	3+4-Methylphenol	40	340	150	340	690	U
95-48-7	2-Methylphenol	40	340	150	340	690	U
91-20-3	Naphthalene	40	690	230	690	690	U
100-01-6	4-Nitroaniline	40	2800	1000	2800	14000	U
88-74-4	2-Nitroaniline	40	340	150	340	690	U
99-09-2	3-Nitroaniline	40	1400	680	1400	14000	U
98-95-3	Nitrobenzene	40	690	190	690	690	U
88-75-5	2-Nitrophenol	40	690	180	690	690	U
100-02-7	4-Nitrophenol	40	14000	4200	14000	27000	U
62-75-9	N-Nitroso-dimethylamine	40	270	140	270	1400	U
86-30-6	N-Nitroso-diphenylamine	40	340	140	340	690	U
621-64-7	N-Nitroso-di-n-propylamine	40	690	170	690	690	U
87-86-5	Pentachlorophenol	40	690	540	690	6900	U
85-01-8	Phenanthrene	40	690	170	690	690	U
108-95-2	Phenol	40	690	160	690	6900	U
129-00-0	Pyrene	40	690	180	690	690	U
120-82-1	1,2,4-Trichlorobenzene	40	690	180	690	690	U
95-95-4	2,4,5-Trichlorophenol	40	690	180	690	690	U
88-06-2	2,4,6-Trichlorophenol	40	340	100	340	690	U

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	470423	7.544	403279	7.614	
Naphthalene-d8	1970453	10.289	1529030	10.359	
Acenaphthene-d10	1064516	14.398	866604	14.474	
Phenanthrene-d10	1535813	17.831	1400442	17.901	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB05-12

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-17RE1
File ID: 1409479-17 40x.D
Sampled: 09/25/14 12:40
Prepared: 10/01/14 07:29
Analyzed: 10/17/14 12:08
Solids: 97.17
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410496
Sequence: 4J17060
Calibration: 4J06006
Instrument: 339

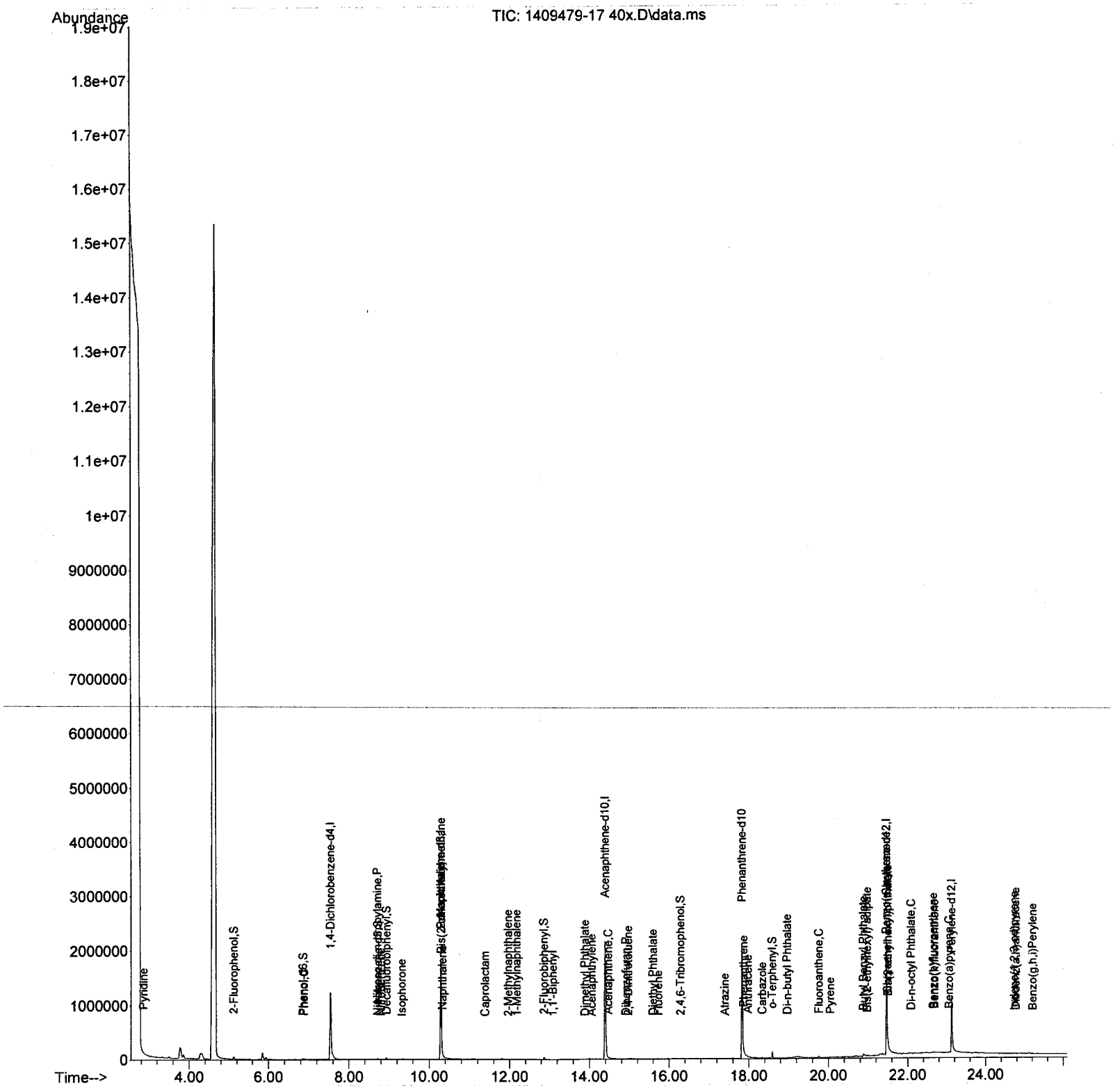
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chrysene-d12	1320967	21.468	1153654	21.538	
Perylene-d12	795801	23.129	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409479-17 40x.D
Acq On : 17 Oct 2014 12:08
Operator : JLB
Sample : 1409479-17 40x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:43:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409479-17 40x.D
Acq On : 17 Oct 2014 12:08
Operator : JLB
Sample : 1409479-17 40x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:43:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.544	152	470423	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.289	136	1970453	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	1064516	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.831	188	1535813	5.00	ng/uL	-0.01
81) Chrysene-d12	21.468	240	1320967	5.00	ng/uL	#-0.01
89) Perylene-d12	23.129	264	795801	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.119	112	35356	0.33	ng/uL	0.02
6) Phenol-d6	6.862	99	35752	0.26	ng/uL	0.00
21) Nitrobenzene-d5	8.721	82	18129	0.14	ng/uL	0.00
23) Decafluorobiphenyl	8.937	334	15855	0.18	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.871	172	42348	0.19	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.292	330	428	0.02	ng/uL	0.00
78) o-Terphenyl	18.595	230	32801	0.25	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.		
3) Pyridine	2.857	79	181	0.00	ng/uL	89
5) Aniline	0.000		0	N.D.		
7) Phenol	6.885	94	120	0.00	ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	0.000		0	N.D.		
14) Benzyl Alcohol	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
16) Acetophenone	0.000		0	N.D.		
17) Hexachloroethane	0.000		0	N.D.		
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.715	70	1424	0.02	ng/uL#	20
22) Nitrobenzene	8.797	77	62	0.00	ng/uL#	1
24) Isophorone	9.321	82	161	0.00	ng/uL#	58
25) 2-Chloroaniline	0.000		0	N.D.		
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	10.301	93	798	0.01	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	10.295	105	2916	~~2.48~~	ng/uL#	1
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.330	128	1189	0.00	ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.		
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.385	55	1061	0.02	ng/uL#	21
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 2-Methylnaphthalene	11.962	142	401	0.00	ng/uL#	76
40) 1-Methylnaphthalene	12.177	142	1043	0.00	ng/uL#	90
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409479-17 40x.D
Acq On : 17 Oct 2014 12:08
Operator : JLB
Sample : 1409479-17 40x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:43:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	0.000		0	N.D.	
49) 1,1'-Biphenyl	13.087	154	58	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.060	152	62	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.891	163	708	0.00 ng/uL	100
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.474	153	1102	0.00 ng/uL#	88
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.911	168	70	0.00 ng/uL#	37
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	14.969	165	54	0.00 ng/uL#	17
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.733	166	231	0.00 ng/uL#	37
63) Diethyl Phthalate	15.593	149	1058	0.00 ng/uL#	68
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.	
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	0.000		0	N.D.	
69) 1,2-Diphenylhydrazine	0.000		0	N.D.	
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.400	200	56	0.00 ng/uL#	25
74) Pentachlorophenol	0.000		0	N.D.	
75) Phenanthrene	17.872	178	5204	0.02 ng/uL	99
76) Anthracene	17.977	178	1666	0.01 ng/uL#	78
77) Carbazole	18.338	167	696	0.00 ng/uL#	60
79) Di-n-butyl Phthalate	18.974	149	5527	0.02 ng/uL#	90
80) Fluoroanthene	19.760	202	3799	0.01 ng/uL#	45
82) Pyrene	20.052	202	4845	0.02 ng/uL	96
83) Butyl Benzyl Phthalate	20.879	149	13080	0.11 ng/uL	93
84) Bis(2-ethylhexyl) adipate	20.979	129	1649	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.462	228	5928	0.02 ng/uL#	1
86) Chrysene	21.491	228	2971	0.01 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.503	149	21886	0.14 ng/uL	96
88) Di-n-octyl Phthalate	22.092	149	1604	pp 0.35 ng/uL	97
90) Benzo(b)fluoroanthene	22.651	252	4841	0.03 ng/uL#	79
91) Benzo(k)fluoranthene	22.686	252	10135	0.06 ng/uL#	85
92) Benzo(a)pyrene	23.059	252	6980	0.05 ng/uL#	87
93) Indeno(1,2,3-cd)pyrene	24.738	276	10305	0.09 ng/uL#	80
94) Dibdenz(a,h)anthracene	24.779	278	3796	0.04 ng/uL#	90
95) Benzo(g,h,i)Perylene	25.210	276	5472	0.05 ng/uL	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409479-17 40x.D
Acq On : 17 Oct 2014 12:08
Operator : JLB
Sample : 1409479-17 40x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:42:59 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 11:49:49 2014
Response via : Initial Calibration

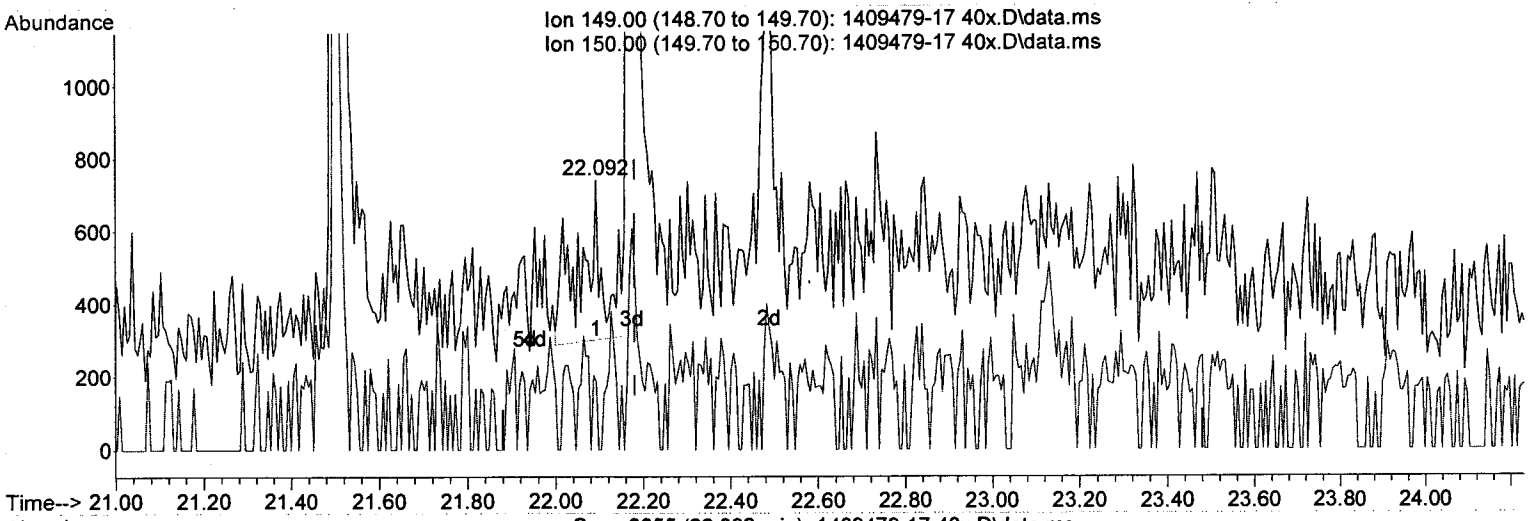
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.544	152	450750	5.00	ng/uL	#-0.03
8) Naphthalene-d8	10.289	136	1970453	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.398	164	1014255	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.831	188	1730176	5.00	ng/uL	0.00
19) Chrysene-d12	21.468	240	1320967	5.00	ng/uL	# 0.00
22) Perylene-d12	23.129	264	810920	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.		
3) Pyridine	2.857	79	181	0.00	ng/uL	89
4) Aniline	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.		
6) Acetophenone	0.000		0	N.D.		
7) N-Nitroso-di-n-propyla...	8.826	70	260	0.00	ng/uL	100
9) 4-Chloroaniline	0.000		0	N.D.		
10) Caprolactam	11.332	55	190	0.10	ng/uL#	21
12) 1,1'-Biphenyl	13.087	154	58	0.00	ng/uL#	40
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	0.000		0	N.D.		
18) Atrazine	0.000		0	N.D.		
20) Benzidine	20.157	184	101	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.072	252	118	0.00	ng/uL#	19

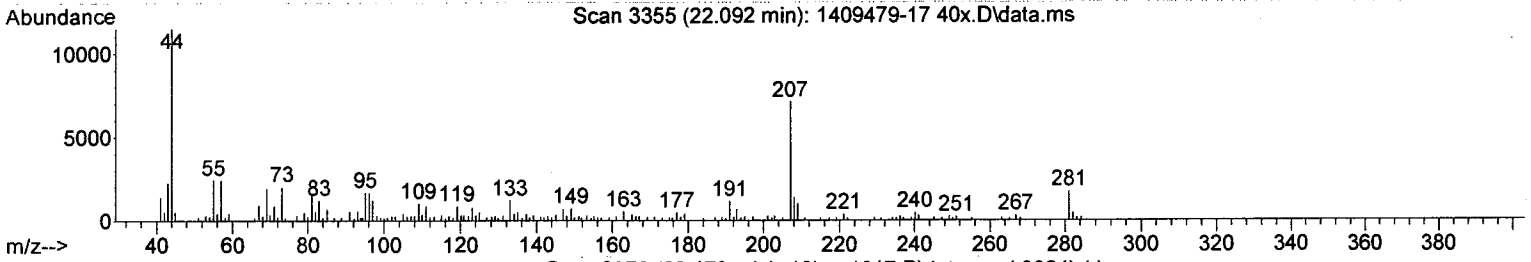
(#) = qualifier out of range (m) = manual integration (+) = signals summed

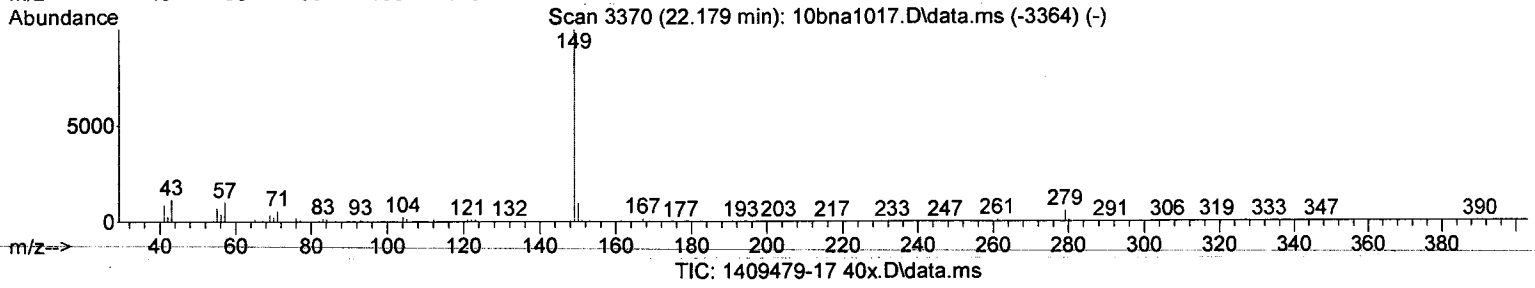
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409479-17 40x.D
Acq On : 17 Oct 2014 12:08
Operator : JLB
Sample : 1409479-17 40x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:43:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1409479-17 40x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.092min (-0.087) 0.35 ng/uL

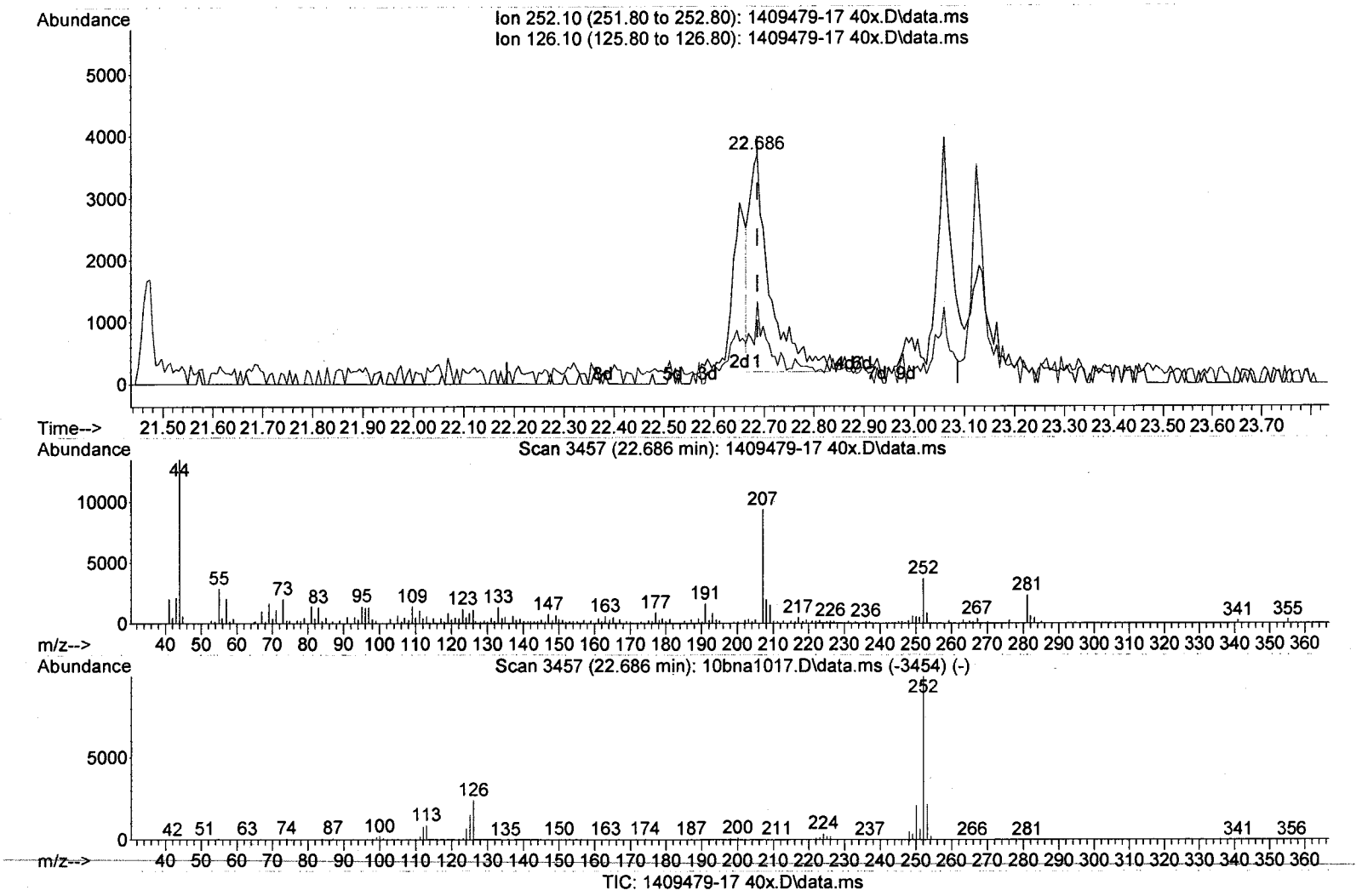
response 1604

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	8.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409479-17 40x.D
Acq On : 17 Oct 2014 12:08
Operator : JLB
Sample : 1409479-17 40x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:43:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1409479-17 40x.D\data.ms

(91) Benzo(k)fluoranthene

22.686min (-0.000) 0.06 ng/uL

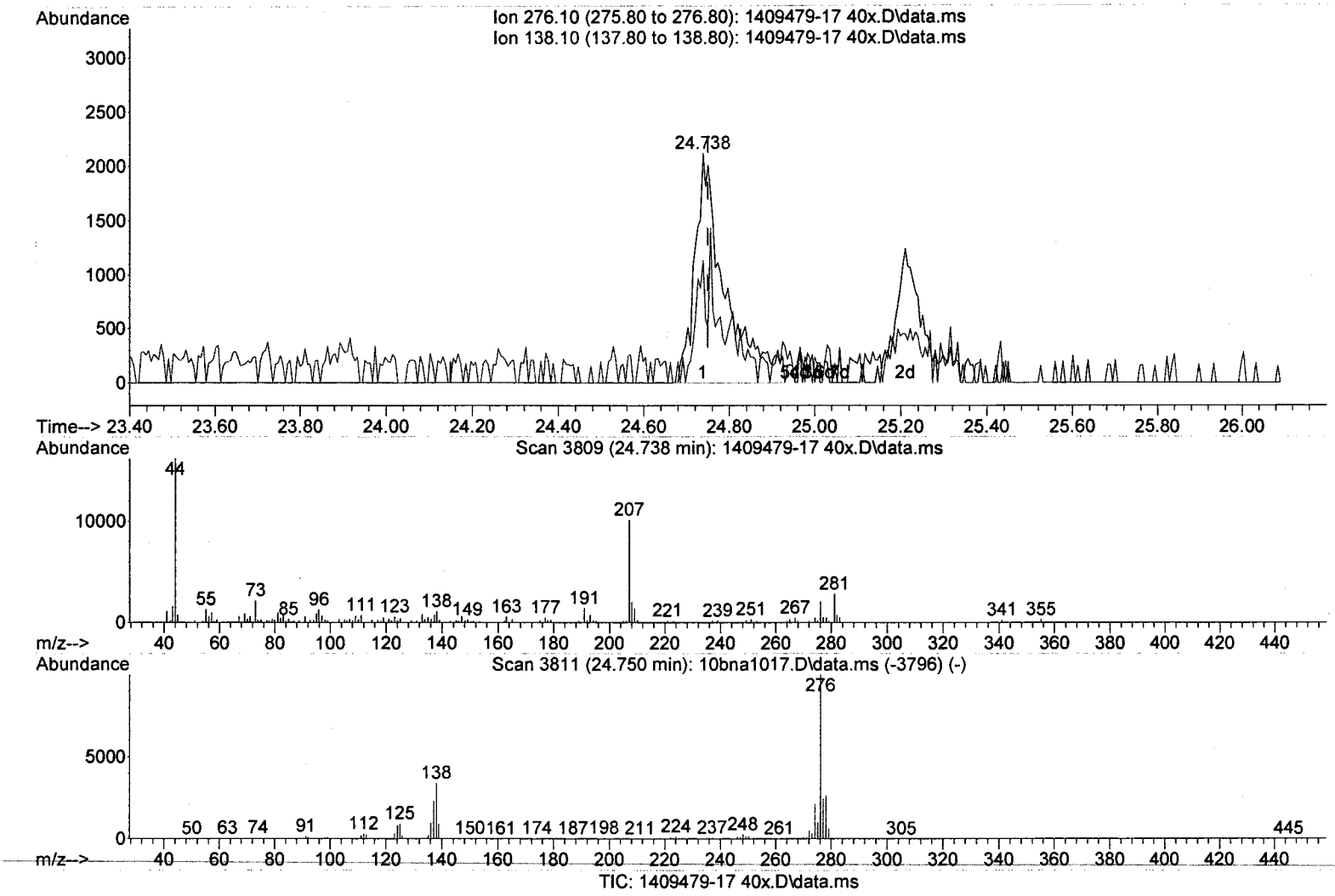
response 10135

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	12.27#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409479-17 40x.D
Acq On : 17 Oct 2014 12:08
Operator : JLB
Sample : 1409479-17 40x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:43:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1409479-17 40x.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.738min (-0.012) 0.09 ng/uL

response 10305

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	18.16#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB05-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-18 File ID: 1409479-18.D

Sampled: 09/25/14 13:05 Prepared: 10/01/14 07:29 Analyzed: 10/07/14 21:24

Solids: 97.75 Preparation: 3550C Sonication Extract Initial/Final: 29.6 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	88	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB05-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-18 File ID: 1409479-18.D

Sampled: 09/25/14 13:05 Prepared: 10/01/14 07:29 Analyzed: 10/07/14 21:24

Solids: 97.75 Preparation: 3550C Sonication Extract Initial/Final: 29.6 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	48	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	691	222	32	33 - 113	*
Phenol-d6	691	223	32	30 - 115	
Nitrobenzene-d5	346	257	74	33 - 131	
2-Fluorobiphenyl	346	285	83	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB05-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-18
File ID: 1409479-18.D
Sampled: 09/25/14 13:05
Prepared: 10/01/14 07:29
Analyzed: 10/07/14 21:24
Solids: 97.75
Preparation: 3550C Sonication Extract
Initial/Final: 29.6 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	691	504	73	12 - 124	
o-Terphenyl	346	295	86	20 - 155	

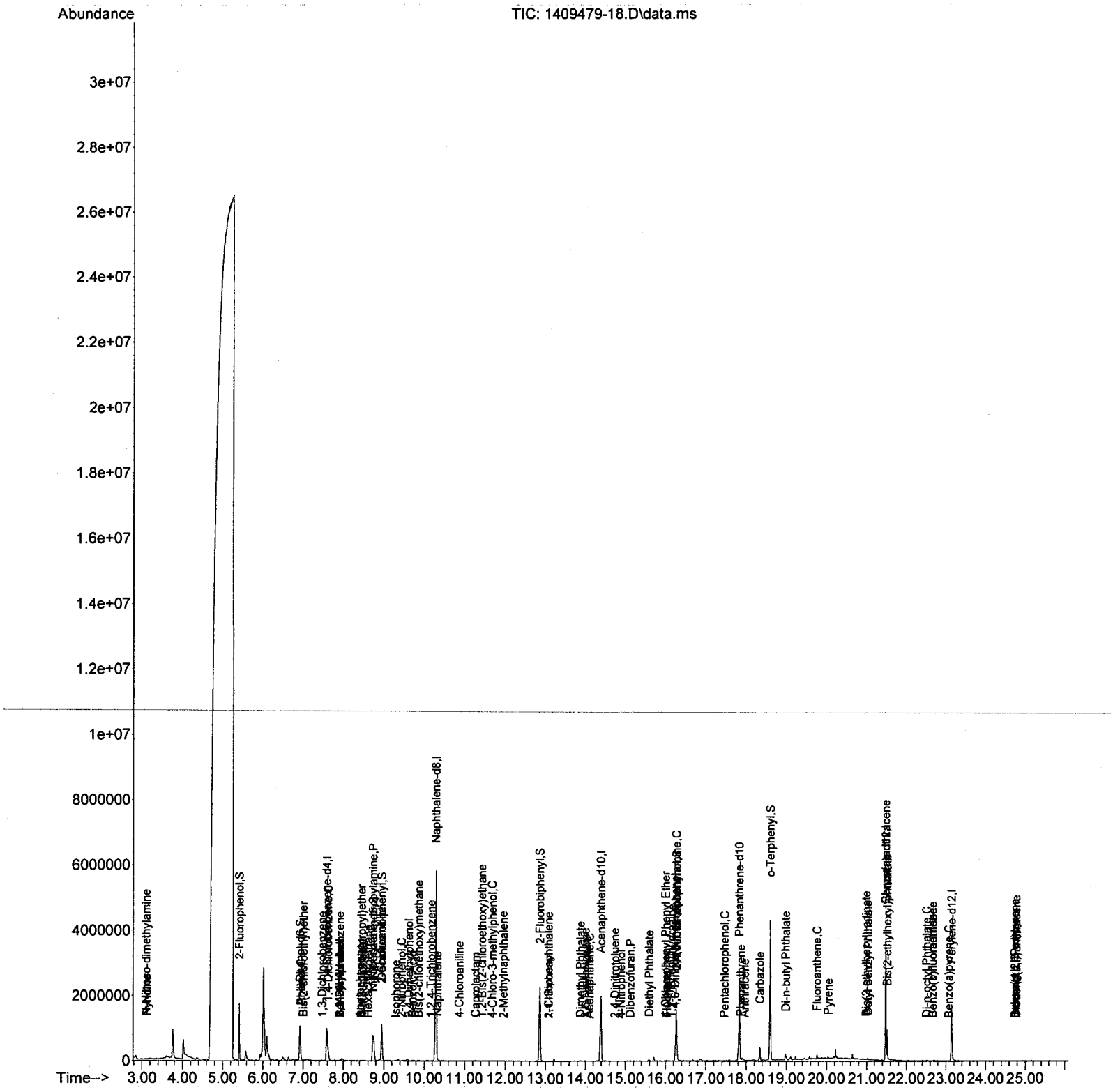
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	442039	7.585	403279	7.614	
Naphthalene-d8	1644316	10.289	1529030	10.359	
Acenaphthene-d10	1020634	14.392	866604	14.474	
Phenanthrene-d10	1708372	17.831	1400442	17.901	
Chrysene-d12	1466672	21.48	1153654	21.538	
Perylene-d12	951491	23.141	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-18.D
Acq On : 7 Oct 2014 21:24
Operator : JLB
Sample : 1409479-18 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 09:39:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-18.D
Acq On : 7 Oct 2014 21:24
Operator : JLB
Sample : 1409479-18 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 09:39:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.585	152	442039	5.00	ng/uL	# 0.06
20) Naphthalene-d8	10.289	136	1644316	5.00	ng/uL	0.02
42) Acenaphthene-d10	14.392	164	1020634	5.00	ng/uL	0.02
66) Phenanthrene-d10	17.831	188	1708372	5.00	ng/uL	0.02
81) Chrysene-d12	21.480	240	1466672	5.00	ng/uL	# 0.00
89) Perylene-d12	23.141	264	951491	5.00	ng/uL	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.416	112	648118m	6.42	ng/uL	0.31
6) Phenol-d6	6.926	99	843764	6.45	ng/uL	0.10
21) Nitrobenzene-d5	8.727	82	782168	7.44	ng/uL	0.03
23) Decafluorobiphenyl	8.949	334	618359	8.39	ng/uL	0.02
47) 2-Fluorobiphenyl	12.860	172	1739021	8.25	ng/uL	0.01
70) 2,4,6-Tribromophenol	16.281	330	377799	14.58	ng/uL	0.02
78) o-Terphenyl	18.601	230	1251980	8.55	ng/uL	0.02
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.102	74	1661	0.03	ng/uL#	41
3) Pyridine	3.126	79	192	0.00	ng/uL	88
5) Aniline	6.949	93	353	0.23	ng/uL#	1
7) Phenol	6.949	94	14469	0.10	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.008	93	379	0.00	ng/uL	97
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.468	146	2291	0.02	ng/uL#	56
11) 1,4-Dichlorobenzene	7.614	146	979	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.911	146	2382	0.02	ng/uL#	52
13) Bis(2-chloroisipropyl)...	8.447	45	650	0.00	ng/uL	93
14) Benzyl Alcohol	7.911	108	121	0.00	ng/uL#	1
15) 2-Methylphenol	7.911	108	121	0.00	ng/uL#	1
16) Acetophenone	8.412	105	840	0.01	ng/uL#	51
17) Hexachloroethane	8.605	119	68	0.00	ng/uL#	3
18) 4-Methylphenol	8.465	108	203	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.727	70	101106	RJ ~~1.27~~	ng/uL#	4
22) Nitrobenzene	8.727	77	3007	0.03	ng/uL#	1
24) Isophorone	9.298	82	1745	0.01	ng/uL#	91
25) 2-Chloroaniline	8.943	127	7867	0.06	ng/uL#	54
26) 2-Nitrophenol	9.438	139	95	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.625	107	59	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.864	93	58	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.706	105	9095	2.56	ng/uL	91
31) 1,2,4-Trichlorobenzene	10.173	180	1230	0.01	ng/uL	91
32) Naphthalene	10.330	128	1530	0.00	ng/uL#	1
33) 4-Chloroaniline	10.872	127	1048	0.01	ng/uL#	35
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.274	55	9699	0.20	ng/uL#	36
37) 1,2-Bis(2-chloroethoxy...	11.426	63	156	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.682	107	190	0.00	ng/uL#	1
39) 2-Methylnaphthalene	11.956	142	62	0.00	ng/uL#	67
40) 1-Methylnaphthalene	0.000		0	N.D.		
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-18.D
Acq On : 7 Oct 2014 21:24
Operator : JLB
Sample : 1409479-18 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 09:39:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.075	162	454	0.00 ng/uL#	35
49) 1,1'-Biphenyl	13.075	154	706	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.043	152	93	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.002	165	675	0.01 ng/uL#	31
53) Dimethyl Phthalate	13.880	163	11819	0.05 ng/uL#	88
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.107	153	61	0.00 ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	15.127	168	485	0.00 ng/uL#	37
58) 4-Nitrophenol	14.888	65	141	0.00 ng/uL#	5
59) 2,4-Dinitrotoluene	14.736	165	53	0.00 ng/uL#	17
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	16.042	166	70	0.00 ng/uL#	1
63) Diethyl Phthalate	15.593	149	18813	0.09 ng/uL	95
64) 4-Chlorophenyl Phenyl ...	16.007	204	502	0.00 ng/uL#	55
65) 4-Nitroaniline	16.019	138	109	0.00 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.240	198	240	~~0.99~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.275	169	14436	0.08 ng/uL#	37
69) 1,2-Diphenylhydrazine	16.153	182	216	0.00 ng/uL	90
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.464	266	131	0.00 ng/uL#	25
75) Phenanthrene	17.872	178	2097	0.01 ng/uL#	75
76) Anthracene	17.965	178	310	0.00 ng/uL#	68
77) Carbazole	18.338	167	9205	0.03 ng/uL#	66
79) Di-n-butyl Phthalate	18.985	149	91370	0.28 ng/uL	96
80) Fluoroanthene	19.761	202	851	0.00 ng/uL	96
82) Pyrene	20.052	202	1322	0.00 ng/uL#	1
83) Butyl Benzyl Phthalate	21.031	149	575	0.00 ng/uL	94
84) Bis(2-ethylhexyl) adipate	20.991	129	2787	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.480	228	3955	0.01 ng/uL#	1
86) Chrysene	21.480	228	3955	0.02 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.521	149	246131	1.40 ng/uL#	89
88) Di-n-octyl Phthalate	22.512	149	51247	~~0.50~~ ng/uL#	76
90) Benzo(b)fluoroanthene	22.669	252	135	0.00 ng/uL#	56
91) Benzo(k)fluoranthene	22.669	252	135	0.00 ng/uL#	58
92) Benzo(a)pyrene	23.071	252	185	0.00 ng/uL#	57
93) Indeno(1,2,3-cd)pyrene	24.738	276	363	0.00 ng/uL#	74
94) Dibdenz(a,h)anthracene	24.773	278	480	0.00 ng/uL#	60
95) Benzo(g,h,i)Perylene	24.738	276	363	0.00 ng/uL#	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-18.D
Acq On : 7 Oct 2014 21:24
Operator : JLB
Sample : 1409479-18 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 07:52:06 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

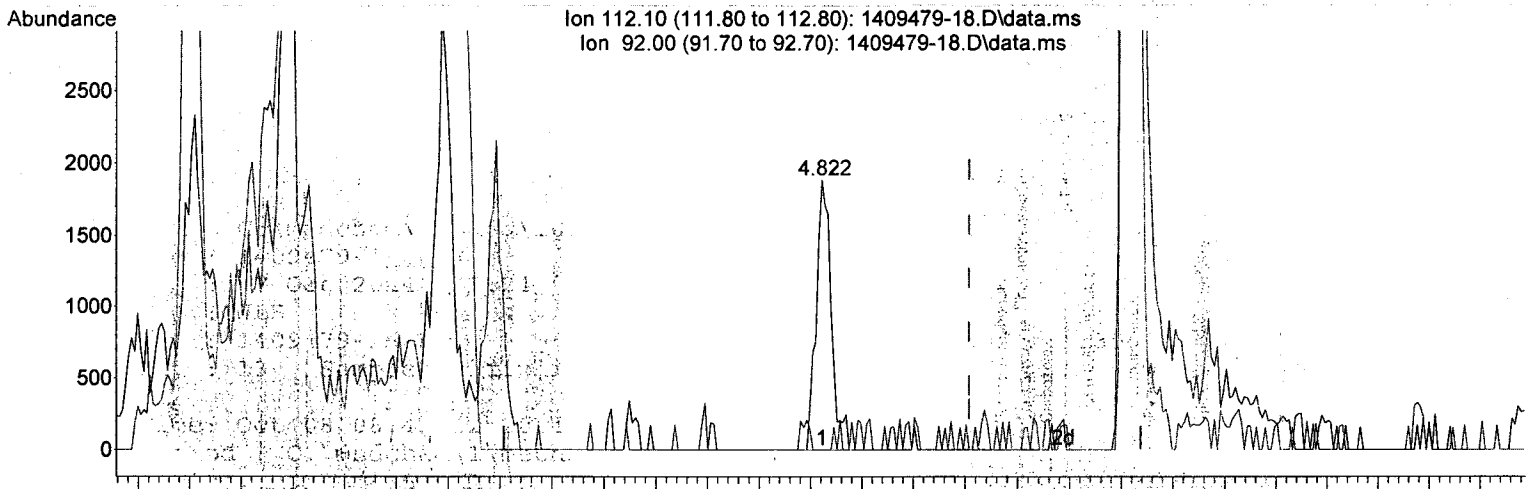
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.585	152	421396	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.289	136	1644316	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.392	164	1014971	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.831	188	1709862	5.00	ng/uL		0.00
19) Chrysene-d12	21.480	240	1466672	5.00	ng/uL	#	0.00
22) Perylene-d12	23.141	264	951491	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.341	74	1234	0.02	ng/uL		85
3) Pyridine	3.073	79	3501	0.03	ng/uL	#	38
4) Aniline	6.949	93	353	0.00	ng/uL	#	1
5) Benzaldehyde	6.699	105	258	0.00	ng/uL	#	1
6) Acetophenone	8.412	105	840	0.01	ng/uL	#	51
7) N-Nitroso-di-n-propyla...	8.465	70	206	0.00	ng/uL	#	1
9) 4-Chloroaniline	10.487	127	560	0.01	ng/uL		97
10) Caprolactam	11.274	55	3640	0.16	ng/uL	#	47
12) 1,1'-Biphenyl	13.075	154	706	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.890	138	60	Below Cal		#	56
17) N-Nitroso-diphenylamine	16.275	169	14436	0.07	ng/uL	#	37
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.965	184	266	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

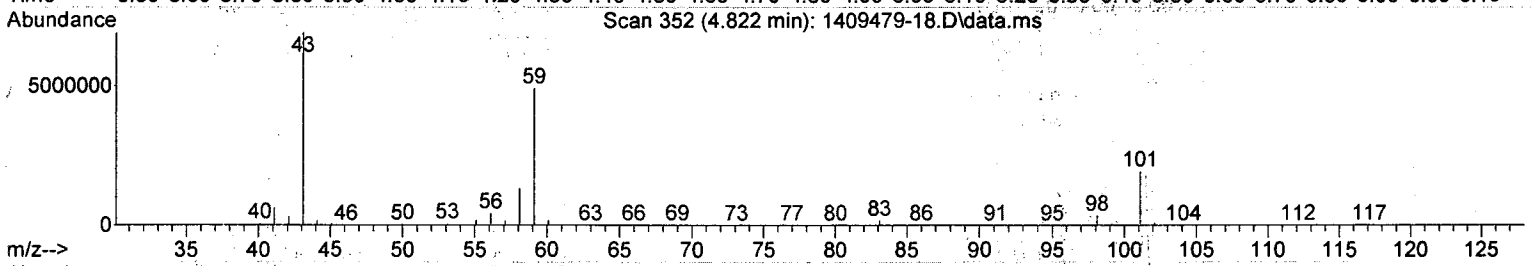
(#) = qualifier out of range (m) = manual integration (+) = signals summed

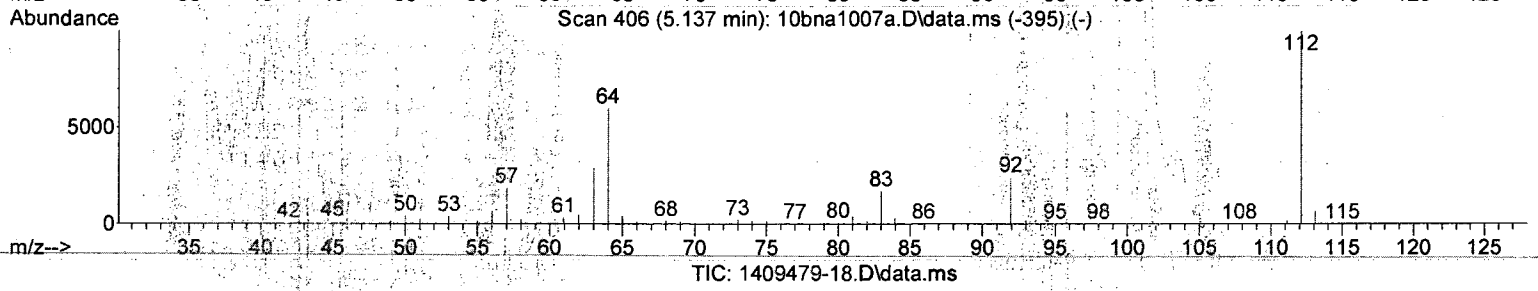
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-18.D
Acq On : 7 Oct 2014 21:24
Operator : JLB
Sample : 1409479-18 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 08:45:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-18.D\data.ms

(4) 2-Fluorophenol (S)

4.822min (-0.286) 0.04 ng/uL

response 3794

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	6.59#
0.00	0.00	0.00
0.00	0.00	0.00

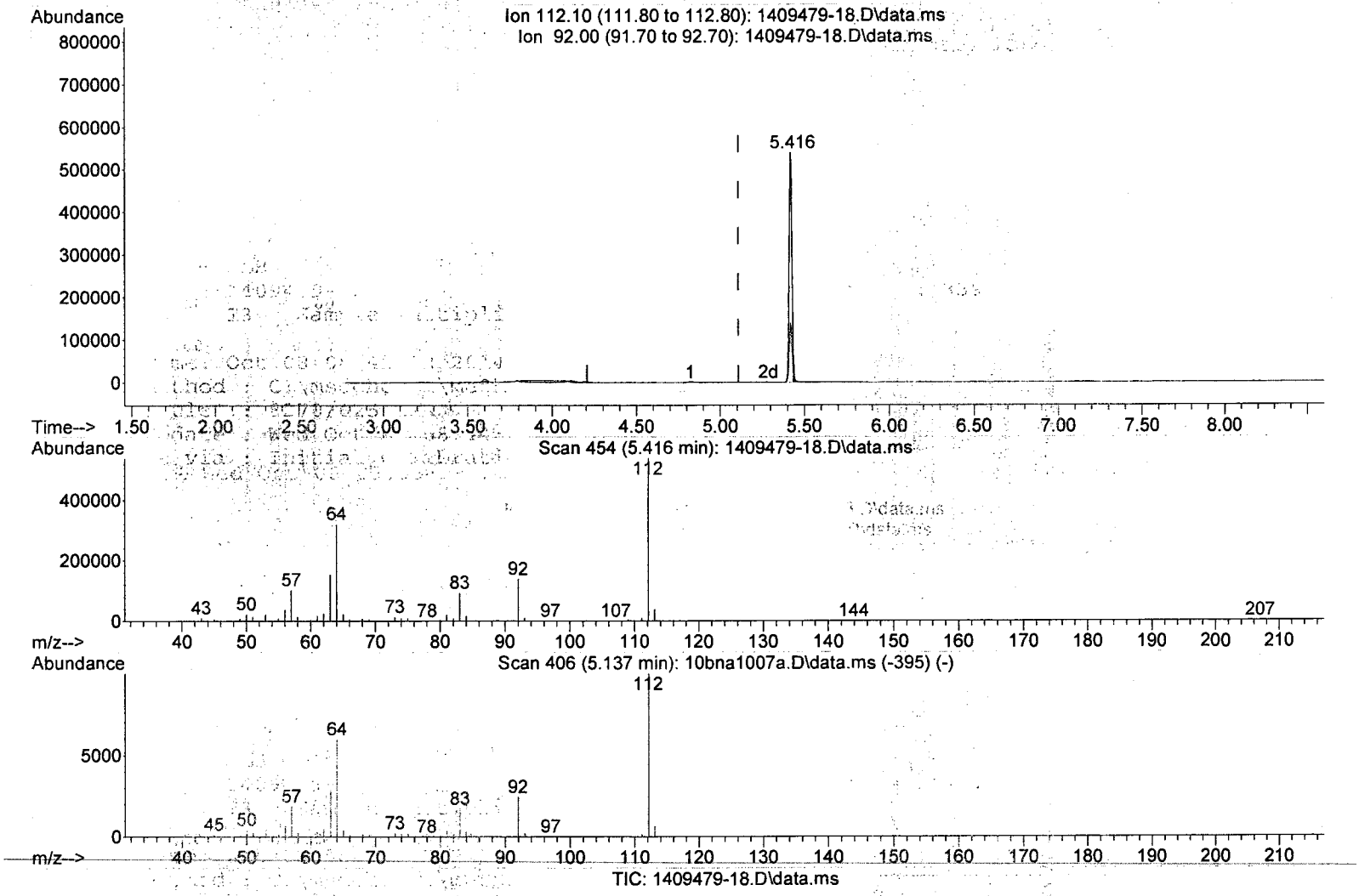
JWS 10/9/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-18.D
Acq On : 7 Oct 2014 21:24
Operator : JLB
Sample : 1409479-18 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 08:45:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration



TIC: 1409479-18.D\data.ms

(4) 2-Fluorophenol (S)

5.416min (+ 0.309) 6.42 ng/uL m

response 648118

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.04#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No

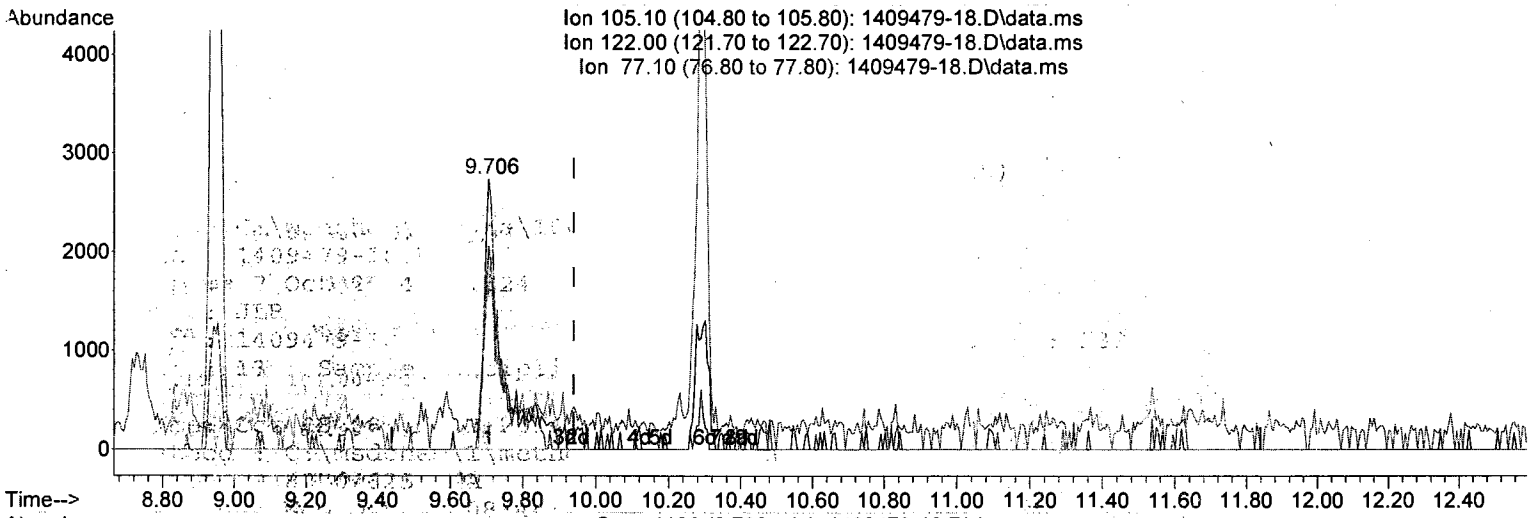
Analyst: JLB Date: 10/9/14

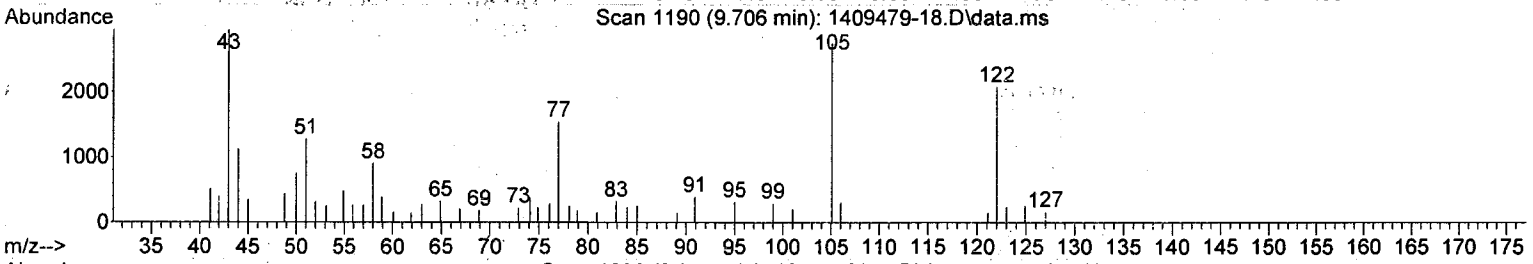
Reviewed By: DW Date: 10-10-14

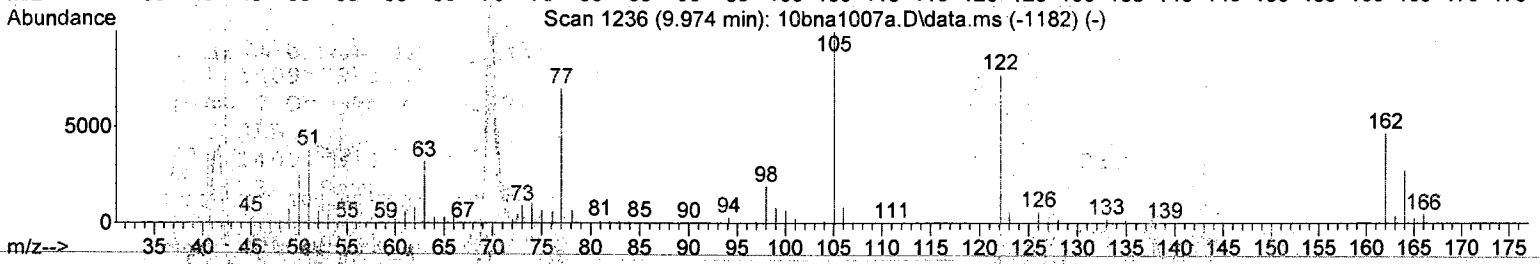
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-18.D
Acq On : 7 Oct 2014 21:24
Operator : JLB
Sample : 1409479-18 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 08:45:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-18.D\data.ms

(30) Benzoic Acid

9.706min (-0.233) 2.56 ng/uL

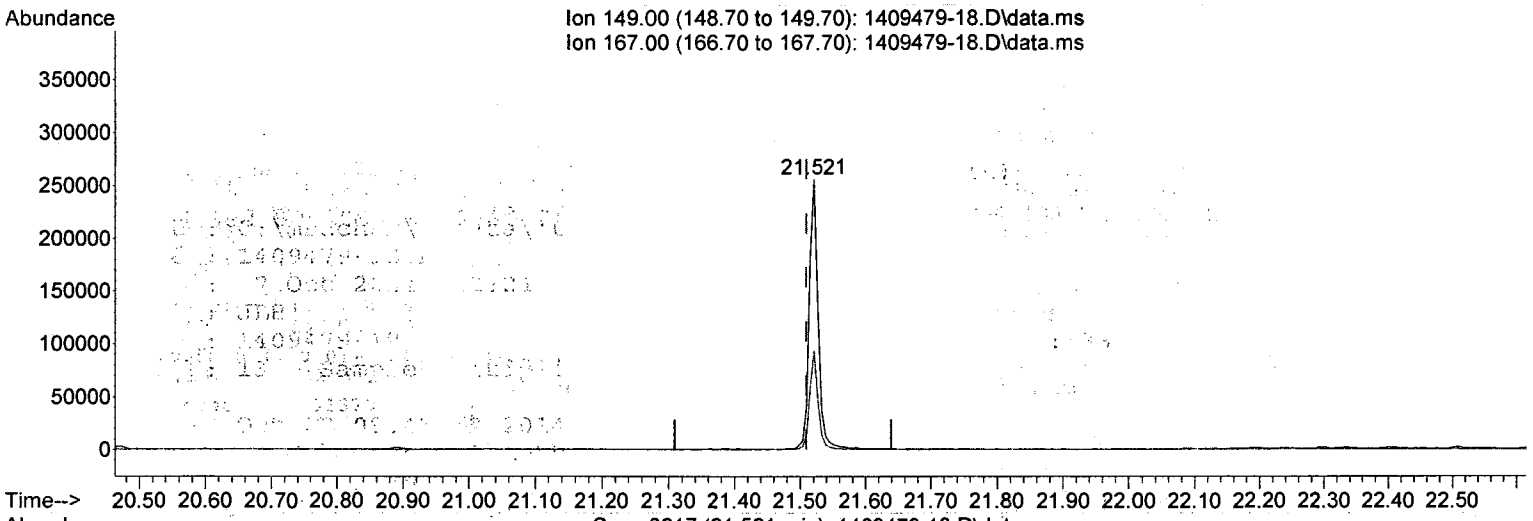
response 9095

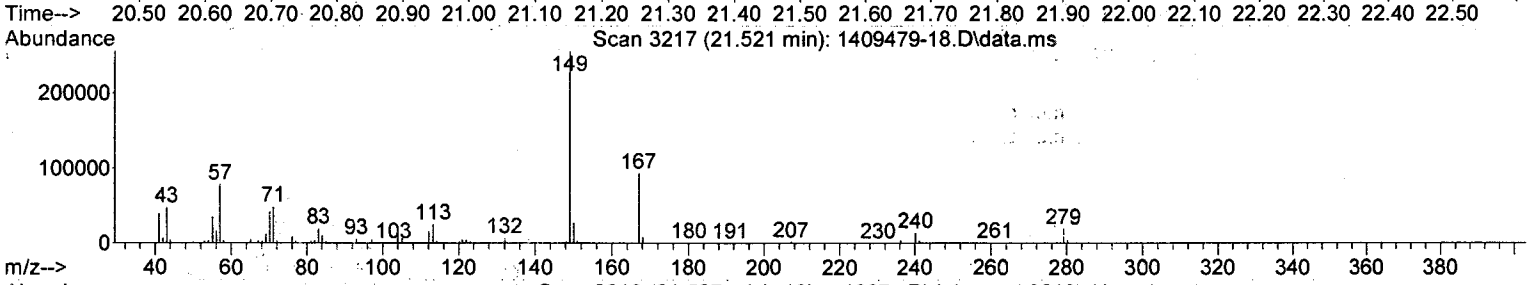
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	76.23
77.10	74.70	62.07
0.00	0.00	0.00

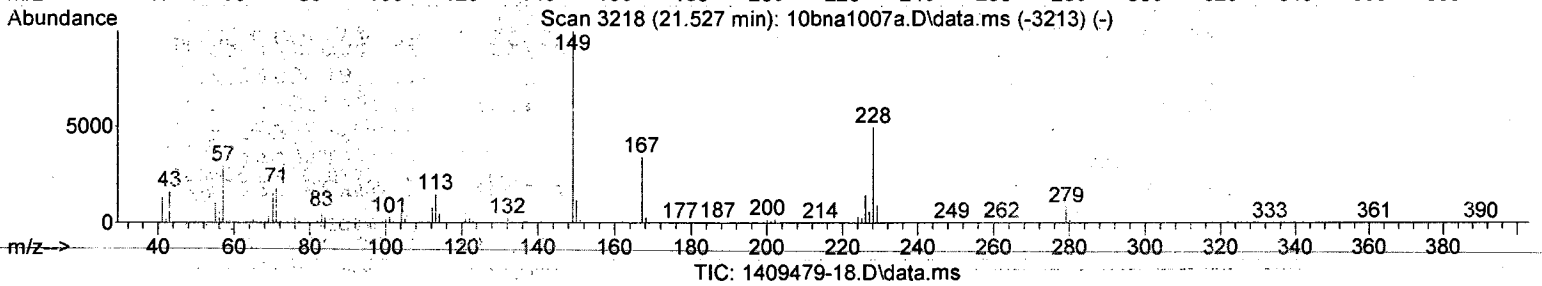
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-18.D
Acq On : 7 Oct 2014 21:24
Operator : JLB
Sample : 1409479-18 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 08:45:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-18.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.521min (+ 0.012) 1.40 ng/uL

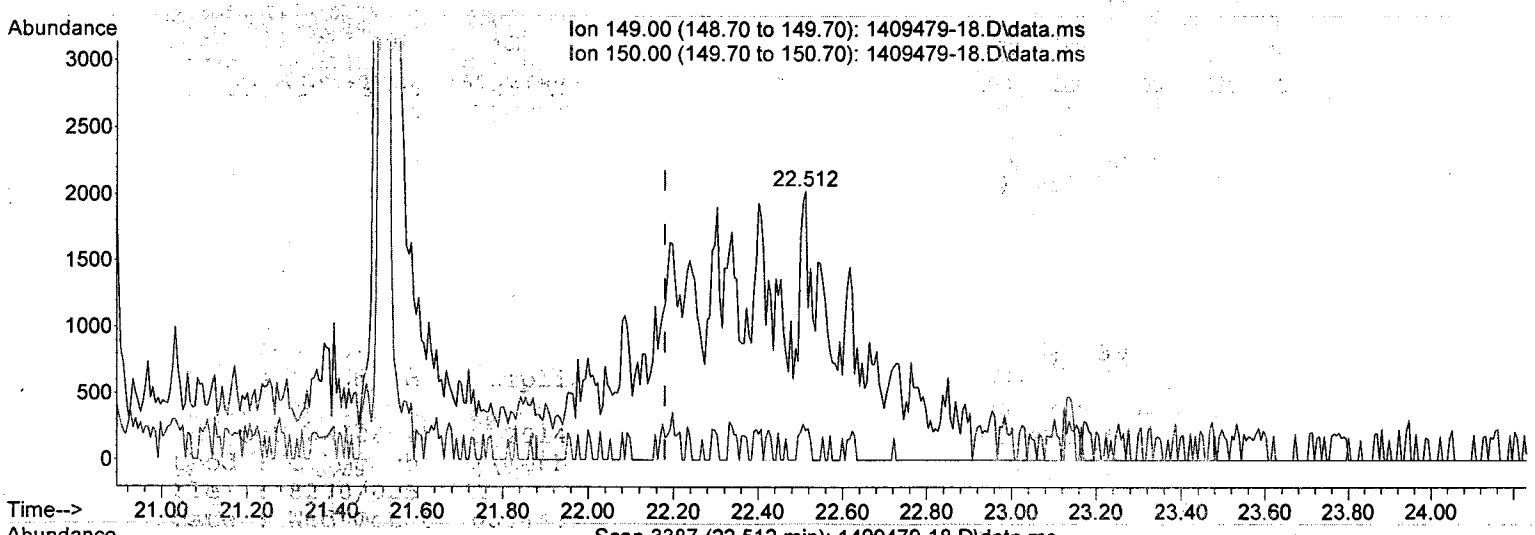
response 246131

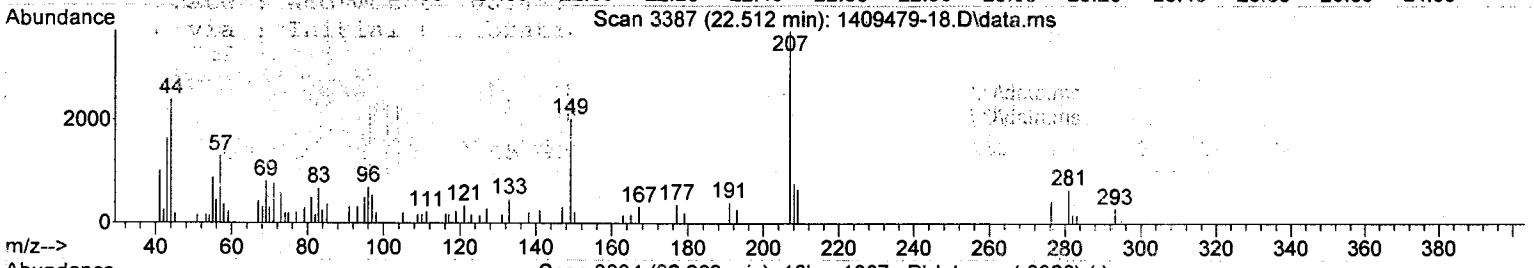
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	35.15#
0.00	0.00	0.00
0.00	0.00	0.00

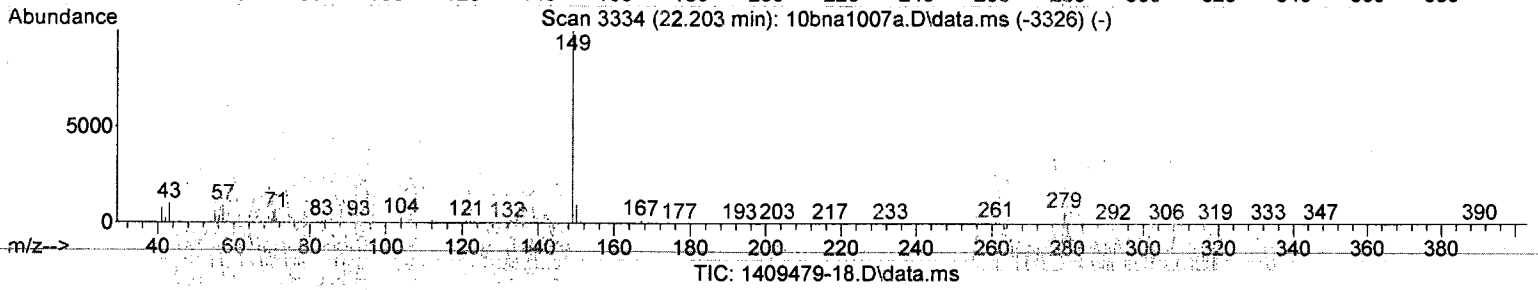
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1409479-18.D
Acq On : 7 Oct 2014 21:24
Operator : JLB
Sample : 1409479-18 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 08:45:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:44:16 2014
Response via : Initial Calibration







TIC: 1409479-18.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.512min (+ 0.332) 0.50 ng/uL

response 51247

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.87#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB05-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-18RE1 File ID: 1409479-18re1.D

Sampled: 09/25/14 13:05 Prepared: 10/08/14 07:29 Analyzed: 10/10/14 12:31

Solids: 97.75 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410496 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	89	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB05-33

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409479-18RE1 File ID: 1409479-18re1.D

Sampled: 09/25/14 13:05 Prepared: 10/08/14 07:29 Analyzed: 10/10/14 12:31

Solids: 97.75 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410496 Sequence: 4J10038 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	98	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	705	513	73	33 - 113	
Phenol-d6	705	561	79	30 - 115	
Nitrobenzene-d5	353	305	86	33 - 131	
2-Fluorobiphenyl	353	320	91	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB05-33

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409479-18RE1
File ID: 1409479-18re1.D
Sampled: 09/25/14 13:05
Prepared: 10/08/14 07:29
Analyzed: 10/10/14 12:31
Solids: 97.75
Preparation: 3550C Sonication Extract
Initial/Final: 29 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	705	565	80	12 - 124	
o-Terphenyl	353	350	99	20 - 155	

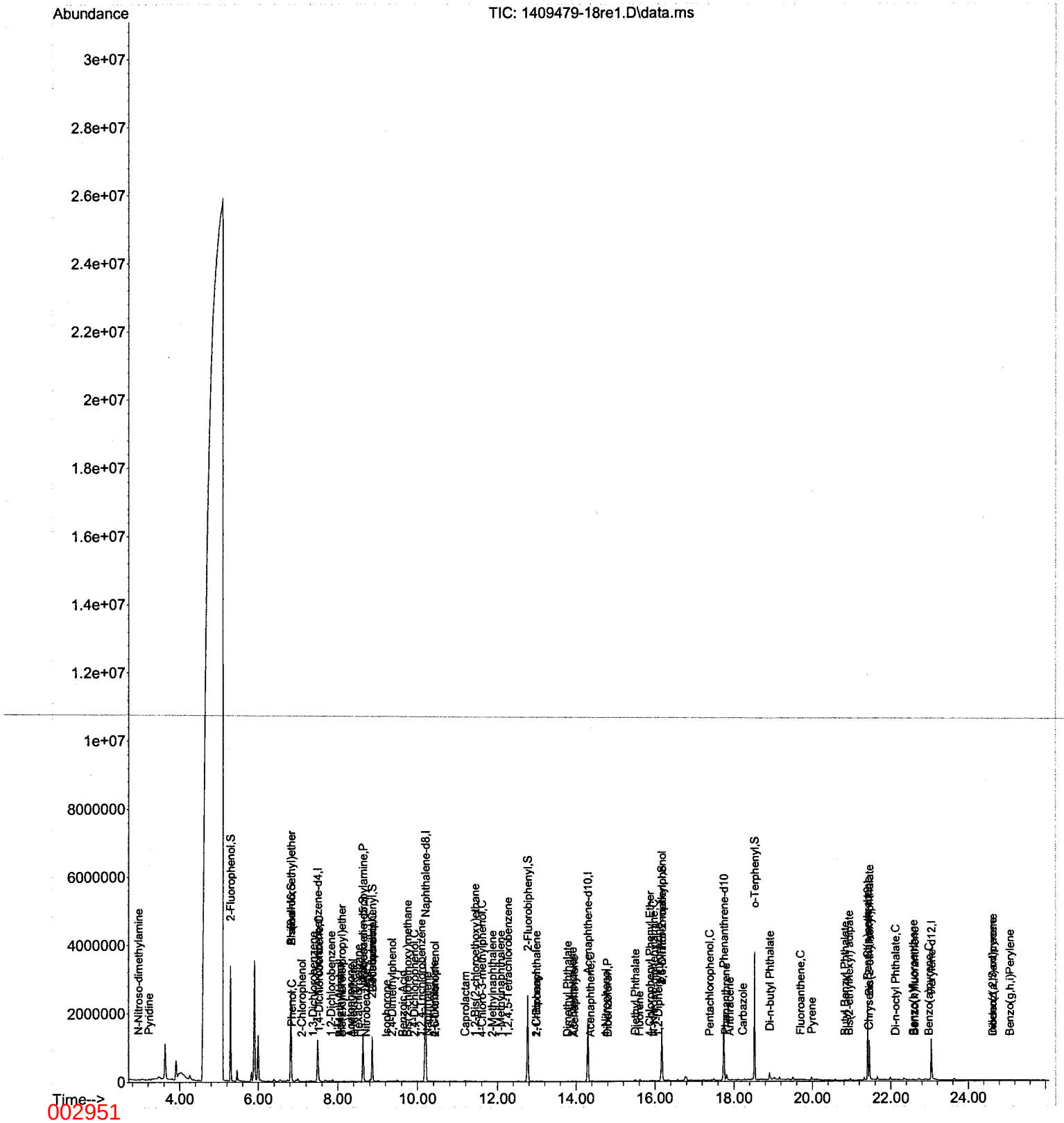
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	395808	7.495	403279	7.614	
Naphthalene-d8	1472278	10.2	1529030	10.359	
Acenaphthene-d10	828308	14.297	866604	14.474	
Phenanthrene-d10	1239778	17.748	1400442	17.901	
Chrysene-d12	963089	21.414	1153654	21.538	
Perylene-d12	711749	23.046	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-18re1.D
Acq On : 10 Oct 2014 12:31
Operator : JLB
Sample : 1409479-18re1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 14:59:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-18re1.D
Acq On : 10 Oct 2014 12:31
Operator : JLB
Sample : 1409479-18re1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 14:59:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.495	152	395808	5.00	ng/uL	# 0.04
20) Naphthalene-d8	10.200	136	1472278	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.297	164	828308	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.748	188	1239778	5.00	ng/uL	0.00
81) Chrysene-d12	21.414	240	963089	5.00	ng/uL	# 0.00
89) Perylene-d12	23.046	264	711749	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.292	112	1314049	14.53	ng/uL	0.26
6) Phenol-d6	6.825	99	1859787	15.89	ng/uL	0.05
21) Nitrobenzene-d5	8.638	82	814445	8.65	ng/uL	0.00
23) Decafluorobiphenyl	8.865	334	564788	8.56	ng/uL	0.00
47) 2-Fluorobiphenyl	12.776	172	1550097	9.06	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.180	330	300998	16.01	ng/uL	-0.01
78) o-Terphenyl	18.529	230	1053986	9.92	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.949	74	849	0.01	ng/uL#	1
3) Pyridine	3.223	79	1832	0.02	ng/uL	90
5) Aniline	6.825	93	195	0.22	ng/uL#	1
7) Phenol	6.843	94	3003	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.825	93	195	0.00	ng/uL#	1
9) 2-Chlorophenol	7.093	128	362	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.373	146	3456	0.03	ng/uL#	4
11) 1,4-Dichlorobenzene	7.525	146	1646	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.828	146	3702	0.03	ng/uL	96
13) Bis(2-chloroisipropyl)...	8.102	45	232	0.00	ng/uL#	1
14) Benzyl Alcohol	8.049	108	141	0.00	ng/uL	93
15) 2-Methylphenol	8.049	108	141	0.00	ng/uL#	1
16) Acetophenone	8.323	105	1447	0.01	ng/uL#	73
17) Hexachloroethane	8.515	119	279	0.01	ng/uL#	3
18) 4-Methylphenol	8.381	108	622	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.638	70	106430	RJ ~~1.49~~	ng/uL#	8
22) Nitrobenzene	8.708	77	108	0.00	ng/uL#	1
24) Isophorone	9.221	82	1911	0.01	ng/uL#	84
25) 2-Chloroaniline	8.859	127	7975	0.07	ng/uL#	63
26) 2-Nitrophenol	8.865	139	1621	0.03	ng/uL#	48
27) 2,4-Dimethylphenol	9.366	107	298	0.00	ng/uL	89
28) Bis(2-chlorethoxy)methane	9.751	93	56	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	9.920	162	488	0.01	ng/uL#	32
30) Benzoic Acid	9.629	105	5925m	2.53	ng/uL	
31) 1,2,4-Trichlorobenzene	10.095	180	2045	0.02	ng/uL	92
32) Naphthalene	10.247	128	1920	0.01	ng/uL#	74
33) 4-Chloroaniline	10.410	127	583	0.01	ng/uL#	21
34) 2,6-Dichlorophenol	10.427	162	288	0.00	ng/uL#	58
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.185	55	8113	0.19	ng/uL#	53
37) 1,2-Bis(2-chloroethoxy...	11.436	63	109	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.605	107	849	0.01	ng/uL#	1
39) 2-Methylnaphthalene	11.867	142	983	0.01	ng/uL#	79
40) 1-Methylnaphthalene	12.077	142	789	0.00	ng/uL	86
41) 1,3 Dinitrobenzene	0.000		0	N.D.		
43) 1,2,4,5-Tetrachloroben...	12.263	216	53	0.00	ng/uL#	68
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		

002952

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-18re1.D
Acq On : 10 Oct 2014 12:31
Operator : JLB
Sample : 1409479-18re1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 14:59:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48)	2-Chloronaphthalene	12.986	162	603	0.00	ng/uL#	81
49)	1,1'-Biphenyl	12.992	154	933	0.00	ng/uL#	73
50)	2-Nitroaniline	0.000		0	N.D.		
51)	Acenaphthylene	13.948	152	309	0.00	ng/uL#	55
52)	2,6-Dinitrotoluene	13.907	165	153	0.00	ng/uL#	76
53)	Dimethyl Phthalate	13.785	163	1011	0.01	ng/uL#	21
54)	3-Nitroaniline	0.000		0	N.D.		
55)	Acenaphthene	14.362	153	505	0.00	ng/uL#	69
56)	2,4-Dinitrophenol	0.000		0	N.D.		
57)	Dibenzofuran	14.799	168	474	0.00	ng/uL#	59
58)	4-Nitrophenol	14.752	65	121	0.00	ng/uL#	19
59)	2,4-Dinitrotoluene	0.000		0	N.D.		
60)	2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62)	Fluorene	15.603	166	554	0.00	ng/uL#	14
63)	Diethyl Phthalate	15.498	149	20300	0.12	ng/uL	97
64)	4-Chlorophenyl Phenyl ...	15.871	204	57	0.00	ng/uL#	1
65)	4-Nitroaniline	0.000		0	N.D.		
67)	4,6-Dinitro-2-methylph...	16.180	198	890	~~1.02~~	ng/uL#	1
68)	N-Nitroso-diphenylamine	15.970	169	251	0.00	ng/uL#	26
69)	1,2-Diphenylhydrazine	16.081	182	1599	0.03	ng/uL#	69
71)	4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72)	Hexachlorobenzene	0.000		0	N.D.		
73)	Atrazine	0.000		0	N.D.		
74)	Pentachlorophenol	17.387	266	126	0.00	ng/uL#	1
75)	Phenanthrene	17.795	178	4018	0.02	ng/uL#	79
76)	Anthracene	17.888	178	1121	0.00	ng/uL#	75
77)	Carbazole	18.226	167	1144	0.01	ng/uL#	57
79)	Di-n-butyl Phthalate	18.914	149	16394	0.07	ng/uL#	93
80)	Fluoroanthene	19.695	202	2474	0.01	ng/uL	98
82)	Pyrene	19.986	202	2662	0.01	ng/uL#	1
83)	Butyl Benzyl Phthalate	20.826	149	3546	0.04	ng/uL	98
84)	Bis(2-ethylhexyl) adipate	20.930	129	4247	0.12	ng/uL#	100
85)	Benzo(a)anthracene	21.408	228	3257	0.02	ng/uL#	1
86)	Chrysene	21.443	228	907	~~0.01~~	ng/uL#	1
87)	Bis(2-ethylhexyl)phtha...	21.455	149	322074	2.79	ng/uL	91
88)	Di-n-octyl Phthalate	22.120	149	38319	~~0.52~~	ng/uL#	77
90)	Benzo(b)fluoroanthene	22.574	252	1047	0.01	ng/uL#	63
91)	Benzo(k)fluoranthene	22.609	252	517	0.00	ng/uL#	1
92)	Benzo(a)pyrene	22.976	252	373	0.00	ng/uL#	1
93)	Indeno(1,2,3-cd)pyrene	24.626	276	1137	0.01	ng/uL#	59
94)	Dibdenz(a,h)anthracene	24.632	278	277	0.00	ng/uL#	1
95)	Benzo(g,h,i)Perylene	25.075	276	919	0.01	ng/uL#	61

(#) = qualifier out of range (m) = manual integration (+) = signals summed

002953

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-18re1.D
Acq On : 10 Oct 2014 12:31
Operator : JLB
Sample : 1409479-18re1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 14:55:39 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:52:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.495	152	390460	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.200	136	1472278	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.297	164	828308	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.748	188	1239778	5.00	ng/uL		0.00
19) Chrysene-d12	21.414	240	963089	5.00	ng/uL	#	0.00
22) Perylene-d12	23.046	264	711749	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.949	74	849	0.01	ng/uL	#	1
3) Pyridine	3.025	79	259	0.00	ng/uL		93
4) Aniline	6.825	93	195	0.00	ng/uL	#	1
5) Benzaldehyde	6.609	105	266	0.00	ng/uL	#	1
6) Acetophenone	8.323	105	1447	0.01	ng/uL	#	73
7) N-Nitroso-di-n-propyla...	8.434	70	630	0.01	ng/uL		96
9) 4-Chloroaniline	10.433	127	128	0.01	ng/uL	#	1
10) Caprolactam	11.185	55	2751	0.15	ng/uL	#	57
12) 1,1'-Biphenyl	12.992	154	933	0.00	ng/uL	#	73
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	16.168	138	71	Below Cal		#	1
17) N-Nitroso-diphenylamine	15.970	169	251	0.00	ng/uL	#	26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.502	184	390	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

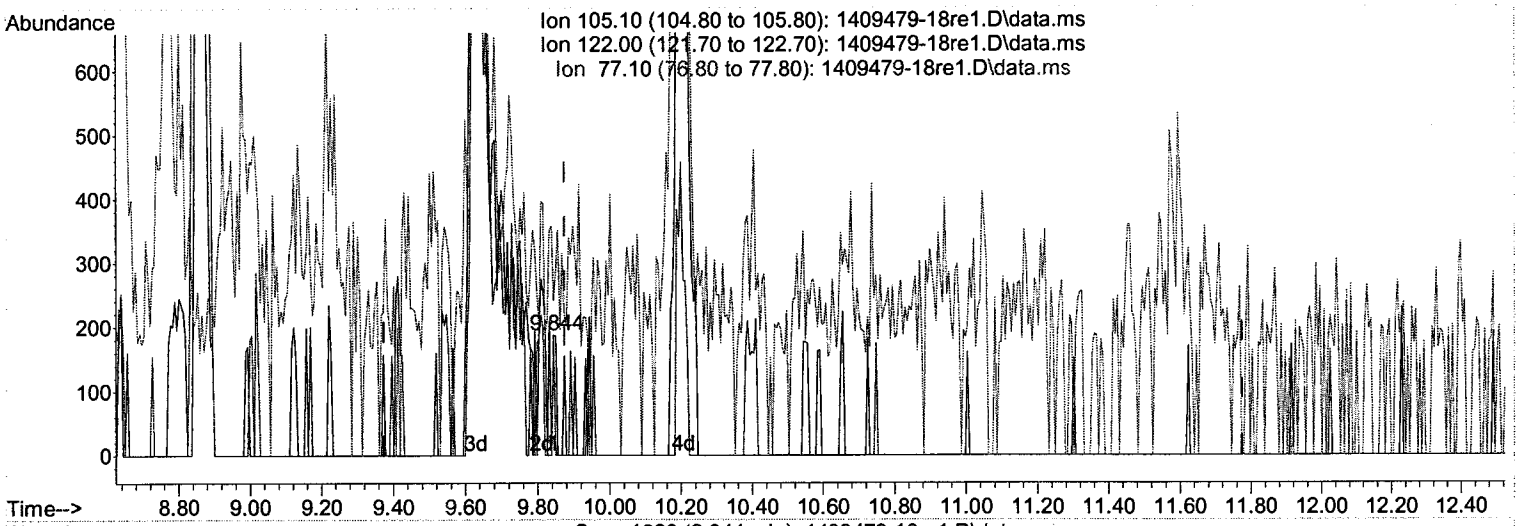
(#) = qualifier out of range (m) = manual integration (+) = signals summed

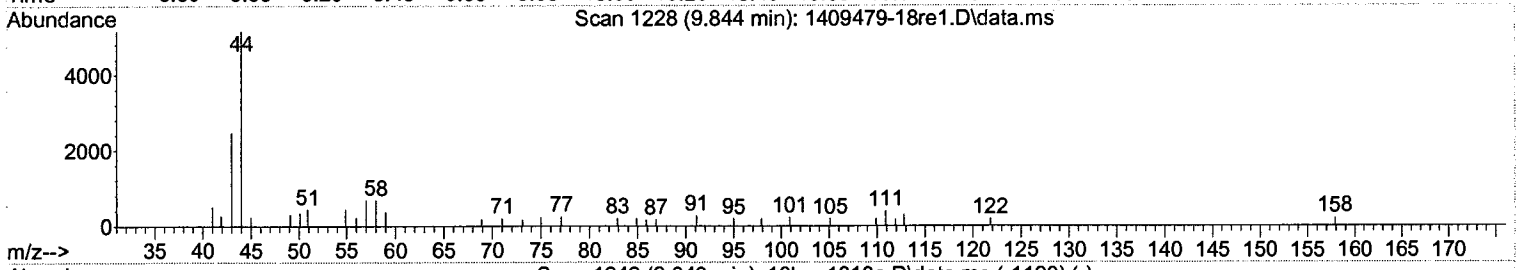
002954

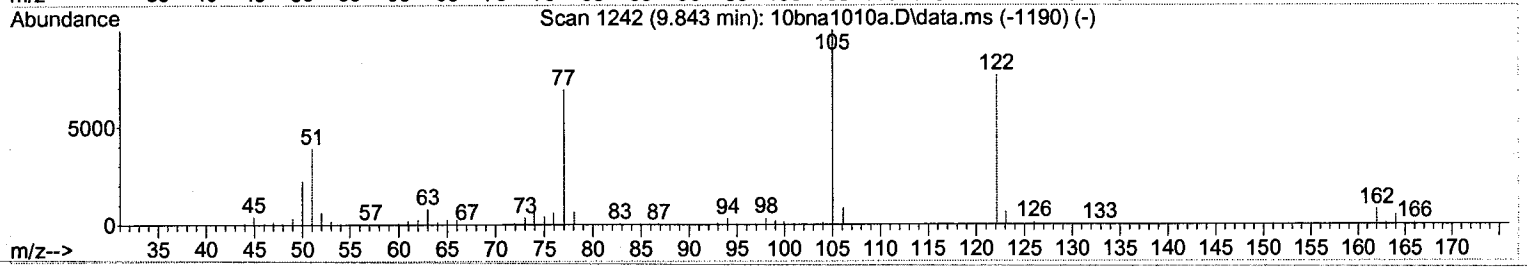
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-18re1.D
Acq On : 10 Oct 2014 12:31
Operator : JLB
Sample : 1409479-18re1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 14:59:38 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-18re1.D\data.ms

(30) Benzoic Acid

9.844min (-0.029) 2.46 ng/uL

response 130

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	675.38#
0.00	0.00	0.00

JLB 10/15/14

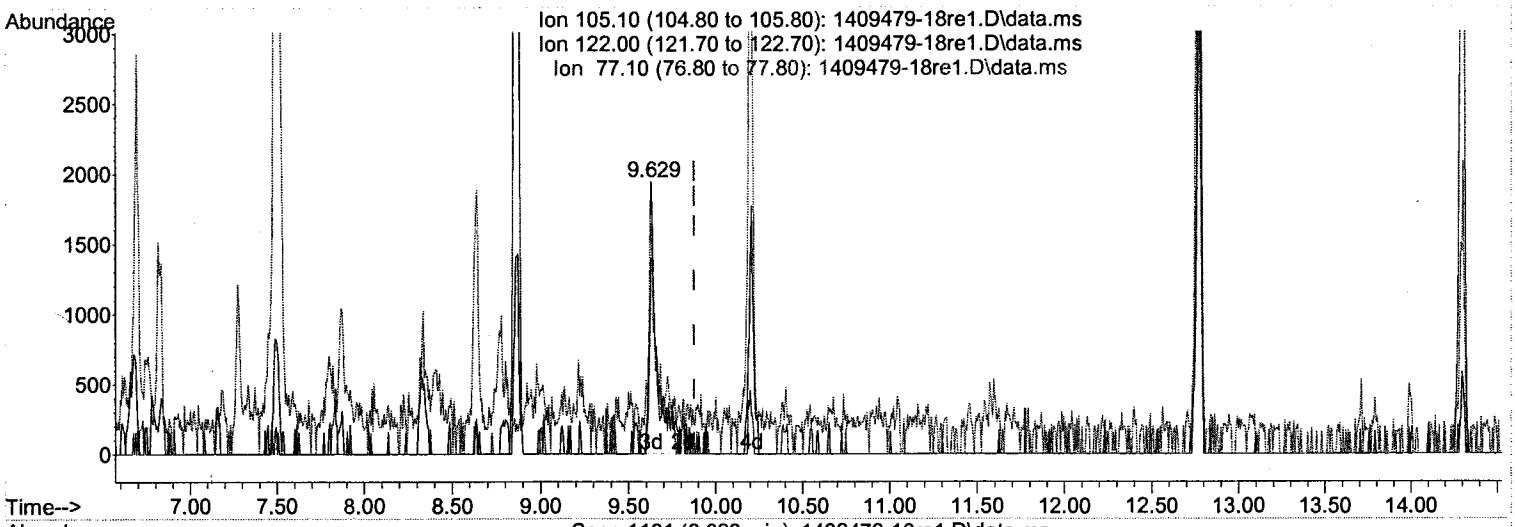
DWS 10-17-14

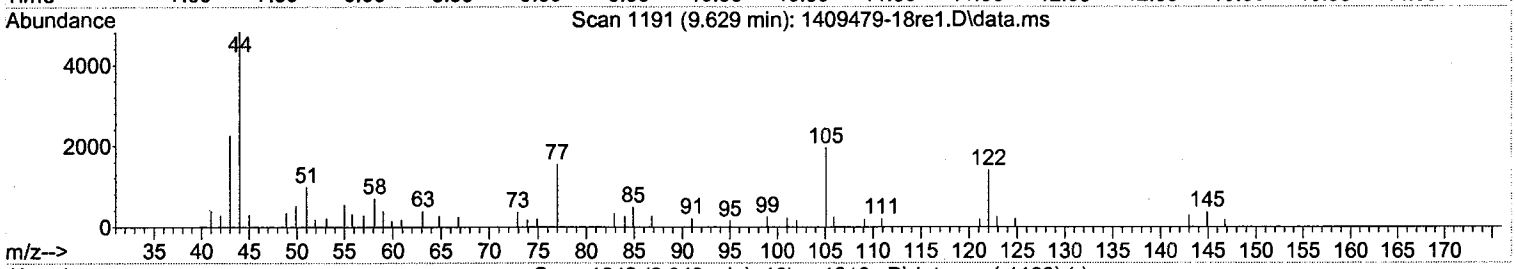
002955

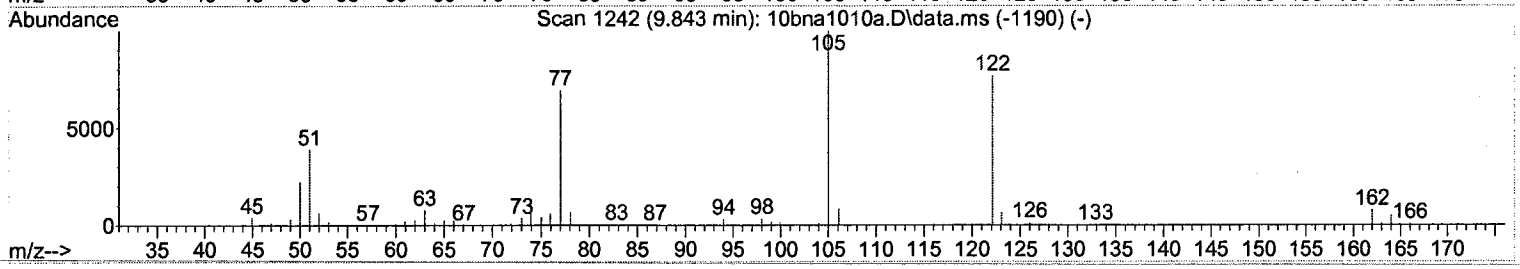
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-18re1.D
Acq On : 10 Oct 2014 12:31
Operator : JLB
Sample : 1409479-18re1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 14:59:38 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-18re1.D\data.ms

(30) Benzoic Acid

9.629min (-0.245) 2.53 ng/uL m

response 5925

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	14.82#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: _____ Date: 10/15/14

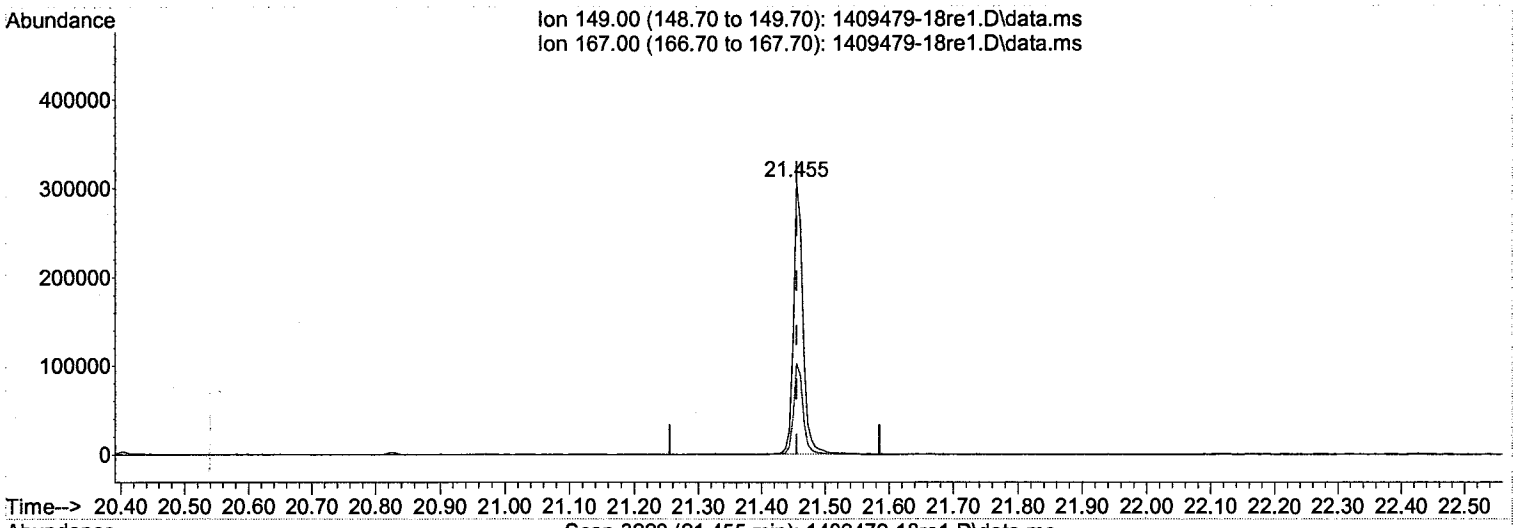
Reviewed By: _____ Date: 10-17-14

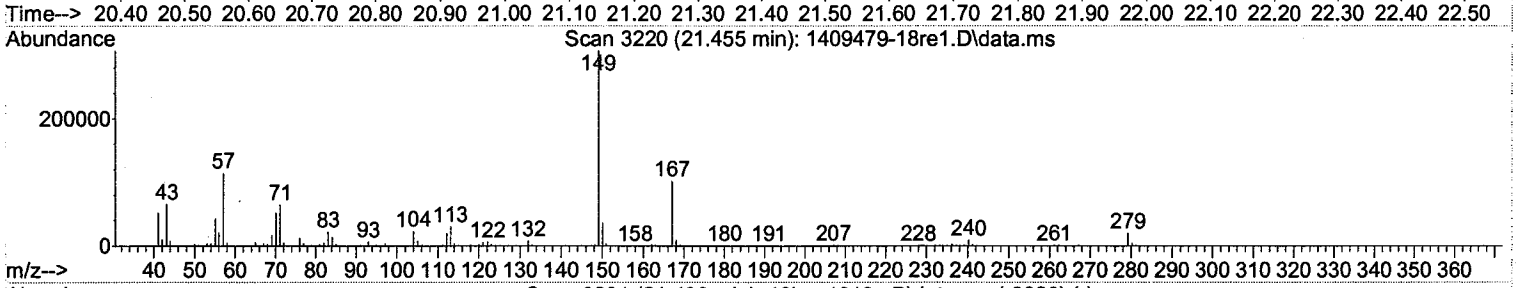
002956

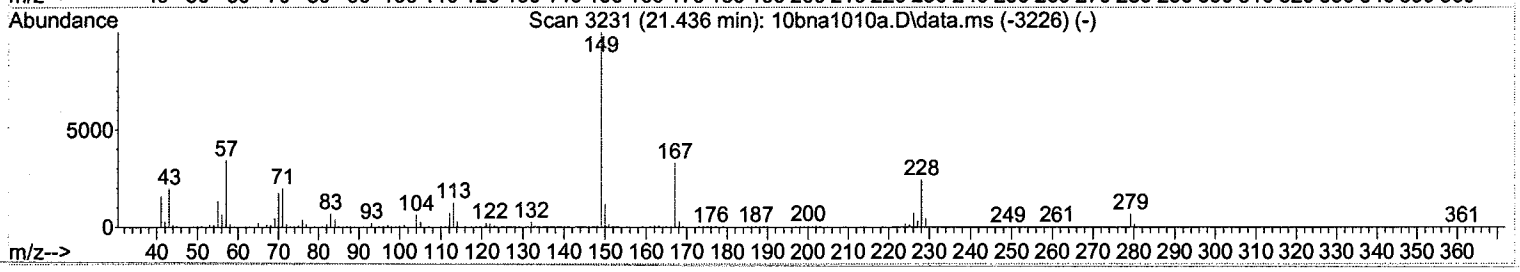
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-18re1.D
Acq On : 10 Oct 2014 12:31
Operator : JLB
Sample : 1409479-18re1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 14:59:38 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-18re1.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.455min (+ 0.000) 2.79 ng/uL

response 322074

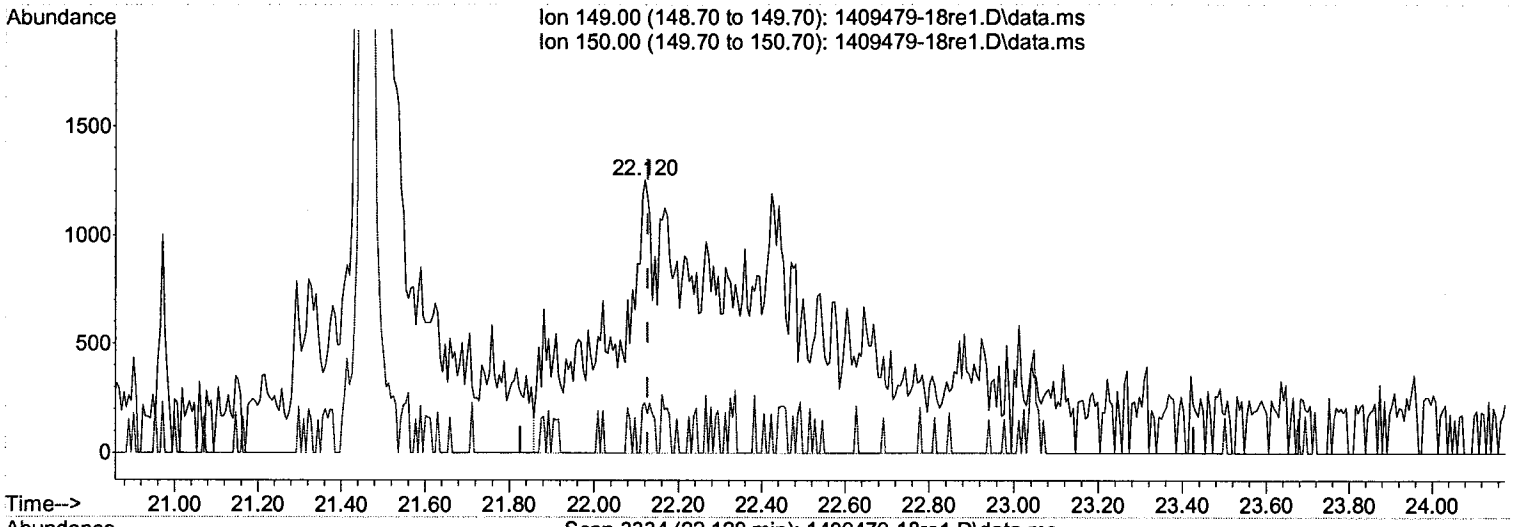
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.94
0.00	0.00	0.00
0.00	0.00	0.00

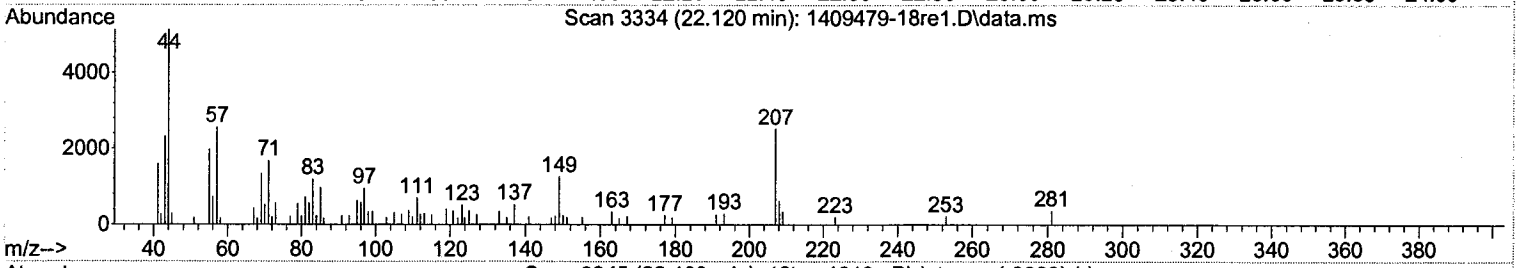
002957

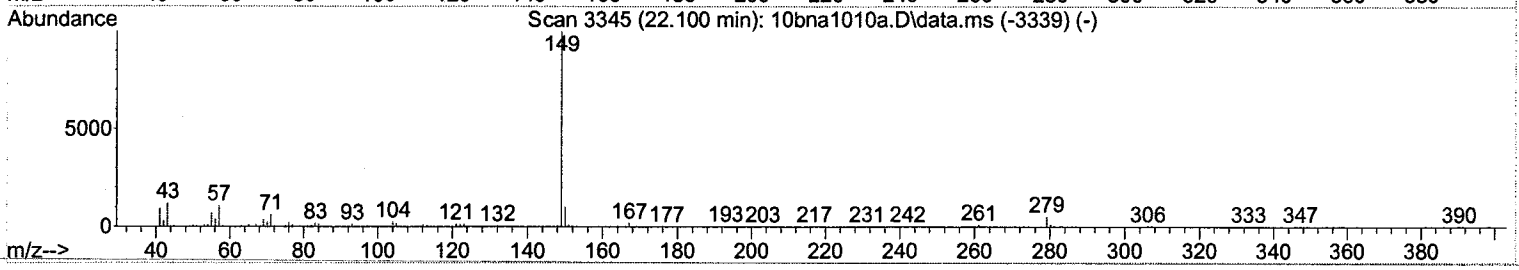
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1409479-18re1.D
Acq On : 10 Oct 2014 12:31
Operator : JLB
Sample : 1409479-18re1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 14:59:38 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 11 14:50:29 2014
Response via : Initial Calibration







TIC: 1409479-18re1.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.120min (-0.006) 0.52 ng/uL

response 38319

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.09#
0.00	0.00	0.00
0.00	0.00	0.00

pp

002958

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB30-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-02 File ID: 1409499-02.D

Sampled: 09/26/14 11:45 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 21:09

Solids: 91.67 Preparation: 3550C Sonication Extract Initial/Final: 28.4 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	18	5.1	18	18	U
208-96-8	Acenaphthylene	1	18	4.5	18	18	U
120-12-7	Anthracene	1	18	4.4	18	18	U
56-55-3	Benzo(a)anthracene	1	9.1	3.0	9.1	18	U
50-32-8	Benzo(a)pyrene	1	9.1	2.5	9.1	18	U
205-99-2	Benzo(b)fluoranthene	1	9.1	2.1	9.1	18	U
207-08-9	Benzo(k)fluoranthene	1	9.1	2.1	9.1	18	U
191-24-2	Benzo(g,h,i)perylene	1	9.1	2.1	9.1	36	U
65-85-0	Benzoic Acid	1	98	75	180	360	J
100-51-6	Benzyl Alcohol	1	18	5.0	18	18	U
101-55-3	4-Bromophenyl Phenyl Ether	1	18	4.4	18	18	U
85-68-7	Butyl Benzyl Phthalate	1	18	4.4	18	36	U
86-74-8	Carbazole	1	18	4.4	18	180	U
59-50-7	4-Chloro-3-methylphenol	1	18	5.5	18	18	U
106-47-8	4-Chloroaniline	1	18	9.7	18	73	U
111-91-1	Bis(2-chloroethoxy)methane	1	18	4.4	18	18	U
111-44-4	Bis(2-chloroethyl) Ether	1	18	4.3	18	18	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	9.1	4.0	9.1	18	U
91-58-7	2-Chloronaphthalene	1	18	5.4	18	18	U
95-57-8	2-Chlorophenol	1	18	4.3	18	18	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	18	4.1	18	18	U
218-01-9	Chrysene	1	18	4.2	18	18	U
53-70-3	Dibenz(a,h)anthracene	1	9.1	2.1	9.1	36	U
132-64-9	Dibenzofuran	1	18	5.3	18	18	U
84-74-2	Di-n-butyl Phthalate	1	36	15	36	73	U
106-46-7	1,4-Dichlorobenzene	1	18	5.3	18	18	U
95-50-1	1,2-Dichlorobenzene	1	18	6.0	18	18	U
541-73-1	1,3-Dichlorobenzene	1	18	6.2	18	18	U
91-94-1	3,3´-Dichlorobenzidine	1	730	300	730	910	U
120-83-2	2,4-Dichlorophenol	1	18	4.5	18	36	U
84-66-2	Diethyl Phthalate	1	18	5.3	18	18	U
105-67-9	2,4-Dimethylphenol	1	150	40	150	180	U
131-11-3	Dimethyl Phthalate	1	18	5.1	18	18	U
534-52-1	4,6-Dinitro-2-methylphenol	1	73	23	73	180	U
51-28-5	2,4-Dinitrophenol	1	180	61	180	180	U
606-20-2	2,6-Dinitrotoluene	1	9.1	4.4	9.1	18	U
121-14-2	2,4-Dinitrotoluene	1	9.1	3.6	9.1	36	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB30-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-02 File ID: 1409499-02.D

Sampled: 09/26/14 11:45 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 21:09

Solids: 91.67 Preparation: 3550C Sonication Extract Initial/Final: 28.4 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	18	4.2	18	18	U
122-66-7	1,2-Diphenylhydrazine	1	9.1	3.7	9.1	18	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	80	13	18	36	**B**
206-44-0	Fluoranthene	1	18	4.9	18	18	U
86-73-7	Fluorene	1	18	4.4	18	36	U
118-74-1	Hexachlorobenzene	1	18	5.2	18	18	U
87-68-3	Hexachlorobutadiene	1	18	5.0	18	18	U
67-72-1	Hexachloroethane	1	18	5.5	18	18	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.1	2.9	9.1	36	U
78-59-1	Isophorone	1	18	4.2	18	18	U
91-57-6	2-Methylnaphthalene	1	18	5.0	18	18	U
108-39-4	3+4-Methylphenol	1	9.1	4.0	9.1	18	U
95-48-7	2-Methylphenol	1	9.1	3.9	9.1	18	U
91-20-3	Naphthalene	1	18	6.1	18	18	U
100-01-6	4-Nitroaniline	1	73	27	73	360	U
88-74-4	2-Nitroaniline	1	9.1	3.9	9.1	18	U
99-09-2	3-Nitroaniline	1	36	18	36	360	U
98-95-3	Nitrobenzene	1	18	5.0	18	18	U
88-75-5	2-Nitrophenol	1	18	4.9	18	18	U
100-02-7	4-Nitrophenol	1	360	110	360	730	U
62-75-9	N-Nitroso-dimethylamine	1	7.3	3.6	7.3	36	U
86-30-6	N-Nitroso-diphenylamine	1	9.1	3.8	9.1	18	U
621-64-7	N-Nitroso-di-n-propylamine	1	18	4.4	18	18	U
87-86-5	Pentachlorophenol	1	18	14	18	180	U
85-01-8	Phenanthrene	1	18	4.5	18	18	U
108-95-2	Phenol	1	43	4.2	18	180	**J**
129-00-0	Pyrene	1	18	4.7	18	18	U
120-82-1	1,2,4-Trichlorobenzene	1	18	4.8	18	18	U
95-95-4	2,4,5-Trichlorophenol	1	18	4.9	18	18	U
88-06-2	2,4,6-Trichlorophenol	1	9.1	2.8	9.1	18	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	768	628	82	33 - 113	
Phenol-d6	768	668	87	30 - 115	
Nitrobenzene-d5	384	351	91	33 - 131	
2-Fluorobiphenyl	384	363	94	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB30-08

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-02
File ID: 1409499-02.D
Sampled: 09/26/14 11:45
Prepared: 10/02/14 07:41
Analyzed: 10/10/14 21:09
Solids: 91.67
Preparation: 3550C Sonication Extract
Initial/Final: 28.4 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	768	691	90	12 - 124	
o-Terphenyl	384	379	99	20 - 155	

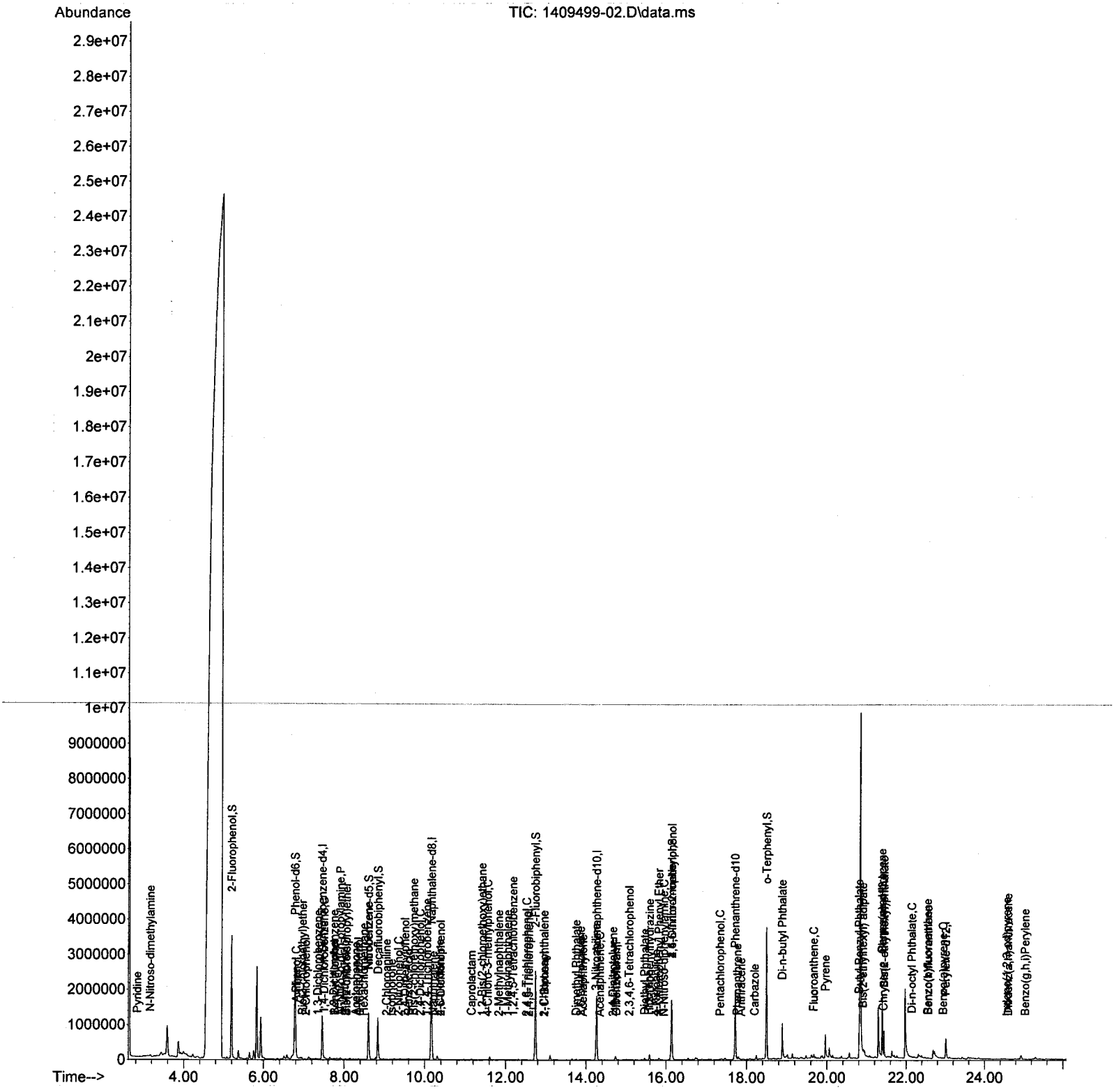
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	388448	7.453	403279	7.614	
Naphthalene-d8	1471804	10.163	1529030	10.359	
Acenaphthene-d10	789665	14.267	866604	14.474	
Phenanthrene-d10	1189302	17.717	1400442	17.901	
Chrysene-d12	783606	21.395	1153654	21.538	
Perylene-d12	326699	23.01	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-02.D
Acq On : 10 Oct 2014 21:09
Operator : JLB
Sample : 1409499-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 09:08:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-02.D
Acq On : 10 Oct 2014 21:09
Operator : JLB
Sample : 1409499-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 09:08:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.453	152	388448	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.163	136	1471804	5.00	ng/uL	-0.01
42) Acenaphthene-d10	14.267	164	789665	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.717	188	1189302	5.00	ng/uL	0.00
81) Chrysene-d12	21.395	240	783606	5.00	ng/uL	# 0.00
89) Perylene-d12	23.010	264	326699 low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.197	112	1450066	16.34	ng/uL	0.19
6) Phenol-d6	6.783	99	1997470	17.39	ng/uL	0.04
21) Nitrobenzene-d5	8.601	82	859349	9.13	ng/uL	0.00
23) Decafluorobiphenyl	8.834	334	520409	7.89	ng/uL	0.00
47) 2-Fluorobiphenyl	12.740	172	1541249	9.45	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.149	330	324719	18.00	ng/uL	0.00
78) o-Terphenyl	18.504	230	1004935	9.86	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.163	74	35125	RT 0.61	ng/uL#	7
3) Pyridine	2.837	79	261	0.00	ng/uL	92
5) Aniline	6.812	93	3288	0.26	ng/uL#	1
7) Phenol	6.806	94	146606	1.12	ng/uL#	62
8) Bis(2-chloroethyl)ether	6.963	93	165	0.00	ng/uL#	1
9) 2-Chlorophenol	7.045	128	321	0.00	ng/uL#	47
10) 1,3-Dichlorobenzene	7.342	146	2599	0.02	ng/uL#	4
11) 1,4-Dichlorobenzene	7.494	146	1262	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.744	146	348	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.059	45	619	0.00	ng/uL#	36
14) Benzyl Alcohol	7.762	108	2457	0.04	ng/uL	82
15) 2-Methylphenol	8.018	108	486	0.01	ng/uL#	1
16) Acetophenone	8.286	105	5871	0.04	ng/uL	91
17) Hexachloroethane	8.479	119	1399	0.03	ng/uL#	18
18) 4-Methylphenol	8.356	108	907	0.01	ng/uL#	71
19) N-Nitroso-di-n-propyla...	7.902	70	2998	0.04	ng/uL	96
22) Nitrobenzene	8.595	77	5244	0.05	ng/uL#	1
24) Isophorone	9.178	82	2267	0.01	ng/uL	99
25) 2-Chloroaniline	9.050	127	510	0.00	ng/uL#	25
26) 2-Nitrophenol	9.347	139	63	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.505	107	528	0.01	ng/uL#	49
28) Bis(2-chlorethoxy)methane	9.726	93	275	0.00	ng/uL#	73
29) 2,4-Dichlorophenol	9.884	162	470	0.01	ng/uL#	46
30) Benzoic Acid	9.592	105	8438	2.56	ng/uL	93
31) 1,2,4-Trichlorobenzene	10.053	180	1414	0.02	ng/uL	86
32) Naphthalene	10.210	128	2280	0.01	ng/uL#	1
33) 4-Chloroaniline	10.367	127	429	0.01	ng/uL#	1
34) 2,6-Dichlorophenol	10.391	162	284	0.00	ng/uL#	47
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.154	55	15009	0.35	ng/uL#	33
37) 1,2-Bis(2-chloroethoxy...	11.422	63	121	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.556	107	1338	0.02	ng/uL#	1
39) 2-Methylnaphthalene	11.830	142	879	0.00	ng/uL#	94
40) 1-Methylnaphthalene	12.046	142	742	0.00	ng/uL#	80
41) 1,3 Dinitrobenzene	13.841	168	59	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-02.D
Acq On : 10 Oct 2014 21:09
Operator : JLB
Sample : 1409499-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 09:08:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.180	216	176	0.00	ng/uL#	59
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	12.518	196	135	0.00	ng/uL#	10
46) 2,4,5-Trichlorophenol	12.576	196	147	0.00	ng/uL#	79
48) 2-Chloronaphthalene	12.949	162	580	0.00	ng/uL#	6
49) 1,1'-Biphenyl	12.961	154	940	0.00	ng/uL#	79
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	13.929	152	667	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	13.870	165	337	0.01	ng/uL#	31
53) Dimethyl Phthalate	13.760	163	16366	0.10	ng/uL#	89
54) 3-Nitroaniline	14.249	138	107	0.00	ng/uL#	1
55) Acenaphthene	14.342	153	346	0.00	ng/uL#	86
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.756	168	752	0.00	ng/uL#	34
58) 4-Nitrophenol	14.727	65	3633	0.11	ng/uL#	6
59) 2,4-Dinitrotoluene	14.669	165	56	0.00	ng/uL#	1
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	15.083	232	58	0.00	ng/uL#	1
62) Fluorene	15.572	166	805	0.00	ng/uL#	1
63) Diethyl Phthalate	15.467	149	16566	0.10	ng/uL	95
64) 4-Chlorophenyl Phenyl ...	15.829	204	1420	0.02	ng/uL#	26
65) 4-Nitroaniline	15.759	138	205	0.01	ng/uL#	56
67) 4,6-Dinitro-2-methylph...	16.149	198	847	~~1.01~~	ng/uL#	1
68) N-Nitroso-diphenylamine	15.945	169	470	0.00	ng/uL#	37
69) 1,2-Diphenylhydrazine	15.596	182	287	0.01	ng/uL	88
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	17.344	266	651	0.03	ng/uL#	1
75) Phenanthrene	17.764	178	9153	0.04	ng/uL	98
76) Anthracene	17.863	178	1214	0.01	ng/uL	96
77) Carbazole	18.201	167	1374	0.01	ng/uL#	42
79) Di-n-butyl Phthalate	18.889	149	28614	0.13	ng/uL#	93
80) Fluoroanthene	19.670	202	13356	0.06	ng/uL#	89
82) Pyrene	19.961	202	12586	0.07	ng/uL#	1
83) Butyl Benzyl Phthalate	20.806	149	8082	0.11	ng/uL#	7
84) Bis(2-ethylhexyl) adipate	20.905	129	3280	0.11	ng/uL#	100
85) Benzo(a)anthracene	21.389	228	5565	0.04	ng/uL#	35
86) Chrysene	21.418	228	4964	0.04	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.436	149	194353	2.07	ng/uL	92
88) Di-n-octyl Phthalate	22.141	149	23675	pp ~~0.48~~	ng/uL#	79
90) Benzo(b)fluoroanthene	22.549	252	3259m	0.05	ng/uL	
91) Benzo(k)fluoranthene	22.567	252	2818m	0.04	ng/uL	
92) Benzo(a)pyrene	22.940	252	2214	0.04	ng/uL#	74
93) Indeno(1,2,3-cd)pyrene	24.566	276	1955	0.04	ng/uL#	27
94) Dibdenz(a,h)anthracene	24.601	278	940	0.02	ng/uL#	79
95) Benzo(g,h,i)Perylene	25.038	276	1888	0.05	ng/uL#	45

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-02.D
Acq On : 10 Oct 2014 21:09
Operator : JLB
Sample : 1409499-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 08:50:11 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

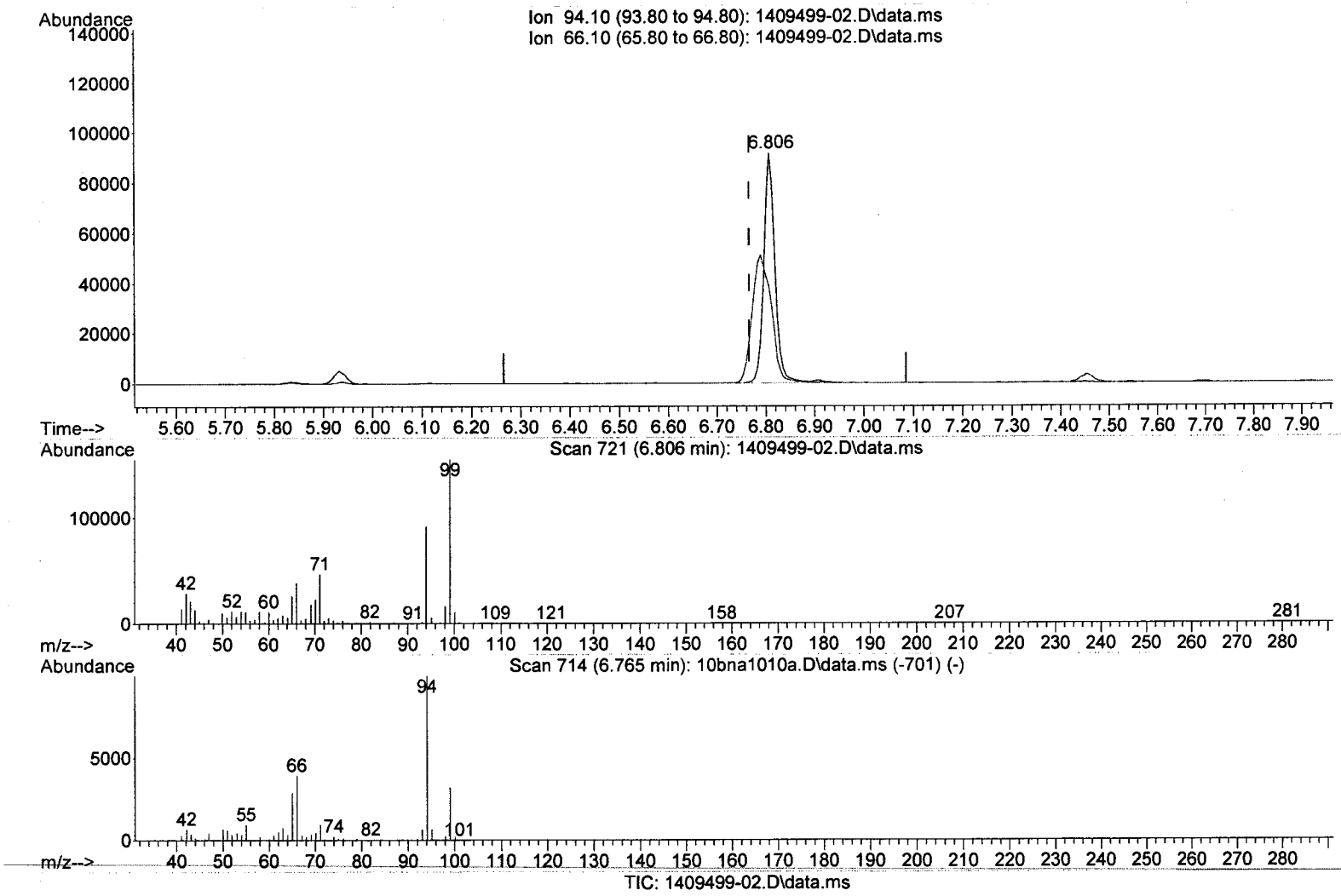
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.453	152	380340	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.163	136	1471804	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.267	164	788221	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.717	188	1190688	5.00	ng/uL		0.00
19) Chrysene-d12	21.395	240	783606	5.00	ng/uL	#	0.00
22) Perylene-d12	23.010	264	326699	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.052	74	3671	0.06	ng/uL		89
3) Pyridine	2.947	79	901	0.01	ng/uL		95
4) Aniline	6.812	93	3288	0.02	ng/uL	#	1
5) Benzaldehyde	6.567	105	18810	0.23	ng/uL	#	86
6) Acetophenone	8.286	105	5871	0.04	ng/uL		91
7) N-Nitroso-di-n-propyla...	8.321	70	1766	0.02	ng/uL		96
9) 4-Chloroaniline	10.367	127	429	0.01	ng/uL	#	1
10) Caprolactam	11.154	55	3729	0.17	ng/uL	#	47
12) 1,1'-Biphenyl	12.961	154	940	0.00	ng/uL	#	79
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.249	138	107	Below Cal		#	1
15) 4-Nitroaniline	15.590	138	172	Below Cal		#	1
17) N-Nitroso-diphenylamine	15.945	169	470	0.00	ng/uL	#	37
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.734	184	115	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.331	252	120	0.00	ng/uL	#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-02.D
Acq On : 10 Oct 2014 21:09
Operator : JLB
Sample : 1409499-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 09:06:20 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(7) Phenol (C)

6.806min (+ 0.041) 1.12 ng/uL

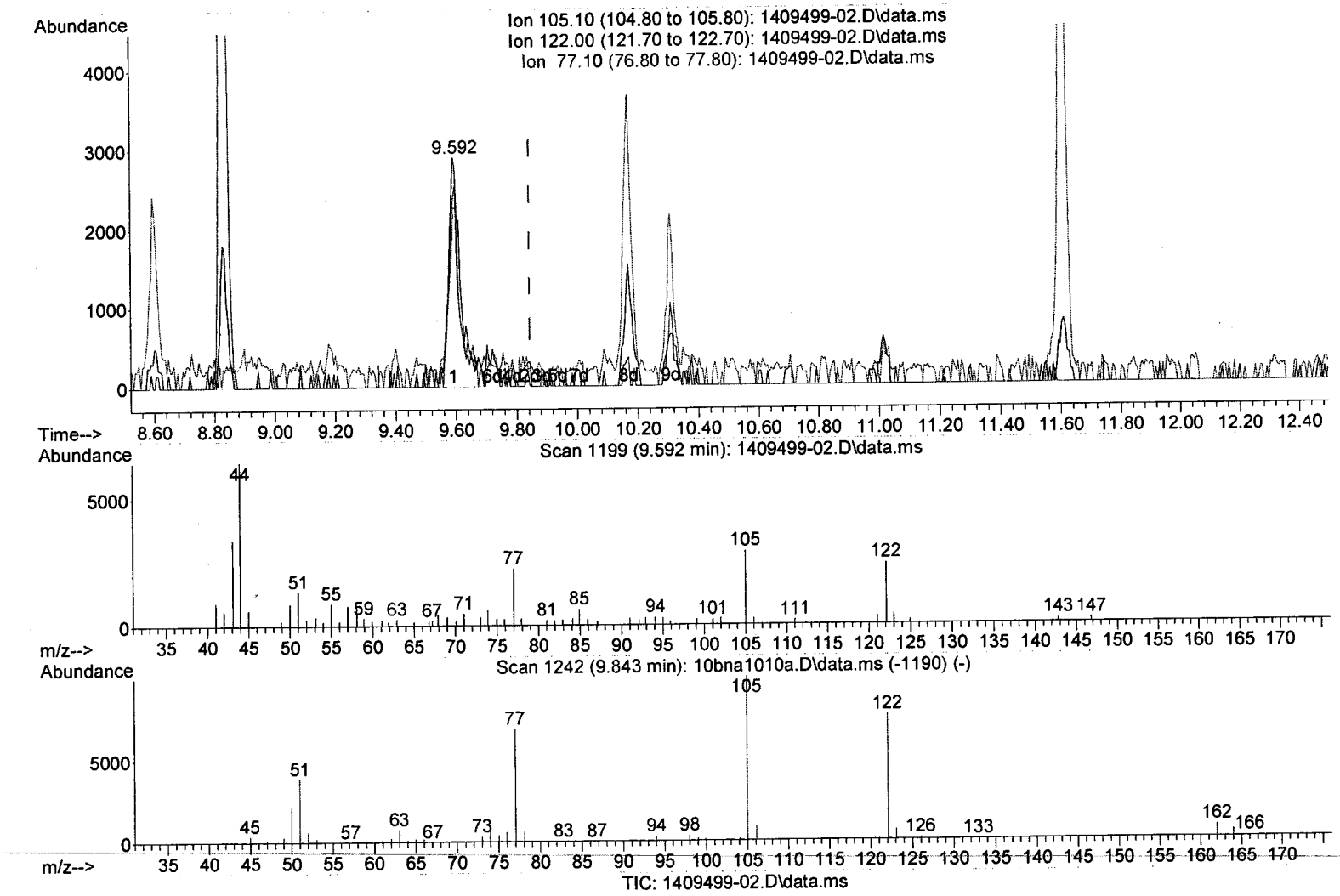
response 146606

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	95.18#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-02.D
Acq On : 10 Oct 2014 21:09
Operator : JLB
Sample : 1409499-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 09:06:20 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.592min (-0.251) 2.56 ng/uL

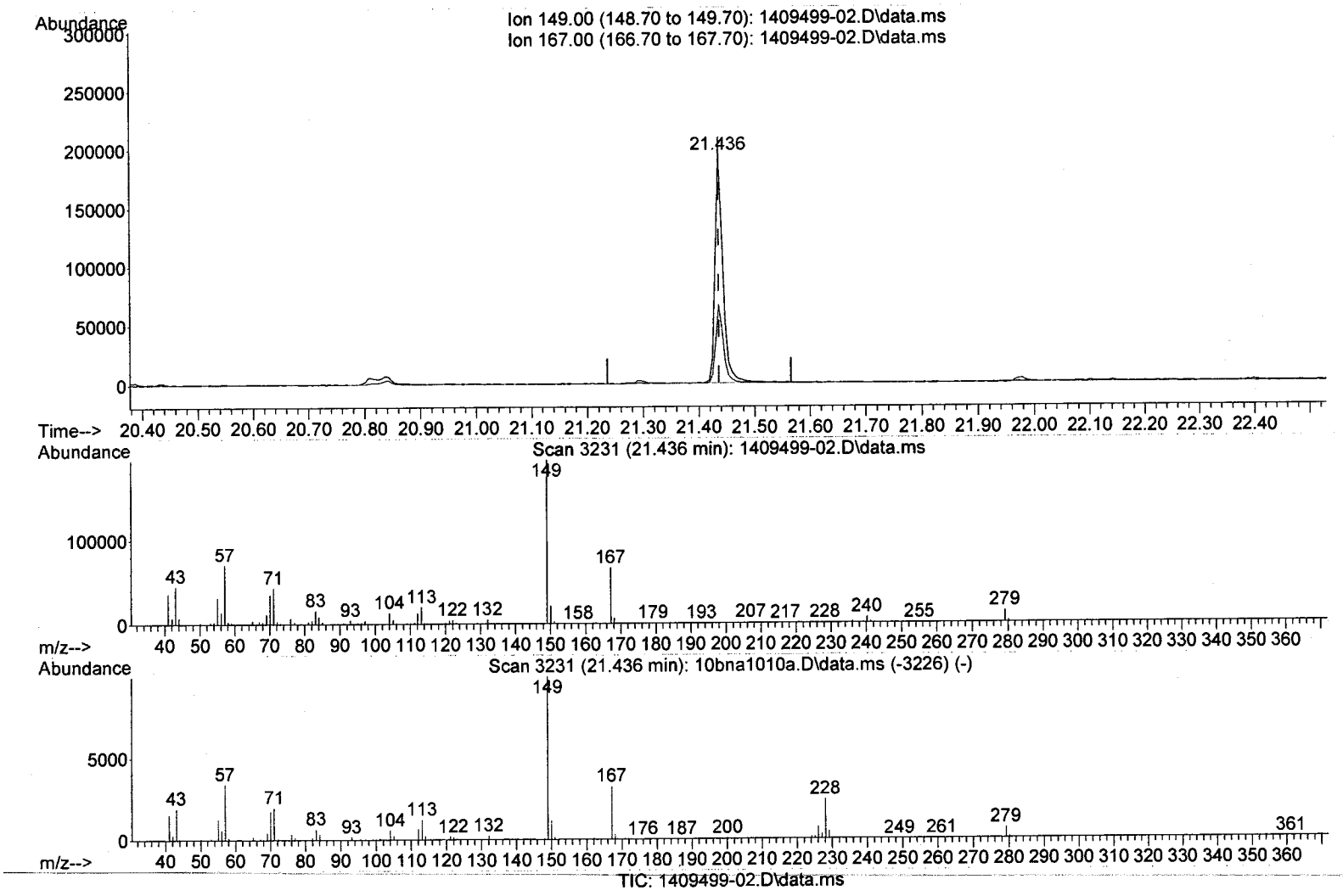
response 8438

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	73.12
77.10	74.70	79.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-02.D
Acq On : 10 Oct 2014 21:09
Operator : JLB
Sample : 1409499-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 09:06:20 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.436min (+ 0.000) 2.07 ng/uL

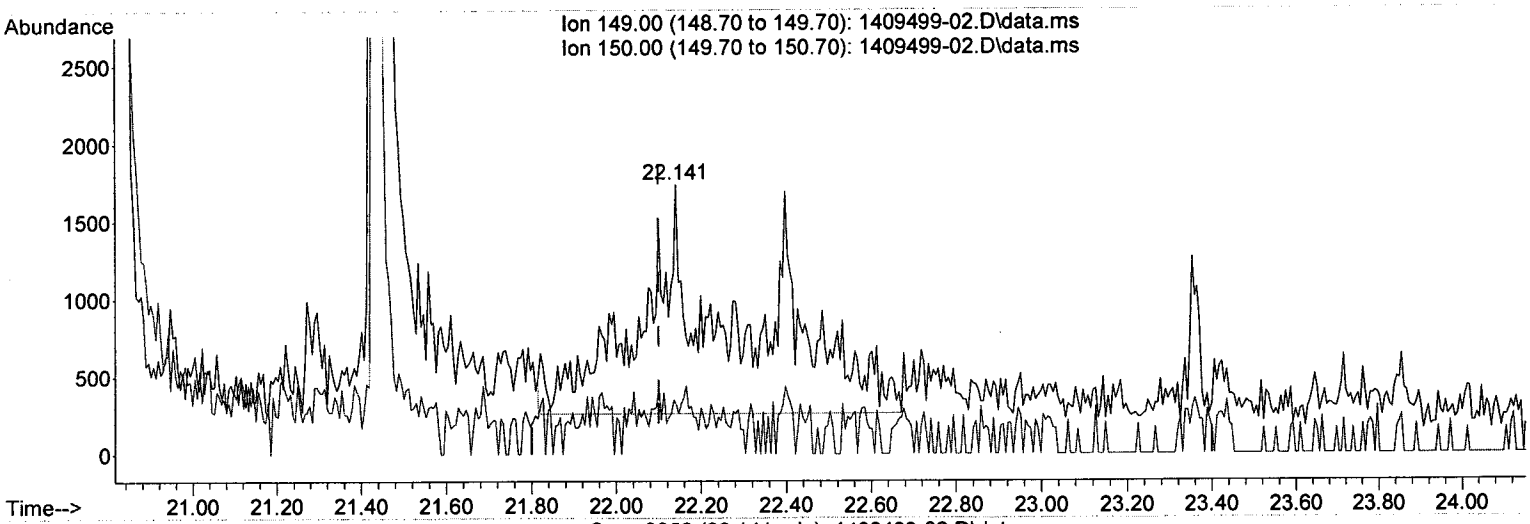
response 194353

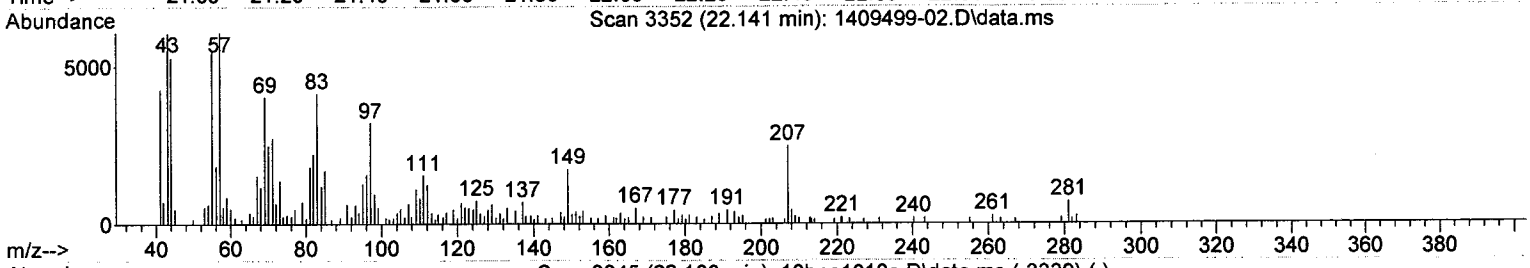
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.70
0.00	0.00	0.00
0.00	0.00	0.00

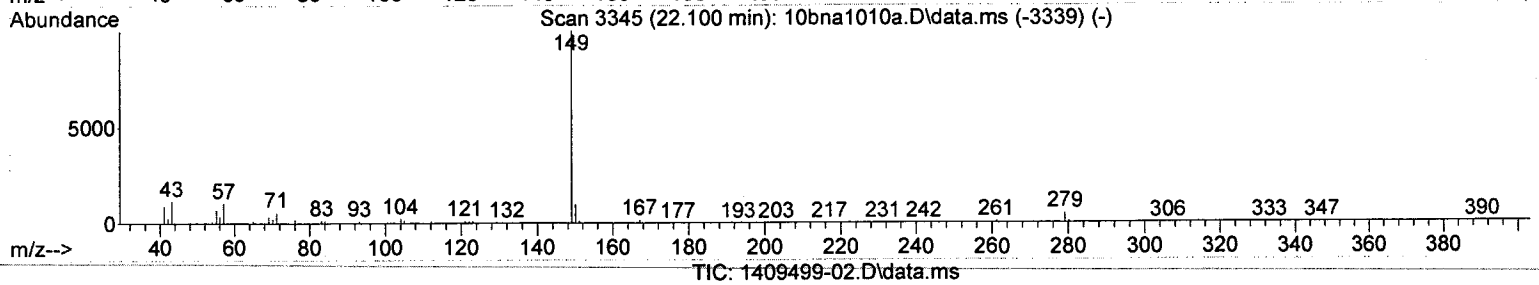
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-02.D
Acq On : 10 Oct 2014 21:09
Operator : JLB
Sample : 1409499-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 09:06:20 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1409499-02.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.141min (+ 0.041) 0.48 ng/uL

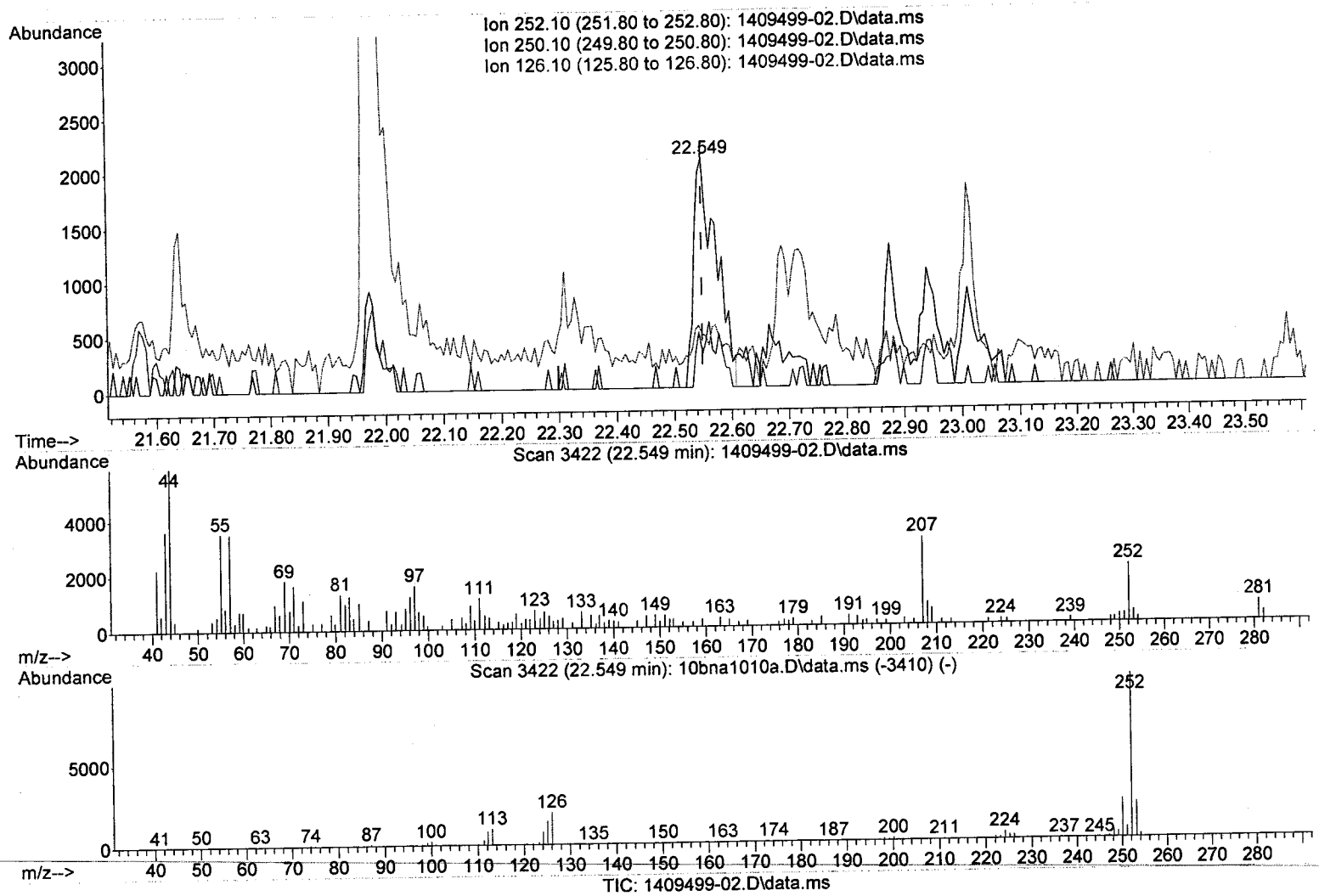
response 23675

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.75#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-02.D
Acq On : 10 Oct 2014 21:09
Operator : JLB
Sample : 1409499-02
Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 09:06:20 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.549min (+ 0.000) 0.10 ng/uL

response 5690

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	6.87#
126.10	17.20	10.42#
0.00	0.00	0.00

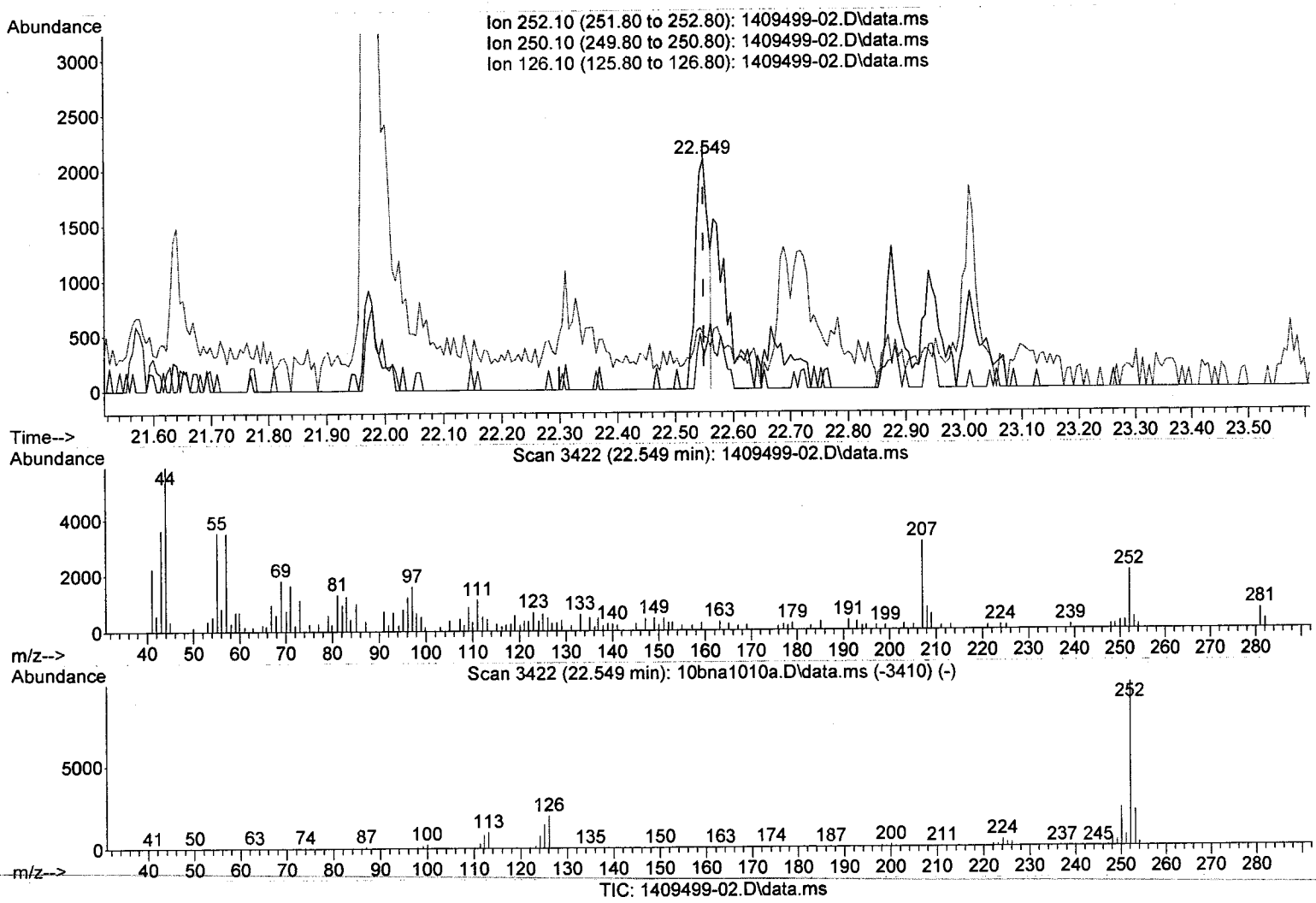
DWS 10-17-14

JMS 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-02.D
Acq On : 10 Oct 2014 21:09
Operator : JLB
Sample : 1409499-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 09:06:20 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.549min (+ 0.000) 0.05 ng/uL m

response 3259

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	12.00#
126.10	17.20	18.20
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

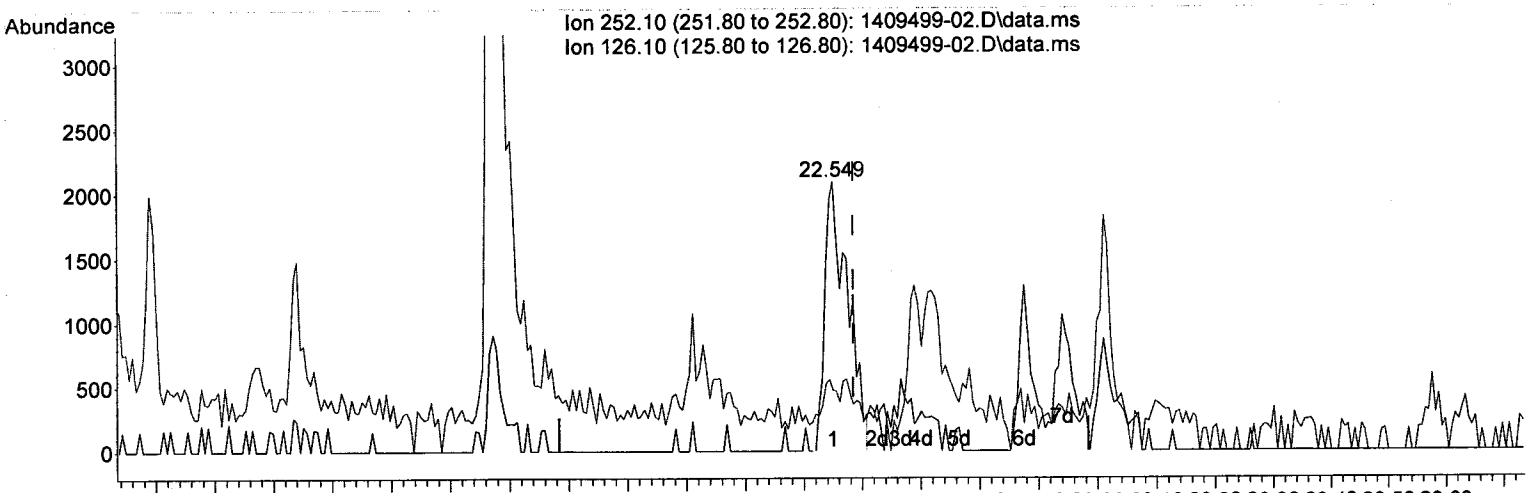
Reviewed By: DW Date: 10-17-14

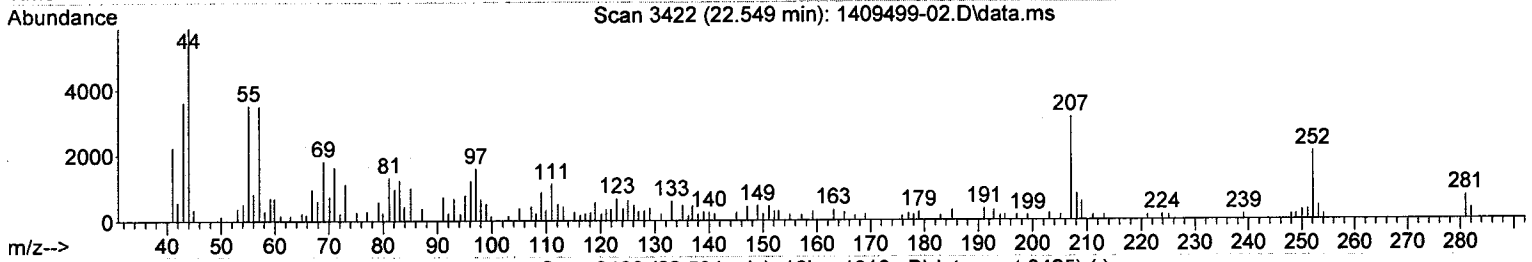
MDL

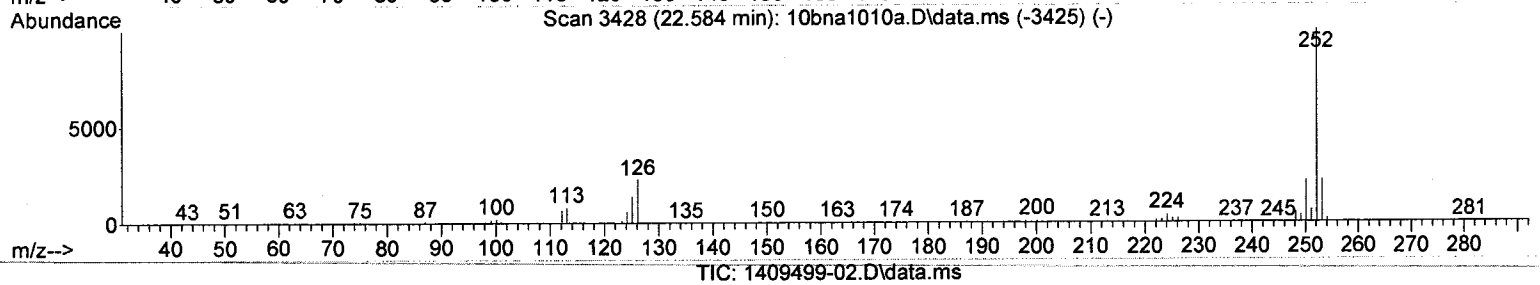
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-02.D
Acq On : 10 Oct 2014 21:09
Operator : JLB
Sample : 1409499-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 09:06:20 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1409499-02.D\data.ms

(91) Benzo(k)fluoranthene

22.549min (-0.035) 0.08 ng/uL

response 5690

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	10.42#
0.00	0.00	0.00
0.00	0.00	0.00

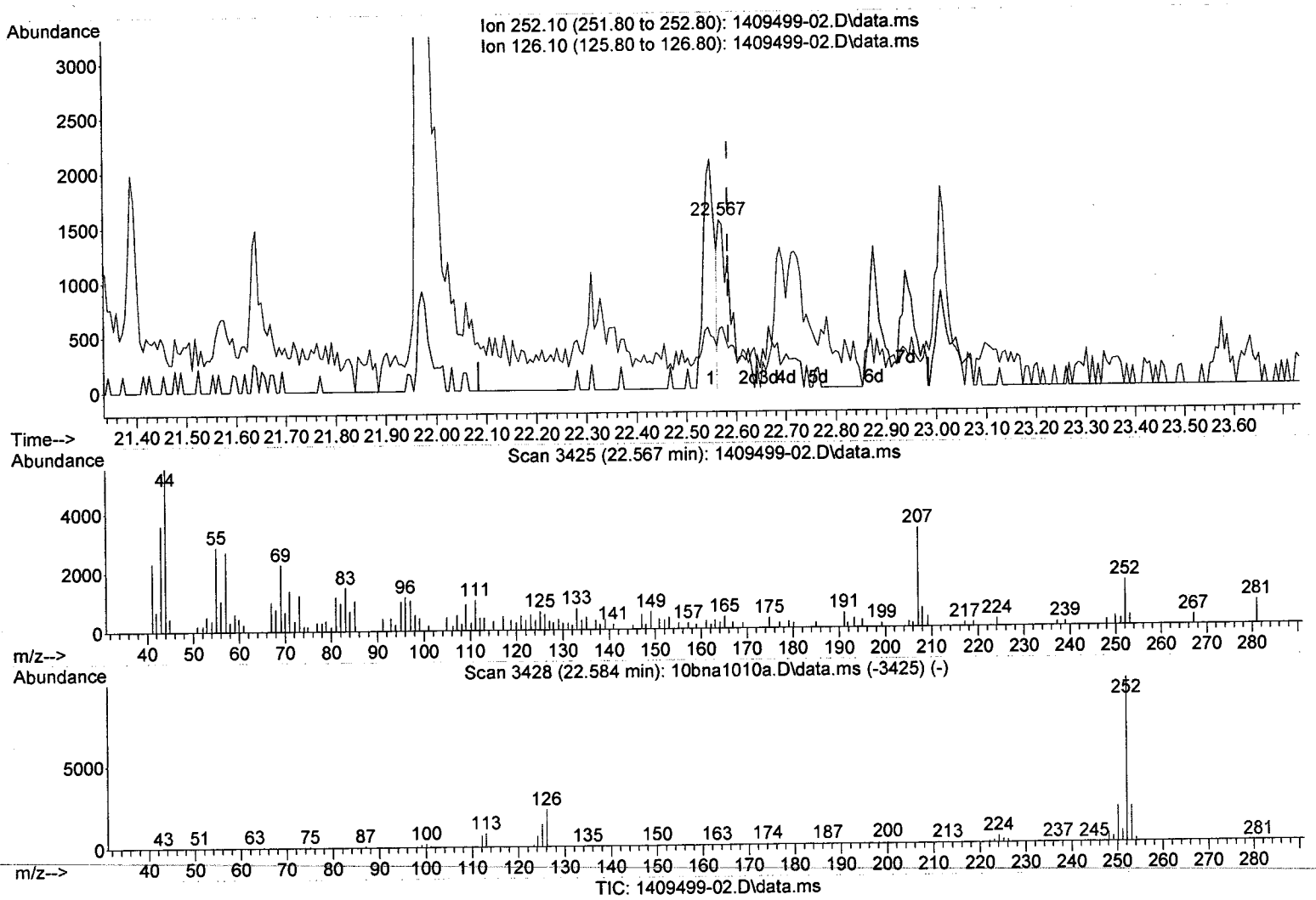
DWS 12-17-14

JWS 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-02.D
Acq On : 10 Oct 2014 21:09
Operator : JLB
Sample : 1409499-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 09:06:20 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.567min (-0.017) 0.04 ng/uL m

response 2818

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	21.04
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: DW Date: 10-17-14

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB30-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-02RE1 File ID: 1409499-02 2x.D

Sampled: 09/26/14 11:45 Prepared: 10/02/14 07:41 Analyzed: 10/14/14 17:19

Solids: 91.67 Preparation: 3550C Sonication Extract Initial/Final: 28.4 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	2	36	10	36	36	U
208-96-8	Acenaphthylene	2	36	9.1	36	36	U
120-12-7	Anthracene	2	36	8.7	36	36	U
56-55-3	Benzo(a)anthracene	2	18	6.0	18	36	U
50-32-8	Benzo(a)pyrene	2	18	5.0	18	36	U
205-99-2	Benzo(b)fluoranthene	2	4.6	4.2	18	36	J
207-08-9	Benzo(k)fluoranthene	2	18	4.3	18	36	U
191-24-2	Benzo(g,h,i)perylene	2	18	4.1	18	73	U
65-85-0	Benzoic Acid	2	190	150	360	730	J
100-51-6	Benzyl Alcohol	2	36	10	36	36	U
101-55-3	4-Bromophenyl Phenyl Ether	2	36	8.8	36	36	U
85-68-7	Butyl Benzyl Phthalate	2	36	8.7	36	73	U
86-74-8	Carbazole	2	36	8.8	36	360	U
59-50-7	4-Chloro-3-methylphenol	2	36	11	36	36	U
106-47-8	4-Chloroaniline	2	36	19	36	150	U
111-91-1	Bis(2-chloroethoxy)methane	2	36	8.8	36	36	U
111-44-4	Bis(2-chloroethyl) Ether	2	36	8.6	36	36	U
108-60-1	Bis(2-chloroisopropyl) Ether	2	18	8.0	18	36	U
91-58-7	2-Chloronaphthalene	2	36	11	36	36	U
95-57-8	2-Chlorophenol	2	36	8.6	36	36	U
7005-72-3	4-Chlorophenyl Phenyl Ether	2	36	8.3	36	36	U
218-01-9	Chrysene	2	36	8.5	36	36	U
53-70-3	Dibenz(a,h)anthracene	2	18	4.2	18	73	U
132-64-9	Dibenzofuran	2	36	11	36	36	U
84-74-2	Di-n-butyl Phthalate	2	73	29	73	150	U
106-46-7	1,4-Dichlorobenzene	2	36	11	36	36	U
95-50-1	1,2-Dichlorobenzene	2	36	12	36	36	U
541-73-1	1,3-Dichlorobenzene	2	36	12	36	36	U
91-94-1	3,3'-Dichlorobenzidine	2	1500	610	1500	1800	U
120-83-2	2,4-Dichlorophenol	2	36	8.9	36	73	U
84-66-2	Diethyl Phthalate	2	36	11	36	36	U
105-67-9	2,4-Dimethylphenol	2	290	79	290	360	U
131-11-3	Dimethyl Phthalate	2	36	10	36	36	U
534-52-1	4,6-Dinitro-2-methylphenol	2	150	47	150	360	U
51-28-5	2,4-Dinitrophenol	2	360	120	360	360	U
606-20-2	2,6-Dinitrotoluene	2	18	8.7	18	36	U
121-14-2	2,4-Dinitrotoluene	2	18	7.2	18	73	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB30-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-02RE1 File ID: 1409499-02 2x.D

Sampled: 09/26/14 11:45 Prepared: 10/02/14 07:41 Analyzed: 10/14/14 17:19

Solids: 91.67 Preparation: 3550C Sonication Extract Initial/Final: 28.4 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	2	35	8.4	36	36	JB
122-66-7	1,2-Diphenylhydrazine	2	18	7.3	18	36	U
117-81-7	Bis(2-ethylhexyl) Phthalate	2	68	25	36	73	JB
206-44-0	Fluoranthene	2	36	9.8	36	36	U
86-73-7	Fluorene	2	36	8.8	36	73	U
118-74-1	Hexachlorobenzene	2	36	10	36	36	U
87-68-3	Hexachlorobutadiene	2	36	10	36	36	U
67-72-1	Hexachloroethane	2	36	11	36	36	U
193-39-5	Indeno(1,2,3-cd)pyrene	2	18	5.8	18	73	U
78-59-1	Isophorone	2	36	8.4	36	36	U
91-57-6	2-Methylnaphthalene	2	36	9.9	36	36	U
108-39-4	3+4-Methylphenol	2	18	8.0	18	36	U
95-48-7	2-Methylphenol	2	18	7.7	18	36	U
91-20-3	Naphthalene	2	36	12	36	36	U
100-01-6	4-Nitroaniline	2	150	53	150	720	U
88-74-4	2-Nitroaniline	2	18	7.8	18	36	U
99-09-2	3-Nitroaniline	2	73	36	73	720	U
98-95-3	Nitrobenzene	2	36	10	36	36	U
88-75-5	2-Nitrophenol	2	36	9.8	36	36	U
100-02-7	4-Nitrophenol	2	730	220	730	1500	U
62-75-9	N-Nitroso-dimethylamine	2	15	7.2	15	73	U
86-30-6	N-Nitroso-diphenylamine	2	18	7.5	18	36	U
621-64-7	N-Nitroso-di-n-propylamine	2	36	8.8	36	36	U
87-86-5	Pentachlorophenol	2	36	29	36	360	U
85-01-8	Phenanthrene	2	36	8.9	36	36	U
108-95-2	Phenol	2	42	8.5	36	360	J
129-00-0	Pyrene	2	36	9.4	36	36	U
120-82-1	1,2,4-Trichlorobenzene	2	36	9.7	36	36	U
95-95-4	2,4,5-Trichlorophenol	2	36	9.8	36	36	U
88-06-2	2,4,6-Trichlorophenol	2	18	5.5	18	36	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	768	651	85	33 - 113	
Phenol-d6	768	673	88	30 - 115	
Nitrobenzene-d5	384	313	81	33 - 131	
2-Fluorobiphenyl	384	330	86	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB30-08

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-02RE1
File ID: 1409499-02 2x.D
Sampled: 09/26/14 11:45
Prepared: 10/02/14 07:41
Analyzed: 10/14/14 17:19
Solids: 91.67
Preparation: 3550C Sonication Extract
Initial/Final: 28.4 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	768	657	85	12 - 124	
o-Terphenyl	384	370	96	20 - 155	

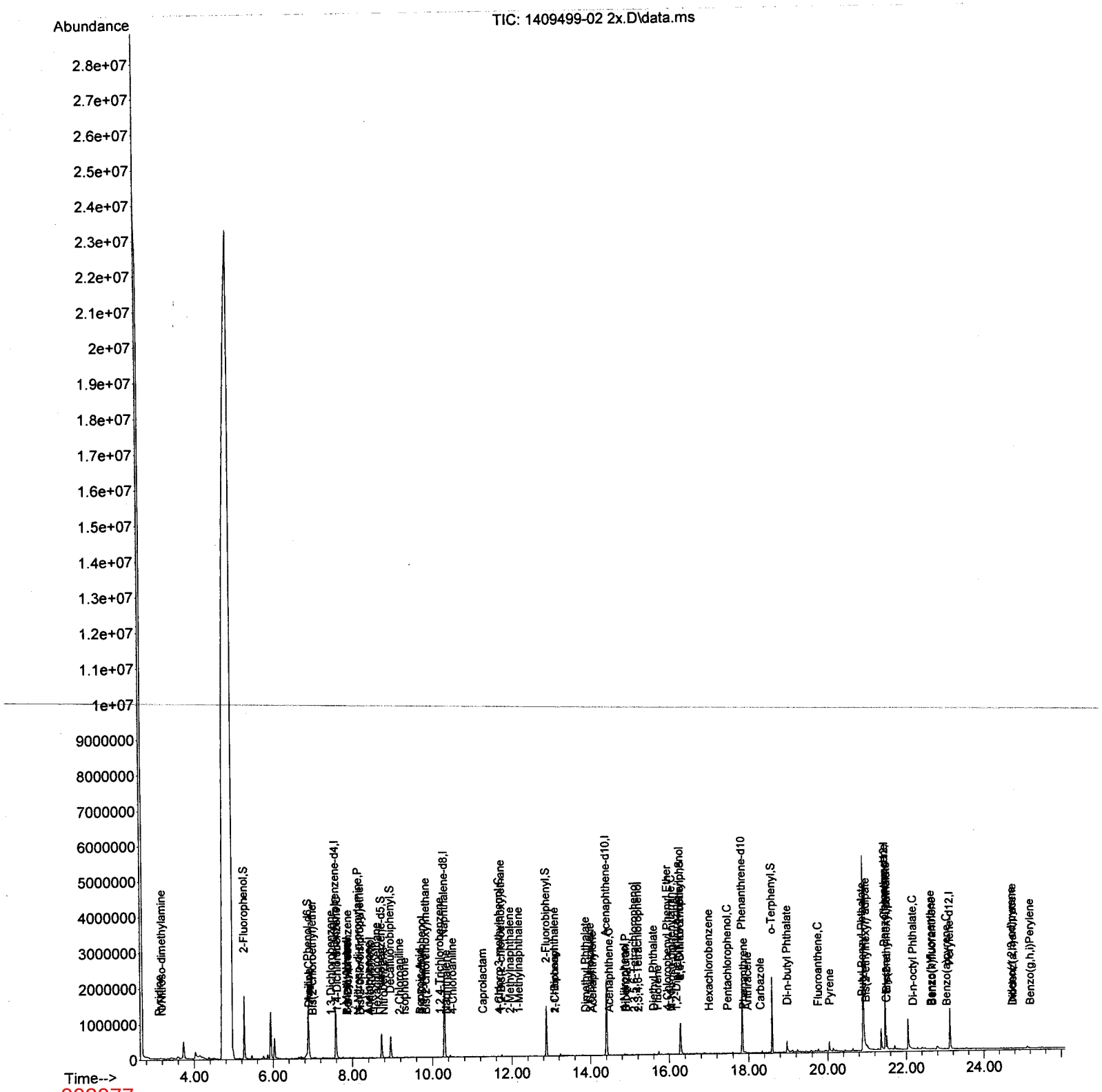
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	397099	7.585	403279	7.614	
Naphthalene-d8	1547161	10.307	1529030	10.359	
Acenaphthene-d10	873758	14.411	866604	14.474	
Phenanthrene-d10	1323531	17.838	1400442	17.901	
Chrysene-d12	962085	21.469	1153654	21.538	
Perylene-d12	610493	23.125	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-02 2x.D
Acq On : 14 Oct 2014 17:19
Operator : JLB
Inst : 339
Sample : 1409499-02 2x
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 08:02:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-02 2x.D
Acq On : 14 Oct 2014 17:19
Operator : JLB RE1
Sample : 1409499-02 2x Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 08:02:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.585	152	397099	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.307	136	1547161	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.411	164	873758	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.838	188	1323531	5.00	ng/uL	0.00
81) Chrysene-d12	21.469	240	962085	5.00	ng/uL	# 0.00
89) Perylene-d12	23.125	264	610493	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.271	112	768328	8.47	ng/uL	0.12
6) Phenol-d6	6.892	99	1028657	8.76	ng/uL	0.02
21) Nitrobenzene-d5	8.728	82	402471	4.07	ng/uL	-0.02
23) Decafluorobiphenyl	8.955	334	261240	3.77	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.878	172	773931	4.29	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.288	330	171673	8.55	ng/uL	-0.01
78) o-Terphenyl	18.601	230	546828	4.82	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.196	74	144	0.00	ng/uL	89
3) Pyridine	3.132	79	148	0.00	ng/uL#	14
5) Aniline	6.909	93	1558	0.24	ng/uL#	1
7) Phenol	6.915	94	74023	0.55	ng/uL#	64
8) Bis(2-chloroethyl)ether	7.003	93	225	0.00	ng/uL#	49
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.469	146	1145	0.01	ng/uL#	1
11) 1,4-Dichlorobenzene	7.620	146	617	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.906	146	1121	0.01	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.209	45	173	0.00	ng/uL#	51
14) Benzyl Alcohol	7.877	108	925	0.01	ng/uL#	76
15) 2-Methylphenol	7.877	108	925	0.01	ng/uL#	23
16) Acetophenone	8.419	105	3370	0.02	ng/uL#	79
17) Hexachloroethane	8.617	119	617	0.01	ng/uL#	3
18) 4-Methylphenol	8.454	108	306	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.162	70	815	0.01	ng/uL	83
22) Nitrobenzene	8.786	77	65	0.00	ng/uL#	30
24) Isophorone	9.311	82	887	0.00	ng/uL#	58
25) 2-Chloroaniline	9.188	127	59	0.00	ng/uL#	1
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.748	107	175	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.847	93	68	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.701	105	4758m	2.51	ng/uL	
31) 1,2,4-Trichlorobenzene	10.197	180	627	0.01	ng/uL#	73
32) Naphthalene	10.354	128	1733	0.01	ng/uL	96
33) 4-Chloroaniline	10.511	127	139	0.00	ng/uL	92
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.275	55	9653	0.22	ng/uL#	33
37) 1,2-Bis(2-chloroethoxy...	11.741	63	895	0.01	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.689	107	294	0.00	ng/uL#	58
39) 2-Methylnaphthalene	11.963	142	1407	0.01	ng/uL#	88
40) 1-Methylnaphthalene	12.184	142	1910	0.01	ng/uL#	93
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-02 2x.D
Acq On : 14 Oct 2014 17:19
Operator : JLB
Sample : 1409499-02 2x Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 08:02:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.099	162	343	0.00 ng/uL	89
49) 1,1'-Biphenyl	13.099	154	925	0.00 ng/uL#	78
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.067	152	563	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.009	165	85	0.00 ng/uL#	31
53) Dimethyl Phthalate	13.892	163	8426	0.04 ng/uL#	89
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.481	153	1779	0.01 ng/uL	92
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.906	168	641	0.00 ng/uL	99
58) 4-Nitrophenol	14.871	65	1722	0.05 ng/uL#	20
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	15.116	232	154	0.00 ng/uL#	18
61) 2,3,4,6-Tetrachlorophenol	15.221	232	138	0.00 ng/uL#	74
62) Fluorene	15.716	166	1490	0.01 ng/uL#	53
63) Diethyl Phthalate	15.606	149	8229	0.05 ng/uL	95
64) 4-Chlorophenyl Phenyl ...	15.967	204	905	0.01 ng/uL#	36
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	16.282	198	372	RT 1.00 ng/uL#	1
68) N-Nitroso-diphenylamine	16.066	169	334	0.00 ng/uL#	84
69) 1,2-Diphenylhydrazine	16.194	182	804	0.02 ng/uL	94
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	17.010	284	59	0.00 ng/uL#	19
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.477	266	815	0.03 ng/uL#	54
75) Phenanthrene	17.879	178	9651	0.04 ng/uL	96
76) Anthracene	17.978	178	2619	0.01 ng/uL#	84
77) Carbazole	18.304	167	1283	0.01 ng/uL#	83
79) Di-n-butyl Phthalate	18.986	149	15802	0.06 ng/uL#	94
80) Fluoroanthene	19.761	202	9373	0.04 ng/uL#	86
82) Pyrene	20.053	202	9404	0.04 ng/uL#	18
83) Butyl Benzyl Phthalate	20.886	149	4143	0.05 ng/uL	93
84) Bis(2-ethylhexyl) adipate	20.985	129	1965	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.463	228	7304	0.04 ng/uL#	18
86) Chrysene	21.498	228	6126	0.04 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.510	149	101700	0.88 ng/uL	92
88) Di-n-octyl Phthalate	22.180	149	25652	0.46 ng/uL#	80
90) Benzo(b)fluoroanthene	22.641	252	6128	0.06 ng/uL#	88
91) Benzo(k)fluoranthene	22.676	252	5230	0.04 ng/uL#	73
92) Benzo(a)pyrene	23.043	252	3864	0.04 ng/uL#	47
93) Indeno(1,2,3-cd)pyrene	24.733	276	2062	0.02 ng/uL	91
94) Dibdenz(a,h)anthracene	24.757	278	1164	0.02 ng/uL#	87
95) Benzo(g,h,i)Perylene	25.205	276	1846	0.02 ng/uL#	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-02 2x.D
Acq On : 14 Oct 2014 17:19
Operator : JLB
Sample : 1409499-02 2x
Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 07:50:33 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration

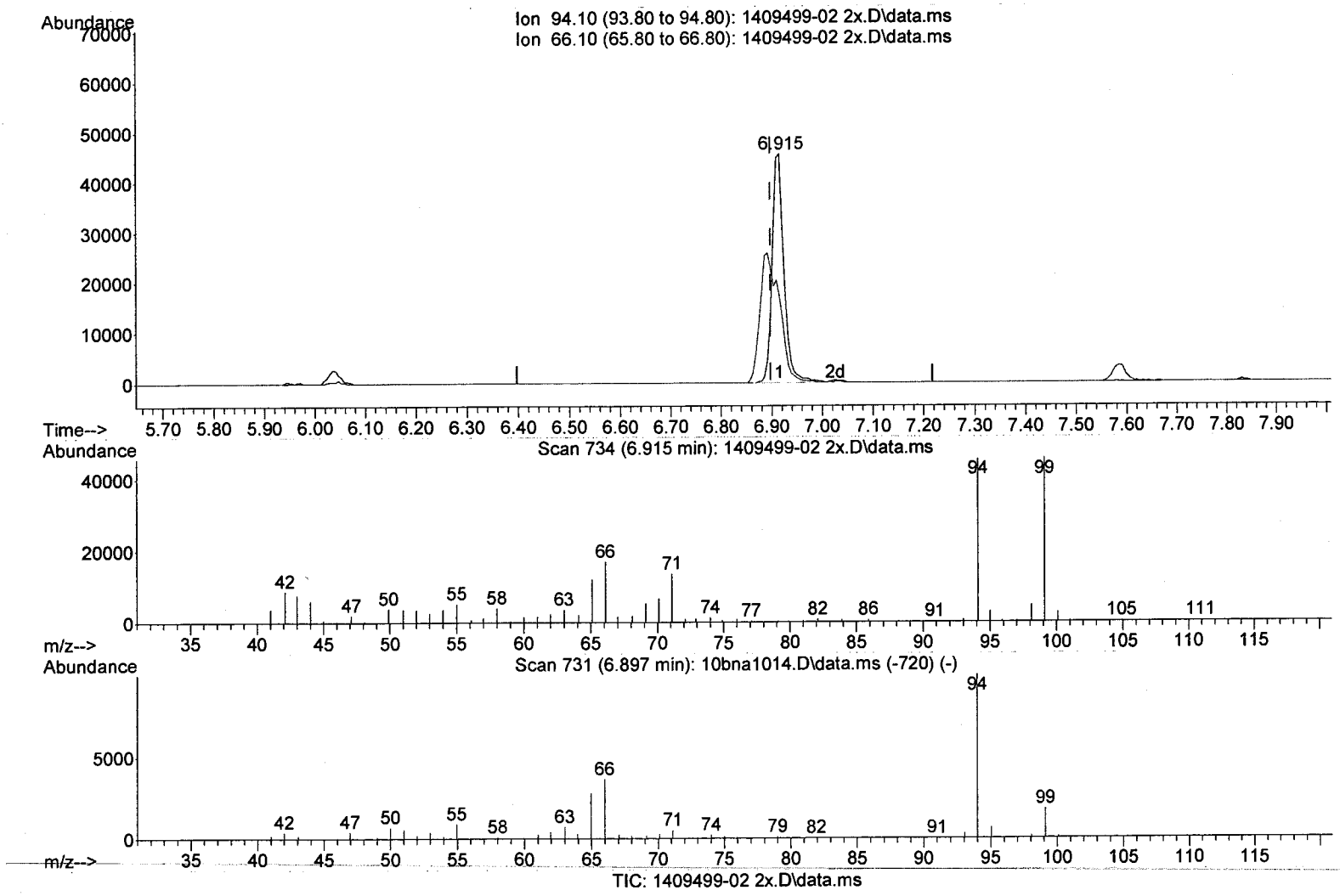
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.585	152	393065	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.307	136	1547161	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.411	164	872554	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.838	188	1323531	5.00	ng/uL		0.00
19) Chrysene-d12	21.469	240	962085	5.00	ng/uL	#	0.00
22) Perylene-d12	23.125	264	611968	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.196	74	144	0.00	ng/uL#		1
3) Pyridine	3.173	79	187	0.00	ng/uL#		14
4) Aniline	6.909	93	1558	0.01	ng/uL#		1
5) Benzaldehyde	6.752	105	8167	0.09	ng/uL#		36
6) Acetophenone	8.419	105	3370	0.02	ng/uL#		79
7) N-Nitroso-di-n-propyla...	8.162	70	815	0.01	ng/uL		83
9) 4-Chloroaniline	10.511	127	139	0.01	ng/uL		92
10) Caprolactam	11.275	55	2274	0.14	ng/uL#		47
12) 1,1'-Biphenyl	13.099	154	925	0.00	ng/uL#		78
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.979	138	53	Below Cal	#		1
17) N-Nitroso-diphenylamine	16.066	169	334	0.00	ng/uL#		84
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.995	184	120	0.41	ng/uL#		1
21) 3,3'-Dichlorobenzidine	21.376	252	293	0.01	ng/uL#		19

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-02 2x.D
Acq On : 14 Oct 2014 17:19
Operator : JLB
Sample : 1409499-02 2x Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 08:01:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-02 2x.D\data.ms

(7) Phenol (C)

6.915min (+ 0.018) 0.55 ng/uL

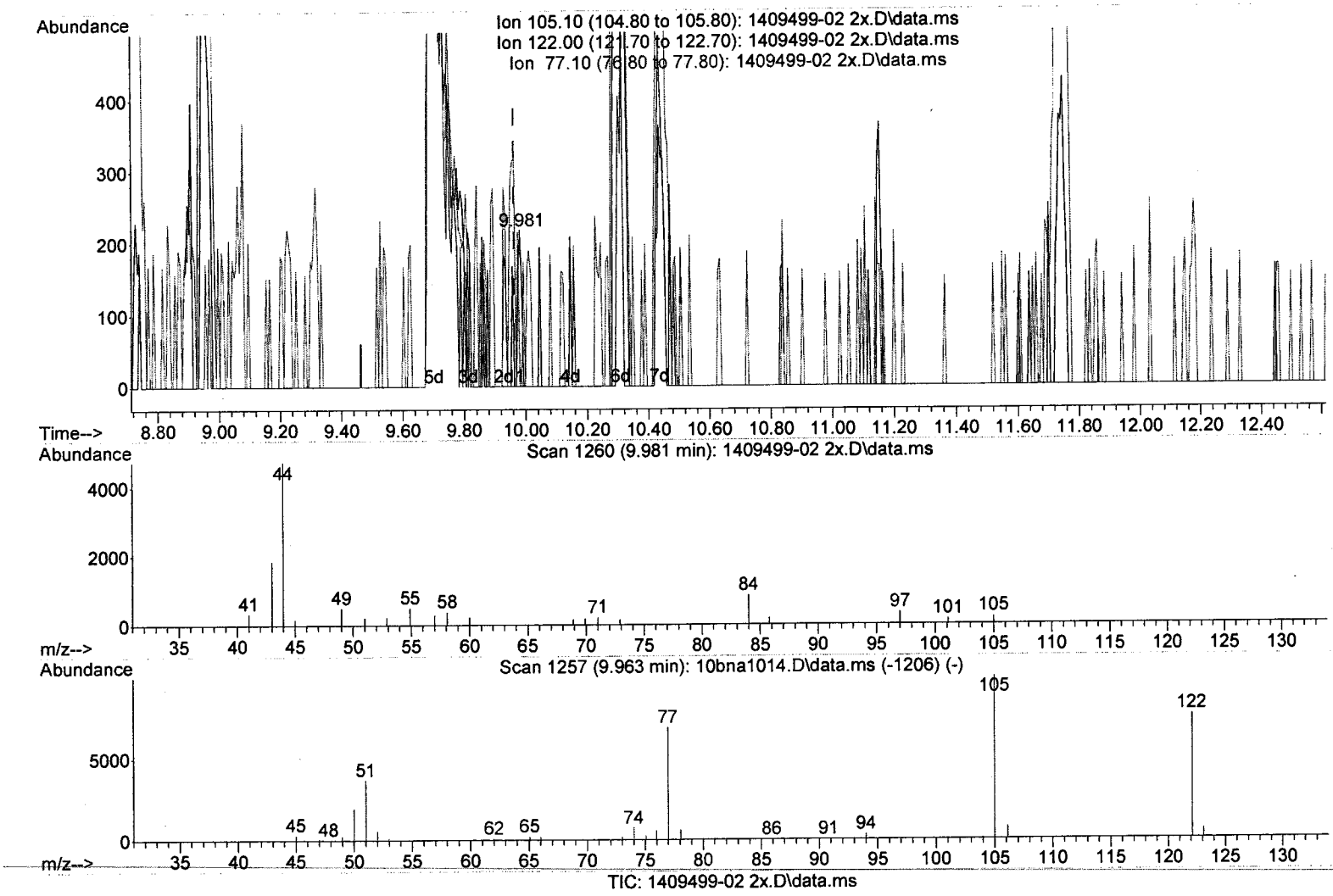
response 74023

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	93.38#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-02 2x.D
Acq On : 14 Oct 2014 17:19
Operator : JLB
Sample : 1409499-02 2x Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 08:01:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-02 2x.D\data.ms

(30) Benzoic Acid

9.981min (+ 0.018) 2.46 ng/uL

response 182

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	247.25#
0.00	0.00	0.00

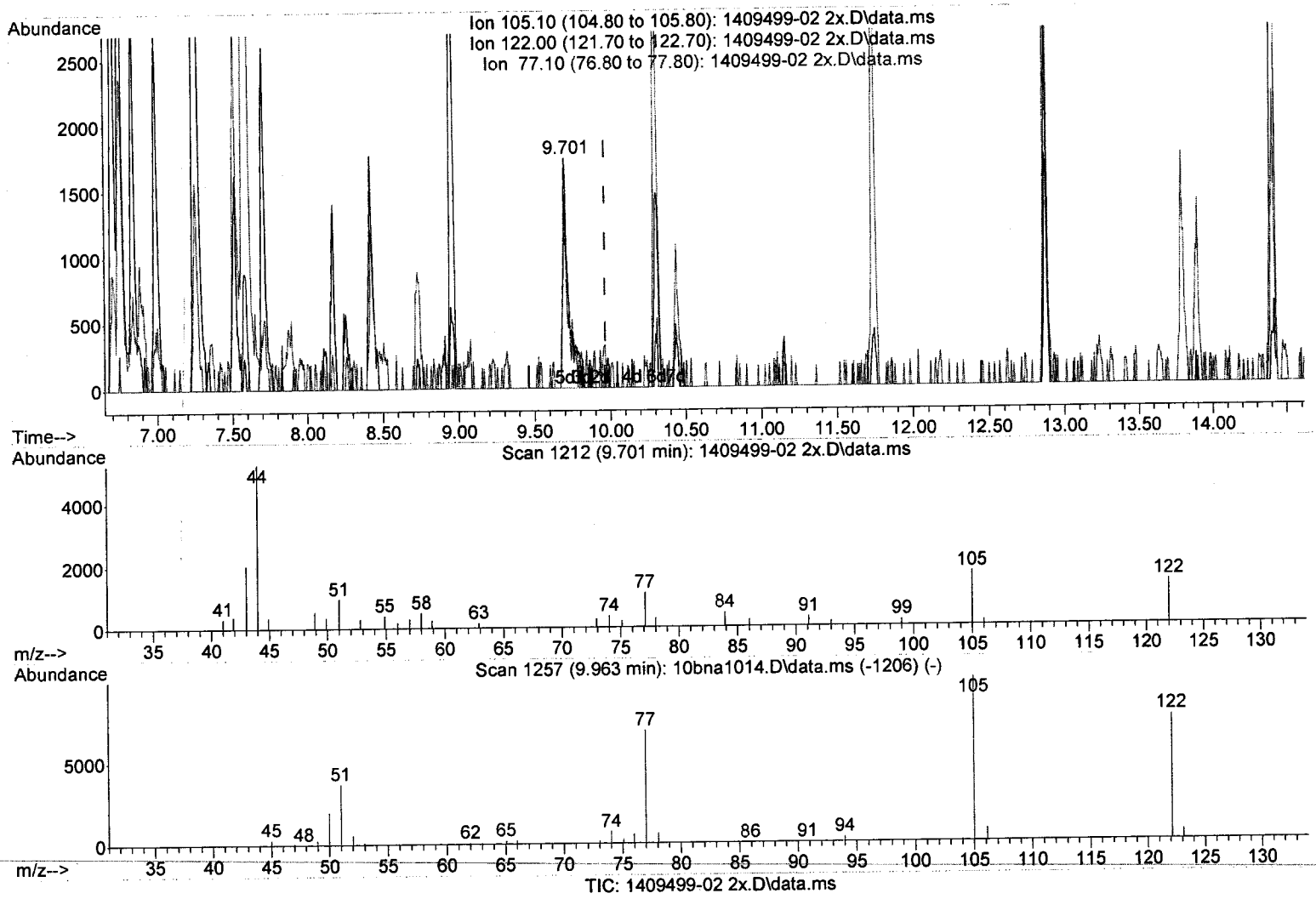
JWS 10/15/14

DWG 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-02 2x.D
Acq On : 14 Oct 2014 17:19
Operator : JLB
Sample : 1409499-02 2x Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 08:01:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-02 2x.D\data.ms

(30) Benzoic Acid

9.701min (-0.262) 2.51 ng/uL m

response 4758

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	9.46#
0.00	0.00	0.00

Manual Integration Explanation

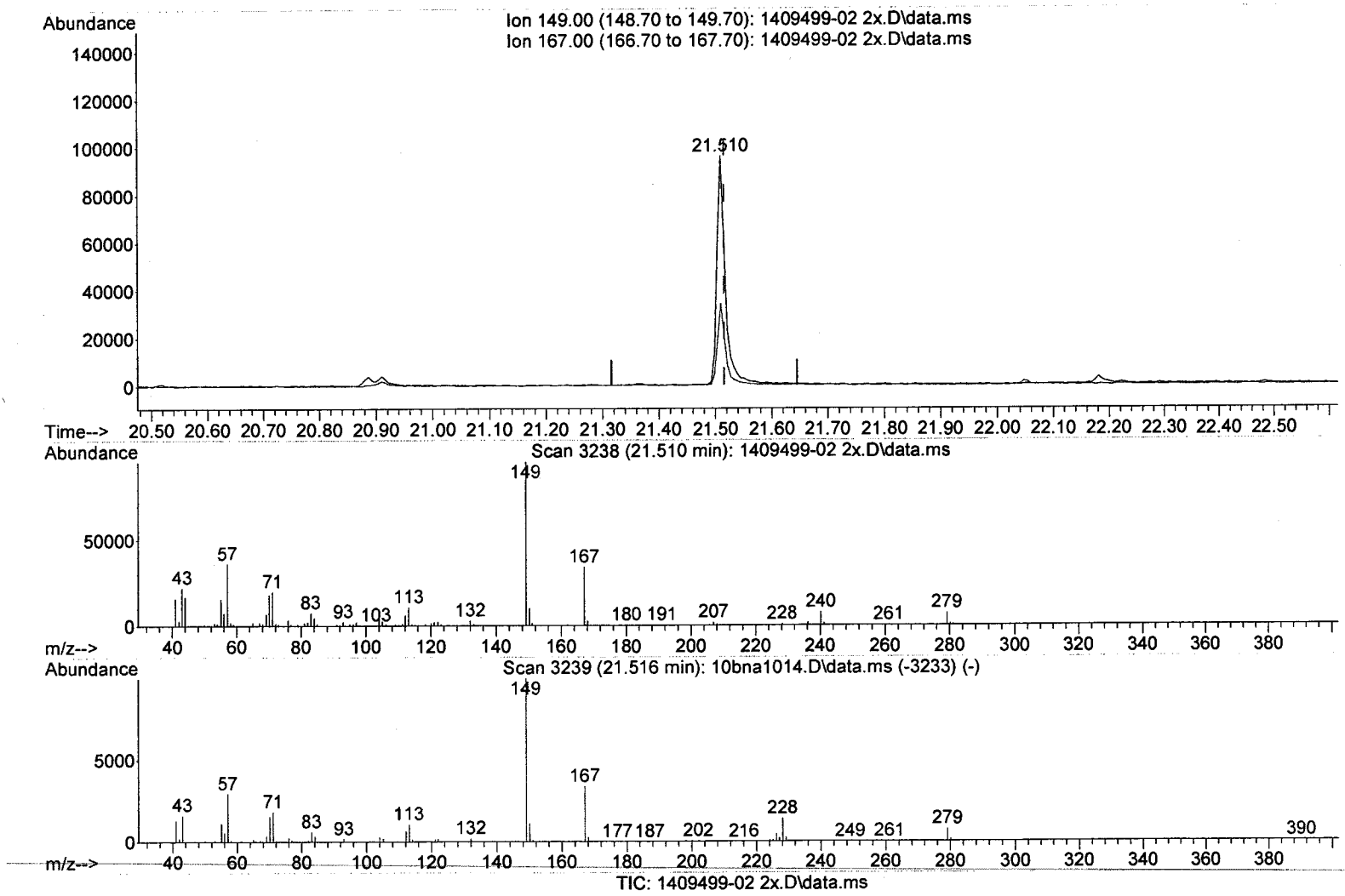
Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: DWS Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-02 2x.D
Acq On : 14 Oct 2014 17:19
Operator : JLB
Sample : 1409499-02 2x Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 08:01:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-02 2x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.510min (-0.006) 0.88 ng/uL

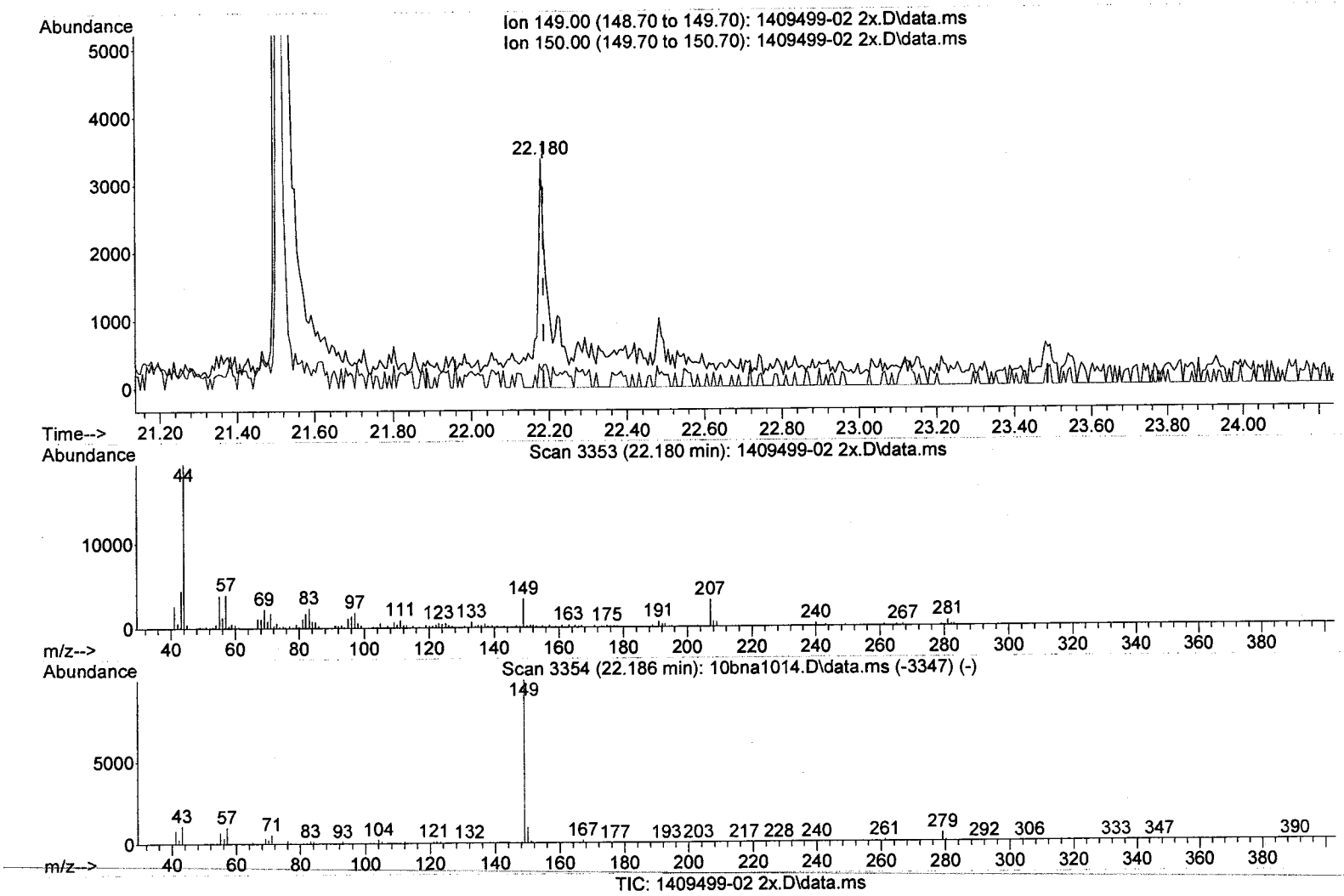
response 101700

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-02 2x.D
Acq On : 14 Oct 2014 17:19
Operator : JLB
Sample : 1409499-02 2x Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 08:01:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-02 2x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.180min (-0.006) 0.46 ng/uL

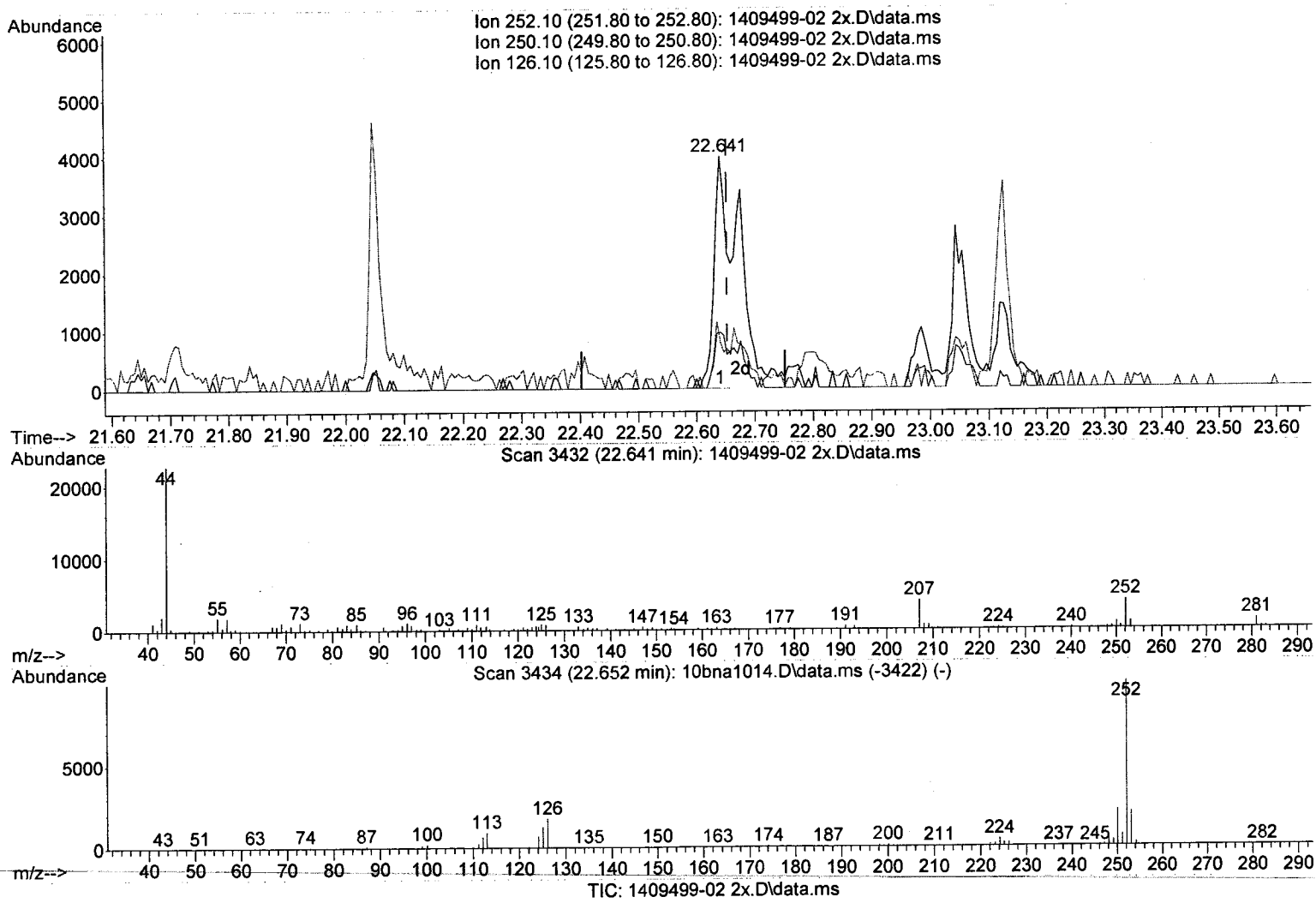
response 25652

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	2.26#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-02 2x.D
Acq On : 14 Oct 2014 17:19
Operator : JLB
Sample : 1409499-02 2x Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 08:01:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.641min (-0.012) 0.06 ng/uL

response 6128

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	26.03
126.10	17.20	25.36#
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB31-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-03 File ID: 1409499-03 5x.D

Sampled: 09/26/14 12:05 Prepared: 10/02/14 07:41 Analyzed: 10/14/14 22:41

Solids: 96.24 Preparation: 3550C Sonication Extract Initial/Final: 28.5 grams / 2 mL

QC Batch: 1410563 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	5	180	51	180	180	U
208-96-8	Acenaphthylene	5	180	46	180	180	U
120-12-7	Anthracene	5	180	44	180	180	U
56-55-3	Benzo(a)anthracene	5	36	30	91	180	J
50-32-8	Benzo(a)pyrene	5	40	25	91	180	J
205-99-2	Benzo(b)fluoranthene	5	66	21	91	180	J
207-08-9	Benzo(k)fluoranthene	5	36	21	91	180	J
191-24-2	Benzo(g,h,i)perylene	5	29	21	91	360	J
65-85-0	Benzoic Acid	5	1800	760	1800	3600	U
100-51-6	Benzyl Alcohol	5	180	50	180	180	U
101-55-3	4-Bromophenyl Phenyl Ether	5	180	44	180	180	U
85-68-7	Butyl Benzyl Phthalate	5	180	44	180	360	U
86-74-8	Carbazole	5	180	44	180	1800	U
59-50-7	4-Chloro-3-methylphenol	5	180	55	180	180	U
106-47-8	4-Chloroaniline	5	180	97	180	730	U
111-91-1	Bis(2-chloroethoxy)methane	5	180	44	180	180	U
111-44-4	Bis(2-chloroethyl) Ether	5	180	43	180	180	U
108-60-1	Bis(2-chloroisopropyl) Ether	5	91	40	91	180	U
91-58-7	2-Chloronaphthalene	5	180	54	180	180	U
95-57-8	2-Chlorophenol	5	180	43	180	180	U
7005-72-3	4-Chlorophenyl Phenyl Ether	5	180	42	180	180	U
218-01-9	Chrysene	5	180	43	180	180	U
53-70-3	Dibenz(a,h)anthracene	5	91	21	91	360	U
132-64-9	Dibenzofuran	5	180	54	180	180	U
84-74-2	Di-n-butyl Phthalate	5	360	150	360	730	U
106-46-7	1,4-Dichlorobenzene	5	180	53	180	180	U
95-50-1	1,2-Dichlorobenzene	5	180	60	180	180	U
541-73-1	1,3-Dichlorobenzene	5	180	62	180	180	U
91-94-1	3,3′-Dichlorobenzidine	5	7300	3000	7300	9100	U
120-83-2	2,4-Dichlorophenol	5	180	45	180	360	U
84-66-2	Diethyl Phthalate	5	180	53	180	180	U
105-67-9	2,4-Dimethylphenol	5	1500	400	1500	1800	U
131-11-3	Dimethyl Phthalate	5	180	52	180	180	U
534-52-1	4,6-Dinitro-2-methylphenol	5	730	230	730	1800	U
51-28-5	2,4-Dinitrophenol	5	1800	610	1800	1800	U
606-20-2	2,6-Dinitrotoluene	5	91	44	91	180	U
121-14-2	2,4-Dinitrotoluene	5	91	36	91	360	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB31-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-03 File ID: 1409499-03 5x.D

Sampled: 09/26/14 12:05 Prepared: 10/02/14 07:41 Analyzed: 10/14/14 22:41

Solids: 96.24 Preparation: 3550C Sonication Extract Initial/Final: 28.5 grams / 2 mL

QC Batch: 1410563 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	5	180	42	180	180	U
122-66-7	1,2-Diphenylhydrazine	5	91	37	91	180	U
117-81-7	Bis(2-ethylhexyl) Phthalate	5	180	130	180	360	U
206-44-0	Fluoranthene	5	51	49	180	180	J
86-73-7	Fluorene	5	180	44	180	360	U
118-74-1	Hexachlorobenzene	5	180	52	180	180	U
87-68-3	Hexachlorobutadiene	5	180	50	180	180	U
67-72-1	Hexachloroethane	5	180	55	180	180	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	91	29	91	360	U
78-59-1	Isophorone	5	180	42	180	180	U
91-57-6	2-Methylnaphthalene	5	180	50	180	180	U
108-39-4	3+4-Methylphenol	5	91	40	91	180	U
95-48-7	2-Methylphenol	5	91	39	91	180	U
91-20-3	Naphthalene	5	180	61	180	180	U
100-01-6	4-Nitroaniline	5	730	270	730	3600	U
88-74-4	2-Nitroaniline	5	91	39	91	180	U
99-09-2	3-Nitroaniline	5	360	180	360	3600	U
98-95-3	Nitrobenzene	5	180	50	180	180	U
88-75-5	2-Nitrophenol	5	180	49	180	180	U
100-02-7	4-Nitrophenol	5	3600	1100	3600	7300	U
62-75-9	N-Nitroso-dimethylamine	5	73	36	73	360	U
86-30-6	N-Nitroso-diphenylamine	5	91	38	91	180	U
621-64-7	N-Nitroso-di-n-propylamine	5	180	44	180	180	U
87-86-5	Pentachlorophenol	5	180	140	180	1800	U
85-01-8	Phenanthrene	5	180	45	180	180	U
108-95-2	Phenol	5	180	43	180	1800	U
129-00-0	Pyrene	5	69	47	180	180	J
120-82-1	1,2,4-Trichlorobenzene	5	180	48	180	180	U
95-95-4	2,4,5-Trichlorophenol	5	180	49	180	180	U
88-06-2	2,4,6-Trichlorophenol	5	91	28	91	180	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	729	678	93	33 - 113	D
Phenol-d6	729	671	92	30 - 115	D
Nitrobenzene-d5	365	292	80	33 - 131	D
2-Fluorobiphenyl	365	339	93	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB31-08

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-03
File ID: 1409499-03 5x.D
Sampled: 09/26/14 12:05
Prepared: 10/02/14 07:41
Analyzed: 10/14/14 22:41
Solids: 96.24
Preparation: 3550C Sonication Extract
Initial/Final: 28.5 grams / 2 mL
QC Batch: 1410563
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	729	583	80	12 - 124	D
o-Terphenyl	365	354	97	20 - 155	D

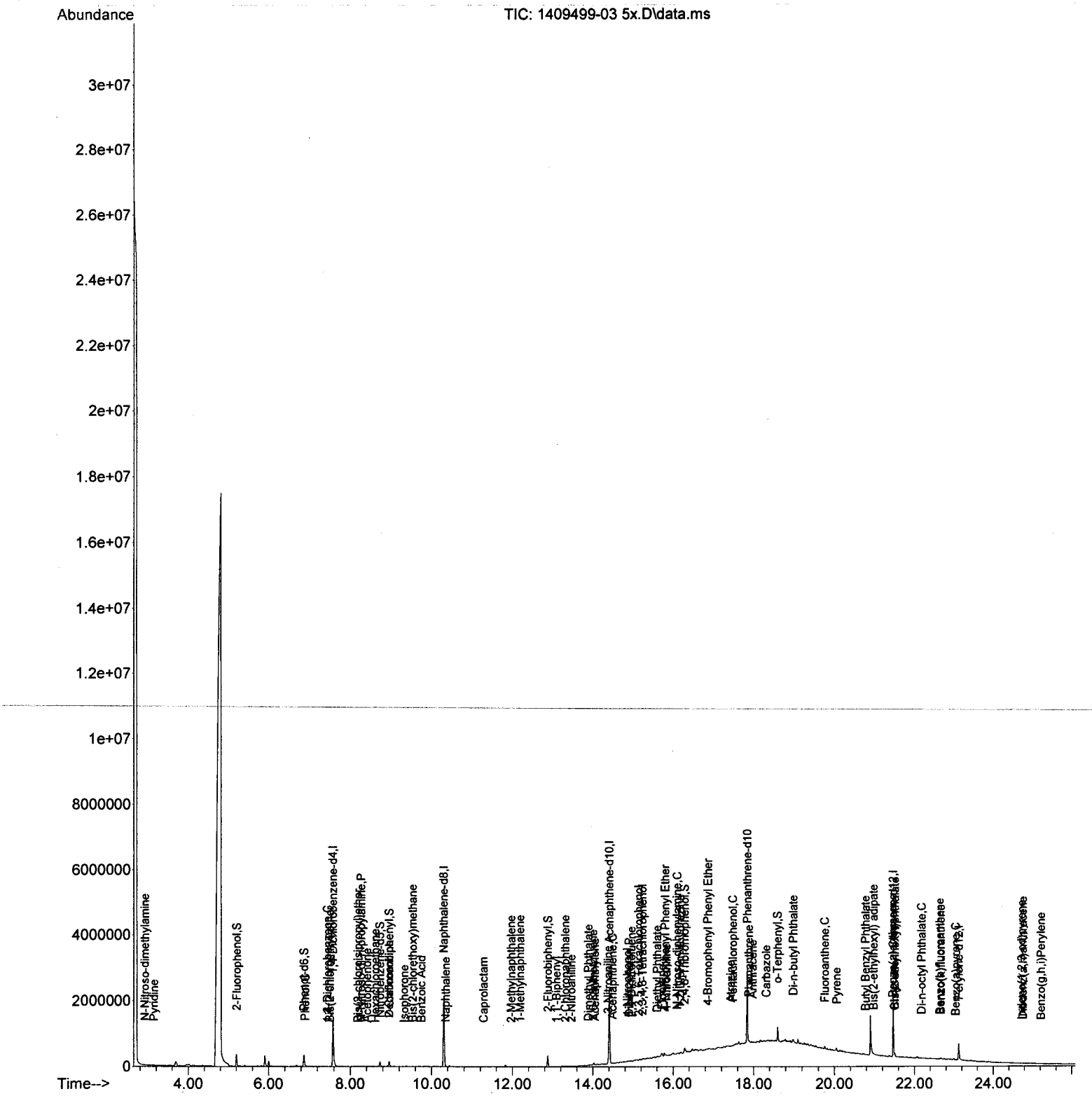
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	438033	7.574	403279	7.614	
Naphthalene-d8	1737292	10.301	1529030	10.359	
Acenaphthene-d10	976392	14.411	866604	14.474	
Phenanthrene-d10	1363777	17.844	1400442	17.901	
Chrysene-d12	795754	21.469	1153654	21.538	
Perylene-d12	288174	23.124	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-03 5x.D
Acq On : 14 Oct 2014 22:41
Operator : JLB
Sample : 1409499-03 5x Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:28:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 09:28:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-03 5x.D
Acq On : 14 Oct 2014 22:41
Operator : JLB
Sample : 1409499-03 5x Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:28:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 09:28:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.574	152	438033	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.301	136	1737292	5.00	ng/uL	-0.01
42) Acenaphthene-d10	14.411	164	976392	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.844	188	1363777	5.00	ng/uL	0.00
81) Chrysene-d12	21.469	240	795754	5.00	ng/uL	# 0.00
89) Perylene-d12	23.124	264	288174 (low)	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.207	112	186277	1.86	ng/uL	0.06
6) Phenol-d6	6.868	99	238901	1.84	ng/uL	0.00
21) Nitrobenzene-d5	8.728	82	89350	0.80	ng/uL	-0.02
23) Decafluorobiphenyl	8.955	334	62976	0.81	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.878	172	187404	0.93	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.287	330	33183	1.60	ng/uL	-0.01
78) o-Terphenyl	18.601	230	113812	0.97	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.917	74	415	0.01	ng/uL#	1
3) Pyridine	3.138	79	133	0.00	ng/uL#	14
5) Aniline	0.000		0	N.D.		
7) Phenol	6.898	94	9895	0.07	ng/uL#	11
8) Bis(2-chloroethyl)ether	7.492	93	125	0.00	ng/uL#	1
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.445	146	125	0.00	ng/uL#	1
11) 1,4-Dichlorobenzene	7.445	146	125	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.191	45	117	0.00	ng/uL#	51
14) Benzyl Alcohol	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
16) Acetophenone	8.413	105	793	0.01	ng/uL#	71
17) Hexachloroethane	8.611	119	286	0.01	ng/uL#	3
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.267	70	456	0.01	ng/uL#	38
22) Nitrobenzene	8.728	77	596	0.00	ng/uL#	1
24) Isophorone	9.322	82	152	0.00	ng/uL#	58
25) 2-Chloroaniline	8.955	127	778	0.01	ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	9.532	93	59	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.748	105	313	~~2.46~~ (PM)	ng/uL#	51
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.348	128	1332	0.00	ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.		
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.281	55	7362	0.15	ng/uL#	24
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 2-Methylnaphthalene	11.968	142	1811	0.01	ng/uL#	82
40) 1-Methylnaphthalene	12.190	142	2883	0.01	ng/uL	98
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-03 5x.D
Acq On : 14 Oct 2014 22:41
Operator : JLB
Sample : 1409499-03 5x Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:28:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 09:28:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.315	162	66	0.00	ng/uL#	1
49) 1,1'-Biphenyl	13.093	154	825	0.00	ng/uL#	75
50) 2-Nitroaniline	13.466	138	194	0.00	ng/uL#	67
51) Acenaphthylene	14.055	152	759	0.00	ng/uL#	72
52) 2,6-Dinitrotoluene	14.008	165	1779	0.04	ng/uL#	1
53) Dimethyl Phthalate	13.892	163	2656	0.01	ng/uL#	48
54) 3-Nitroaniline	14.381	138	225	0.01	ng/uL#	56
55) Acenaphthene	14.486	153	4338	0.02	ng/uL	90
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.906	168	810	0.00	ng/uL#	1
58) 4-Nitrophenol	14.859	65	1967	0.05	ng/uL#	24
59) 2,4-Dinitrotoluene	14.959	165	432	0.01	ng/uL#	61
60) 2,3,5,6-Tetrachlorophenol	15.139	232	639	0.01	ng/uL#	44
61) 2,3,4,6-Tetrachlorophenol	15.238	232	494	0.01	ng/uL#	1
62) Fluorene	15.722	166	3070	0.01	ng/uL#	62
63) Diethyl Phthalate	15.605	149	5835	0.03	ng/uL#	75
64) 4-Chlorophenyl Phenyl ...	15.804	204	1630	0.02	ng/uL#	38
65) 4-Nitroaniline	15.833	138	357	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
68) N-Nitroso-diphenylamine	16.095	169	544	0.00	ng/uL#	67
69) 1,2-Diphenylhydrazine	16.177	182	363	0.01	ng/uL#	1
71) 4-Bromophenyl Phenyl E...	16.864	248	572	0.01	ng/uL	93
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.430	200	141	0.00	ng/uL#	1
74) Pentachlorophenol	17.488	266	91	0.00	ng/uL#	1
75) Phenanthrene	17.884	178	25003	0.09	ng/uL#	91
76) Anthracene	17.978	178	7755	0.03	ng/uL	97
77) Carbazole	18.316	167	21682	0.10	ng/uL#	64
79) Di-n-butyl Phthalate	18.986	149	8891	0.03	ng/uL#	1
80) Fluoroanthene	19.761	202	35694	0.14	ng/uL#	91
82) Pyrene	20.053	202	35483	0.19	ng/uL#	87
83) Butyl Benzyl Phthalate	20.781	149	511	0.01	ng/uL	93
84) Bis(2-ethylhexyl) adipate	20.979	129	1405	0.09	ng/uL#	100
85) Benzo(a)anthracene	21.457	228	14458	0.10	ng/uL#	69
86) Chrysene	21.498	228	12098	0.09	ng/uL#	26
87) Bis(2-ethylhexyl)phtha...	21.510	149	30832	0.32	ng/uL	94
88) Di-n-octyl Phthalate	22.180	149	81381	0.80	ng/uL#	74
90) Benzo(b)fluoroanthene	22.641	252	9269	0.18	ng/uL#	91
91) Benzo(k)fluoranthene	22.670	252	6044	0.10	ng/uL#	83
92) Benzo(a)pyrene	23.049	252	5522	0.11	ng/uL#	87
93) Indeno(1,2,3-cd)pyrene	24.727	276	3188	0.07	ng/uL	94
94) Dibdenz(a,h)anthracene	24.762	278	1364	0.04	ng/uL#	52
95) Benzo(g,h,i)Perylene	25.217	276	2885	0.08	ng/uL#	75

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-03 5x.D
Acq On : 14 Oct 2014 22:41
Operator : JLB
Sample : 1409499-03 5x Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:27:40 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 09:27:31 2014
Response via : Initial Calibration

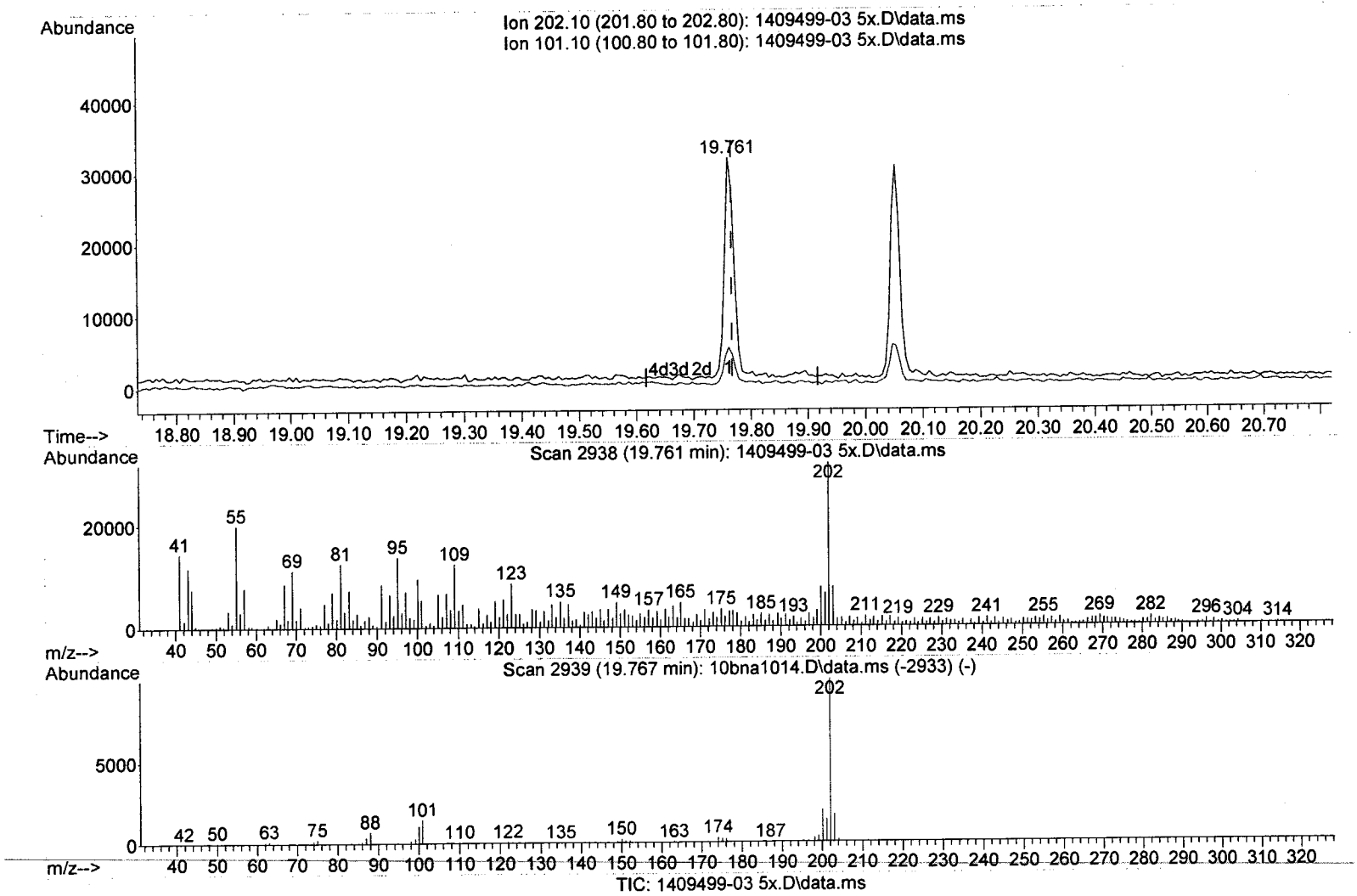
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.574	152	433335	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.301	136	1737292	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.411	164	962635	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.844	188	1365197	5.00	ng/uL		0.00
19) Chrysene-d12	21.469	240	795754	5.00	ng/uL	#	0.00
22) Perylene-d12	23.124	264	288174	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.917	74	415	0.01	ng/uL	#	1
3) Pyridine	3.138	79	133	0.00	ng/uL	#	14
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.746	105	2644	0.03	ng/uL	#	75
6) Acetophenone	8.413	105	793	0.00	ng/uL	#	71
7) N-Nitroso-di-n-propyla...	8.267	70	456	0.01	ng/uL	#	38
9) 4-Chloroaniline	0.000		0	N.D.			
10) Caprolactam	11.281	55	1811	0.13	ng/uL	#	32
12) 1,1'-Biphenyl	13.093	154	825	0.00	ng/uL	#	75
13) 2-Nitroaniline	13.466	138	194	0.01	ng/uL	#	67
14) 3-Nitroaniline	14.358	138	233	Below Cal		#	1
15) 4-Nitroaniline	15.833	138	171	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.095	169	544	0.00	ng/uL	#	67
18) Atrazine	17.459	200	277	Below Cal		#	1
20) Benzidine	0.000		0	N.D.			
21) 3,3'-Dichlorobenzidine	21.364	252	383	0.01	ng/uL		85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-03 5x.D
Acq On : 14 Oct 2014 22:41
Operator : JLB
Sample : 1409499-03 5x
Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:28:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 09:28:26 2014
Response via : Initial Calibration



(80) Fluoroanthene (C)

19.761min (-0.006) 0.14 ng/uL

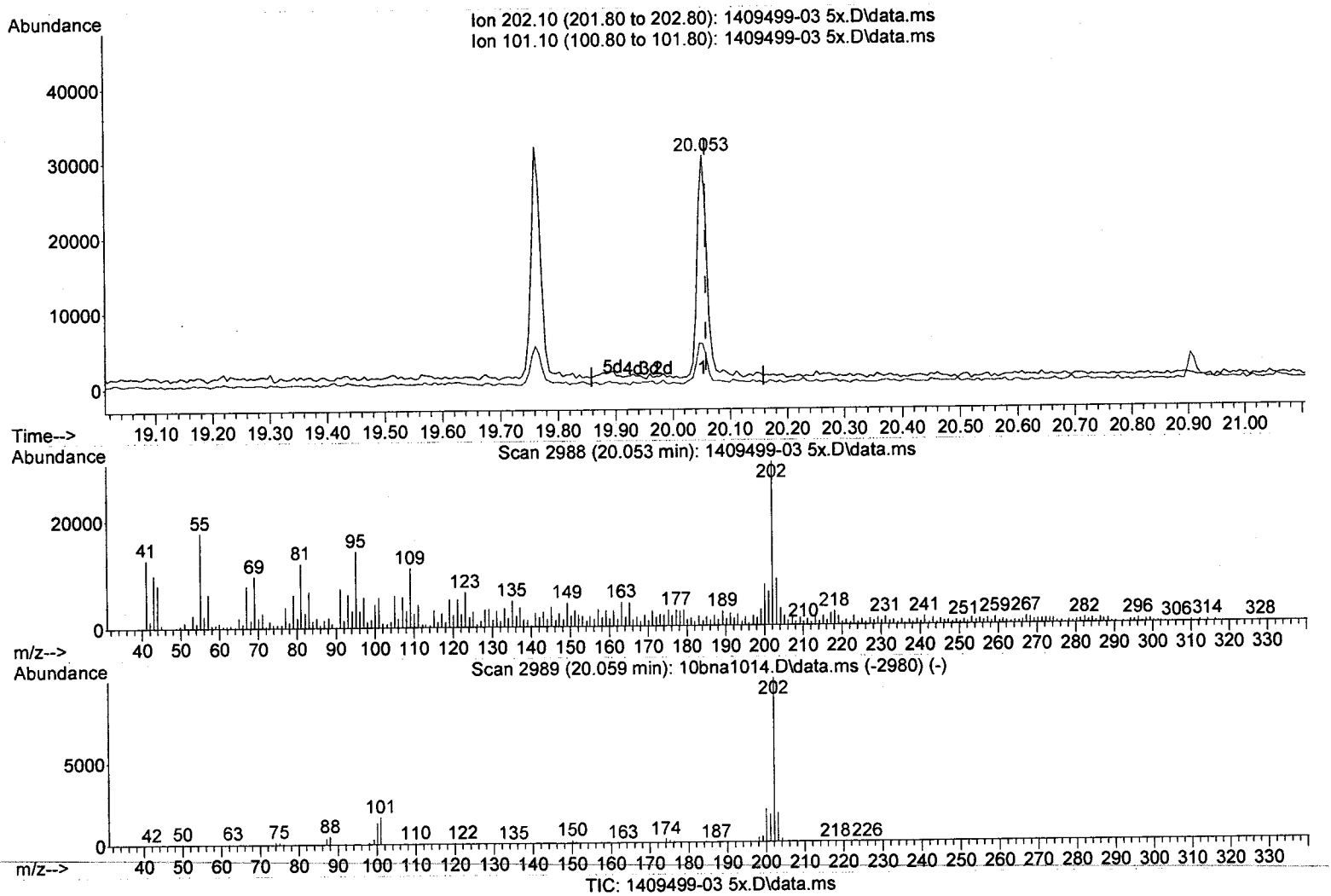
response 35694

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	19.90#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-03 5x.D
Acq On : 14 Oct 2014 22:41
Operator : JLB
Sample : 1409499-03 5x
Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:28:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 09:28:26 2014
Response via : Initial Calibration



(82) Pyrene

20.053min (-0.006) 0.19 ng/uL

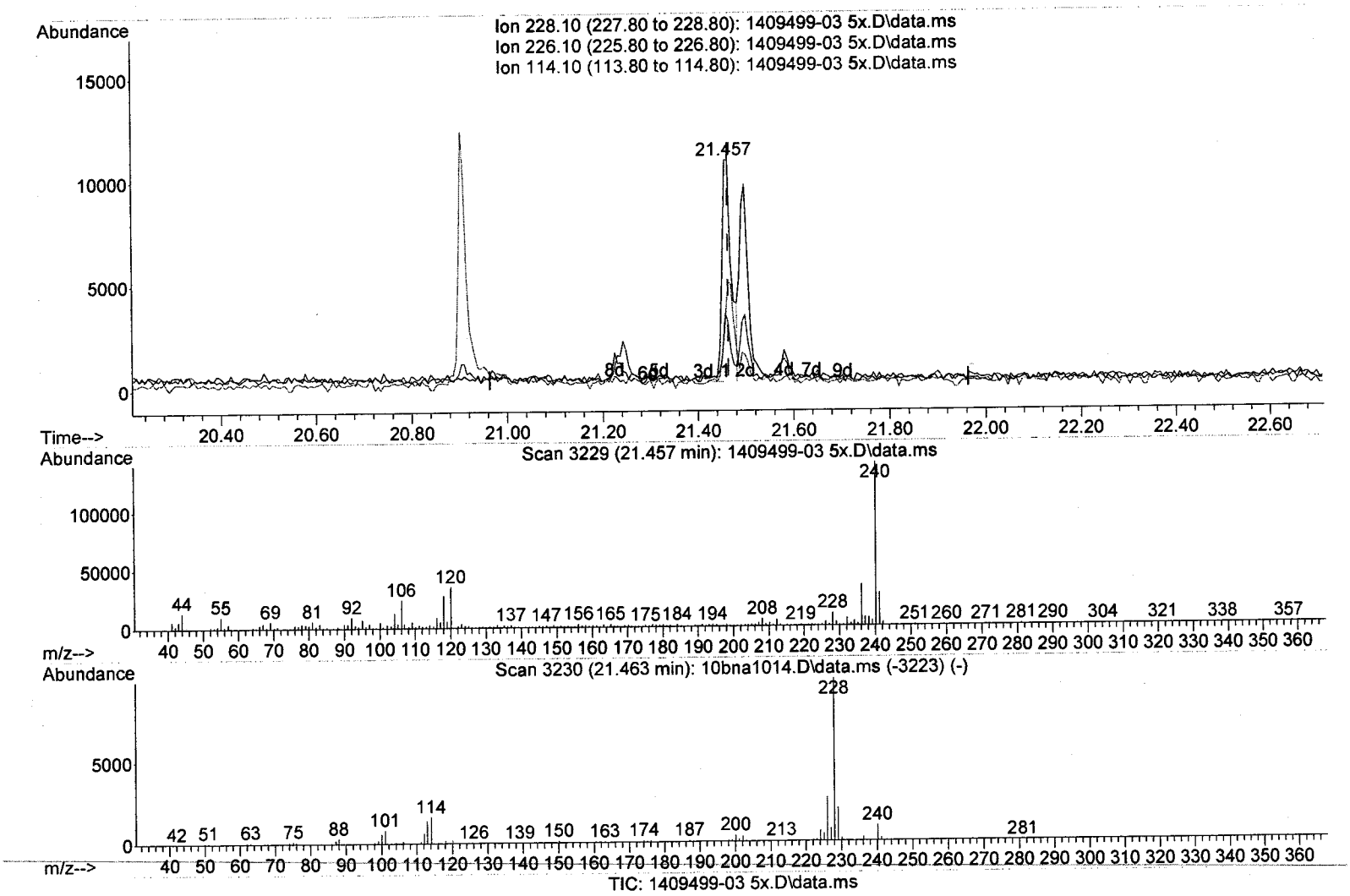
response 35483

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	21.37#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-03 5x.D
Acq On : 14 Oct 2014 22:41
Operator : JLB
Sample : 1409499-03 5x
Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:28:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 09:28:26 2014
Response via : Initial Calibration



(85) Benzo(a)anthracene

21.457min (-0.006) 0.10 ng/uL

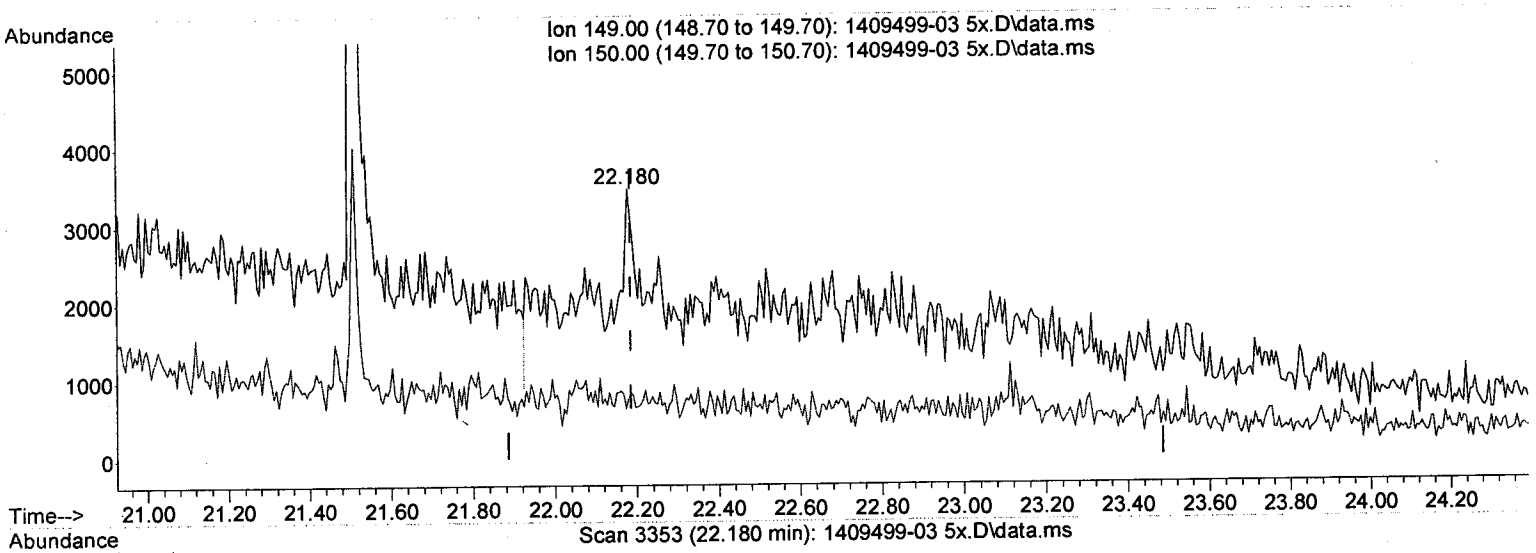
response 14458

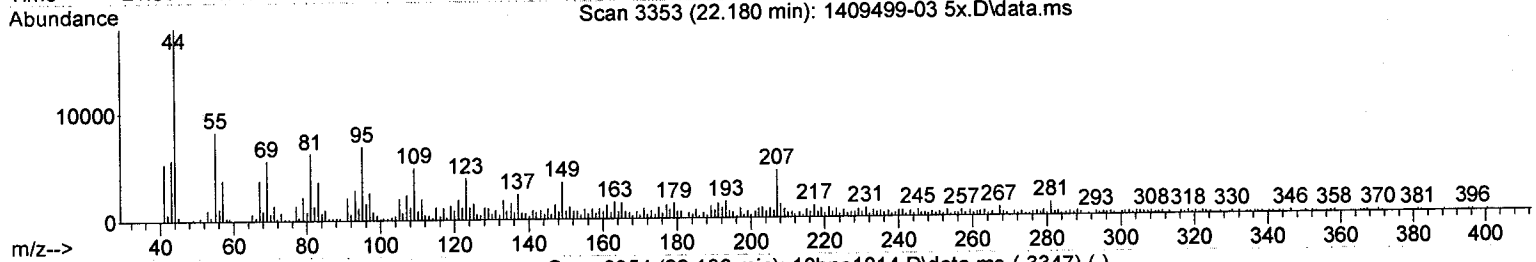
Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	25.59
114.10	13.30	48.93#
0.00	0.00	0.00

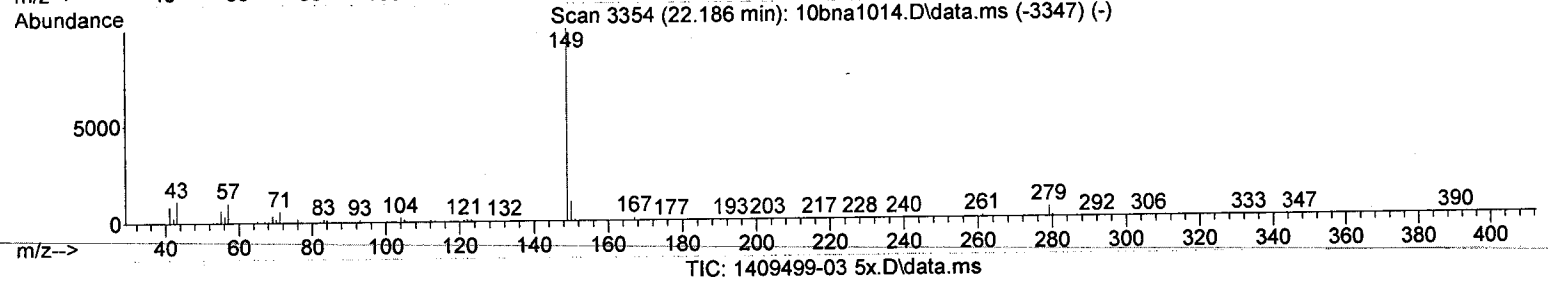
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-03 5x.D
Acq On : 14 Oct 2014 22:41
Operator : JLB
Sample : 1409499-03 5x
Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:28:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 09:28:26 2014
Response via : Initial Calibration







TIC: 1409499-03 5x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.180min (-0.006) 0.80 ng/uL

response 81381

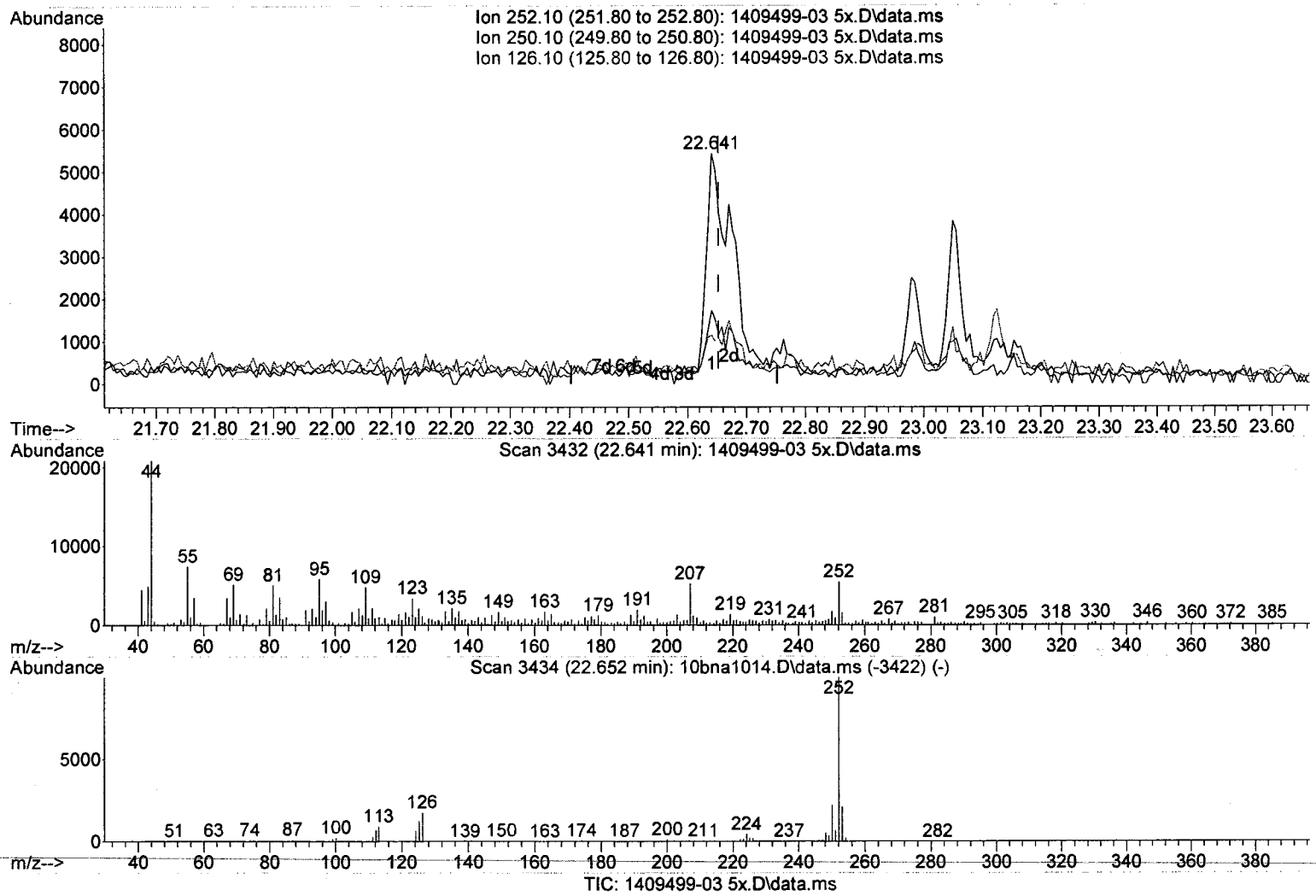
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.23#
0.00	0.00	0.00
0.00	0.00	0.00

PP

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-03 5x.D
Acq On : 14 Oct 2014 22:41
Operator : JLB
Sample : 1409499-03 5x Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:28:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 09:28:26 2014
Response via : Initial Calibration



TIC: 1409499-03 5x.D\data.ms

(90) Benzo(b)fluoroanthene

22.641min (-0.012) 0.18 ng/uL

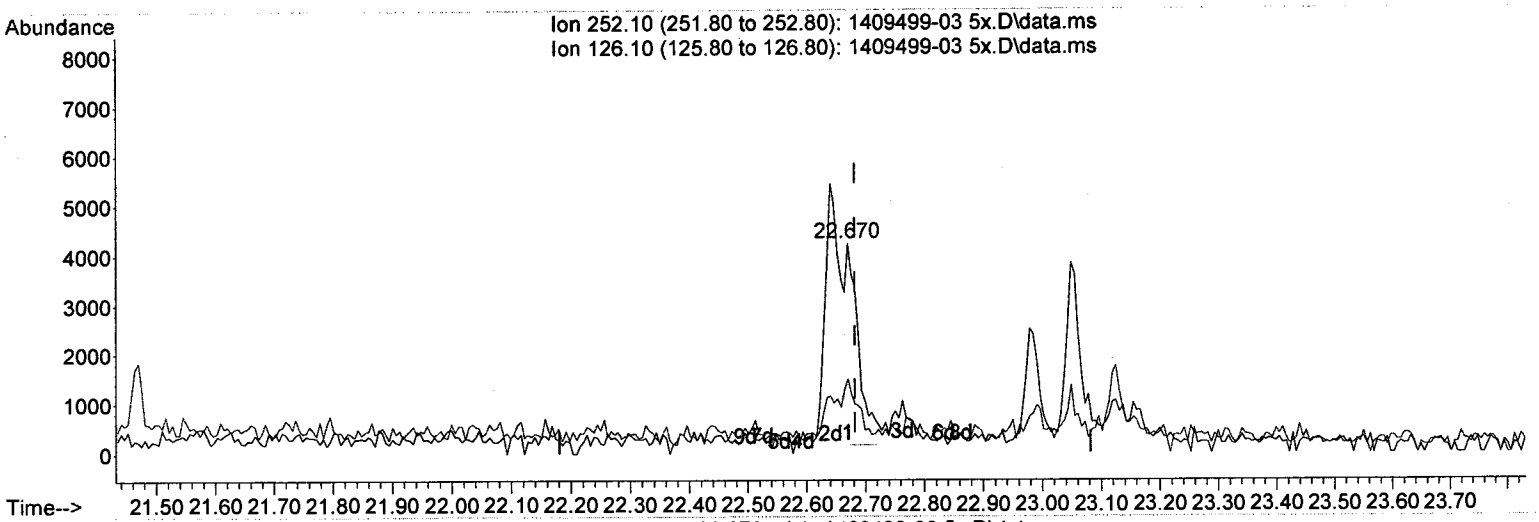
response 9269

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	29.47#
126.10	17.20	16.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-03 5x.D
Acq On : 14 Oct 2014 22:41
Operator : JLB
Sample : 1409499-03 5x Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:28:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 09:28:26 2014
Response via : Initial Calibration



TIC: 1409499-03 5x.D\data.ms

(91) Benzo(k)fluoranthene

22.670min (-0.012) 0.10 ng/uL

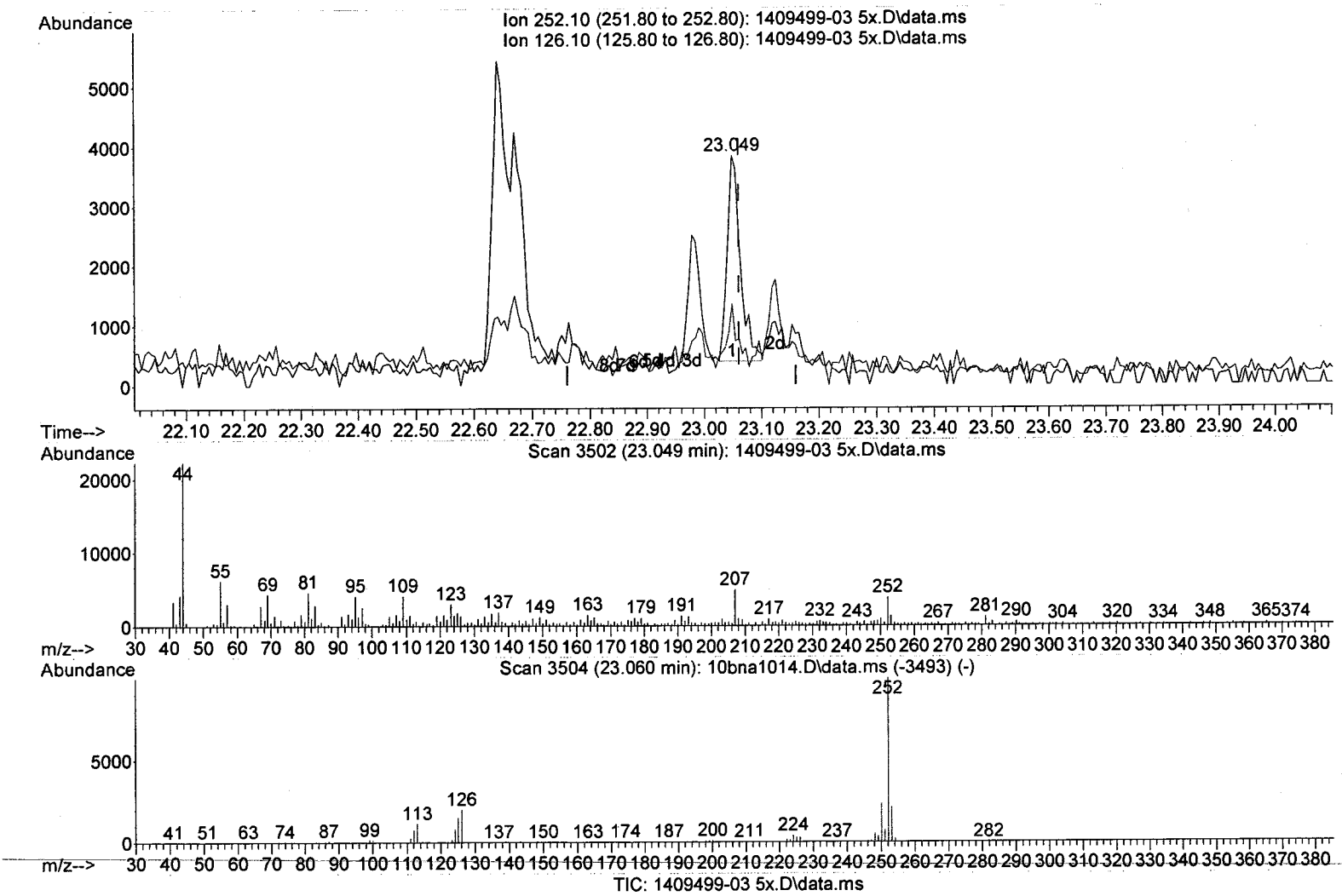
response 6044

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	26.57#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-03 5x.D
Acq On : 14 Oct 2014 22:41
Operator : JLB
Sample : 1409499-03 5x Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:28:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 09:28:26 2014
Response via : Initial Calibration



TIC: 1409499-03 5x.D\data.ms

(92) Benzo(a)pyrene (C)

23.049min (-0.012) 0.11 ng/uL

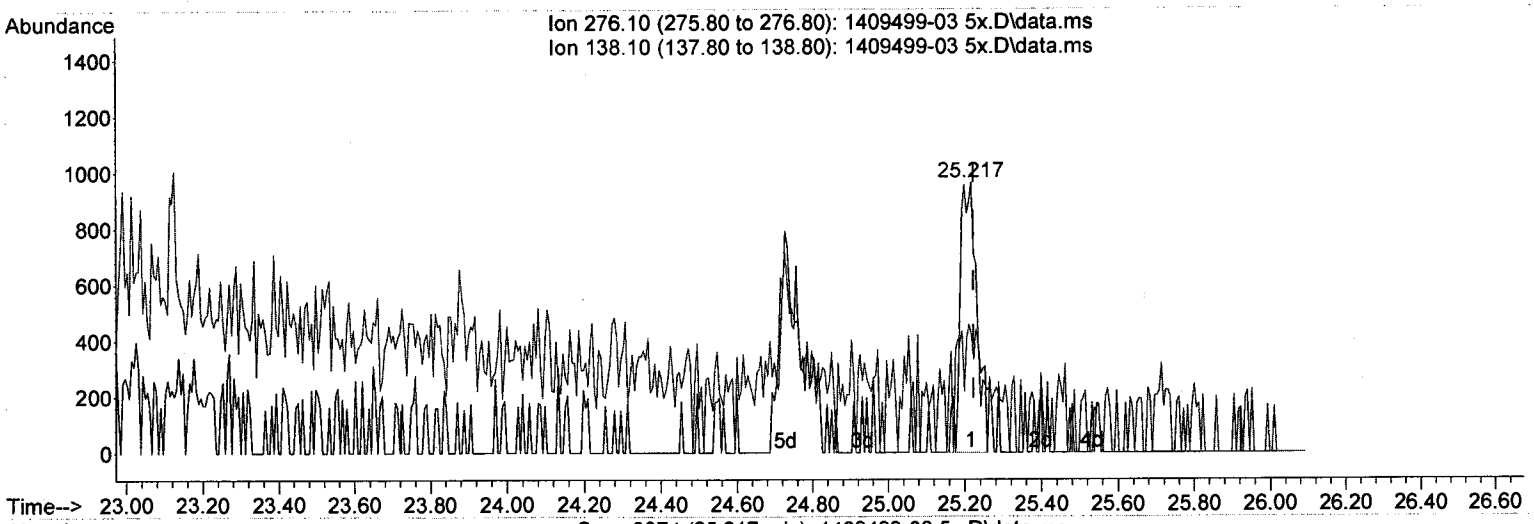
response 5522

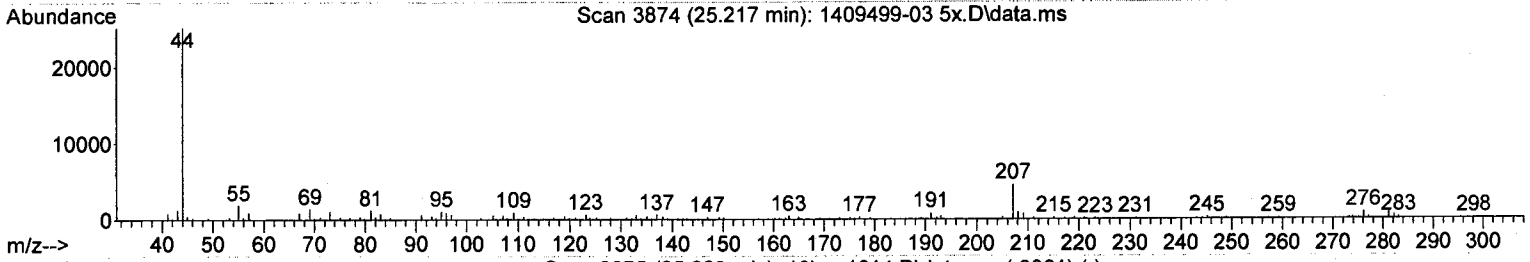
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	25.43#
0.00	0.00	0.00
0.00	0.00	0.00

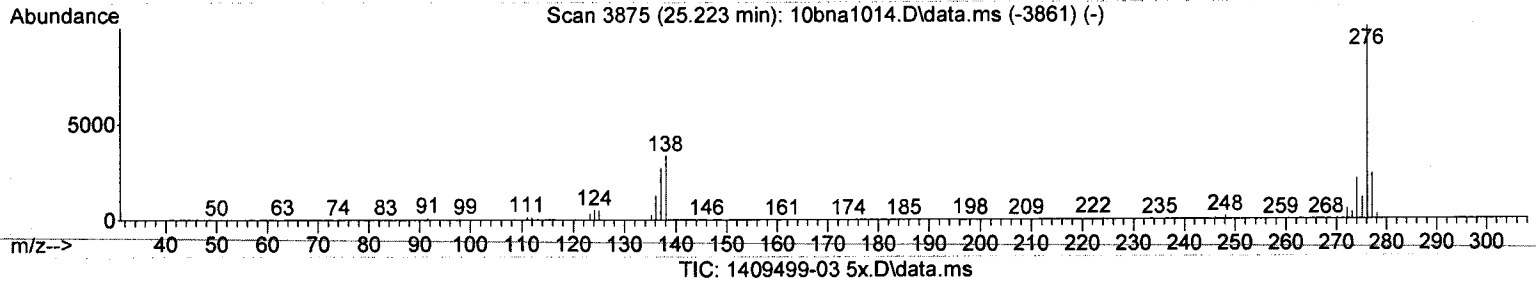
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-03 5x.D
Acq On : 14 Oct 2014 22:41
Operator : JLB
Sample : 1409499-03 5x Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:28:36 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 09:28:26 2014
Response via : Initial Calibration







TIC: 1409499-03 5x.D\data.ms

(95) Benzo(g,h,i)Perylene

25.217min (-0.006) 0.08 ng/uL

response 2885

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	13.76#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB31-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-03RE1 File ID: 1409499-03 10x.D

Sampled: 09/26/14 12:05 Prepared: 10/02/14 07:41 Analyzed: 10/17/14 13:46

Solids: 96.24 Preparation: 3550C Sonication Extract Initial/Final: 28.5 grams / 2 mL

QC Batch: 1410563 Sequence: 4J17060 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	370	100	370	370	U
208-96-8	Acenaphthylene	10	370	91	370	370	U
120-12-7	Anthracene	10	370	88	370	370	U
56-55-3	Benzo(a)anthracene	10	180	60	180	370	U
50-32-8	Benzo(a)pyrene	10	58	50	180	370	J
205-99-2	Benzo(b)fluoranthene	10	66	42	180	370	J
207-08-9	Benzo(k)fluoranthene	10	80	43	180	370	J
191-24-2	Benzo(g,h,i)perylene	10	66	41	180	730	J
65-85-0	Benzoic Acid	10	3700	1500	3700	7300	U
100-51-6	Benzyl Alcohol	10	370	100	370	370	U
101-55-3	4-Bromophenyl Phenyl Ether	10	370	88	370	370	U
85-68-7	Butyl Benzyl Phthalate	10	370	87	370	730	U
86-74-8	Carbazole	10	370	88	370	3700	U
59-50-7	4-Chloro-3-methylphenol	10	370	110	370	370	U
106-47-8	4-Chloroaniline	10	370	190	370	1500	U
111-91-1	Bis(2-chloroethoxy)methane	10	370	89	370	370	U
111-44-4	Bis(2-chloroethyl) Ether	10	370	86	370	370	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	180	80	180	370	U
91-58-7	2-Chloronaphthalene	10	370	110	370	370	U
95-57-8	2-Chlorophenol	10	370	86	370	370	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	370	83	370	370	U
218-01-9	Chrysene	10	370	85	370	370	U
53-70-3	Dibenz(a,h)anthracene	10	180	42	180	730	U
132-64-9	Dibenzofuran	10	370	110	370	370	U
84-74-2	Di-n-butyl Phthalate	10	730	300	730	1500	U
106-46-7	1,4-Dichlorobenzene	10	370	110	370	370	U
95-50-1	1,2-Dichlorobenzene	10	370	120	370	370	U
541-73-1	1,3-Dichlorobenzene	10	370	120	370	370	U
91-94-1	3,3'-Dichlorobenzidine	10	15000	6100	15000	18000	U
120-83-2	2,4-Dichlorophenol	10	370	89	370	730	U
84-66-2	Diethyl Phthalate	10	370	110	370	370	U
105-67-9	2,4-Dimethylphenol	10	2900	790	2900	3700	U
131-11-3	Dimethyl Phthalate	10	370	100	370	370	U
534-52-1	4,6-Dinitro-2-methylphenol	10	1500	470	1500	3700	U
51-28-5	2,4-Dinitrophenol	10	3700	1200	3700	3700	U
606-20-2	2,6-Dinitrotoluene	10	180	88	180	370	U
121-14-2	2,4-Dinitrotoluene	10	180	72	180	730	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB31-08

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-03RE1 File ID: 1409499-03 10x.D

Sampled: 09/26/14 12:05 Prepared: 10/02/14 07:41 Analyzed: 10/17/14 13:46

Solids: 96.24 Preparation: 3550C Sonication Extract Initial/Final: 28.5 grams / 2 mL

QC Batch: 1410563 Sequence: 4J17060 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	260	85	370	370	JB
122-66-7	1,2-Diphenylhydrazine	10	180	73	180	370	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	370	250	370	730	U
206-44-0	Fluoranthene	10	370	98	370	370	U
86-73-7	Fluorene	10	370	88	370	730	U
118-74-1	Hexachlorobenzene	10	370	100	370	370	U
87-68-3	Hexachlorobutadiene	10	370	100	370	370	U
67-72-1	Hexachloroethane	10	370	110	370	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	80	59	180	730	J
78-59-1	Isophorone	10	370	84	370	370	U
91-57-6	2-Methylnaphthalene	10	370	100	370	370	U
108-39-4	3+4-Methylphenol	10	180	80	180	370	U
95-48-7	2-Methylphenol	10	180	78	180	370	U
91-20-3	Naphthalene	10	370	120	370	370	U
100-01-6	4-Nitroaniline	10	1500	540	1500	7200	U
88-74-4	2-Nitroaniline	10	180	78	180	370	U
99-09-2	3-Nitroaniline	10	730	360	730	7200	U
98-95-3	Nitrobenzene	10	370	100	370	370	U
88-75-5	2-Nitrophenol	10	370	98	370	370	U
100-02-7	4-Nitrophenol	10	7300	2200	7300	15000	U
62-75-9	N-Nitroso-dimethylamine	10	150	72	150	730	U
86-30-6	N-Nitroso-diphenylamine	10	180	75	180	370	U
621-64-7	N-Nitroso-di-n-propylamine	10	370	88	370	370	U
87-86-5	Pentachlorophenol	10	370	290	370	3700	U
85-01-8	Phenanthrene	10	370	89	370	370	U
108-95-2	Phenol	10	370	85	370	3700	U
129-00-0	Pyrene	10	370	94	370	370	U
120-82-1	1,2,4-Trichlorobenzene	10	370	97	370	370	U
95-95-4	2,4,5-Trichlorophenol	10	370	98	370	370	U
88-06-2	2,4,6-Trichlorophenol	10	180	55	180	370	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	729	598	82	33 - 113	D
Phenol-d6	729	489	67	30 - 115	D
Nitrobenzene-d5	365	248	68	33 - 131	D
2-Fluorobiphenyl	365	314	86	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB31-08

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-03RE1
File ID: 1409499-03 10x.D
Sampled: 09/26/14 12:05
Prepared: 10/02/14 07:41
Analyzed: 10/17/14 13:46
Solids: 96.24
Preparation: 3550C Sonication Extract
Initial/Final: 28.5 grams / 2 mL
QC Batch: 1410563
Sequence: 4J17060
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	729	350	48	12 - 124	D
o-Terphenyl	365	416	114	20 - 155	D

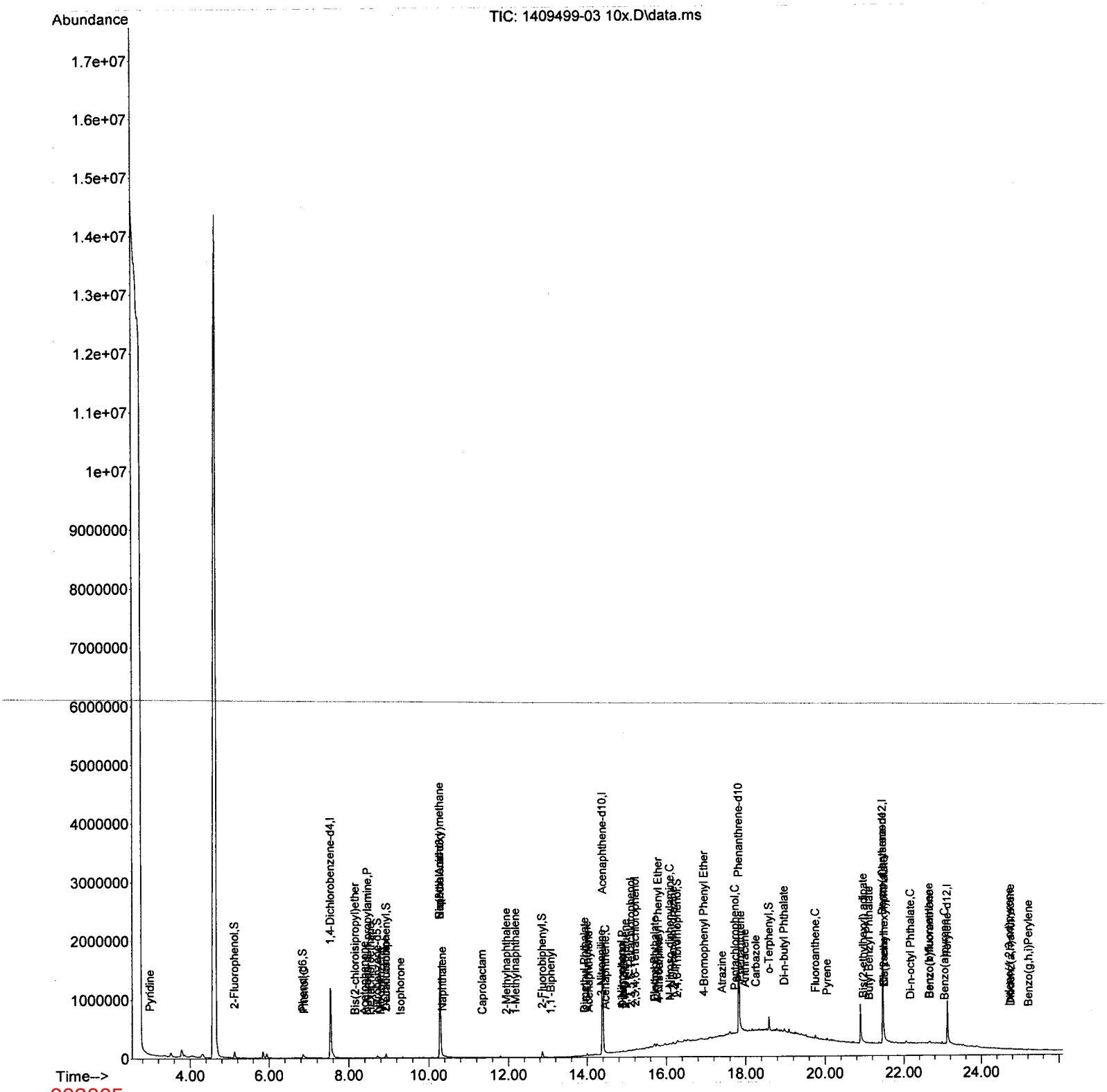
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	434982	7.538	403279	7.614	
Naphthalene-d8	1822920	10.289	1529030	10.359	
Acenaphthene-d10	1001490	14.398	866604	14.474	
Phenanthrene-d10	1357811	17.831	1400442	17.901	
Chrysene-d12	1212485	21.468	1153654	21.538	
Perylene-d12	541587	23.124	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:24:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x
Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:24:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.538	152	434982	5.00 ng/uL	# 0.00
20) Naphthalene-d8	10.289	136	1822920	5.00 ng/uL	0.00
42) Acenaphthene-d10	14.398	164	1001490	5.00 ng/uL	-0.01
66) Phenanthrene-d10	17.831	188	1357811	5.00 ng/uL	-0.01
81) Chrysene-d12	21.468	240	1212485	5.00 ng/uL	#-0.01
89) Perylene-d12	23.124	264	541587	5.00 ng/uL	#-0.01
System Monitoring Compounds					
4) 2-Fluorophenol	5.119	112	81742	0.82 ng/uL	0.02
6) Phenol-d6	6.850	99	86298	0.67 ng/uL	-0.01
21) Nitrobenzene-d5	8.709	82	39907	0.34 ng/uL	-0.02
23) Decafluorobiphenyl	8.937	334	31811	0.39 ng/uL	-0.01
47) 2-Fluorobiphenyl	12.865	172	87946	0.43 ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	9928	0.48 ng/uL	-0.02
78) o-Terphenyl	18.595	230	66901	0.57 ng/uL	-0.01
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.	
3) Pyridine	2.986	79	183	0.00 ng/uL	90
5) Aniline	0.000		0	N.D.	
7) Phenol	6.885	94	2800	0.02 ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.	
9) 2-Chlorophenol	0.000		0	N.D.	
10) 1,3-Dichlorobenzene	0.000		0	N.D.	
11) 1,4-Dichlorobenzene	0.000		0	N.D.	
12) 1,2-Dichlorobenzene	0.000		0	N.D.	
13) Bis(2-chloroisipropyl)...	8.162	45	173	0.00 ng/uL#	51
14) Benzyl Alcohol	0.000		0	N.D.	
15) 2-Methylphenol	0.000		0	N.D.	
16) Acetophenone	8.389	105	289	0.00 ng/uL#	32
17) Hexachloroethane	8.540	119	175	0.00 ng/uL#	20
18) 4-Methylphenol	0.000		0	N.D.	
19) N-Nitroso-di-n-propyla...	8.470	70	57	0.00 ng/uL#	1
22) Nitrobenzene	8.797	77	118	0.00 ng/uL#	30
24) Isophorone	9.298	82	682	0.00 ng/uL#	58
25) 2-Chloroaniline	8.925	127	259	0.00 ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.	
27) 2,4-Dimethylphenol	0.000		0	N.D.	
28) Bis(2-chlorethoxy)methane	10.283	93	760	0.01 ng/uL#	53
29) 2,4-Dichlorophenol	0.000		0	N.D.	
30) Benzoic Acid	10.283	105	2413	RT ~~2.48~~ ng/uL#	1
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
32) Naphthalene	10.341	128	879	0.00 ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.	
34) 2,6-Dichlorophenol	0.000		0	N.D.	
35) Hexachlorobutadiene	0.000		0	N.D.	
36) Caprolactam	11.344	55	864	0.02 ng/uL#	30
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.	
38) 4-Chloro-3-methylphenol	0.000		0	N.D.	
39) 2-Methylnaphthalene	11.956	142	573	0.00 ng/uL#	30
40) 1-Methylnaphthalene	12.177	142	1330	0.01 ng/uL#	78
41) 1,3 Dinitrobenzene	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:24:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	0.000		0	N.D.		
49) 1,1'-Biphenyl	13.081	154	77	0.00	ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.048	152	148	0.00	ng/uL#	69
52) 2,6-Dinitrotoluene	14.002	165	941	0.02	ng/uL#	1
53) Dimethyl Phthalate	13.944	163	164	0.00	ng/uL#	1
54) 3-Nitroaniline	14.369	138	302	0.01	ng/uL#	56
55) Acenaphthene	14.468	153	2183	0.01	ng/uL	93
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.899	168	79	0.00	ng/uL#	1
58) 4-Nitrophenol	14.876	65	212	0.01	ng/uL#	1
59) 2,4-Dinitrotoluene	14.969	165	420	0.01	ng/uL#	17
60) 2,3,5,6-Tetrachlorophenol	15.109	232	960	0.02	ng/uL#	41
61) 2,3,4,6-Tetrachlorophenol	15.220	232	697	0.01	ng/uL#	75
62) Fluorene	15.710	166	1935	0.01	ng/uL#	13
63) Diethyl Phthalate	15.715	149	2076	0.01	ng/uL	93
64) 4-Chlorophenyl Phenyl ...	15.797	204	1170	0.01	ng/uL#	85
65) 4-Nitroaniline	15.820	138	754	0.02	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
68) N-Nitroso-diphenylamine	16.100	169	243	0.00	ng/uL#	23
69) 1,2-Diphenylhydrazine	16.182	182	76	0.00	ng/uL#	29
71) 4-Bromophenyl Phenyl E...	16.957	248	320	0.01	ng/uL#	22
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.412	200	503	0.01	ng/uL#	1
74) Pentachlorophenol	17.738	266	70	0.00	ng/uL#	1
75) Phenanthrene	17.878	178	13672	0.05	ng/uL#	84
76) Anthracene	17.983	178	3312	0.01	ng/uL#	95
77) Carbazole	18.263	167	10537	0.05	ng/uL#	62
79) Di-n-butyl Phthalate	18.974	149	5620	0.02	ng/uL#	1
80) Fluoroanthene	19.761	202	19285	0.08	ng/uL#	87
82) Pyrene	20.052	202	19915	0.07	ng/uL#	86
83) Butyl Benzyl Phthalate	21.119	149	575	0.01	ng/uL	87
84) Bis(2-ethylhexyl) adipate	20.973	129	854	0.08	ng/uL#	100
85) Benzo(a)anthracene	21.462	228	10852	0.05	ng/uL#	35
86) Chrysene	21.497	228	10320	0.05	ng/uL#	71
87) Bis(2-ethylhexyl)phtha...	21.503	149	21510	0.15	ng/uL	91
88) Di-n-octyl Phthalate	22.174	149	5134m	0.36	ng/uL	
90) Benzo(b)fluoroanthene	22.652	252	8504m	0.09	ng/uL	
91) Benzo(k)fluoranthene	22.669	252	11796m	0.11	ng/uL	
92) Benzo(a)pyrene	23.054	252	7137	0.08	ng/uL#	86
93) Indeno(1,2,3-cd)pyrene	24.727	276	8887	0.11	ng/uL	92
94) Dibdenz(a,h)anthracene	24.761	278	3161	0.05	ng/uL#	82
95) Benzo(g,h,i)Perylene	25.216	276	6552	0.09	ng/uL#	57

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:23:37 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 11:49:49 2014
Response via : Initial Calibration

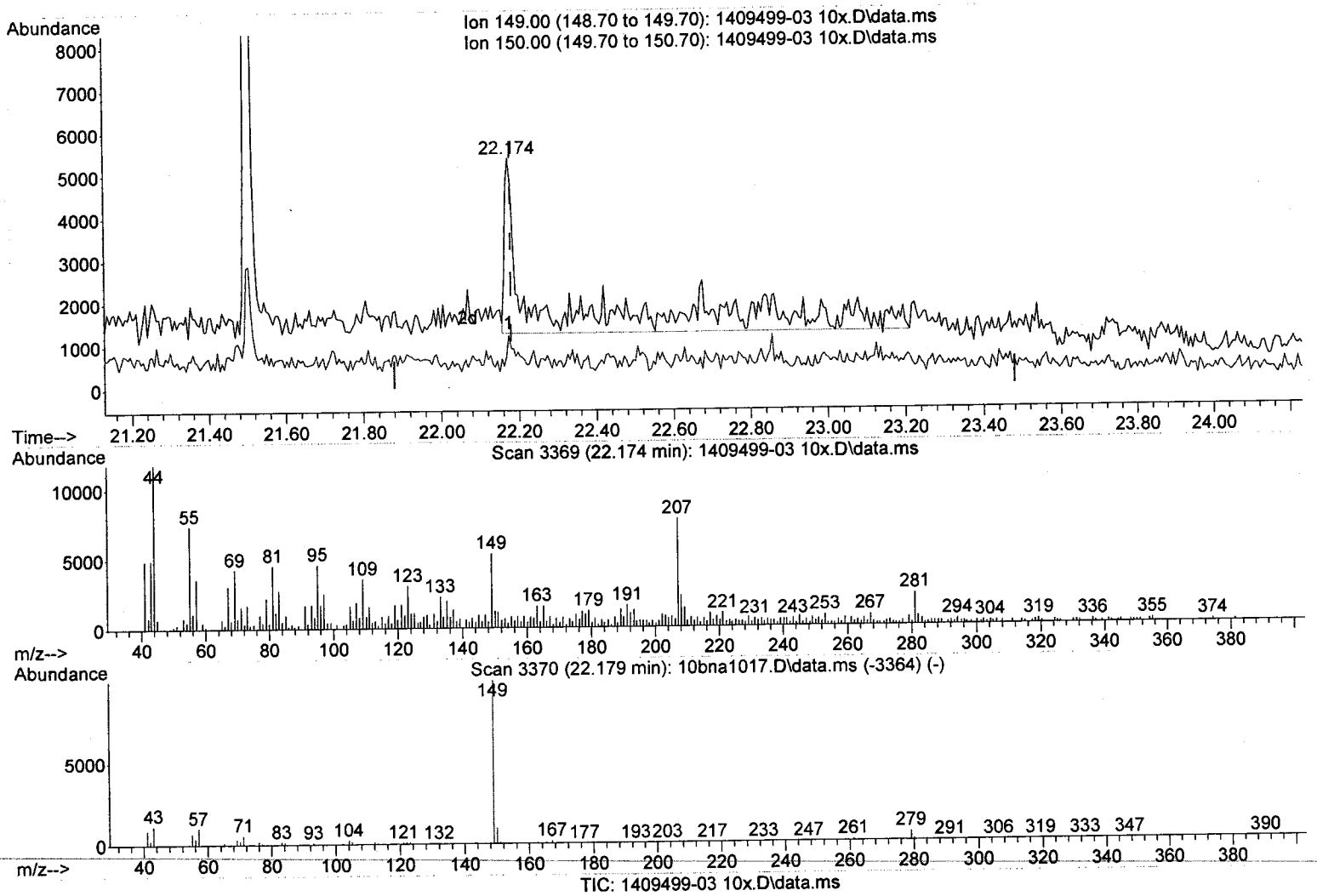
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.538	152	419408	5.00	ng/uL	#-0.04
8) Naphthalene-d8	10.289	136	1822735	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.398	164	964298	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.831	188	1527189	5.00	ng/uL	0.00
19) Chrysene-d12	21.468	240	1217797	5.00	ng/uL	# 0.00
22) Perylene-d12	23.124	264	551226	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.		
3) Pyridine	2.986	79	183	0.00	ng/uL	90
4) Aniline	0.000		0	N.D.		
5) Benzaldehyde	6.716	105	1425	0.02	ng/uL#	70
6) Acetophenone	8.389	105	289	0.00	ng/uL#	32
7) N-Nitroso-di-n-propyla...	8.715	70	4901	0.06	ng/uL#	3
9) 4-Chloroaniline	0.000		0	N.D.		
10) Caprolactam	11.309	55	245	0.10	ng/uL#	21
12) 1,1'-Biphenyl	13.081	154	77	0.00	ng/uL#	40
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	14.369	138	302	Below Cal	#	56
15) 4-Nitroaniline	15.820	138	539	Below Cal	#	56
17) N-Nitroso-diphenylamine	16.100	169	243	0.00	ng/uL#	23
18) Atrazine	17.429	200	1062	Below Cal	#	1
20) Benzidine	0.000		0	N.D.		
21) 3,3'-Dichlorobenzidine	20.979	252	258	0.00	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x
Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:23:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.174min (-0.006) 0.45 ng/uL

response 30252

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	5.45#
0.00	0.00	0.00
0.00	0.00	0.00

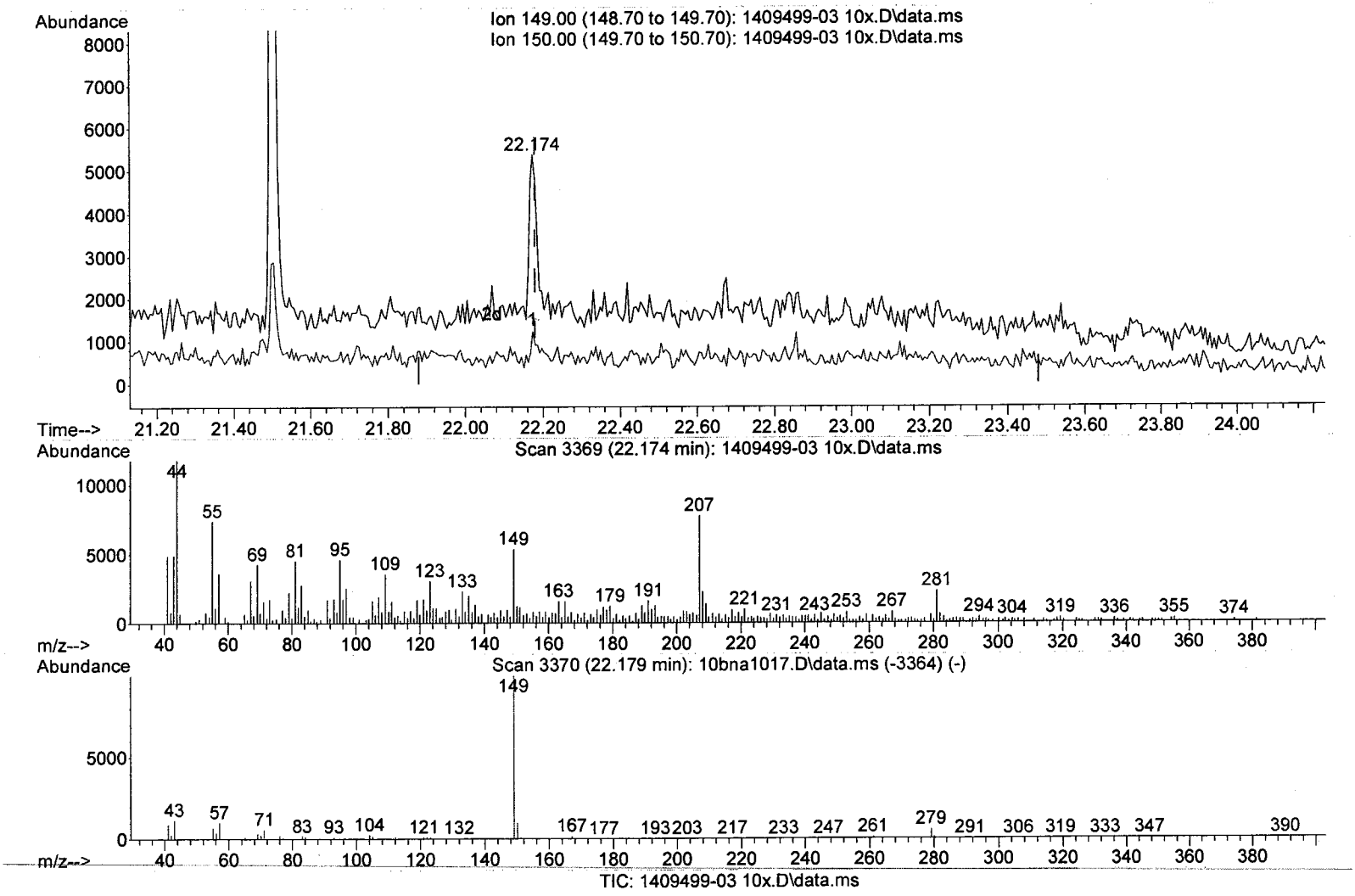
DWB 10-17-14

JLB 10/17/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:23:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1409499-03 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.174min (-0.006) 0.36 ng/uL m

response 5134

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	32.12#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

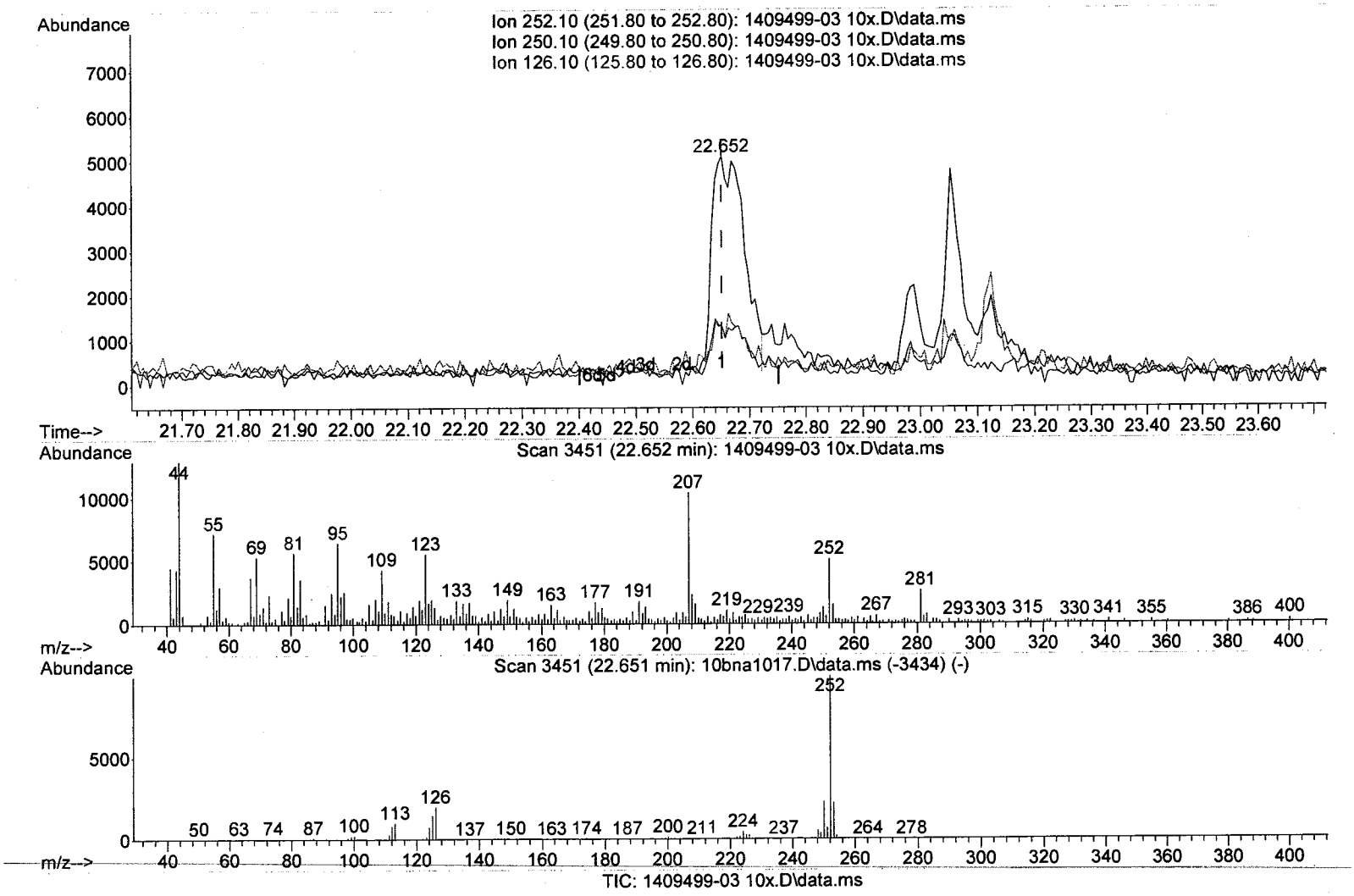
Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/17/14
Reviewed By: DW Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:23:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1409499-03 10x.D\data.ms

(90) Benzo(b)fluoroanthene

22.652min (+ 0.000) 0.19 ng/uL

response 18963

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	10.33#
126.10	17.20	13.33#
0.00	0.00	0.00

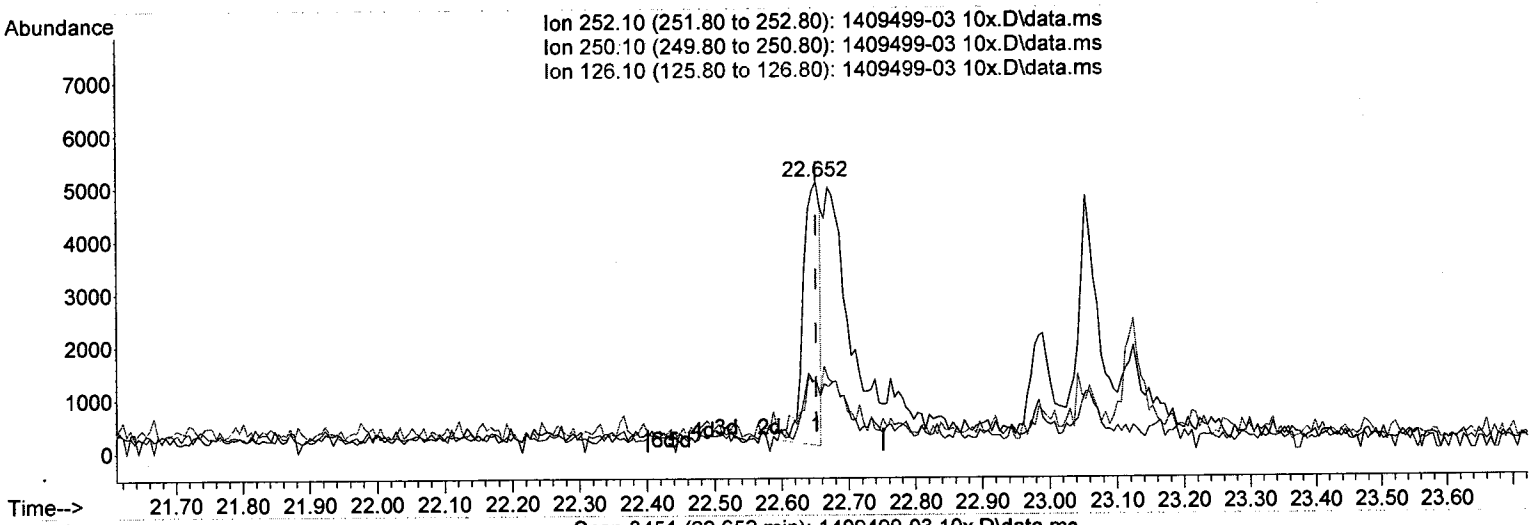
DWB 10-17-14

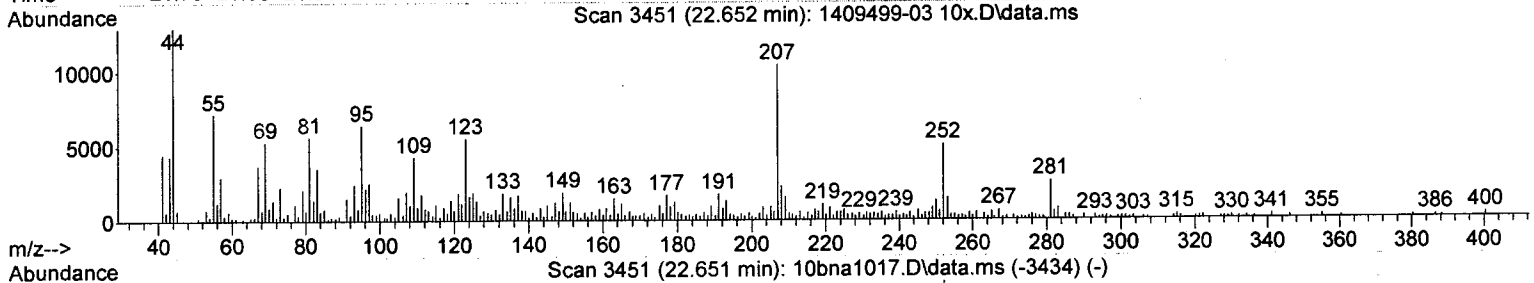
JWS 10/17/14

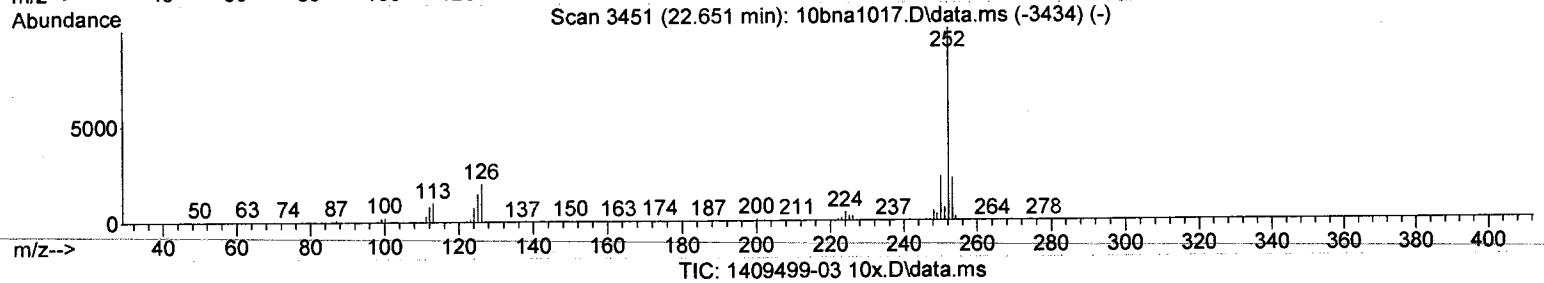
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:23:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1409499-03 10x.D\data.ms

(90) Benzo(b)fluoroanthene

22.652min (+ 0.000) 0.09 ng/uL m

response 8504

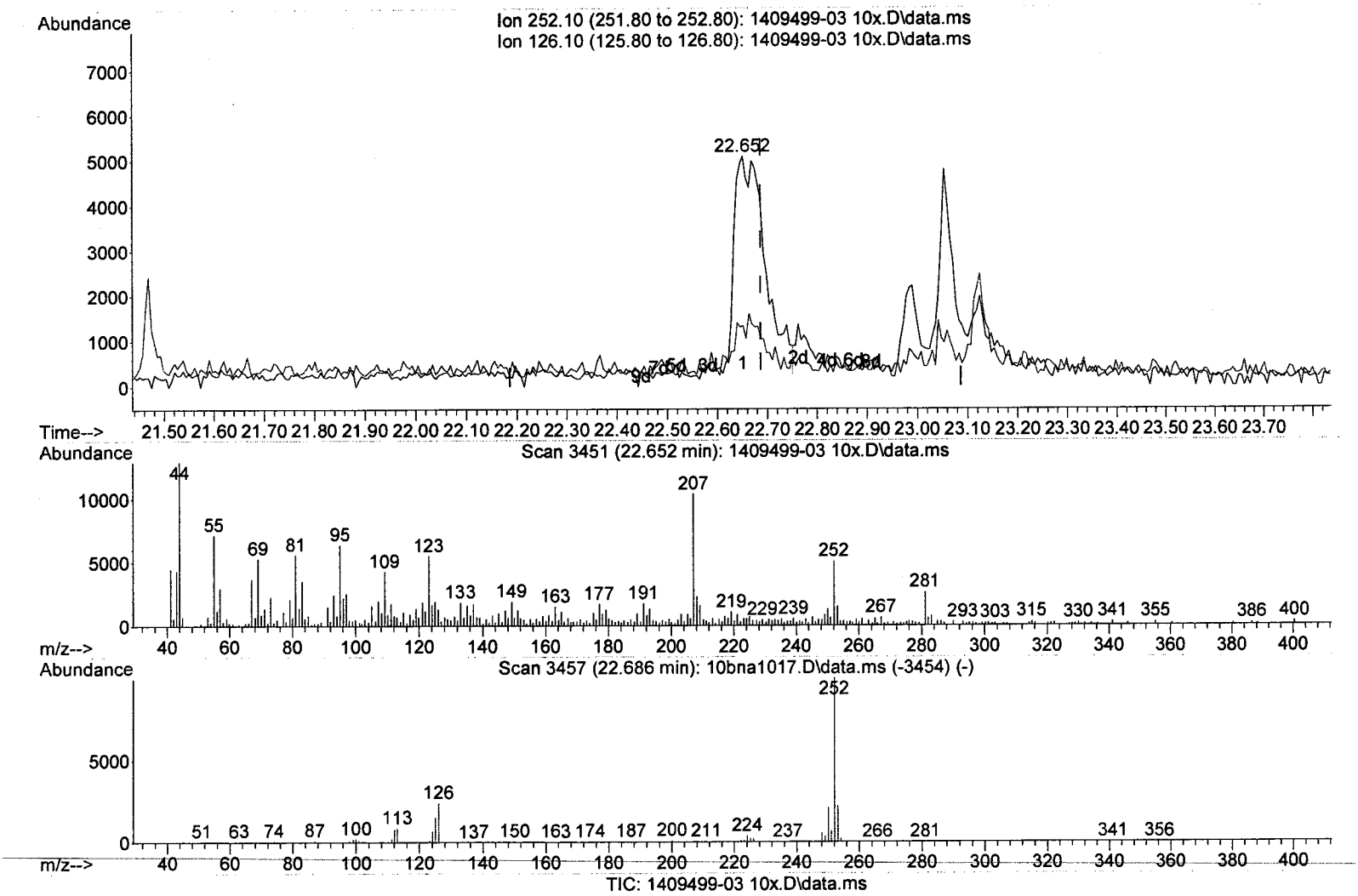
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	23.04
126.10	17.20	29.73#
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: (Yes / No)
Analyst: JLB Date: 10/17/14
Reviewed By: DW Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:23:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1409499-03 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.652min (-0.035) 0.18 ng/uL

response 20365

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	13.26#
0.00	0.00	0.00
0.00	0.00	0.00

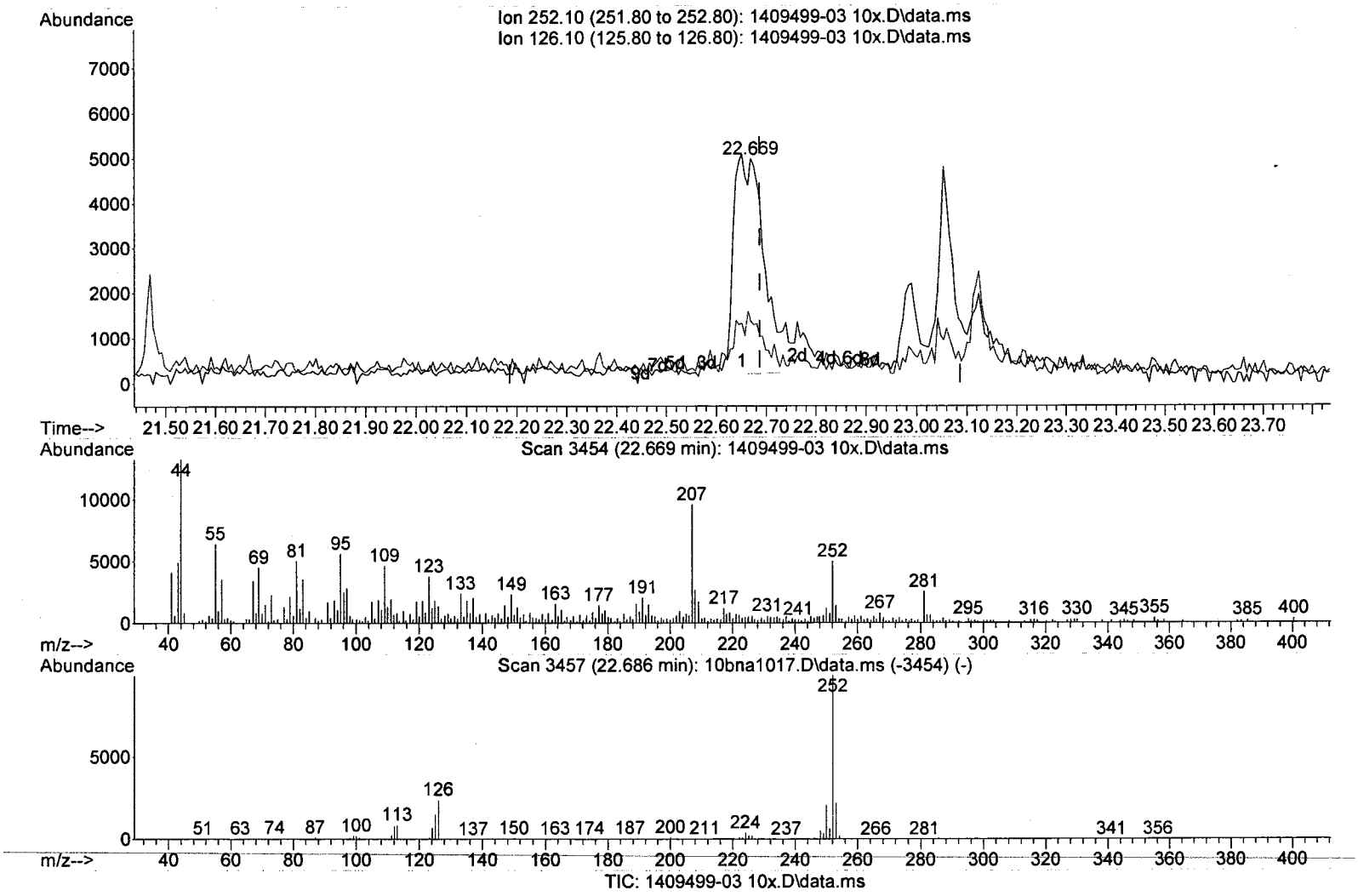
DWS 10-17-14

JLS 10/17/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:23:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1409499-03 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.669min (-0.017) 0.11 ng/uL m

response 11796

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	22.89#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/17/14

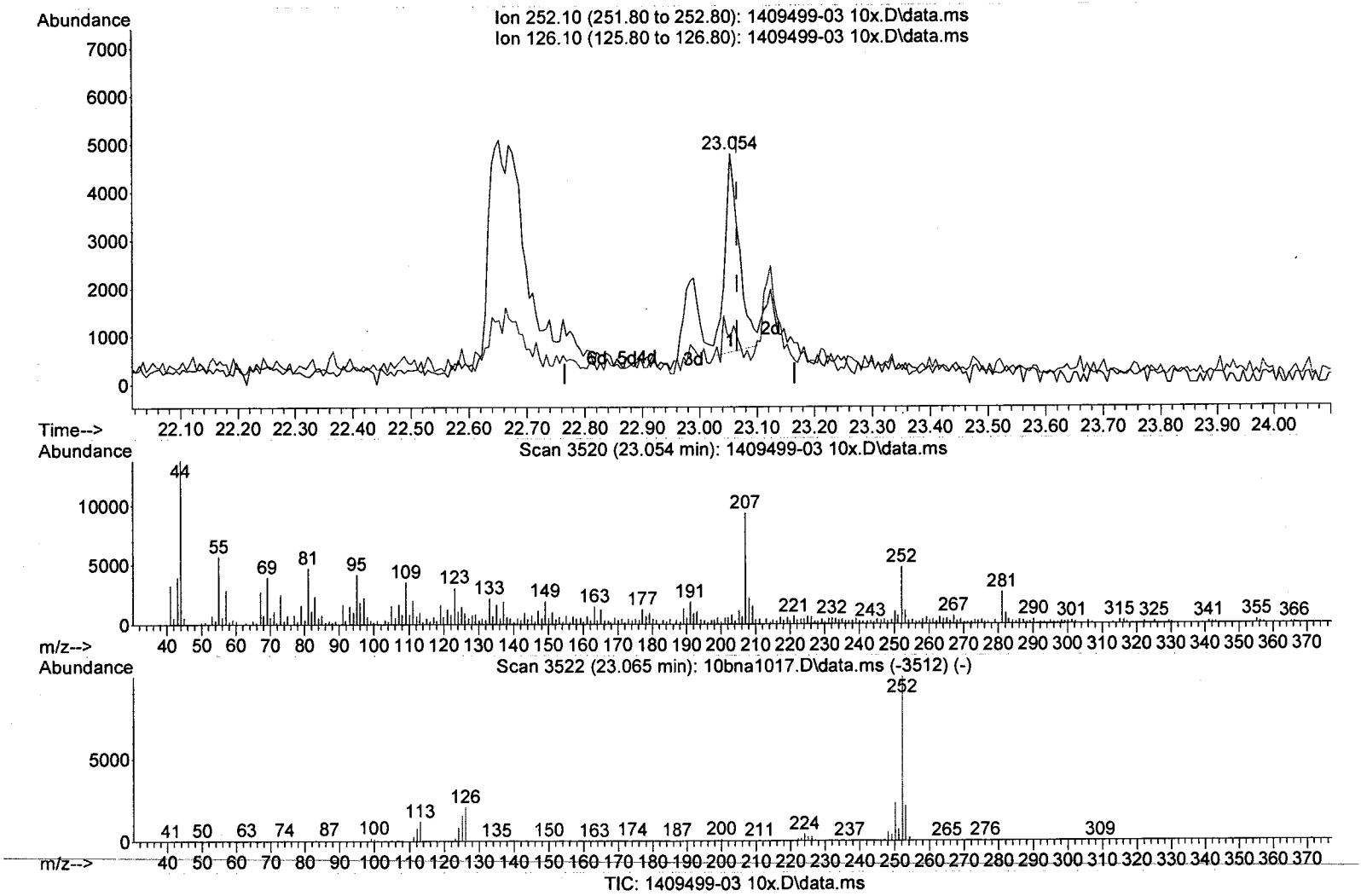
Reviewed By: DW Date: 10-17-14

003014

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:23:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1409499-03 10x.D\data.ms

(92) Benzo(a)pyrene (C)

23.054min (-0.012) 0.08 ng/uL

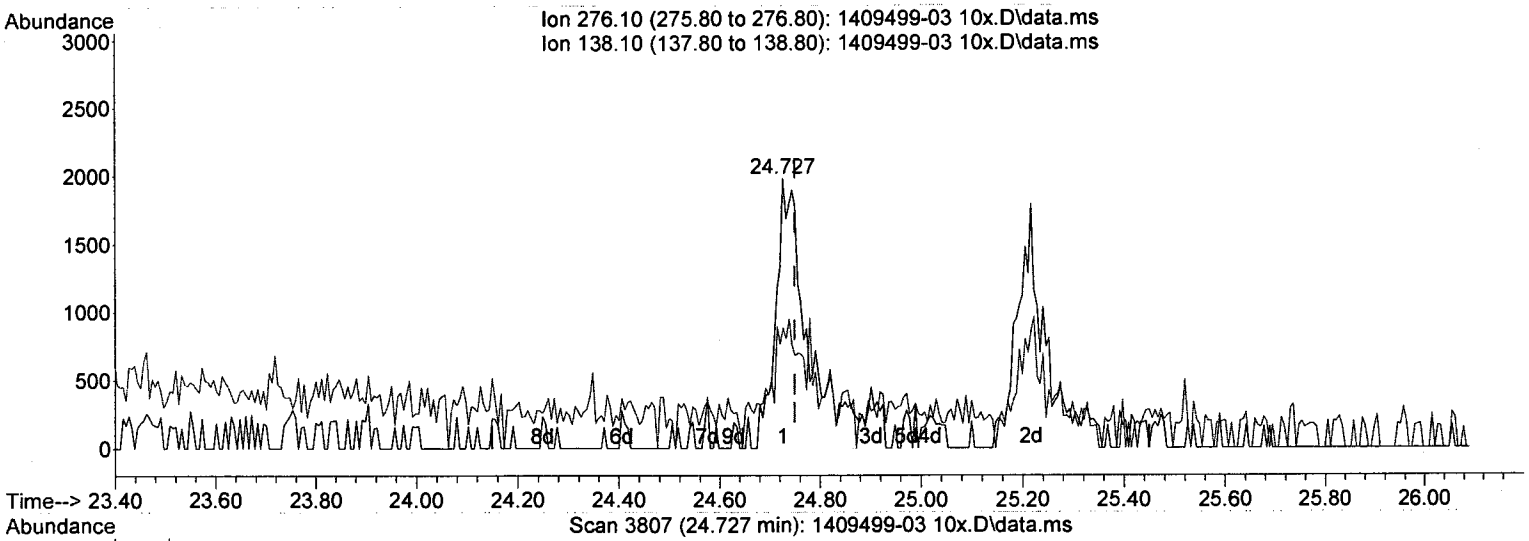
response 7137

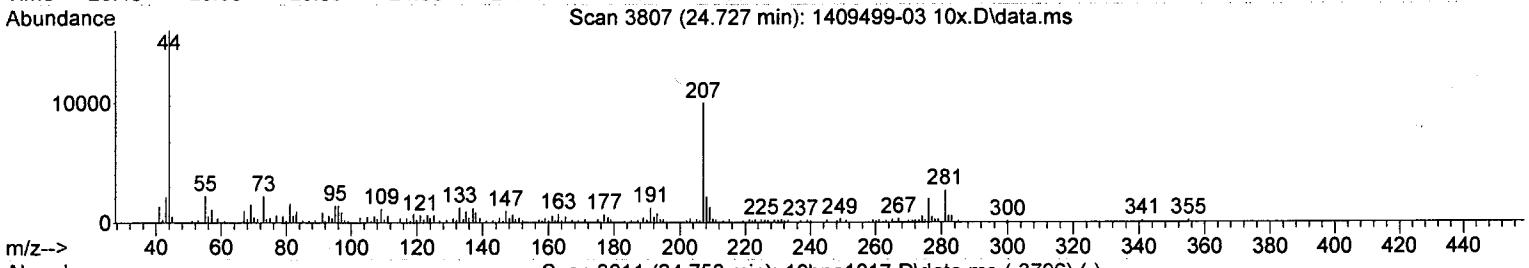
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	12.82#
0.00	0.00	0.00
0.00	0.00	0.00

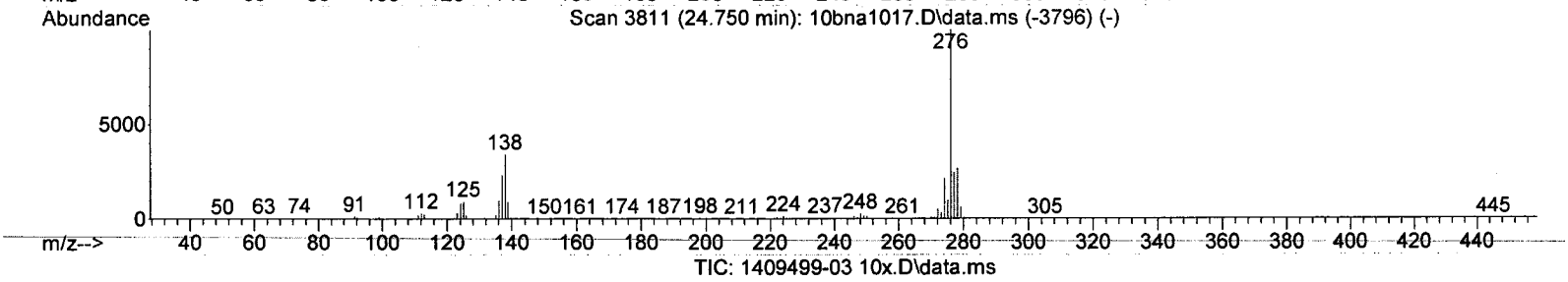
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:23:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1409499-03 10x.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.727min (-0.023) 0.11 ng/uL

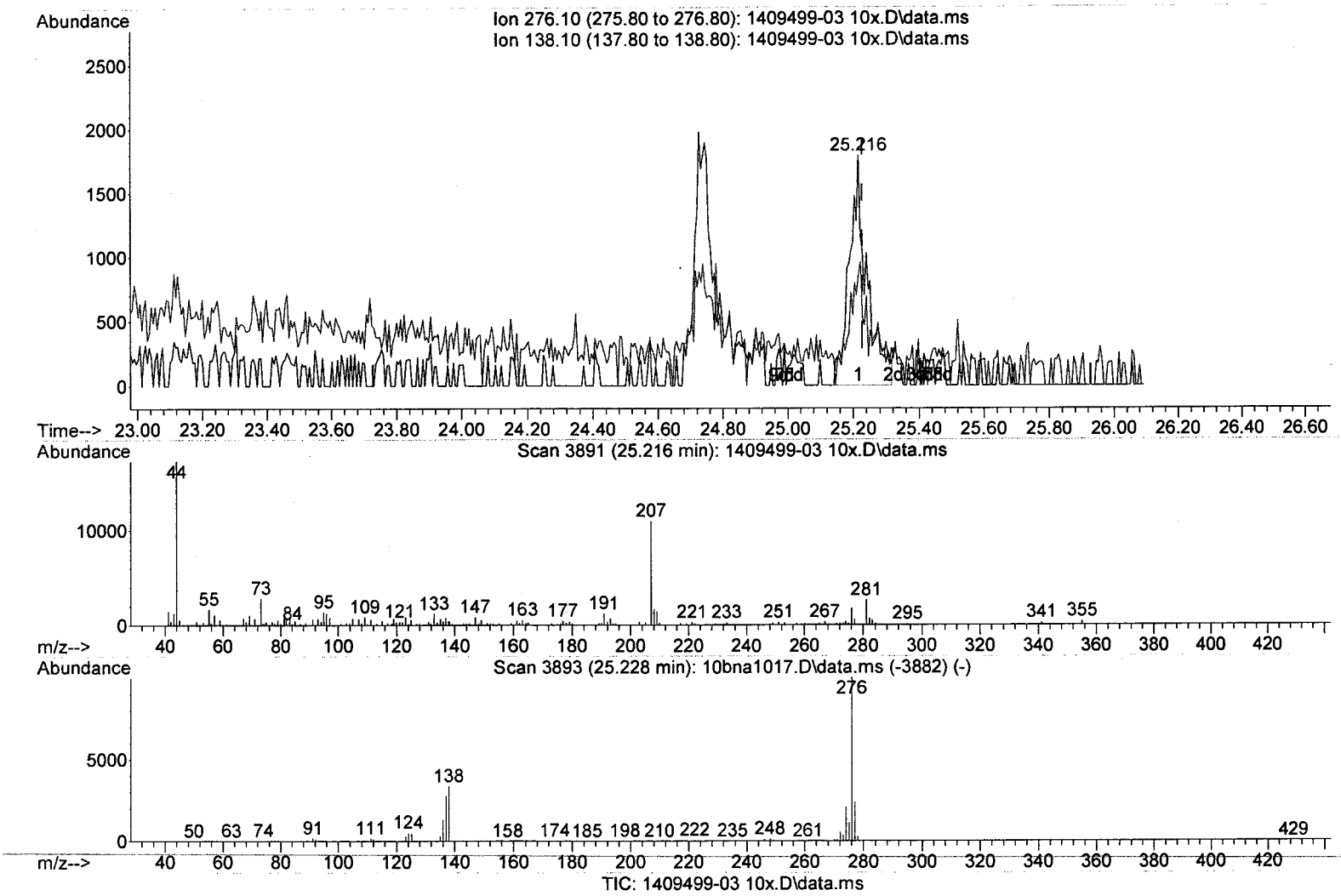
response 8887

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	24.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-03 10x.D
Acq On : 17 Oct 2014 13:46
Operator : JLB
Sample : 1409499-03 10x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 14:23:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1409499-03 10x.D\data.ms

(95) Benzo(g,h,i)Perylene

25.216min (-0.012) 0.09 ng/uL

response 6552

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	49.37#
0.00	0.00	0.00
0.00	0.00	0.00

003017

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB32-17

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-04 File ID: 1409499-04.D

Sampled: 09/26/14 12:50 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 21:41

Solids: 96.60 Preparation: 3550C Sonication Extract Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.2	17	17	U
56-55-3	Benzo(a)anthracene	1	4.2	2.8	8.6	17	J
50-32-8	Benzo(a)pyrene	1	4.6	2.4	8.6	17	J
205-99-2	Benzo(b)fluoranthene	1	11	2.0	8.6	17	J
207-08-9	Benzo(k)fluoranthene	1	4.9	2.0	8.6	17	J
191-24-2	Benzo(g,h,i)perylene	1	4.2	2.0	8.6	34	J
65-85-0	Benzoic Acid	1	88	72	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	7.0	4.0	17	17	J
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.2	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB32-17

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-04 File ID: 1409499-04.D

Sampled: 09/26/14 12:50 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 21:41

Solids: 96.60 Preparation: 3550C Sonication Extract Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	750	12	17	34	**B**
206-44-0	Fluoranthene	1	8.1	4.6	17	17	**J**
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	3.2	2.8	8.6	34	**J**
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	14	4.0	17	170	**J**
129-00-0	Pyrene	1	8.8	4.5	17	17	**J**
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	704	598	85	33 - 113	
Phenol-d6	704	649	92	30 - 115	
Nitrobenzene-d5	352	335	95	33 - 131	
2-Fluorobiphenyl	352	343	97	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB32-17

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-04
File ID: 1409499-04.D
Sampled: 09/26/14 12:50
Prepared: 10/02/14 07:41
Analyzed: 10/10/14 21:41
Solids: 96.60
Preparation: 3550C Sonication Extract
Initial/Final: 29.4 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	704	620	88	12 - 124	
o-Terphenyl	352	365	104	20 - 155	

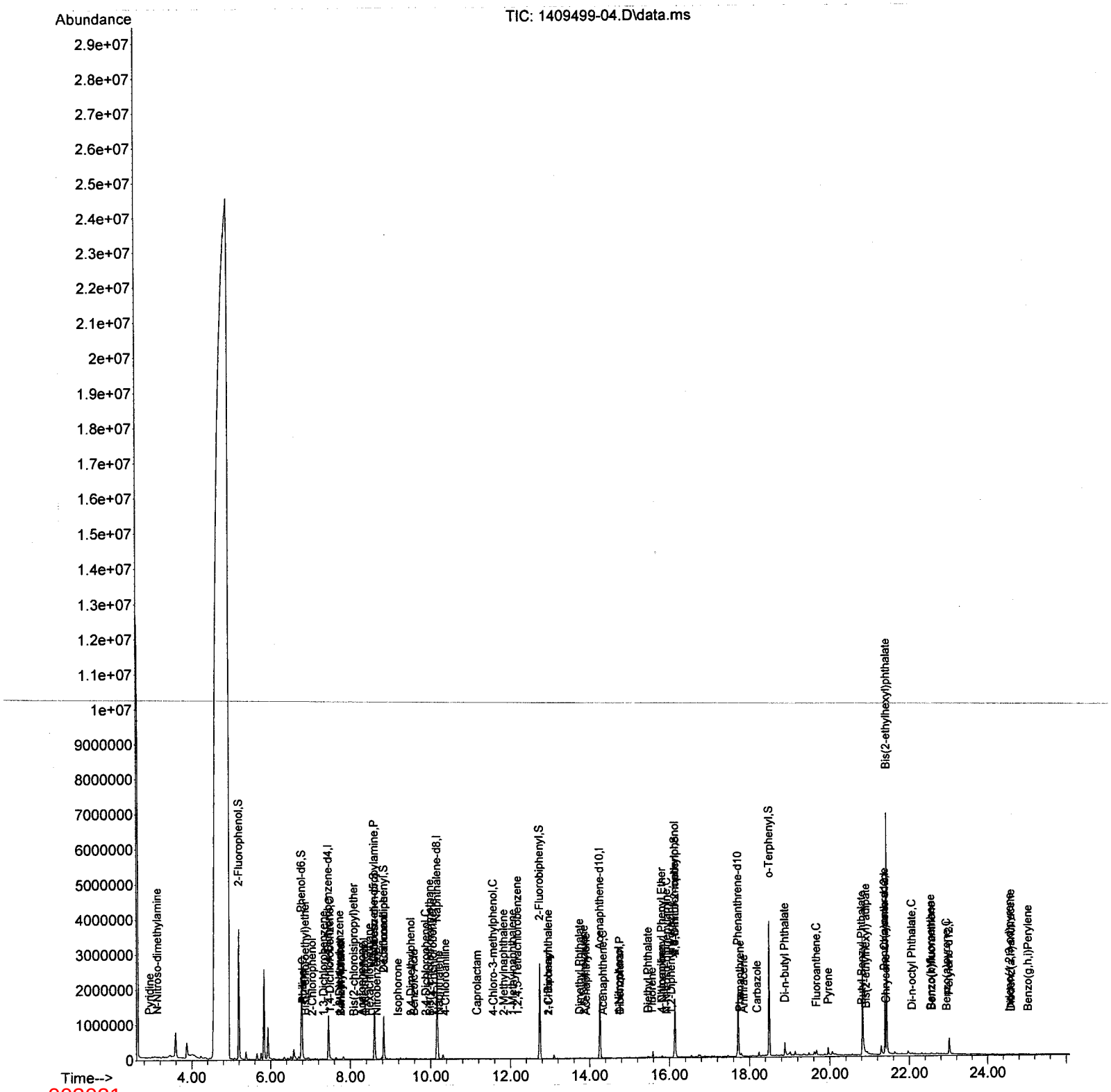
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	388674	7.453	403279	7.614	
Naphthalene-d8	1480427	10.163	1529030	10.359	
Acenaphthene-d10	810060	14.267	866604	14.474	
Phenanthrene-d10	1210488	17.717	1400442	17.901	
Chrysene-d12	723541	21.389	1153654	21.538	
Perylene-d12	283323	23.01	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:11:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:11:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.453	152	388674	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.163	136	1480427	5.00	ng/uL	-0.01
42) Acenaphthene-d10	14.267	164	810060	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.717	188	1210488	5.00	ng/uL	0.00
81) Chrysene-d12	21.389	240	723541	5.00	ng/uL	# 0.00
89) Perylene-d12	23.010	264	283323-low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.197	112	1508420	16.99	ng/uL	0.19
6) Phenol-d6	6.783	99	2119294	18.44	ng/uL	0.04
21) Nitrobenzene-d5	8.595	82	900077	9.51	ng/uL	-0.01
23) Decafluorobiphenyl	8.834	334	540750	8.15	ng/uL	0.00
47) 2-Fluorobiphenyl	12.740	172	1627802	9.73	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.143	330	323380	17.61	ng/uL	-0.01
78) o-Terphenyl	18.504	230	1077637	10.38	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.128	74	22911	RT 0.40	ng/uL#	3
3) Pyridine	2.942	79	242	0.00	ng/uL#	1
5) Aniline	6.806	93	1284	0.24	ng/uL#	1
7) Phenol	6.806	94	51195	0.39	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.870	93	547	0.00	ng/uL#	82
9) 2-Chlorophenol	7.045	128	354	0.00	ng/uL#	56
10) 1,3-Dichlorobenzene	7.331	146	1970	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.488	146	953	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.739	146	318	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.094	45	181	0.00	ng/uL#	60
14) Benzyl Alcohol	7.768	108	1177	0.02	ng/uL#	73
15) 2-Methylphenol	7.768	108	1177	0.01	ng/uL#	40
16) Acetophenone	8.286	105	2166	0.02	ng/uL#	86
17) Hexachloroethane	8.473	119	941	0.02	ng/uL#	3
18) 4-Methylphenol	8.351	108	390	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.601	70	116038	RT 1.66	ng/uL#	5
22) Nitrobenzene	8.654	77	95	0.00	ng/uL#	10
24) Isophorone	9.184	82	1929	0.01	ng/uL	97
25) 2-Chloroaniline	8.834	127	7666	0.06	ng/uL#	60
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.511	107	272	0.00	ng/uL#	59
28) Bis(2-chlorethoxy)methane	9.983	93	71	0.00	ng/uL	87
29) 2,4-Dichlorophenol	9.884	162	111	0.00	ng/uL#	1
30) Benzoic Acid	9.586	105	3359m	2.50	ng/uL	
31) 1,2,4-Trichlorobenzene	10.064	180	1085	0.01	ng/uL	86
32) Naphthalene	10.210	128	1567	0.01	ng/uL#	1
33) 4-Chloroaniline	10.373	127	133	0.00	ng/uL#	1
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.160	55	8905	0.21	ng/uL#	36
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	11.568	107	452	0.01	ng/uL#	69
39) 2-Methylnaphthalene	11.830	142	472	0.00	ng/uL#	67
40) 1-Methylnaphthalene	12.058	142	482	0.00	ng/uL#	91
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:11:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.180	216	53	0.00	ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	12.961	162	213	0.00	ng/uL#	55
49) 1,1'-Biphenyl	12.955	154	704	0.00	ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	13.917	152	345	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	13.864	165	172	0.00	ng/uL#	5
53) Dimethyl Phthalate	13.754	163	12856	0.07	ng/uL#	86
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.342	153	850	0.00	ng/uL#	85
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.762	168	484	0.00	ng/uL	88
58) 4-Nitrophenol	14.745	65	115	0.00	ng/uL#	18
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.572	166	751	0.00	ng/uL#	1
63) Diethyl Phthalate	15.467	149	14235	0.09	ng/uL	100
64) 4-Chlorophenyl Phenyl ...	15.817	204	1297	0.02	ng/uL#	1
65) 4-Nitroaniline	15.817	138	385	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.143	198	984	1.02	ng/uL#	1
68) N-Nitroso-diphenylamine	15.939	169	369	0.00	ng/uL#	26
69) 1,2-Diphenylhydrazine	16.050	182	1151	0.02	ng/uL#	55
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	0.000		0	N.D.		
75) Phenanthrene	17.764	178	20149	0.09	ng/uL	97
76) Anthracene	17.857	178	2800	0.01	ng/uL#	75
77) Carbazole	18.195	167	3209	0.02	ng/uL#	72
79) Di-n-butyl Phthalate	18.889	149	28764	0.12	ng/uL#	92
80) Fluoroanthene	19.670	202	52344	0.23	ng/uL	99
82) Pyrene	19.961	202	42946	0.25	ng/uL#	86
83) Butyl Benzyl Phthalate	20.806	149	2966	0.04	ng/uL#	7
84) Bis(2-ethylhexyl) adipate	20.911	129	1928	0.10	ng/uL#	100
85) Benzo(a)anthracene	21.383	228	15364	0.12	ng/uL#	66
86) Chrysene	21.418	228	26008	0.20	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.436	149	1853053	21.35	ng/uL	93
88) Di-n-octyl Phthalate	22.071	149	6929m	0.38	ng/uL	
90) Benzo(b)fluoroanthene	22.549	252	16571m	0.32	ng/uL	
91) Benzo(k)fluoranthene	22.572	252	8225m	0.14	ng/uL	
92) Benzo(a)pyrene	22.945	252	6332	0.13	ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.566	276	3698m	0.09	ng/uL	
94) Dibdenz(a,h)anthracene	24.595	278	672	0.02	ng/uL#	38
95) Benzo(g,h,i)Perylene	25.032	276	4468	0.12	ng/uL#	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

003023

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 08:50:34 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

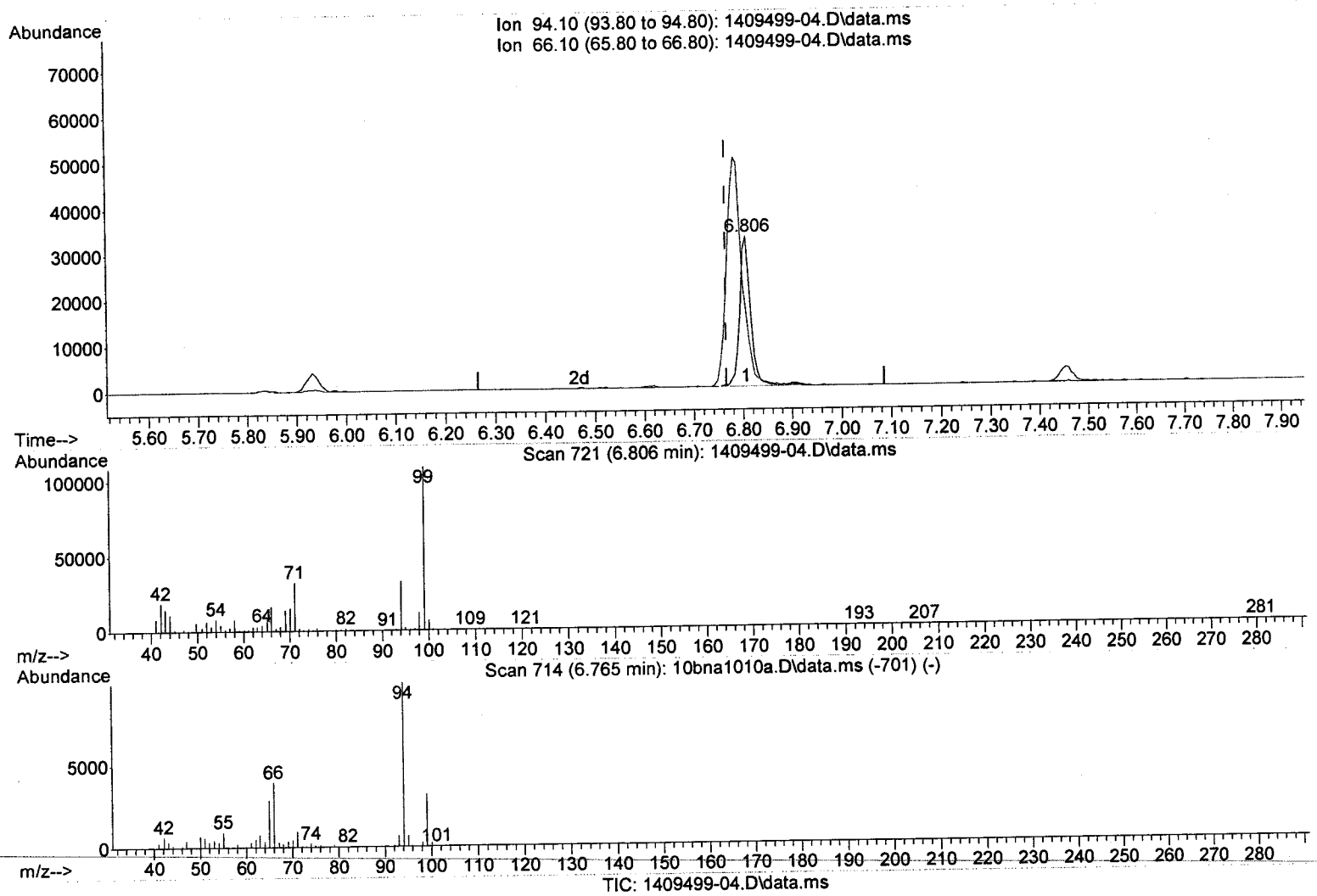
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.453	152	380927	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.163	136	1480427	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.267	164	808725	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.717	188	1210488	5.00	ng/uL		0.00
19) Chrysene-d12	21.389	240	723541	5.00	ng/uL	#	0.00
22) Perylene-d12	23.010	264	283323	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.924	74	2086	0.03	ng/uL		87
3) Pyridine	2.988	79	777	0.01	ng/uL		85
4) Aniline	6.806	93	1284	0.01	ng/uL#		1
5) Benzaldehyde	6.573	105	9197	0.11	ng/uL#		84
6) Acetophenone	8.286	105	2166	0.01	ng/uL#		86
7) N-Nitroso-di-n-propyla...	8.316	70	1120	0.02	ng/uL		89
9) 4-Chloroaniline	10.787	127	110	0.01	ng/uL		96
10) Caprolactam	11.160	55	1994	0.14	ng/uL#		43
12) 1,1'-Biphenyl	12.955	154	704	0.00	ng/uL#		40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.747	138	54	Below Cal	#		56
17) N-Nitroso-diphenylamine	15.939	169	369	0.00	ng/uL#		26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.060	184	413	0.41	ng/uL#		1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04
Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(7) Phenol (C)

6.806min (+ 0.041) 0.39 ng/uL

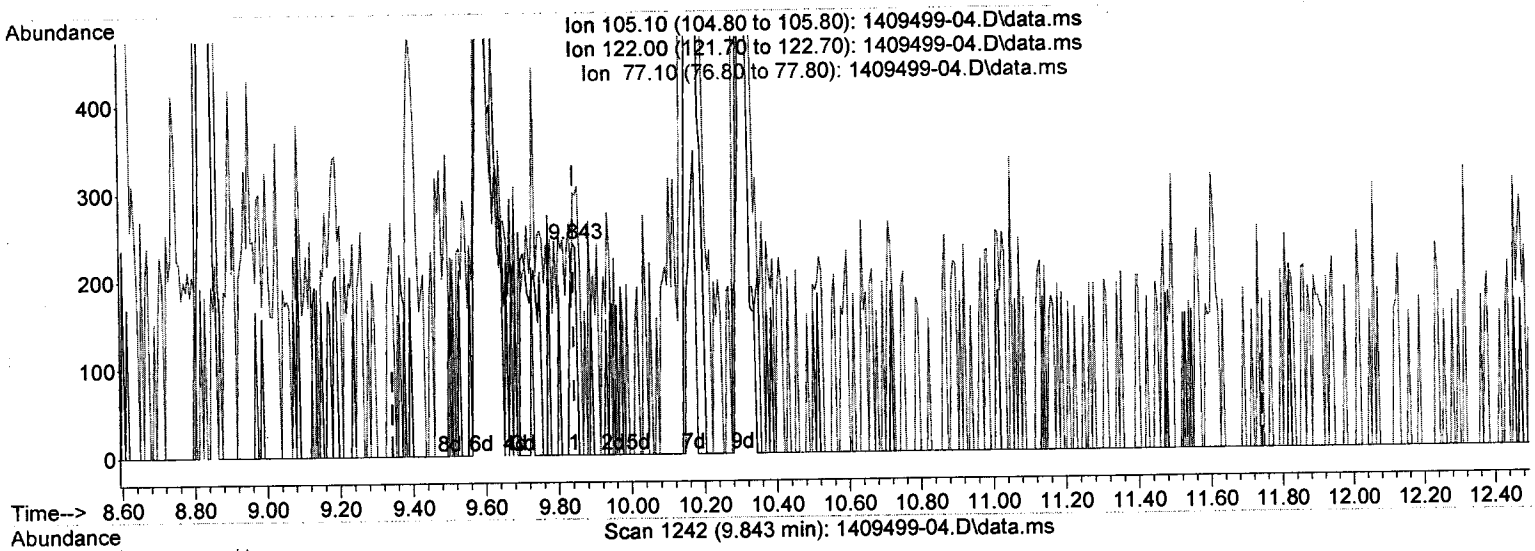
response 51195

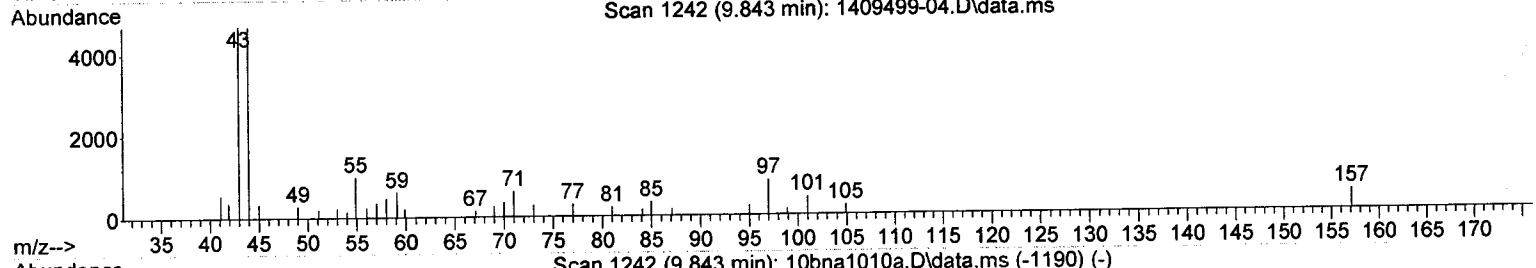
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	213.42#
0.00	0.00	0.00
0.00	0.00	0.00

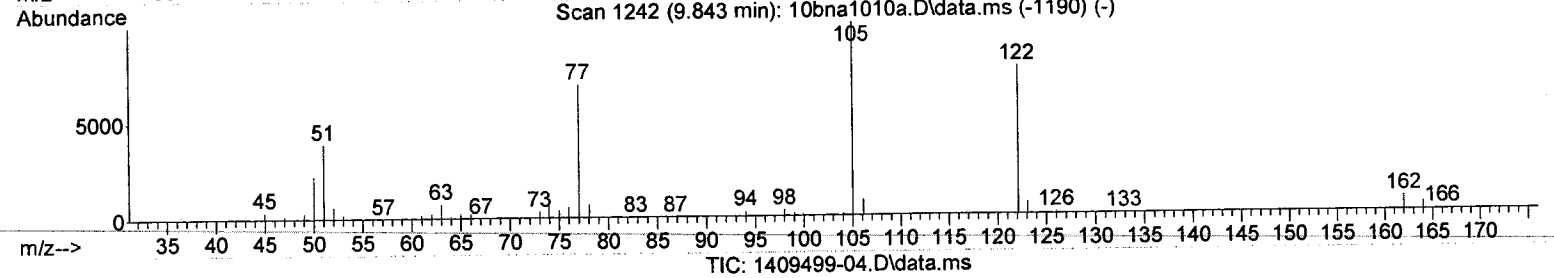
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1409499-04.D\data.ms

(30) Benzoic Acid

9.843min (0.000) 2.46 ng/uL

response 300

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	128.33#
0.00	0.00	0.00

DWT 10-17-14

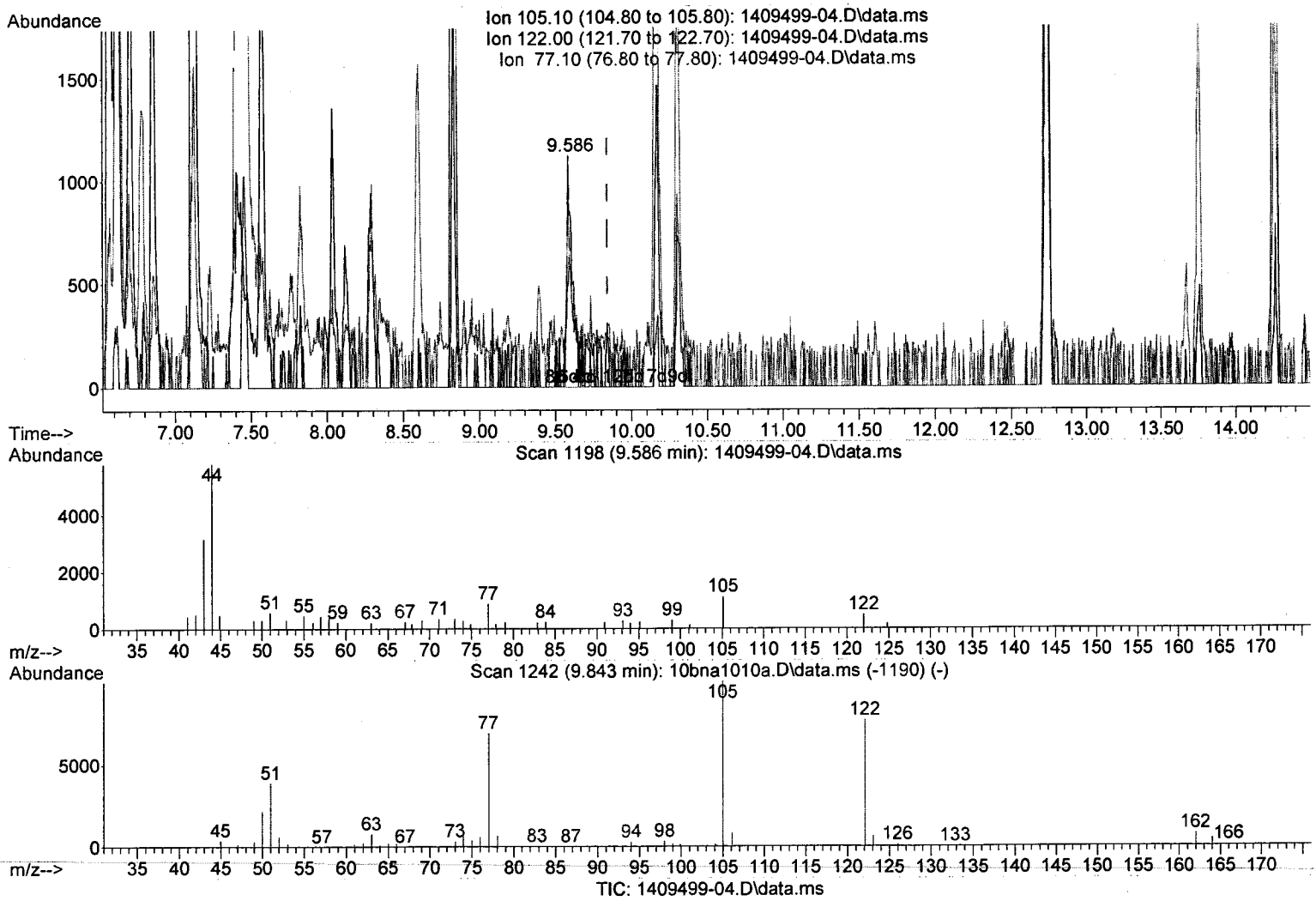
JWO 10/15/14

003026

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.586min (-0.256) 2.50 ng/uL m

response 3359

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	11.46#
0.00	0.00	0.00

Manual Integration Explanation

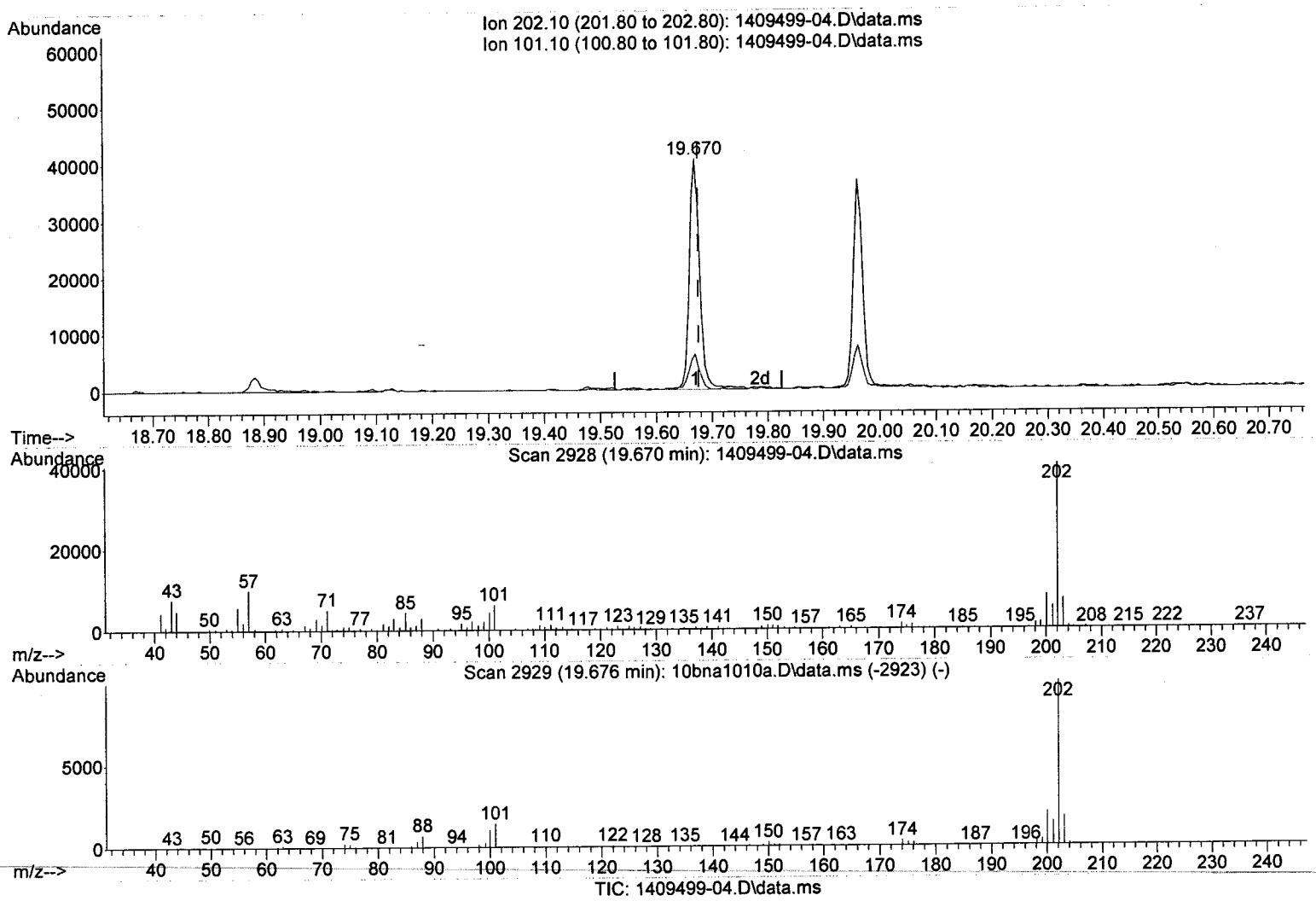
Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No
Analyst: JLB Date: 10/15/14
Reviewed By: DW Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(80) Fluoroanthene (C)

19.670min (-0.006) 0.23 ng/uL

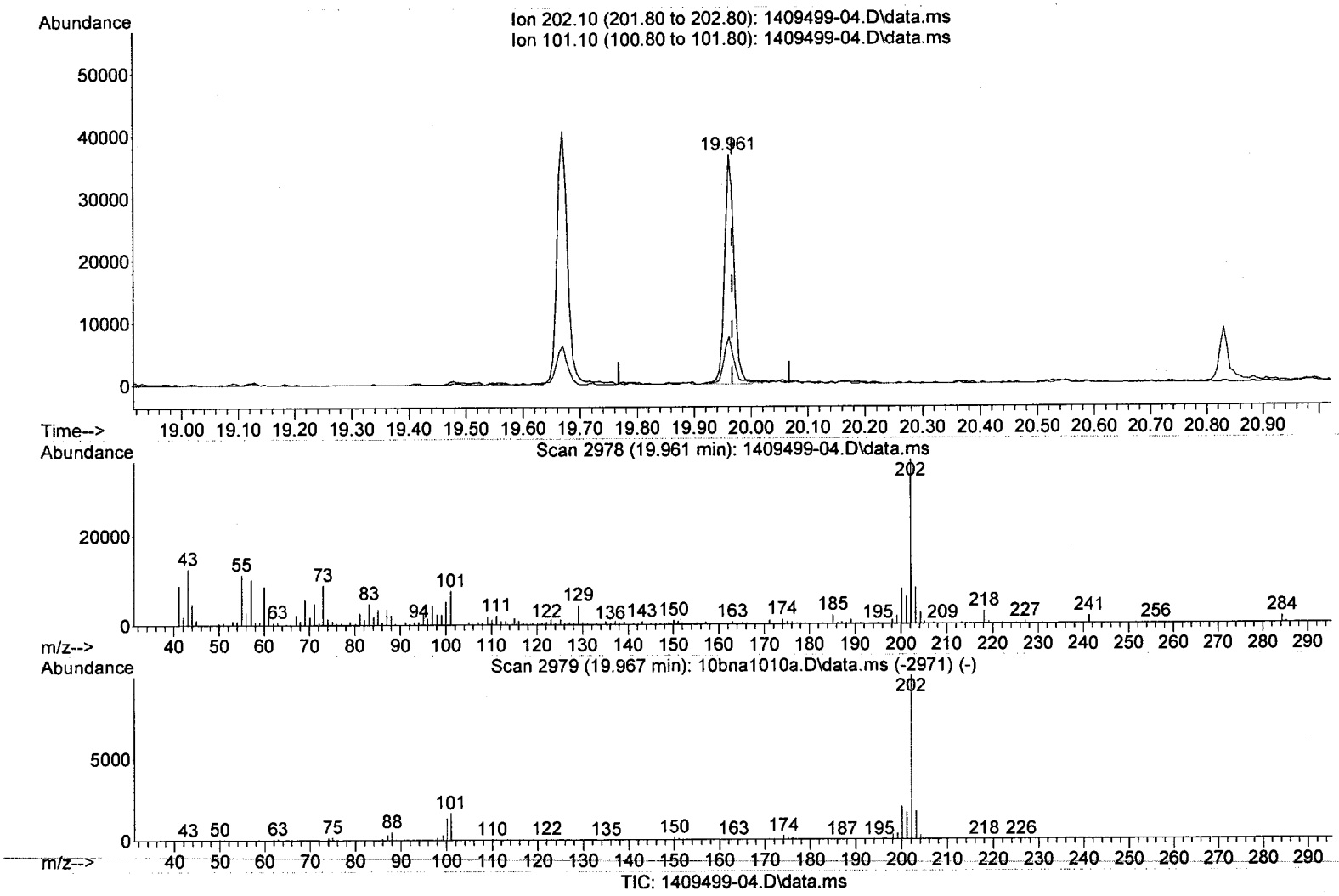
response 52344

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	15.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(82) Pyrene

19.961min (-0.006) 0.25 ng/uL

response 42946

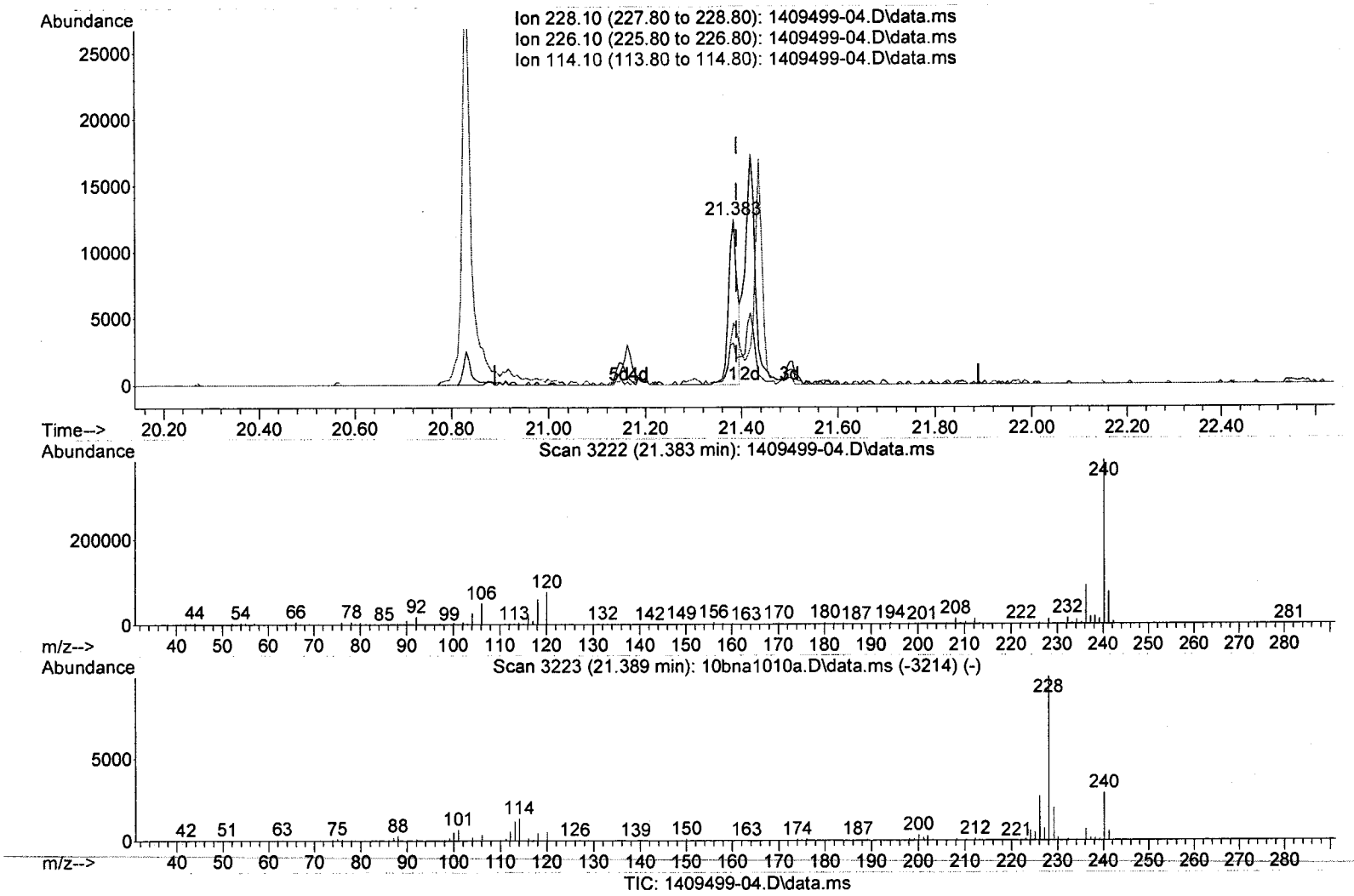
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	21.94#
0.00	0.00	0.00
0.00	0.00	0.00

003029

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1409499-04.D\data.ms

(85) Benzo(a)anthracene

21.383min (-0.006) 0.12 ng/uL

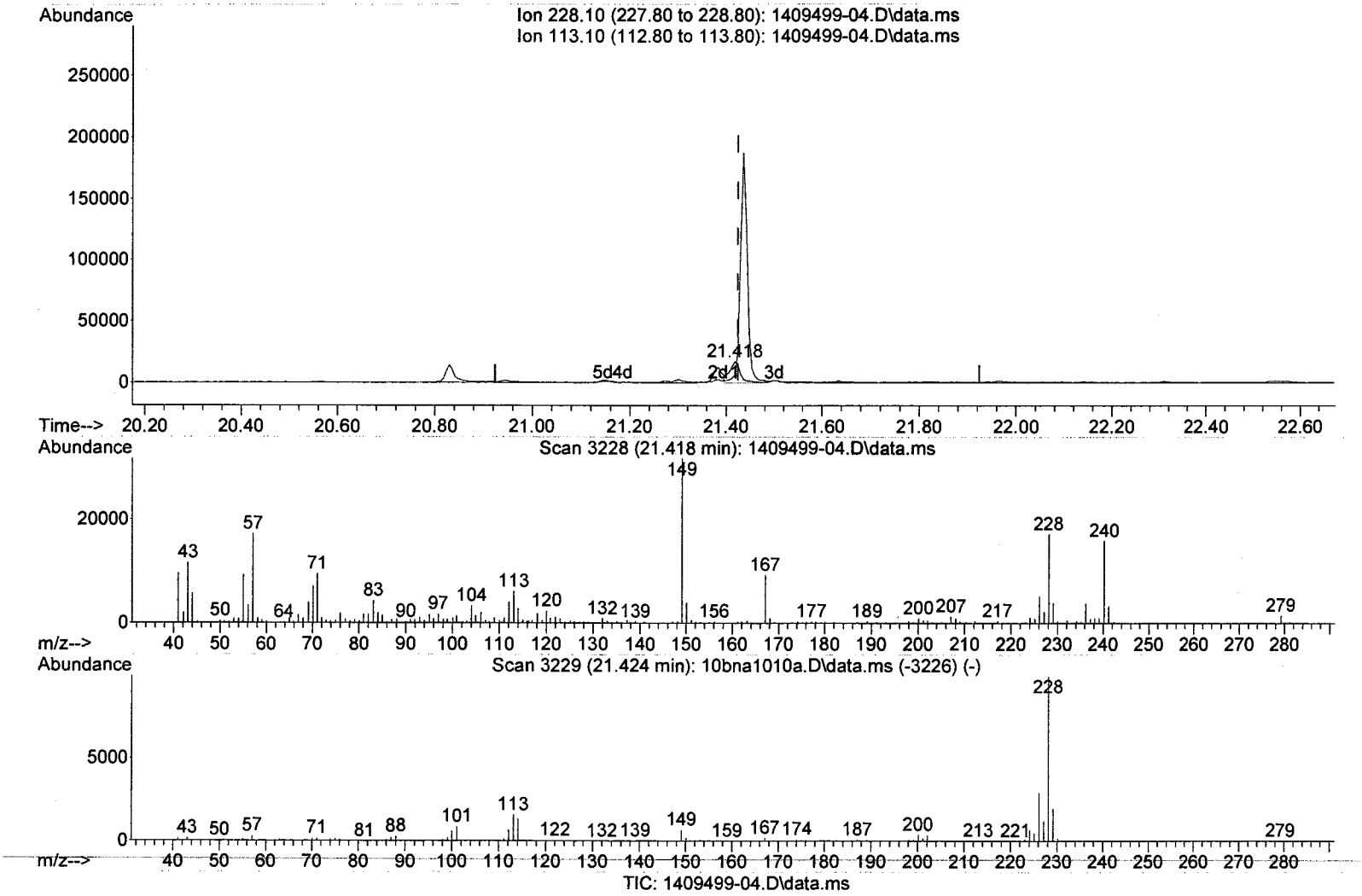
response 15364

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	28.32
114.10	13.30	49.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(86) Chrysene

21.418min (-0.006) 0.20 ng/uL

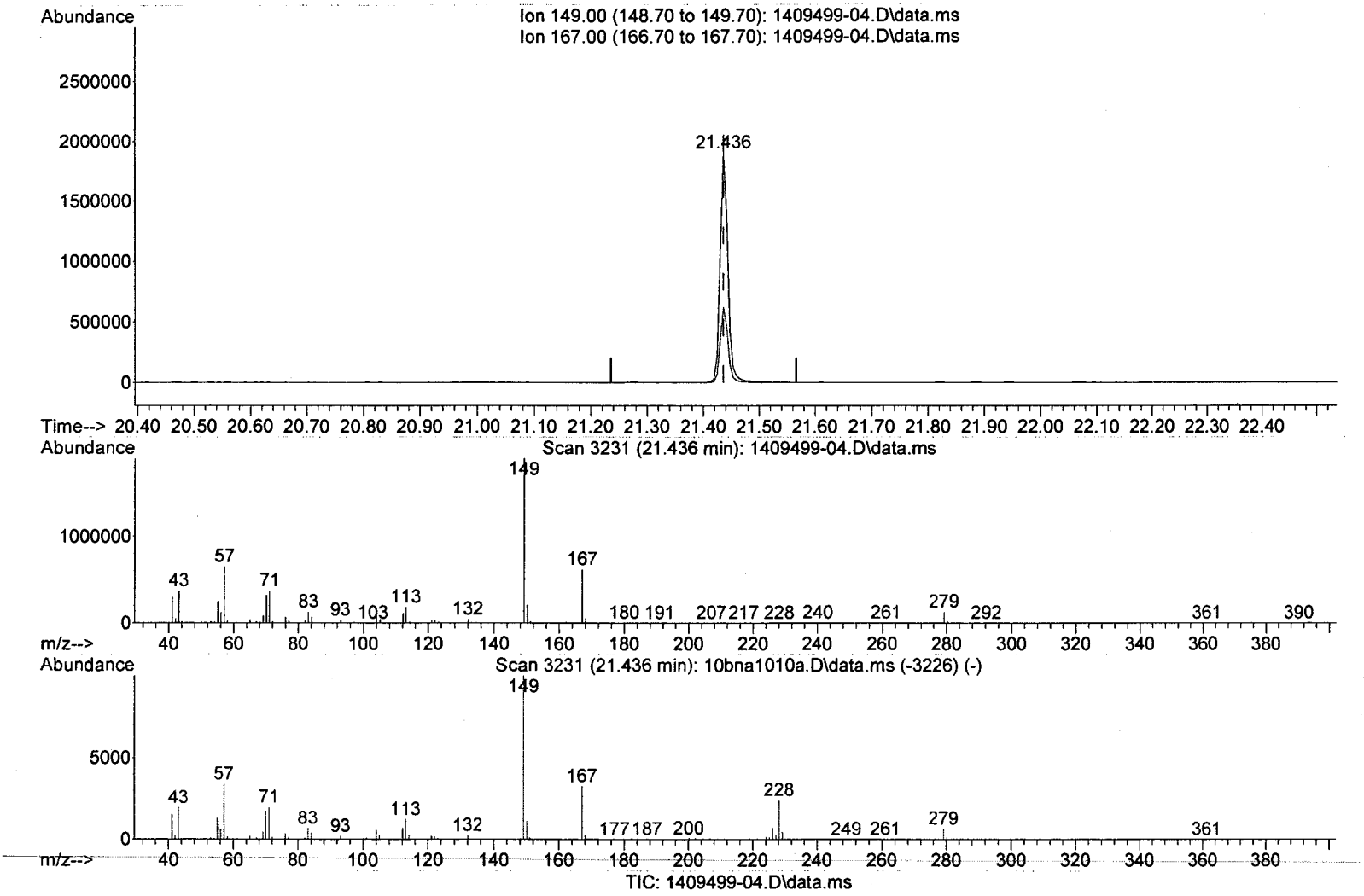
response 26008

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	692.45#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1409499-04.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.436min (0.000) 21.35 ng/uL

response 1853053

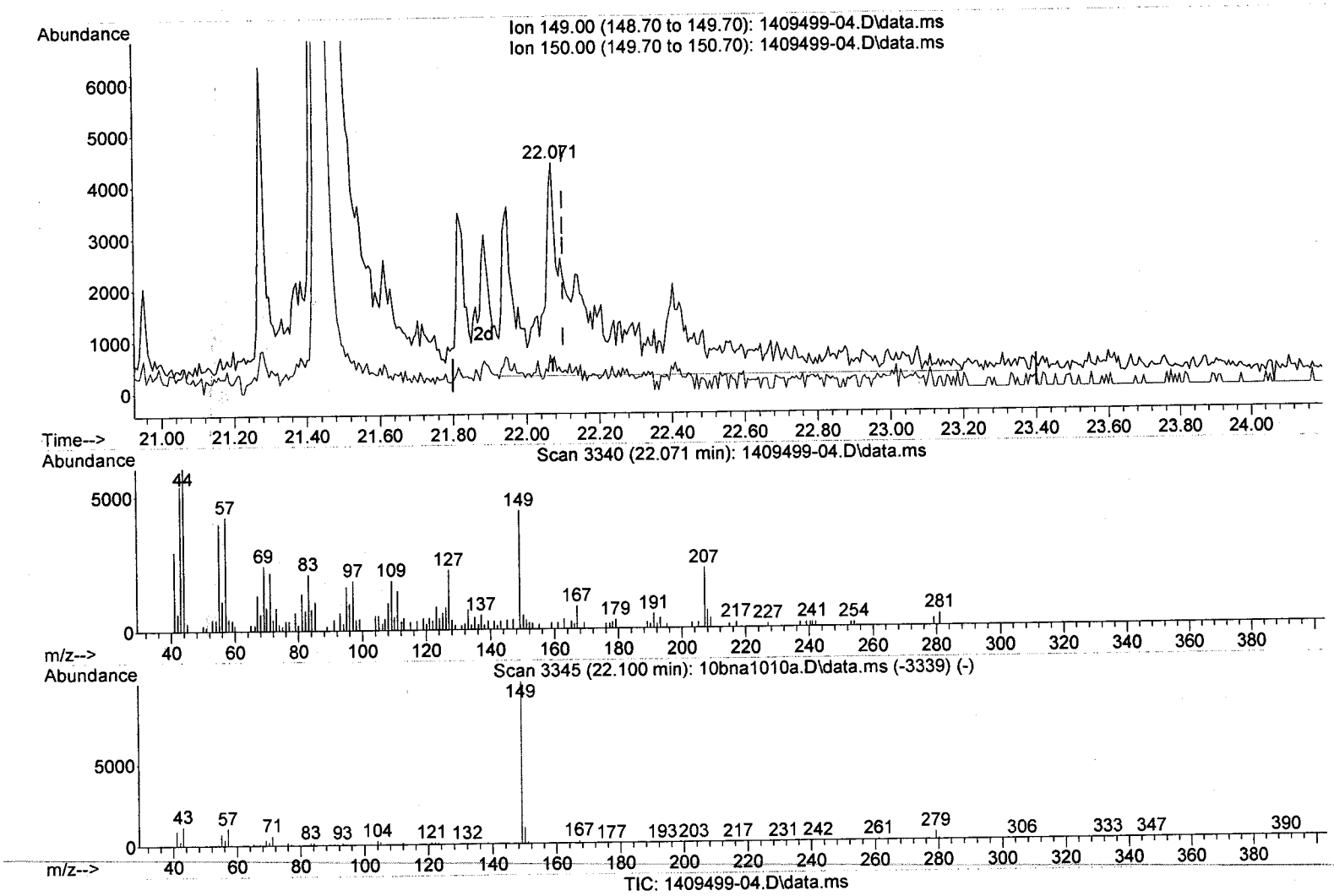
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04
ALS Vial : 14 Sample Multiplier: 1

Inst : 339

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.071min (-0.029) 0.68 ng/uL

response 54926

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.46#
0.00	0.00	0.00
0.00	0.00	0.00

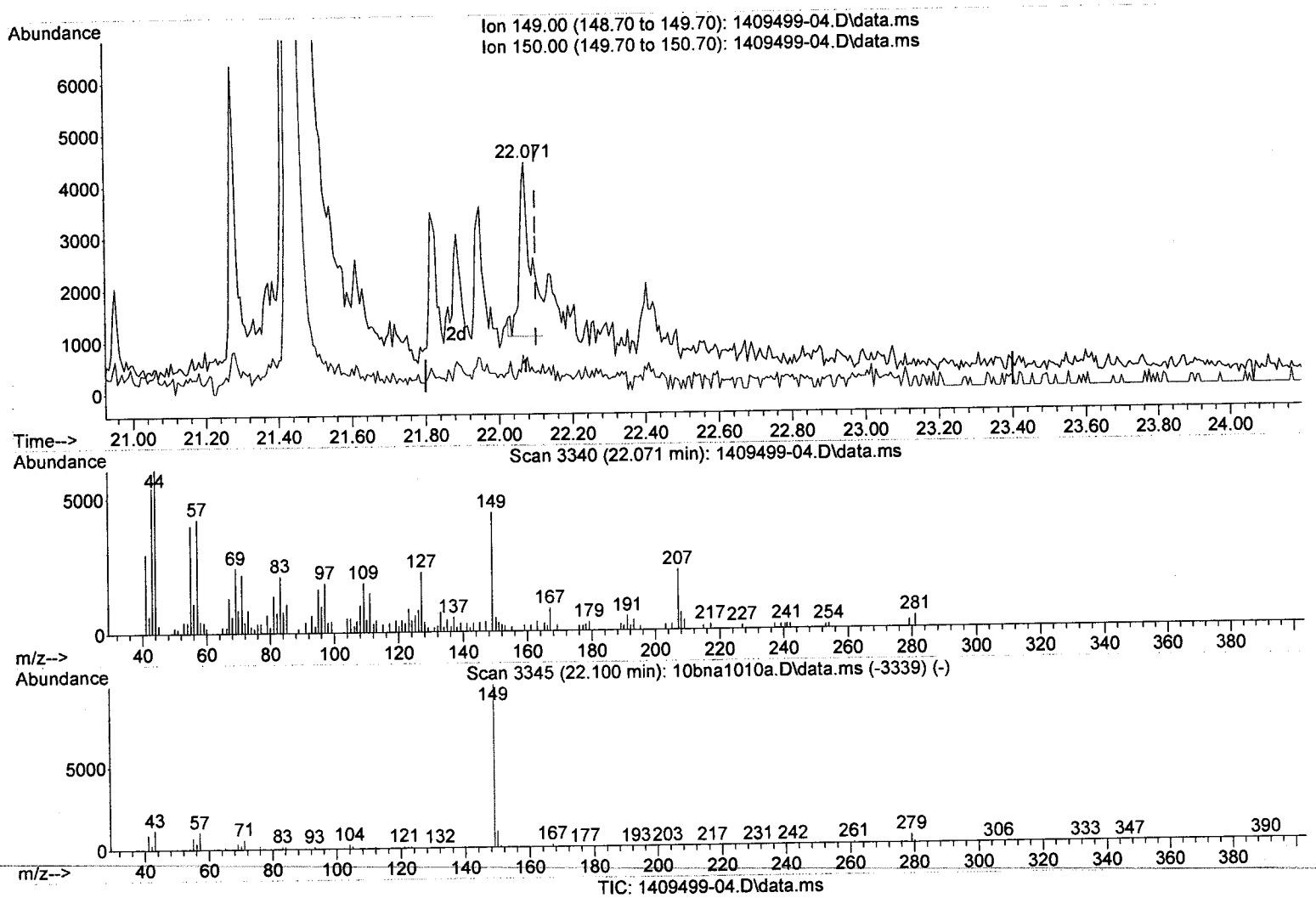
DWS 10-17-14

JMD 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04
Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.071min (-0.029) 0.38 ng/uL m

response 6929

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	11.57#
0.00	0.00	0.00
0.00	0.00	0.00

PD

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

Analyst: Jlb Date: 10/15/14

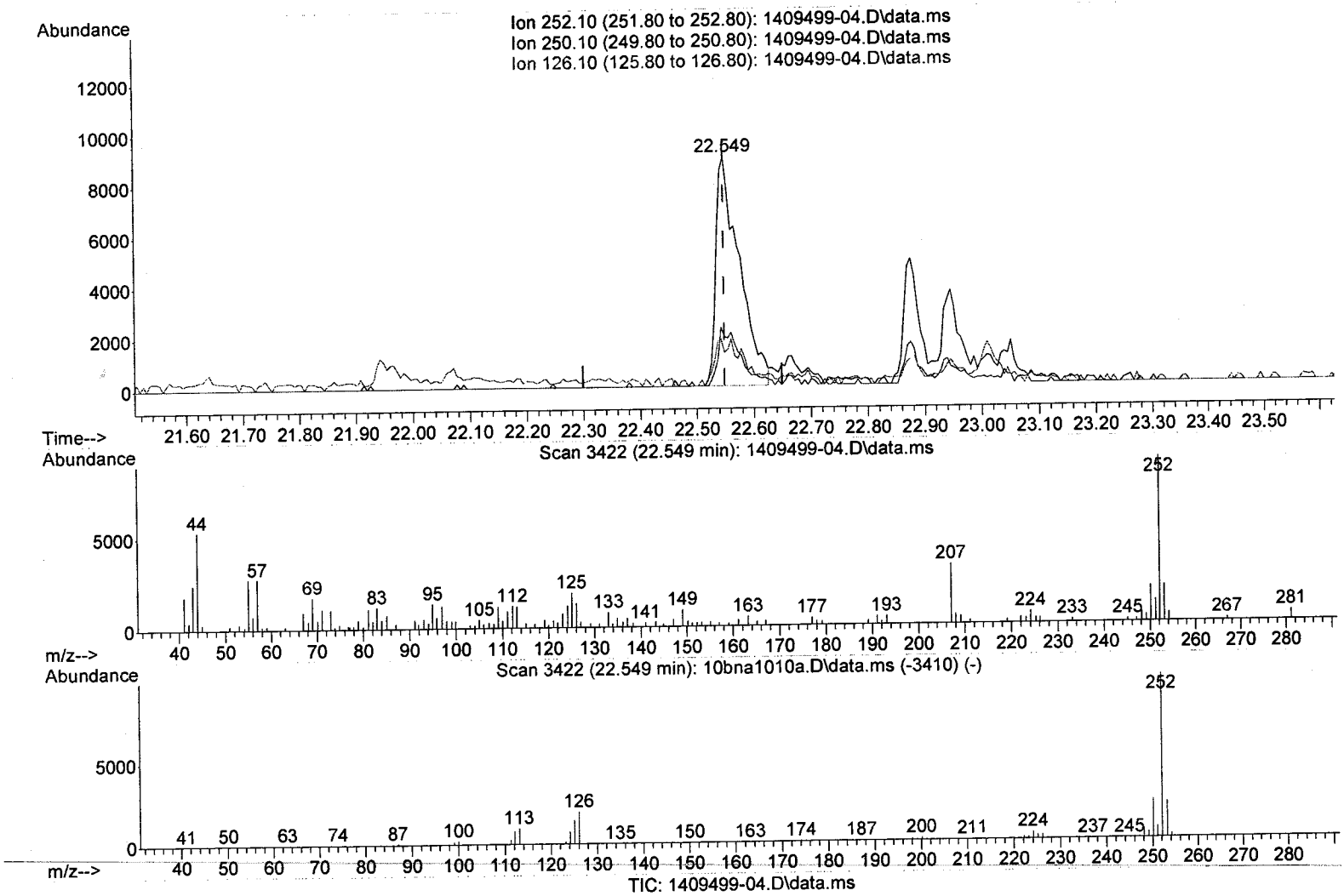
Reviewed By: DW Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04
ALS Vial : 14 Sample Multiplier: 1

Inst : 339

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.549min (0.000) 0.50 ng/uL

response 25527

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	24.02
126.10	17.20	24.50#
0.00	0.00	0.00

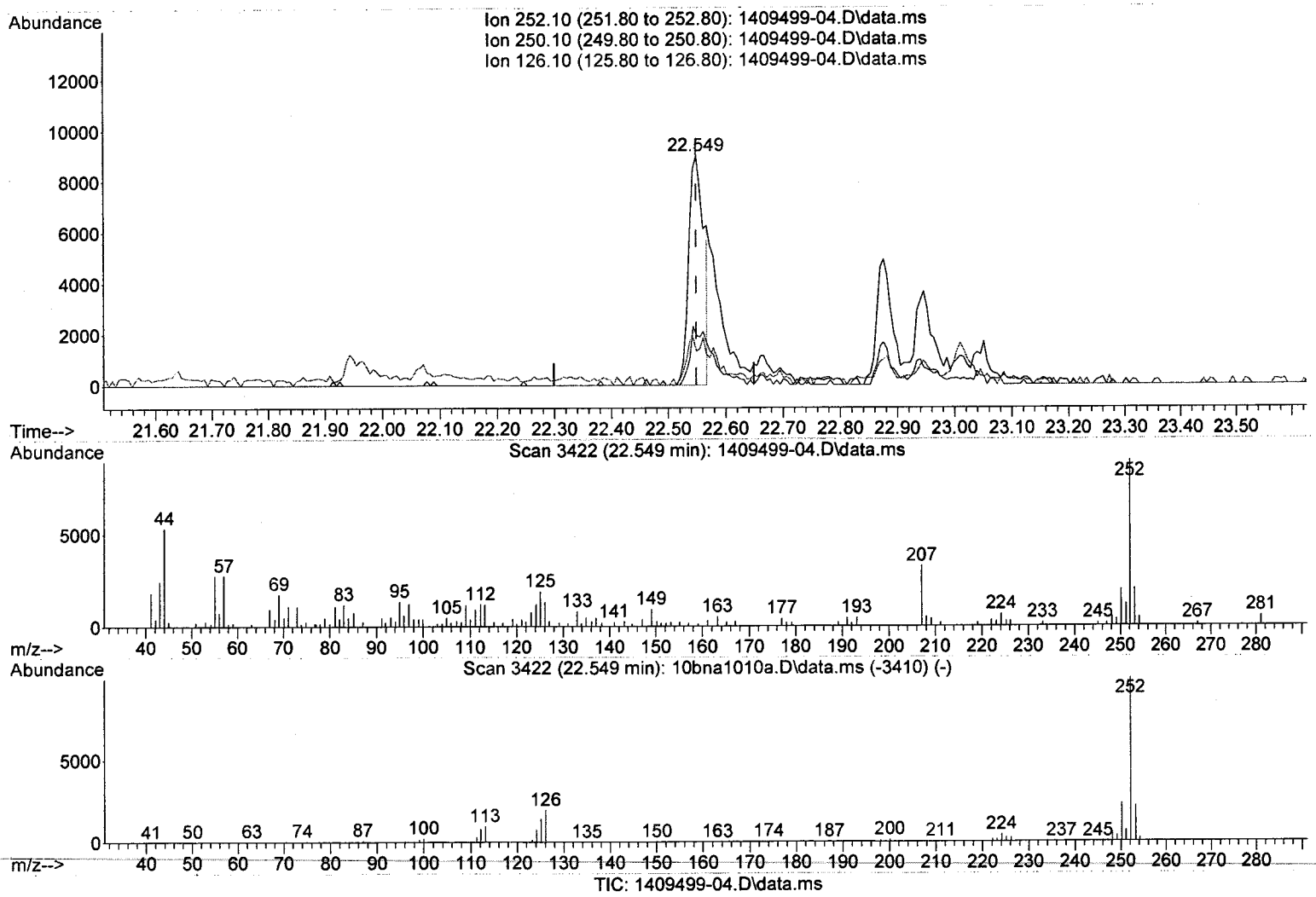
DWS 10-17-14

JWS 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1409499-04.D\data.ms

(90) Benzo(b)fluoroanthene

22.549min (0.000) 0.32 ng/uL m

response 16571

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	37.00#
126.10	17.20	37.75#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JWB Date: 10/15/14

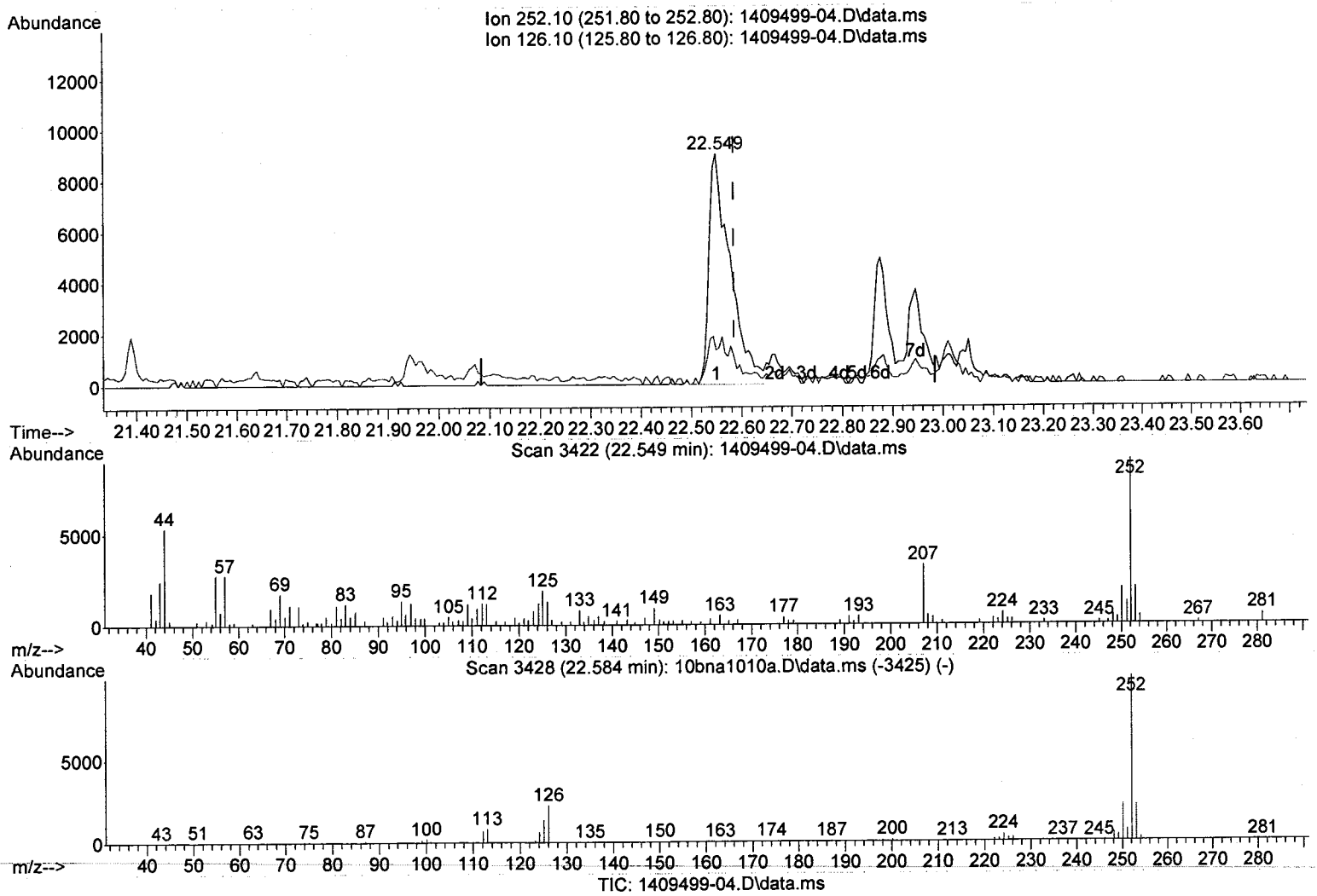
Reviewed By: DWS Date: 10-17-14

003036

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.549min (-0.035) 0.45 ng/uL

response 26147

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	25.68#
0.00	0.00	0.00
0.00	0.00	0.00

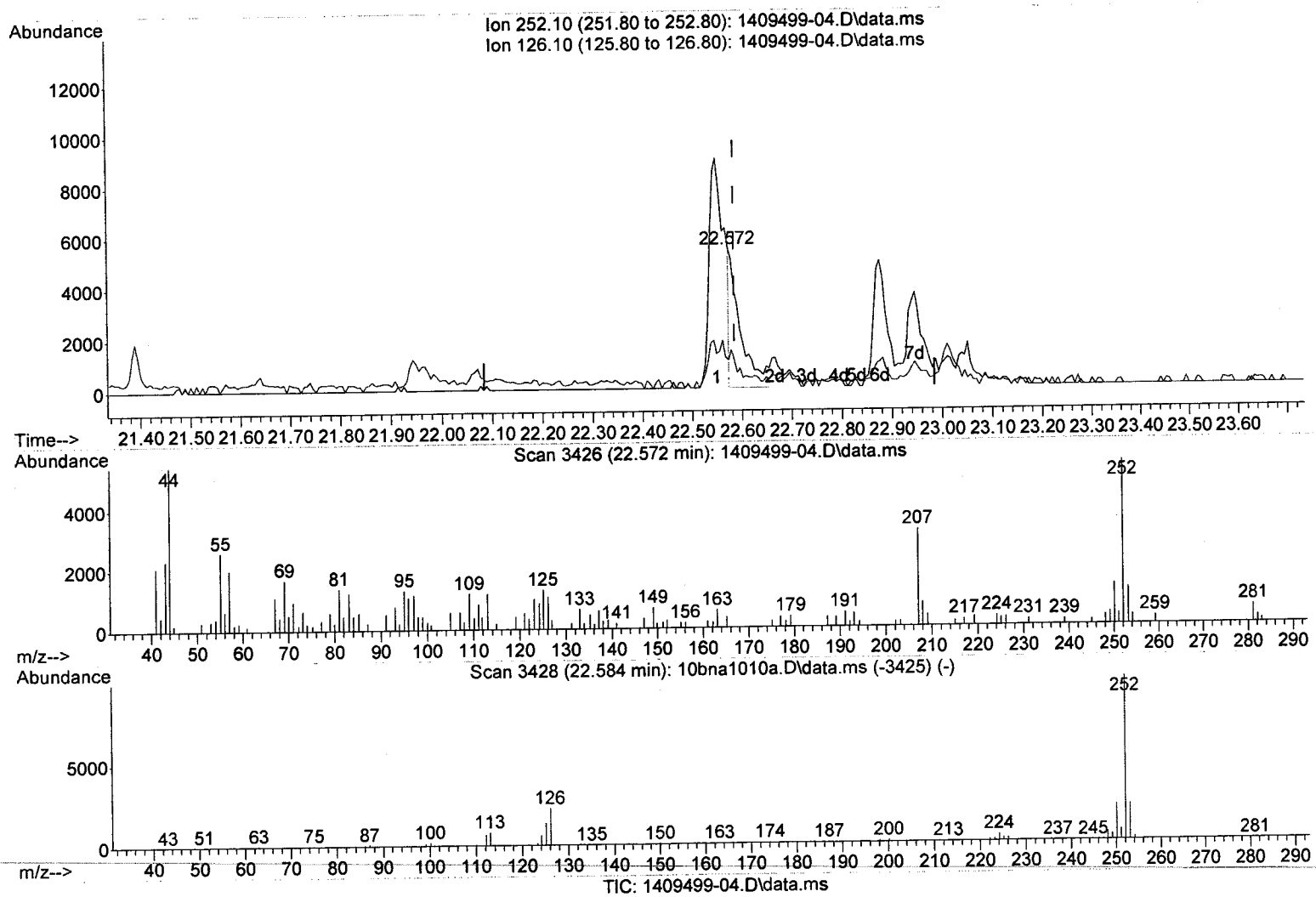
DWO 10-17-14

JLB 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04
Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.572min (-0.012) 0.14 ng/uL m

response 8225

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	81.63#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

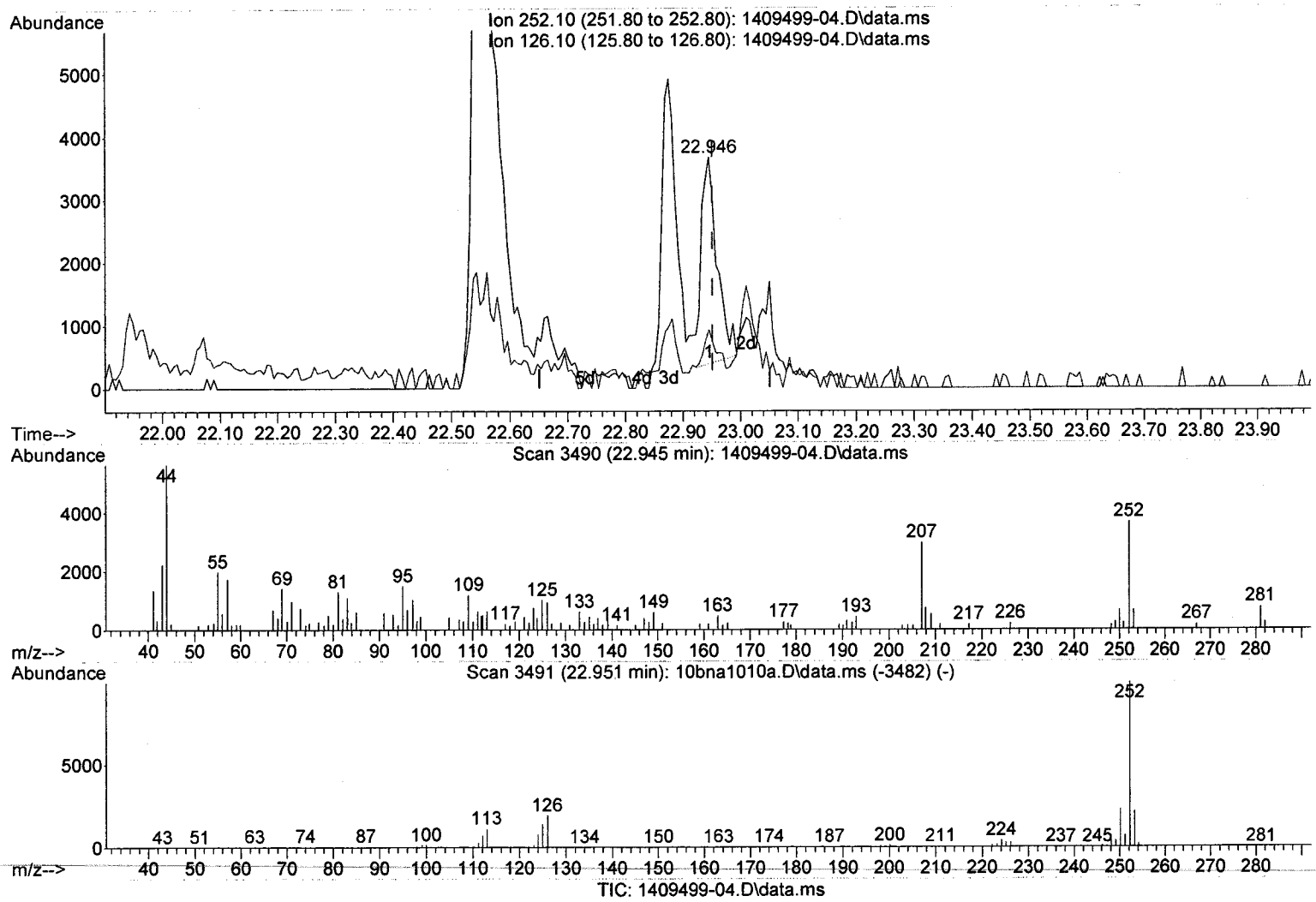
Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JWD Date: 10/15/14
Reviewed By: DWS Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1409499-04.D\data.ms

(92) Benzo(a)pyrene (C)

22.945min (-0.006) 0.13 ng/uL

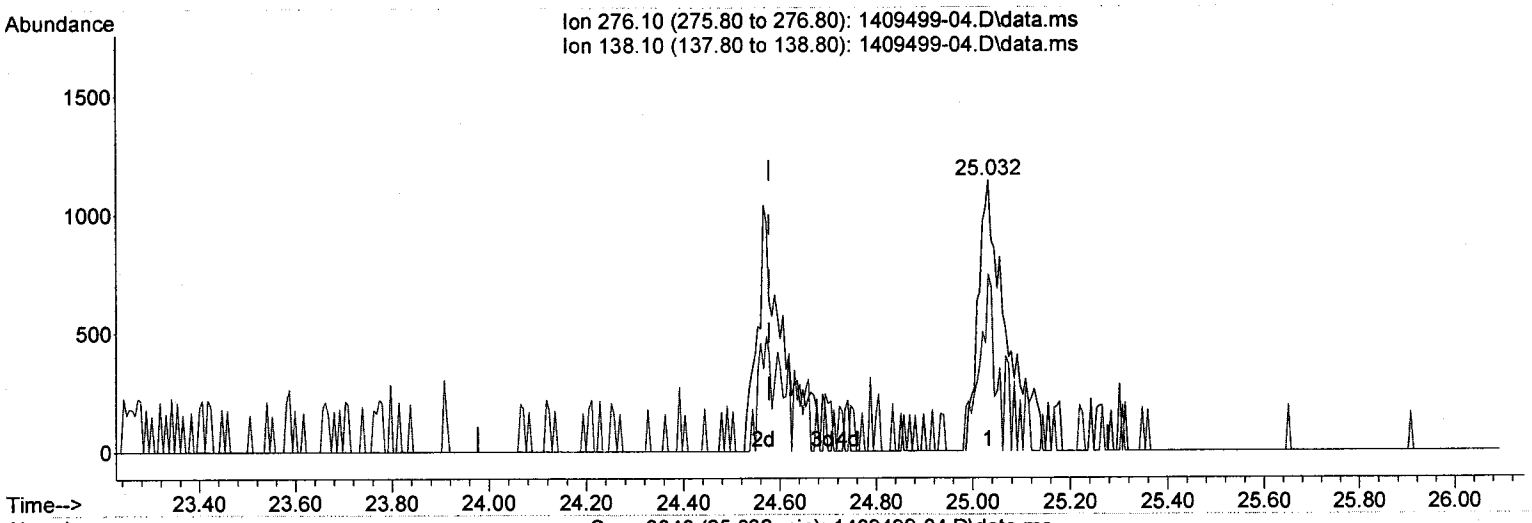
response 6332

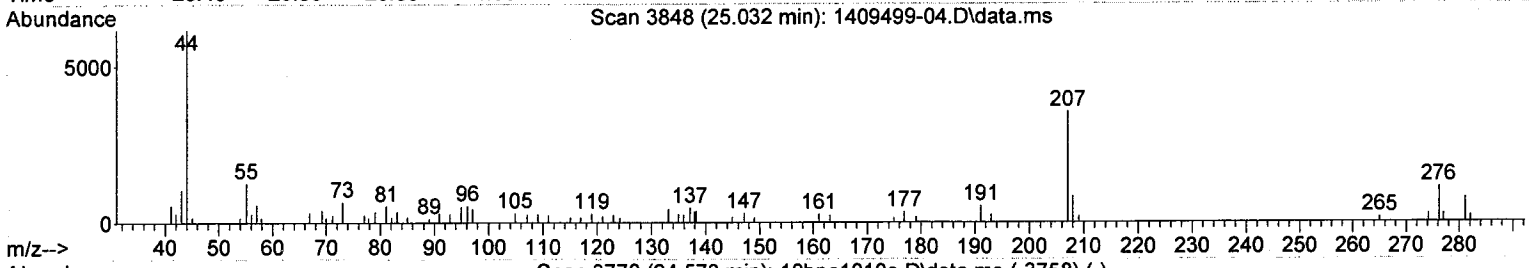
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	18.94
0.00	0.00	0.00
0.00	0.00	0.00

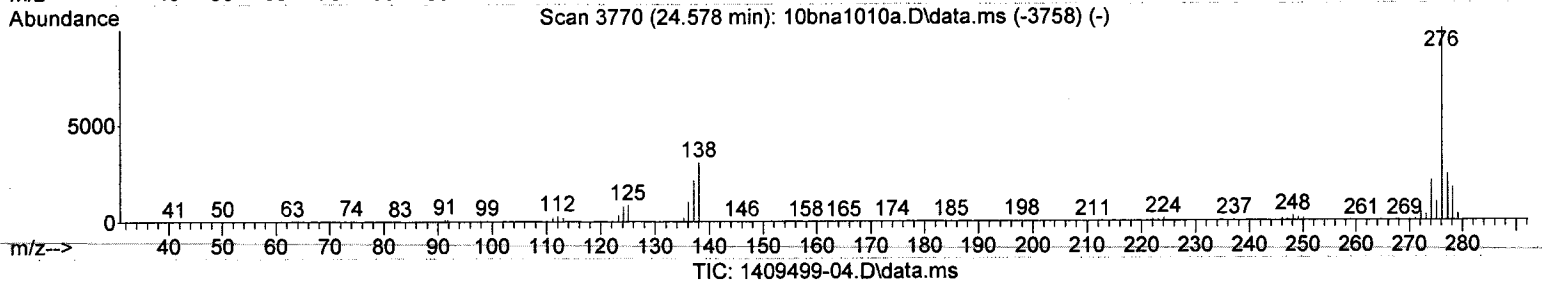
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1409499-04.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

25.032min (+ 0.455) 0.11 ng/uL

response 4468

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	36.35#
0.00	0.00	0.00
0.00	0.00	0.00

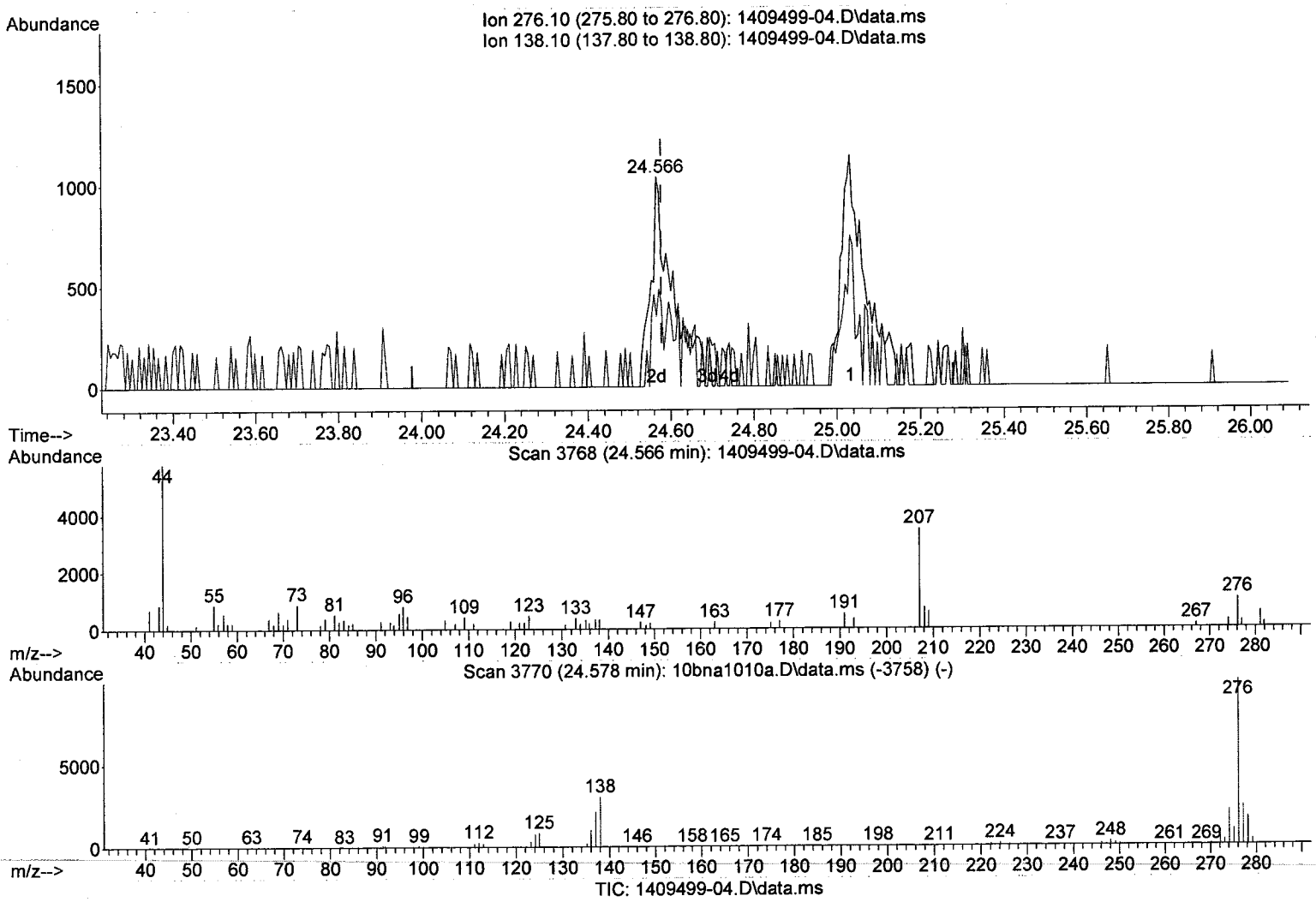
DWO 10-17-14

Jun 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(93) Indeno(1,2,3-cd)pyrene

24.566min (-0.012) 0.09 ng/uL m

response 3698

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	43.92#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: DW Date: 10/15/14

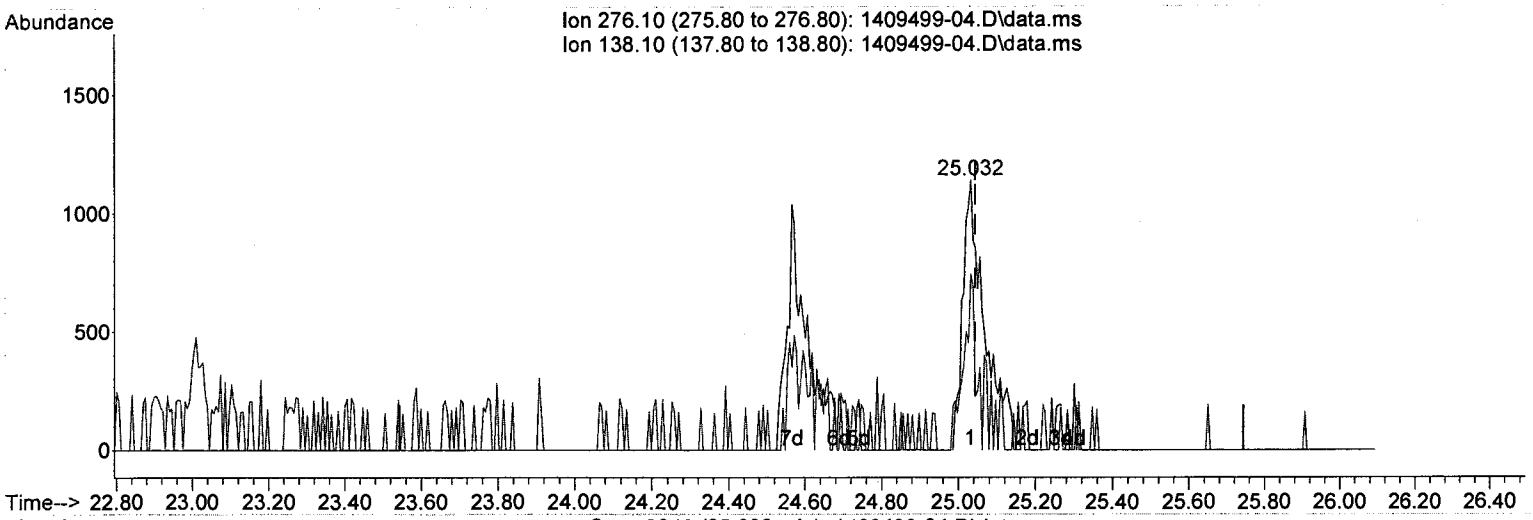
Reviewed By: DW Date: 10-17-14

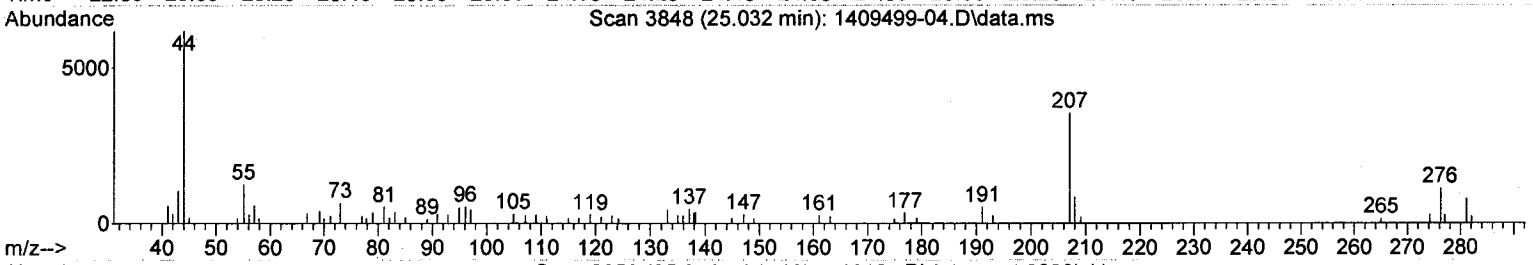
003041

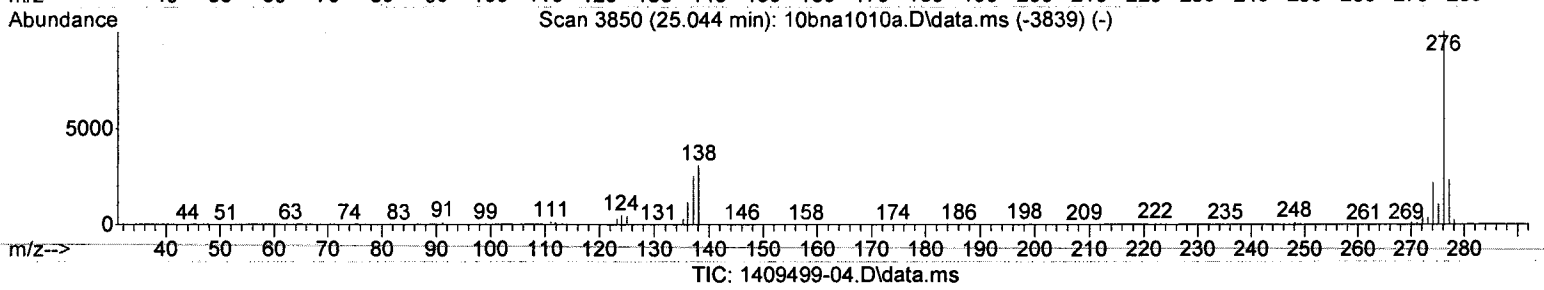
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-04.D
Acq On : 10 Oct 2014 21:41
Operator : JLB
Sample : 1409499-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 09:08:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1409499-04.D\data.ms

(95) Benzo(g,h,i)Perylene

25.032min (-0.012) 0.12 ng/uL

response 4468

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	36.35#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB32-17

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-04RE1 File ID: 1409499-04 2x.D

Sampled: 09/26/14 12:50 Prepared: 10/02/14 07:41 Analyzed: 10/14/14 17:52

Solids: 96.60 Preparation: 3550C Sonication Extract Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	2	35	9.6	35	35	U
208-96-8	Acenaphthylene	2	35	8.6	35	35	U
120-12-7	Anthracene	2	35	8.3	35	35	U
56-55-3	Benzo(a)anthracene	2	17	5.7	17	35	U
50-32-8	Benzo(a)pyrene	2	6.3	4.8	17	35	J
205-99-2	Benzo(b)fluoranthene	2	11	4.0	17	35	J
207-08-9	Benzo(k)fluoranthene	2	6.3	4.0	17	35	J
191-24-2	Benzo(g,h,i)perylene	2	4.2	3.9	17	69	J
65-85-0	Benzoic Acid	2	170	140	350	690	J
100-51-6	Benzyl Alcohol	2	35	9.5	35	35	U
101-55-3	4-Bromophenyl Phenyl Ether	2	35	8.4	35	35	U
85-68-7	Butyl Benzyl Phthalate	2	35	8.3	35	69	U
86-74-8	Carbazole	2	35	8.3	35	350	U
59-50-7	4-Chloro-3-methylphenol	2	35	10	35	35	U
106-47-8	4-Chloroaniline	2	35	18	35	140	U
111-91-1	Bis(2-chloroethoxy)methane	2	35	8.4	35	35	U
111-44-4	Bis(2-chloroethyl) Ether	2	35	8.2	35	35	U
108-60-1	Bis(2-chloroisopropyl) Ether	2	17	7.6	17	35	U
91-58-7	2-Chloronaphthalene	2	35	10	35	35	U
95-57-8	2-Chlorophenol	2	35	8.2	35	35	U
7005-72-3	4-Chlorophenyl Phenyl Ether	2	35	7.9	35	35	U
218-01-9	Chrysene	2	35	8.1	35	35	U
53-70-3	Dibenz(a,h)anthracene	2	17	4.0	17	69	U
132-64-9	Dibenzofuran	2	35	10	35	35	U
84-74-2	Di-n-butyl Phthalate	2	69	28	69	140	U
106-46-7	1,4-Dichlorobenzene	2	35	10	35	35	U
95-50-1	1,2-Dichlorobenzene	2	35	11	35	35	U
541-73-1	1,3-Dichlorobenzene	2	35	12	35	35	U
91-94-1	3,3′-Dichlorobenzidine	2	1400	580	1400	1700	U
120-83-2	2,4-Dichlorophenol	2	35	8.4	35	69	U
84-66-2	Diethyl Phthalate	2	35	10	35	35	U
105-67-9	2,4-Dimethylphenol	2	280	75	280	350	U
131-11-3	Dimethyl Phthalate	2	35	9.8	35	35	U
534-52-1	4,6-Dinitro-2-methylphenol	2	140	44	140	350	U
51-28-5	2,4-Dinitrophenol	2	350	120	350	350	U
606-20-2	2,6-Dinitrotoluene	2	17	8.3	17	35	U
121-14-2	2,4-Dinitrotoluene	2	17	6.8	17	69	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB32-17

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-04RE1 File ID: 1409499-04 2x.D

Sampled: 09/26/14 12:50 Prepared: 10/02/14 07:41 Analyzed: 10/14/14 17:52

Solids: 96.60 Preparation: 3550C Sonication Extract Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	2	35	8.0	35	35	U
122-66-7	1,2-Diphenylhydrazine	2	17	7.0	17	35	U
117-81-7	Bis(2-ethylhexyl) Phthalate	2	620	24	35	69	B
206-44-0	Fluoranthene	2	35	9.3	35	35	U
86-73-7	Fluorene	2	35	8.3	35	69	U
118-74-1	Hexachlorobenzene	2	35	9.8	35	35	U
87-68-3	Hexachlorobutadiene	2	35	9.5	35	35	U
67-72-1	Hexachloroethane	2	35	10	35	35	U
193-39-5	Indeno(1,2,3-cd)pyrene	2	17	5.5	17	69	U
78-59-1	Isophorone	2	35	8.0	35	35	U
91-57-6	2-Methylnaphthalene	2	35	9.4	35	35	U
108-39-4	3+4-Methylphenol	2	17	7.6	17	35	U
95-48-7	2-Methylphenol	2	17	7.3	17	35	U
91-20-3	Naphthalene	2	35	12	35	35	U
100-01-6	4-Nitroaniline	2	140	51	140	680	U
88-74-4	2-Nitroaniline	2	17	7.4	17	35	U
99-09-2	3-Nitroaniline	2	69	34	69	680	U
98-95-3	Nitrobenzene	2	35	9.5	35	35	U
88-75-5	2-Nitrophenol	2	35	9.3	35	35	U
100-02-7	4-Nitrophenol	2	690	210	690	1400	U
62-75-9	N-Nitroso-dimethylamine	2	14	6.9	14	69	U
86-30-6	N-Nitroso-diphenylamine	2	17	7.1	17	35	U
621-64-7	N-Nitroso-di-n-propylamine	2	35	8.4	35	35	U
87-86-5	Pentachlorophenol	2	35	27	35	350	U
85-01-8	Phenanthrene	2	35	8.4	35	35	U
108-95-2	Phenol	2	13	8.1	35	350	J
129-00-0	Pyrene	2	35	8.9	35	35	U
120-82-1	1,2,4-Trichlorobenzene	2	35	9.2	35	35	U
95-95-4	2,4,5-Trichlorophenol	2	35	9.3	35	35	U
88-06-2	2,4,6-Trichlorophenol	2	17	5.2	17	35	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	704	622	88	33 - 113	
Phenol-d6	704	634	90	30 - 115	
Nitrobenzene-d5	352	294	84	33 - 131	
2-Fluorobiphenyl	352	313	89	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB32-17

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-04RE1
File ID: 1409499-04 2x.D
Sampled: 09/26/14 12:50
Prepared: 10/02/14 07:41
Analyzed: 10/14/14 17:52
Solids: 96.60
Preparation: 3550C Sonication Extract
Initial/Final: 29.4 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	704	600	85	12 - 124	
o-Terphenyl	352	349	99	20 - 155	

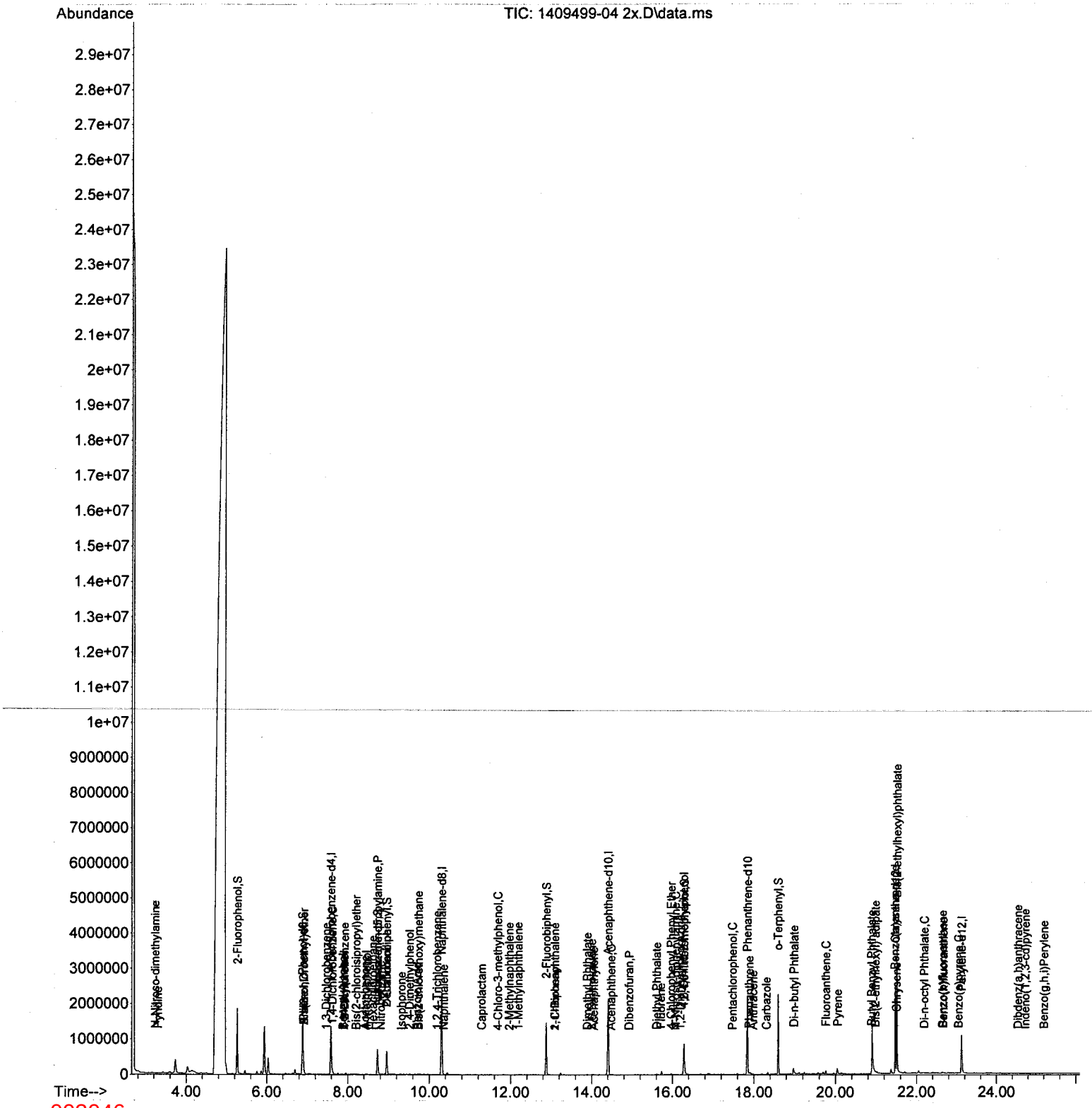
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	403465	7.585	403279	7.614	
Naphthalene-d8	1571199	10.307	1529030	10.359	
Acenaphthene-d10	881489	14.411	866604	14.474	
Phenanthrene-d10	1322219	17.838	1400442	17.901	
Chrysene-d12	923307	21.469	1153654	21.538	
Perylene-d12	595360	23.124	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:05:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:05:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.585	152	403465	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.307	136	1571199	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.411	164	881489	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.838	188	1322219	5.00	ng/uL	0.00
81) Chrysene-d12	21.469	240	923307	5.00	ng/uL	# 0.00
89) Perylene-d12	23.124	264	595360	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.266	112	813931	8.83	ng/uL	0.12
6) Phenol-d6	6.886	99	1074113	9.00	ng/uL	0.01
21) Nitrobenzene-d5	8.728	82	419542	4.18	ng/uL	-0.02
23) Decafluorobiphenyl	8.955	334	275874	3.92	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.878	172	808577	4.44	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.287	330	170832	8.52	ng/uL	-0.01
78) o-Terphenyl	18.601	230	561577	4.95	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.231	74	132	0.00	ng/uL#	55
3) Pyridine	3.295	79	186	0.00	ng/uL	96
5) Aniline	6.915	93	505	0.23	ng/uL#	1
7) Phenol	6.909	94	24409	0.18	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.915	93	325	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.463	146	821	0.01	ng/uL#	1
11) 1,4-Dichlorobenzene	7.614	146	340	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	7.923	146	527	0.00	ng/uL	88
13) Bis(2-chloroisipropyl)...	8.209	45	229	0.00	ng/uL#	51
14) Benzyl Alcohol	7.883	108	207	0.00	ng/uL#	1
15) 2-Methylphenol	7.906	108	156	0.00	ng/uL#	60
16) Acetophenone	8.425	105	1581	0.01	ng/uL#	58
17) Hexachloroethane	8.611	119	312	0.01	ng/uL#	3
18) 4-Methylphenol	8.460	108	60	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.728	70	55247	0.76	ng/uL#	6
22) Nitrobenzene	8.809	77	129	0.00	ng/uL#	30
24) Isophorone	9.316	82	878	0.00	ng/uL#	58
25) 2-Chloroaniline	8.955	127	3271	0.03	ng/uL#	60
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.520	107	508	0.01	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.736	93	432	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.701	105	1977m	2.48	ng/uL	
31) 1,2,4-Trichlorobenzene	10.191	180	432	0.00	ng/uL#	66
32) Naphthalene	10.354	128	1212	0.00	ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.		
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.281	55	7210	0.16	ng/uL#	31
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	11.689	107	135	0.00	ng/uL#	14
39) 2-Methylnaphthalene	11.968	142	1460	0.01	ng/uL#	89
40) 1-Methylnaphthalene	12.190	142	1948	0.01	ng/uL	95
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:05:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.093	162	195	0.00 ng/uL#	35
49) 1,1'-Biphenyl	13.093	154	876	0.00 ng/uL#	70
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.055	152	197	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.003	165	130	0.00 ng/uL#	1
53) Dimethyl Phthalate	13.892	163	6406	0.03 ng/uL	94
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.481	153	2171	0.01 ng/uL	89
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.929	168	54	0.00 ng/uL#	37
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.716	166	1506	0.01 ng/uL#	38
63) Diethyl Phthalate	15.606	149	6493	0.04 ng/uL	92
64) 4-Chlorophenyl Phenyl ...	15.967	204	682	0.01 ng/uL#	13
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	16.276	198	362	1.00 ng/uL#	1
68) N-Nitroso-diphenylamine	16.072	169	329	0.00 ng/uL#	40
69) 1,2-Diphenylhydrazine	16.194	182	681	0.01 ng/uL#	63
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.482	266	363	0.01 ng/uL#	1
75) Phenanthrene	17.885	178	16374	0.06 ng/uL	100
76) Anthracene	17.978	178	3134	0.01 ng/uL	99
77) Carbazole	18.304	167	2133	0.01 ng/uL#	96
79) Di-n-butyl Phthalate	18.986	149	15381	0.06 ng/uL	97
80) Fluoroanthene	19.761	202	28389	0.12 ng/uL	96
82) Pyrene	20.053	202	25574	0.12 ng/uL#	73
83) Butyl Benzyl Phthalate	20.886	149	2173m	0.03 ng/uL	
84) Bis(2-ethylhexyl) adipate	20.985	129	1704	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.463	228	12230	0.07 ng/uL#	55
86) Chrysene	21.498	228	17809	0.11 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.510	149	978636	8.84 ng/uL	91
88) Di-n-octyl Phthalate	22.186	149	17215	0.42 ng/uL#	87
90) Benzo(b)fluoroanthene	22.647	252	16930m	0.16 ng/uL	
91) Benzo(k)fluoranthene	22.670	252	11171m	0.09 ng/uL	
92) Benzo(a)pyrene	23.049	252	8975	0.09 ng/uL#	82
93) Indeno(1,2,3-cd)pyrene	24.727	276	5349	0.06 ng/uL	96
94) Dibdenz(a,h)anthracene	24.541	278	407	0.01 ng/uL	97
95) Benzo(g,h,i)Perylene	25.199	276	4301	0.06 ng/uL#	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x
Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 07:50:52 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration

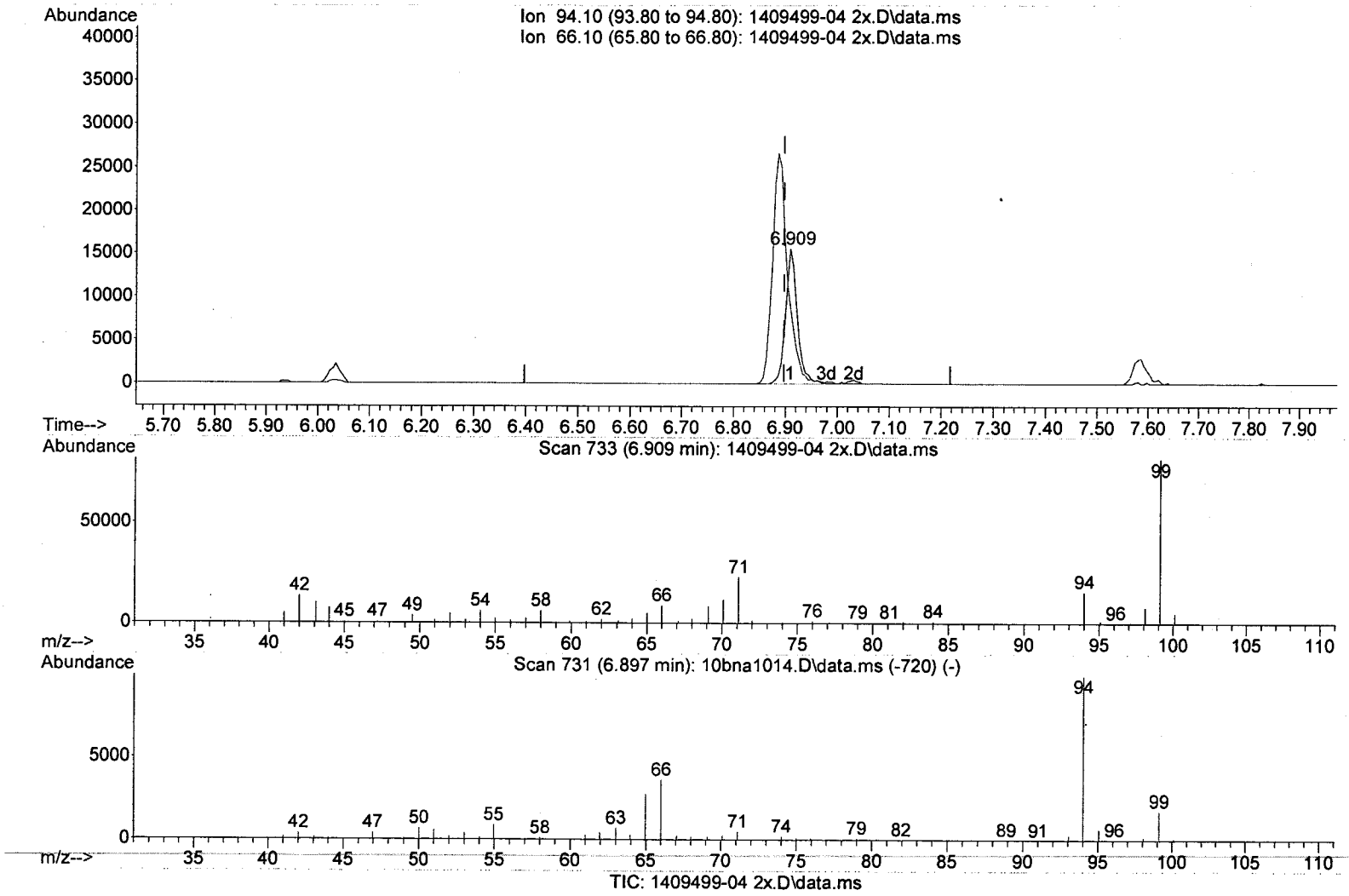
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.585	152	399567	5.00	ng/uL	# 0.02
8) Naphthalene-d8	10.307	136	1571199	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.411	164	880333	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.838	188	1322219	5.00	ng/uL	0.00
19) Chrysene-d12	21.469	240	923307	5.00	ng/uL	# 0.00
22) Perylene-d12	23.124	264	595360	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.231	74	132	0.00	ng/uL#	1
3) Pyridine	3.295	79	186	0.00	ng/uL	96
4) Aniline	6.915	93	505	0.00	ng/uL#	1
5) Benzaldehyde	6.752	105	3618	0.04	ng/uL#	29
6) Acetophenone	8.425	105	1581	0.01	ng/uL#	58
7) N-Nitroso-di-n-propyla...	8.442	70	172	0.00	ng/uL#	1
9) 4-Chloroaniline	0.000		0	N.D.		
10) Caprolactam	11.281	55	2548	0.15	ng/uL#	49
12) 1,1'-Biphenyl	13.093	154	876	0.00	ng/uL#	70
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	16.072	169	329	0.00	ng/uL#	40
18) Atrazine	0.000		0	N.D.		
20) Benzidine	0.000		0	N.D.		
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(7) Phenol (C)

6.909min (+ 0.012) 0.18 ng/uL

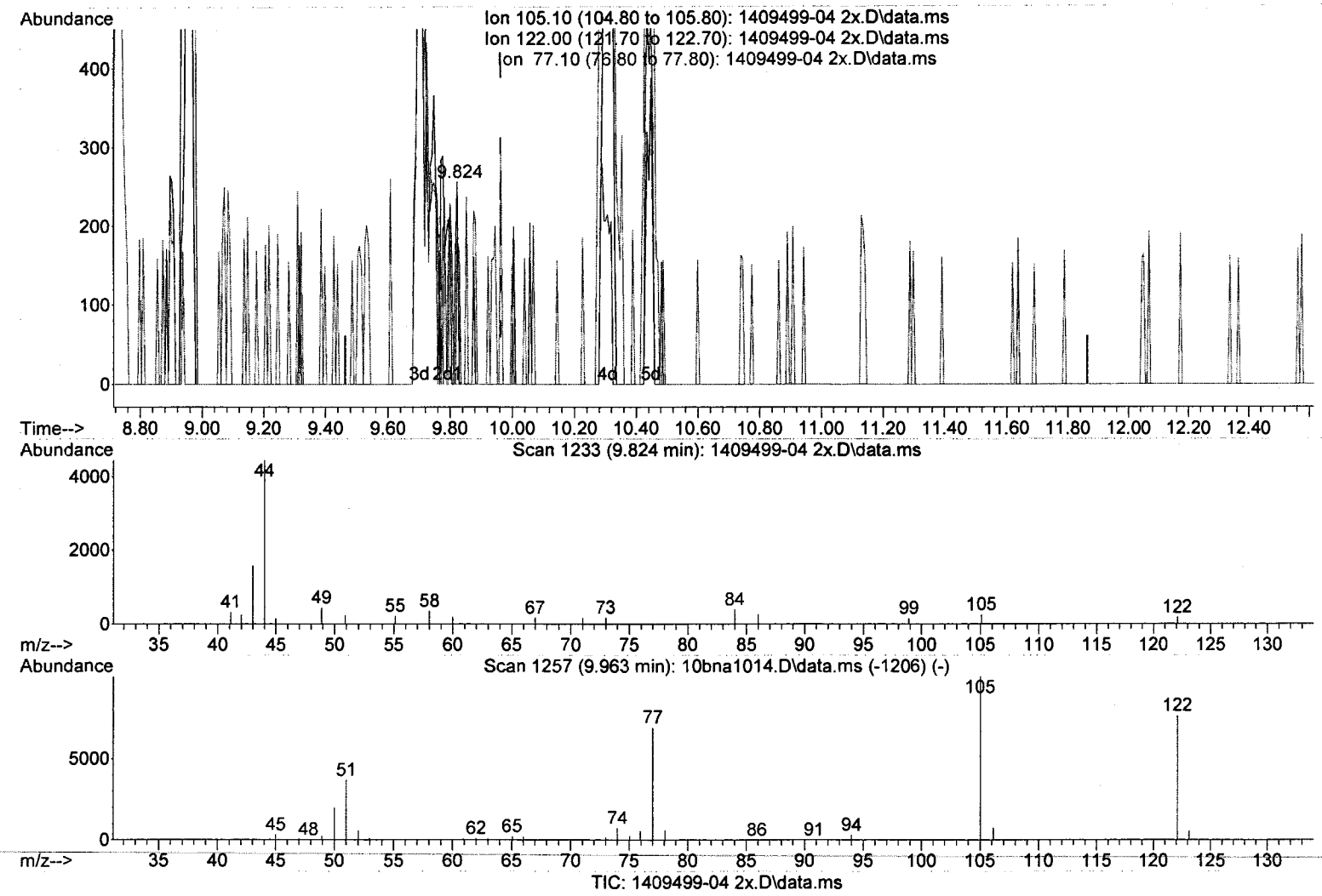
response 24409

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	221.59#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-04 2x.D\data.ms

(30) Benzoic Acid

9.824min (-0.140) 2.46 ng/uL

response 144

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	85.42
77.10	74.70	103.47#
0.00	0.00	0.00

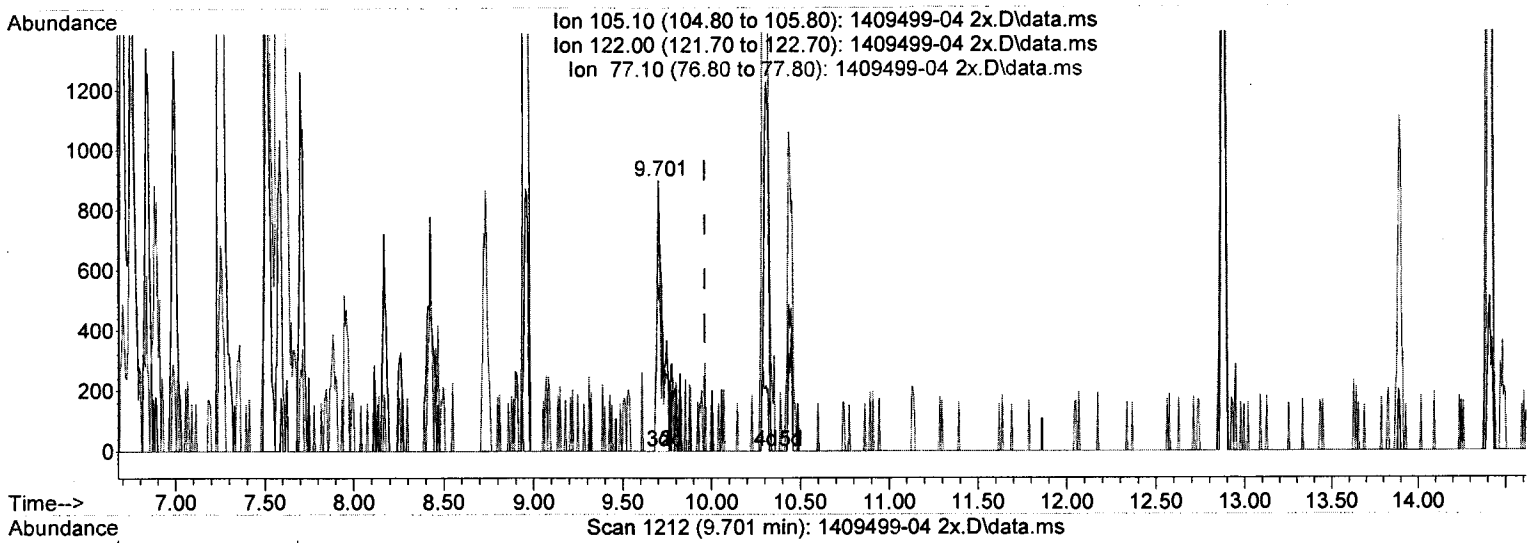
JW 10/15/14

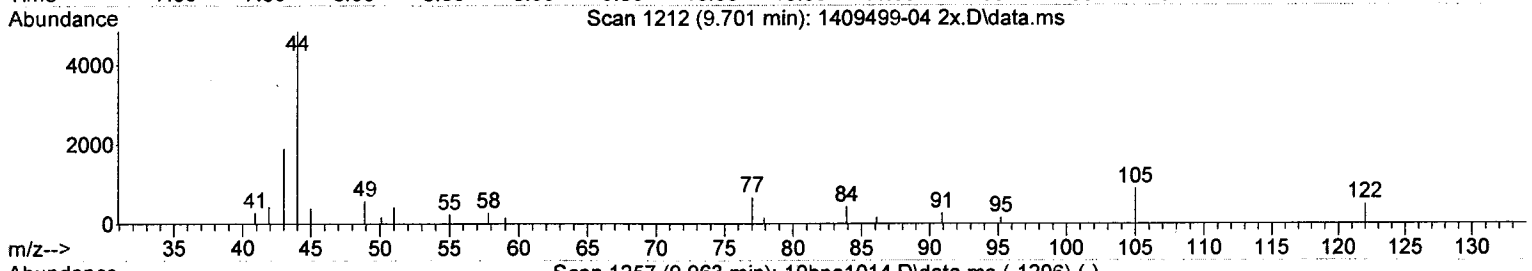
DWS 10-17-14

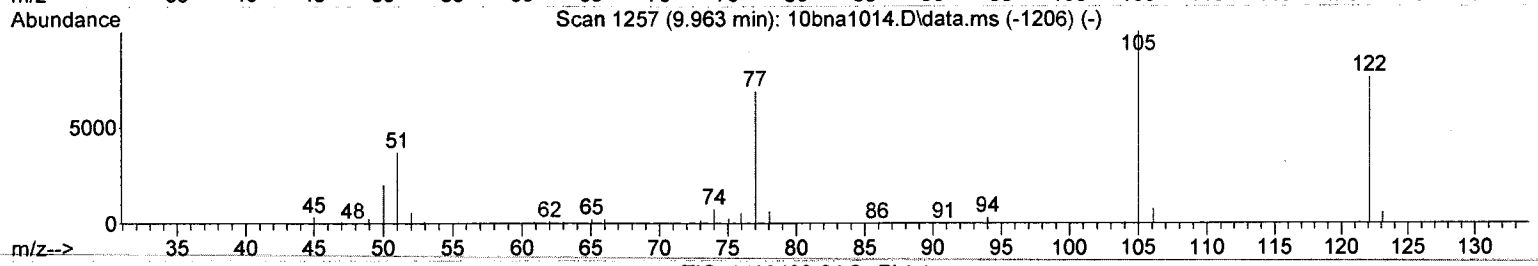
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1409499-04 2x.D\data.ms

(30) Benzoic Acid

9.701min (-0.262) 2.48 ng/uL m

response 1977

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	6.22#
77.10	74.70	7.54#
0.00	0.00	0.00

Manual Integration Explanation

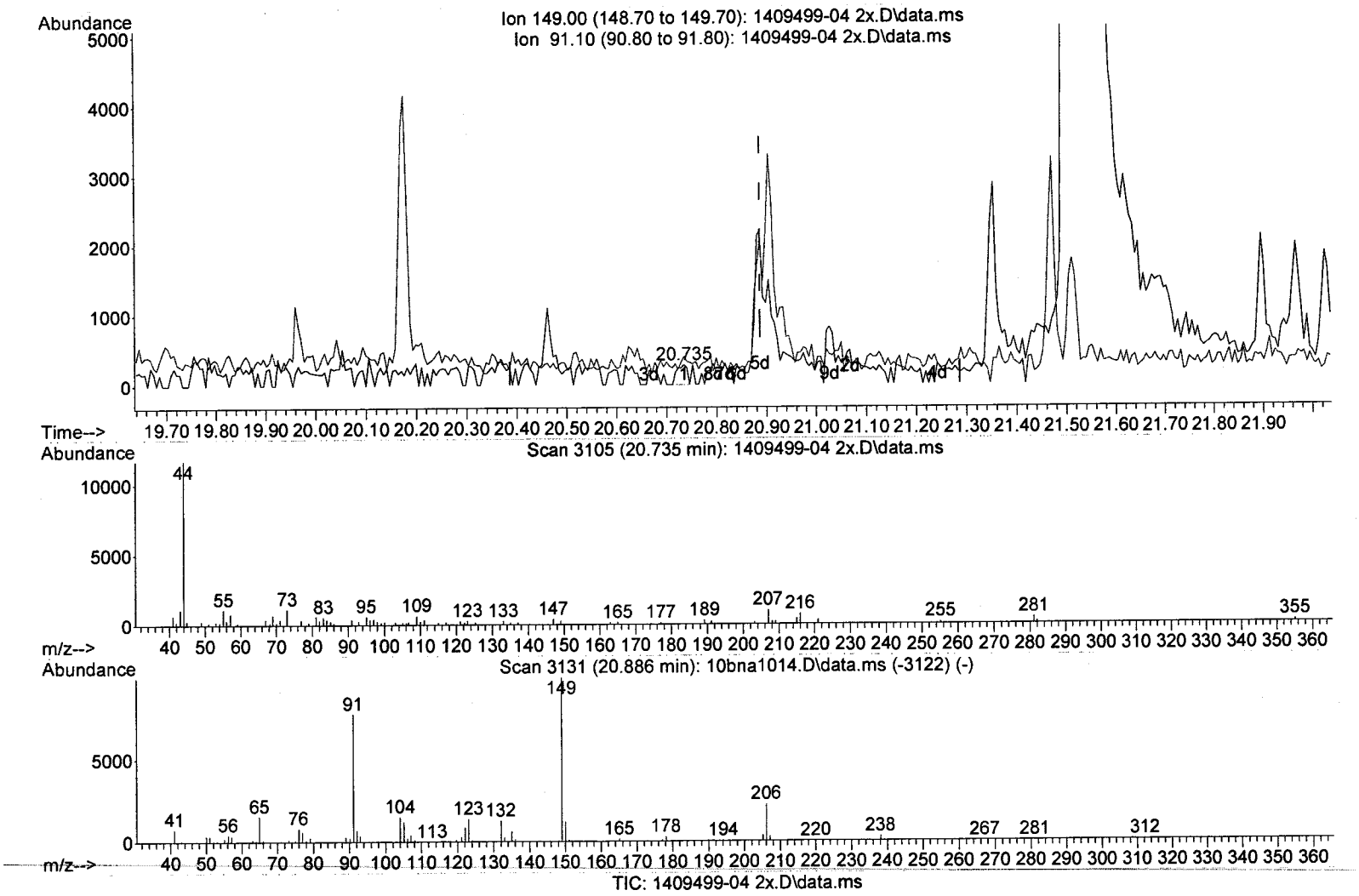
Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: DWR Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x
Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.735min (-0.151) 0.00 ng/uL

response 404

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	70.30
0.00	0.00	0.00
0.00	0.00	0.00

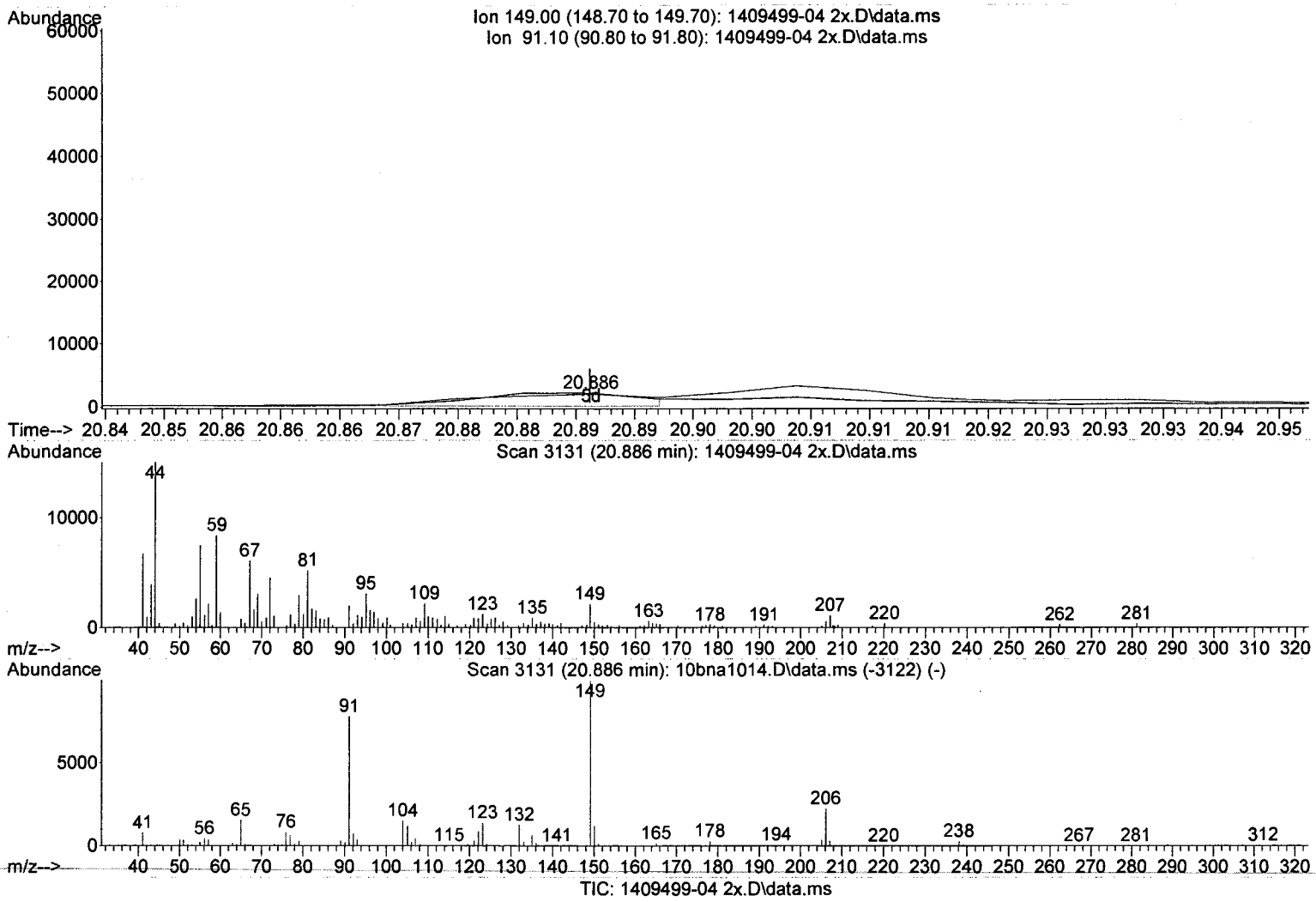
DWO 10-17-14

JWB 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-04 2x.D\data.ms

(83) Butyl Benzyl Phthalate

20.886min (+ 0.000) 0.03 ng/uL m

response 2173

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	13.07#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

Reviewed By: DW Date: 10-17-14

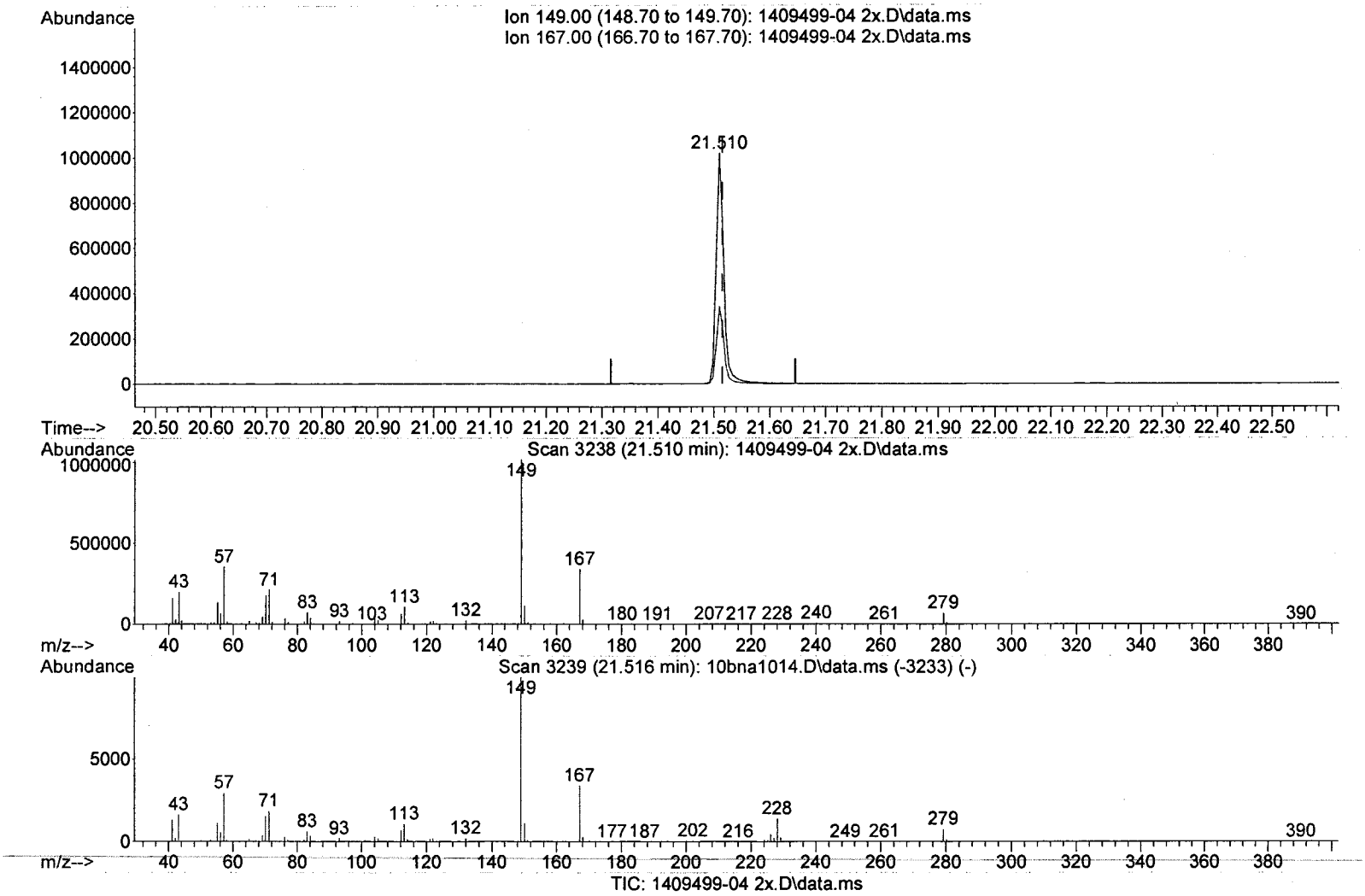
< MDL

003054

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-04 2x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.510min (-0.006) 8.84 ng/uL

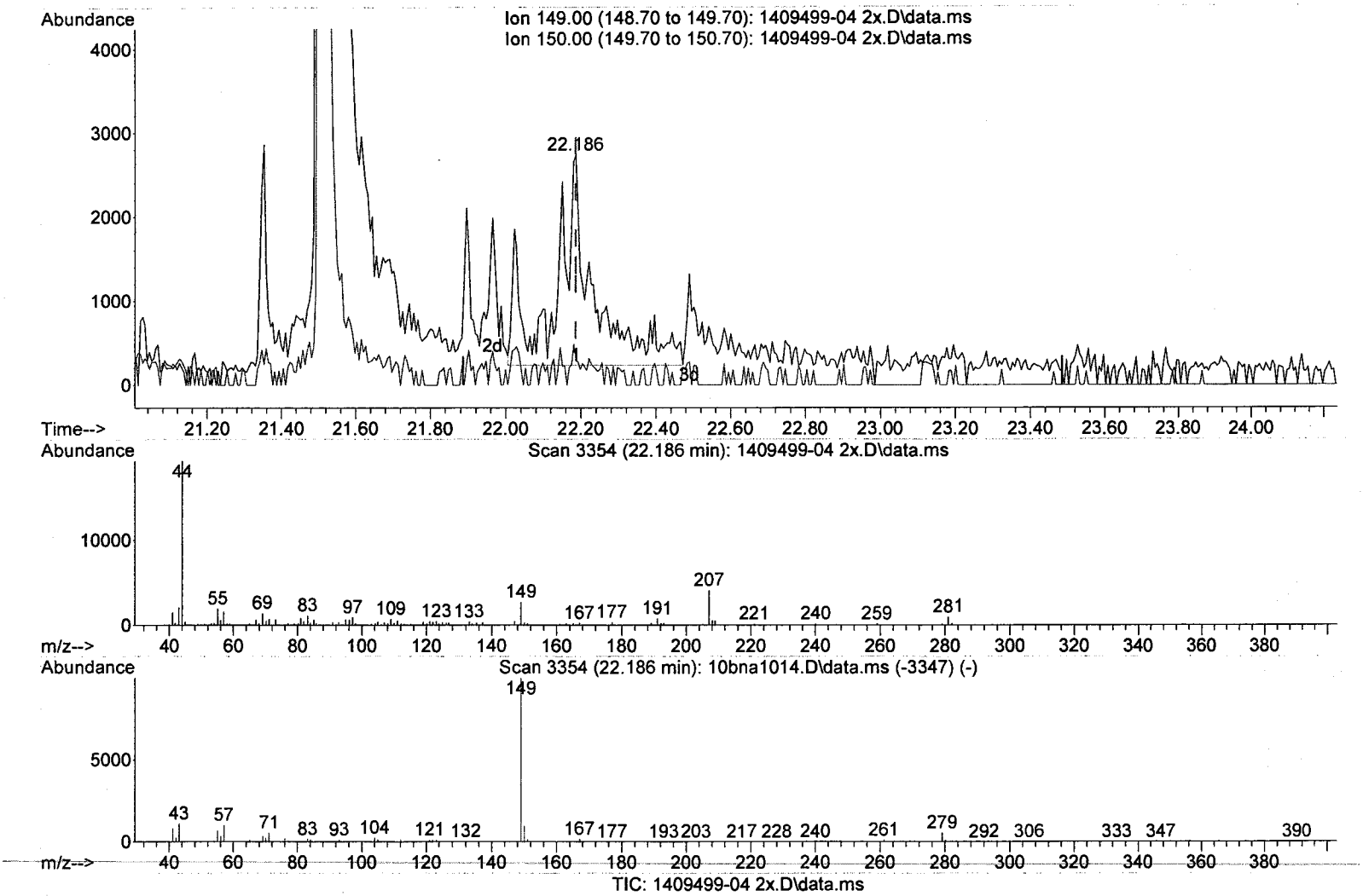
response 978636

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.186min (+ 0.000) 0.42 ng/uL

response 17215

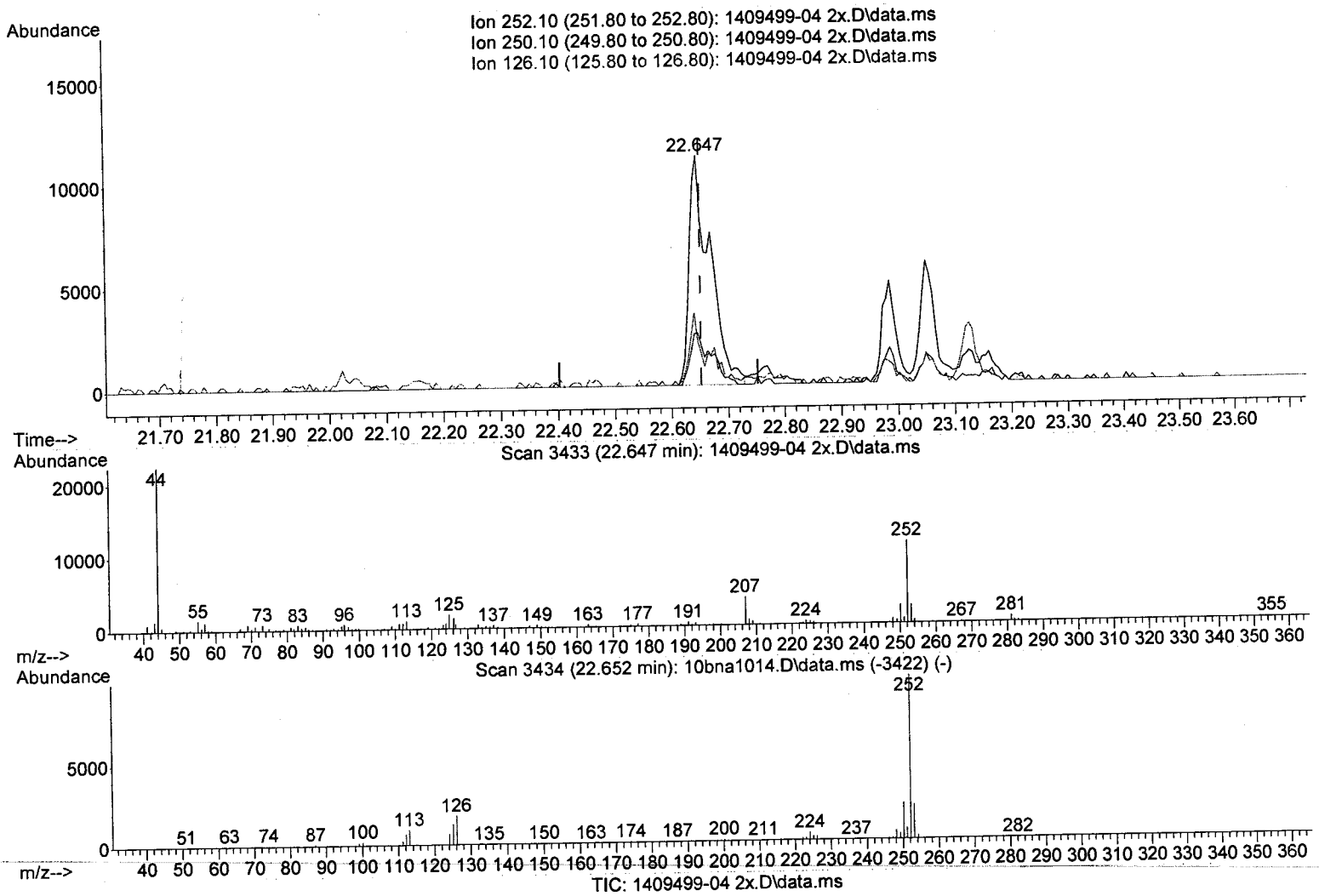
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	4.73#
0.00	0.00	0.00
0.00	0.00	0.00

PP

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x
Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.647min (-0.006) 0.26 ng/uL

response 28418

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	22.97
126.10	17.20	15.62
0.00	0.00	0.00

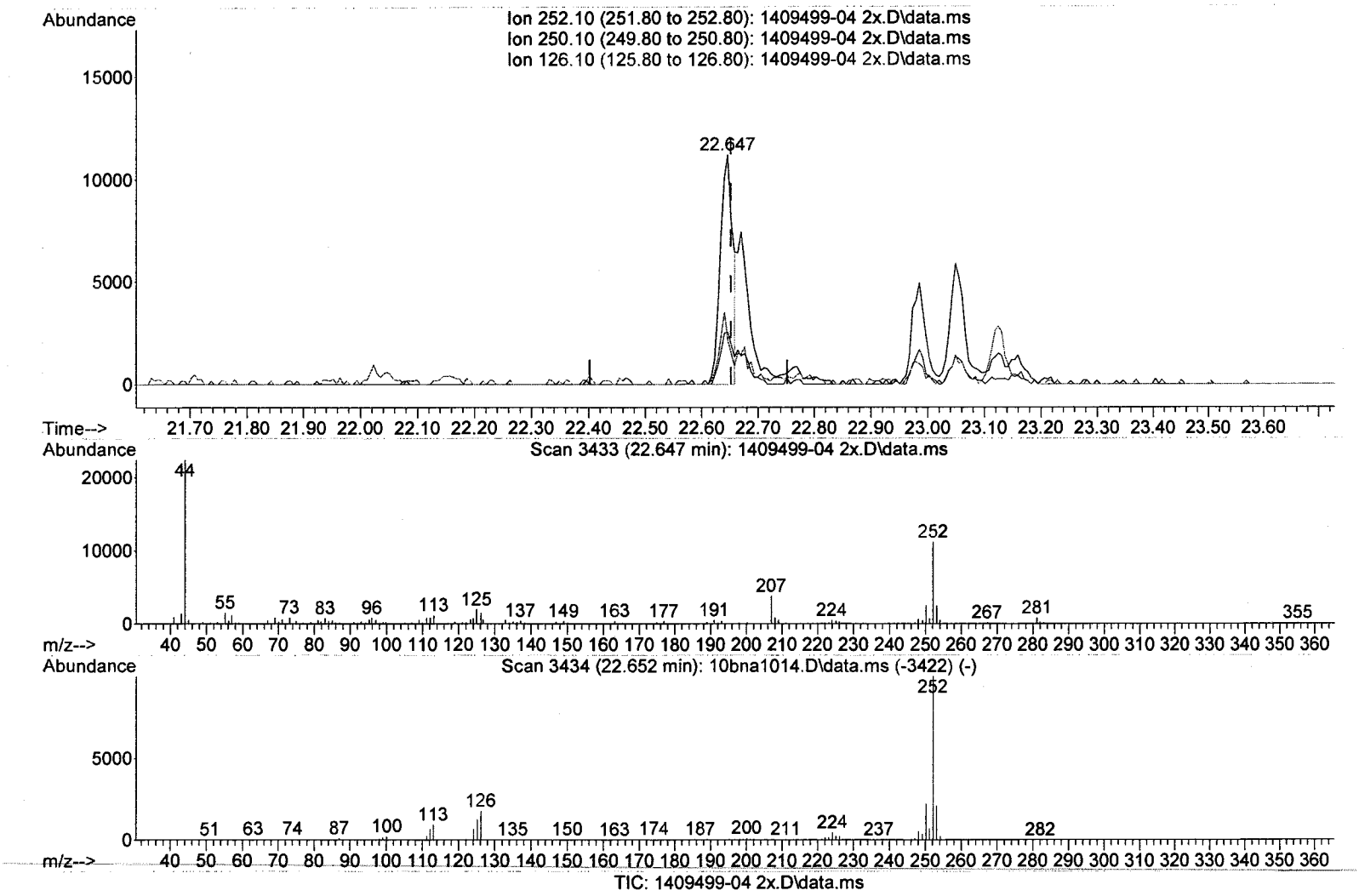
DWS 10-17-14

JLB 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-04 2x.D\data.ms

(90) Benzo(b)fluoroanthene

22.647min (-0.006) 0.16 ng/uL m

response 16930

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	38.56#
126.10	17.20	26.21#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

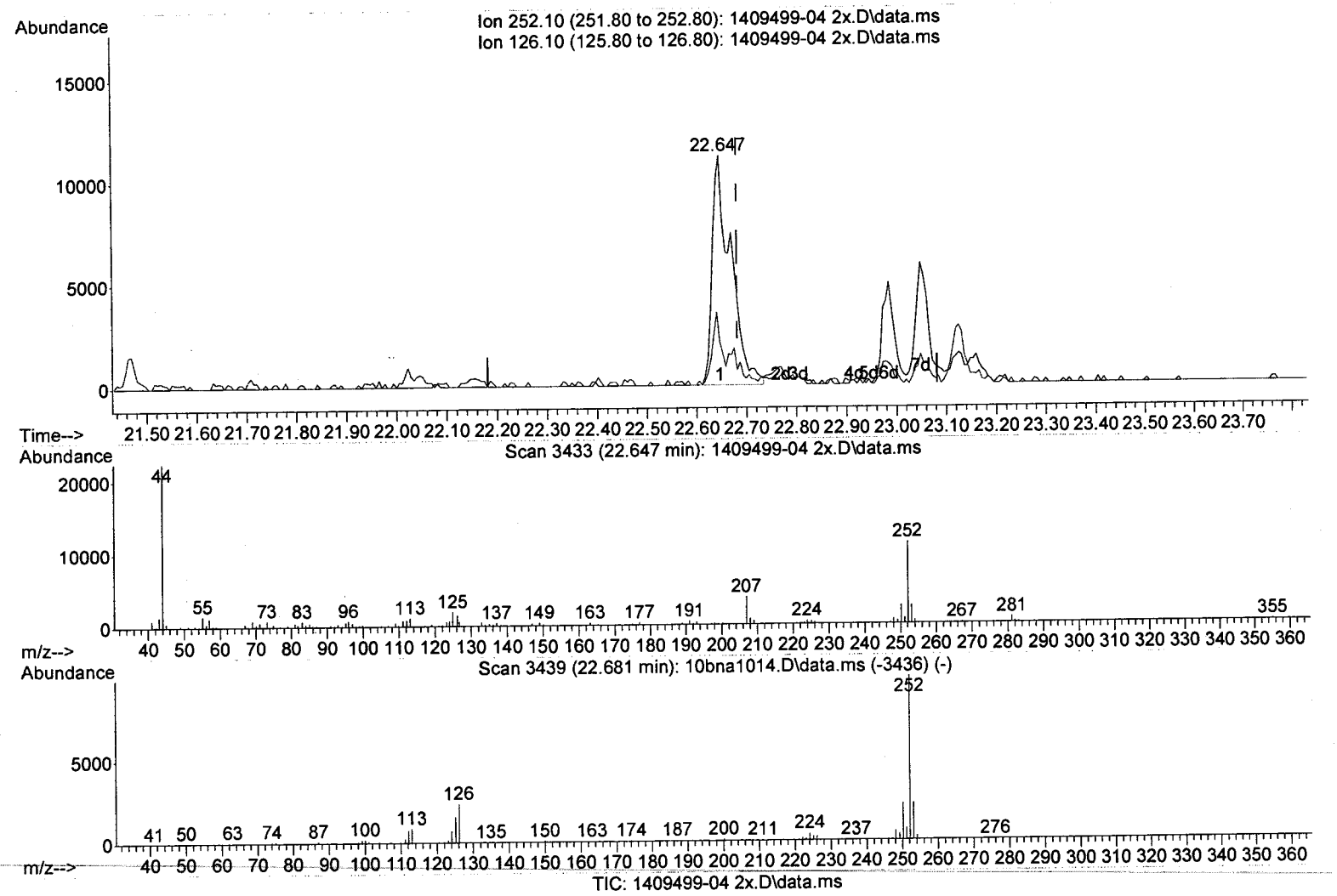
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: DW Date: 10-17-14

003058

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x
Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.647min (-0.035) 0.23 ng/uL

response 28546

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	15.55
0.00	0.00	0.00
0.00	0.00	0.00

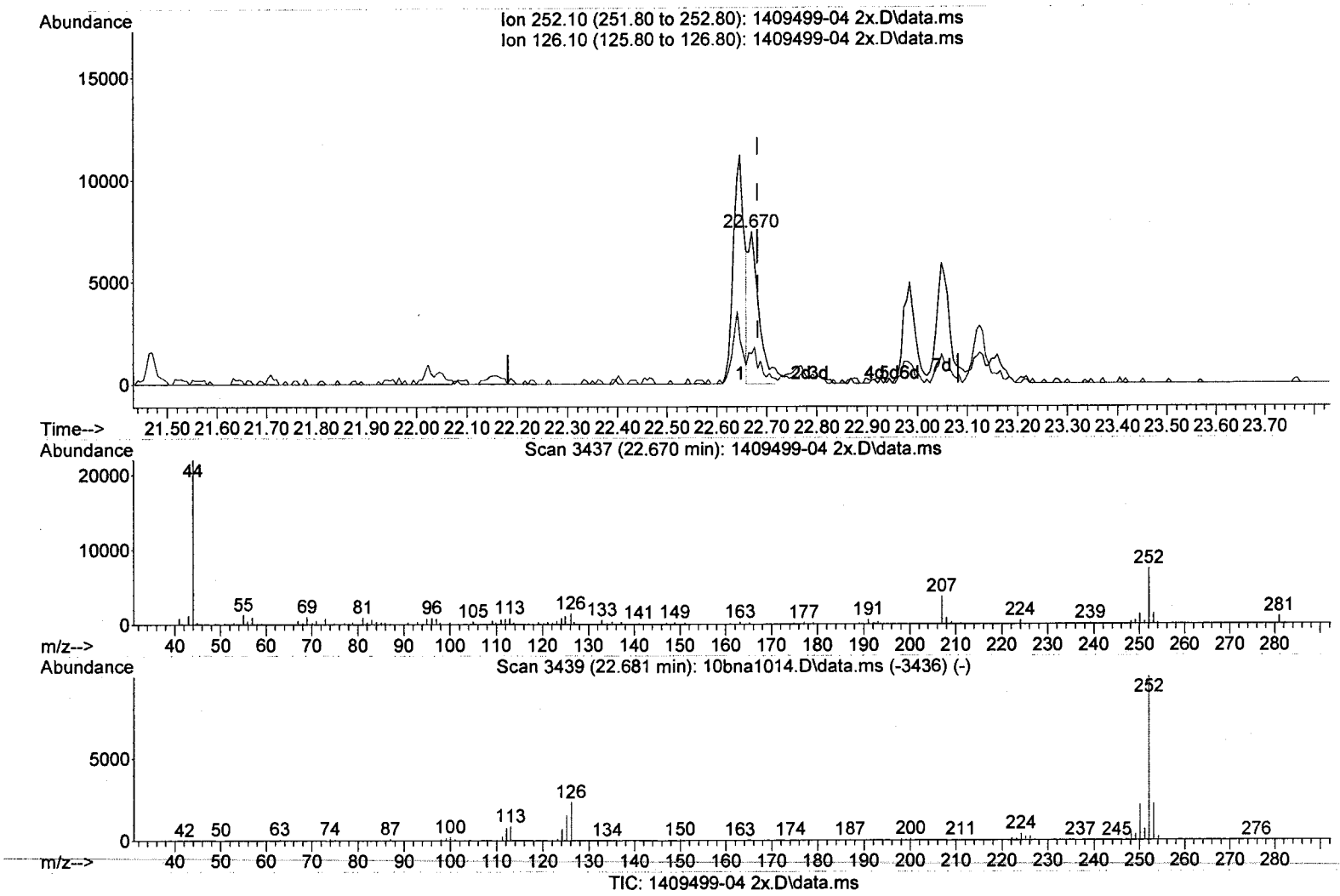
Dy 10/17/14

Jlb 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-04 2x.D\data.ms

(91) Benzo(k)fluoranthene

22.670min (-0.012) 0.09 ng/uL m

response 11171

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	39.73#
0.00	0.00	0.00
0.00	0.00	0.00

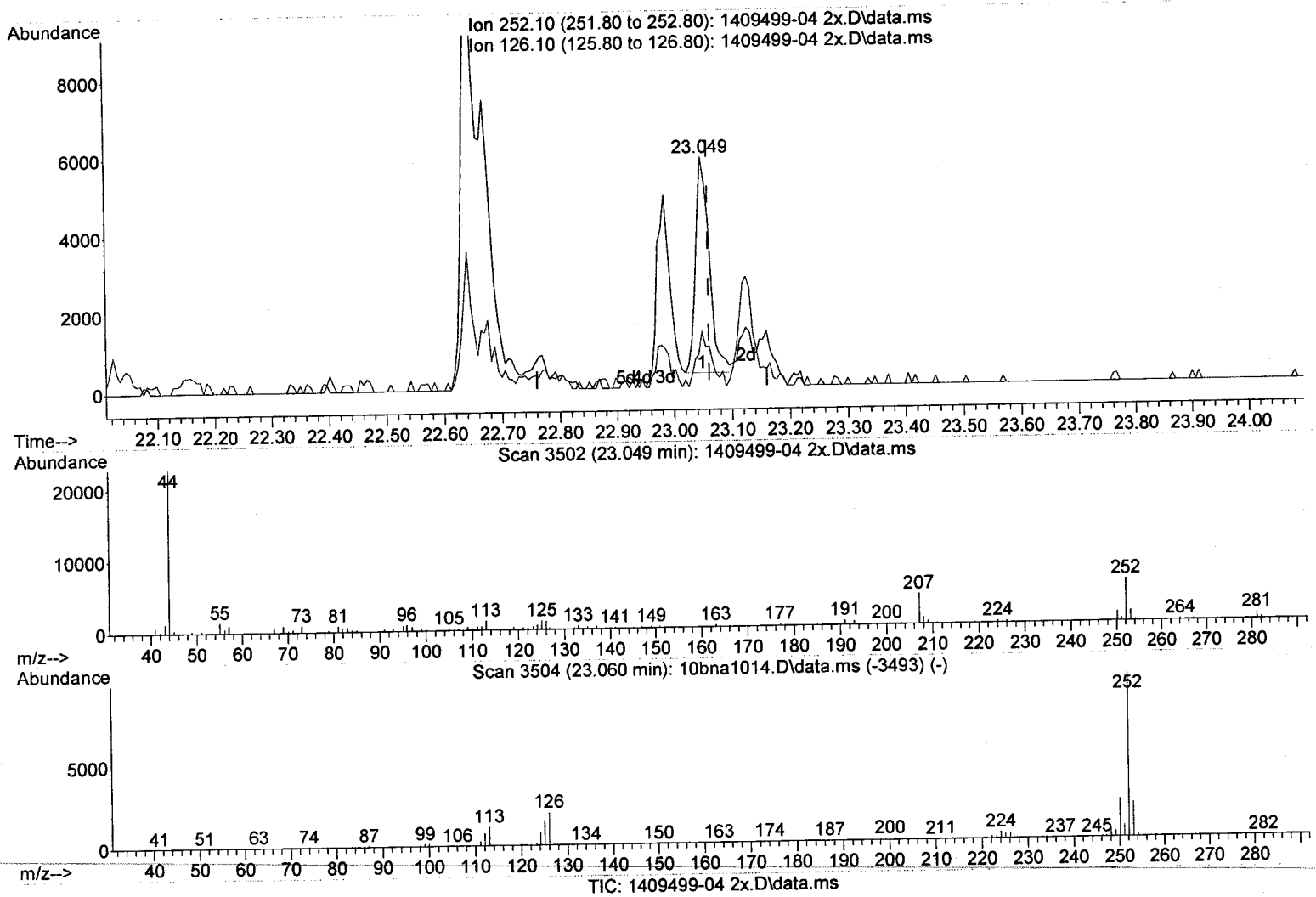
Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: DW Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x
ALS Vial : 15 Sample Multiplier: 1

Inst : 339

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

23.049min (-0.012) 0.09 ng/uL

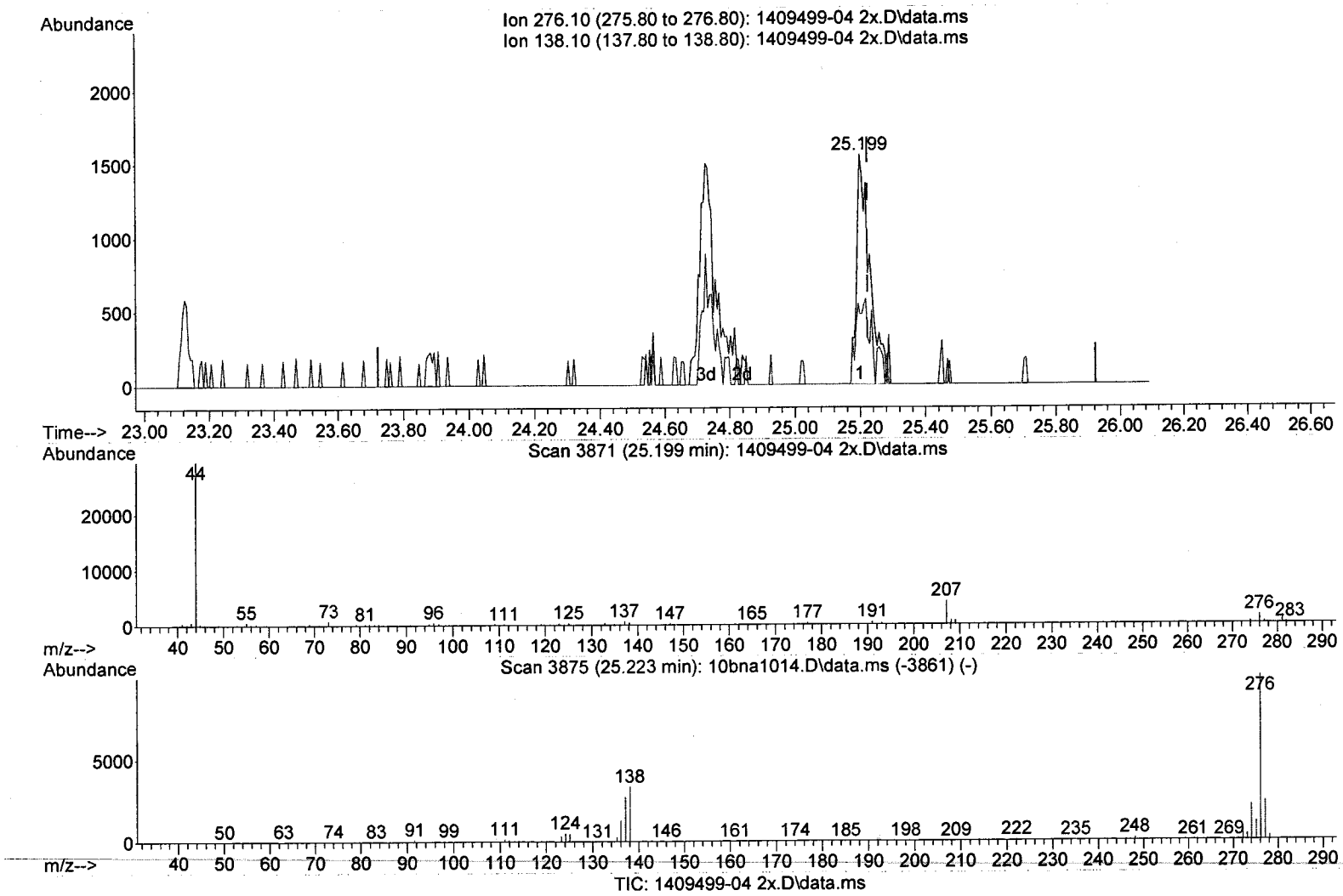
response 8975

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	27.73#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-04 2x.D
Acq On : 14 Oct 2014 17:52
Operator : JLB
Sample : 1409499-04 2x Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 08:03:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-04 2x.D\data.ms

(95) Benzo(g,h,i)Perylene

25.199min (-0.023) 0.06 ng/uL

response 4301

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	15.21#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB33-10

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-05 File ID: 1409499-05.D

Sampled: 09/26/14 13:00 Prepared: 10/02/14 07:41 Analyzed: 10/11/14 02:00

Solids: 90.49 Preparation: 3550C Sonication Extract Initial/Final: 30.3 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	18	5.1	18	18	U
208-96-8	Acenaphthylene	1	18	4.6	18	18	U
120-12-7	Anthracene	1	18	4.4	18	18	U
56-55-3	Benzo(a)anthracene	1	9.2	3.0	9.2	18	U
50-32-8	Benzo(a)pyrene	1	3.6	2.5	9.2	18	J
205-99-2	Benzo(b)fluoranthene	1	4.7	2.1	9.2	18	J
207-08-9	Benzo(k)fluoranthene	1	3.3	2.2	9.2	18	J
191-24-2	Benzo(g,h,i)perylene	1	3.6	2.1	9.2	37	J
65-85-0	Benzoic Acid	1	100	76	180	370	J
100-51-6	Benzyl Alcohol	1	12	5.1	18	18	J
101-55-3	4-Bromophenyl Phenyl Ether	1	18	4.5	18	18	U
85-68-7	Butyl Benzyl Phthalate	1	8.0	4.4	18	37	J
86-74-8	Carbazole	1	18	4.5	18	180	U
59-50-7	4-Chloro-3-methylphenol	1	18	5.5	18	18	U
106-47-8	4-Chloroaniline	1	18	9.8	18	74	U
111-91-1	Bis(2-chloroethoxy)methane	1	18	4.5	18	18	U
111-44-4	Bis(2-chloroethyl) Ether	1	18	4.4	18	18	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	9.2	4.1	9.2	18	U
91-58-7	2-Chloronaphthalene	1	18	5.4	18	18	U
95-57-8	2-Chlorophenol	1	18	4.4	18	18	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	18	4.2	18	18	U
218-01-9	Chrysene	1	18	4.3	18	18	U
53-70-3	Dibenz(a,h)anthracene	1	9.2	2.1	9.2	37	U
132-64-9	Dibenzofuran	1	18	5.4	18	18	U
84-74-2	Di-n-butyl Phthalate	1	37	15	37	74	U
106-46-7	1,4-Dichlorobenzene	1	18	5.3	18	18	U
95-50-1	1,2-Dichlorobenzene	1	18	6.0	18	18	U
541-73-1	1,3-Dichlorobenzene	1	18	6.3	18	18	U
91-94-1	3,3´-Dichlorobenzidine	1	740	310	740	920	U
120-83-2	2,4-Dichlorophenol	1	18	4.5	18	37	U
84-66-2	Diethyl Phthalate	1	18	5.3	18	18	U
105-67-9	2,4-Dimethylphenol	1	150	40	150	180	U
131-11-3	Dimethyl Phthalate	1	18	5.2	18	18	U
534-52-1	4,6-Dinitro-2-methylphenol	1	74	24	74	180	U
51-28-5	2,4-Dinitrophenol	1	180	62	180	180	U
606-20-2	2,6-Dinitrotoluene	1	9.2	4.4	9.2	18	U
121-14-2	2,4-Dinitrotoluene	1	9.2	3.6	9.2	37	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB33-10

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-05
File ID: 1409499-05.D
Sampled: 09/26/14 13:00
Prepared: 10/02/14 07:41
Analyzed: 10/11/14 02:00
Solids: 90.49
Preparation: 3550C Sonication Extract
Initial/Final: 30.3 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	18	4.3	18	18	U
122-66-7	1,2-Diphenylhydrazine	1	9.2	3.7	9.2	18	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	230	13	18	37	B
206-44-0	Fluoranthene	1	18	4.9	18	18	U
86-73-7	Fluorene	1	18	4.5	18	37	U
118-74-1	Hexachlorobenzene	1	18	5.2	18	18	U
87-68-3	Hexachlorobutadiene	1	18	5.1	18	18	U
67-72-1	Hexachloroethane	1	18	5.5	18	18	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	3.3	3.0	9.2	37	J
78-59-1	Isophorone	1	18	4.3	18	18	U
91-57-6	2-Methylnaphthalene	1	18	5.0	18	18	U
108-39-4	3+4-Methylphenol	1	9.2	4.1	9.2	18	U
95-48-7	2-Methylphenol	1	9.2	3.9	9.2	18	U
91-20-3	Naphthalene	1	18	6.2	18	18	U
100-01-6	4-Nitroaniline	1	74	27	74	360	U
88-74-4	2-Nitroaniline	1	9.2	4.0	9.2	18	U
99-09-2	3-Nitroaniline	1	37	18	37	360	U
98-95-3	Nitrobenzene	1	18	5.1	18	18	U
88-75-5	2-Nitrophenol	1	18	4.9	18	18	U
100-02-7	4-Nitrophenol	1	370	110	370	740	U
62-75-9	N-Nitroso-dimethylamine	1	7.4	3.7	7.4	37	U
86-30-6	N-Nitroso-diphenylamine	1	9.2	3.8	9.2	18	U
621-64-7	N-Nitroso-di-n-propylamine	1	18	4.5	18	18	U
87-86-5	Pentachlorophenol	1	18	15	18	180	U
85-01-8	Phenanthrene	1	18	4.5	18	18	U
108-95-2	Phenol	1	50	4.3	18	180	J
129-00-0	Pyrene	1	6.9	4.8	18	18	J
120-82-1	1,2,4-Trichlorobenzene	1	18	4.9	18	18	U
95-95-4	2,4,5-Trichlorophenol	1	18	5.0	18	18	U
88-06-2	2,4,6-Trichlorophenol	1	9.2	2.8	9.2	18	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	729	662	91	33 - 113	
Phenol-d6	729	700	96	30 - 115	
Nitrobenzene-d5	365	363	99	33 - 131	
2-Fluorobiphenyl	365	380	104	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB33-10

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-05
File ID: 1409499-05.D
Sampled: 09/26/14 13:00
Prepared: 10/02/14 07:41
Analyzed: 10/11/14 02:00
Solids: 90.49
Preparation: 3550C Sonication Extract
Initial/Final: 30.3 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	729	692	95	12 - 124	
o-Terphenyl	365	394	108	20 - 155	

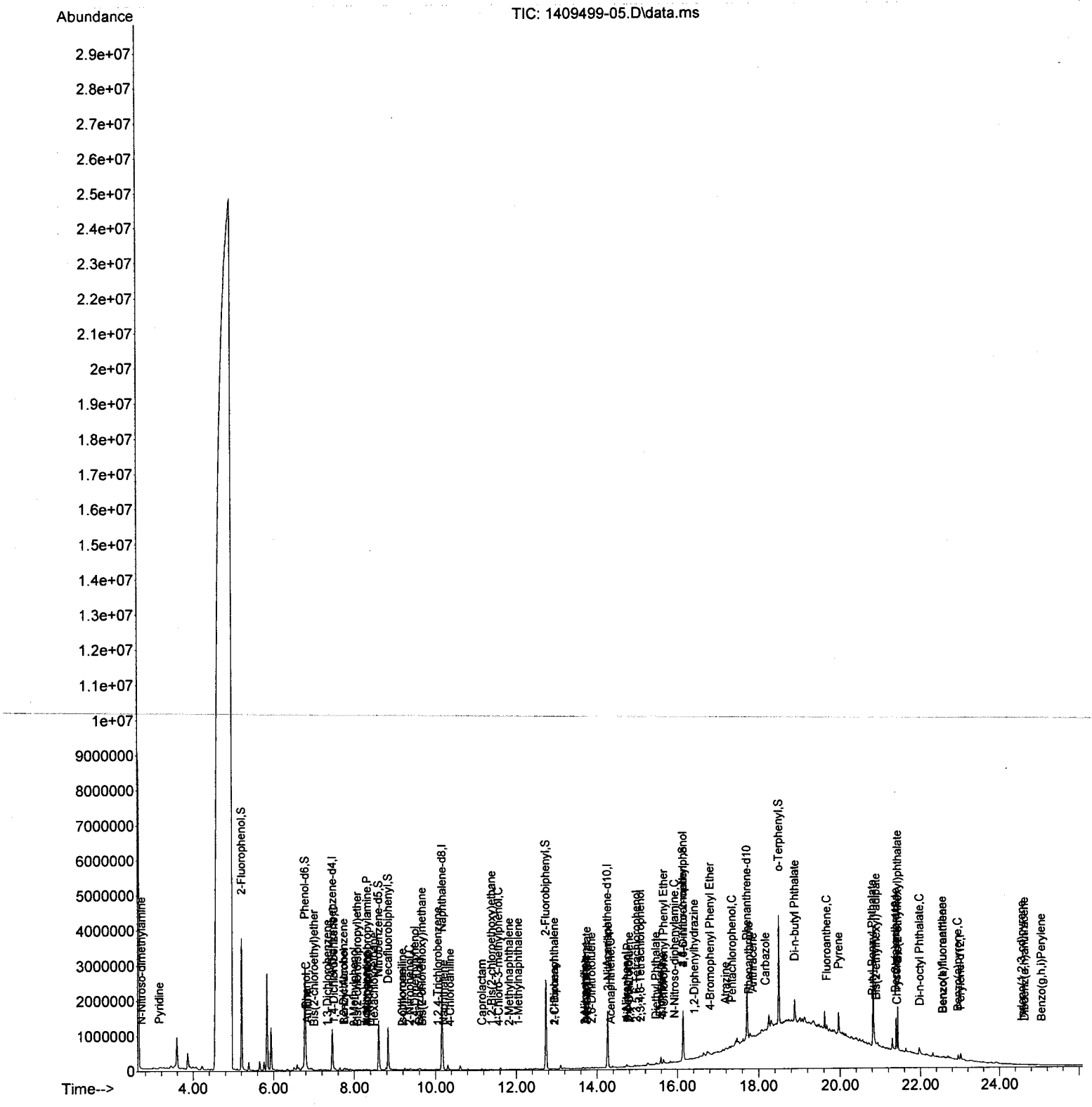
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	369836	7.459	403279	7.614	
Naphthalene-d8	1388512	10.169	1529030	10.359	
Acenaphthene-d10	730536	14.267	866604	14.474	
Phenanthrene-d10	943821	17.723	1400442	17.901	
Chrysene-d12	419650	21.395	1153654	21.538	*
Perylene-d12	118513	23.015	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:25:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:25:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	369836	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.169	136	1388512	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.267	164	730536	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.723	188	943821	5.00	ng/uL	0.00
81) Chrysene-d12	21.395	240	419650 low	5.00	ng/uL	# 0.00
89) Perylene-d12	23.015	264	118513 low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.209	112	1532804	18.14	ng/uL	0.20
6) Phenol-d6	6.788	99	2097899	19.18	ng/uL	0.05
21) Nitrobenzene-d5	8.601	82	882255	9.94	ng/uL	0.00
23) Decafluorobiphenyl	8.834	334	541942	8.71	ng/uL	0.00
47) 2-Fluorobiphenyl	12.739	172	1570819	10.41	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.149	330	271497	18.96	ng/uL	0.00
78) o-Terphenyl	18.504	230	872748	10.79	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.708	74	619	0.01	ng/uL	87
3) Pyridine	3.151	79	3483	0.04	ng/uL	92
5) Aniline	6.841	93	45152	0.71	ng/uL#	1
7) Phenol	6.812	94	169434	1.36	ng/uL#	59
8) Bis(2-chloroethyl)ether	7.010	93	426	0.00	ng/uL	94
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.336	146	2551	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.494	146	1403	0.01	ng/uL#	50
12) 1,2-Dichlorobenzene	7.744	146	533	0.01	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.082	45	560	0.00	ng/uL#	82
14) Benzyl Alcohol	7.756	108	20279	0.32	ng/uL	95
15) 2-Methylphenol	8.001	108	111	0.00	ng/uL#	1
16) Acetophenone	8.298	105	7762	0.06	ng/uL#	84
17) Hexachloroethane	8.485	119	950	0.02	ng/uL#	3
18) 4-Methylphenol	8.333	108	688	0.01	ng/uL#	70
19) N-Nitroso-di-n-propyla...	8.321	70	1683	0.03	ng/uL#	1
22) Nitrobenzene	8.601	77	4136	0.04	ng/uL#	1
24) Isophorone	9.184	82	2387	0.01	ng/uL	100
25) 2-Chloroaniline	9.190	127	111	0.00	ng/uL#	1
26) 2-Nitrophenol	9.365	139	80	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.493	107	180	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.668	93	110	0.00	ng/uL	92
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.610	105	25616	2.79	ng/uL	98
31) 1,2,4-Trichlorobenzene	10.064	180	1557	0.02	ng/uL	98
32) Naphthalene	10.210	128	3738	0.01	ng/uL#	1
33) 4-Chloroaniline	10.367	127	705	0.01	ng/uL#	66
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.160	55	15696	0.39	ng/uL#	40
37) 1,2-Bis(2-chloroethoxy...	11.399	63	122	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.568	107	660	0.01	ng/uL#	26
39) 2-Methylnaphthalene	11.824	142	2874	0.02	ng/uL#	86
40) 1-Methylnaphthalene	12.052	142	1970	0.01	ng/uL#	84
41) 1,3 Dinitrobenzene	13.929	168	55	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:25:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	12.949	162	473	0.00	ng/uL#	1
49) 1,1'-Biphenyl	12.949	154	1136	0.01	ng/uL#	67
50) 2-Nitroaniline	13.707	138	675	0.01	ng/uL	91
51) Acenaphthylene	13.730	152	234	0.00	ng/uL	94
52) 2,6-Dinitrotoluene	13.876	165	2254	0.06	ng/uL#	39
53) Dimethyl Phthalate	13.759	163	18055	0.11	ng/uL	96
54) 3-Nitroaniline	14.278	138	1997	0.06	ng/uL#	1
55) Acenaphthene	14.342	153	2196	0.01	ng/uL#	79
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.762	168	842	0.00	ng/uL#	56
58) 4-Nitrophenol	14.733	65	1571	0.05	ng/uL	91
59) 2,4-Dinitrotoluene	14.797	165	194	0.00	ng/uL#	1
60) 2,3,5,6-Tetrachlorophenol	14.983	232	209	0.01	ng/uL#	1
61) 2,3,4,6-Tetrachlorophenol	15.088	232	409	0.01	ng/uL#	36
62) Fluorene	15.578	166	1284	0.01	ng/uL#	1
63) Diethyl Phthalate	15.467	149	16526	0.11	ng/uL#	87
64) 4-Chlorophenyl Phenyl ...	15.665	204	323	0.00	ng/uL#	1
65) 4-Nitroaniline	15.625	138	4004	0.17	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.149	198	906	~~1.02~~	ng/uL#	1
68) N-Nitroso-diphenylamine	15.939	169	1223	0.01	ng/uL#	88
69) 1,2-Diphenylhydrazine	16.429	182	266	0.01	ng/uL	97
71) 4-Bromophenyl Phenyl E...	16.814	248	554	0.02	ng/uL#	2
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.193	200	298	0.01	ng/uL	88
74) Pentachlorophenol	17.356	266	69	0.00	ng/uL#	25
75) Phenanthrene	17.764	178	13287	0.07	ng/uL#	45
76) Anthracene	17.863	178	3892	0.02	ng/uL#	80
77) Carbazole	18.172	167	1113	0.01	ng/uL#	1
79) Di-n-butyl Phthalate	18.895	149	29990	0.17	ng/uL#	44
80) Fluoroanthene	19.676	202	20651	0.12	ng/uL	95
82) Pyrene	19.967	202	18564	0.19	ng/uL#	65
83) Butyl Benzyl Phthalate	20.806	149	8694m	0.22	ng/uL	
84) Bis(2-ethylhexyl) adipate	20.905	129	2522	0.13	ng/uL#	100
85) Benzo(a)anthracene	21.383	228	6411	0.08	ng/uL#	55
86) Chrysene	21.418	228	5535	0.07	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.436	149	320646	6.37	ng/uL	91
88) Di-n-octyl Phthalate	21.984	149	138631	~~1.84~~	ng/uL#	77
90) Benzo(b)fluoroanthene	22.561	252	2807m	0.13	ng/uL	
91) Benzo(k)fluoranthene	22.572	252	2155m	0.09	ng/uL	
92) Benzo(a)pyrene	22.945	252	1952	0.10	ng/uL#	22
93) Indeno(1,2,3-cd)pyrene	24.566	276	1523	0.09	ng/uL#	57
94) Dibdenz(a,h)anthracene	24.630	278	117	0.01	ng/uL#	1
95) Benzo(g,h,i)Perylene	25.055	276	1447	0.10	ng/uL#	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 08:52:57 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

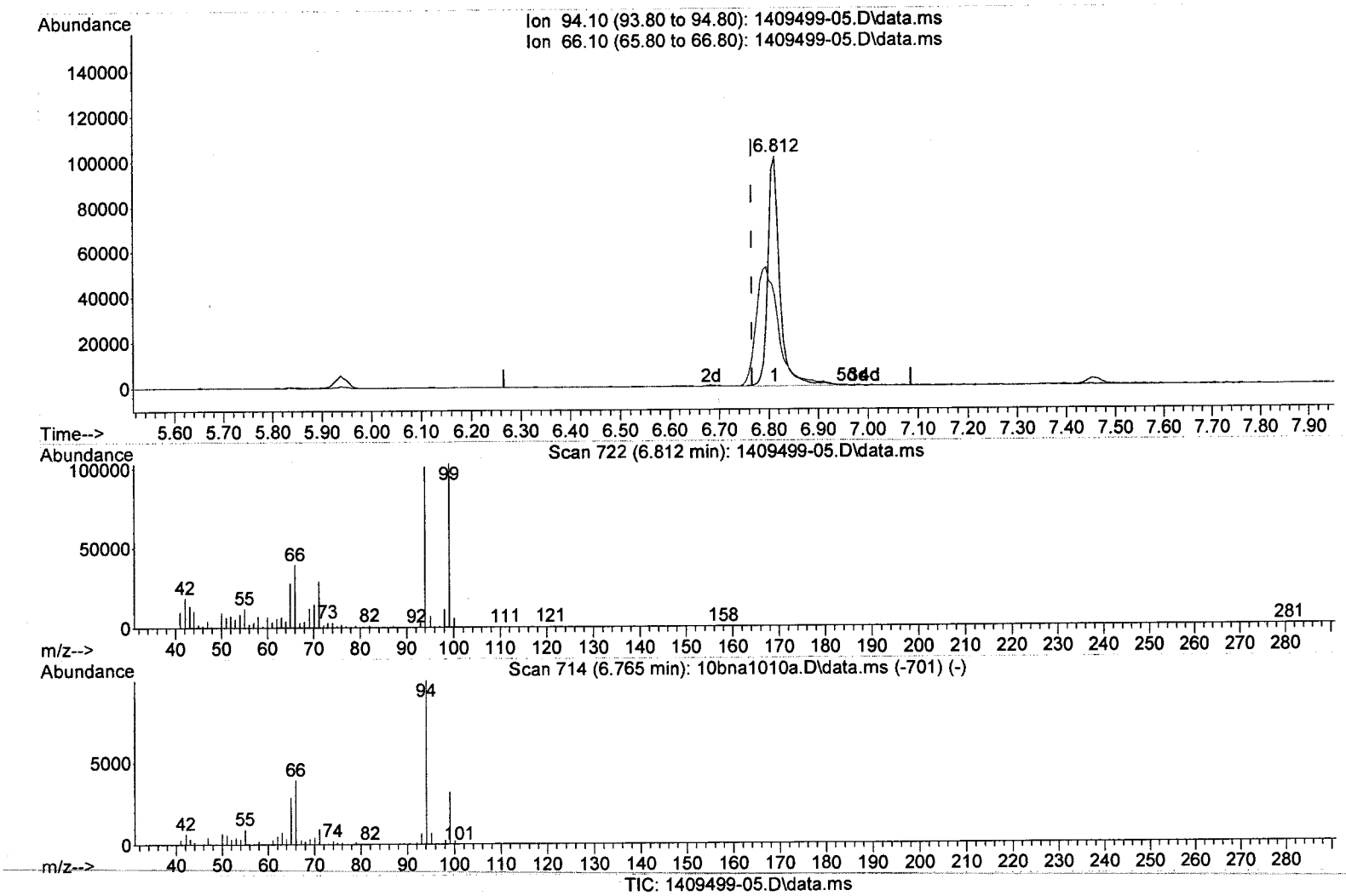
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.459	152	361930	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.169	136	1388512	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.267	164	726159	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.723	188	945119	5.00	ng/uL		0.00
19) Chrysene-d12	21.395	240	420018	5.00	ng/uL	#	0.00
22) Perylene-d12	23.015	264	118513	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.778	74	5349	0.09	ng/uL		90
3) Pyridine	3.151	79	4346	0.04	ng/uL		97
4) Aniline	6.841	93	45152	0.29	ng/uL	#	1
5) Benzaldehyde	6.567	105	10142	0.13	ng/uL	#	87
6) Acetophenone	8.298	105	7762	0.06	ng/uL	#	84
7) N-Nitroso-di-n-propyla...	8.321	70	3636	0.05	ng/uL	#	72
9) 4-Chloroaniline	10.752	127	121	0.01	ng/uL		90
10) Caprolactam	11.160	55	4747	0.20	ng/uL	#	68
12) 1,1'-Biphenyl	12.949	154	1136	0.01	ng/uL	#	67
13) 2-Nitroaniline	13.707	138	675	0.02	ng/uL		91
14) 3-Nitroaniline	14.191	138	589	Below Cal		#	1
15) 4-Nitroaniline	15.660	138	233	Below Cal		#	1
17) N-Nitroso-diphenylamine	15.939	169	1223	0.01	ng/uL	#	88
18) Atrazine	17.193	200	298	Below Cal			88
20) Benzidine	20.008	184	5458	0.50	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.401	252	977	0.04	ng/uL	#	62

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(7) Phenol (C)

6.812min (+ 0.047) 1.36 ng/uL

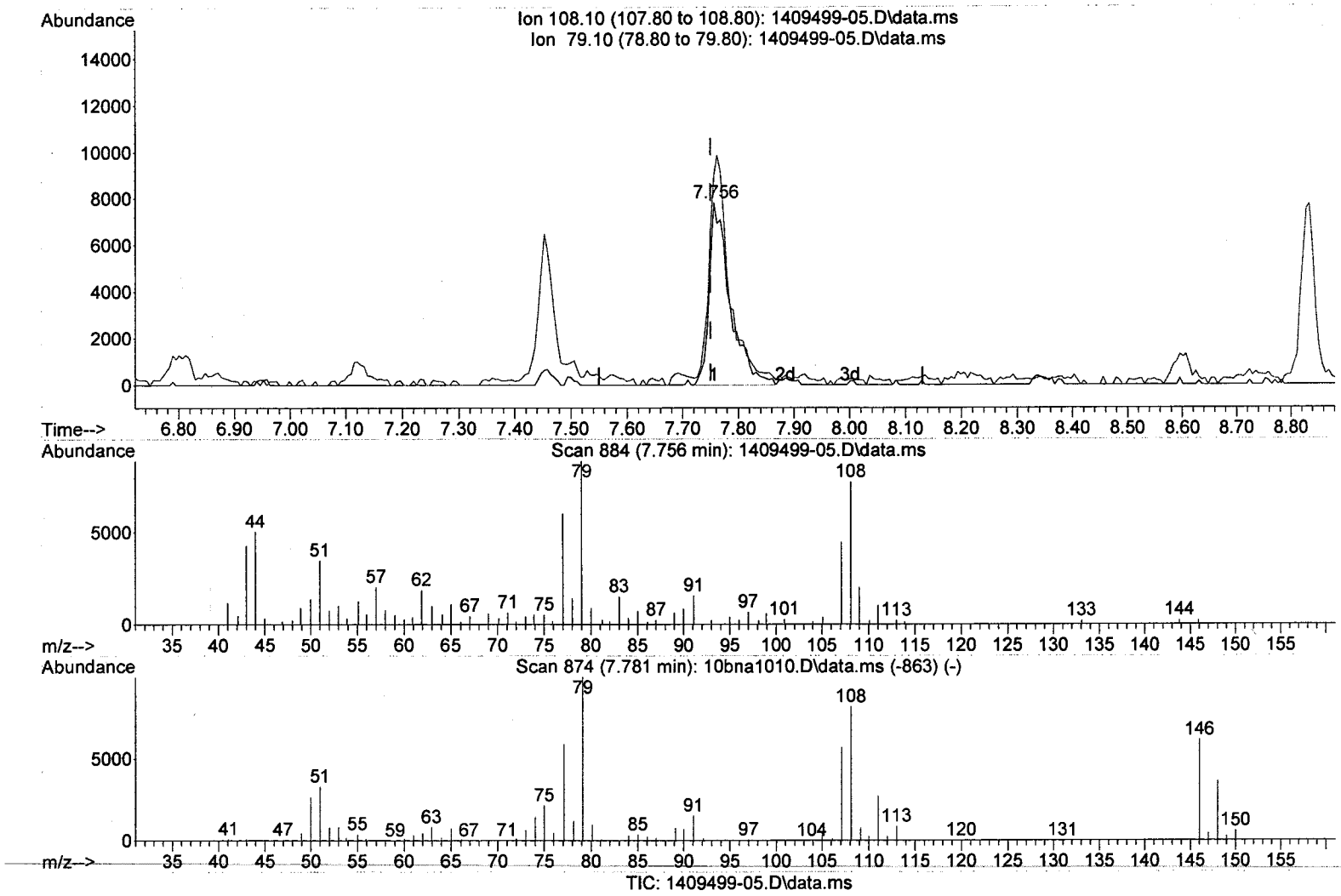
response 169434

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	97.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:25:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(14) Benzyl Alcohol

7.756min (+ 0.006) 0.32 ng/uL

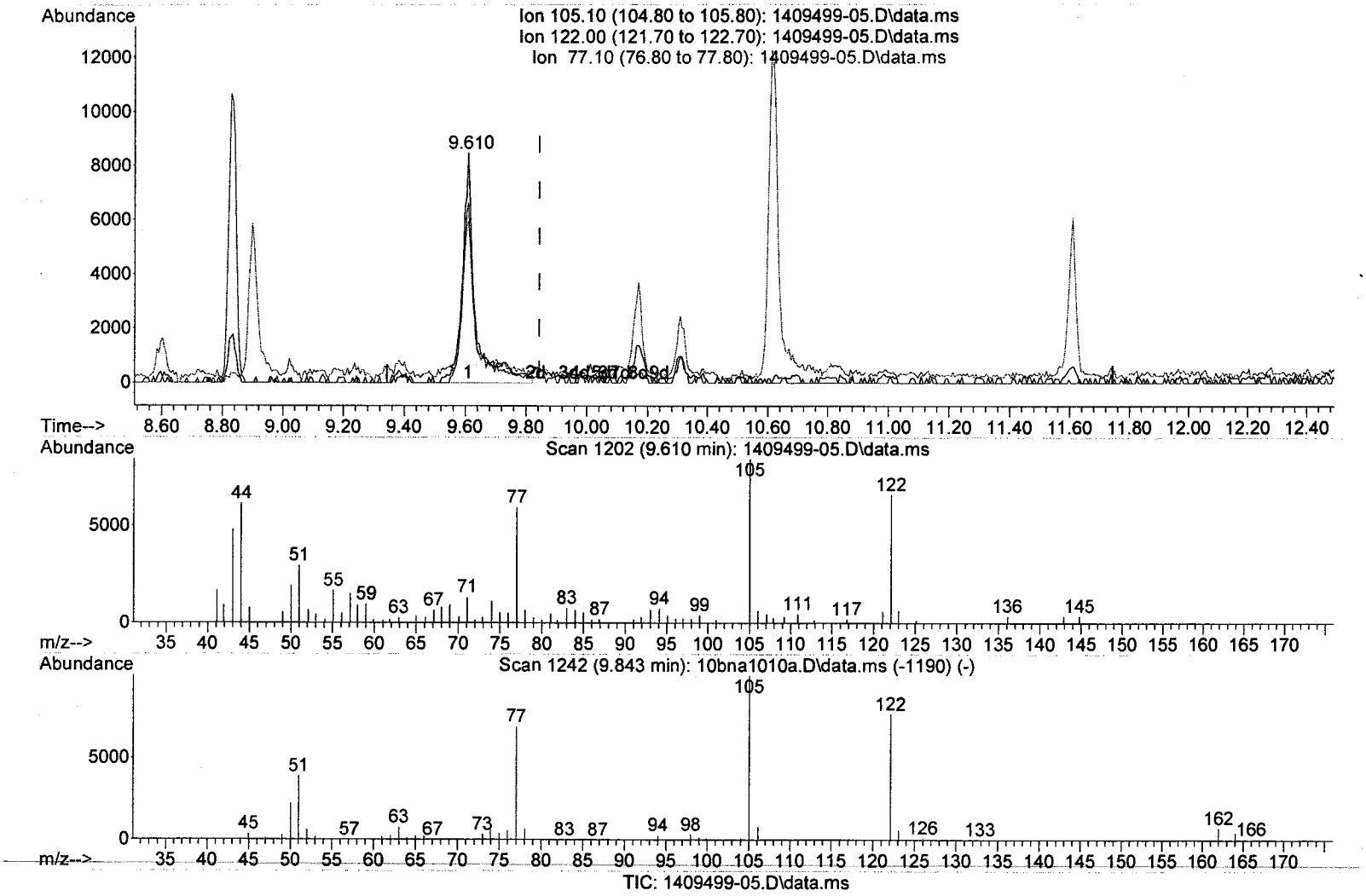
response 20279

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	132.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.610min (-0.233) 2.79 ng/uL

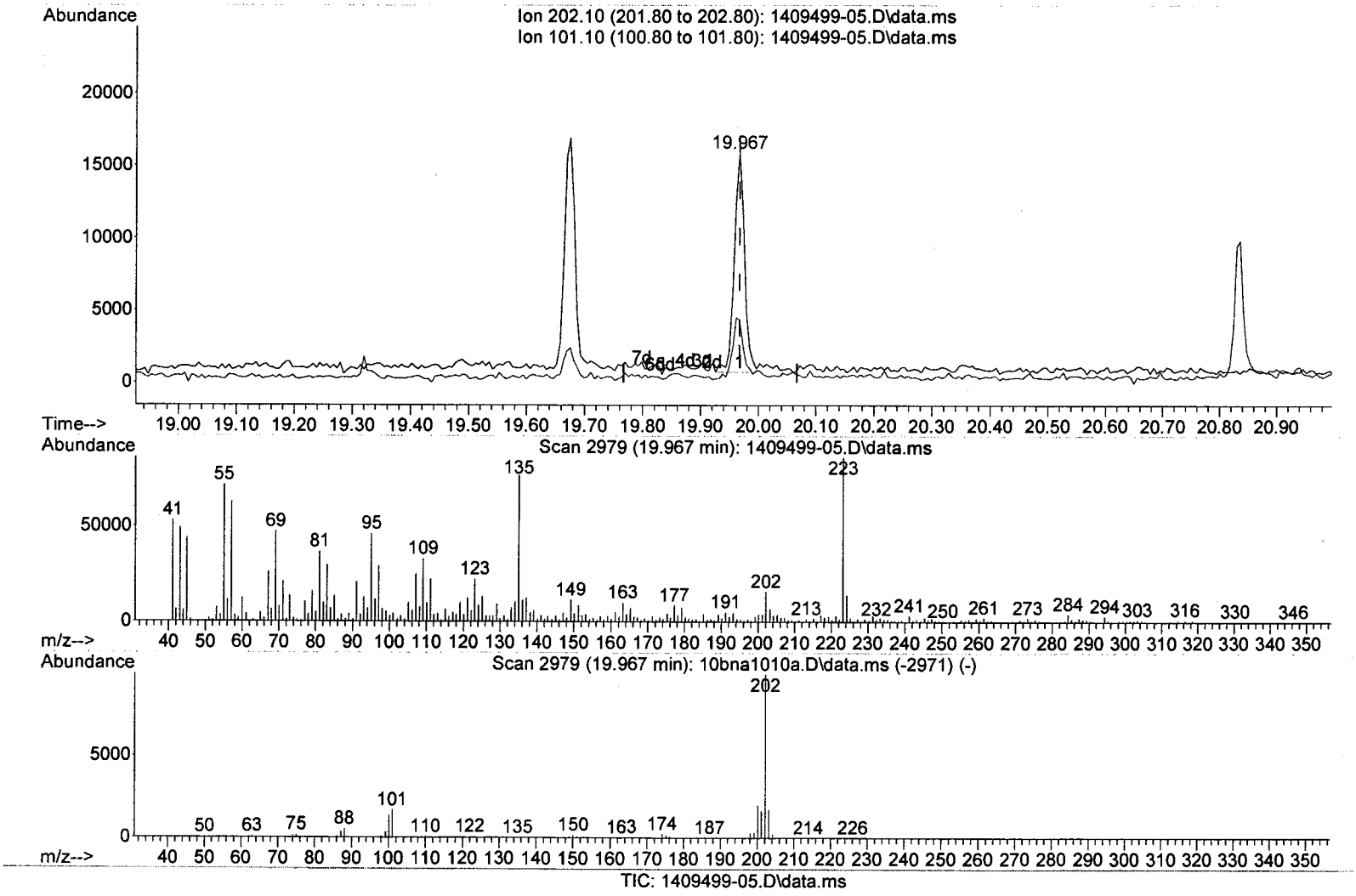
response 25616

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	81.40
77.10	74.70	72.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1409499-05.D\data.ms

(82) Pyrene

19.967min (-0.000) 0.19 ng/uL

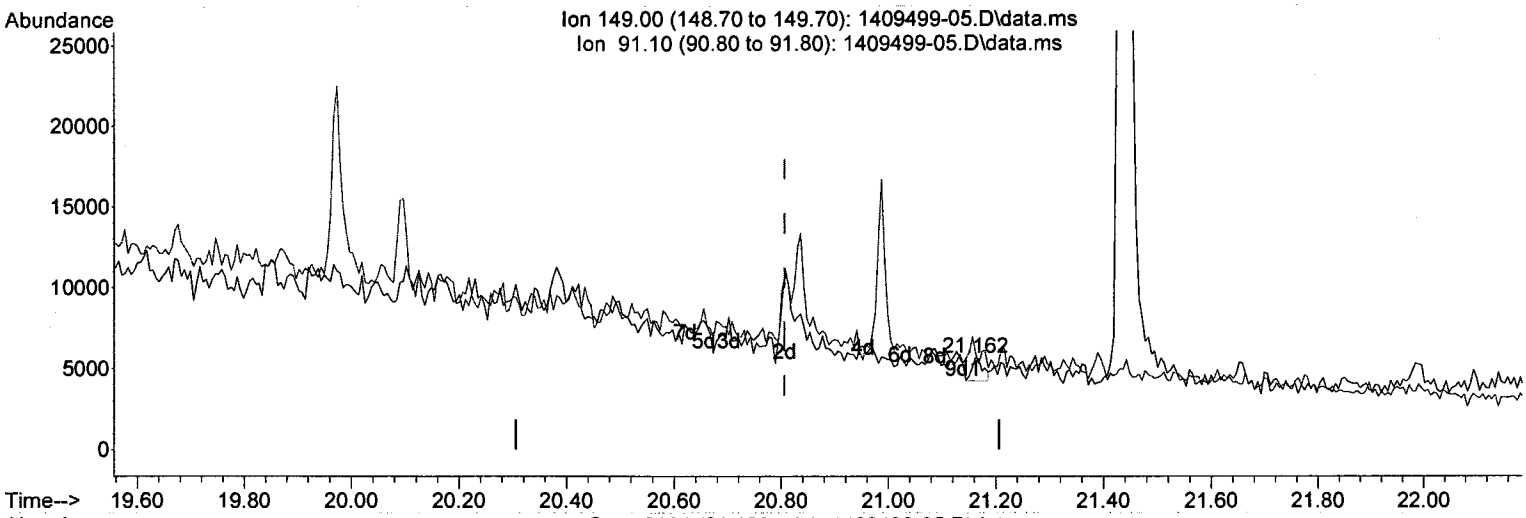
response 18564

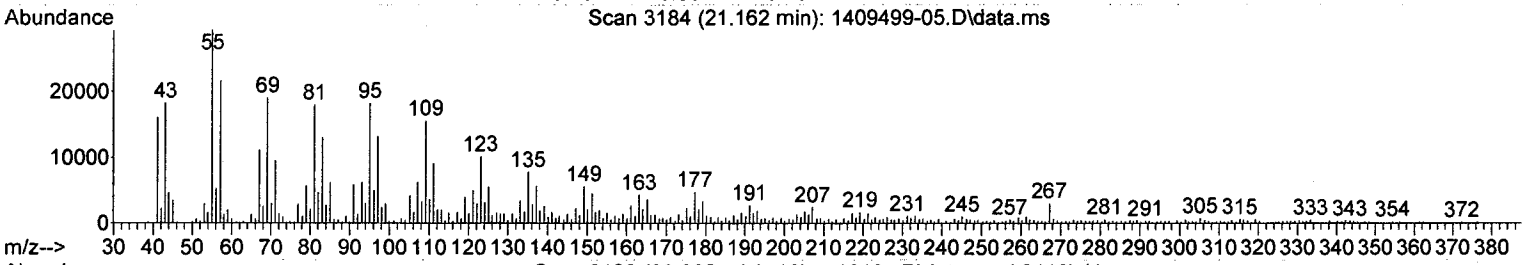
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	31.00#
0.00	0.00	0.00
0.00	0.00	0.00

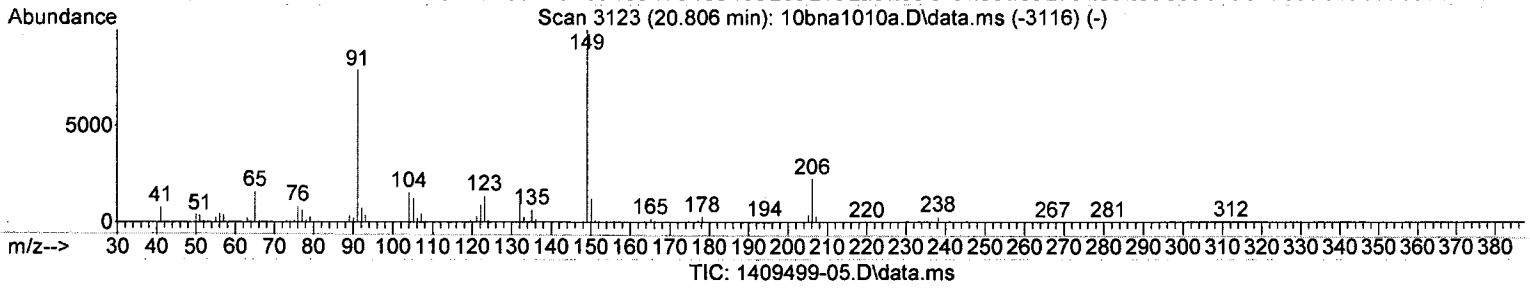
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1409499-05.D\data.ms

(83) Butyl Benzyl Phthalate

21.162min (+ 0.355) 0.05 ng/uL

response 2053

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	72.38
0.00	0.00	0.00
0.00	0.00	0.00

DWS 10-17-14

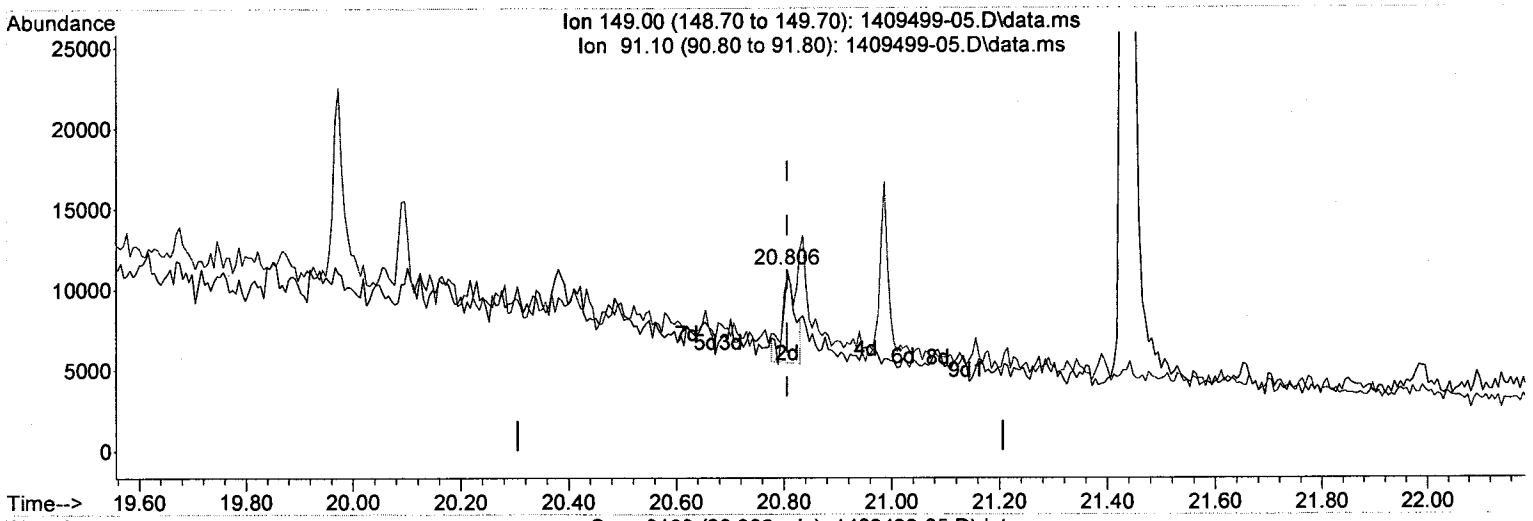
DWS 10/15/14

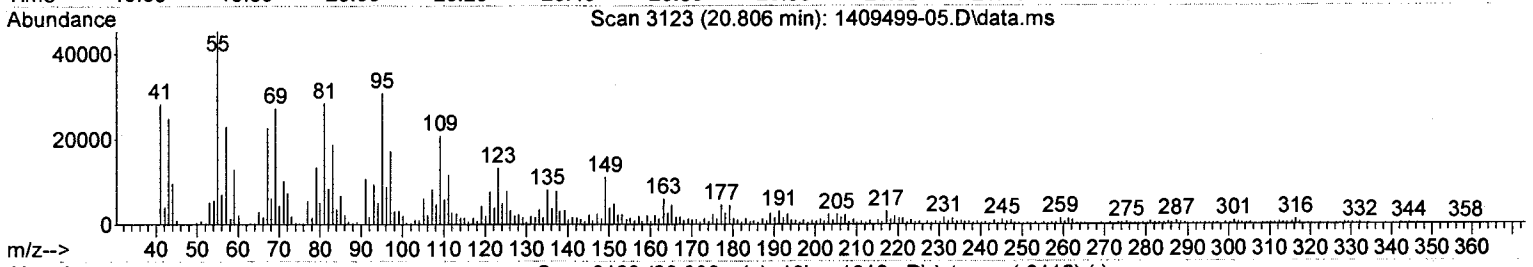
003074

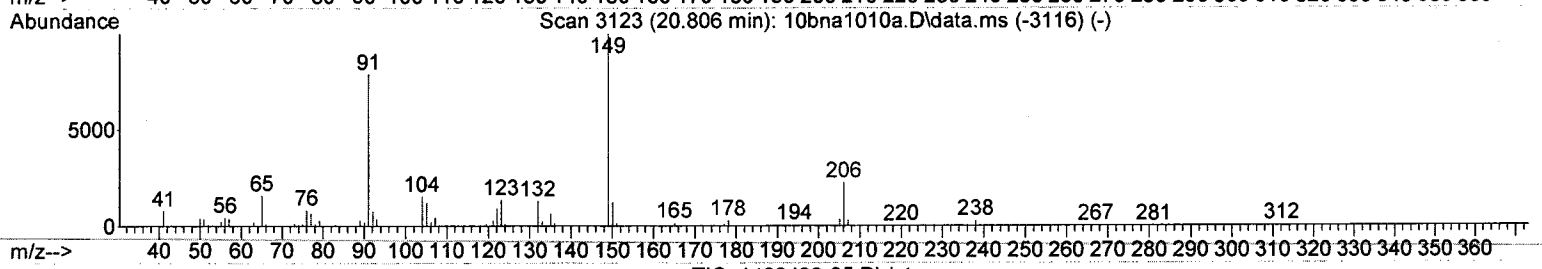
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1409499-05.D\data.ms

(83) Butyl Benzyl Phthalate

20.806min (-0.000) 0.22 ng/uL m

response 8694

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	17.09#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

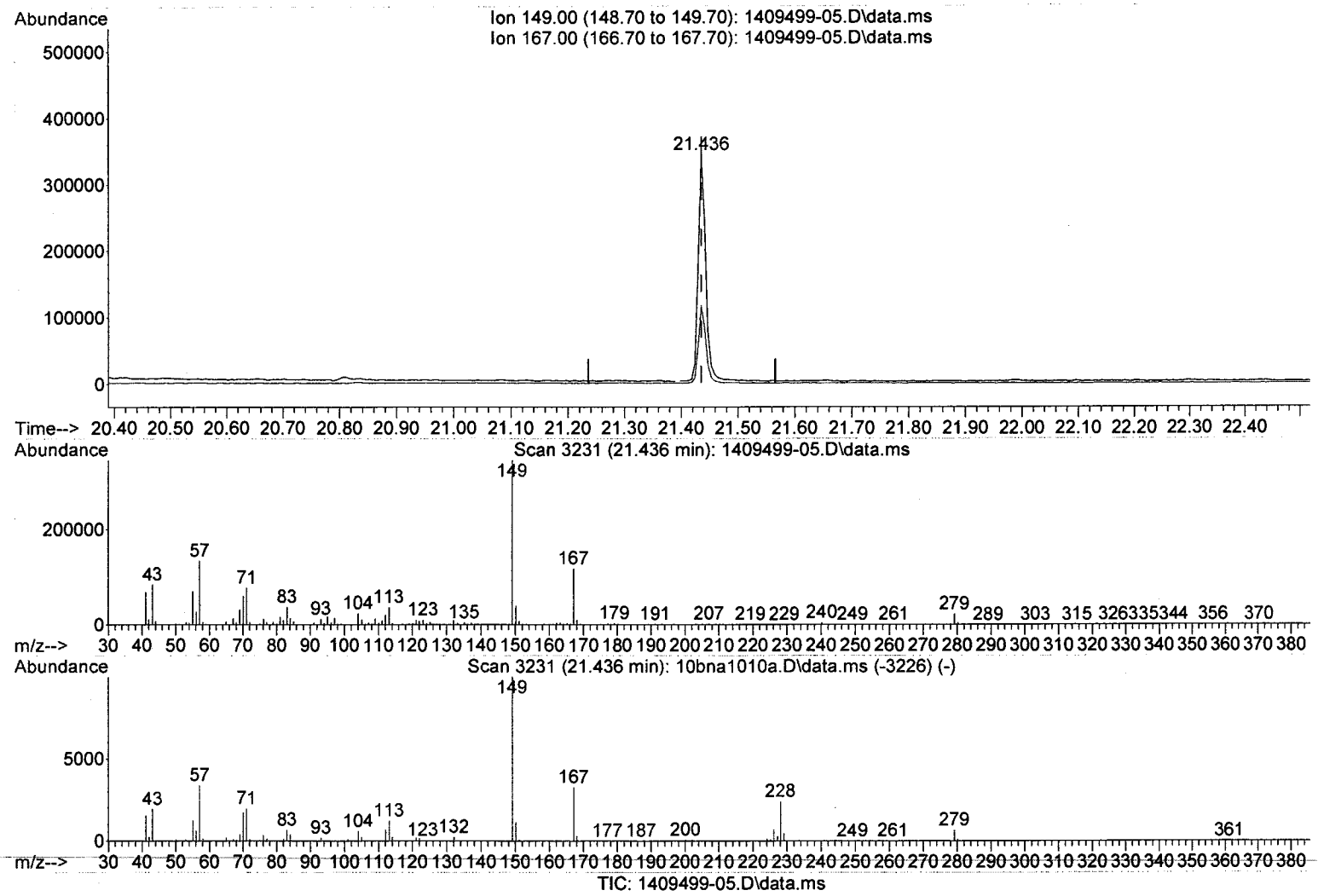
Analyst: JLB Date: 10/15/14

Reviewed By: DW Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.436min (-0.000) 6.37 ng/uL

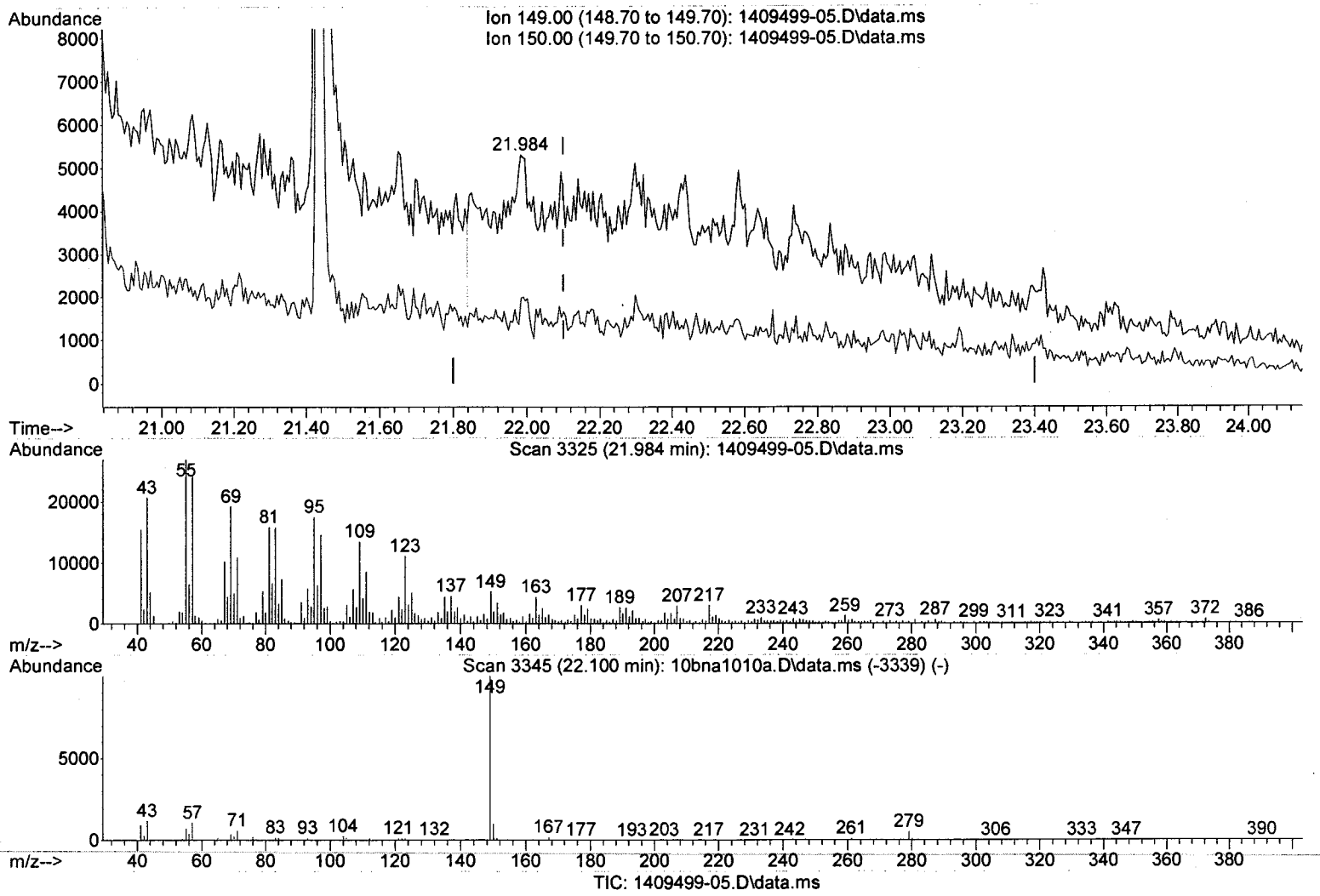
response 320646

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1409499-05.D\data.ms

(88) Di-n-octyl Phthalate (C)

21.984min (-0.117) 1.84 ng/uL

response 138631

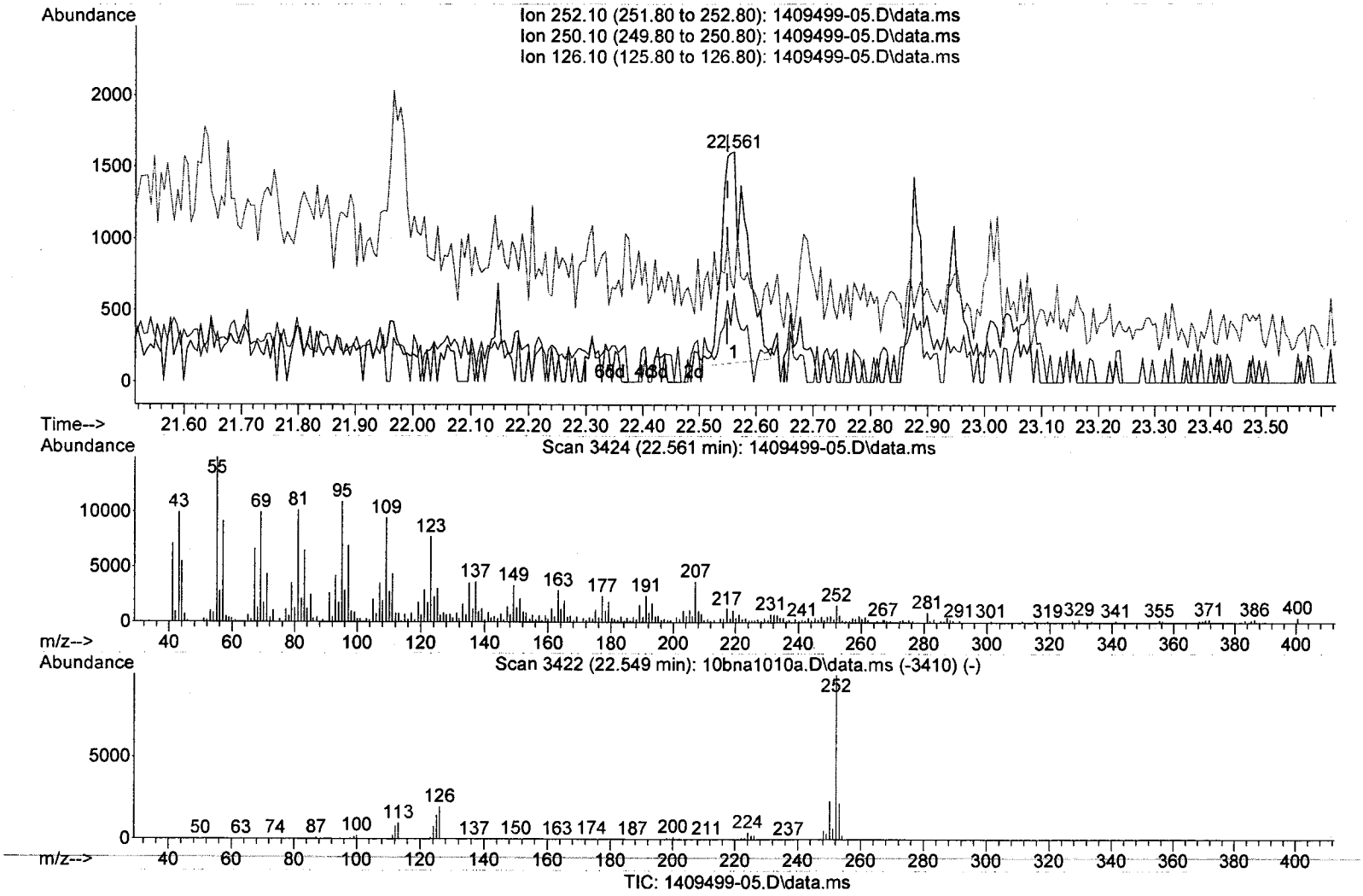
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.10#
0.00	0.00	0.00
0.00	0.00	0.00

003077

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.561min (+ 0.012) 0.21 ng/uL

response 4443

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	33.85#
126.10	17.20	15.10
0.00	0.00	0.00

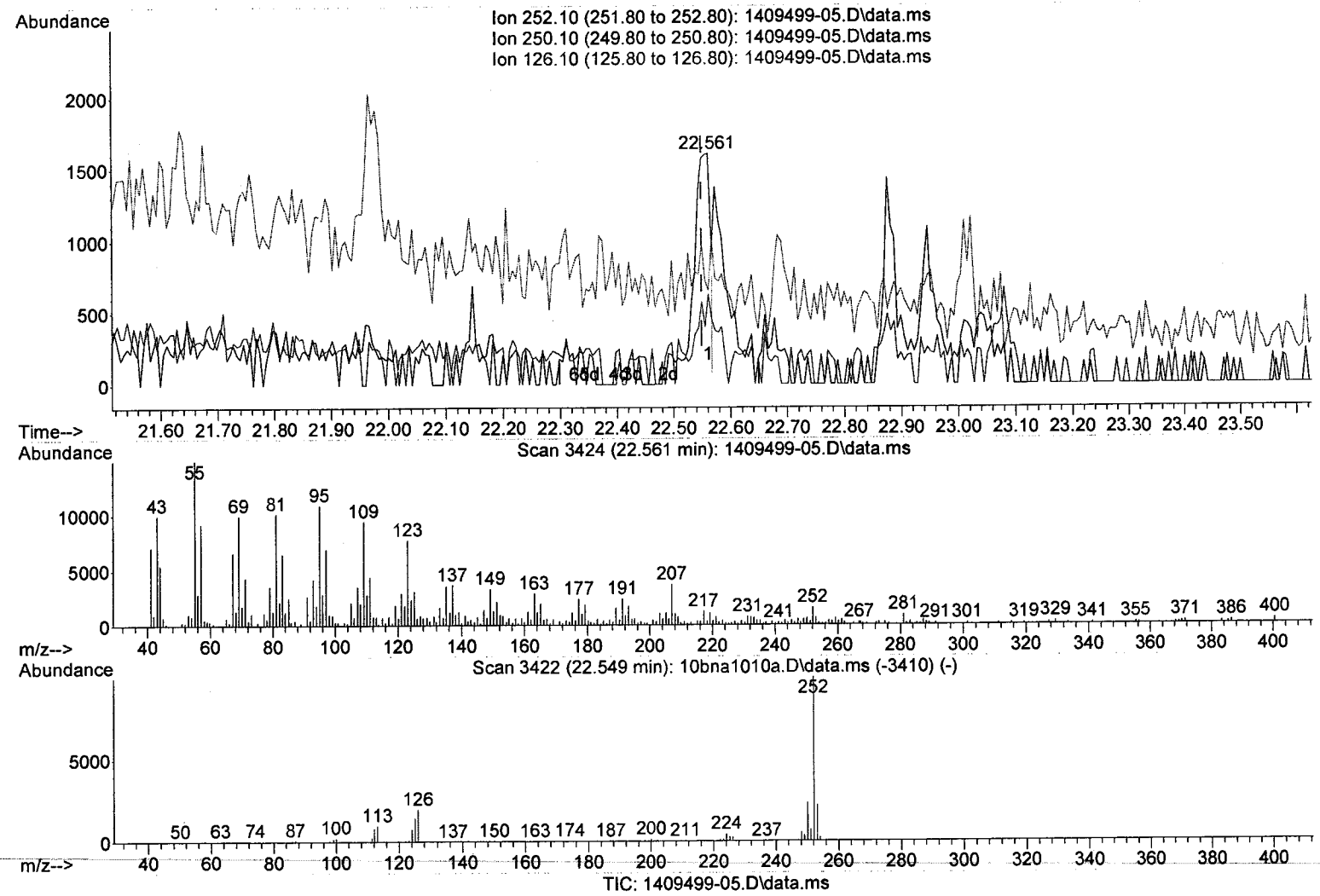
DWS 10-17-14

JMS 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.561min (+ 0.012) 0.13 ng/uL m

response 2807

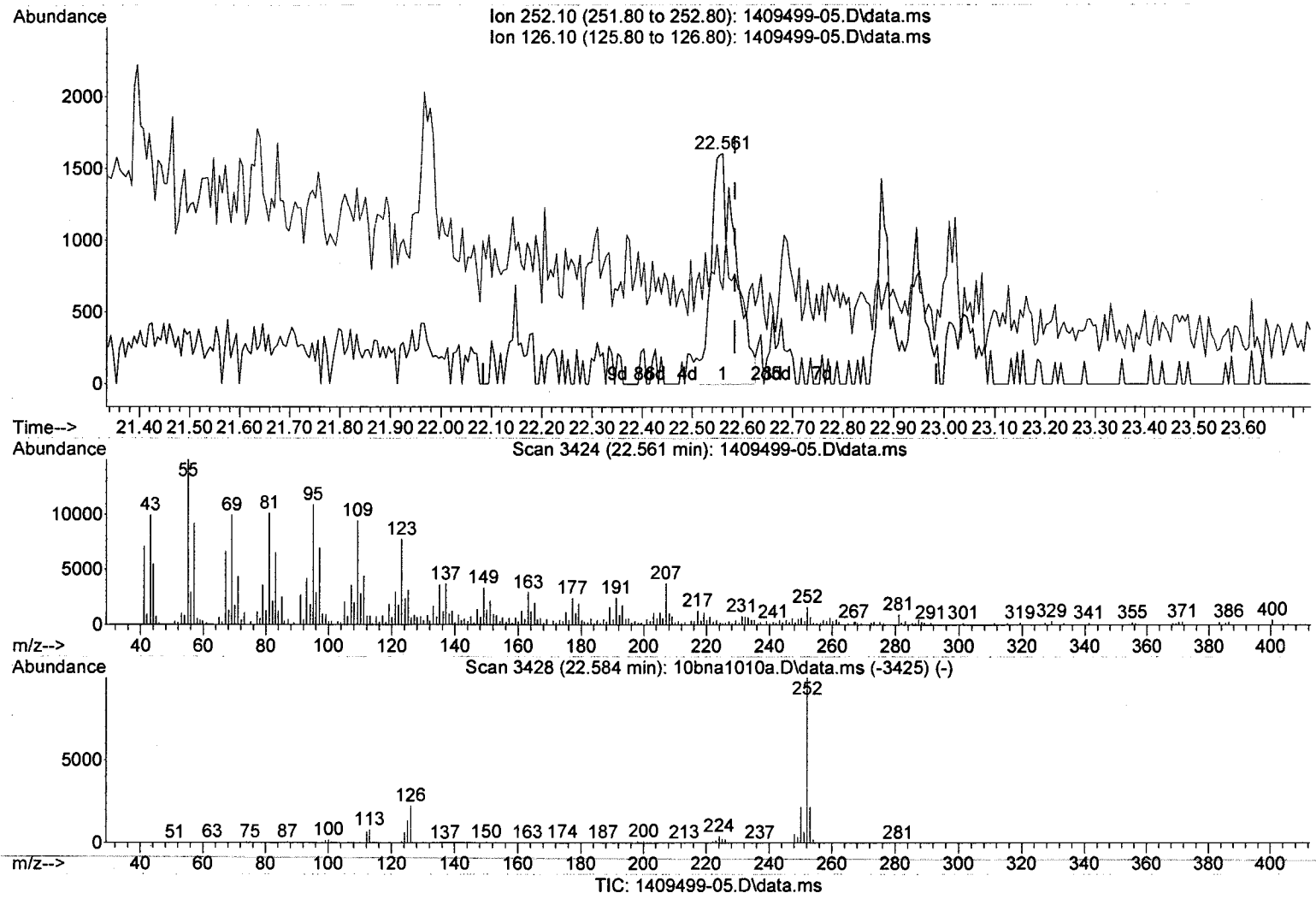
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	53.58#
126.10	17.20	23.90#
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: Yes / No
Analyst: Date: 10/15/14
Reviewed By: Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.561min (-0.023) 0.22 ng/uL

response 5367

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	12.50#
0.00	0.00	0.00
0.00	0.00	0.00

DWS 10-17-14

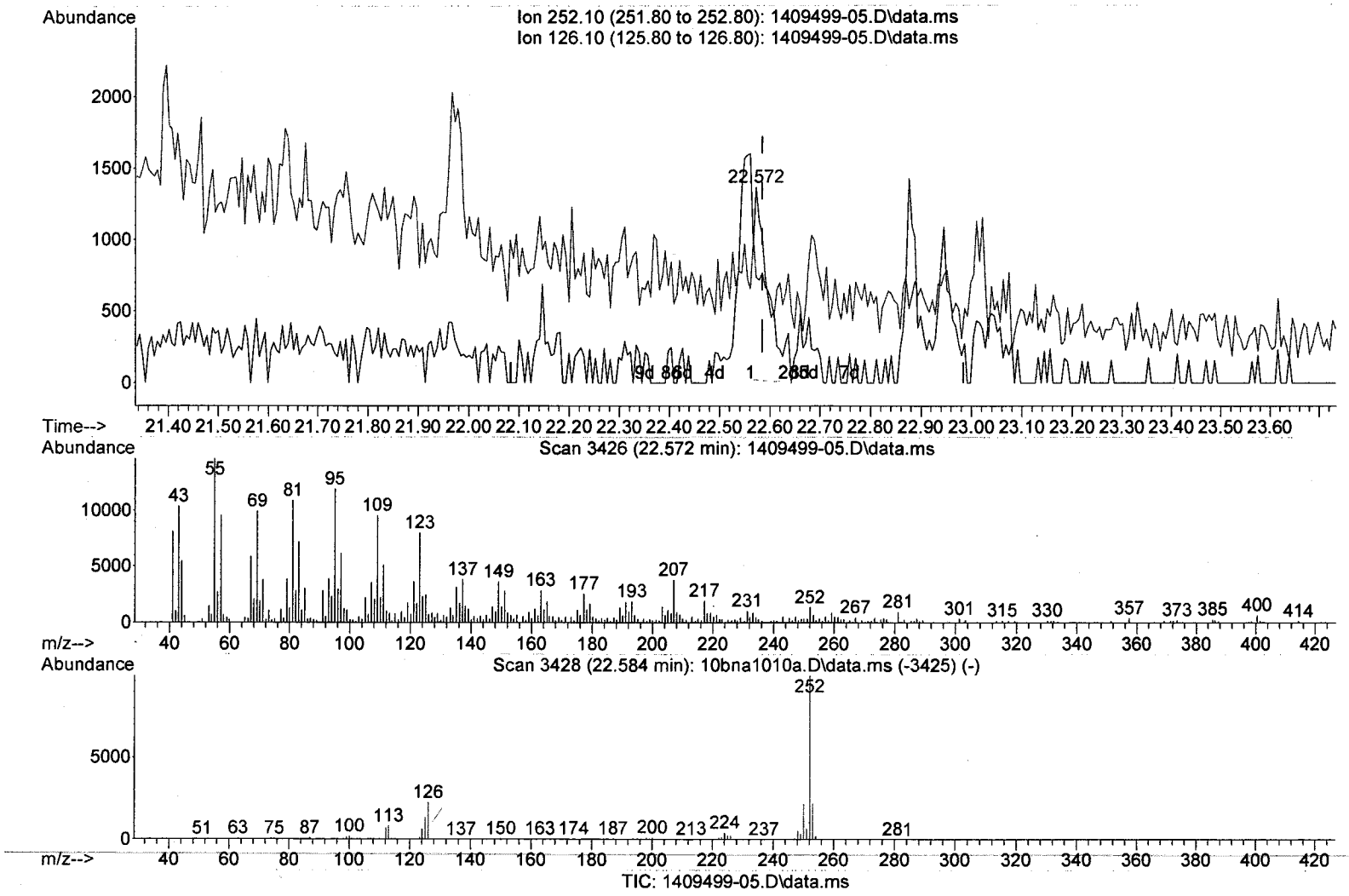
JWS 10/15/14

003080

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.572min (-0.012) 0.09 ng/uL m

response 2155

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	31.14#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

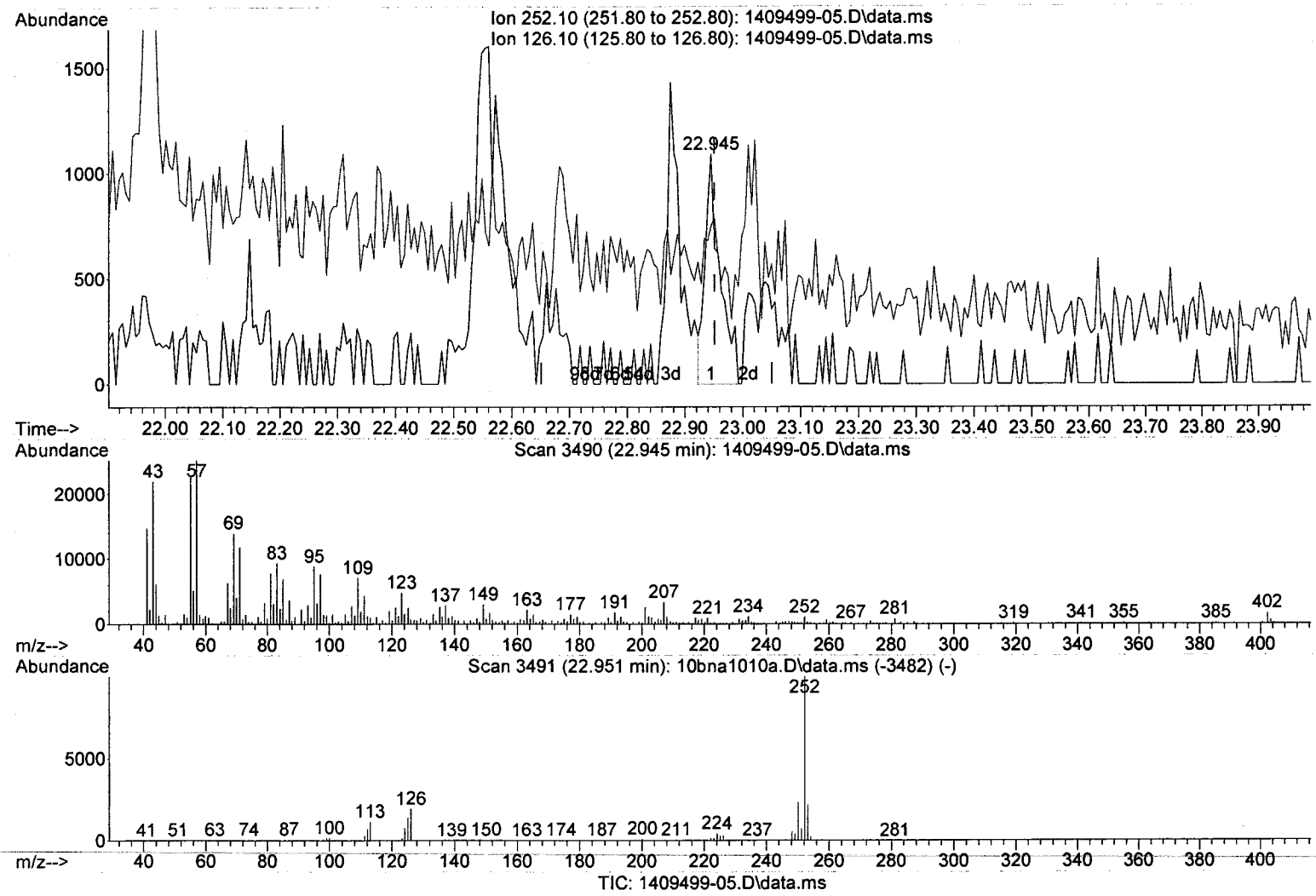
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: DWF Date: 10-17-14

003081

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

22.945min (-0.006) 0.10 ng/uL

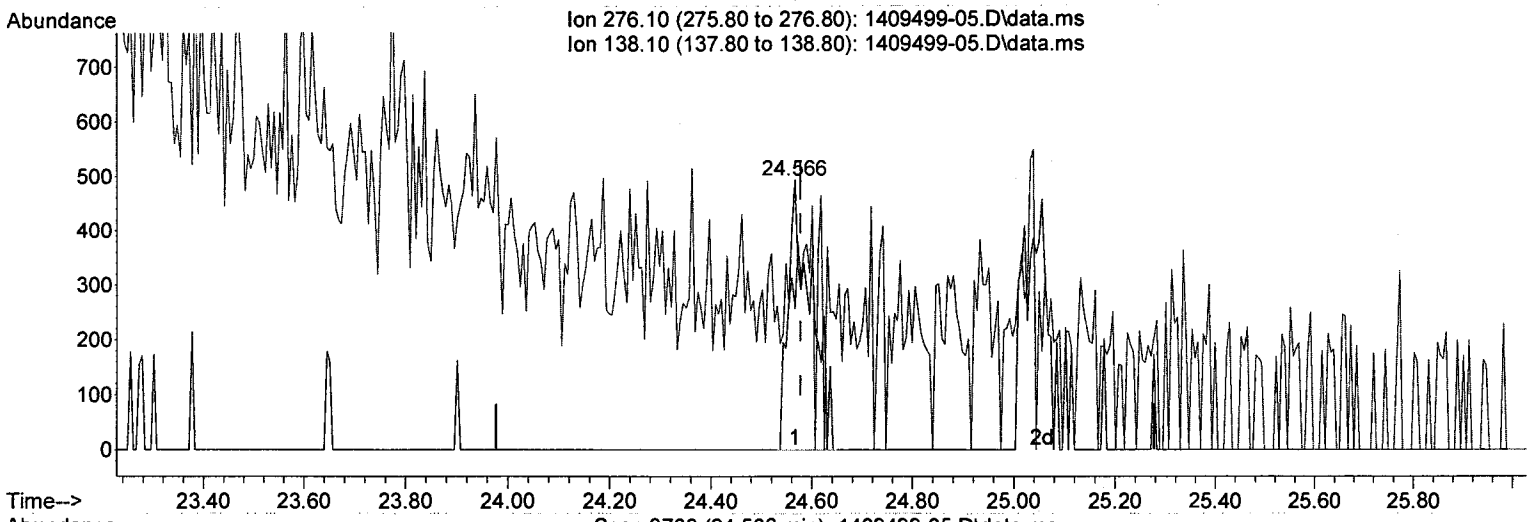
response 1952

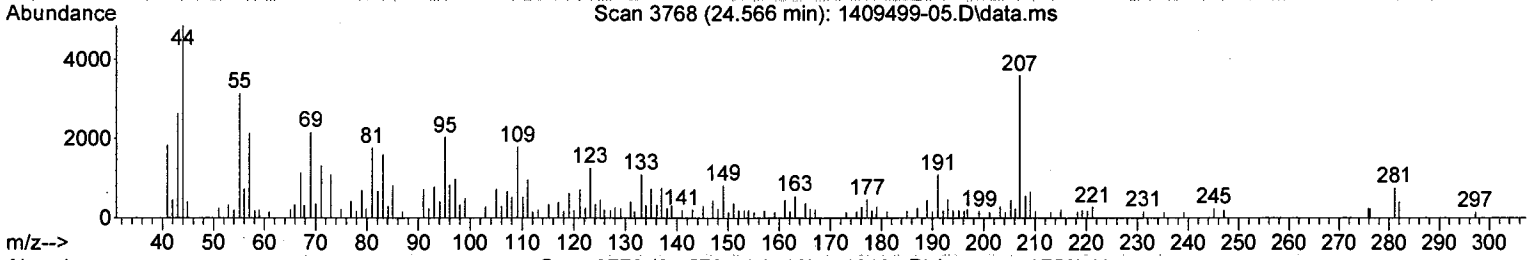
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	54.66#
0.00	0.00	0.00
0.00	0.00	0.00

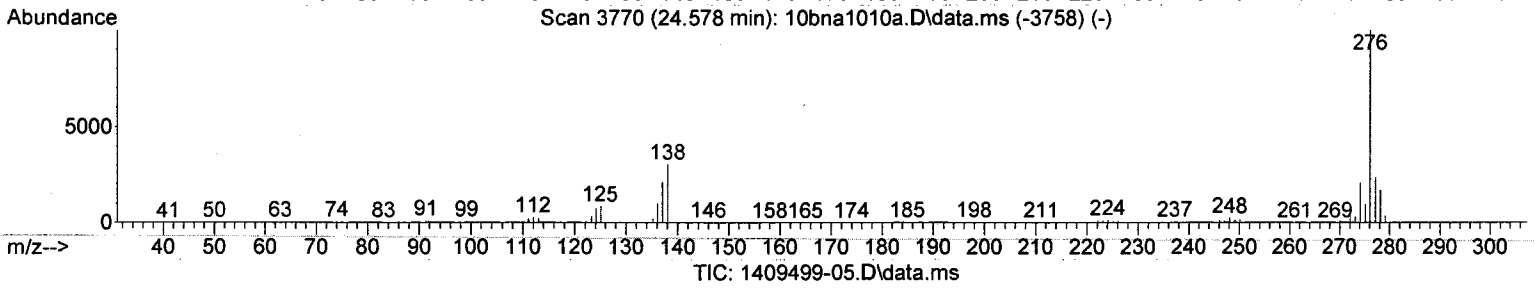
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1409499-05.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.566min (-0.012) 0.09 ng/uL

response 1523

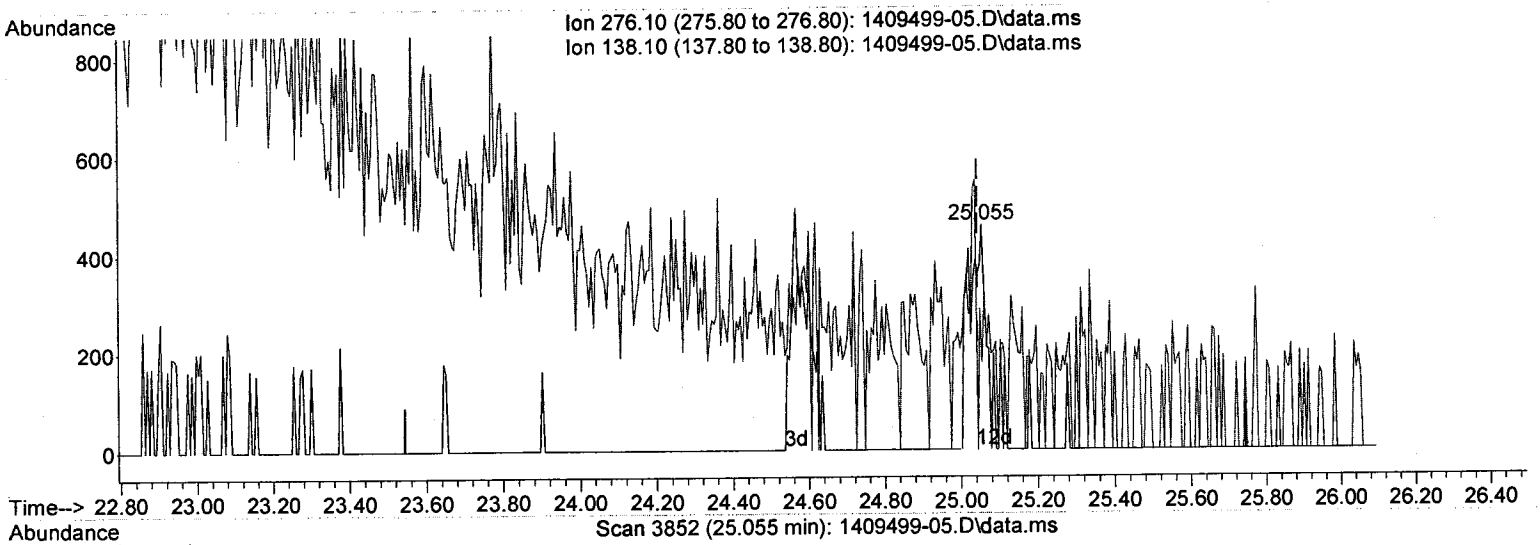
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	6.04#
0.00	0.00	0.00
0.00	0.00	0.00

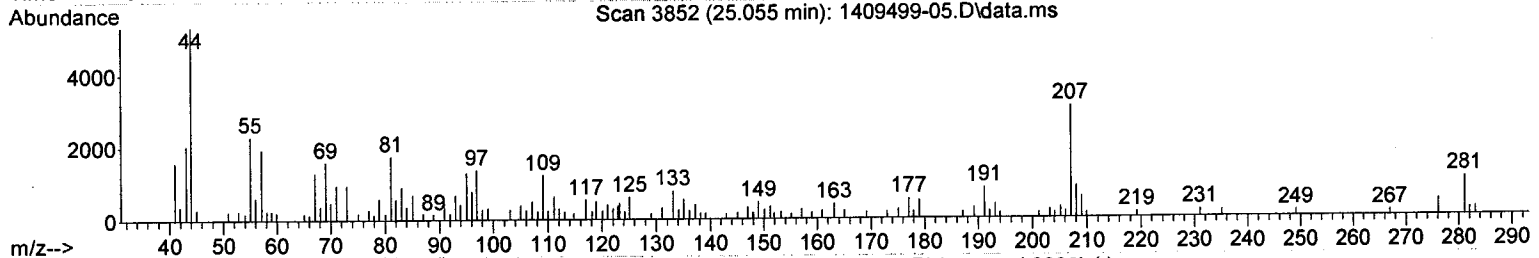
003083

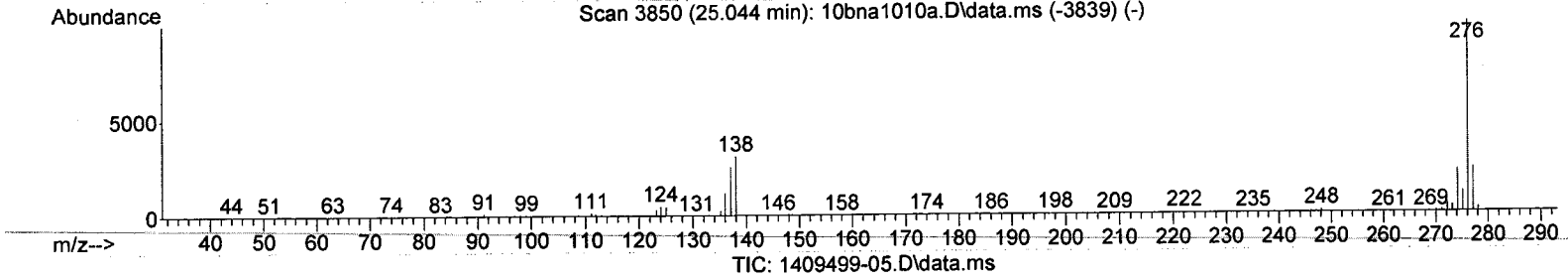
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1409499-05.D
Acq On : 11 Oct 2014 2:00
Operator : JLB
Sample : 1409499-05 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 09:22:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1409499-05.D\data.ms

(95) Benzo(g,h,i)Perylene

25.055min (+ 0.012) 0.10 ng/uL

response 1447

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	34.14#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB33-10

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-05RE1 File ID: 1409499-05 10x.D

Sampled: 09/26/14 13:00 Prepared: 10/02/14 07:41 Analyzed: 10/17/14 13:13

Solids: 90.49 Preparation: 3550C Sonication Extract Initial/Final: 30.3 grams / 1 mL

QC Batch: 1410563 Sequence: 4J17060 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	180	51	180	180	U
208-96-8	Acenaphthylene	10	180	46	180	180	U
120-12-7	Anthracene	10	180	44	180	180	U
56-55-3	Benzo(a)anthracene	10	92	30	92	180	U
50-32-8	Benzo(a)pyrene	10	92	25	92	180	U
205-99-2	Benzo(b)fluoranthene	10	92	21	92	180	U
207-08-9	Benzo(k)fluoranthene	10	92	22	92	180	U
191-24-2	Benzo(g,h,i)perylene	10	22	21	92	370	J
65-85-0	Benzoic Acid	10	1800	760	1800	3700	U
100-51-6	Benzyl Alcohol	10	180	51	180	180	U
101-55-3	4-Bromophenyl Phenyl Ether	10	180	45	180	180	U
85-68-7	Butyl Benzyl Phthalate	10	180	44	180	370	U
86-74-8	Carbazole	10	180	45	180	1800	U
59-50-7	4-Chloro-3-methylphenol	10	180	55	180	180	U
106-47-8	4-Chloroaniline	10	180	98	180	740	U
111-91-1	Bis(2-chloroethoxy)methane	10	180	45	180	180	U
111-44-4	Bis(2-chloroethyl) Ether	10	180	44	180	180	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	92	41	92	180	U
91-58-7	2-Chloronaphthalene	10	180	54	180	180	U
95-57-8	2-Chlorophenol	10	180	44	180	180	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	180	42	180	180	U
218-01-9	Chrysene	10	180	43	180	180	U
53-70-3	Dibenz(a,h)anthracene	10	92	21	92	370	U
132-64-9	Dibenzofuran	10	180	54	180	180	U
84-74-2	Di-n-butyl Phthalate	10	370	150	370	740	U
106-46-7	1,4-Dichlorobenzene	10	180	53	180	180	U
95-50-1	1,2-Dichlorobenzene	10	180	60	180	180	U
541-73-1	1,3-Dichlorobenzene	10	180	63	180	180	U
91-94-1	3,3′-Dichlorobenzidine	10	7400	3100	7400	9200	U
120-83-2	2,4-Dichlorophenol	10	180	45	180	370	U
84-66-2	Diethyl Phthalate	10	180	53	180	180	U
105-67-9	2,4-Dimethylphenol	10	1500	400	1500	1800	U
131-11-3	Dimethyl Phthalate	10	180	52	180	180	U
534-52-1	4,6-Dinitro-2-methylphenol	10	740	240	740	1800	U
51-28-5	2,4-Dinitrophenol	10	1800	620	1800	1800	U
606-20-2	2,6-Dinitrotoluene	10	92	44	92	180	U
121-14-2	2,4-Dinitrotoluene	10	92	36	92	370	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB33-10

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-05RE1 File ID: 1409499-05 10x.D

Sampled: 09/26/14 13:00 Prepared: 10/02/14 07:41 Analyzed: 10/17/14 13:13

Solids: 90.49 Preparation: 3550C Sonication Extract Initial/Final: 30.3 grams / 1 mL

QC Batch: 1410563 Sequence: 4J17060 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	130	43	180	180	**JB**
122-66-7	1,2-Diphenylhydrazine	10	92	37	92	180	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	130	130	180	370	**JB**
206-44-0	Fluoranthene	10	180	49	180	180	U
86-73-7	Fluorene	10	180	45	180	370	U
118-74-1	Hexachlorobenzene	10	180	52	180	180	U
87-68-3	Hexachlorobutadiene	10	180	51	180	180	U
67-72-1	Hexachloroethane	10	180	55	180	180	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	92	30	92	370	U
78-59-1	Isophorone	10	180	43	180	180	U
91-57-6	2-Methylnaphthalene	10	180	50	180	180	U
108-39-4	3+4-Methylphenol	10	92	41	92	180	U
95-48-7	2-Methylphenol	10	92	39	92	180	U
91-20-3	Naphthalene	10	180	62	180	180	U
100-01-6	4-Nitroaniline	10	740	270	740	3600	U
88-74-4	2-Nitroaniline	10	92	40	92	180	U
99-09-2	3-Nitroaniline	10	370	180	370	3600	U
98-95-3	Nitrobenzene	10	180	51	180	180	U
88-75-5	2-Nitrophenol	10	180	49	180	180	U
100-02-7	4-Nitrophenol	10	3700	1100	3700	7400	U
62-75-9	N-Nitroso-dimethylamine	10	74	37	74	370	U
86-30-6	N-Nitroso-diphenylamine	10	92	38	92	180	U
621-64-7	N-Nitroso-di-n-propylamine	10	180	45	180	180	U
87-86-5	Pentachlorophenol	10	180	150	180	1800	U
85-01-8	Phenanthrene	10	180	45	180	180	U
108-95-2	Phenol	10	44	43	180	1800	**J**
129-00-0	Pyrene	10	180	48	180	180	U
120-82-1	1,2,4-Trichlorobenzene	10	180	49	180	180	U
95-95-4	2,4,5-Trichlorophenol	10	180	50	180	180	U
88-06-2	2,4,6-Trichlorophenol	10	92	28	92	180	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	729	616	85	33 - 113	D
Phenol-d6	729	554	76	30 - 115	D
Nitrobenzene-d5	365	277	76	33 - 131	D
2-Fluorobiphenyl	365	328	90	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB33-10

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-05RE1
File ID: 1409499-05 10x.D
Sampled: 09/26/14 13:00
Prepared: 10/02/14 07:41
Analyzed: 10/17/14 13:13
Solids: 90.49
Preparation: 3550C Sonication Extract
Initial/Final: 30.3 grams / 1 mL
QC Batch: 1410563
Sequence: 4J17060
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	729	423	58	12 - 124	D
o-Terphenyl	365	390	107	20 - 155	D

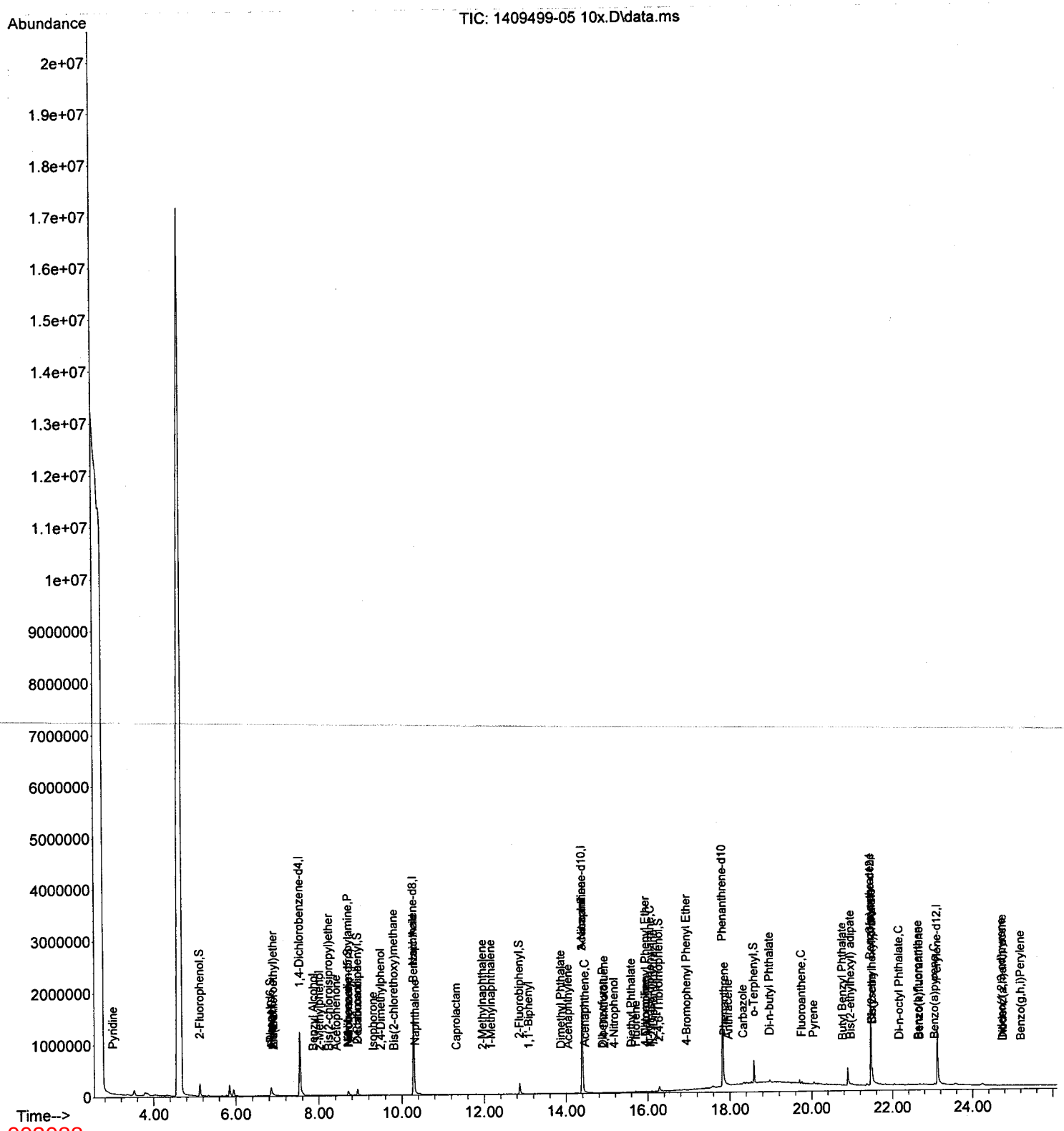
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	425627	7.538	403279	7.614	
Naphthalene-d8	1752409	10.289	1529030	10.359	
Acenaphthene-d10	937464	14.398	866604	14.474	
Phenanthrene-d10	1343437	17.831	1400442	17.901	
Chrysene-d12	1204435	21.468	1153654	21.538	
Perylene-d12	835028	23.124	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-05 10x.D
Acq On : 17 Oct 2014 13:13
Operator : JLB
Sample : 1409499-05 10x
Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 14:07:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-05 10x.D
Acq On : 17 Oct 2014 13:13
Operator : JLB
Sample : 1409499-05 10x
ALS Vial : 12 Sample Multiplier: 1

Inst : 339

Quant Time: Oct 17 14:07:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.538	152	425627	5.00 ng/uL	# 0.00
20) Naphthalene-d8	10.289	136	1752409	5.00 ng/uL	0.00
42) Acenaphthene-d10	14.398	164	937464	5.00 ng/uL	-0.01
66) Phenanthrene-d10	17.831	188	1343437	5.00 ng/uL	-0.01
81) Chrysene-d12	21.468	240	1204435	5.00 ng/uL	#-0.01
89) Perylene-d12	23.124	264	835028	5.00 ng/uL	#-0.01
System Monitoring Compounds					
4) 2-Fluorophenol	5.125	112	164165	1.69 ng/uL	0.03
6) Phenol-d6	6.844	99	191108	1.52 ng/uL	-0.02
21) Nitrobenzene-d5	8.709	82	85045	0.76 ng/uL	-0.02
23) Decafluorobiphenyl	8.937	334	59582	0.76 ng/uL	-0.01
47) 2-Fluorobiphenyl	12.865	172	173928	0.90 ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	23725	1.16 ng/uL	-0.02
78) o-Terphenyl	18.595	230	123044	1.07 ng/uL	-0.01
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.	
3) Pyridine	3.003	79	138	0.00 ng/uL#	70
5) Aniline	6.902	93	13823	0.35 ng/uL#	86
7) Phenol	6.873	94	16955	0.12 ng/uL#	45
8) Bis(2-chloroethyl)ether	6.902	93	13476	0.11 ng/uL#	23
9) 2-Chlorophenol	0.000		0	N.D.	
10) 1,3-Dichlorobenzene	0.000		0	N.D.	
11) 1,4-Dichlorobenzene	0.000		0	N.D.	
12) 1,2-Dichlorobenzene	0.000		0	N.D.	
13) Bis(2-chloroisipropyl)...	8.243	45	2115	0.01 ng/uL#	51
14) Benzyl Alcohol	7.870	108	792	0.01 ng/uL	96
15) 2-Methylphenol	8.016	108	121	0.00 ng/uL#	14
16) Acetophenone	8.424	105	522	0.00 ng/uL#	30
17) Hexachloroethane	0.000		0	N.D.	
18) 4-Methylphenol	0.000		0	N.D.	
19) N-Nitroso-di-n-propyla...	8.709	70	8666	0.11 ng/uL#	2
22) Nitrobenzene	8.721	77	326	0.00 ng/uL#	1
24) Isophorone	9.310	82	636	0.00 ng/uL#	58
25) 2-Chloroaniline	8.937	127	794	0.01 ng/uL#	62
26) 2-Nitrophenol	0.000		0	N.D.	
27) 2,4-Dimethylphenol	9.496	107	326	0.00 ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.811	93	60	0.00 ng/uL#	16
29) 2,4-Dichlorophenol	0.000		0	N.D.	
30) Benzoic Acid	10.295	105	2614	~~2.48~~ ng/uL#	1
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
32) Naphthalene	10.330	128	1228	0.00 ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.	
34) 2,6-Dichlorophenol	0.000		0	N.D.	
35) Hexachlorobutadiene	0.000		0	N.D.	
36) Caprolactam	11.326	55	2379	0.05 ng/uL#	21
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.	
38) 4-Chloro-3-methylphenol	0.000		0	N.D.	
39) 2-Methylnaphthalene	11.962	142	860	0.00 ng/uL#	82
40) 1-Methylnaphthalene	12.172	142	1198	0.01 ng/uL	93
41) 1,3 Dinitrobenzene	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-05 10x.D
Acq On : 17 Oct 2014 13:13
Operator : JLB
Sample : 1409499-05 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 14:07:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	0.000		0	N.D.		
49) 1,1'-Biphenyl	13.087	154	140	0.00	ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.054	152	70	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.		
53) Dimethyl Phthalate	13.879	163	1727	0.01	ng/uL#	62
54) 3-Nitroaniline	14.398	138	120	0.00	ng/uL#	1
55) Acenaphthene	14.462	153	1666	0.01	ng/uL#	91
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.899	168	212	0.00	ng/uL#	37
58) 4-Nitrophenol	15.179	65	141	0.00	ng/uL#	1
59) 2,4-Dinitrotoluene	14.934	165	175	0.00	ng/uL#	17
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.715	166	987	0.00	ng/uL#	71
63) Diethyl Phthalate	15.599	149	2379m	0.01	ng/uL	
64) 4-Chlorophenyl Phenyl ...	15.954	204	283	0.00	ng/uL#	35
65) 4-Nitroaniline	15.949	138	143	0.00	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
68) N-Nitroso-diphenylamine	16.071	169	124	0.00	ng/uL#	37
69) 1,2-Diphenylhydrazine	16.141	182	76	0.00	ng/uL	88
71) 4-Bromophenyl Phenyl E...	16.951	248	133	0.00	ng/uL#	2
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	0.000		0	N.D.		
75) Phenanthrene	17.872	178	7953	0.03	ng/uL	100
76) Anthracene	17.965	178	2739	0.01	ng/uL#	90
77) Carbazole	18.327	167	1309	0.01	ng/uL#	1
79) Di-n-butyl Phthalate	18.974	149	5360	0.02	ng/uL#	60
80) Fluoroanthene	19.755	202	5753	0.02	ng/uL#	57
82) Pyrene	20.052	202	4964	0.02	ng/uL#	76
83) Butyl Benzyl Phthalate	20.769	149	204	0.00	ng/uL	95
84) Bis(2-ethylhexyl) adipate	20.973	129	1791	0.09	ng/uL#	100
85) Benzo(a)anthracene	21.462	228	5414	0.02	ng/uL#	1
86) Chrysene	21.497	228	3066	0.01	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.503	149	50456	0.35	ng/uL#	89
88) Di-n-octyl Phthalate	22.174	149	6825m	0.37	ng/uL	
90) Benzo(b)fluoroanthene	22.646	252	5802	0.04	ng/uL#	86
91) Benzo(k)fluoranthene	22.675	252	7544	0.04	ng/uL#	83
92) Benzo(a)pyrene	23.054	252	5962	0.04	ng/uL#	86
93) Indeno(1,2,3-cd)pyrene	24.738	276	8587	0.07	ng/uL#	79
94) Dibdenz(a,h)anthracene	24.761	278	4169	0.04	ng/uL#	84
95) Benzo(g,h,i)Perylene	25.204	276	6324	0.06	ng/uL#	63

(#) = qualifier out of range (m) = manual integration (+) = signals summed

003090

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-05 10x.D
Acq On : 17 Oct 2014 13:13
Operator : JLB
Sample : 1409499-05 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 13:53:28 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 11:49:49 2014
Response via : Initial Calibration

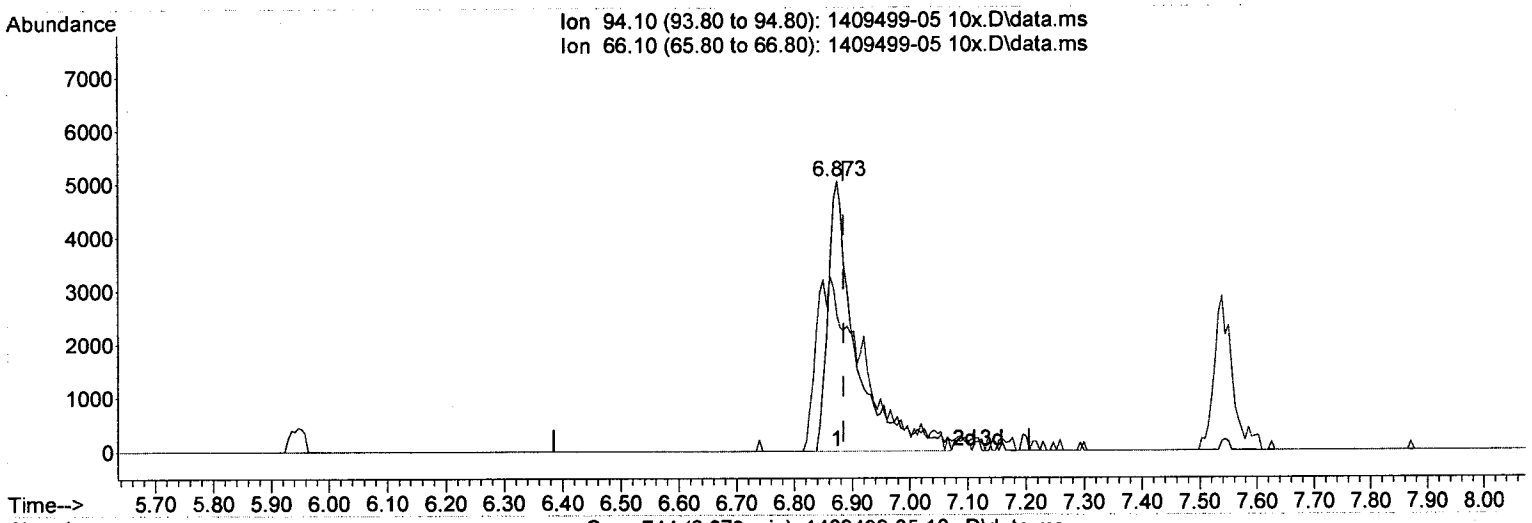
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.538	152	414224	5.00 ng/uL	#-0.04
8) Naphthalene-d8	10.289	136	1751974	5.00 ng/uL	0.00
11) Acenaphthene-d10	14.398	164	915483	5.00 ng/uL	0.00
16) Phenanthrene-d10	17.831	188	1502221	5.00 ng/uL	0.00
19) Chrysene-d12	21.468	240	1204435	5.00 ng/uL	# 0.00
22) Perylene-d12	23.124	264	845579	5.00 ng/uL	# 0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.	
3) Pyridine	2.904	79	179	0.00 ng/uL#	14
4) Aniline	6.902	93	13823	0.08 ng/uL#	86
5) Benzaldehyde	6.699	105	1578	0.02 ng/uL#	1
6) Acetophenone	8.424	105	522	0.00 ng/uL#	30
7) N-Nitroso-di-n-propyla...	8.709	70	10376	0.13 ng/uL#	2
9) 4-Chloroaniline	0.000		0	N.D.	
10) Caprolactam	11.326	55	1801	0.13 ng/uL#	21
12) 1,1'-Biphenyl	13.075	154	55	0.00 ng/uL#	40
13) 2-Nitroaniline	0.000		0	N.D.	
14) 3-Nitroaniline	14.398	138	120	Below Cal #	1
15) 4-Nitroaniline	15.820	138	63	Below Cal #	1
17) N-Nitroso-diphenylamine	16.071	169	124	0.00 ng/uL#	37
18) Atrazine	0.000		0	N.D.	
20) Benzidine	20.005	184	121	0.41 ng/uL#	71
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.	

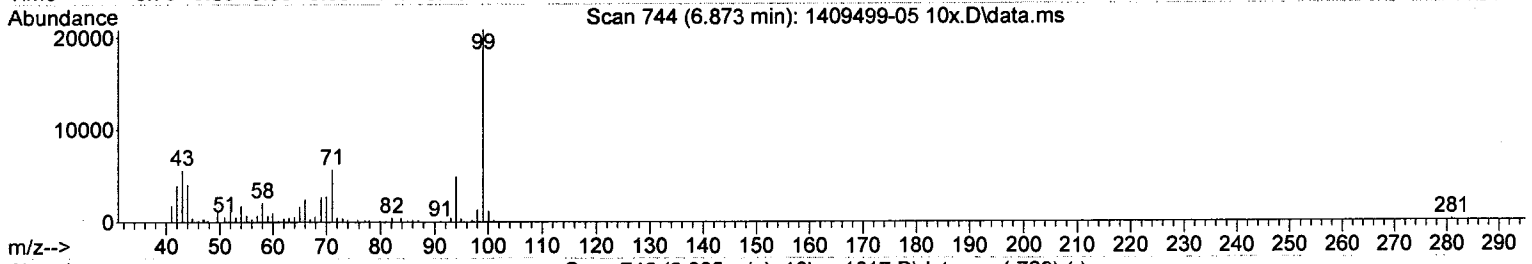
(#) = qualifier out of range (m) = manual integration (+) = signals summed

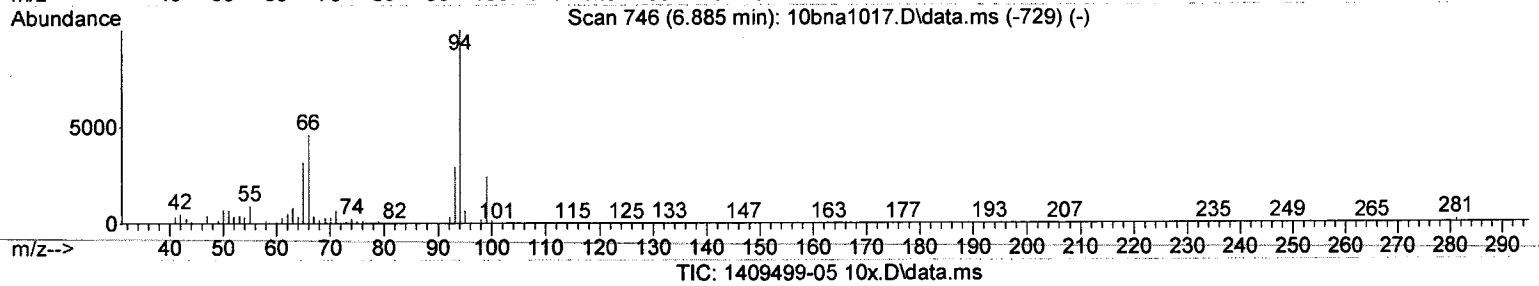
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-05 10x.D
Acq On : 17 Oct 2014 13:13
Operator : JLB
Sample : 1409499-05 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 14:07:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1409499-05 10x.D\data.ms

(7) Phenol (C)

6.873min (-0.012) 0.12 ng/uL

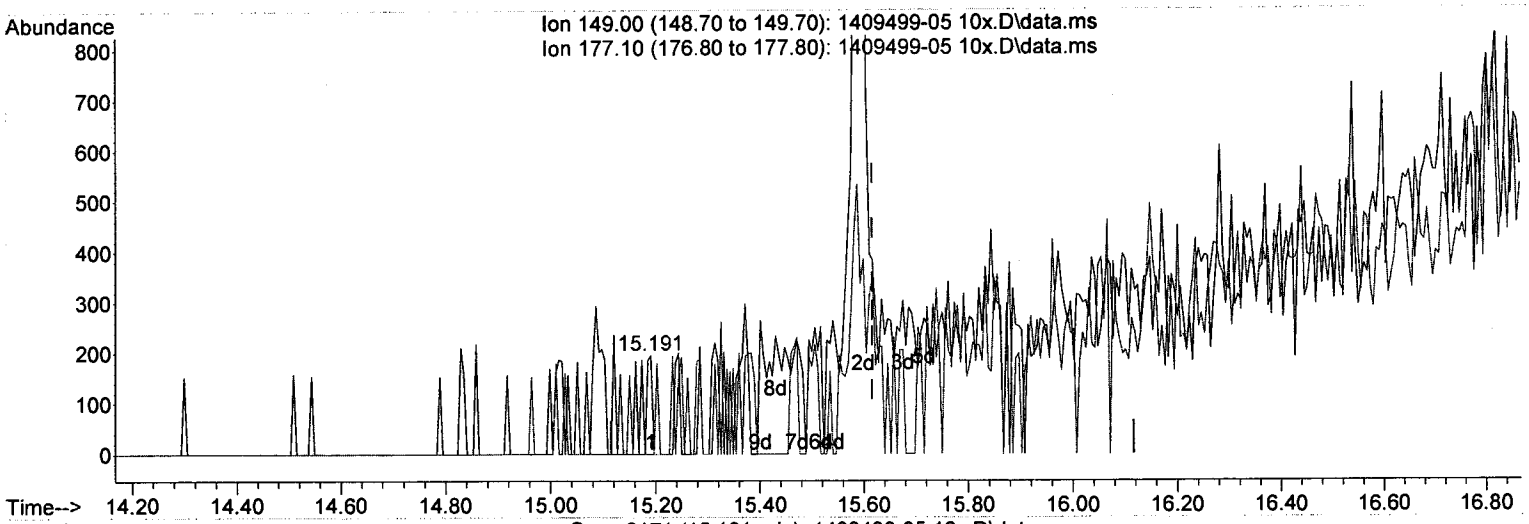
response 16955

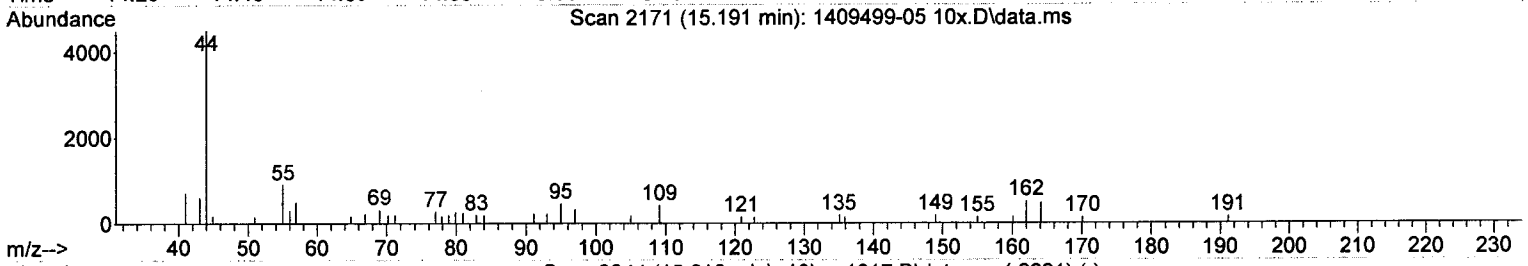
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	107.87#
0.00	0.00	0.00
0.00	0.00	0.00

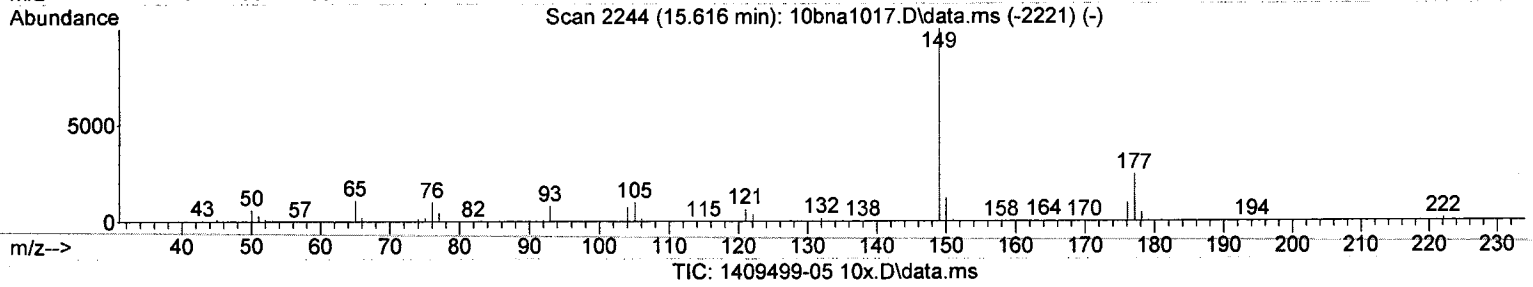
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-05 10x.D
Acq On : 17 Oct 2014 13:13
Operator : JLB
Sample : 1409499-05 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 14:07:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1409499-05 10x.D\data.ms

(63) Diethyl Phthalate

15.191min (-0.425) 0.00 ng/uL

response 260

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	24.23
0.00	0.00	0.00
0.00	0.00	0.00

JWB 10/17/14

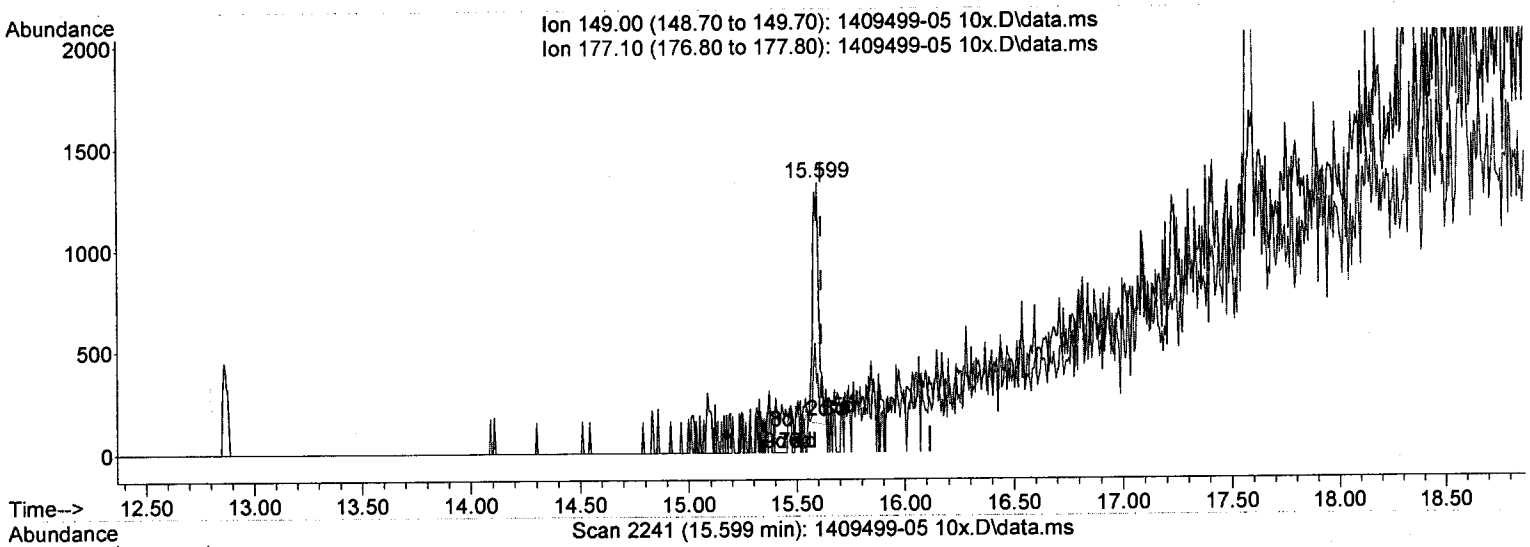
DWO 10-17-14

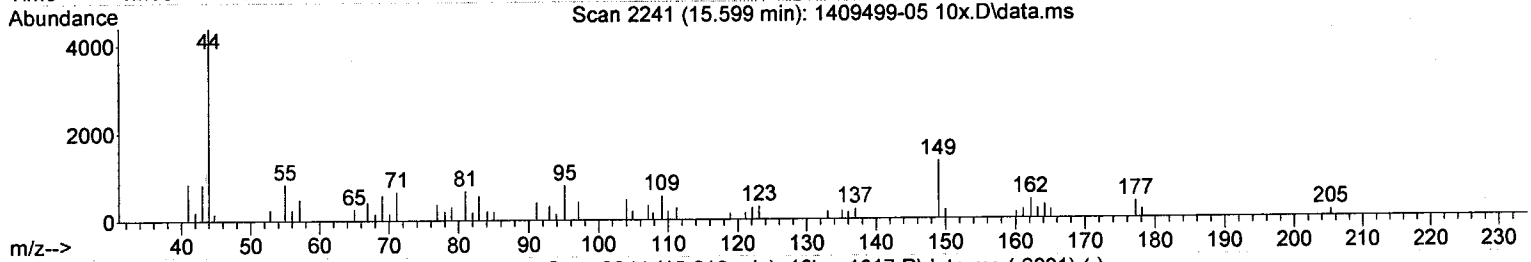
003093

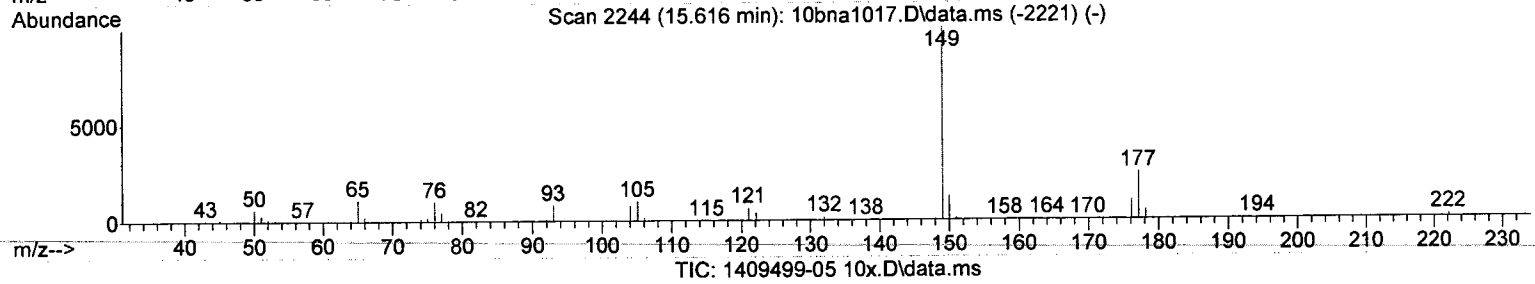
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-05 10x.D
Acq On : 17 Oct 2014 13:13
Operator : JLB
Sample : 1409499-05 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 14:07:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1409499-05 10x.D\data.ms

(63) Diethyl Phthalate

15.599min (-0.017) 0.01 ng/uL m

response 2379

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	2.65#
0.00	0.00	0.00
0.00	0.00	0.00

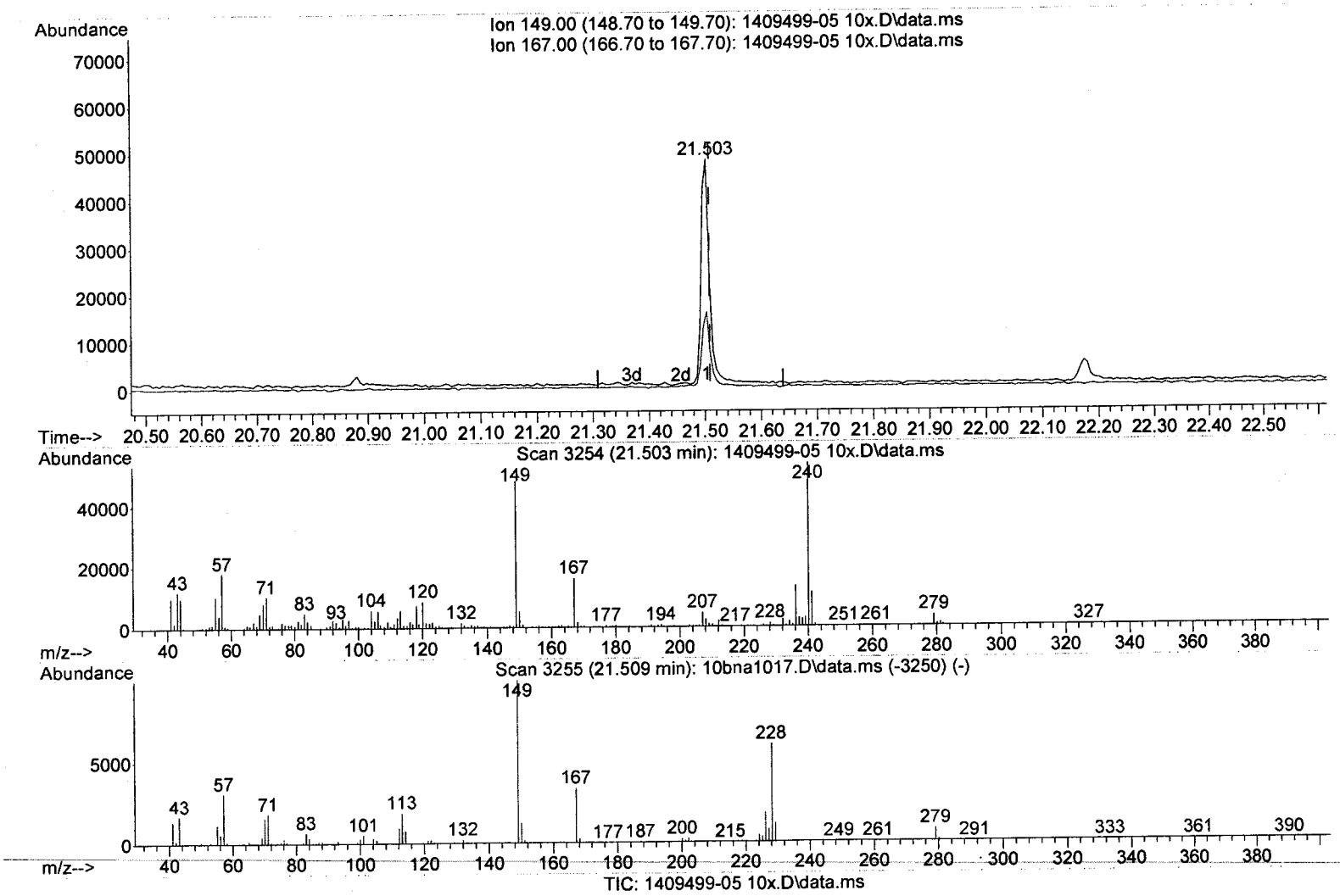
Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes / No
Analyst: JLB Date: 10/17/14
Reviewed By: DMF Date: 10-17-14

EMDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-05 10x.D
Acq On : 17 Oct 2014 13:13
Operator : JLB
Sample : 1409499-05 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 14:07:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.503min (-0.006) 0.35 ng/uL

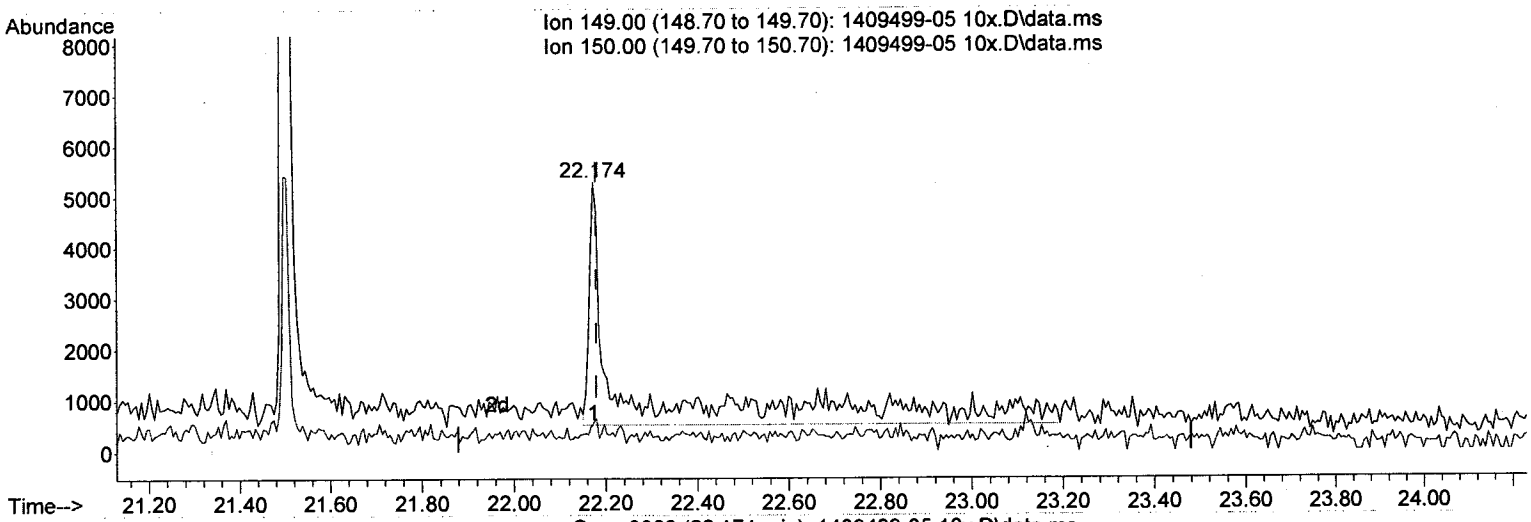
response 50456

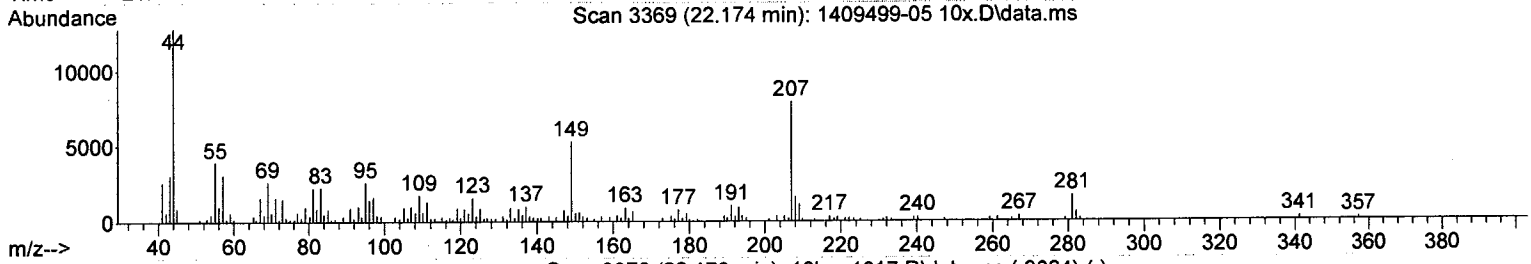
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	35.21#
0.00	0.00	0.00
0.00	0.00	0.00

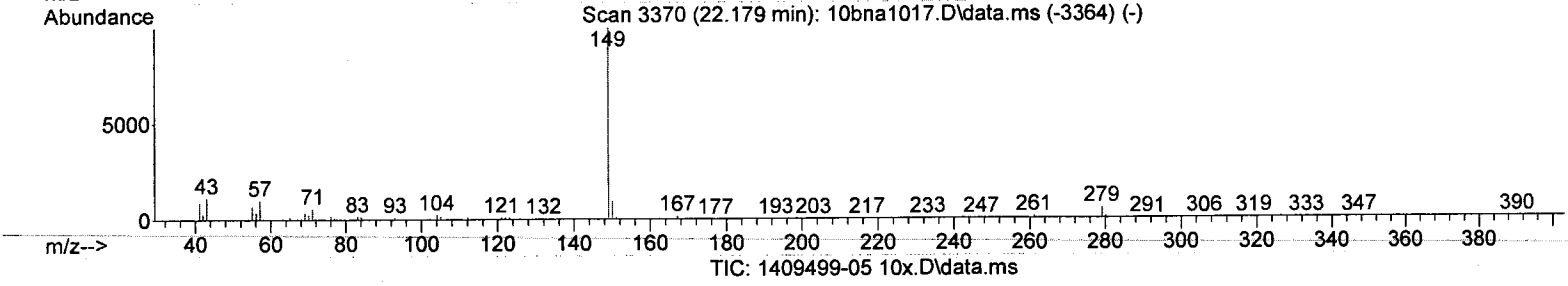
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-05 10x.D
Acq On : 17 Oct 2014 13:13
Operator : JLB
Sample : 1409499-05 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 14:07:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1409499-05 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.174min (-0.006) 0.44 ng/uL

response 26838

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.64#
0.00	0.00	0.00
0.00	0.00	0.00

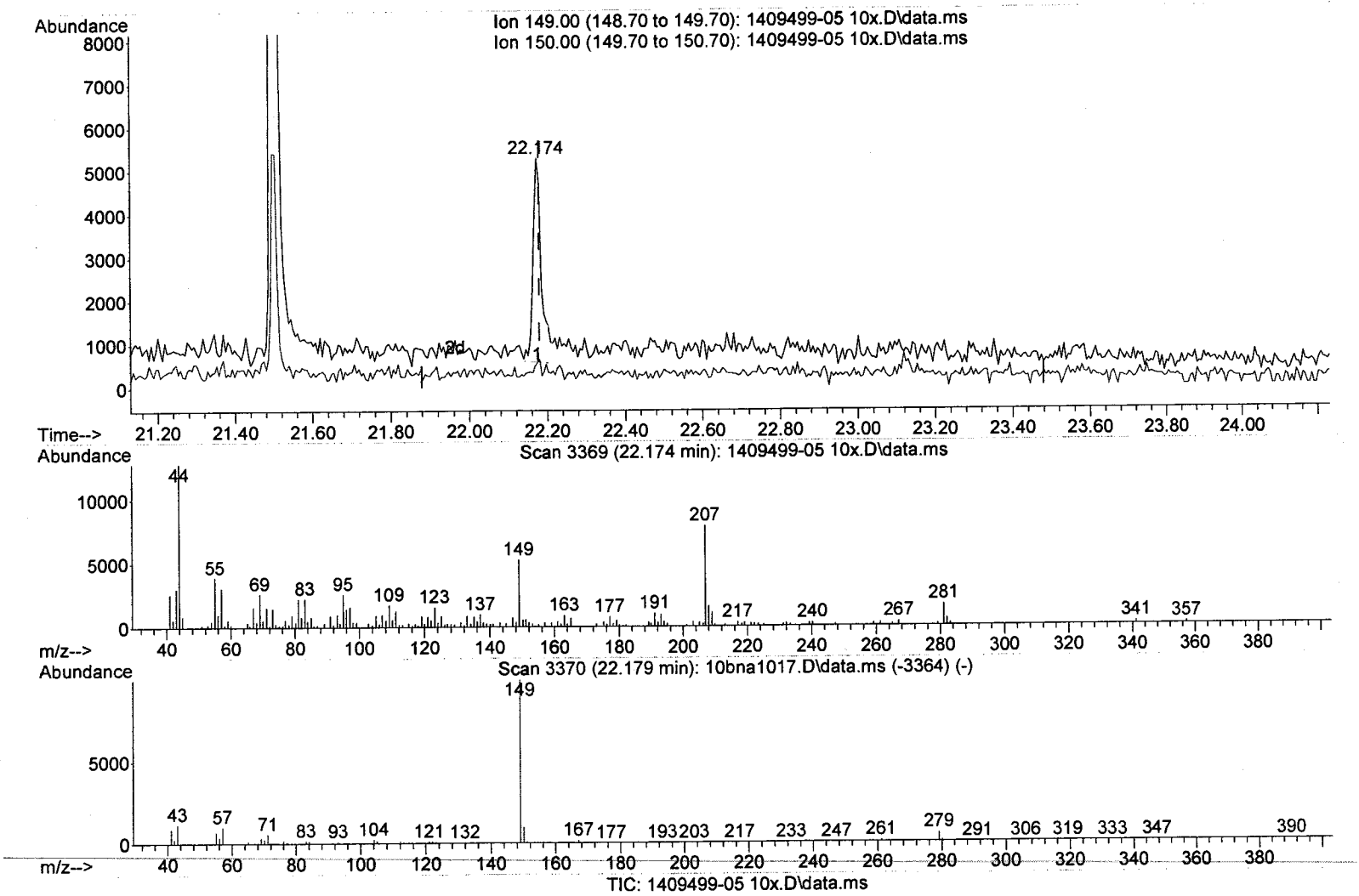
DWS 10-17-14

JWS 10/17/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-05 10x.D
Acq On : 17 Oct 2014 13:13
Operator : JLB
Sample : 1409499-05 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 14:07:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.174min (-0.006) 0.37 ng/uL m

response 6825

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	6.46#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/17/14

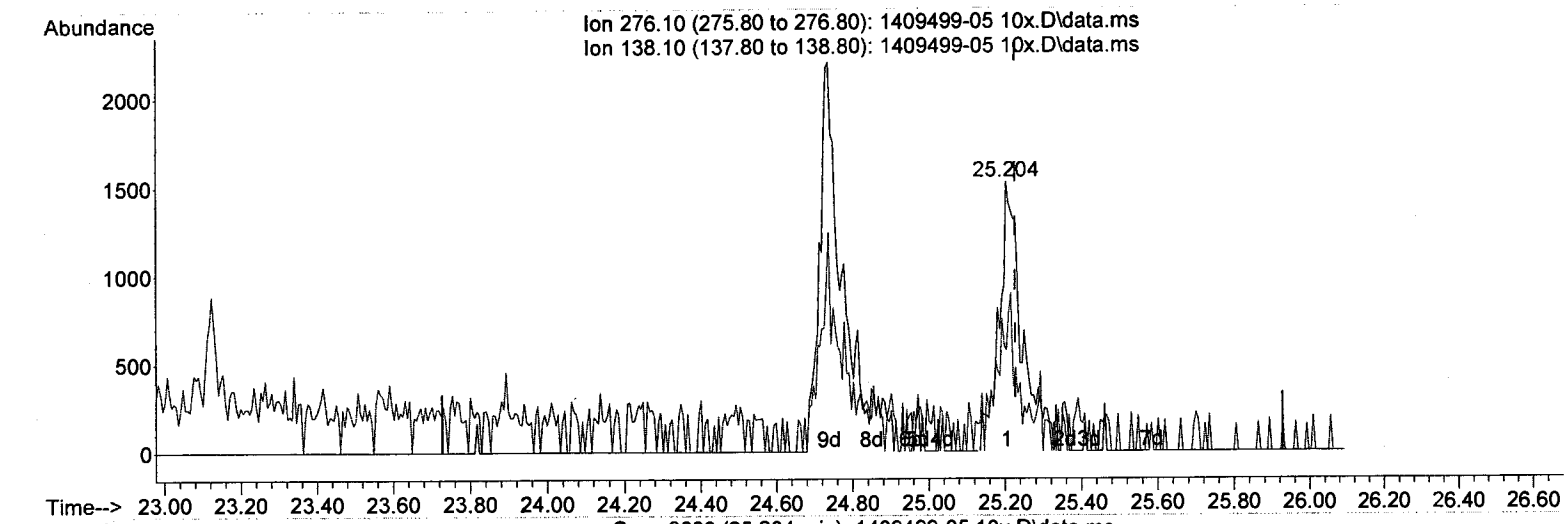
Reviewed By: DJS Date: 10-17-14

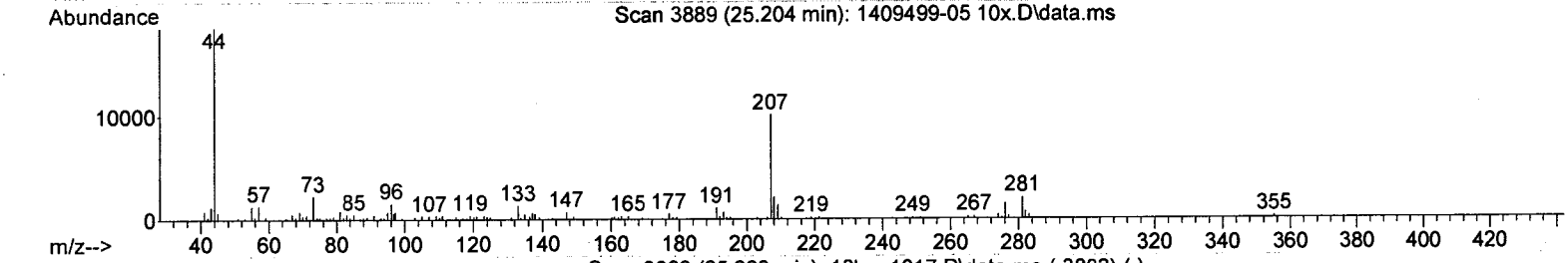
10/17/14

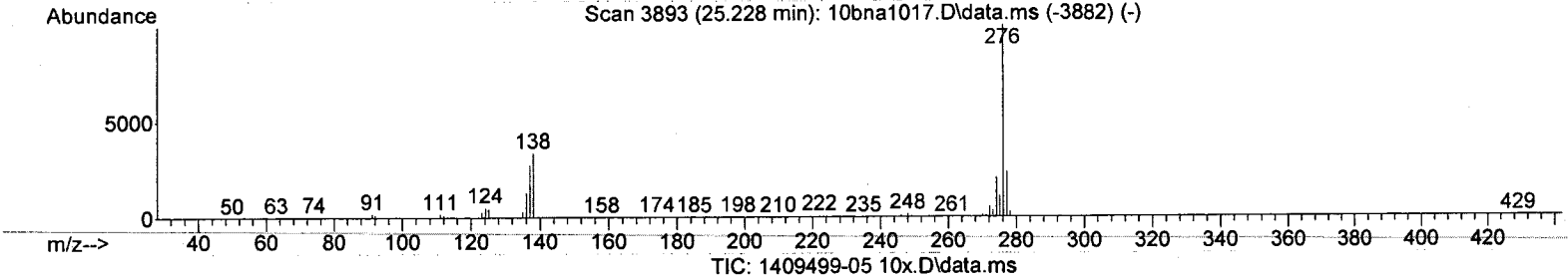
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-05 10x.D
Acq On : 17 Oct 2014 13:13
Operator : JLB
Sample : 1409499-05 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 14:07:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1409499-05 10x.D\data.ms

(95) Benzo(g,h,i)Perylene

25.204min (-0.023) 0.06 ng/uL

response 6324

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	45.84#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16GW29-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409499-06
File ID: 1409499-06.D
Sampled: 09/26/14 10:55
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 10:57
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 960 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09008
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	0.10	0.033	0.10	0.50	U
208-96-8	Acenaphthylene	1	0.050	0.017	0.050	0.50	U
120-12-7	Anthracene	1	0.20	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	1	0.10	0.045	0.10	0.50	U
50-32-8	Benzo(a)pyrene	1	0.10	0.040	0.10	0.50	U
205-99-2	Benzo(b)fluoranthene	1	0.20	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	1	0.20	0.060	0.20	0.50	U
191-24-2	Benzo(g,h,i)perylene	1	0.20	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	1	2.7	0.48	2.0	5.0	J
100-51-6	Benzyl Alcohol	1	0.10	0.049	0.10	0.50	U
101-55-3	4-Bromophenyl Phenyl Ether	1	0.10	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	1	0.10	0.056	0.20	1.0	J
86-74-8	Carbazole	1	0.20	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	1	0.25	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	1	0.25	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	1	0.050	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	1	0.050	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	0.10	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	1	0.050	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	1	0.10	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	0.10	0.048	0.10	0.50	U
218-01-9	Chrysene	1	0.10	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	1	0.25	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	1	0.10	0.041	0.10	0.50	U
84-74-2	Di-n-butyl Phthalate	1	0.47	0.14	1.0	1.0	J
106-46-7	1,4-Dichlorobenzene	1	0.050	0.020	0.050	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.10	0.040	0.10	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.10	0.041	0.10	0.50	U
91-94-1	3,3´-Dichlorobenzidine	1	0.50	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	1	0.20	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	1	0.15	0.065	0.25	0.50	J
105-67-9	2,4-Dimethylphenol	1	0.50	0.17	0.50	1.0	U
131-11-3	Dimethyl Phthalate	1	0.073	0.046	0.10	0.50	J
534-52-1	4,6-Dinitro-2-methylphenol	1	4.0	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	1	5.0	1.2	5.0	5.0	U
606-20-2	2,6-Dinitrotoluene	1	0.20	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	1	0.10	0.048	0.10	0.50	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16GW29-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409499-06
File ID: 1409499-06.D
Sampled: 09/26/14 10:55
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 10:57
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 960 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09008
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	0.20	0.077	0.20	0.50	U
122-66-7	1,2-Diphenylhydrazine	1	0.10	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	41	0.11	0.50	0.50	E
206-44-0	Fluoranthene	1	0.20	0.063	0.20	0.50	U
86-73-7	Fluorene	1	0.10	0.041	0.10	0.50	U
118-74-1	Hexachlorobenzene	1	0.20	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	1	0.10	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	1	0.10	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.25	0.080	0.25	0.50	U
78-59-1	Isophorone	1	0.10	0.045	0.10	0.50	U
91-57-6	2-Methylnaphthalene	1	0.083	0.015	0.050	0.50	J
108-39-4	3+4-Methylphenol	1	0.20	0.057	0.20	5.0	U
95-48-7	2-Methylphenol	1	0.20	0.048	0.20	0.50	U
91-20-3	Naphthalene	1	0.11	0.031	0.10	0.50	J
100-01-6	4-Nitroaniline	1	1.0	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	1	0.50	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	1	0.50	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	1	0.20	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	1	0.20	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	1	5.0	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	1	0.10	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	1	0.20	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	1	0.20	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	1	0.50	0.13	0.50	0.50	U
85-01-8	Phenanthrene	1	0.052	0.043	0.10	0.50	J
108-95-2	Phenol	1	0.10	0.034	0.10	0.50	U
129-00-0	Pyrene	1	0.20	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.10	0.027	0.10	0.50	U
95-95-4	2,4,5-Trichlorophenol	1	0.25	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	1	0.25	0.085	0.25	0.50	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	20.8	10.5	50	19 - 119	
Phenol-d6	20.8	6.94	33	18 - 45	
Nitrobenzene-d5	10.4	8.35	80	44 - 120	
2-Fluorobiphenyl	10.4	8.40	81	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16GW29-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409499-06
File ID: 1409499-06.D
Sampled: 09/26/14 10:55
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 10:57
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 960 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09008
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	20.8	19.0	91	43 - 140	
o-Terphenyl	10.4	9.75	94	42 - 125	

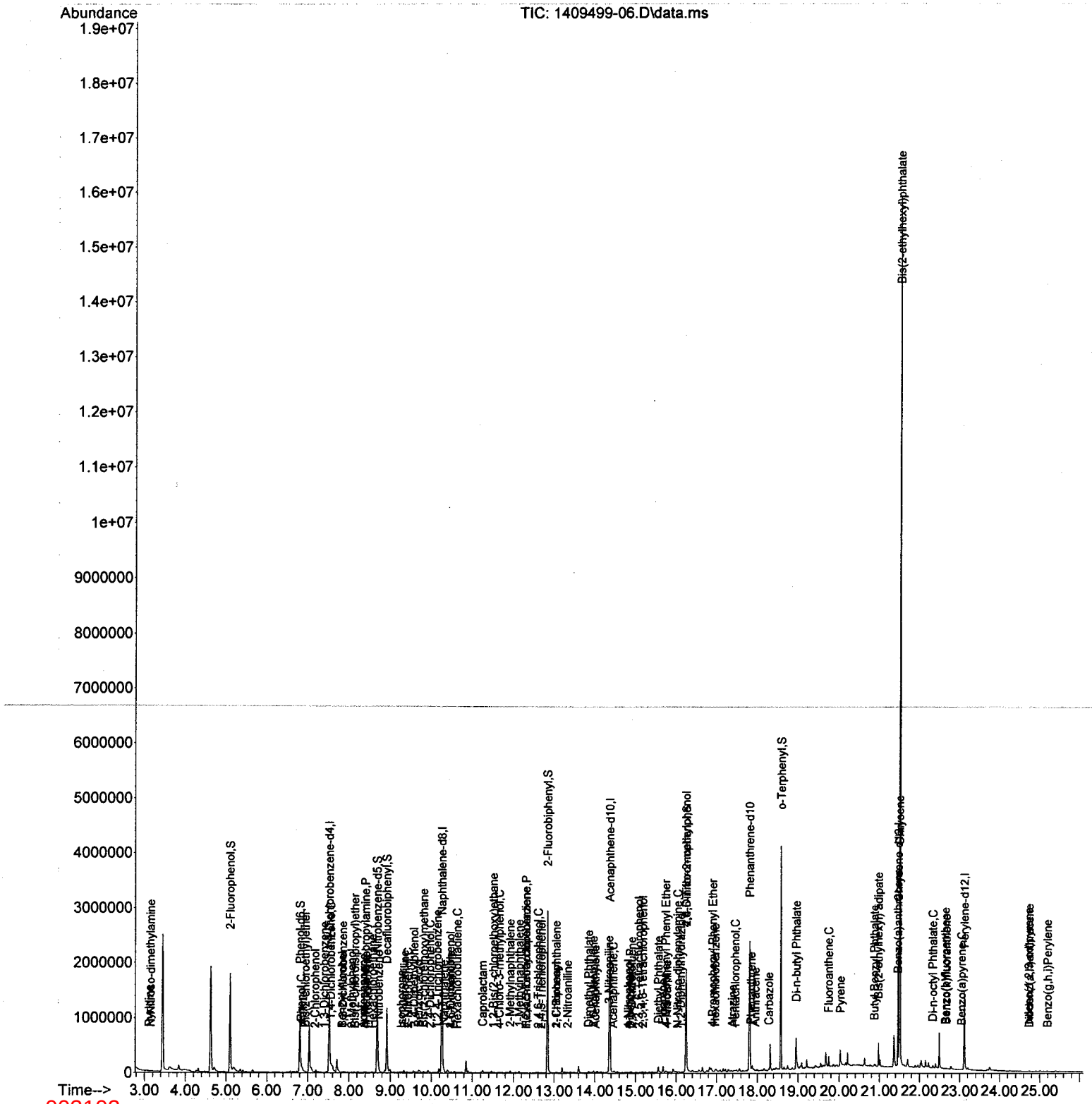
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	460380	7.521	403279	7.614	
Naphthalene-d8	1744008	10.26	1529030	10.359	
Acenaphthene-d10	971154	14.369	866604	14.474	
Phenanthrene-d10	1361185	17.808	1400442	17.901	
Chrysene-d12	970201	21.469	1153654	21.538	
Perylene-d12	796990	23.118	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.521	152	460380	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.260	136	1744008	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.369	164	971154	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.808	188	1361185	5.00	ng/uL	0.00
81) Chrysene-d12	21.469	240	970201	5.00	ng/uL	# 0.00
89) Perylene-d12	23.118	264	796990	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.102	112	1058391	10.06	ng/uL	0.00
6) Phenol-d6	6.809	99	906631	6.66	ng/uL	-0.02
21) Nitrobenzene-d5	8.686	82	894570	8.02	ng/uL	-0.01
23) Decafluorobiphenyl	8.914	334	512922	6.56	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.836	172	1617192	8.06	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.252	330	377333	18.28	ng/uL	0.00
78) o-Terphenyl	18.583	230	1092073	9.36	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.149	74	727	0.01	ng/uL	91
3) Pyridine	3.114	79	133	0.00	ng/uL#	14
5) Aniline	6.879	93	1964	0.24	ng/uL#	33
7) Phenol	6.839	94	7589	0.05	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.938	93	850	0.01	ng/uL	93
9) 2-Chlorophenol	7.171	128	130	0.00	ng/uL#	1
10) 1,3-Dichlorobenzene	7.398	146	1549	0.01	ng/uL#	83
11) 1,4-Dichlorobenzene	7.556	146	1565	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.853	146	1530	0.01	ng/uL#	44
13) Bis(2-chloroisipropyl)...	8.144	45	3777	0.02	ng/uL#	72
14) Benzyl Alcohol	7.835	108	3244	0.04	ng/uL	87
15) 2-Methylphenol	8.068	108	2039	0.02	ng/uL#	56
16) Acetophenone	8.354	105	9342	0.06	ng/uL#	58
17) Hexachloroethane	8.570	119	8014	~~0.16~~	ng/uL#	14
18) 4-Methylphenol	8.412	108	2459	0.02	ng/uL#	43
19) N-Nitroso-di-n-propyla...	8.401	70	3944	0.05	ng/uL	95
22) Nitrobenzene	8.715	77	2620	0.02	ng/uL#	57
24) Isophorone	9.269	82	6883	0.03	ng/uL	93
25) 2-Chloroaniline	9.351	127	2198	0.02	ng/uL#	68
26) 2-Nitrophenol	9.427	139	875	0.02	ng/uL#	66
27) 2,4-Dimethylphenol	9.578	107	2185	0.02	ng/uL	91
28) Bis(2-chlorethoxy)methane	9.811	93	2699	~~0.02~~	ng/uL	84
29) 2,4-Dichlorophenol	9.963	162	1297	0.01	ng/uL#	57
30) Benzoic Acid	9.683	105	13633	2.60	ng/uL	97
31) 1,2,4-Trichlorobenzene	10.143	180	1714	0.02	ng/uL	87
32) Naphthalene	10.307	128	37117	0.11	ng/uL	98
33) 4-Chloroaniline	10.476	127	1218	0.01	ng/uL#	15
34) 2,6-Dichlorophenol	10.470	162	1591	0.02	ng/uL	94
35) Hexachlorobutadiene	10.633	225	1094	0.02	ng/uL#	79
36) Caprolactam	11.251	55	13981	0.28	ng/uL#	48
37) 1,2-Bis(2-chloroethoxy...	11.513	63	152	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.653	107	1990	0.02	ng/uL#	15
39) 2-Methylnaphthalene	11.921	142	17468	0.08	ng/uL	97
40) 1-Methylnaphthalene	12.143	142	12635	0.06	ng/uL	95
41) 1,3 Dinitrobenzene	13.856	168	54	Below Cal		100

003103

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.312	216	1627	0.02	ng/uL	98
44) Hexachlorocyclopentadiene	12.312	237	388	0.01	ng/uL#	64
45) 2,4,6-Trichlorophenol	12.609	196	1005	0.02	ng/uL	91
46) 2,4,5-Trichlorophenol	12.679	196	662	0.01	ng/uL	89
48) 2-Chloronaphthalene	13.052	162	3863	0.02	ng/uL#	83
49) 1,1'-Biphenyl	13.052	154	4934	0.02	ng/uL	93
50) 2-Nitroaniline	13.332	138	790	0.01	ng/uL#	11
51) Acenaphthylene	14.014	152	5973	0.02	ng/uL	92
52) 2,6-Dinitrotoluene	13.967	165	2369	0.05	ng/uL#	46
53) Dimethyl Phthalate	13.850	163	13662	0.07	ng/uL#	86
54) 3-Nitroaniline	14.346	138	232	0.01	ng/uL#	56
55) Acenaphthene	14.445	153	5369	0.03	ng/uL	96
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.865	168	6107	0.02	ng/uL	93
58) 4-Nitrophenol	14.824	65	443	0.01	ng/uL#	17
59) 2,4-Dinitrotoluene	14.905	165	958	0.02	ng/uL#	69
60) 2,3,5,6-Tetrachlorophenol	15.080	232	590	0.01	ng/uL#	41
61) 2,3,4,6-Tetrachlorophenol	15.179	232	474	0.01	ng/uL#	2
62) Fluorene	15.675	166	5687	0.03	ng/uL#	85
63) Diethyl Phthalate	15.564	149	28489	0.14	ng/uL	95
64) 4-Chlorophenyl Phenyl ...	15.745	204	1838	0.02	ng/uL#	16
65) 4-Nitroaniline	15.774	138	415	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.246	198	967	1.01	ng/uL#	1
68) N-Nitroso-diphenylamine	16.036	169	4334	0.03	ng/uL#	88
69) 1,2-Diphenylhydrazine	16.112	182	1471	0.03	ng/uL	98
71) 4-Bromophenyl Phenyl E...	16.905	248	1027	0.02	ng/uL	97
72) Hexachlorobenzene	16.963	284	1259	0.03	ng/uL#	78
73) Atrazine	17.388	200	56	0.00	ng/uL#	25
74) Pentachlorophenol	17.458	266	848	0.03	ng/uL#	21
75) Phenanthrene	17.849	178	12385	0.05	ng/uL#	92
76) Anthracene	17.948	178	6369	0.03	ng/uL#	95
77) Carbazole	18.280	167	5868	0.03	ng/uL#	78
79) Di-n-butyl Phthalate	18.962	149	118454	0.45	ng/uL	97
80) Fluoroanthene	19.743	202	10646	0.04	ng/uL	93
82) Pyrene	20.035	202	10879	0.05	ng/uL#	34
83) Butyl Benzyl Phthalate	20.874	149	9110	0.10	ng/uL	87
84) Bis(2-ethylhexyl) adipate	20.973	129	73956	0.89	ng/uL#	100
85) Benzo(a)anthracene	21.457	228	6917	0.04	ng/uL#	22
86) Chrysene	21.498	228	4727	0.03	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.509	149	4605453	39.58	ng/uL	91
88) Di-n-octyl Phthalate	22.325	149	26085	0.46	ng/uL	99
90) Benzo(b)fluoroanthene	22.640	252	5284	0.04	ng/uL	96
91) Benzo(k)fluoranthene	22.669	252	4452	0.03	ng/uL	100
92) Benzo(a)pyrene	23.048	252	3459	0.03	ng/uL#	91
93) Indeno(1,2,3-cd)pyrene	24.721	276	4438	0.04	ng/uL	89
94) Dibdenz(a,h)anthracene	24.738	278	1498	0.02	ng/uL#	70
95) Benzo(g,h,i)Perylene	25.193	276	4079	0.04	ng/uL#	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

003104

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 13:56:01 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 13:53:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.521	152	451548	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.260	136	1744008	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.369	164	965808	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.808	188	1361185	5.00	ng/uL		0.00
19) Chrysene-d12	21.469	240	970201	5.00	ng/uL	#	0.00
22) Perylene-d12	23.118	264	796990	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.149	74	727	0.01	ng/uL	#	1
3) Pyridine	2.869	79	298	0.00	ng/uL		91
4) Aniline	6.879	93	1964	0.01	ng/uL	#	33
5) Benzaldehyde	6.681	105	9486	0.10	ng/uL	#	76
6) Acetophenone	8.354	105	9342	0.05	ng/uL	#	58
7) N-Nitroso-di-n-propyla...	8.401	70	3944	0.05	ng/uL		95
9) 4-Chloroaniline	10.307	127	4481	0.04	ng/uL		98
10) Caprolactam	11.251	55	9057	0.26	ng/uL	#	57
12) 1,1'-Biphenyl	13.052	154	4934	0.02	ng/uL		93
13) 2-Nitroaniline	13.332	138	790	0.02	ng/uL	#	11
14) 3-Nitroaniline	14.317	138	215	Below Cal		#	1
15) 4-Nitroaniline	15.774	138	415	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.036	169	4334	0.03	ng/uL	#	88
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.959	184	572	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.492	252	326	0.01	ng/uL		91

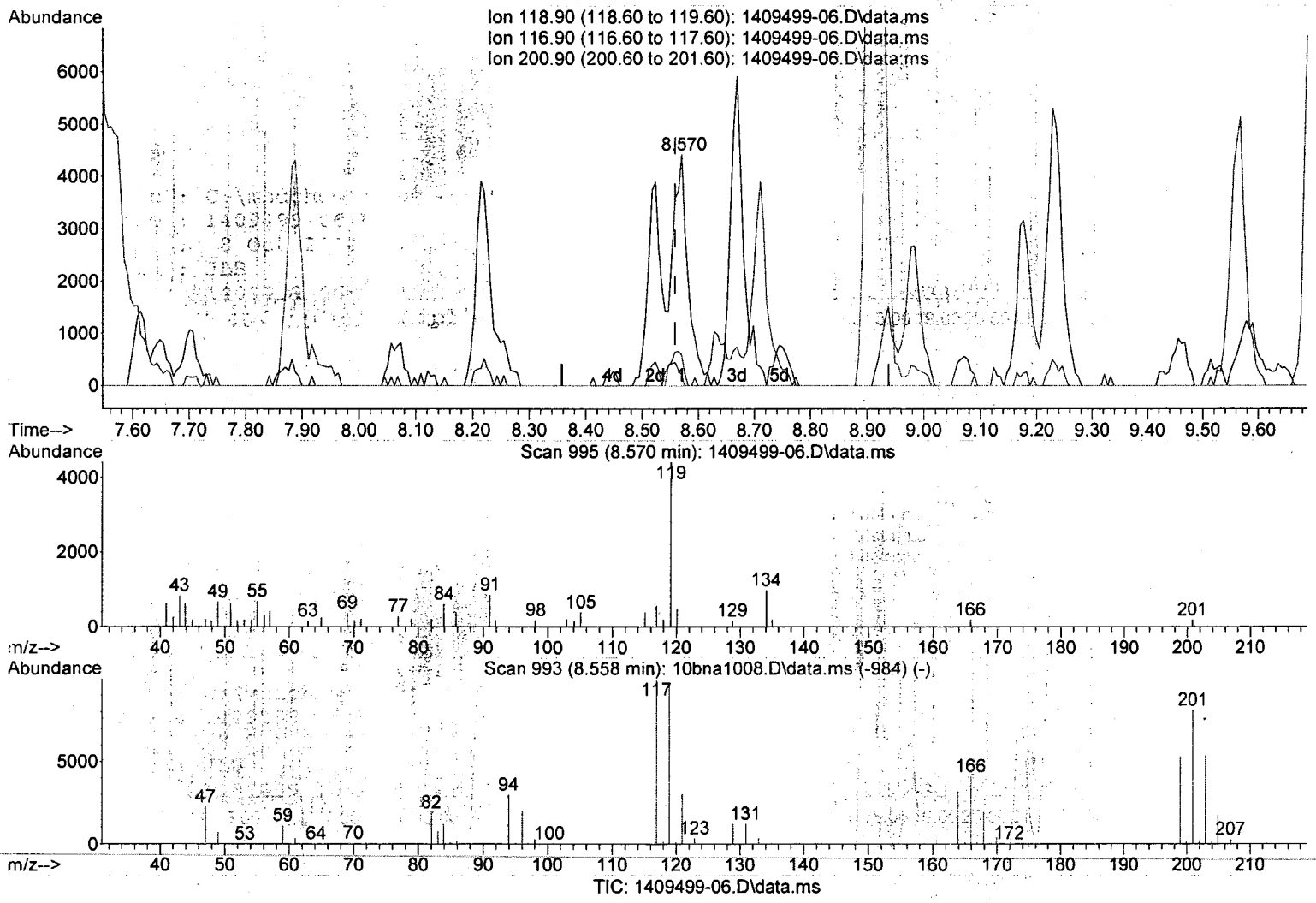
(#) = qualifier out of range (m) = manual integration (+) = signals summed

003105

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



TIC: 1409499-06.D\data.ms

(17) Hexachloroethane

8.570min (+ 0.012) 0.16 ng/uL

response 8014

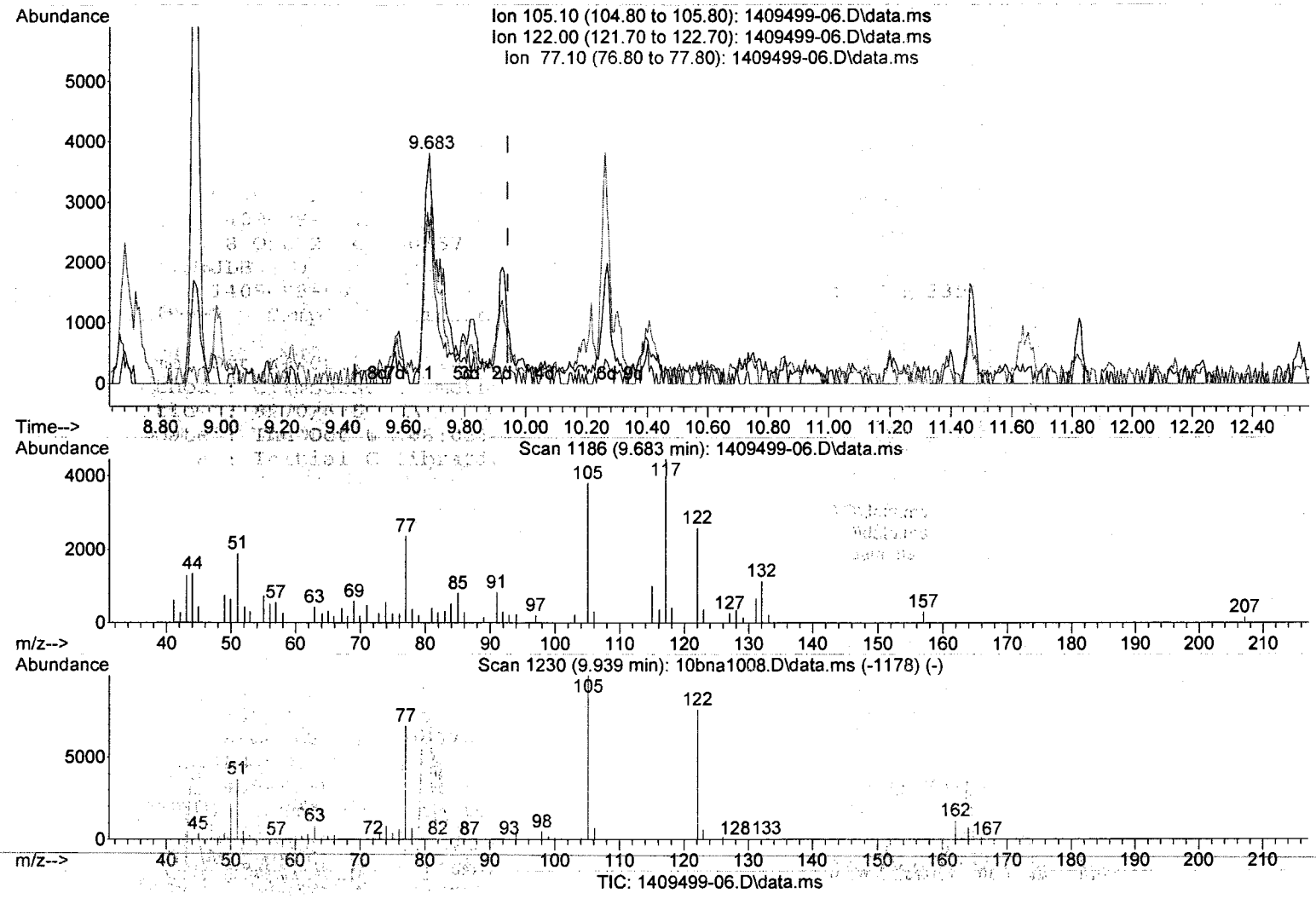
Ion	Exp%	Act%
118.90	100.00	100.00
116.90	100.10	13.98#
200.90	85.90	7.56#
0.00	0.00	0.00

003106

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.683min (-0.256) 2.60 ng/uL

response 13633

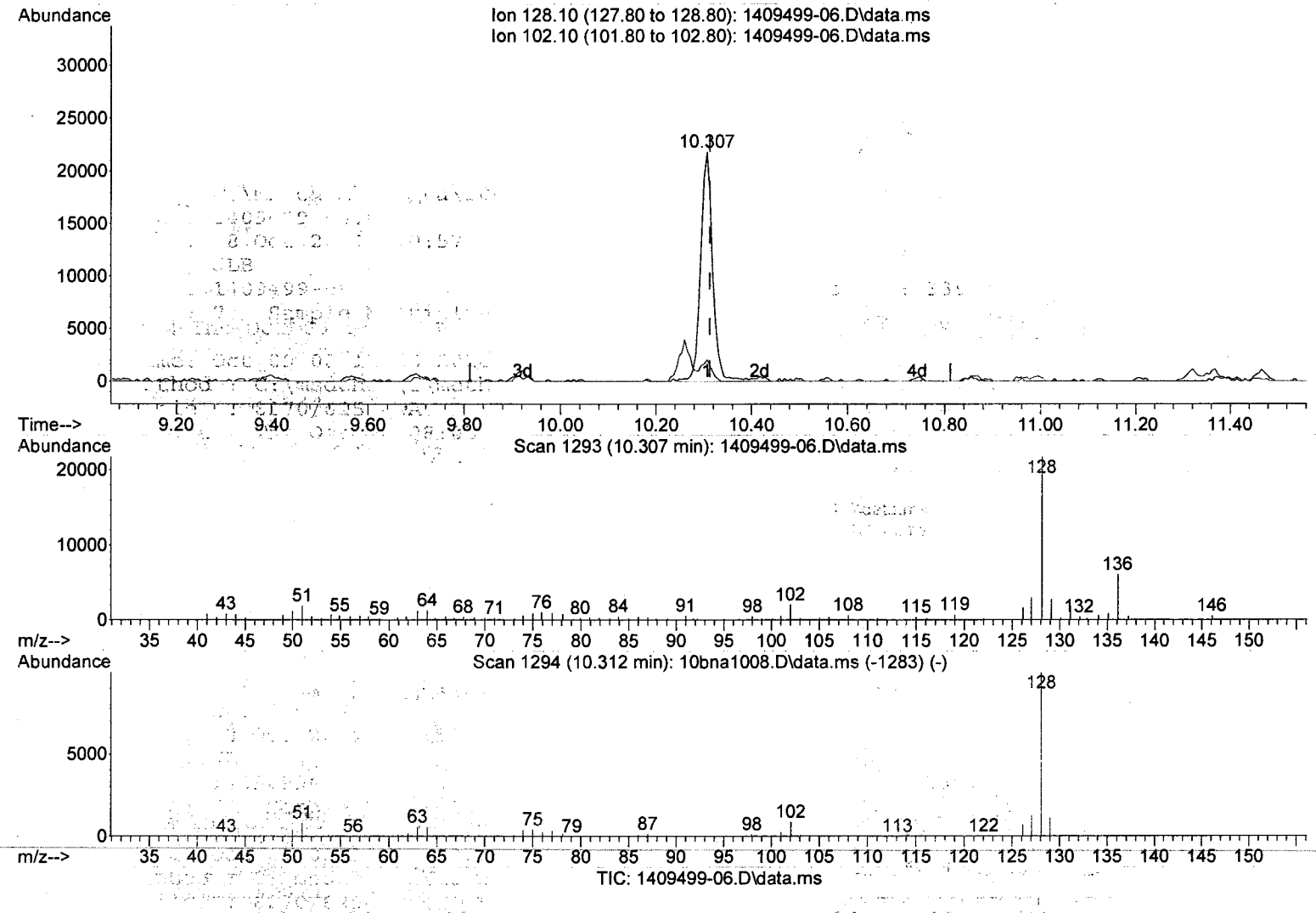
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	83.08
77.10	74.70	76.50
0.00	0.00	0.00

003107

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



TIC: 1409499-06.D\data.ms

(32) Naphthalene

10.307min (-0.006) 0.11 ng/uL

response 37117

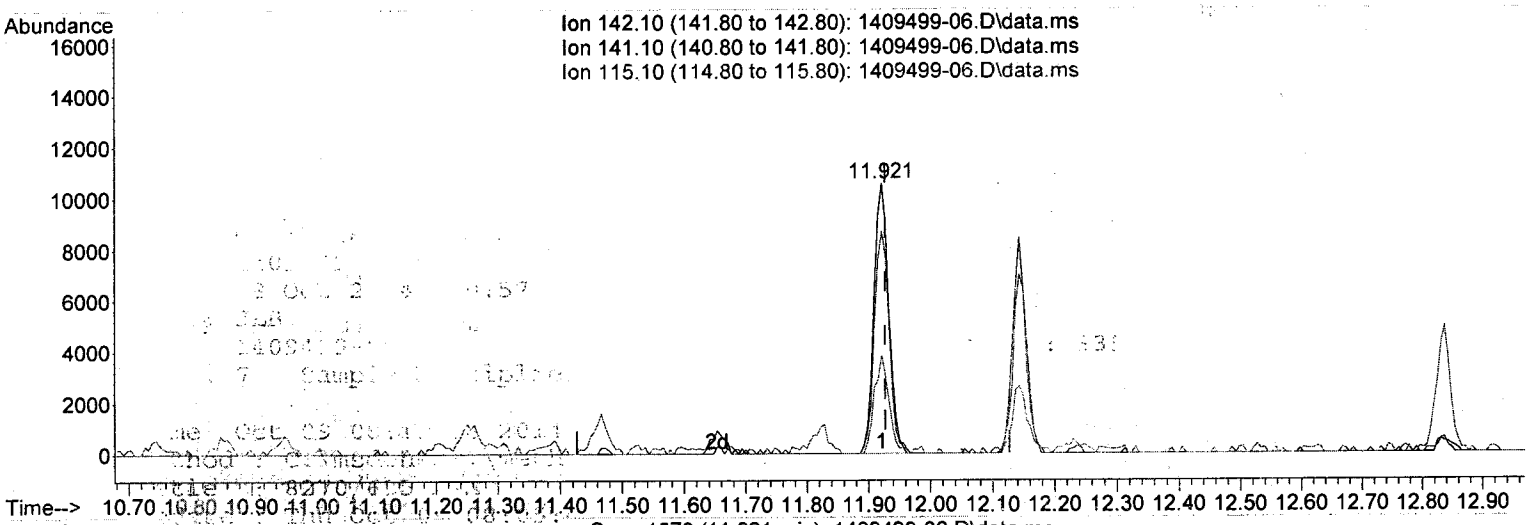
Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	8.71
0.00	0.00	0.00
0.00	0.00	0.00

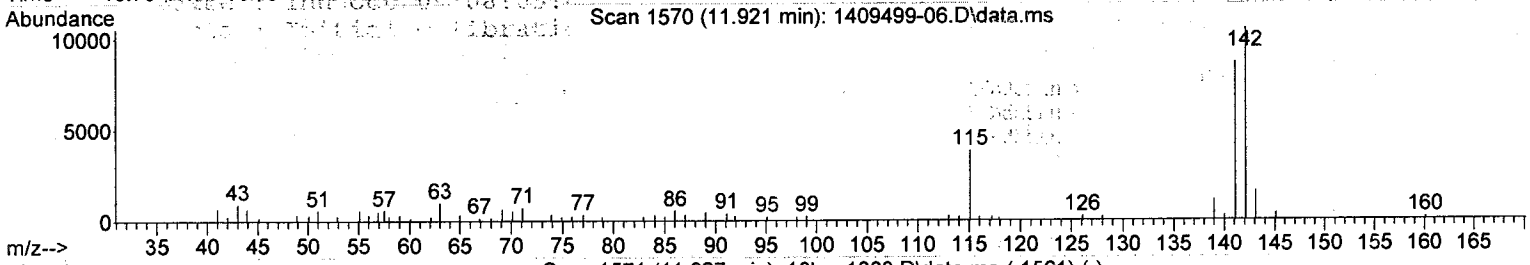
003108

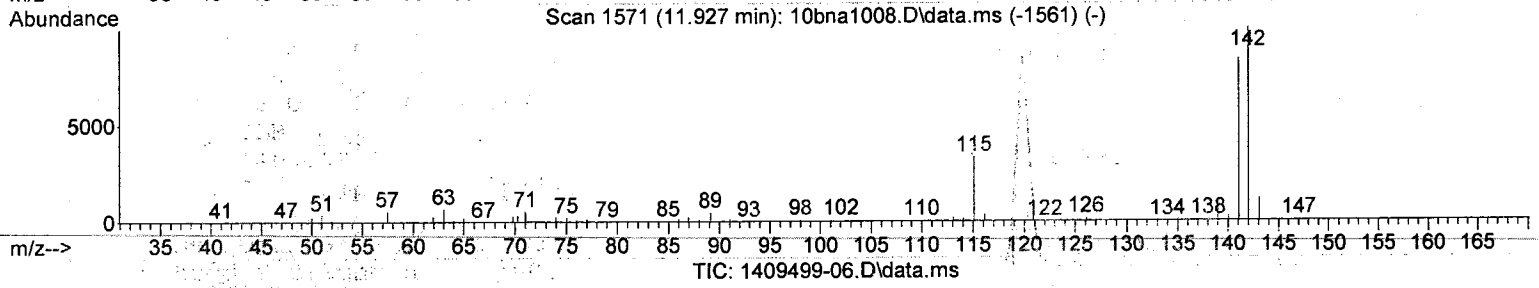
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration







TIC: 1409499-06.D\data.ms

(39) 2-Methylnaphthalene

11.921min (-0.006) 0.08 ng/uL

response 17468

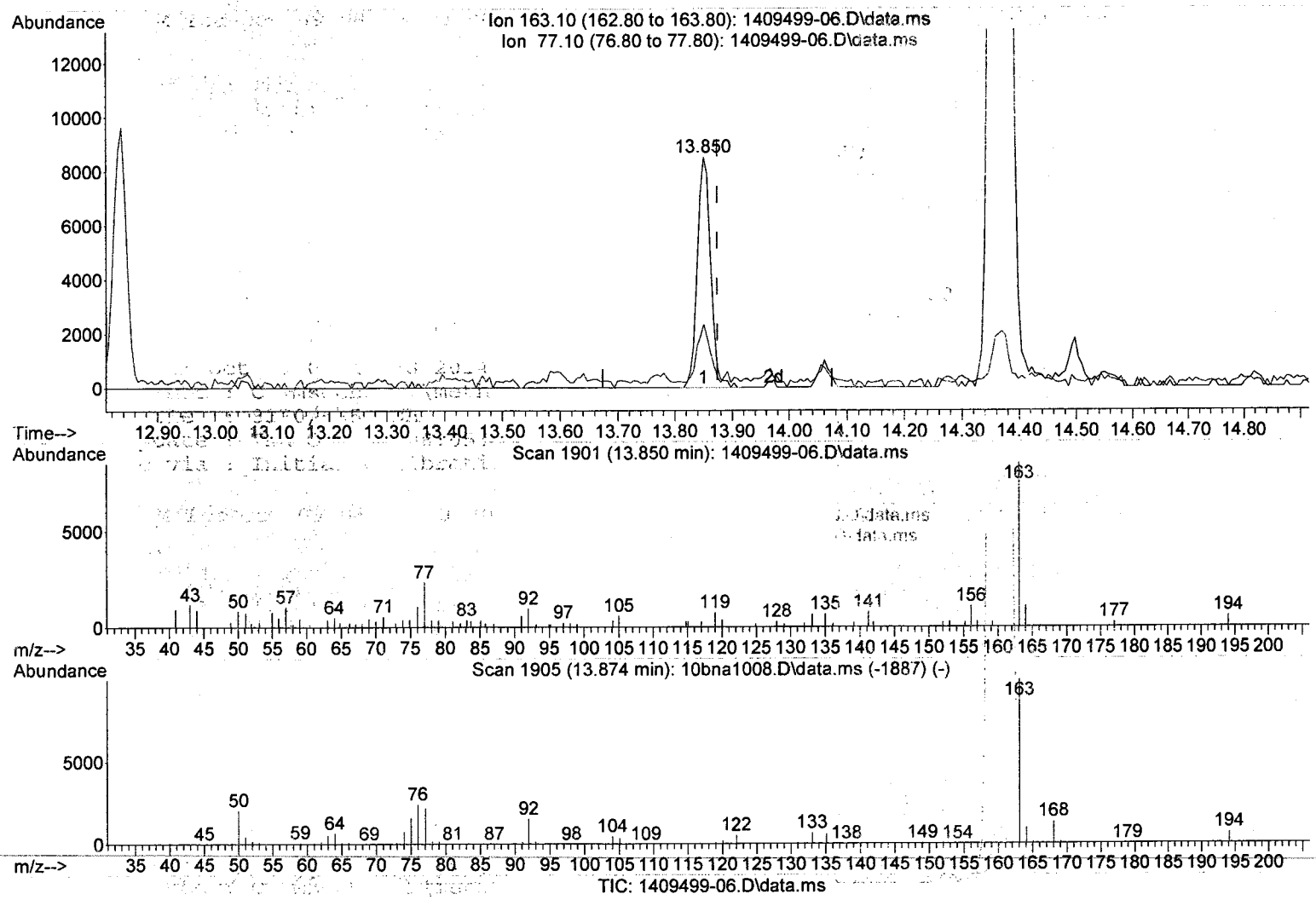
Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	82.81
115.10	33.50	35.76
0.00	0.00	0.00

003109

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



TIC: 1409499-06.D\data.ms

(53) Dimethyl Phthalate

13.850min (-0.023) 0.07 ng/uL

response 13662

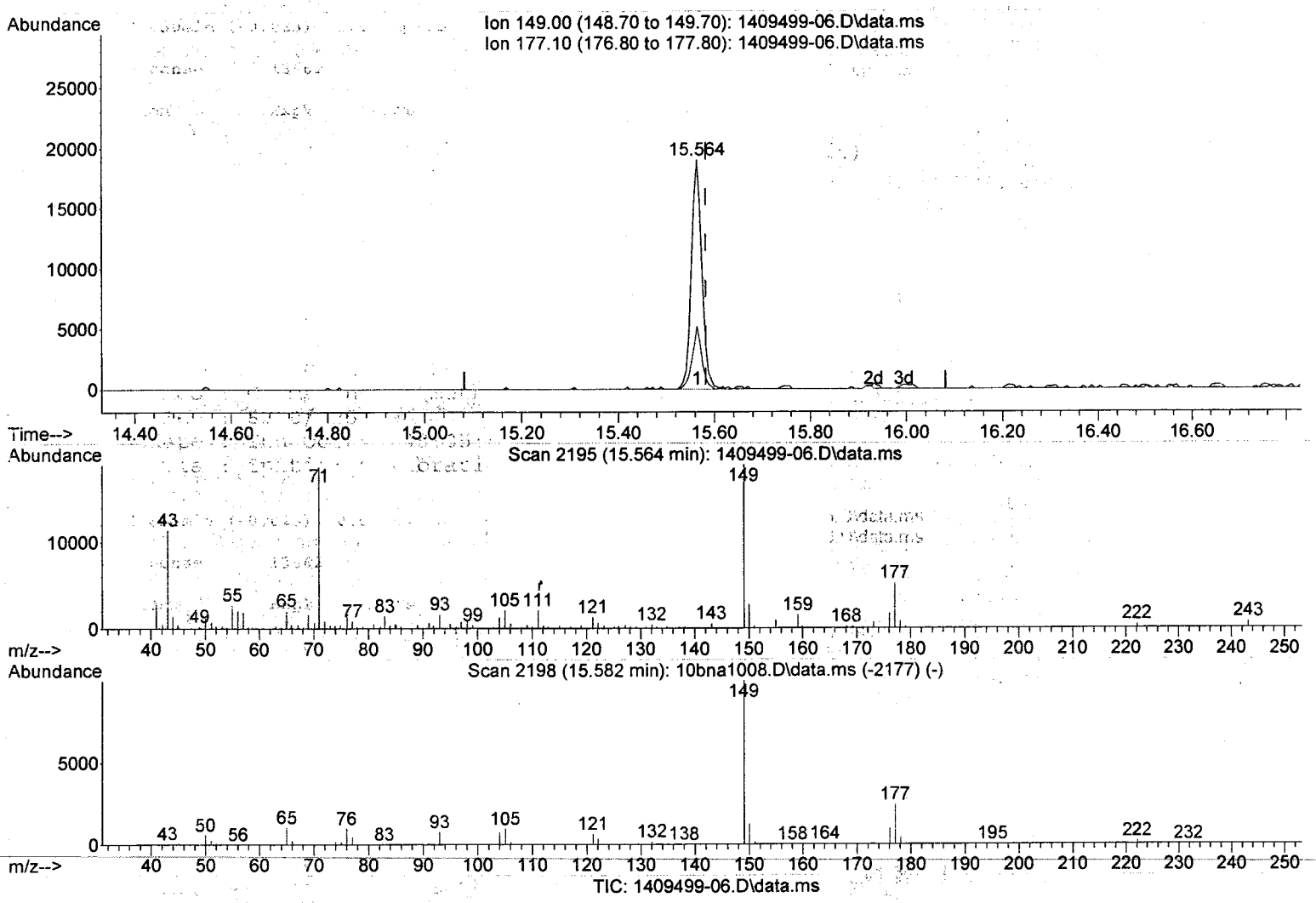
Ion	Exp%	Act%
163.10	100.00	100.00
77.10	22.60	29.11#
0.00	0.00	0.00
0.00	0.00	0.00

003110

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

15.564min (-0.017) 0.14 ng/uL

response 28489

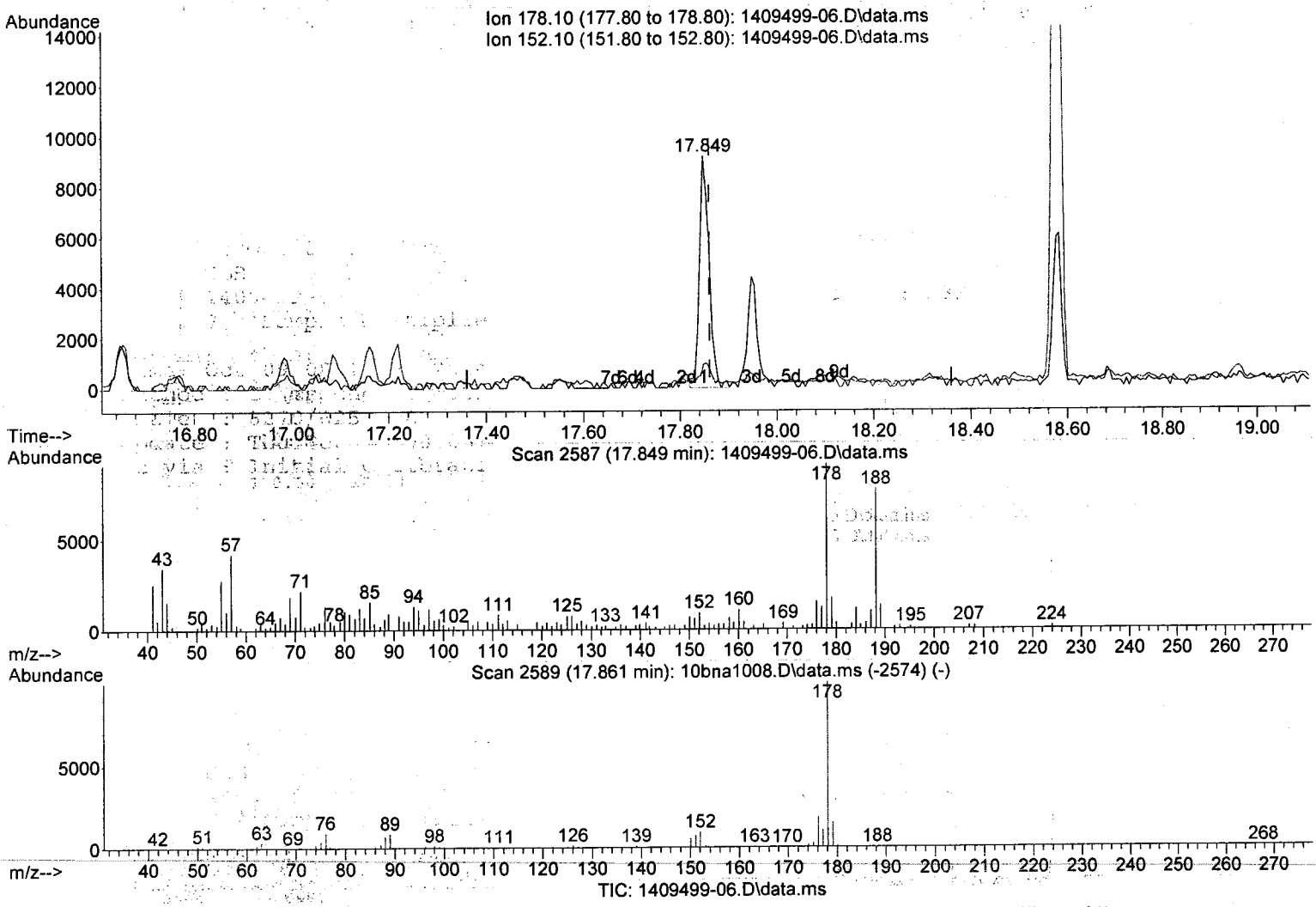
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	24.90
0.00	0.00	0.00
0.00	0.00	0.00

003111

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



(75) Phenanthrene

17.849min (-0.012) 0.05 ng/uL

response 12385

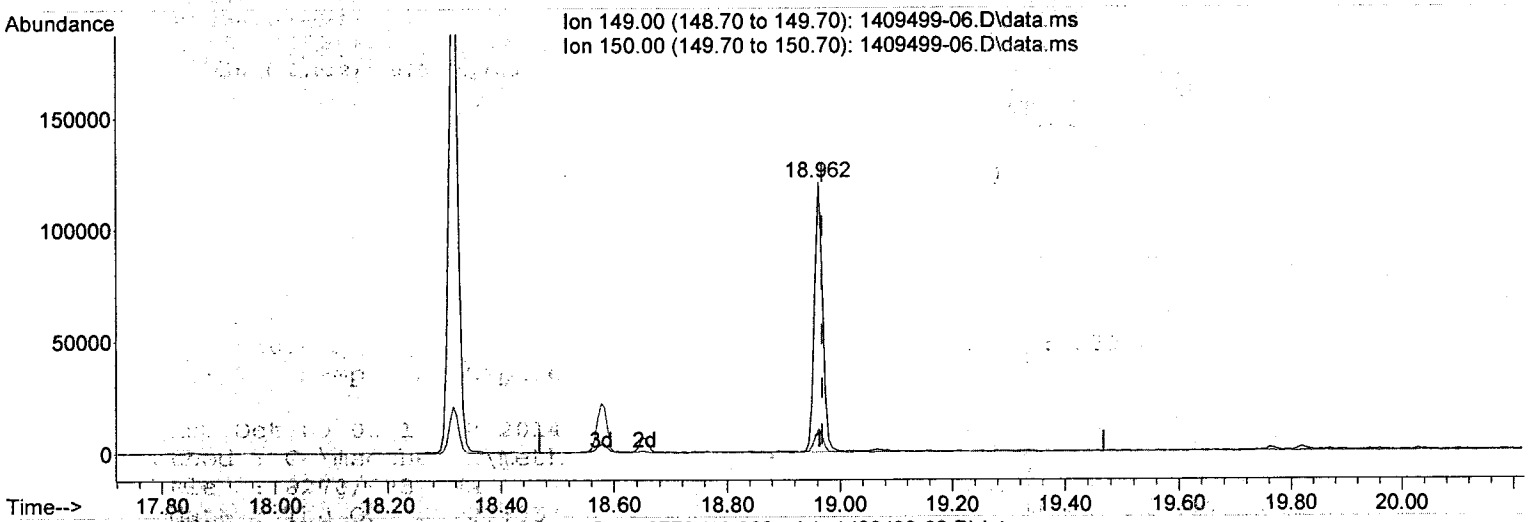
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	13.12#
0.00	0.00	0.00
0.00	0.00	0.00

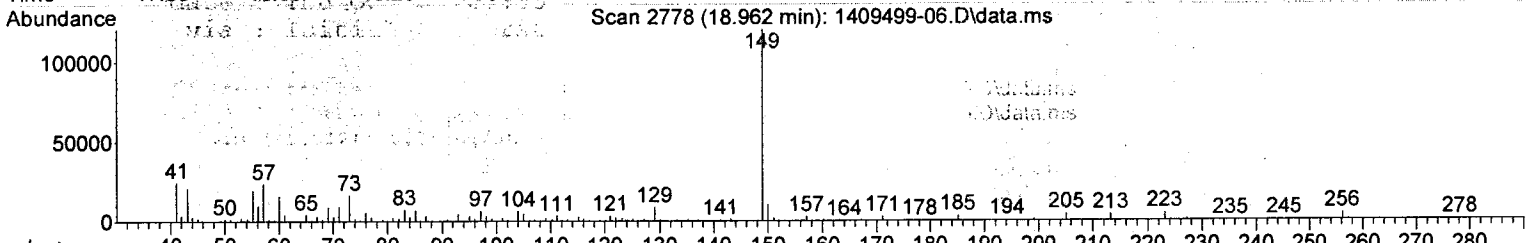
003112

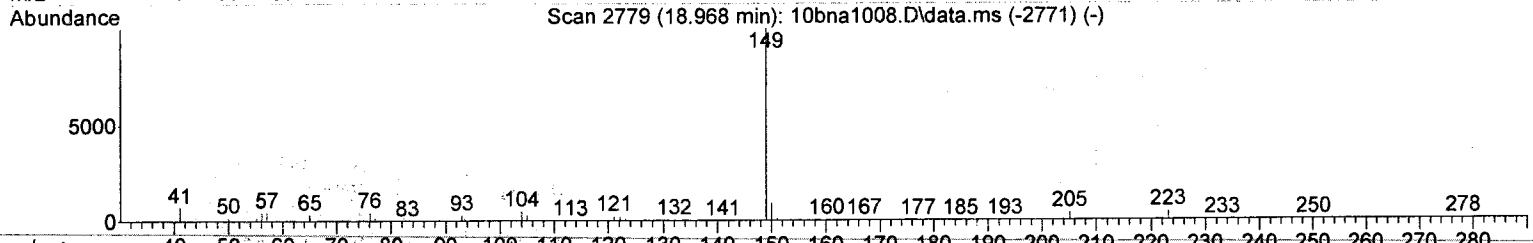
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration







TIC: 1409499-06.D\data.ms

(79) Di-n-butyl Phthalate

18.962min (-0.006) 0.45 ng/uL

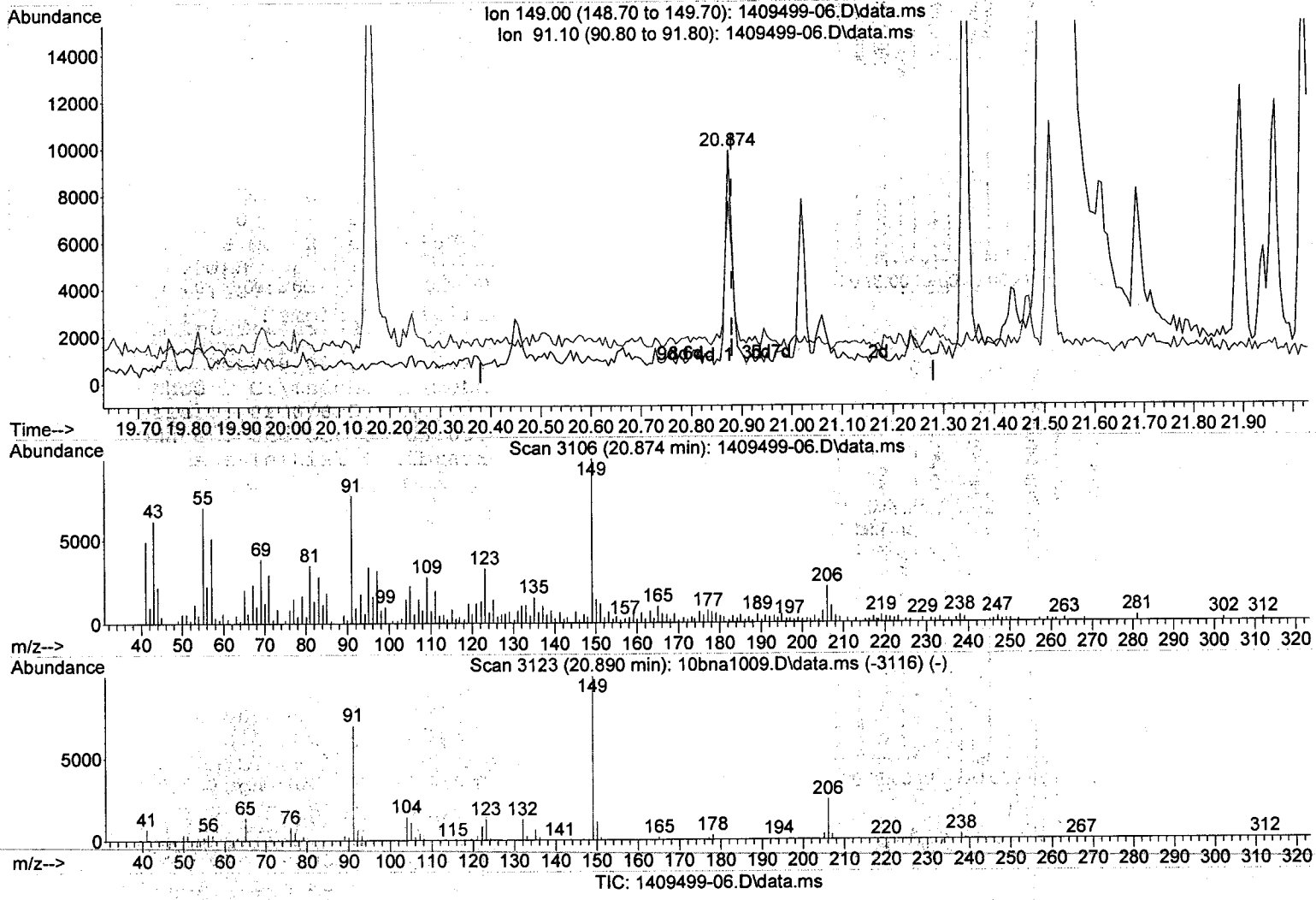
response 118454

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



TIC: 1409499-06.D\data.ms

(83) Butyl Benzyl Phthalate

20.874min (-0.006) 0.10 ng/uL

response 9110

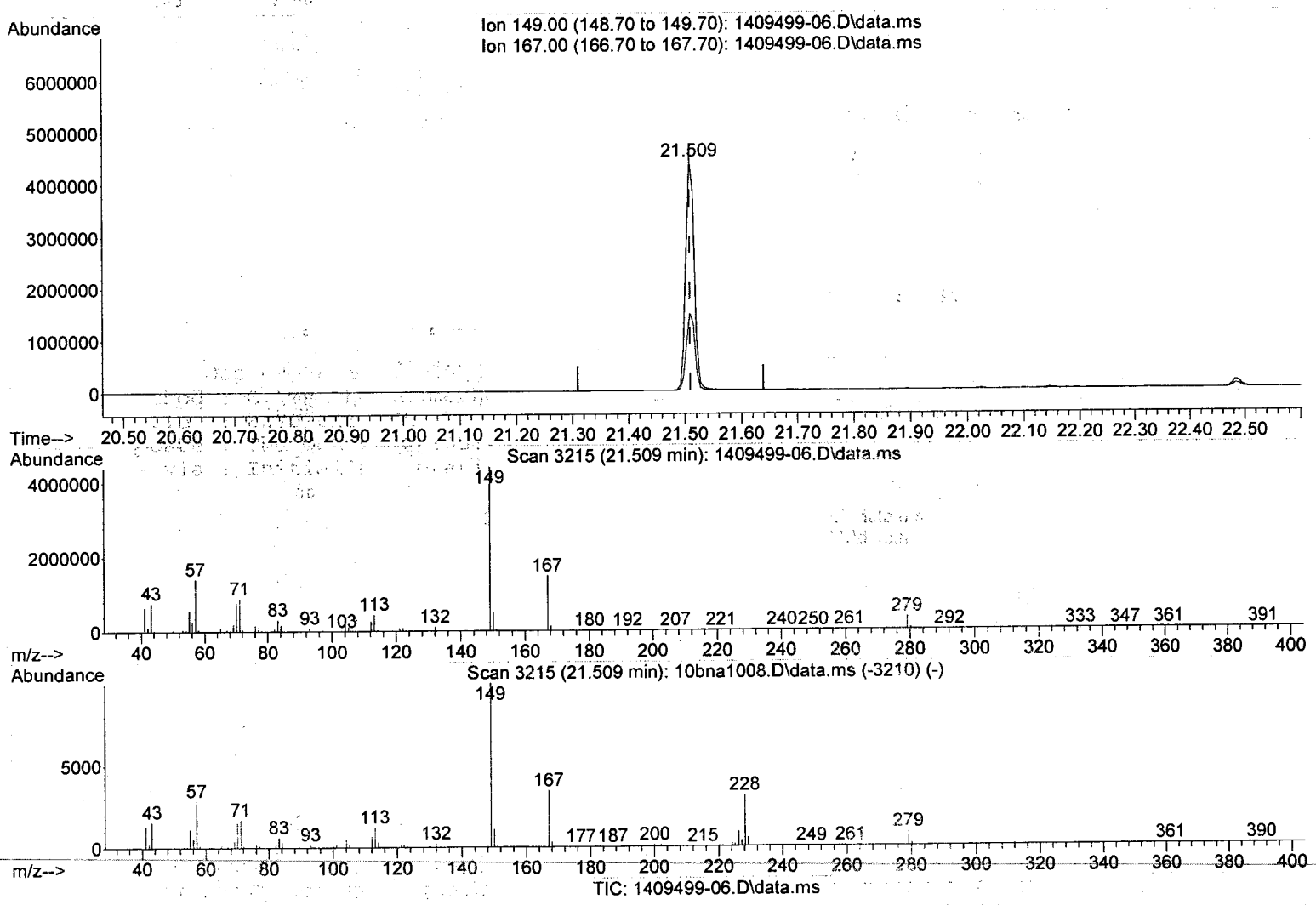
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	72.94
0.00	0.00	0.00
0.00	0.00	0.00

003114

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.509min (+ 0.000) 39.58 ng/uL

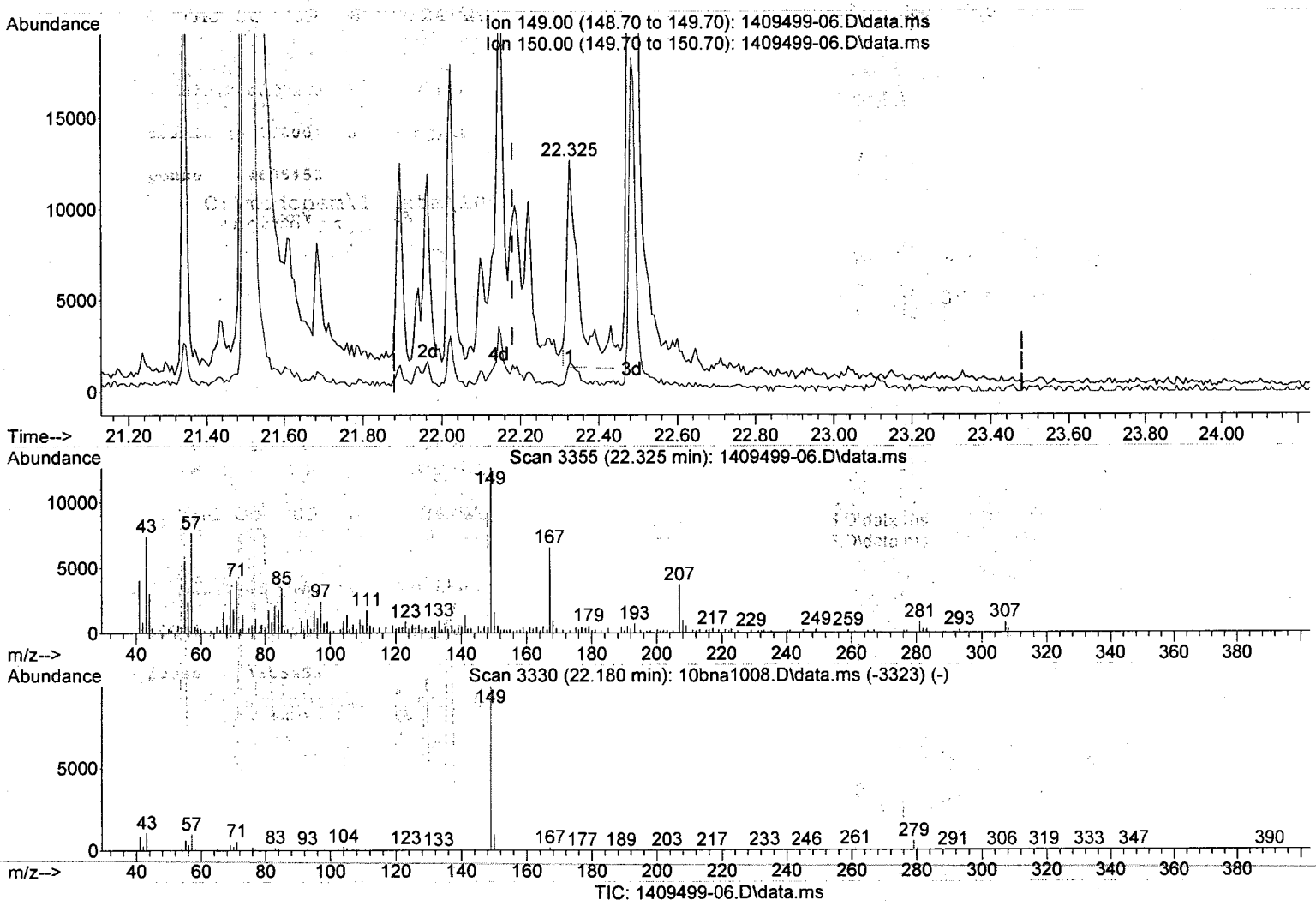
response 4605453

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1409499-06.D
Acq On : 8 Oct 2014 10:57
Operator : JLB
Sample : 1409499-06 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 08:11:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



TIC: 1409499-06.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.325min (+ 0.146) 0.46 ng/uL

response 26085

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	9.95
0.00	0.00	0.00
0.00	0.00	0.00

RT

003116

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16GW29-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409499-06RE1
File ID: 1409499-06 2x.D
Sampled: 09/26/14 10:55
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 17:06
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 960 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09063
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	2	0.20	0.066	0.20	1.0	U
208-96-8	Acenaphthylene	2	0.10	0.034	0.10	1.0	U
120-12-7	Anthracene	2	0.40	0.12	0.40	1.0	U
56-55-3	Benzo(a)anthracene	2	0.20	0.091	0.20	1.0	U
50-32-8	Benzo(a)pyrene	2	0.20	0.081	0.20	1.0	U
205-99-2	Benzo(b)fluoranthene	2	0.40	0.12	0.40	1.0	U
207-08-9	Benzo(k)fluoranthene	2	0.40	0.12	0.40	1.0	U
191-24-2	Benzo(g,h,i)perylene	2	0.40	0.12	0.40	1.0	U
65-85-0	Benzoic Acid	2	5.3	0.96	4.0	10	J
100-51-6	Benzyl Alcohol	2	0.20	0.097	0.20	1.0	U
101-55-3	4-Bromophenyl Phenyl Ether	2	0.20	0.086	0.20	1.0	U
85-68-7	Butyl Benzyl Phthalate	2	0.40	0.11	0.40	2.0	U
86-74-8	Carbazole	2	0.40	0.14	0.40	1.0	U
59-50-7	4-Chloro-3-methylphenol	2	0.50	0.23	0.50	1.0	U
106-47-8	4-Chloroaniline	2	0.50	0.20	0.50	2.0	U
111-91-1	Bis(2-chloroethoxy)methane	2	0.10	0.037	0.10	1.0	U
111-44-4	Bis(2-chloroethyl) Ether	2	0.10	0.047	0.10	1.0	U
108-60-1	Bis(2-chloroisopropyl) Ether	2	0.20	0.052	0.20	1.0	U
91-58-7	2-Chloronaphthalene	2	0.10	0.034	0.10	1.0	U
95-57-8	2-Chlorophenol	2	0.20	0.053	0.20	1.0	U
7005-72-3	4-Chlorophenyl Phenyl Ether	2	0.20	0.096	0.20	1.0	U
218-01-9	Chrysene	2	0.20	0.091	0.20	1.0	U
53-70-3	Dibenz(a,h)anthracene	2	0.50	0.23	0.50	1.0	U
132-64-9	Dibenzofuran	2	0.20	0.082	0.20	1.0	U
84-74-2	Di-n-butyl Phthalate	2	0.48	0.27	2.0	2.0	J
106-46-7	1,4-Dichlorobenzene	2	0.10	0.039	0.10	1.0	U
95-50-1	1,2-Dichlorobenzene	2	0.20	0.079	0.20	1.0	U
541-73-1	1,3-Dichlorobenzene	2	0.20	0.082	0.20	1.0	U
91-94-1	3,3´-Dichlorobenzidine	2	1.0	0.25	1.0	2.0	U
120-83-2	2,4-Dichlorophenol	2	0.40	0.18	0.40	1.0	U
84-66-2	Diethyl Phthalate	2	0.17	0.13	0.50	1.0	J
105-67-9	2,4-Dimethylphenol	2	1.0	0.34	1.0	2.0	U
131-11-3	Dimethyl Phthalate	2	0.20	0.091	0.20	1.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2	8.0	2.0	8.0	10	U
51-28-5	2,4-Dinitrophenol	2	10	2.3	10	10	U
606-20-2	2,6-Dinitrotoluene	2	0.40	0.16	0.40	1.0	U
121-14-2	2,4-Dinitrotoluene	2	0.20	0.095	0.20	1.0	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16GW29-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1409499-06RE1 File ID: 1409499-06 2x.D

Sampled: 09/26/14 10:55 Prepared: 10/02/14 07:47 Analyzed: 10/08/14 17:06

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 960 mL / 1 mL

QC Batch: 1410565 Sequence: 4J09063 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	2	0.40	0.15	0.40	1.0	U
122-66-7	1,2-Diphenylhydrazine	2	0.20	0.16	0.20	1.0	U
117-81-7	Bis(2-ethylhexyl) Phthalate	2	44	0.23	1.0	1.0	
206-44-0	Fluoranthene	2	0.40	0.13	0.40	1.0	U
86-73-7	Fluorene	2	0.20	0.083	0.20	1.0	U
118-74-1	Hexachlorobenzene	2	0.40	0.13	0.40	1.0	U
87-68-3	Hexachlorobutadiene	2	0.20	0.079	0.20	1.0	U
67-72-1	Hexachloroethane	2	0.20	0.084	0.20	1.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2	0.50	0.16	0.50	1.0	U
78-59-1	Isophorone	2	0.20	0.090	0.20	1.0	U
91-57-6	2-Methylnaphthalene	2	0.083	0.030	0.10	1.0	J
108-39-4	3+4-Methylphenol	2	0.40	0.11	0.40	10	U
95-48-7	2-Methylphenol	2	0.40	0.095	0.40	1.0	U
91-20-3	Naphthalene	2	0.12	0.061	0.20	1.0	J
100-01-6	4-Nitroaniline	2	2.0	0.66	2.0	2.0	U
88-74-4	2-Nitroaniline	2	1.0	0.23	1.0	1.0	U
99-09-2	3-Nitroaniline	2	1.0	0.49	1.0	2.0	U
98-95-3	Nitrobenzene	2	0.40	0.12	0.40	1.0	U
88-75-5	2-Nitrophenol	2	0.40	0.095	0.40	1.0	U
100-02-7	4-Nitrophenol	2	10	2.5	10	10	U
62-75-9	N-Nitroso-dimethylamine	2	0.20	0.092	0.20	1.0	U
86-30-6	N-Nitroso-diphenylamine	2	0.40	0.14	0.40	1.0	U
621-64-7	N-Nitroso-di-n-propylamine	2	0.40	0.15	0.40	1.0	U
87-86-5	Pentachlorophenol	2	1.0	0.25	1.0	1.0	U
85-01-8	Phenanthrene	2	0.20	0.085	0.20	1.0	U
108-95-2	Phenol	2	0.20	0.067	0.20	1.0	U
129-00-0	Pyrene	2	0.40	0.13	0.40	1.0	U
120-82-1	1,2,4-Trichlorobenzene	2	0.20	0.053	0.20	1.0	U
95-95-4	2,4,5-Trichlorophenol	2	0.50	0.20	0.50	1.0	U
88-06-2	2,4,6-Trichlorophenol	2	0.50	0.17	0.50	1.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	20.8	10.2	49	19 - 119	
Phenol-d6	20.8	6.62	32	18 - 45	
Nitrobenzene-d5	10.4	8.17	78	44 - 120	
2-Fluorobiphenyl	10.4	8.27	79	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16GW29-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1409499-06RE1
File ID: 1409499-06 2x.D
Sampled: 09/26/14 10:55
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 17:06
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 960 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09063
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	20.8	17.1	82	43 - 140	
o-Terphenyl	10.4	10.0	96	42 - 125	

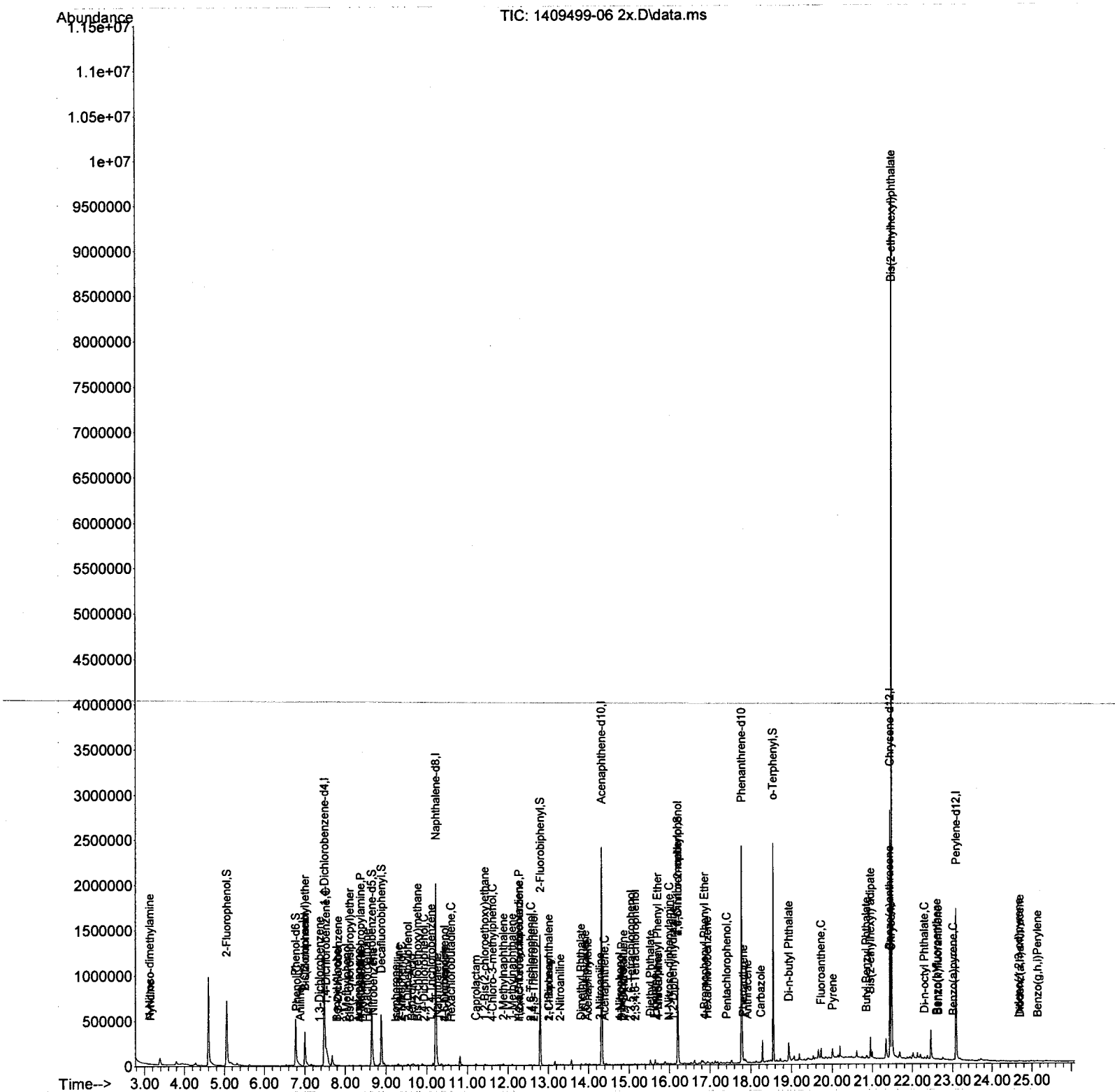
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	461772	7.486	403279	7.614	
Naphthalene-d8	1741755	10.225	1529030	10.359	
Acenaphthene-d10	974762	14.328	866604	14.474	
Phenanthrene-d10	1420421	17.779	1400442	17.901	
Chrysene-d12	1120869	21.445	1153654	21.538	
Perylene-d12	939699	23.089	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:30:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:30:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.486	152	461772	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.225	136	1741755	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.328	164	974762	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.779	188	1420421	5.00	ng/uL	0.00
81) Chrysene-d12	21.445	240	1120869	5.00	ng/uL	# 0.00
89) Perylene-d12	23.089	264	939699	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.055	112	514663	4.88	ng/uL	-0.02
6) Phenol-d6	6.774	99	434092	3.18	ng/uL	-0.02
21) Nitrobenzene-d5	8.651	82	436099	3.92	ng/uL	-0.01
23) Decafluorobiphenyl	8.884	334	263524	3.38	ng/uL	0.00
47) 2-Fluorobiphenyl	12.801	172	799046	3.97	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.211	330	177003	8.22	ng/uL	-0.01
78) o-Terphenyl	18.554	230	586771	4.82	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.132	74	519	0.01	ng/uL#	42
3) Pyridine	3.149	79	1140	0.01	ng/uL	97
5) Aniline	6.891	93	219	0.22	ng/uL#	33
7) Phenol	6.798	94	4414	0.03	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.008	93	1378	0.01	ng/uL#	52
9) 2-Chlorophenol	7.008	128	5165	~~0.04~~	ng/uL#	67
10) 1,3-Dichlorobenzene	7.363	146	1183	0.01	ng/uL#	79
11) 1,4-Dichlorobenzene	7.520	146	1293	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.824	146	1187	0.01	ng/uL	87
13) Bis(2-chloroisipropyl)...	8.115	45	2946	0.01	ng/uL#	81
14) Benzyl Alcohol	7.794	108	1343	0.02	ng/uL#	66
15) 2-Methylphenol	8.033	108	1418	0.01	ng/uL	97
16) Acetophenone	8.331	105	4720	0.03	ng/uL#	59
17) Hexachloroethane	8.529	119	4637	~~0.09~~	ng/uL#	16
18) 4-Methylphenol	8.383	108	1513	0.01	ng/uL#	39
19) N-Nitroso-di-n-propyla...	8.383	70	2410	0.03	ng/uL	97
22) Nitrobenzene	8.686	77	1437	0.01	ng/uL#	62
24) Isophorone	9.234	82	4685	0.02	ng/uL#	87
25) 2-Chloroaniline	9.310	127	1477	0.01	ng/uL#	79
26) 2-Nitrophenol	9.380	139	495	0.01	ng/uL#	64
27) 2,4-Dimethylphenol	9.537	107	1670	0.01	ng/uL#	81
28) Bis(2-chlorethoxy)methane	9.776	93	2119	~~0.02~~	ng/uL	94
29) 2,4-Dichlorophenol	9.928	162	967	0.01	ng/uL#	87
30) Benzoic Acid	9.636	105	9305m	2.55	ng/uL	
31) 1,2,4-Trichlorobenzene	10.108	180	1297	0.01	ng/uL	97
32) Naphthalene	10.266	128	21029	0.06	ng/uL	95
33) 4-Chloroaniline	10.441	127	753	0.01	ng/uL#	1
34) 2,6-Dichlorophenol	10.446	162	1131	0.01	ng/uL#	90
35) Hexachlorobutadiene	10.604	225	607	0.01	ng/uL#	63
36) Caprolactam	11.210	55	8538	0.17	ng/uL#	39
37) 1,2-Bis(2-chloroethoxy...	11.426	63	125	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.618	107	1056	0.01	ng/uL#	55
39) 2-Methylnaphthalene	11.886	142	9297	0.04	ng/uL	98
40) 1-Methylnaphthalene	12.108	142	7215	0.04	ng/uL	97
41) 1,3 Dinitrobenzene	13.833	168	73	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:30:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.282	216	1199	0.01 ng/uL	93
44) Hexachlorocyclopentadiene	12.271	237	140	0.00 ng/uL#	82
45) 2,4,6-Trichlorophenol	12.568	196	706	0.01 ng/uL	96
46) 2,4,5-Trichlorophenol	12.644	196	561	0.01 ng/uL#	86
48) 2-Chloronaphthalene	13.017	162	2618	0.01 ng/uL	97
49) 1,1'-Biphenyl	13.017	154	2654	0.01 ng/uL	98
50) 2-Nitroaniline	13.297	138	519	0.01 ng/uL#	61
51) Acenaphthylene	13.984	152	4264	0.01 ng/uL#	75
52) 2,6-Dinitrotoluene	13.920	165	1324	0.03 ng/uL#	44
53) Dimethyl Phthalate	13.815	163	7323	0.03 ng/uL#	87
54) 3-Nitroaniline	14.293	138	126	0.00 ng/uL#	1
55) Acenaphthene	14.398	153	3232	0.02 ng/uL	99
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.824	168	3655	0.01 ng/uL	90
58) 4-Nitrophenol	14.771	65	358	0.01 ng/uL#	33
59) 2,4-Dinitrotoluene	14.859	165	575	0.01 ng/uL#	62
60) 2,3,5,6-Tetrachlorophenol	15.045	232	352	0.01 ng/uL#	82
61) 2,3,4,6-Tetrachlorophenol	15.150	232	393	0.01 ng/uL#	49
62) Fluorene	15.640	166	3206	0.01 ng/uL#	80
63) Diethyl Phthalate	15.529	149	15197	0.08 ng/uL	100
64) 4-Chlorophenyl Phenyl ...	15.710	204	1330	0.01 ng/uL#	51
65) 4-Nitroaniline	15.727	138	147	0.00 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.211	198	342	RT 1.00 ng/uL#	1
68) N-Nitroso-diphenylamine	15.995	169	2719	0.02 ng/uL	93
69) 1,2-Diphenylhydrazine	16.089	182	1045	0.02 ng/uL	87
71) 4-Bromophenyl Phenyl E...	16.870	248	774	0.02 ng/uL	86
72) Hexachlorobenzene	16.934	284	801	0.02 ng/uL#	83
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.412	266	1095	0.04 ng/uL#	39
75) Phenanthrene	17.820	178	7964	0.03 ng/uL	97
76) Anthracene	17.919	178	4773	0.02 ng/uL#	91
77) Carbazole	18.251	167	3889	0.02 ng/uL#	92
79) Di-n-butyl Phthalate	18.939	149	62481	0.23 ng/uL	98
80) Fluoroanthene	19.726	202	7422	0.03 ng/uL#	69
82) Pyrene	20.017	202	8262	0.03 ng/uL#	65
83) Butyl Benzyl Phthalate	20.856	149	5381	0.05 ng/uL	98
84) Bis(2-ethylhexyl) adipate	20.955	129	40766	0.46 ng/uL#	100
85) Benzo(a)anthracene	21.433	228	7210	0.04 ng/uL#	18
86) Chrysene	21.474	228	4820	0.02 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.492	149	2815762	20.95 ng/uL	92
88) Di-n-octyl Phthalate	22.302	149	13306	0.39 ng/uL	100
90) Benzo(b)fluoroanthene	22.611	252	4030	0.02 ng/uL#	82
91) Benzo(k)fluoranthene	22.646	252	4300	0.02 ng/uL	99
92) Benzo(a)pyrene	23.019	252	3490	0.02 ng/uL#	82
93) Indeno(1,2,3-cd)pyrene	24.674	276	4023	0.03 ng/uL	97
94) Dibdenz(a,h)anthracene	24.703	278	2509	0.02 ng/uL#	50
95) Benzo(g,h,i)Perylene	25.140	276	3955	0.03 ng/uL#	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

003122

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 09:03:05 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration

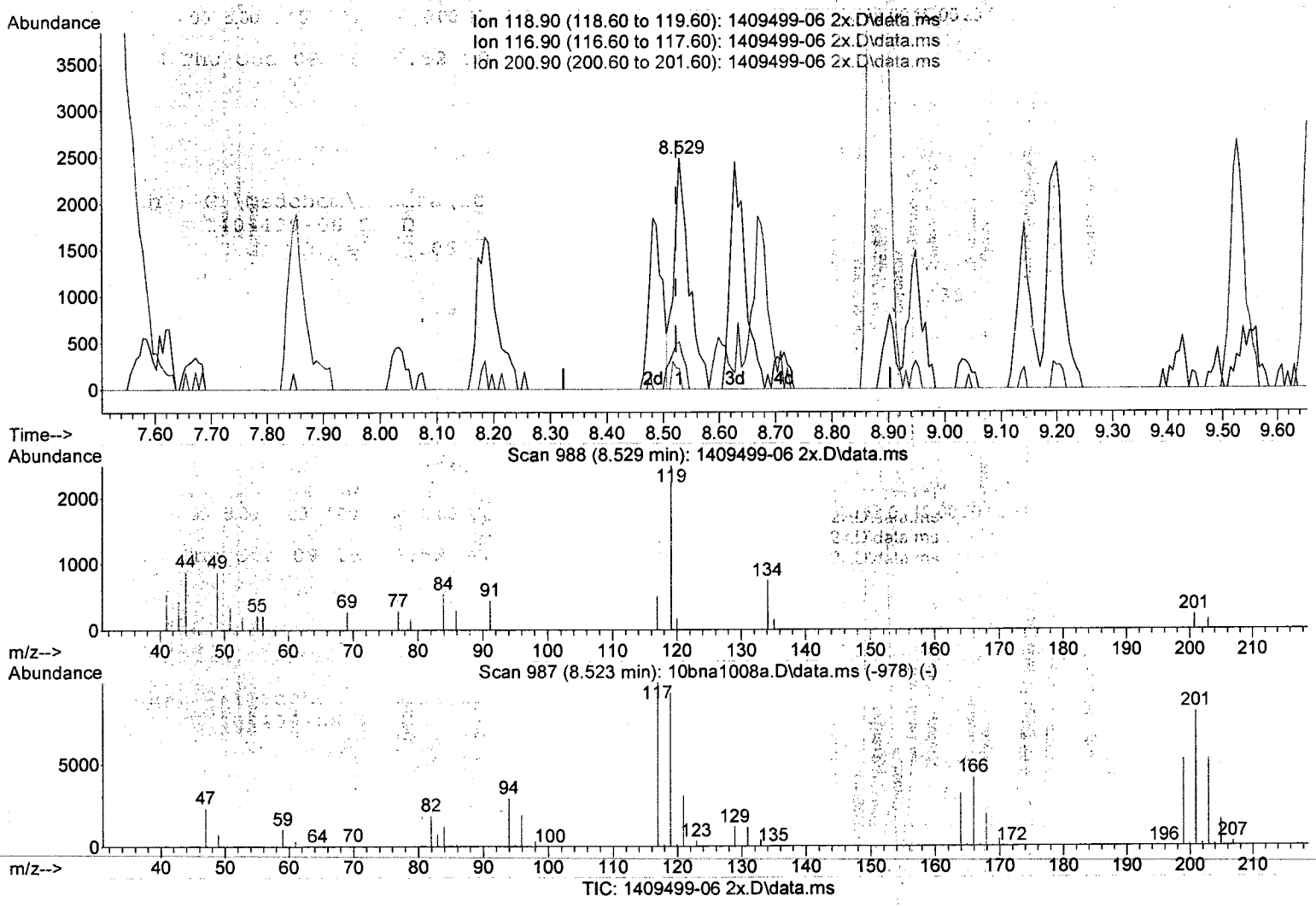
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.486	152	448026	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.225	136	1741755	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.328	164	974227	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.779	188	1420421	5.00	ng/uL		0.00
19) Chrysene-d12	21.445	240	1120869	5.00	ng/uL	#	0.00
22) Perylene-d12	23.089	264	939699	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.132	74	519	0.01	ng/uL	#	1
3) Pyridine	3.149	79	1140	0.01	ng/uL		97
4) Aniline	6.856	93	987	0.01	ng/uL	#	1
5) Benzaldehyde	6.658	105	5189	0.05	ng/uL	#	68
6) Acetophenone	8.331	105	4720	0.03	ng/uL	#	59
7) N-Nitroso-di-n-propyla...	8.383	70	2410	0.03	ng/uL		97
9) 4-Chloroaniline	10.272	127	2149	0.03	ng/uL		98
10) Caprolactam	11.210	55	3638	0.16	ng/uL	#	42
12) 1,1'-Biphenyl	13.017	154	2654	0.01	ng/uL		98
13) 2-Nitroaniline	13.297	138	519	0.02	ng/uL	#	61
14) 3-Nitroaniline	14.293	138	126	Below Cal		#	1
15) 4-Nitroaniline	15.727	138	147	Below Cal		#	1
17) N-Nitroso-diphenylamine	15.995	169	2719	0.02	ng/uL		93
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.912	184	143	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.352	252	200	0.00	ng/uL	#	19

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x
Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:30:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1409499-06 2x.D\data.ms

(17) Hexachloroethane

8.529min (+ 0.006) 0.09 ng/uL

response 4637

Ion	Exp%	Act%
118.90	100.00	100.00
116.90	100.10	18.93#
200.90	85.90	5.67#
0.00	0.00	0.00

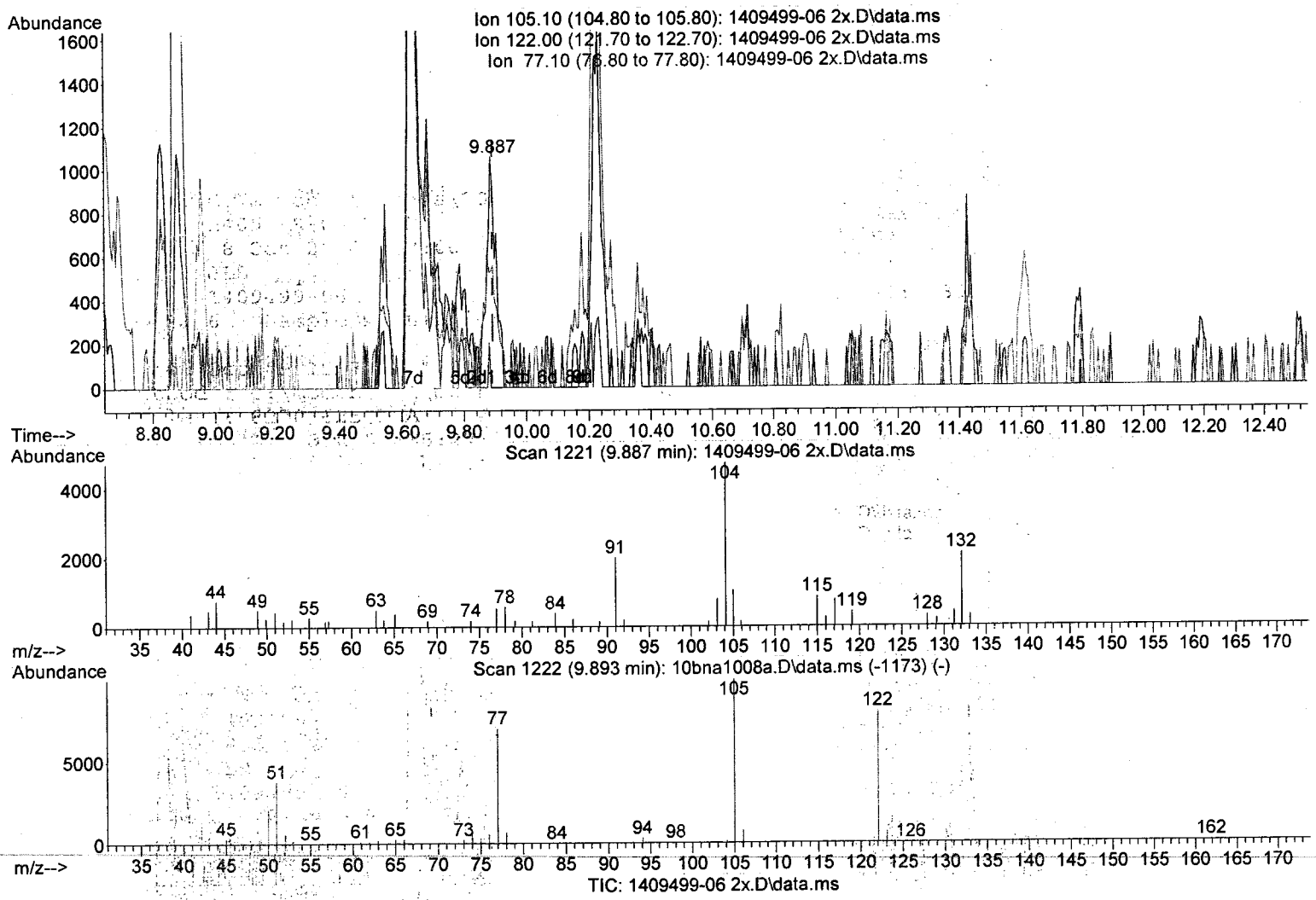
PS

003124

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:30:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.887min (-0.006) 2.48 ng/uL

response 2222

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	79.21
0.00	0.00	0.00

JWS 10/10/14

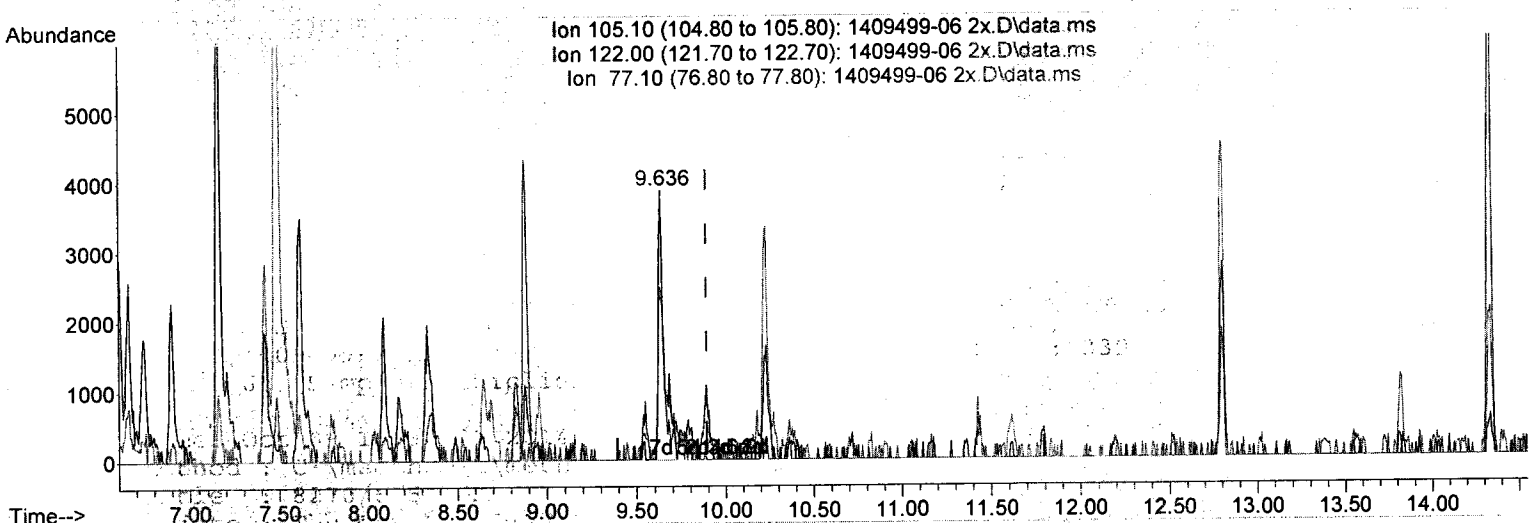
DWS 10-17-14

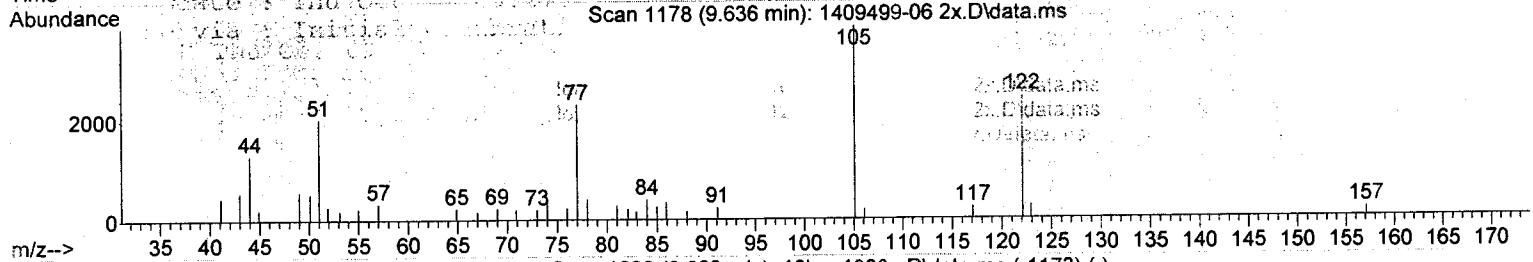
003125

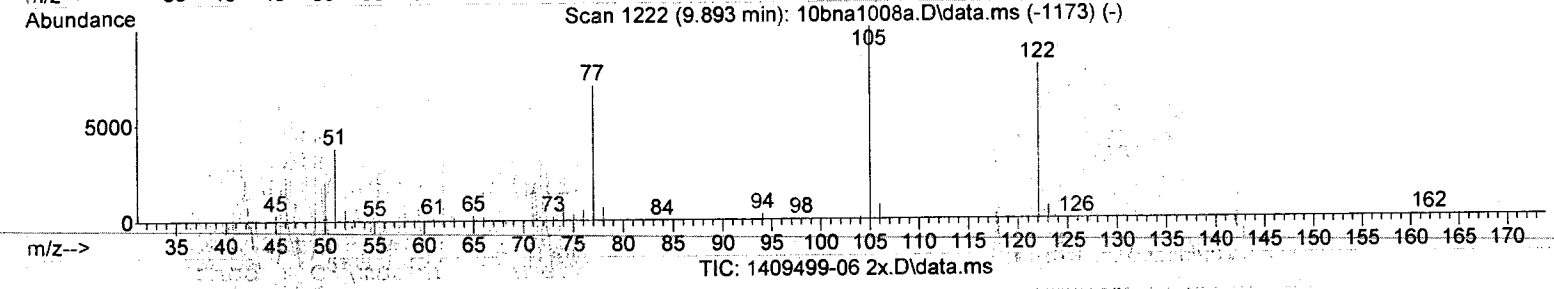
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:30:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409499-06 2x.D\data.ms

(30) Benzoic Acid

9.636min (-0.256) 2.55 ng/uL m

response 9305

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	18.91#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JW2 Date: 10/10/14

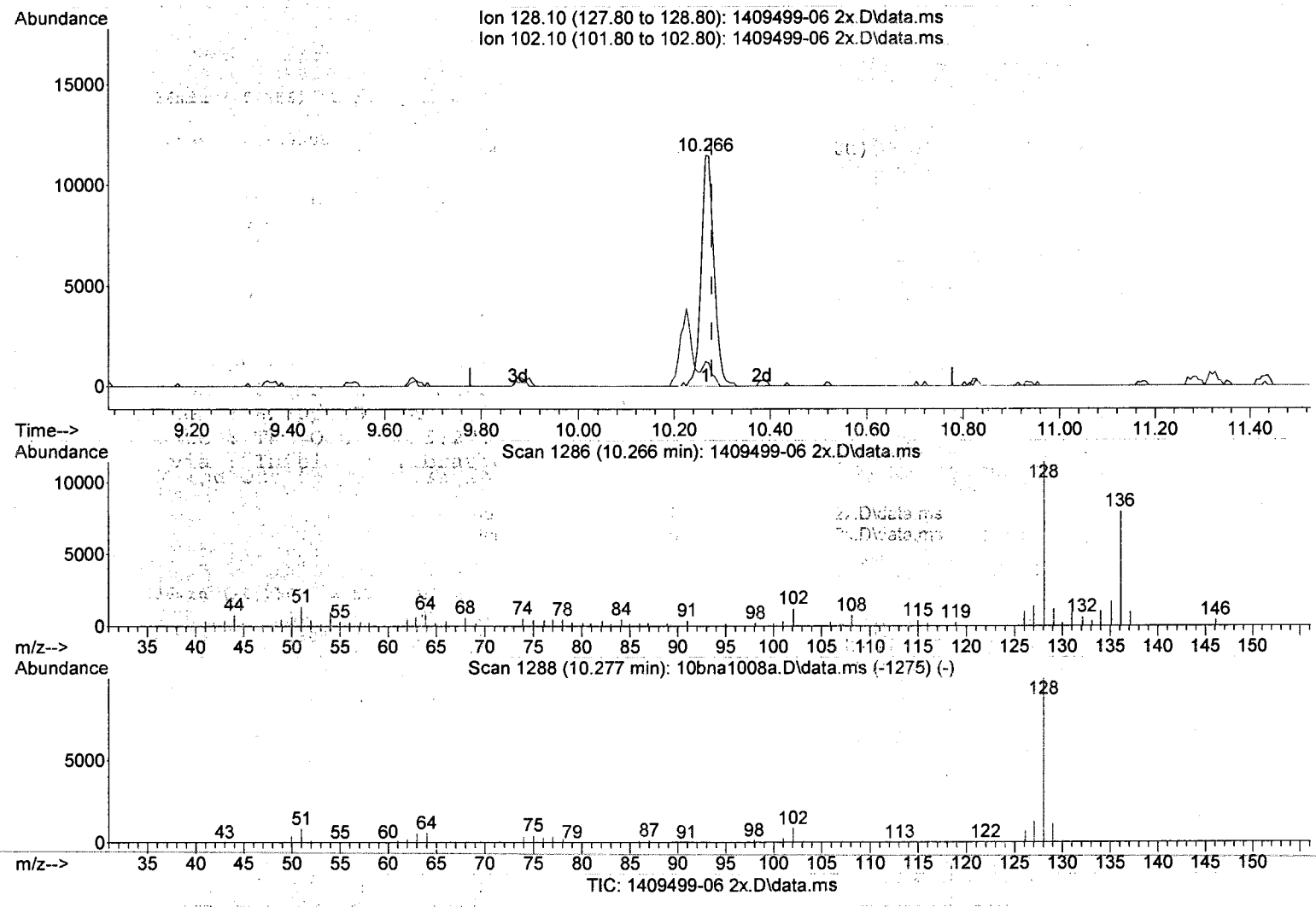
Reviewed By: DW Date: 10-17-14

003126

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:30:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1409499-06 2x.D\data.ms

(32) Naphthalene

10.266min (-0.012) 0.06 ng/uL

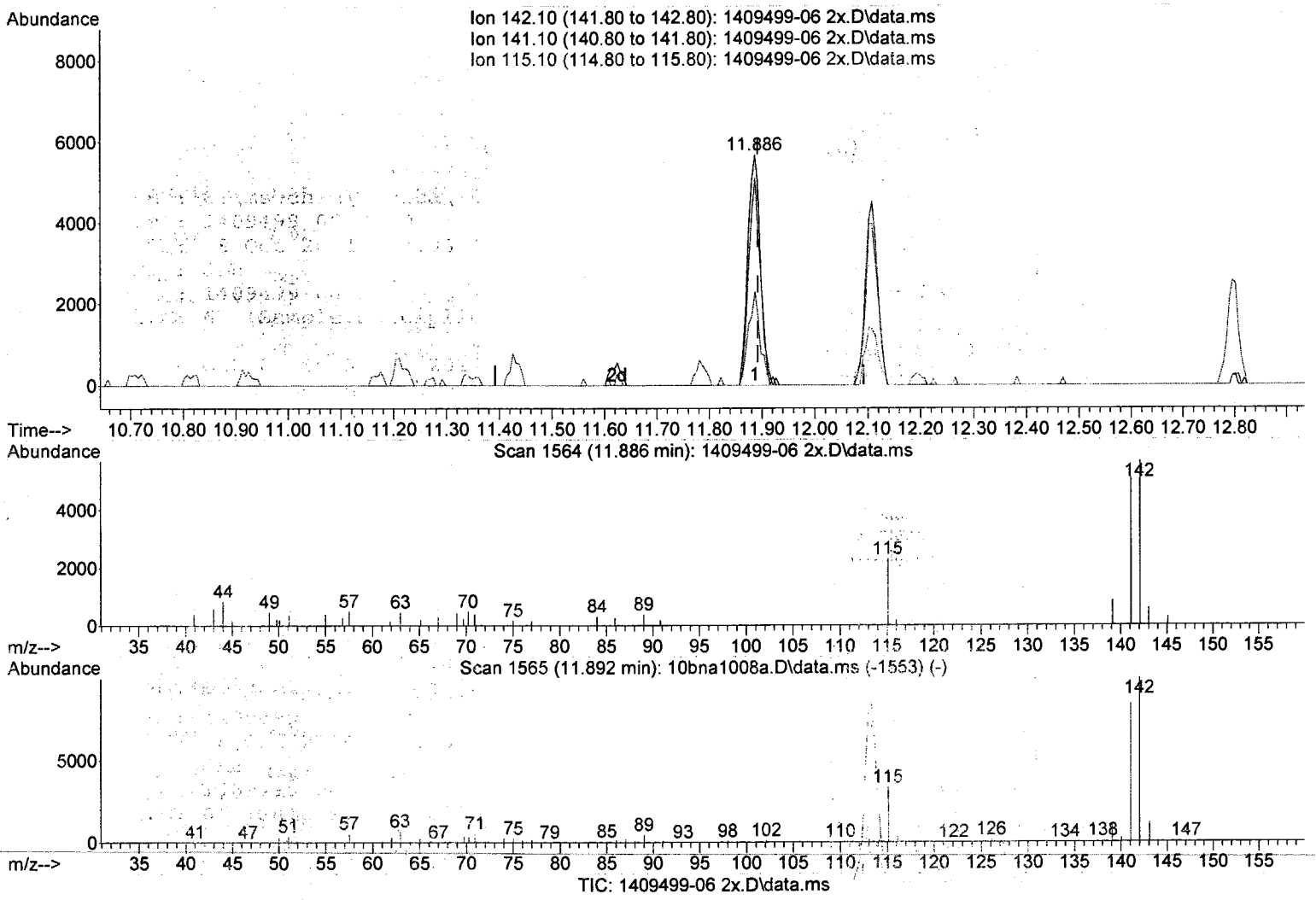
response 21029

Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	7.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:30:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1409499-06 2x.D\data.ms

(39) 2-Methylnaphthalene

11.886min (-0.006) 0.04 ng/uL

response 9297

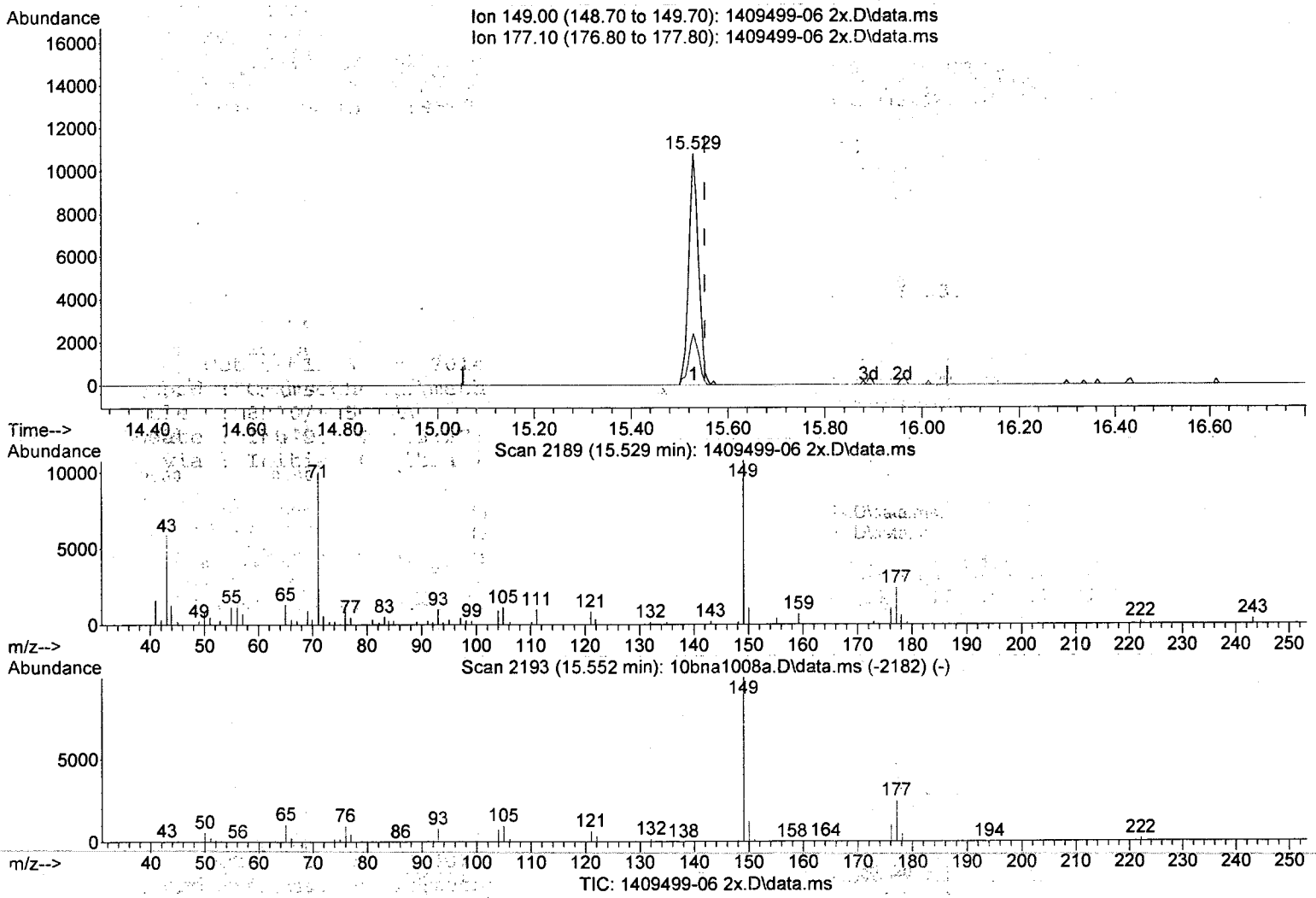
Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	84.47
115.10	33.50	37.68
0.00	0.00	0.00

003128

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:30:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1409499-06 2x.D\data.ms

(63) Diethyl Phthalate

15.529min (-0.023) 0.08 ng/uL

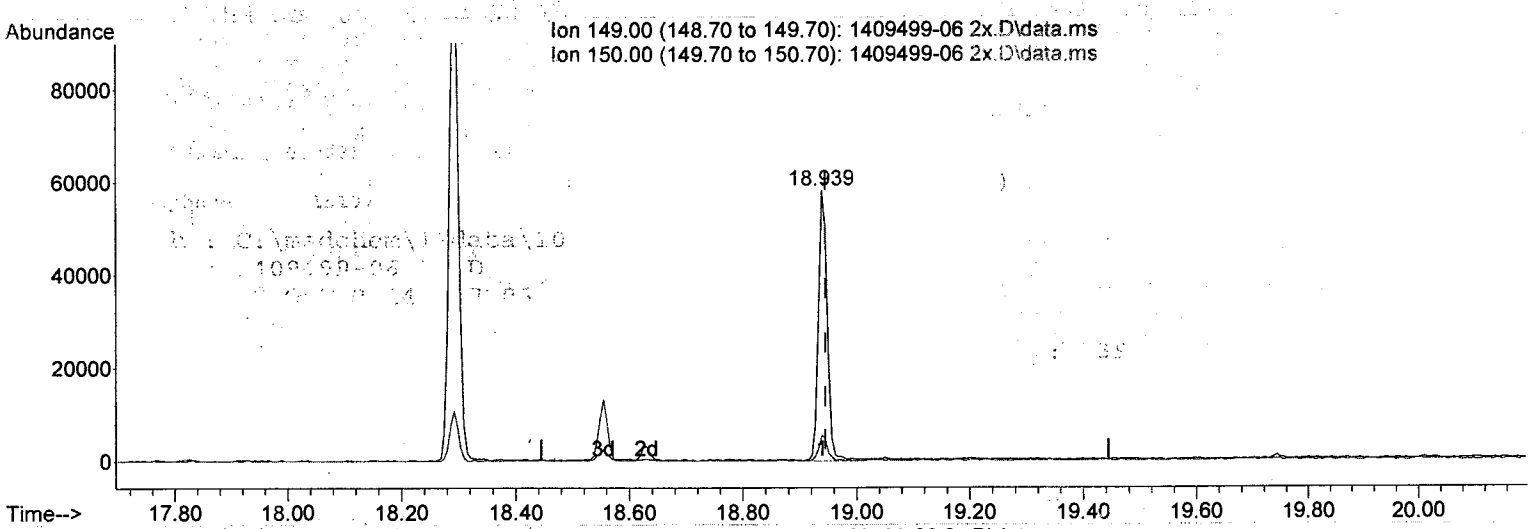
response 15197

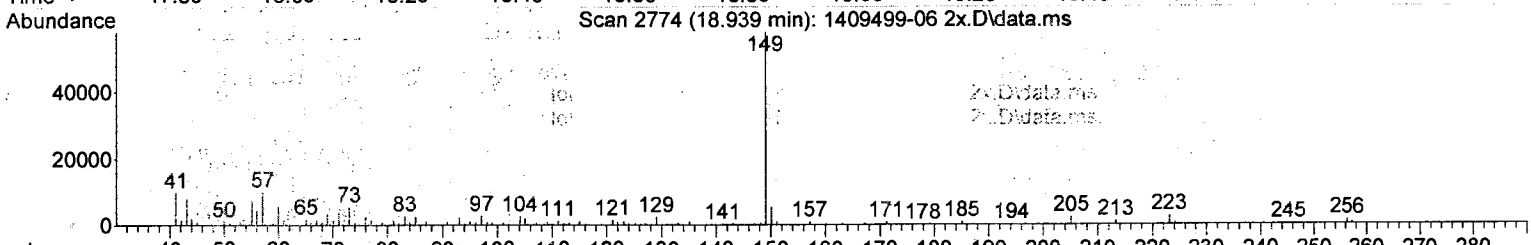
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	22.65
0.00	0.00	0.00
0.00	0.00	0.00

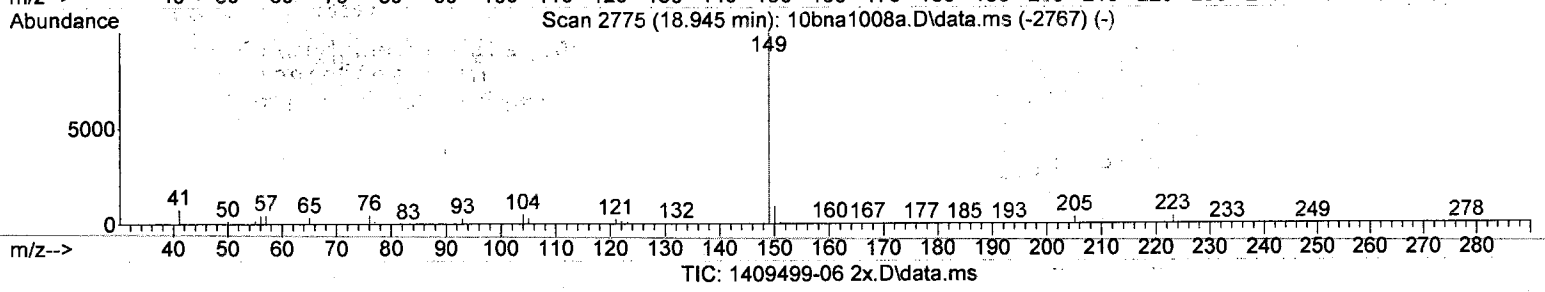
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:30:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409499-06 2x.D\data.ms

(79) Di-n-butyl Phthalate

18.939min (-0.006) 0.23 ng/uL

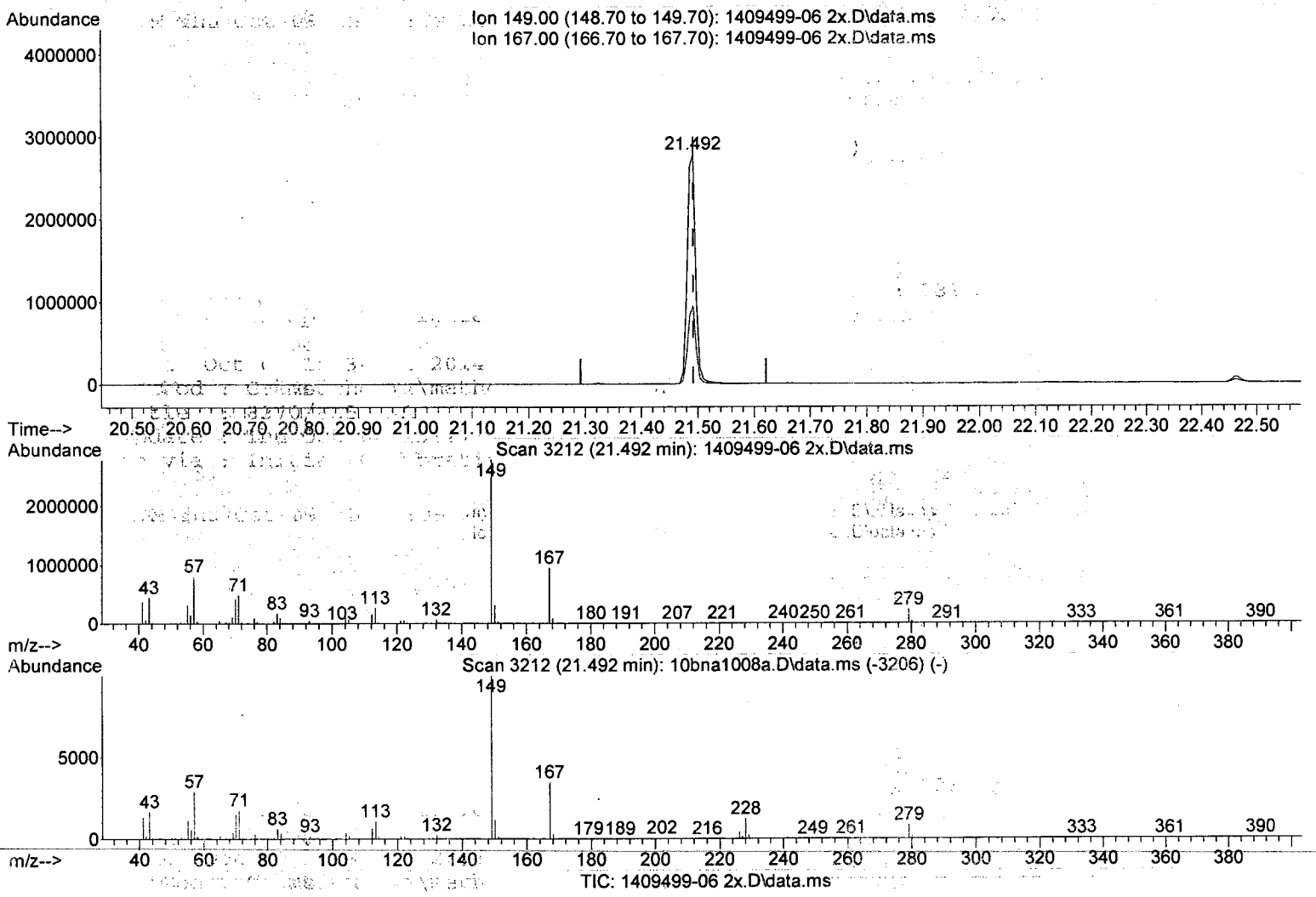
response 62481

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:30:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1409499-06 2x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.492min (+ 0.000) 20.95 ng/uL

response 2815762

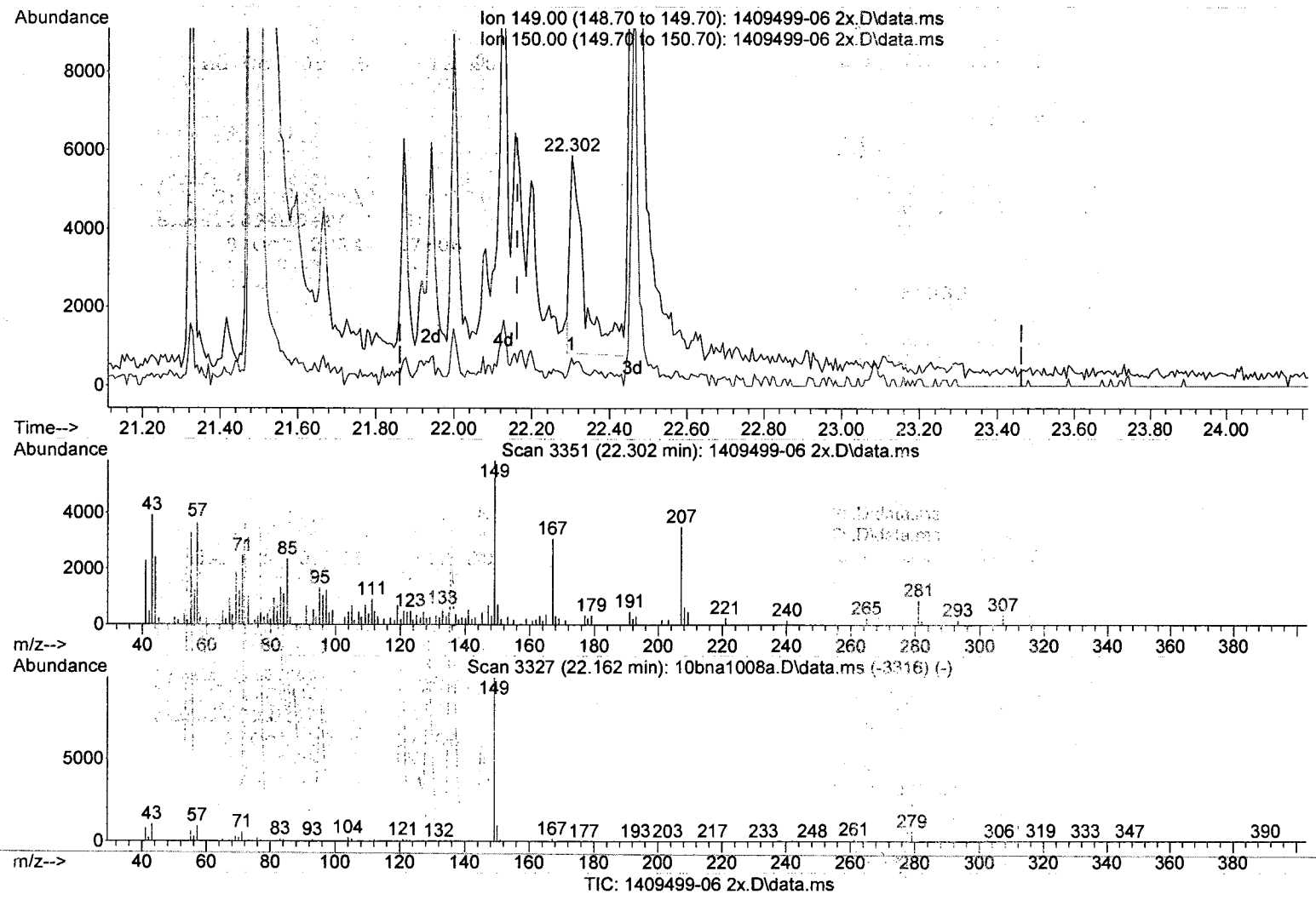
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.47
0.00	0.00	0.00
0.00	0.00	0.00

003131

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-06 2x.D
Acq On : 8 Oct 2014 17:06
Operator : JLB
Sample : 1409499-06 2x Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:30:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1409499-06 2x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.302min (+ 0.140) 0.39 ng/uL

response 13306

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.50	9.48
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

FQC-EB092614JC-001

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1409499-07 File ID: 1409499-07.D

Sampled: 09/26/14 09:00 Prepared: 10/02/14 07:47 Analyzed: 10/08/14 17:38

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 920 mL / 1 mL

QC Batch: 1410565 Sequence: 4J09063 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	0.11	0.036	0.11	0.54	U
208-96-8	Acenaphthylene	1	0.054	0.019	0.054	0.54	U
120-12-7	Anthracene	1	0.22	0.067	0.22	0.54	U
56-55-3	Benzo(a)anthracene	1	0.11	0.049	0.11	0.54	U
50-32-8	Benzo(a)pyrene	1	0.11	0.044	0.11	0.54	U
205-99-2	Benzo(b)fluoranthene	1	0.22	0.063	0.22	0.54	U
207-08-9	Benzo(k)fluoranthene	1	0.22	0.065	0.22	0.54	U
191-24-2	Benzo(g,h,i)perylene	1	0.22	0.066	0.22	0.54	U
65-85-0	Benzoic Acid	1	2.8	0.52	2.2	5.4	J
100-51-6	Benzyl Alcohol	1	0.11	0.053	0.11	0.54	U
101-55-3	4-Bromophenyl Phenyl Ether	1	0.11	0.047	0.11	0.54	U
85-68-7	Butyl Benzyl Phthalate	1	0.12	0.061	0.22	1.1	J
86-74-8	Carbazole	1	0.22	0.076	0.22	0.54	U
59-50-7	4-Chloro-3-methylphenol	1	0.27	0.12	0.27	0.54	U
106-47-8	4-Chloroaniline	1	0.27	0.11	0.27	1.1	U
111-91-1	Bis(2-chloroethoxy)methane	1	0.054	0.020	0.054	0.54	U
111-44-4	Bis(2-chloroethyl) Ether	1	0.054	0.026	0.054	0.54	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	0.11	0.028	0.11	0.54	U
91-58-7	2-Chloronaphthalene	1	0.054	0.019	0.054	0.54	U
95-57-8	2-Chlorophenol	1	0.11	0.029	0.11	0.54	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	0.11	0.052	0.11	0.54	U
218-01-9	Chrysene	1	0.11	0.049	0.11	0.54	U
53-70-3	Dibenz(a,h)anthracene	1	0.27	0.12	0.27	0.54	U
132-64-9	Dibenzofuran	1	0.11	0.044	0.11	0.54	U
84-74-2	Di-n-butyl Phthalate	1	3.0	0.15	1.1	1.1	
106-46-7	1,4-Dichlorobenzene	1	0.054	0.021	0.054	0.54	U
95-50-1	1,2-Dichlorobenzene	1	0.11	0.043	0.11	0.54	U
541-73-1	1,3-Dichlorobenzene	1	0.11	0.045	0.11	0.54	U
91-94-1	3,3′-Dichlorobenzidine	1	0.54	0.13	0.54	1.1	U
120-83-2	2,4-Dichlorophenol	1	0.22	0.099	0.22	0.54	U
84-66-2	Diethyl Phthalate	1	0.23	0.071	0.27	0.54	J
105-67-9	2,4-Dimethylphenol	1	0.54	0.18	0.54	1.1	U
131-11-3	Dimethyl Phthalate	1	0.054	0.049	0.11	0.54	J
534-52-1	4,6-Dinitro-2-methylphenol	1	4.3	1.1	4.3	5.4	U
51-28-5	2,4-Dinitrophenol	1	5.4	1.3	5.4	5.4	U
606-20-2	2,6-Dinitrotoluene	1	0.22	0.087	0.22	0.54	U
121-14-2	2,4-Dinitrotoluene	1	0.11	0.052	0.11	0.54	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

FQC-EB092614JC-001

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1409499-07
File ID: 1409499-07.D
Sampled: 09/26/14 09:00
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 17:38
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 920 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09063
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	0.22	0.083	0.22	0.54	U
122-66-7	1,2-Diphenylhydrazine	1	0.11	0.088	0.11	0.54	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	6.2	0.12	0.54	0.54	
206-44-0	Fluoranthene	1	0.22	0.068	0.22	0.54	U
86-73-7	Fluorene	1	0.11	0.045	0.11	0.54	U
118-74-1	Hexachlorobenzene	1	0.22	0.068	0.22	0.54	U
87-68-3	Hexachlorobutadiene	1	0.11	0.043	0.11	0.54	U
67-72-1	Hexachloroethane	1	0.11	0.045	0.11	0.54	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.27	0.087	0.27	0.54	U
78-59-1	Isophorone	1	0.11	0.049	0.11	0.54	U
91-57-6	2-Methylnaphthalene	1	0.054	0.016	0.054	0.54	U
108-39-4	3+4-Methylphenol	1	0.22	0.062	0.22	5.4	U
95-48-7	2-Methylphenol	1	0.22	0.052	0.22	0.54	U
91-20-3	Naphthalene	1	0.11	0.033	0.11	0.54	U
100-01-6	4-Nitroaniline	1	1.1	0.36	1.1	1.1	U
88-74-4	2-Nitroaniline	1	0.54	0.13	0.54	0.54	U
99-09-2	3-Nitroaniline	1	0.54	0.27	0.54	1.1	U
98-95-3	Nitrobenzene	1	0.22	0.064	0.22	0.54	U
88-75-5	2-Nitrophenol	1	0.22	0.052	0.22	0.54	U
100-02-7	4-Nitrophenol	1	5.4	1.4	5.4	5.4	U
62-75-9	N-Nitroso-dimethylamine	1	0.11	0.050	0.11	0.54	U
86-30-6	N-Nitroso-diphenylamine	1	0.22	0.073	0.22	0.54	U
621-64-7	N-Nitroso-di-n-propylamine	1	0.22	0.082	0.22	0.54	U
87-86-5	Pentachlorophenol	1	0.54	0.14	0.54	0.54	U
85-01-8	Phenanthrene	1	0.11	0.046	0.11	0.54	U
108-95-2	Phenol	1	0.11	0.037	0.11	0.54	U
129-00-0	Pyrene	1	0.22	0.071	0.22	0.54	U
120-82-1	1,2,4-Trichlorobenzene	1	0.11	0.029	0.11	0.54	U
95-95-4	2,4,5-Trichlorophenol	1	0.27	0.11	0.27	0.54	U
88-06-2	2,4,6-Trichlorophenol	1	0.27	0.092	0.27	0.54	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	21.7	10.3	47	19 - 119	
Phenol-d6	21.7	6.83	31	18 - 45	
Nitrobenzene-d5	10.9	8.42	77	44 - 120	
2-Fluorobiphenyl	10.9	8.23	76	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

FQC-EB092614JC-001

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1409499-07
File ID: 1409499-07.D
Sampled: 09/26/14 09:00
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 17:38
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 920 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09063
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	21.7	17.8	82	43 - 140	
o-Terphenyl	10.9	9.61	88	42 - 125	

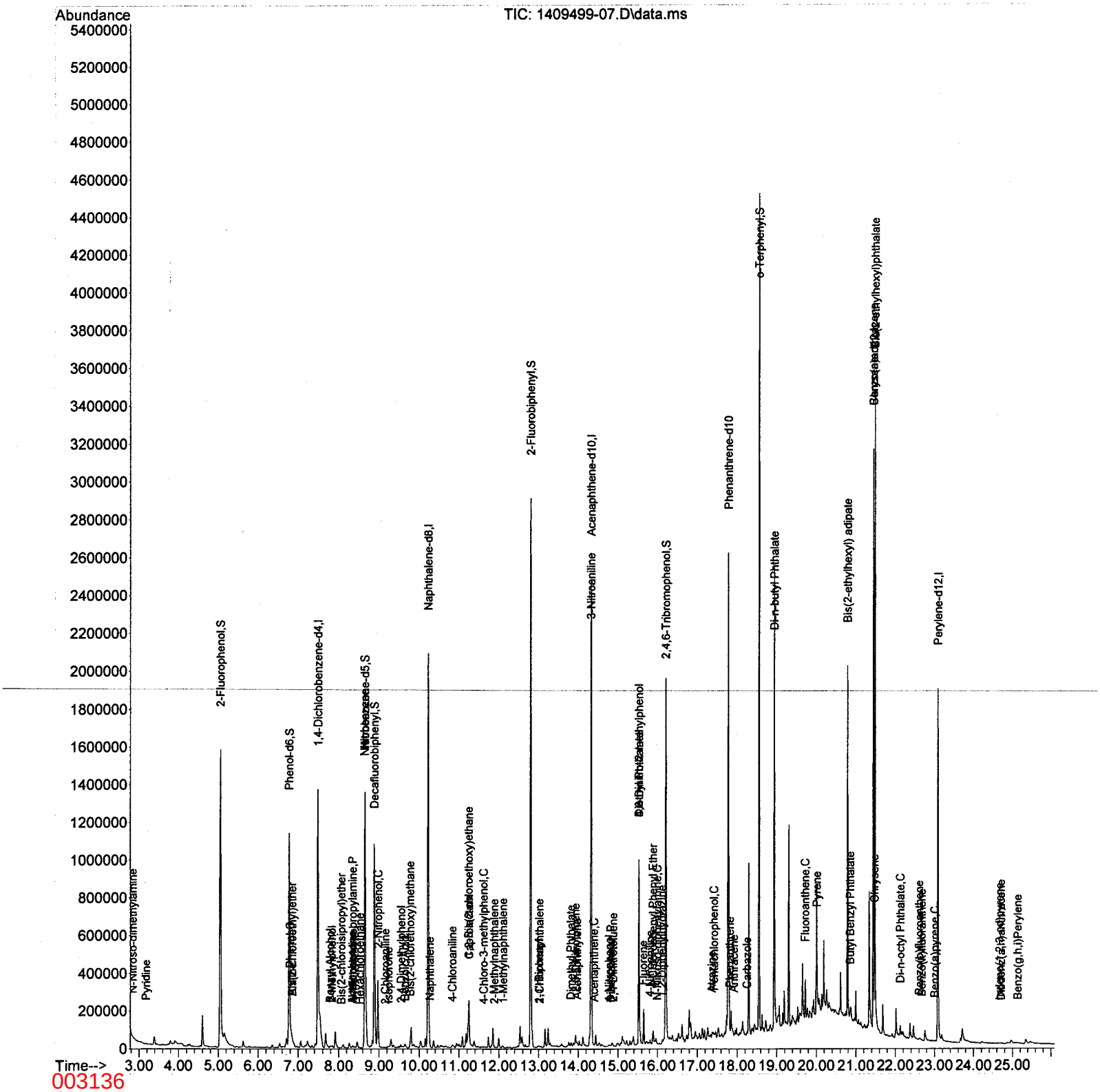
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	485075	7.486	403279	7.614	
Naphthalene-d8	1821253	10.225	1529030	10.359	
Acenaphthene-d10	1010999	14.328	866604	14.474	
Phenanthrene-d10	1489186	17.779	1400442	17.901	
Chrysene-d12	1226991	21.445	1153654	21.538	
Perylene-d12	1054404	23.089	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-07.D
Acq On : 8 Oct 2014 17:38
Operator : JLB
Sample : 1409499-07 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 15:31:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-07.D
Acq On : 8 Oct 2014 17:38
Operator : JLB
Sample : 1409499-07 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 15:31:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.486	152	485075	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.225	136	1821253	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.328	164	1010999	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.779	188	1489186	5.00	ng/uL	0.00
81) Chrysene-d12	21.445	240	1226991	5.00	ng/uL	# 0.00
89) Perylene-d12	23.089	264	1054404	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.055	112	1050525	9.48	ng/uL	-0.02
6) Phenol-d6	6.774	99	901209	6.28	ng/uL	-0.02
21) Nitrobenzene-d5	8.651	82	901688	7.75	ng/uL	-0.01
23) Decafluorobiphenyl	8.884	334	503053	6.16	ng/uL	0.00
47) 2-Fluorobiphenyl	12.801	172	1581300	7.57	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.217	330	369764	16.37	ng/uL	0.00
78) o-Terphenyl	18.554	230	1128906	8.84	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.840	74	127	0.00	ng/uL#	1
3) Pyridine	3.178	79	355	0.00	ng/uL#	14
5) Aniline	6.850	93	1290	0.23	ng/uL#	1
7) Phenol	6.798	94	3574	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.850	93	1290	0.01	ng/uL#	46
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.068	45	200	0.00	ng/uL	91
14) Benzyl Alcohol	7.789	108	973	0.01	ng/uL#	25
15) 2-Methylphenol	7.829	108	208	0.00	ng/uL#	41
16) Acetophenone	8.342	105	2771	0.02	ng/uL	97
17) Hexachloroethane	8.529	119	79	0.00	ng/uL#	3
18) 4-Methylphenol	8.366	108	116	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.354	70	1978	0.02	ng/uL	100
22) Nitrobenzene	8.645	77	4346	0.03	ng/uL#	1
24) Isophorone	9.240	82	3911	0.02	ng/uL#	79
25) 2-Chloroaniline	9.158	127	629	0.00	ng/uL#	63
26) 2-Nitrophenol	8.978	139	11110	0.18	ng/uL#	39
27) 2,4-Dimethylphenol	9.555	107	141	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.776	93	420	0.00	ng/uL#	41
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.642	105	12796	2.58	ng/uL	89
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.266	128	1717	0.00	ng/uL#	1
33) 4-Chloroaniline	10.837	127	344	0.00	ng/uL#	57
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.251	55	53435	1.02	ng/uL#	38
37) 1,2-Bis(2-chloroethoxy...	11.245	63	207	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.618	107	497	0.00	ng/uL#	59
39) 2-Methylnaphthalene	11.886	142	1487	0.01	ng/uL#	74
40) 1-Methylnaphthalene	12.114	142	1019	0.00	ng/uL#	89
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-07.D
Acq On : 8 Oct 2014 17:38
Operator : JLB
Sample : 1409499-07 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 15:31:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.023	162	138	0.00	ng/uL	89
49) 1,1'-Biphenyl	13.011	154	1540	0.01	ng/uL#	76
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	13.973	152	386	0.00	ng/uL	94
52) 2,6-Dinitrotoluene	13.932	165	6029	0.12	ng/uL#	32
53) Dimethyl Phthalate	13.815	163	10031	0.05	ng/uL#	82
54) 3-Nitroaniline	14.323	138	128	0.00	ng/uL#	1
55) Acenaphthene	14.398	153	574	0.00	ng/uL#	87
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.824	168	707	0.00	ng/uL#	18
58) 4-Nitrophenol	14.777	65	185	0.00	ng/uL#	1
59) 2,4-Dinitrotoluene	14.876	165	130	0.00	ng/uL#	42
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.640	166	1401	0.01	ng/uL#	1
63) Diethyl Phthalate	15.529	149	44015	0.21	ng/uL	94
64) 4-Chlorophenyl Phenyl ...	15.890	204	2149	0.02	ng/uL#	1
65) 4-Nitroaniline	15.815	138	203	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.529	198	748	1.01	ng/uL#	1
68) N-Nitroso-diphenylamine	15.995	169	1558	0.01	ng/uL#	53
69) 1,2-Diphenylhydrazine	16.118	182	2575	0.04	ng/uL#	23
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.365	200	318	0.01	ng/uL	87
74) Pentachlorophenol	17.423	266	781	0.02	ng/uL#	1
75) Phenanthrene	17.820	178	7852	0.03	ng/uL	97
76) Anthracene	17.919	178	1517	0.01	ng/uL#	94
77) Carbazole	18.251	167	1494	0.01	ng/uL#	88
79) Di-n-butyl Phthalate	18.945	149	789220	2.75	ng/uL	99
80) Fluoroanthene	19.720	202	8347	0.03	ng/uL	97
82) Pyrene	20.017	202	6678	0.02	ng/uL#	1
83) Butyl Benzyl Phthalate	20.856	149	12684	0.11	ng/uL	93
84) Bis(2-ethylhexyl) adipate	20.787	129	527887	4.70	ng/uL#	100
85) Benzo(a)anthracene	21.445	228	4886	0.02	ng/uL#	1
86) Chrysene	21.474	228	4665	0.02	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.486	149	838285	5.70	ng/uL	90
88) Di-n-octyl Phthalate	22.127	149	70084	0.60	ng/uL#	83
90) Benzo(b)fluoroanthene	22.611	252	5429	0.03	ng/uL#	85
91) Benzo(k)fluoranthene	22.675	252	147	0.00	ng/uL#	1
92) Benzo(a)pyrene	23.007	252	1549	0.01	ng/uL#	79
93) Indeno(1,2,3-cd)pyrene	24.668	276	2906	0.02	ng/uL	99
94) Dibdenz(a,h)anthracene	24.709	278	1738	0.01	ng/uL	92
95) Benzo(g,h,i)Perylene	25.135	276	2600	0.02	ng/uL#	51

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-07.D
Acq On : 8 Oct 2014 17:38
Operator : JLB
Sample : 1409499-07 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 09:03:22 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration

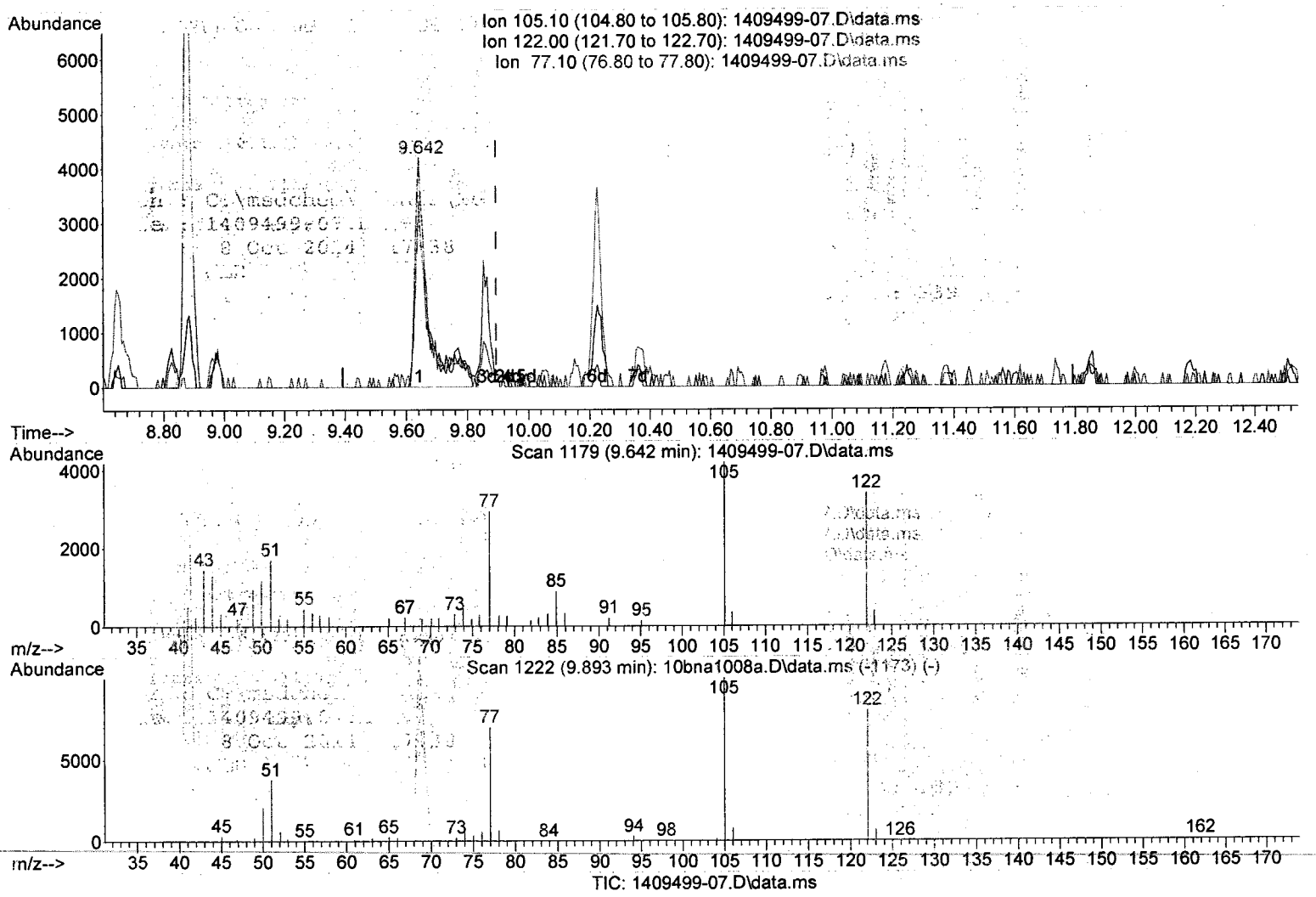
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.486	152	472021	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.225	136	1821253	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.328	164	1008726	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.779	188	1489186	5.00	ng/uL		0.00
19) Chrysene-d12	21.445	240	1226991	5.00	ng/uL	#	0.00
22) Perylene-d12	23.089	264	1054404	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.840	74	127	0.00	ng/uL	#	1
3) Pyridine	3.178	79	355	0.00	ng/uL	#	14
4) Aniline	6.850	93	1290	0.01	ng/uL	#	1
5) Benzaldehyde	6.652	105	3366	0.03	ng/uL	#	49
6) Acetophenone	8.342	105	2771	0.02	ng/uL		97
7) N-Nitroso-di-n-propyla...	8.354	70	1978	0.02	ng/uL		96
9) 4-Chloroaniline	10.441	127	138	0.01	ng/uL	#	85
10) Caprolactam	11.181	55	4017	0.16	ng/uL	#	1
12) 1,1'-Biphenyl	13.011	154	1540	0.01	ng/uL	#	76
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.323	138	128	Below Cal		#	1
15) 4-Nitroaniline	15.733	138	84	Below Cal		#	1
17) N-Nitroso-diphenylamine	15.995	169	1558	0.01	ng/uL	#	53
18) Atrazine	17.365	200	318	Below Cal			87
20) Benzidine	19.965	184	1690	0.42	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.416	252	184	0.00	ng/uL	#	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-07.D
Acq On : 8 Oct 2014 17:38
Operator : JLB
Sample : 1409499-07 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 15:31:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.642min (-0.251) 2.58 ng/uL

response 12796

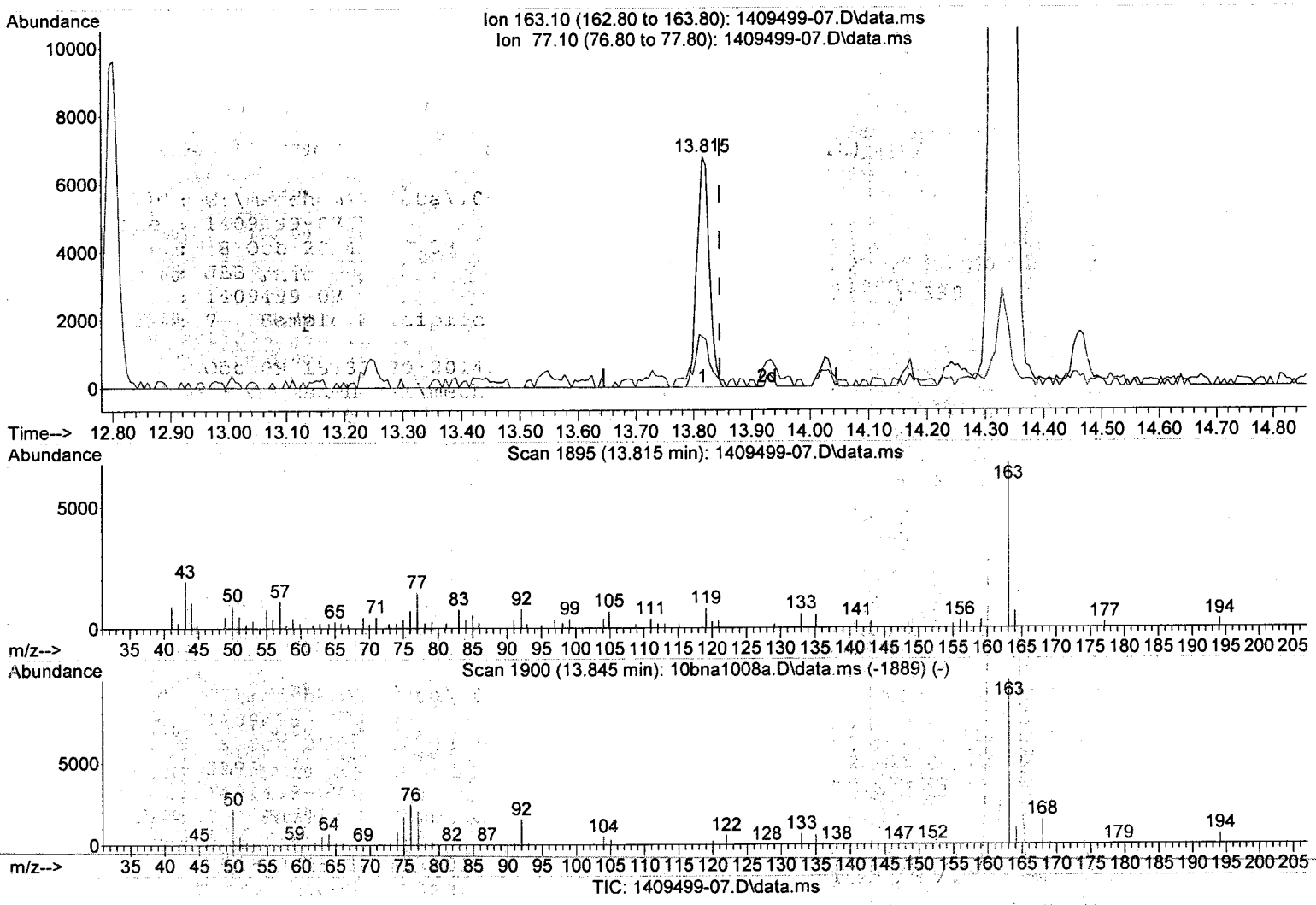
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	67.04
77.10	74.70	81.08
0.00	0.00	0.00

003140

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-07.D
Acq On : 8 Oct 2014 17:38
Operator : JLB
Sample : 1409499-07 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 15:31:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1409499-07.D\data.ms

(53) Dimethyl Phthalate

13.815min (-0.029) 0.05 ng/uL

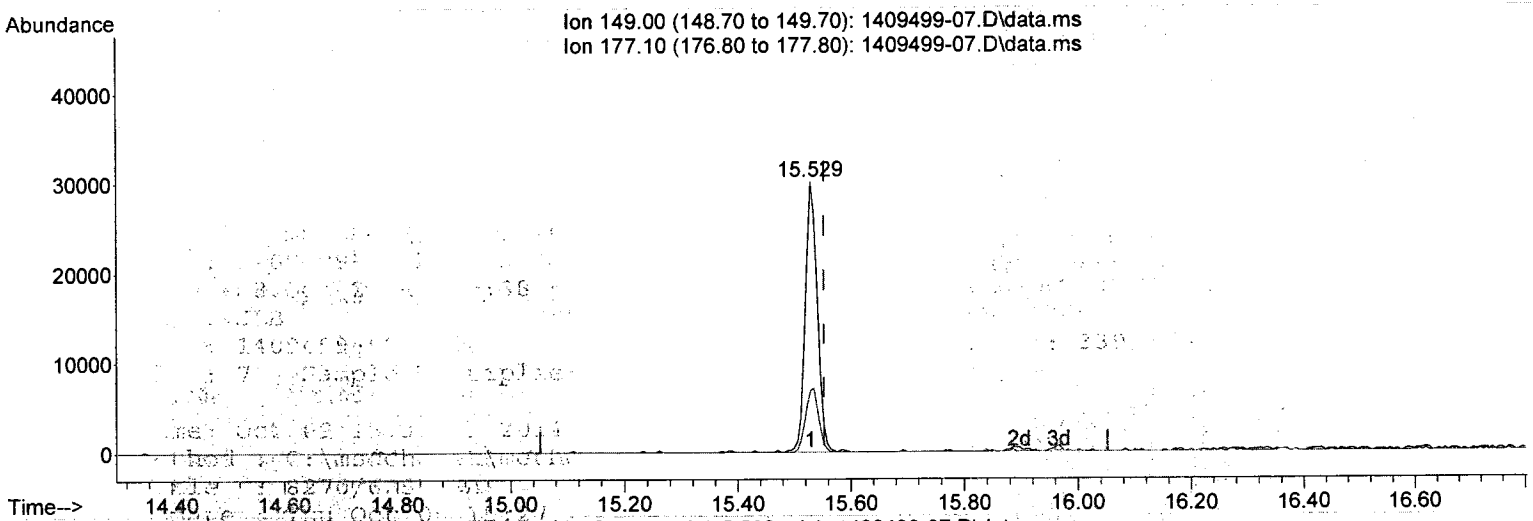
response 10031

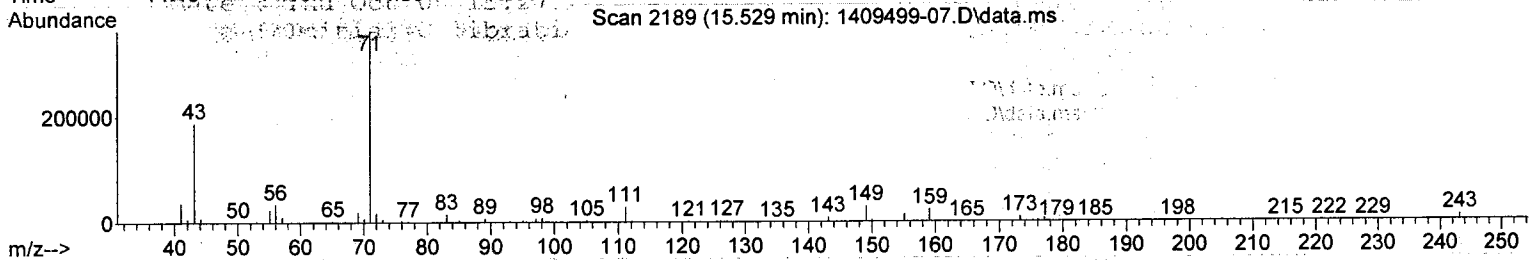
Ion	Exp%	Act%
163.10	100.00	100.00
77.10	22.60	31.32#
0.00	0.00	0.00
0.00	0.00	0.00

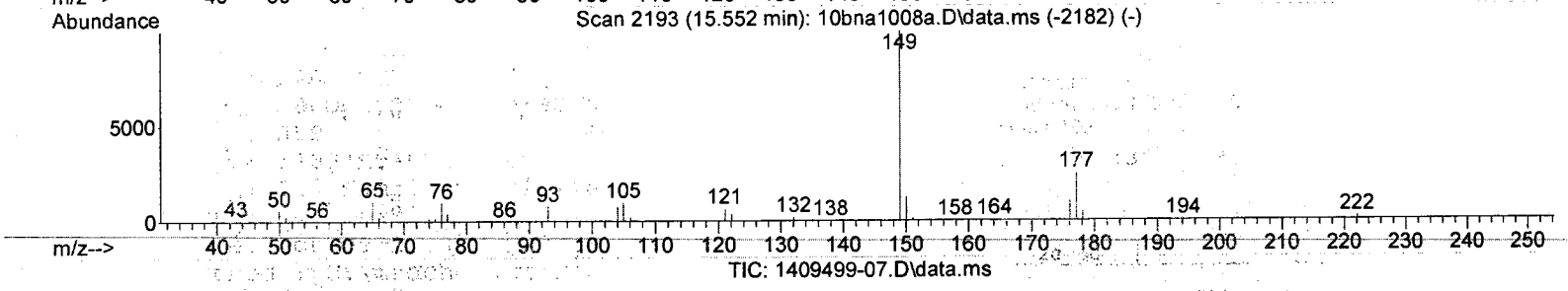
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-07.D
Acq On : 8 Oct 2014 17:38
Operator : JLB
Sample : 1409499-07 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 15:31:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409499-07.D\data.ms

(63) Diethyl Phthalate

15.529min (-0.023) 0.21 ng/uL

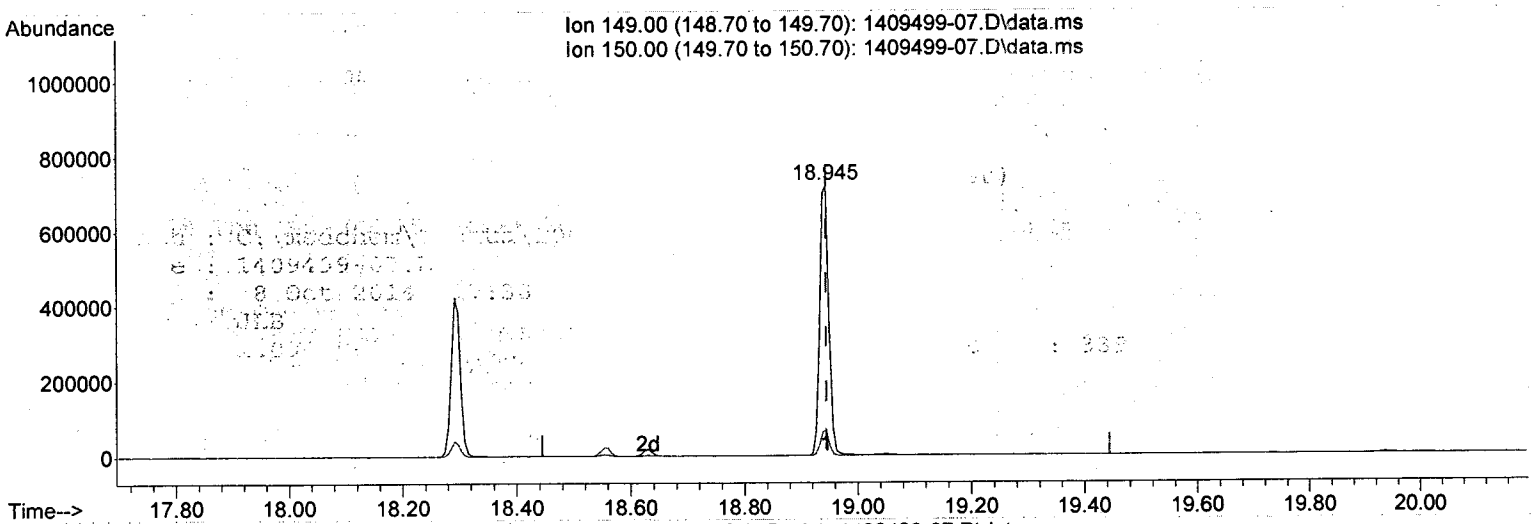
response 44015

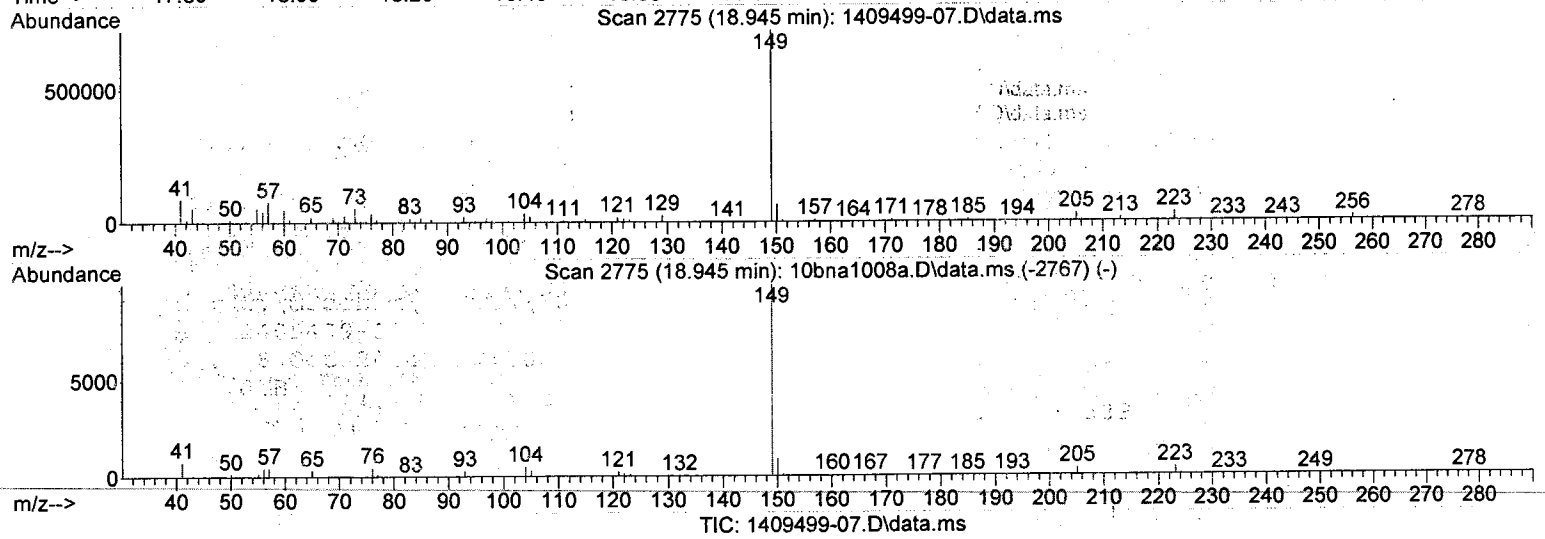
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	25.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-07.D
Acq On : 8 Oct 2014 17:38
Operator : JLB
Sample : 1409499-07 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 15:31:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration





TIC: 1409499-07.D\data.ms

(79) Di-n-butyl Phthalate

18.945min (+ 0.000) 2.75 ng/uL

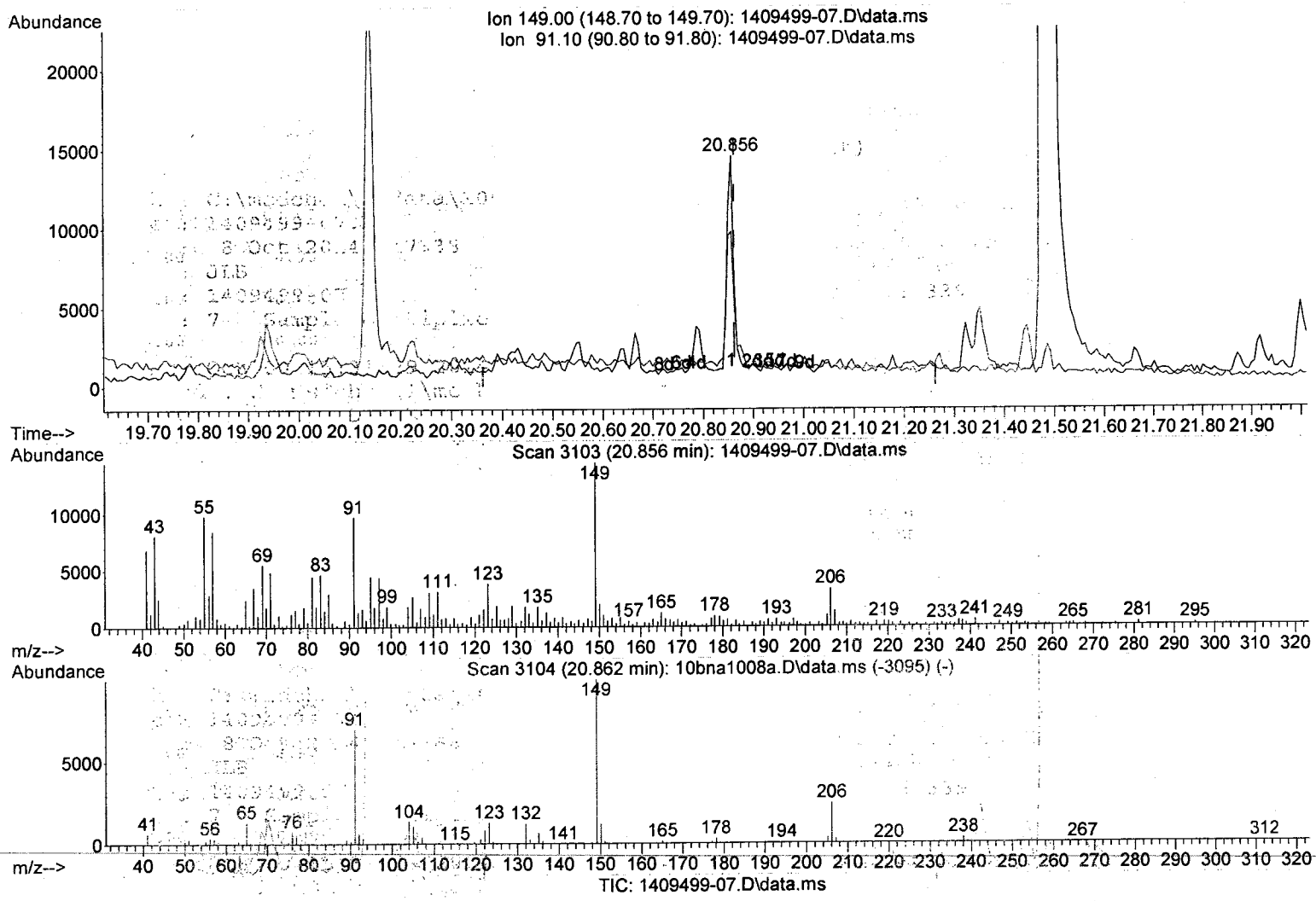
response 789220

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-07.D
Acq On : 8 Oct 2014 17:38
Operator : JLB
Sample : 1409499-07 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 15:31:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1409499-07.D\data.ms

(83) Butyl Benzyl Phthalate

20.856min (-0.006) 0.11 ng/uL

response 12684

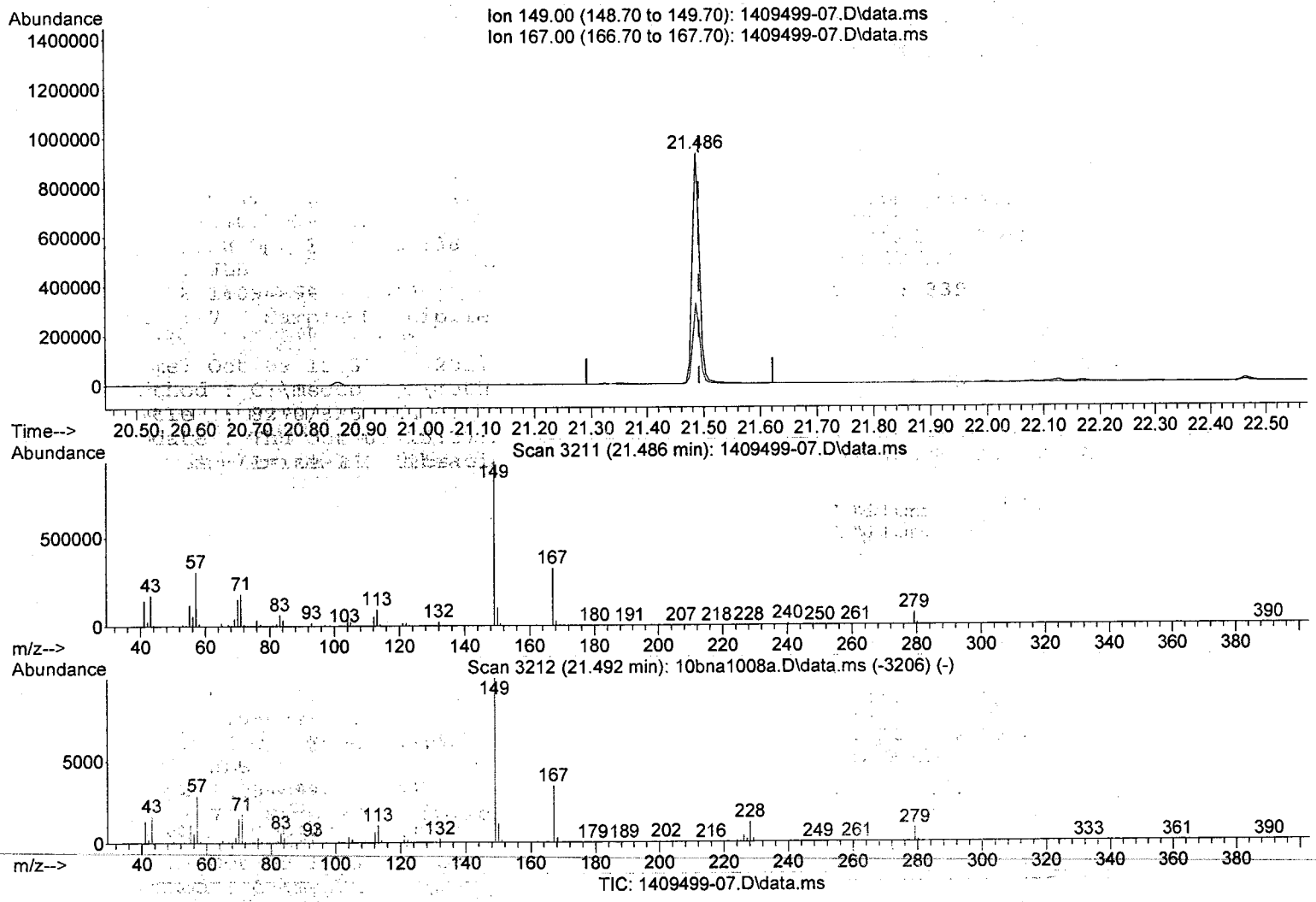
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	77.68
0.00	0.00	0.00
0.00	0.00	0.00

003144

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-07.D
Acq On : 8 Oct 2014 17:38
Operator : JLB
Sample : 1409499-07 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 15:31:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.486min (-0.006) 5.70 ng/uL

response 838285

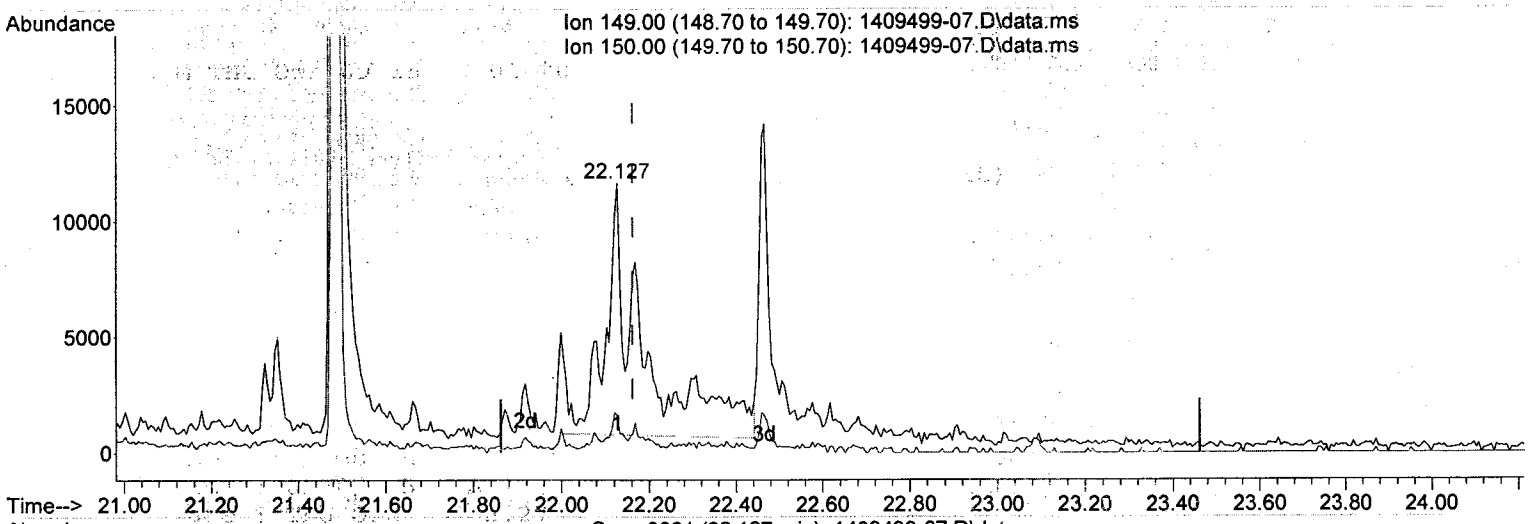
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.37
0.00	0.00	0.00
0.00	0.00	0.00

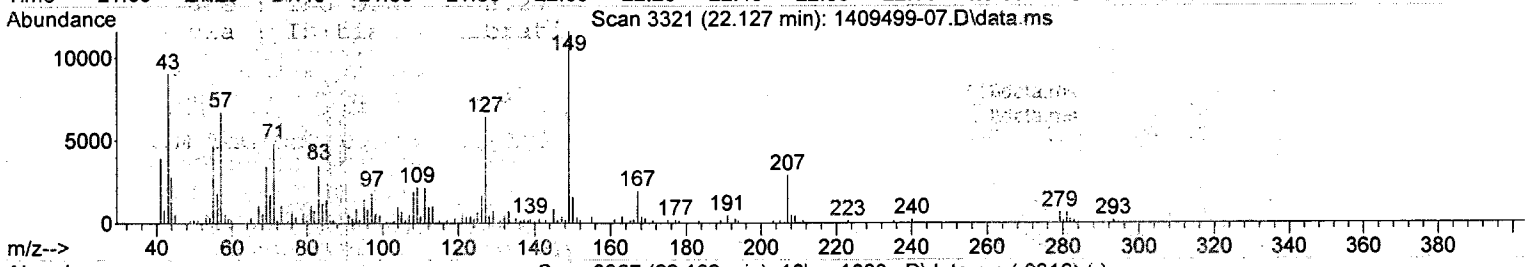
003145

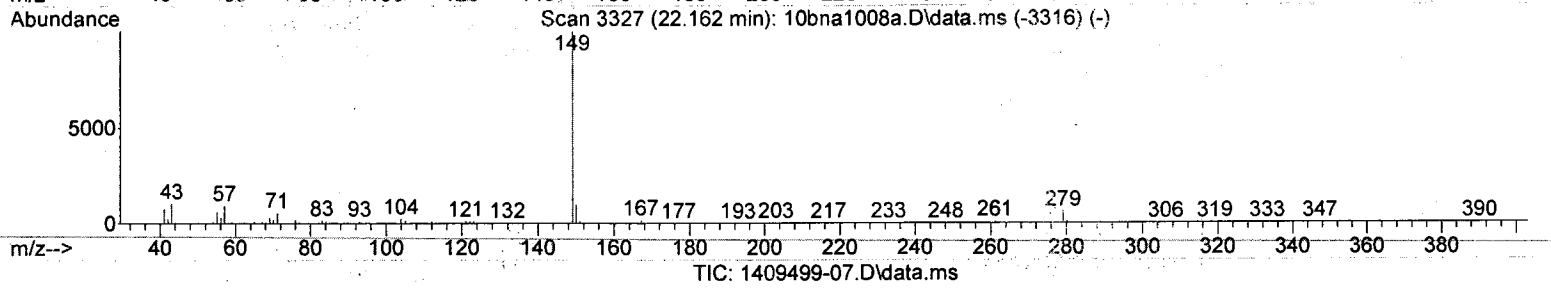
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-07.D
Acq On : 8 Oct 2014 17:38
Operator : JLB
Sample : 1409499-07 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 15:31:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409499-07.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.127min (-0.035) 0.60 ng/uL

response 70084

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	3.30#
0.00	0.00	0.00
0.00	0.00	0.00

pp

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-08
File ID: 1409499-08.D
Sampled: 09/26/14 09:30
Prepared: 10/02/14 07:41
Analyzed: 10/08/14 19:15
Solids: 96.65
Preparation: 3550C Sonication Extract
Initial/Final: 29.3 grams / 1 mL
QC Batch: 1410563
Sequence: 4J09062
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	8.6	2.0	8.6	17	U
207-08-9	Benzo(k)fluoranthene	1	8.6	2.0	8.6	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.6	2.0	8.6	34	U
65-85-0	Benzoic Acid	1	89	72	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-08
File ID: 1409499-08.D
Sampled: 09/26/14 09:30
Prepared: 10/02/14 07:41
Analyzed: 10/08/14 19:15
Solids: 96.65
Preparation: 3550C Sonication Extract
Initial/Final: 29.3 grams / 1 mL
QC Batch: 1410563
Sequence: 4J09062
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	42	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	12	4.0	17	170	J
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	706	526	75	33 - 113	
Phenol-d6	706	552	78	30 - 115	
Nitrobenzene-d5	353	279	79	33 - 131	
2-Fluorobiphenyl	353	287	81	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-08
File ID: 1409499-08.D
Sampled: 09/26/14 09:30
Prepared: 10/02/14 07:41
Analyzed: 10/08/14 19:15
Solids: 96.65
Preparation: 3550C Sonication Extract
Initial/Final: 29.3 grams / 1 mL
QC Batch: 1410563
Sequence: 4J09062
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	706	616	87	12 - 124	
o-Terphenyl	353	309	87	20 - 155	

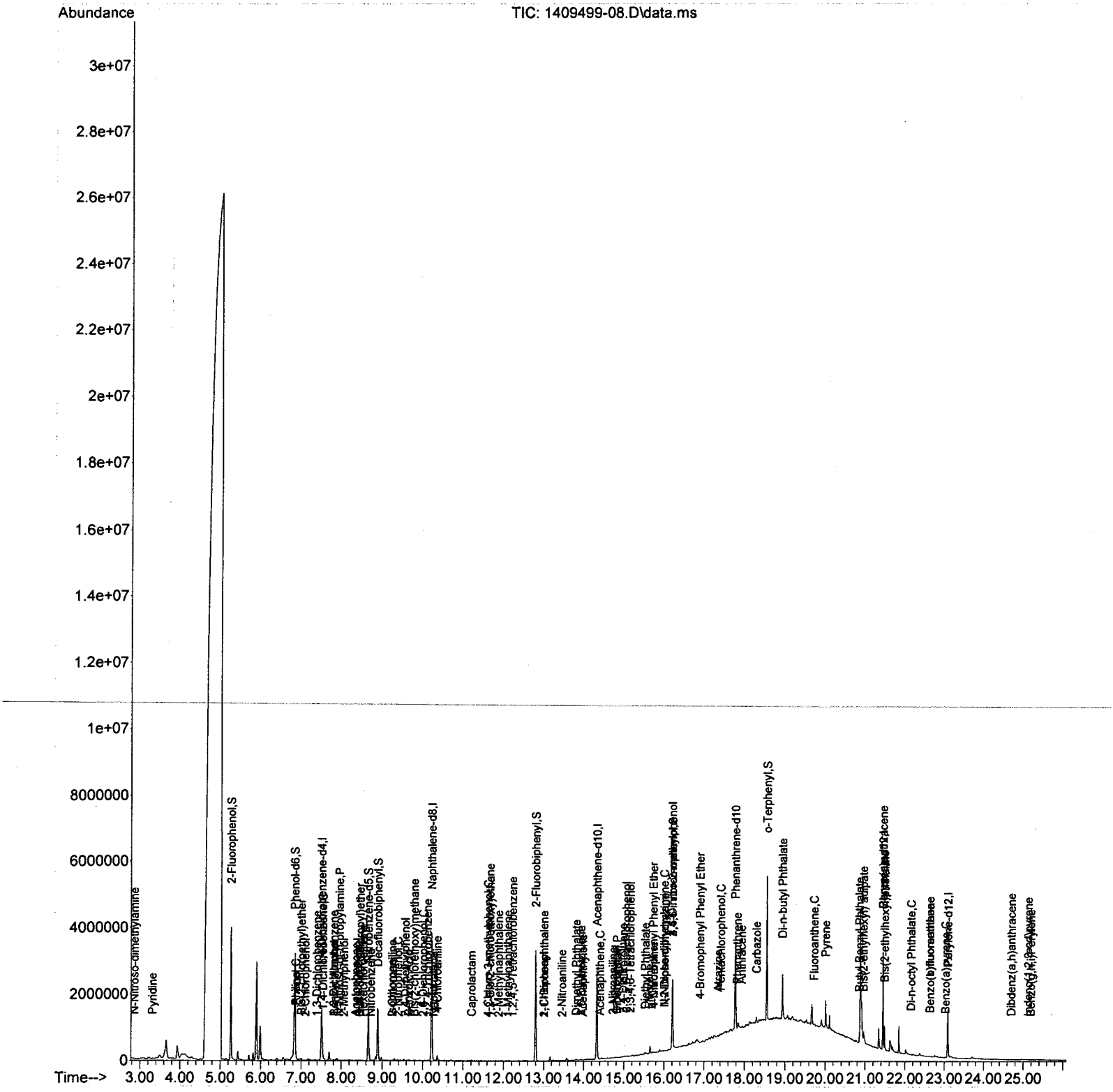
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	487975	7.509	403279	7.614	
Naphthalene-d8	1878269	10.225	1529030	10.359	
Acenaphthene-d10	1106514	14.328	866604	14.474	
Phenanthrene-d10	1607897	17.779	1400442	17.901	
Chrysene-d12	1227636	21.445	1153654	21.538	
Perylene-d12	803949	23.089	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-08.D
Acq On : 8 Oct 2014 19:15
Operator : JLB
Sample : 1409499-08 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:39:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-08.D
Acq On : 8 Oct 2014 19:15
Operator : JLB
Sample : 1409499-08 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:39:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.509	152	487975	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.225	136	1878269	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.328	164	1106514	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.779	188	1607897	5.00	ng/uL	0.00
81) Chrysene-d12	21.445	240	1227636	5.00	ng/uL	# 0.00
89) Perylene-d12	23.089	264	803949	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.265	112	1662265	14.91	ng/uL	0.19
6) Phenol-d6	6.844	99	2257025	15.64	ng/uL	0.05
21) Nitrobenzene-d5	8.657	82	947935	7.90	ng/uL	0.00
23) Decafluorobiphenyl	8.890	334	683346	8.12	ng/uL	0.00
47) 2-Fluorobiphenyl	12.801	172	1861032	8.14	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.217	330	425272	17.44	ng/uL	0.00
78) o-Terphenyl	18.560	230	1205287	8.74	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.858	74	6344	0.09	ng/uL	93
3) Pyridine	3.312	79	443	0.00	ng/uL	84
5) Aniline	6.868	93	3585	0.25	ng/uL#	1
7) Phenol	6.868	94	55085	0.34	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.008	93	119	0.00	ng/uL#	15
9) 2-Chlorophenol	7.101	128	316	0.00	ng/uL#	66
10) 1,3-Dichlorobenzene	7.392	146	2183	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.538	146	1075	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.806	146	377	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.459	45	542	0.00	ng/uL	91
14) Benzyl Alcohol	7.818	108	2546	0.03	ng/uL	95
15) 2-Methylphenol	8.063	108	109	0.00	ng/uL#	1
16) Acetophenone	8.354	105	4081	0.02	ng/uL	84
17) Hexachloroethane	8.535	119	1061	0.02	ng/uL#	3
18) 4-Methylphenol	8.401	108	646	0.01	ng/uL#	62
19) N-Nitroso-di-n-propyla...	7.952	70	1318	0.01	ng/uL	82
22) Nitrobenzene	8.710	77	120	0.00	ng/uL#	1
24) Isophorone	9.234	82	2274	0.01	ng/uL#	87
25) 2-Chloroaniline	9.246	127	280	0.00	ng/uL#	77
26) 2-Nitrophenol	9.386	139	61	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.566	107	139	0.00	ng/uL	97
28) Bis(2-chlorethoxy)methane	9.788	93	239	0.00	ng/uL	91
29) 2,4-Dichlorophenol	10.009	162	562	0.01	ng/uL#	28
30) Benzoic Acid	9.654	105	6909m	2.52	ng/uL	
31) 1,2,4-Trichlorobenzene	10.114	180	1279	0.01	ng/uL	99
32) Naphthalene	10.272	128	1424	0.00	ng/uL#	1
33) 4-Chloroaniline	10.359	127	499	0.01	ng/uL#	9
34) 2,6-Dichlorophenol	10.009	162	562	0.01	ng/uL#	32
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.210	55	16944	0.31	ng/uL#	32
37) 1,2-Bis(2-chloroethoxy...	11.671	63	134	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.624	107	677	0.01	ng/uL#	1
39) 2-Methylnaphthalene	11.880	142	132	0.00	ng/uL#	1
40) 1-Methylnaphthalene	12.108	142	194	0.00	ng/uL#	59
41) 1,3 Dinitrobenzene	13.984	168	70	Below Cal		100

003151

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-08.D
Acq On : 8 Oct 2014 19:15
Operator : JLB
Sample : 1409499-08 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:39:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.230	216	119	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.011	162	553	0.00 ng/uL	90
49) 1,1'-Biphenyl	13.011	154	972	0.00 ng/uL#	74
50) 2-Nitroaniline	13.460	138	124	0.00 ng/uL#	1
51) Acenaphthylene	13.979	152	245	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.938	165	1137	0.02 ng/uL#	31
53) Dimethyl Phthalate	13.815	163	16759	0.07 ng/uL	92
54) 3-Nitroaniline	14.719	138	1468	0.03 ng/uL	95
55) Acenaphthene	14.404	153	131	0.00 ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.830	168	353	0.00 ng/uL#	1
58) 4-Nitrophenol	14.789	65	417	0.01 ng/uL#	1
59) 2,4-Dinitrotoluene	14.981	165	138	0.00 ng/uL	91
60) 2,3,5,6-Tetrachlorophenol	15.057	232	779	0.01 ng/uL#	57
61) 2,3,4,6-Tetrachlorophenol	15.156	232	857	0.02 ng/uL#	55
62) Fluorene	15.634	166	960	0.00 ng/uL#	52
63) Diethyl Phthalate	15.535	149	18040m	0.08 ng/uL	
64) 4-Chlorophenyl Phenyl ...	15.733	204	2334	0.02 ng/uL#	53
65) 4-Nitroaniline	15.745	138	813	0.02 ng/uL#	56
67) 4,6-Dinitro-2-methylph...	16.211	198	1123	~~1.01~~ ng/uL#	35
68) N-Nitroso-diphenylamine	16.007	169	442	0.00 ng/uL#	1
69) 1,2-Diphenylhydrazine	16.013	182	116	0.00 ng/uL	82
71) 4-Bromophenyl Phenyl E...	16.899	248	1737	0.03 ng/uL#	14
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.348	200	810	0.02 ng/uL	94
74) Pentachlorophenol	17.418	266	1113	0.03 ng/uL#	26
75) Phenanthrene	17.826	178	1920	0.01 ng/uL#	73
76) Anthracene	17.930	178	2285	0.01 ng/uL#	45
77) Carbazole	18.298	167	4253	0.02 ng/uL#	1
79) Di-n-butyl Phthalate	18.945	149	33772	0.11 ng/uL#	72
80) Fluoroanthene	19.726	202	2123	0.01 ng/uL#	53
82) Pyrene	20.011	202	2022	0.01 ng/uL#	1
83) Butyl Benzyl Phthalate	20.856	149	5298	0.05 ng/uL#	78
84) Bis(2-ethylhexyl) adipate	20.961	129	5220	0.12 ng/uL#	100
85) Benzo(a)anthracene	21.445	228	4654	0.02 ng/uL#	1
86) Chrysene	21.445	228	4513	0.02 ng/uL	92
87) Bis(2-ethylhexyl)phtha...	21.486	149	176466	1.20 ng/uL	91
88) Di-n-octyl Phthalate	22.156	149	86752	~~0.66~~ ng/uL#	76
90) Benzo(b)fluoroanthene	22.634	252	695	0.00 ng/uL#	66
91) Benzo(k)fluoranthene	22.634	252	695	0.00 ng/uL	92
92) Benzo(a)pyrene	23.031	252	349	0.00 ng/uL#	57
93) Indeno(1,2,3-cd)pyrene	25.129	276	2734	0.02 ng/uL#	47
94) Dibdenz(a,h)anthracene	24.703	278	1152	0.01 ng/uL#	52
95) Benzo(g,h,i)Perylene	25.193	276	118	0.00 ng/uL#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-08.D
Acq On : 8 Oct 2014 19:15
Operator : JLB
Sample : 1409499-08 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 09:04:50 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration

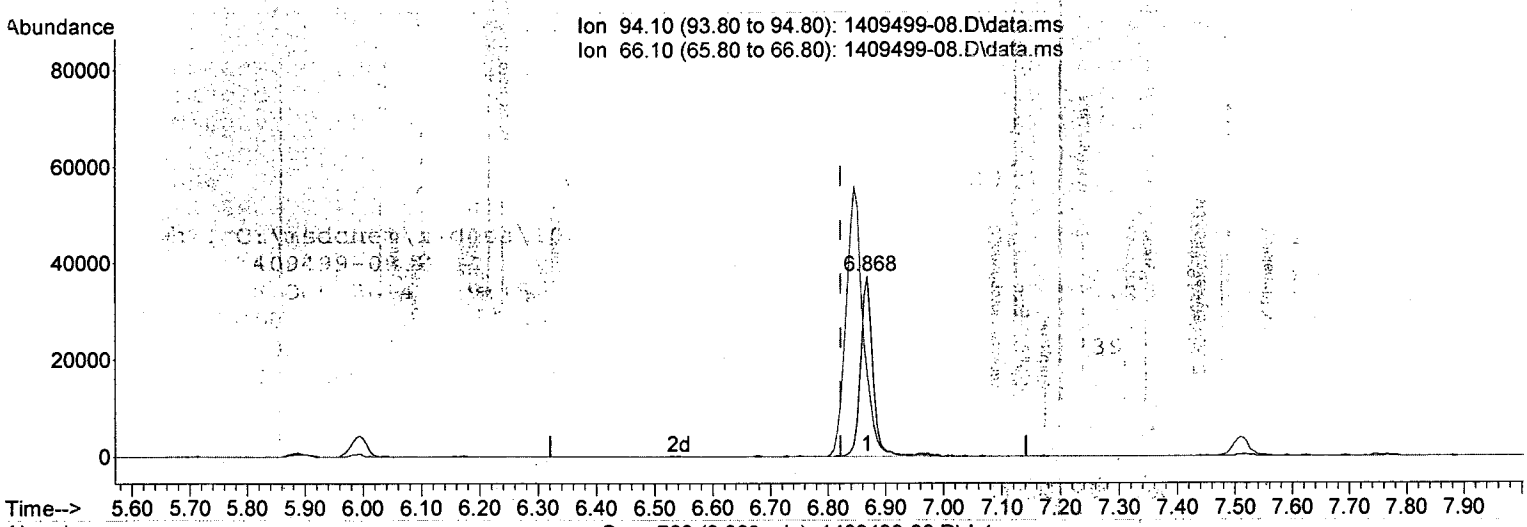
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.509	152	480986	5.00	ng/uL	# 0.02
8) Naphthalene-d8	10.225	136	1878269	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.328	164	1106625	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.779	188	1607761	5.00	ng/uL	0.00
19) Chrysene-d12	21.445	240	1227636	5.00	ng/uL	# 0.00
22) Perylene-d12	23.089	264	806017	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.236	74	16400	0.22	ng/uL#	9
3) Pyridine	3.312	79	443	0.00	ng/uL	84
4) Aniline	6.868	93	3585	0.02	ng/uL#	1
5) Benzaldehyde	6.623	105	14332	0.14	ng/uL#	85
6) Acetophenone	8.354	105	4081	0.02	ng/uL	84
7) N-Nitroso-di-n-propyla...	7.952	70	1318	0.01	ng/uL	82
9) 4-Chloroaniline	10.837	127	219	0.01	ng/uL	99
10) Caprolactam	11.210	55	4005	0.16	ng/uL#	39
12) 1,1'-Biphenyl	13.011	154	972	0.00	ng/uL#	74
13) 2-Nitroaniline	13.460	138	124	0.01	ng/uL#	1
14) 3-Nitroaniline	14.719	138	1468	Below Cal		95
15) 4-Nitroaniline	15.745	138	503	Below Cal	#	56
17) N-Nitroso-diphenylamine	16.007	169	442	0.00	ng/uL#	1
18) Atrazine	17.348	200	1231	Below Cal	#	71
20) Benzidine	20.110	184	25159	0.55	ng/uL#	71
21) 3,3'-Dichlorobenzidine	21.451	252	596	0.01	ng/uL	94

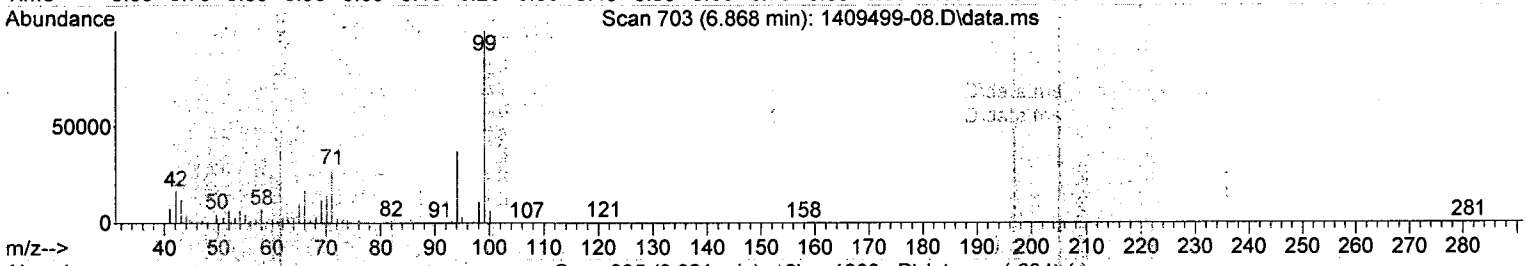
(#) = qualifier out of range (m) = manual integration (+) = signals summed

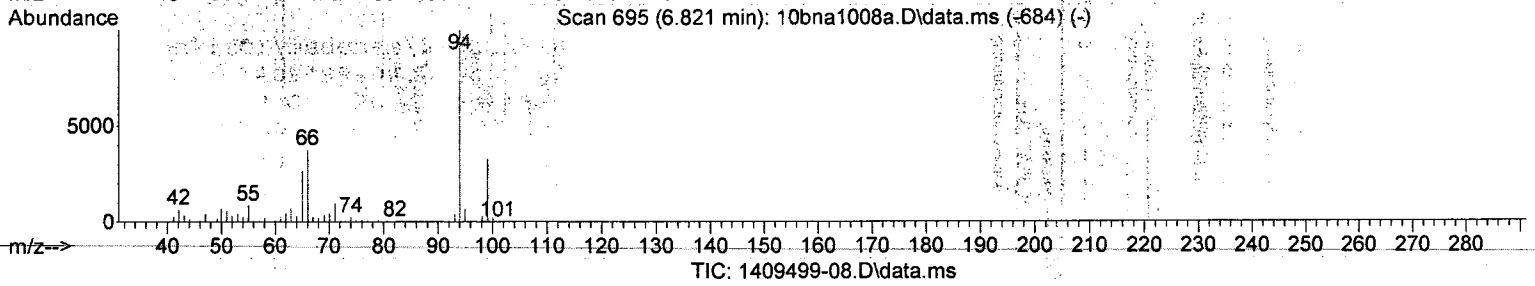
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-08.D
Acq On : 8 Oct 2014 19:15
Operator : JLB
Sample : 1409499-08 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:38:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409499-08.D\data.ms

(7) Phenol (C)

6.868min (+ 0.047) 0.34 ng/uL

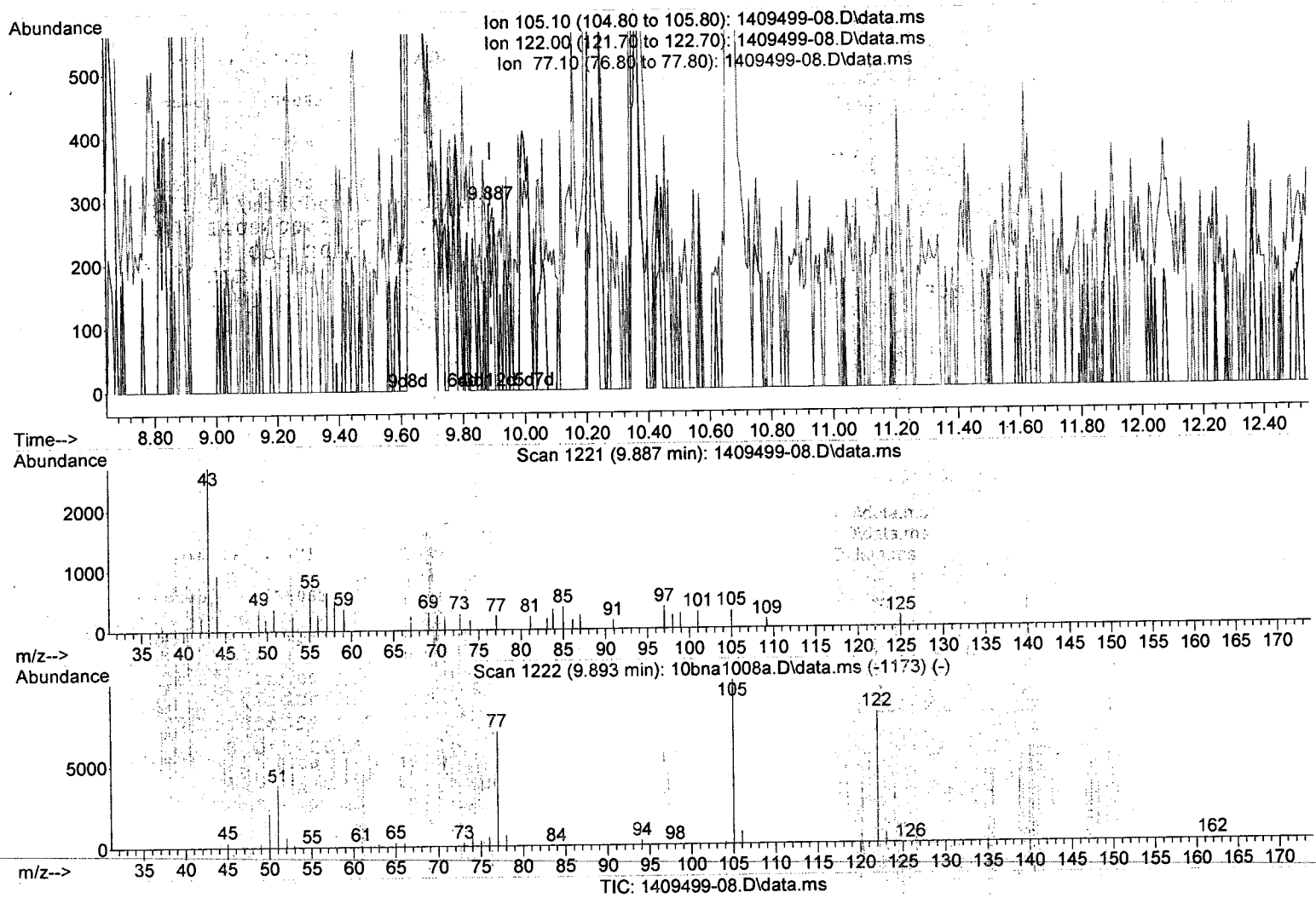
response 55085

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	209.52#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-08.D
Acq On : 8 Oct 2014 19:15
Operator : JLB
Sample : 1409499-08 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:38:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.887min (-0.006) 2.46 ng/uL

response 377

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	151.99#
0.00	0.00	0.00

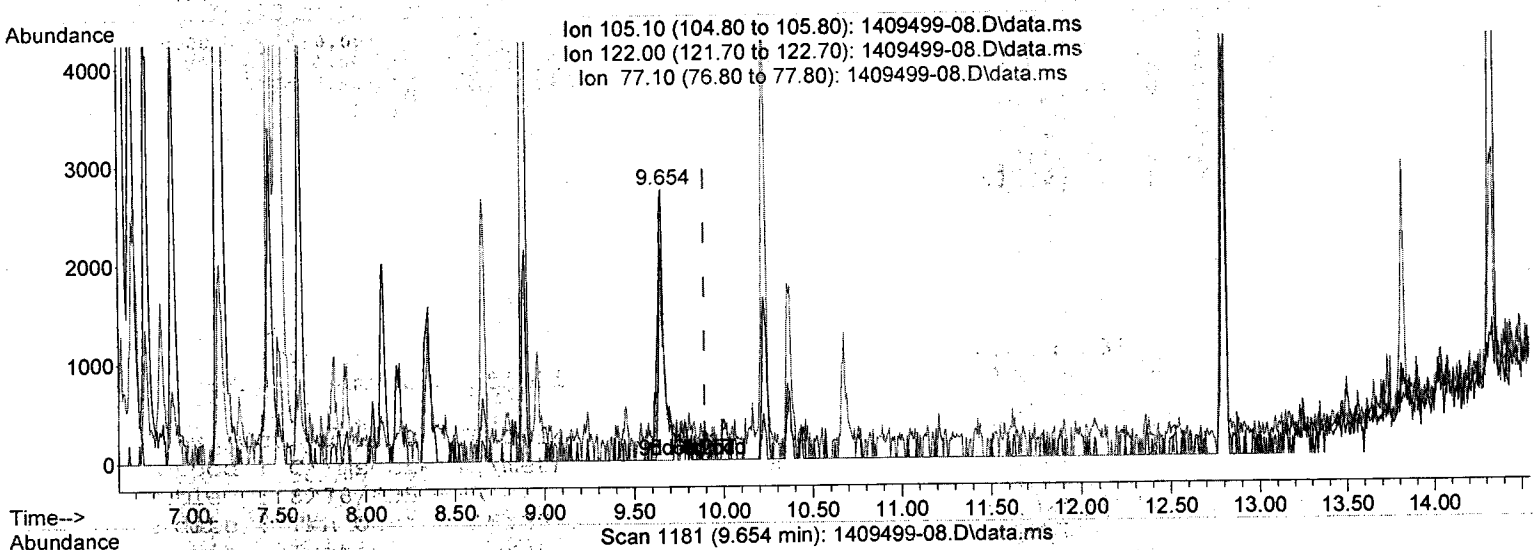
DWS 10-17-14

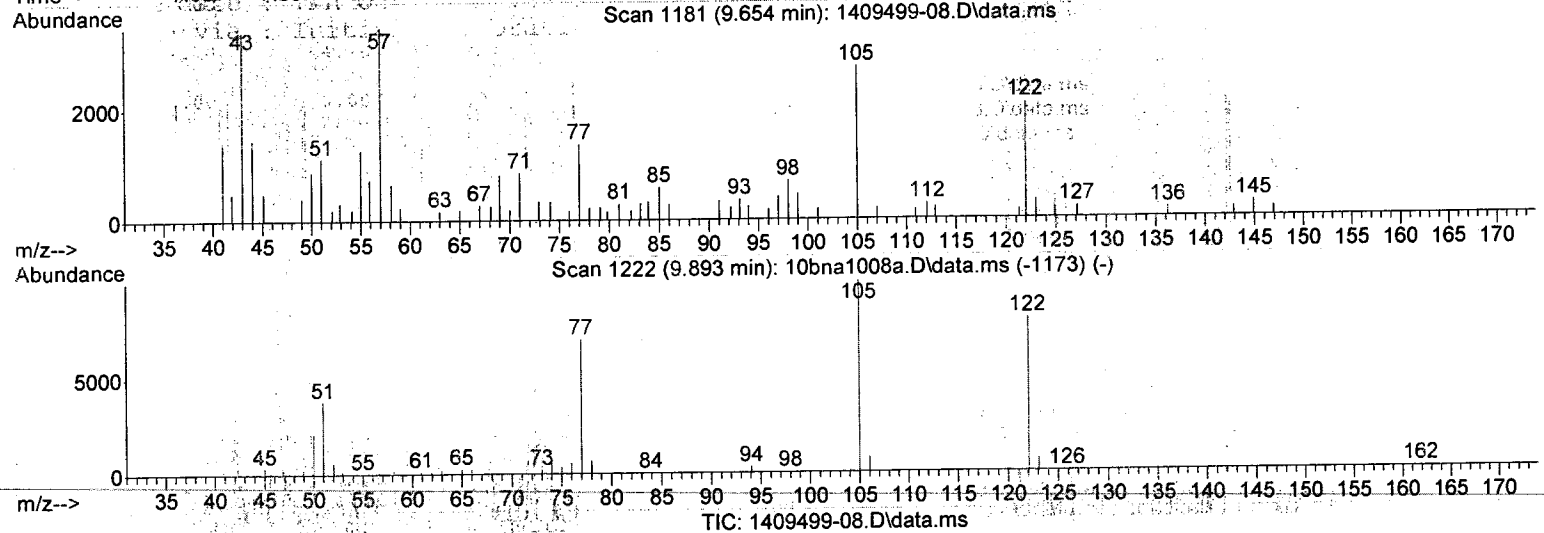
Justification

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-08.D
Acq On : 8 Oct 2014 19:15
Operator : JLB
Sample : 1409499-08 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:38:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration





TIC: 1409499-08.D\data.ms

(30) Benzoic Acid

9.654min (-0.239) 2.52 ng/uL m

response 6909

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	8.29#
0.00	0.00	0.00

Manual Integration Explanation

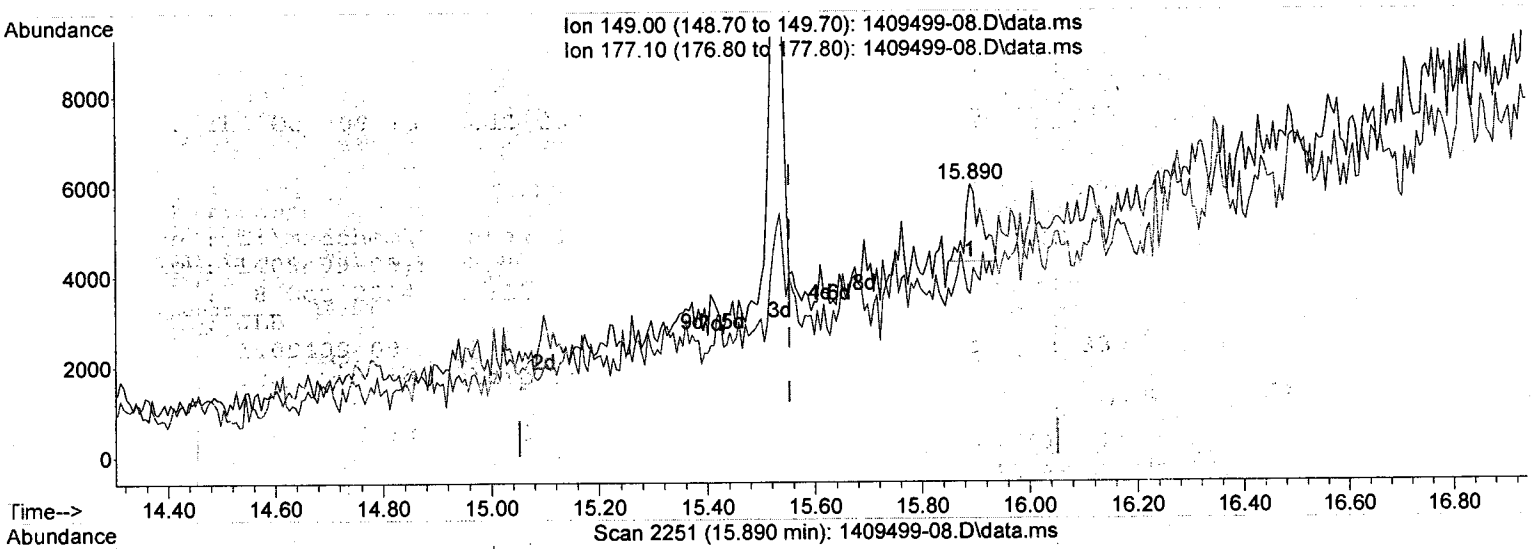
Reason 1: Incorrect peak integrated by the software.

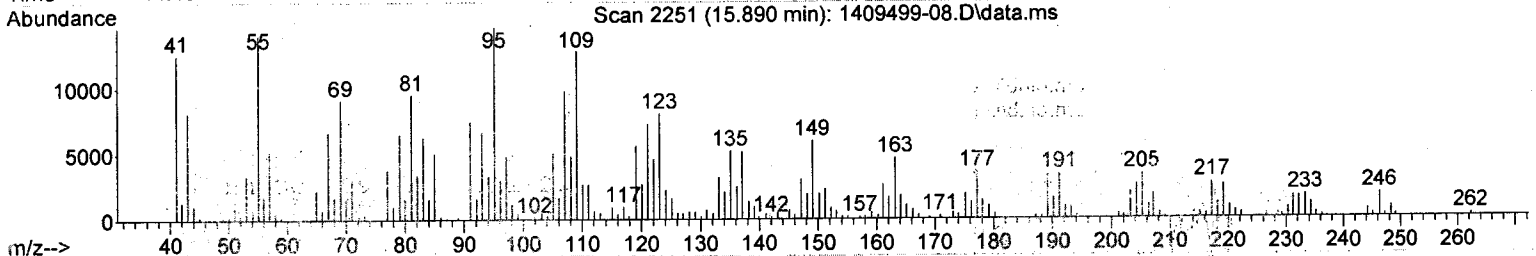
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/10/14
Reviewed By: DWF Date: 10-17-14

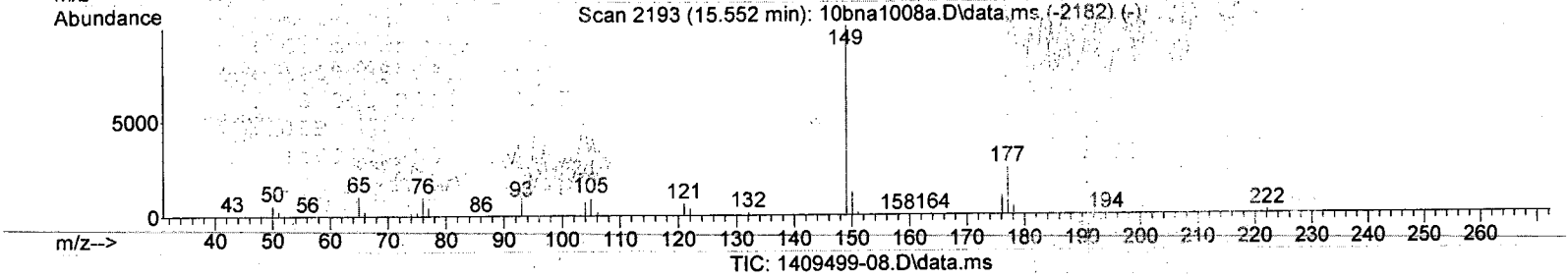
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-08.D
Acq On : 8 Oct 2014 19:15
Operator : JLB
Sample : 1409499-08 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:38:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409499-08.D\data.ms

(63) Diethyl Phthalate

15.890min (+ 0.338) 0.02 ng/uL

response 3609

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	32.60	25.52
0.00	0.00	0.00
0.00	0.00	0.00

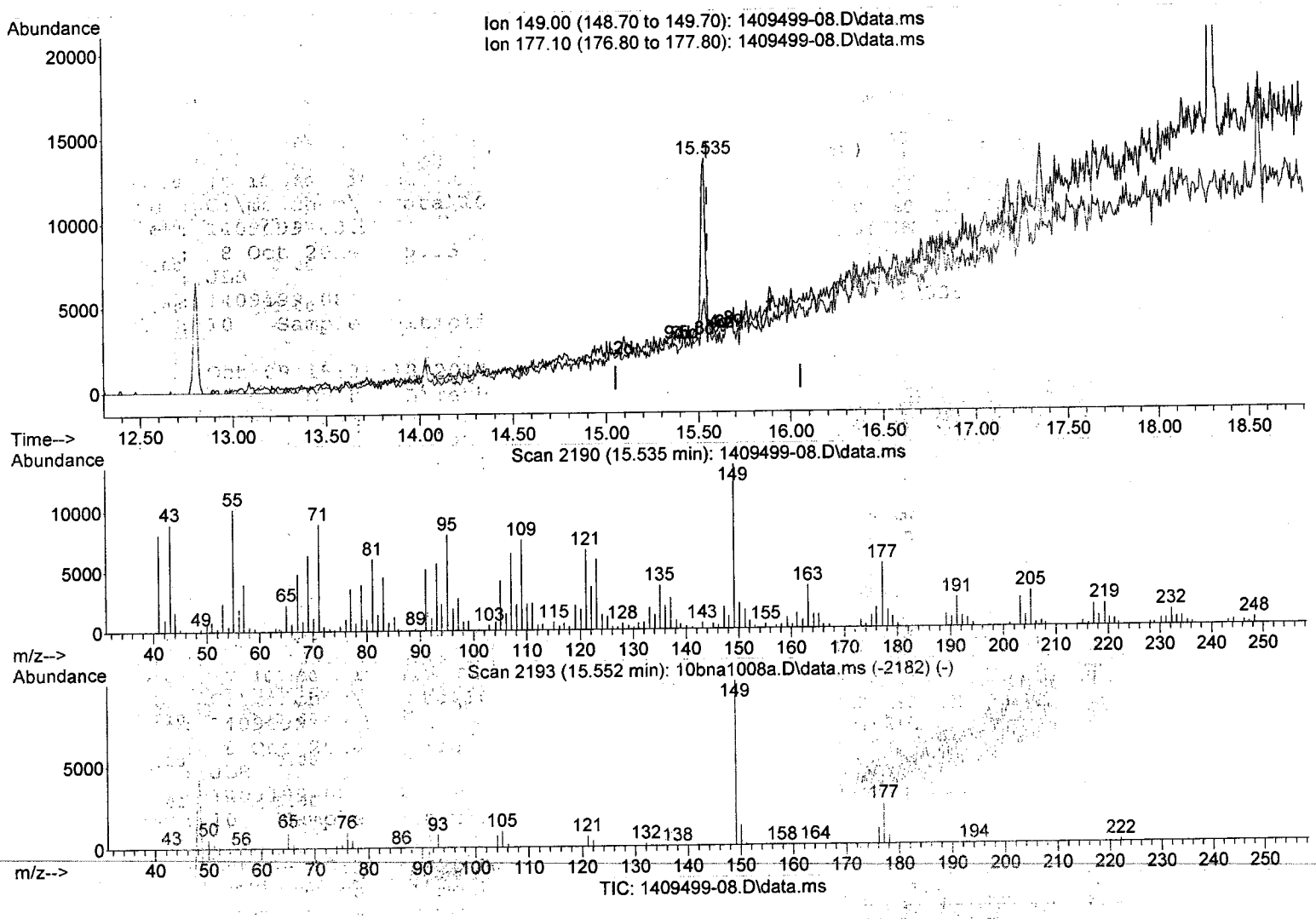
JLB 10/10/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-08.D
Acq On : 8 Oct 2014 19:15
Operator : JLB
Sample : 1409499-08
Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:38:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

15.535min (-0.017) 0.08 ng/uL m

response 18040

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	5.11#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JWB Date: 10/10/14
Reviewed By: DJC Date: 10-17-14

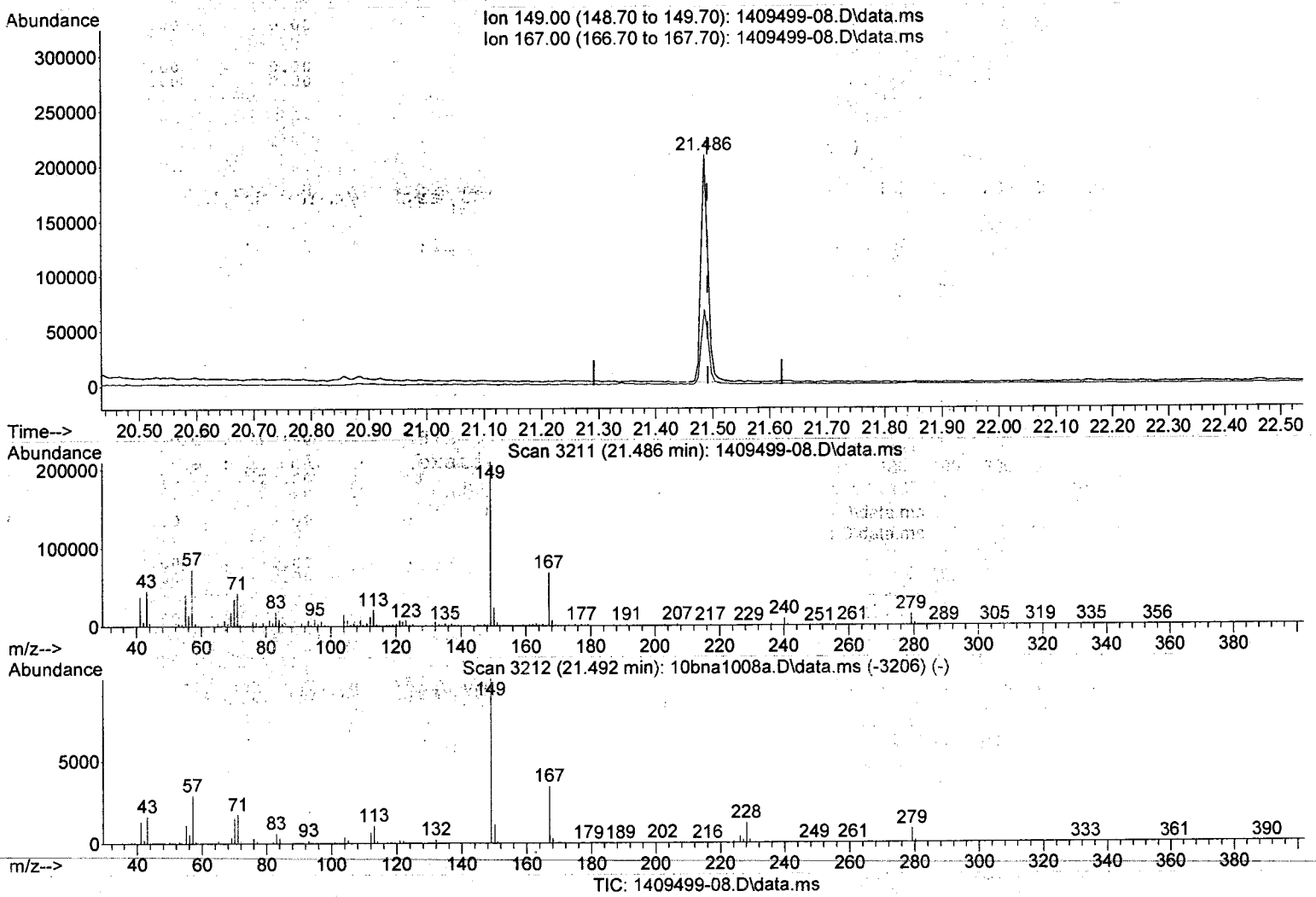
LMDL

003158

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-08.D
Acq On : 8 Oct 2014 19:15
Operator : JLB
Sample : 1409499-08 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:38:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1409499-08.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.486min (-0.006) 1.20 ng/uL

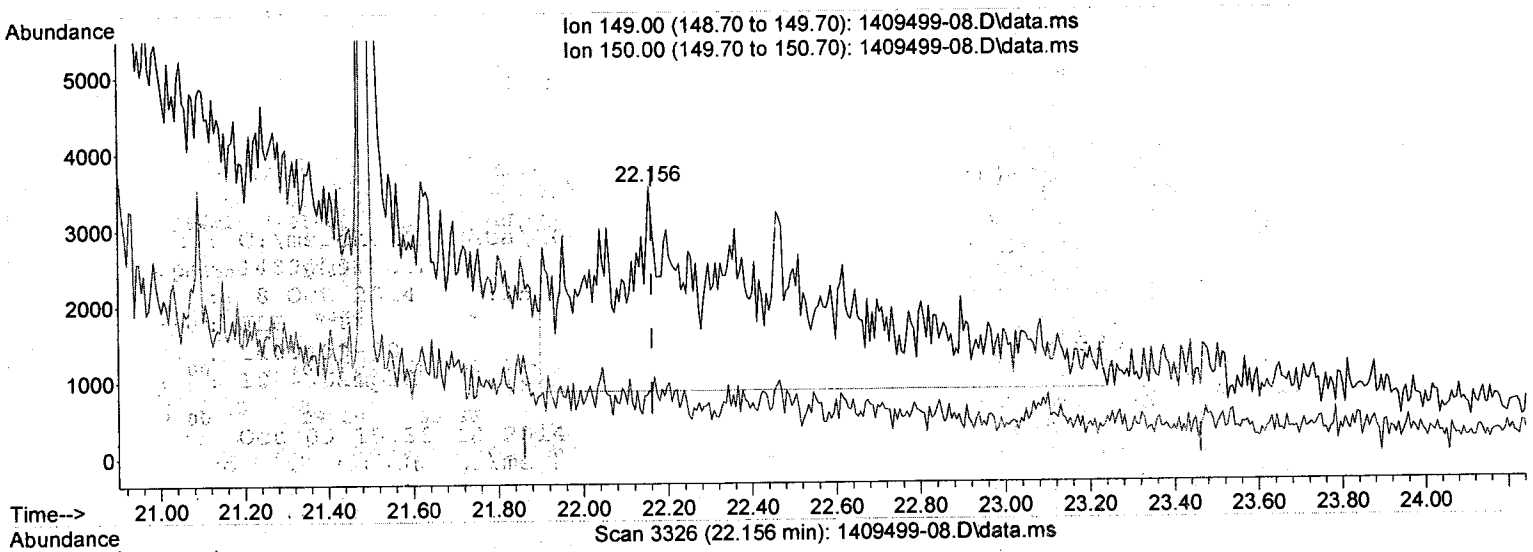
response 176466

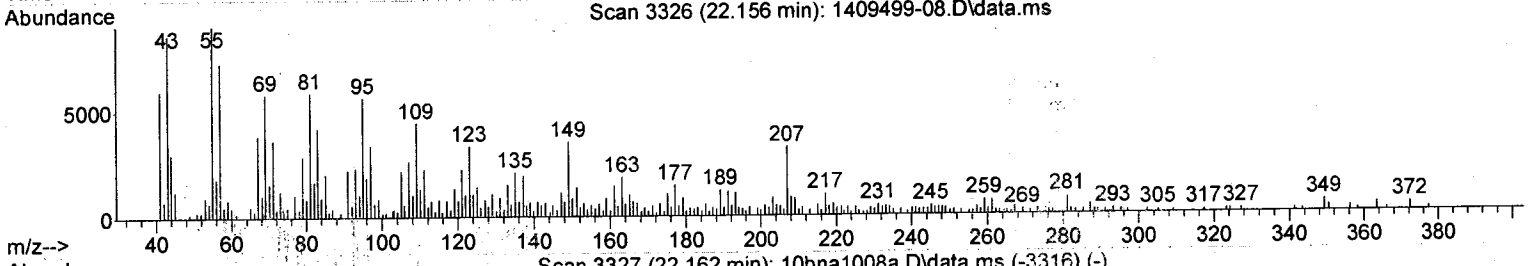
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.86
0.00	0.00	0.00
0.00	0.00	0.00

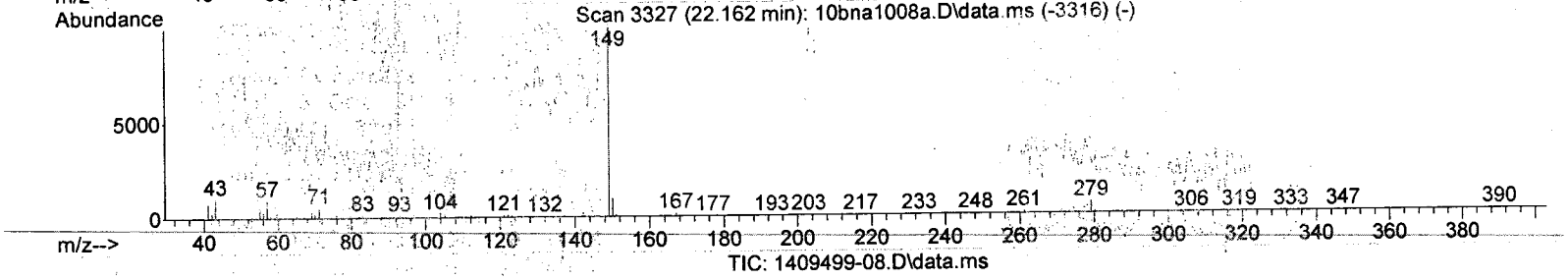
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-08.D
Acq On : 8 Oct 2014 19:15
Operator : JLB
Sample : 1409499-08 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:38:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409499-08.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.156min (-0.006) 0.66 ng/uL

response 86752

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.80#
0.00	0.00	0.00
0.00	0.00	0.00

003160

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-15DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-09 File ID: 1409499-09.D

Sampled: 09/26/14 09:30 Prepared: 10/02/14 07:41 Analyzed: 10/08/14 19:47

Solids: 95.47 Preparation: 3550C Sonication Extract Initial/Final: 31 grams / 1 mL

QC Batch: 1410563 Sequence: 4J09062 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.4	17	17	U
120-12-7	Anthracene	1	17	4.2	17	17	U
56-55-3	Benzo(a)anthracene	1	8.7	2.9	8.7	17	U
50-32-8	Benzo(a)pyrene	1	8.7	2.4	8.7	17	U
205-99-2	Benzo(b)fluoranthene	1	8.7	2.0	8.7	17	U
207-08-9	Benzo(k)fluoranthene	1	8.7	2.0	8.7	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.7	2.0	8.7	35	U
65-85-0	Benzoic Acid	1	85	72	170	350	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.2	17	35	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.3	17	70	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.7	3.8	8.7	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	4.0	17	17	U
218-01-9	Chrysene	1	17	4.1	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.7	2.0	8.7	35	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	35	14	35	70	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	700	290	700	870	U
120-83-2	2,4-Dichlorophenol	1	17	4.3	17	35	U
84-66-2	Diethyl Phthalate	1	17	5.1	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	70	22	70	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.7	4.2	8.7	17	U
121-14-2	2,4-Dinitrotoluene	1	8.7	3.4	8.7	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-15DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-09 File ID: 1409499-09.D

Sampled: 09/26/14 09:30 Prepared: 10/02/14 07:41 Analyzed: 10/08/14 19:47

Solids: 95.47 Preparation: 3550C Sonication Extract Initial/Final: 31 grams / 1 mL

QC Batch: 1410563 Sequence: 4J09062 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.1	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.7	3.5	8.7	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	41	12	17	35	**B**
206-44-0	Fluoranthene	1	17	4.7	17	17	U
86-73-7	Fluorene	1	17	4.2	17	35	U
118-74-1	Hexachlorobenzene	1	17	5.0	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.8	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.7	2.8	8.7	35	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.8	17	17	U
108-39-4	3+4-Methylphenol	1	8.7	3.8	8.7	17	U
95-48-7	2-Methylphenol	1	8.7	3.7	8.7	17	U
91-20-3	Naphthalene	1	17	5.9	17	17	U
100-01-6	4-Nitroaniline	1	70	26	70	350	U
88-74-4	2-Nitroaniline	1	8.7	3.7	8.7	17	U
99-09-2	3-Nitroaniline	1	35	17	35	350	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.7	17	17	U
100-02-7	4-Nitrophenol	1	350	110	350	700	U
62-75-9	N-Nitroso-dimethylamine	1	7.0	3.5	7.0	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.7	3.6	8.7	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.3	17	17	U
108-95-2	Phenol	1	9.1	4.1	17	170	**J**
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.7	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.7	2.6	8.7	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	676	472	70	33 - 113	
Phenol-d6	676	487	72	30 - 115	
Nitrobenzene-d5	338	249	74	33 - 131	
2-Fluorobiphenyl	338	262	78	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-15DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-09
File ID: 1409499-09.D
Sampled: 09/26/14 09:30
Prepared: 10/02/14 07:41
Analyzed: 10/08/14 19:47
Solids: 95.47
Preparation: 3550C Sonication Extract
Initial/Final: 31 grams / 1 mL
QC Batch: 1410563
Sequence: 4J09062
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	676	571	84	12 - 124	
o-Terphenyl	338	279	83	20 - 155	

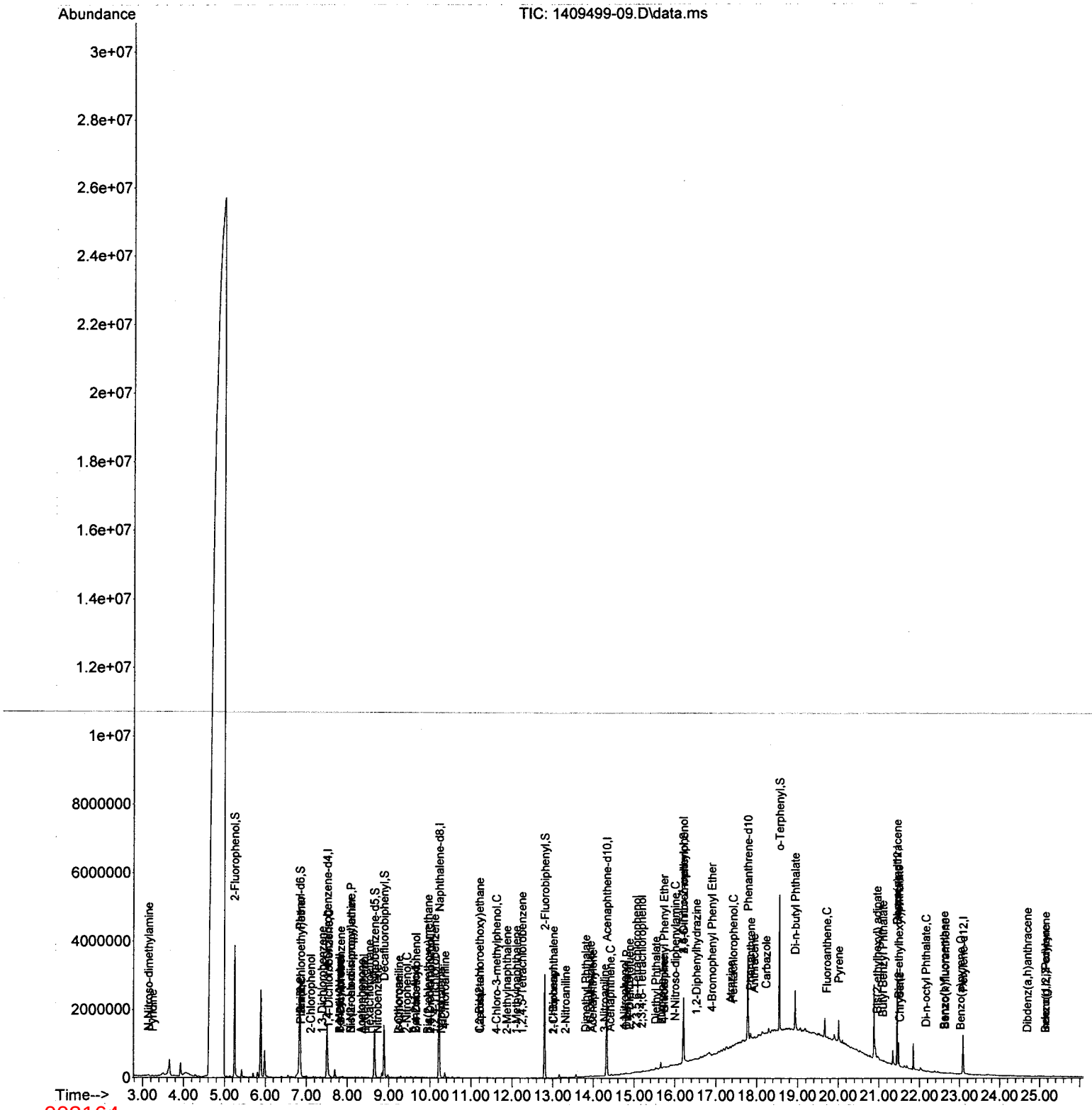
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	499046	7.509	403279	7.614	
Naphthalene-d8	1887872	10.225	1529030	10.359	
Acenaphthene-d10	1095633	14.328	866604	14.474	
Phenanthrene-d10	1536872	17.785	1400442	17.901	
Chrysene-d12	1163379	21.445	1153654	21.538	
Perylene-d12	666286	23.089	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-09.D
Acq On : 8 Oct 2014 19:47
Operator : JLB
Sample : 1409499-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 15:41:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-09.D
Acq On : 8 Oct 2014 19:47
Operator : JLB
Sample : 1409499-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 15:41:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.509	152	499046	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.225	136	1887872	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.328	164	1095633	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.785	188	1536872	5.00	ng/uL	0.00
81) Chrysene-d12	21.445	240	1163379	5.00	ng/uL	# 0.00
89) Perylene-d12	23.089	264	666286	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.247	112	1592697	13.97	ng/uL	0.17
6) Phenol-d6	6.844	99	2128375	14.42	ng/uL	0.05
21) Nitrobenzene-d5	8.657	82	890173	7.38	ng/uL	0.00
23) Decafluorobiphenyl	8.884	334	669136	7.91	ng/uL	0.00
47) 2-Fluorobiphenyl	12.801	172	1755082	7.75	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.217	330	393745	16.89	ng/uL	0.00
78) o-Terphenyl	18.560	230	1089306	8.27	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.143	74	12499	RT 0.17	ng/uL#	9
3) Pyridine	3.242	79	481	0.00	ng/uL	88
5) Aniline	6.862	93	3643	0.25	ng/uL#	1
7) Phenol	6.868	94	45102	0.27	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.862	93	3643	0.03	ng/uL#	1
9) 2-Chlorophenol	7.107	128	150	0.00	ng/uL#	28
10) 1,3-Dichlorobenzene	7.386	146	1671	0.01	ng/uL#	1
11) 1,4-Dichlorobenzene	7.538	146	778	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.835	146	1357	0.01	ng/uL	95
13) Bis(2-chloroisipropyl)...	8.086	45	2198	0.01	ng/uL#	56
14) Benzyl Alcohol	7.812	108	2091	0.02	ng/uL	93
15) 2-Methylphenol	7.812	108	2091	0.02	ng/uL#	1
16) Acetophenone	8.342	105	3520	0.02	ng/uL#	83
17) Hexachloroethane	8.535	119	1343	0.02	ng/uL#	3
18) 4-Methylphenol	8.407	108	333	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.086	70	1579	0.02	ng/uL	96
22) Nitrobenzene	8.721	77	266	0.00	ng/uL#	50
24) Isophorone	9.228	82	2008	0.01	ng/uL#	66
25) 2-Chloroaniline	9.246	127	794	0.01	ng/uL#	73
26) 2-Nitrophenol	9.438	139	53	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.660	107	517	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.951	93	91	0.00	ng/uL	88
29) 2,4-Dichlorophenol	10.004	162	465	0.00	ng/uL#	1
30) Benzoic Acid	9.648	105	5716m	2.51	ng/uL	
31) 1,2,4-Trichlorobenzene	10.114	180	861	0.01	ng/uL	98
32) Naphthalene	10.272	128	1329	0.00	ng/uL#	1
33) 4-Chloroaniline	10.365	127	817	0.01	ng/uL	99
34) 2,6-Dichlorophenol	10.004	162	465	0.00	ng/uL#	15
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.210	55	12896	0.24	ng/uL#	35
37) 1,2-Bis(2-chloroethoxy...	11.204	63	110	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.618	107	716	0.01	ng/uL#	75
39) 2-Methylnaphthalene	11.875	142	221	0.00	ng/uL#	1
40) 1-Methylnaphthalene	12.108	142	179	0.00	ng/uL#	56
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-09.D
Acq On : 8 Oct 2014 19:47
Operator : JLB
Sample : 1409499-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 15:41:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.242	216	71	0.00	ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.017	162	286	0.00	ng/uL#	35
49) 1,1'-Biphenyl	13.011	154	806	0.00	ng/uL#	40
50) 2-Nitroaniline	13.320	138	125	0.00	ng/uL#	1
51) Acenaphthylene	13.985	152	553	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	13.926	165	1511	0.03	ng/uL#	25
53) Dimethyl Phthalate	13.815	163	14092	0.06	ng/uL	93
54) 3-Nitroaniline	14.276	138	294	0.01	ng/uL#	56
55) Acenaphthene	14.416	153	66	0.00	ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.818	168	276	0.00	ng/uL#	1
58) 4-Nitrophenol	14.760	65	898	0.02	ng/uL#	6
59) 2,4-Dinitrotoluene	14.882	165	265	0.00	ng/uL#	47
60) 2,3,5,6-Tetrachlorophenol	15.057	232	1986	0.04	ng/uL#	38
61) 2,3,4,6-Tetrachlorophenol	15.185	232	383	0.01	ng/uL#	32
62) Fluorene	15.675	166	113	0.00	ng/uL#	1
63) Diethyl Phthalate	15.529	149	14183	0.06	ng/uL	98
64) 4-Chlorophenyl Phenyl ...	15.733	204	2358	0.02	ng/uL#	39
65) 4-Nitroaniline	15.727	138	1287	0.04	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.211	198	1228	RT ~~1.02~~	ng/uL#	35
68) N-Nitroso-diphenylamine	16.007	169	498	0.00	ng/uL#	24
69) 1,2-Diphenylhydrazine	16.520	182	279	0.00	ng/uL	97
71) 4-Bromophenyl Phenyl E...	16.899	248	508	0.01	ng/uL	89
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.359	200	43	0.00	ng/uL#	25
74) Pentachlorophenol	17.423	266	999	0.03	ng/uL#	33
75) Phenanthrene	17.855	178	661	0.00	ng/uL#	1
76) Anthracene	17.936	178	483	0.00	ng/uL#	78
77) Carbazole	18.234	167	26737	0.11	ng/uL#	64
79) Di-n-butyl Phthalate	18.945	149	32294	0.11	ng/uL#	67
80) Fluoroanthene	19.720	202	1796	0.01	ng/uL	100
82) Pyrene	20.017	202	1344	0.00	ng/uL#	1
83) Butyl Benzyl Phthalate	21.095	149	1572	0.01	ng/uL	96
84) Bis(2-ethylhexyl) adipate	20.956	129	3420	0.10	ng/uL#	100
85) Benzo(a)anthracene	21.445	228	3794	0.02	ng/uL#	1
86) Chrysene	21.509	228	73	0.00	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.486	149	170174	1.22	ng/uL	90
88) Di-n-octyl Phthalate	22.156	149	89319	RT ~~0.69~~	ng/uL#	76
90) Benzo(b)fluoroanthene	22.611	252	640	0.01	ng/uL#	24
91) Benzo(k)fluoranthene	22.640	252	493	0.00	ng/uL#	58
92) Benzo(a)pyrene	23.025	252	625	0.01	ng/uL#	1
93) Indeno(1,2,3-cd)pyrene	25.141	276	2860	0.03	ng/uL#	51
94) Dibdenz(a,h)anthracene	24.692	278	1150	0.01	ng/uL#	35
95) Benzo(g,h,i)Perylene	25.141	276	2860	0.03	ng/uL#	46

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-09.D
Acq On : 8 Oct 2014 19:47
Operator : JLB
Sample : 1409499-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 09:05:13 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration

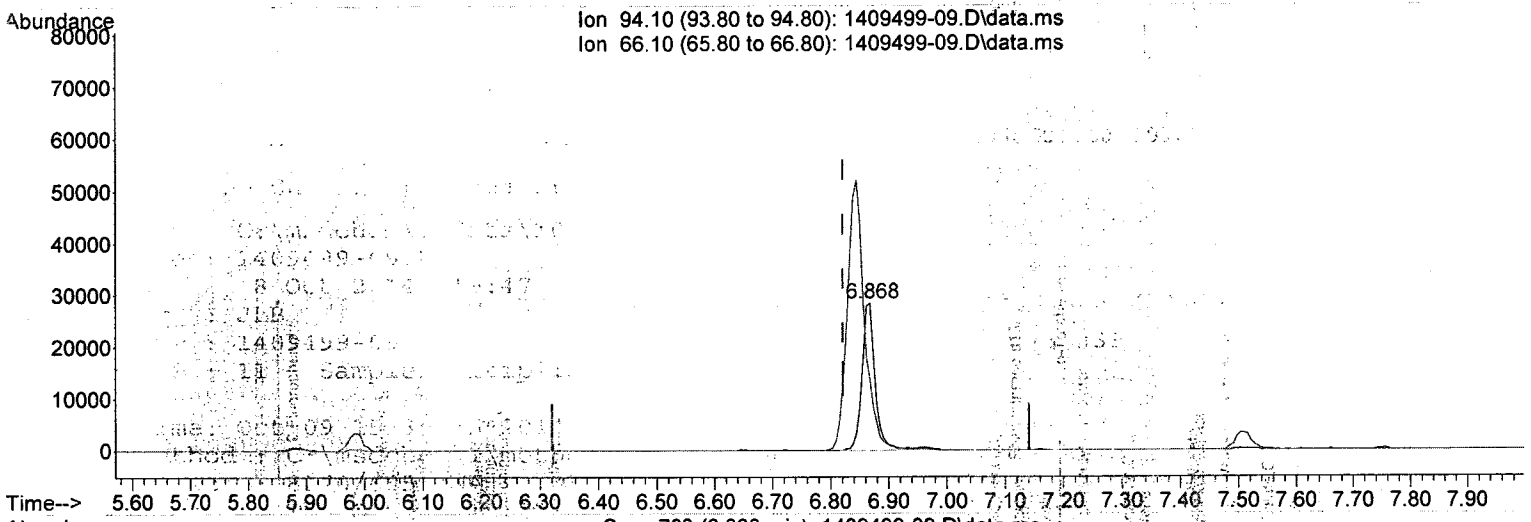
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.509	152	491067	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.225	136	1887872	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.328	164	1091742	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.785	188	1538906	5.00	ng/uL		0.00
19) Chrysene-d12	21.445	240	1163379	5.00	ng/uL	#	0.00
22) Perylene-d12	23.089	264	666286	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.945	74	3528	0.05	ng/uL		83
3) Pyridine	3.242	79	481	0.00	ng/uL		88
4) Aniline	6.862	93	3643	0.02	ng/uL#		1
5) Benzaldehyde	6.617	105	11554	0.11	ng/uL#		83
6) Acetophenone	8.342	105	3520	0.02	ng/uL#		83
7) N-Nitroso-di-n-propyla...	8.546	70	748	0.01	ng/uL		88
9) 4-Chloroaniline	10.365	127	817	0.02	ng/uL		99
10) Caprolactam	11.210	55	2853	0.14	ng/uL#		55
12) 1,1'-Biphenyl	13.011	154	806	0.00	ng/uL#		40
13) 2-Nitroaniline	13.303	138	137	0.01	ng/uL#		39
14) 3-Nitroaniline	14.276	138	294	Below Cal		#	56
15) 4-Nitroaniline	15.727	138	853	Below Cal		#	56
17) N-Nitroso-diphenylamine	16.007	169	498	0.00	ng/uL#		24
18) Atrazine	17.651	200	1152	Below Cal			90
20) Benzidine	19.673	184	15549	0.50	ng/uL#		1
21) 3,3'-Dichlorobenzidine	21.317	252	388	0.01	ng/uL		88

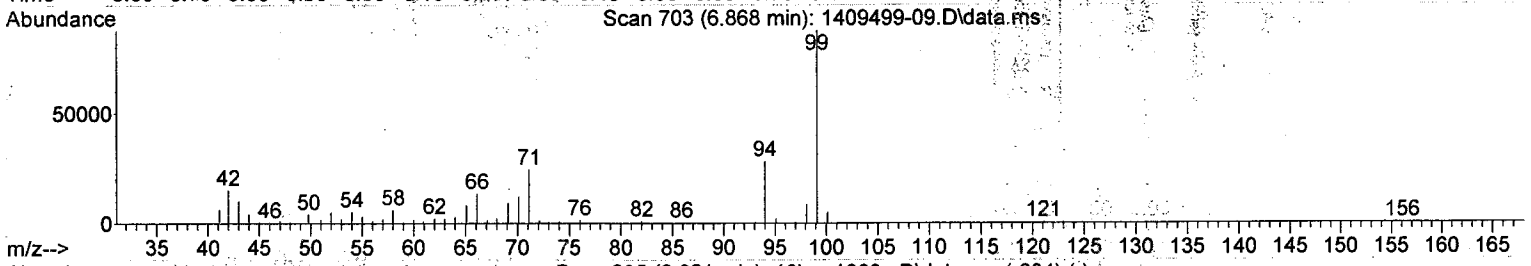
(#) = qualifier out of range (m) = manual integration (+) = signals summed

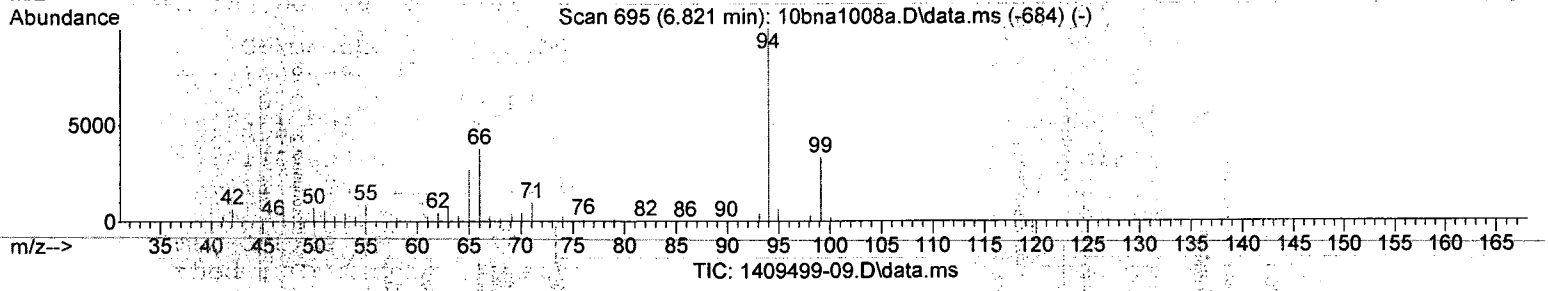
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-09.D
Acq On : 8 Oct 2014 19:47
Operator : JLB
Sample : 1409499-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 15:39:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409499-09.D\data.ms

(7) Phenol (C)

6.868min (+ 0.047) 0.27 ng/uL

response 45102

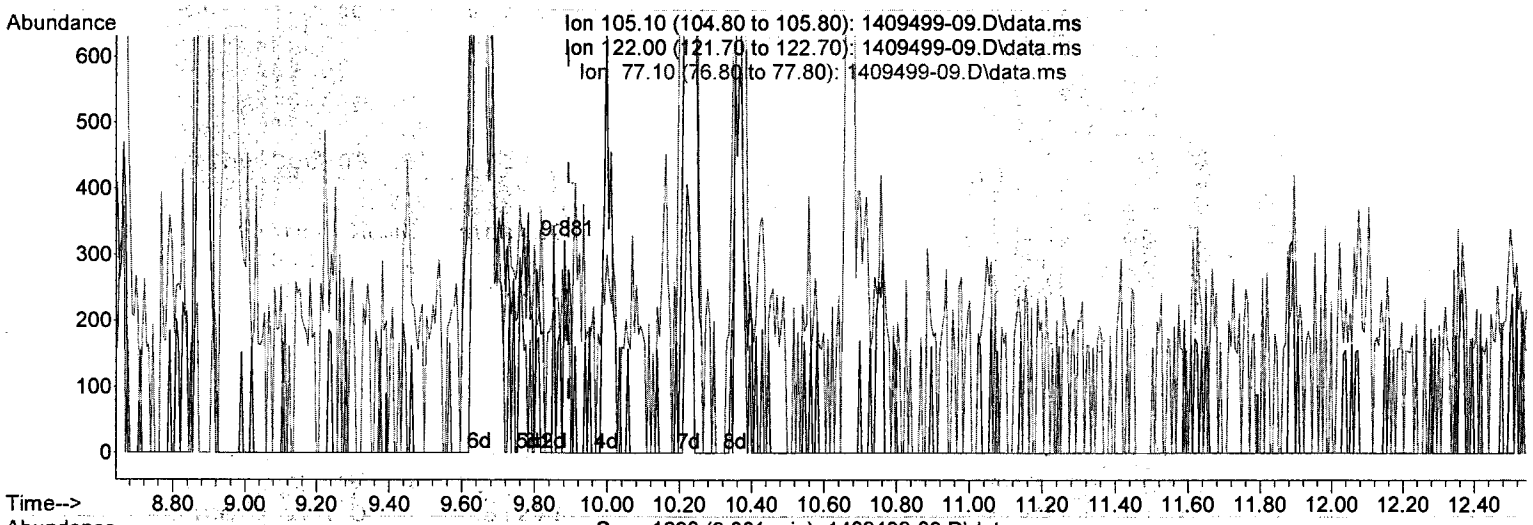
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	241.11#
0.00	0.00	0.00
0.00	0.00	0.00

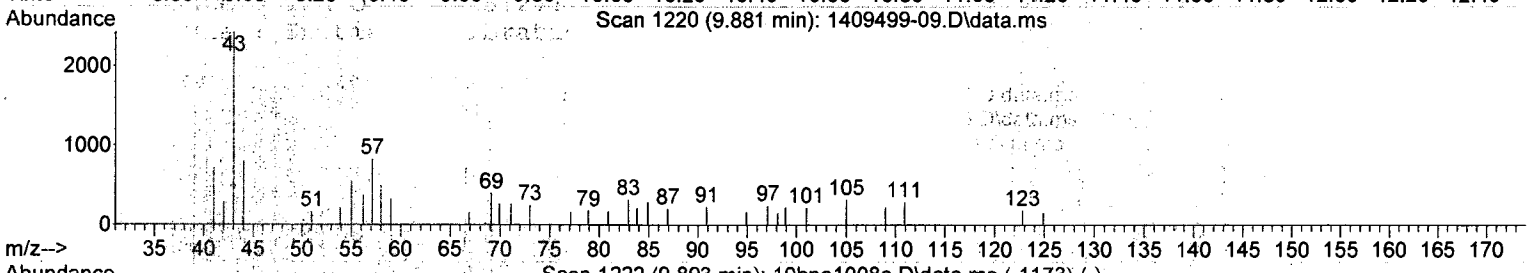
003168

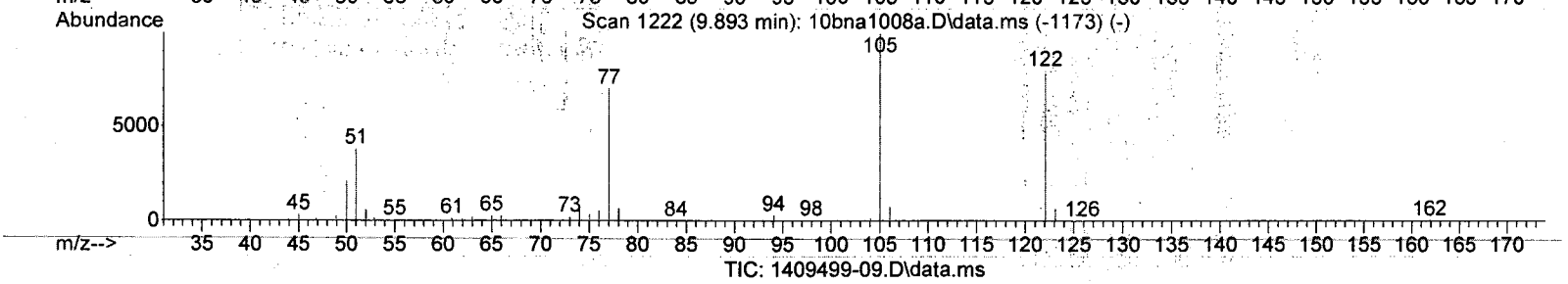
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-09.D
Acq On : 8 Oct 2014 19:47
Operator : JLB
Sample : 1409499-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 15:39:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409499-09.D\data.ms

(30) Benzoic Acid

9.881min (-0.012) 2.46 ng/uL

response 402

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	204.48#
0.00	0.00	0.00

Dups 10-17-14

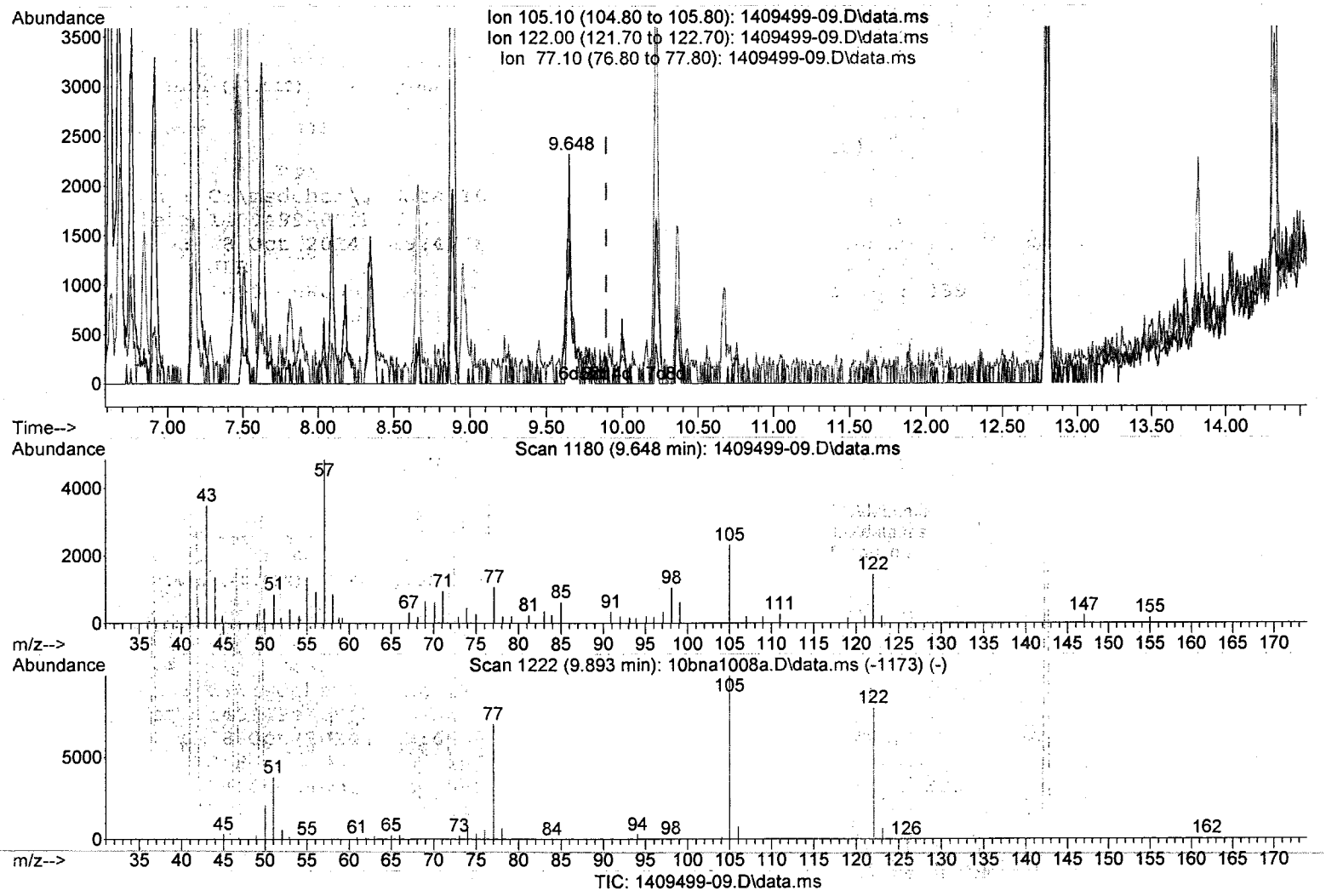
JLB 10/10/14

003169

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-09.D
Acq On : 8 Oct 2014 19:47
Operator : JLB
Sample : 1409499-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 15:39:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1409499-09.D\data.ms

(30) Benzoic Acid

9.648min (-0.245) 2.51 ng/uL m

response 5716

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	14.38#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

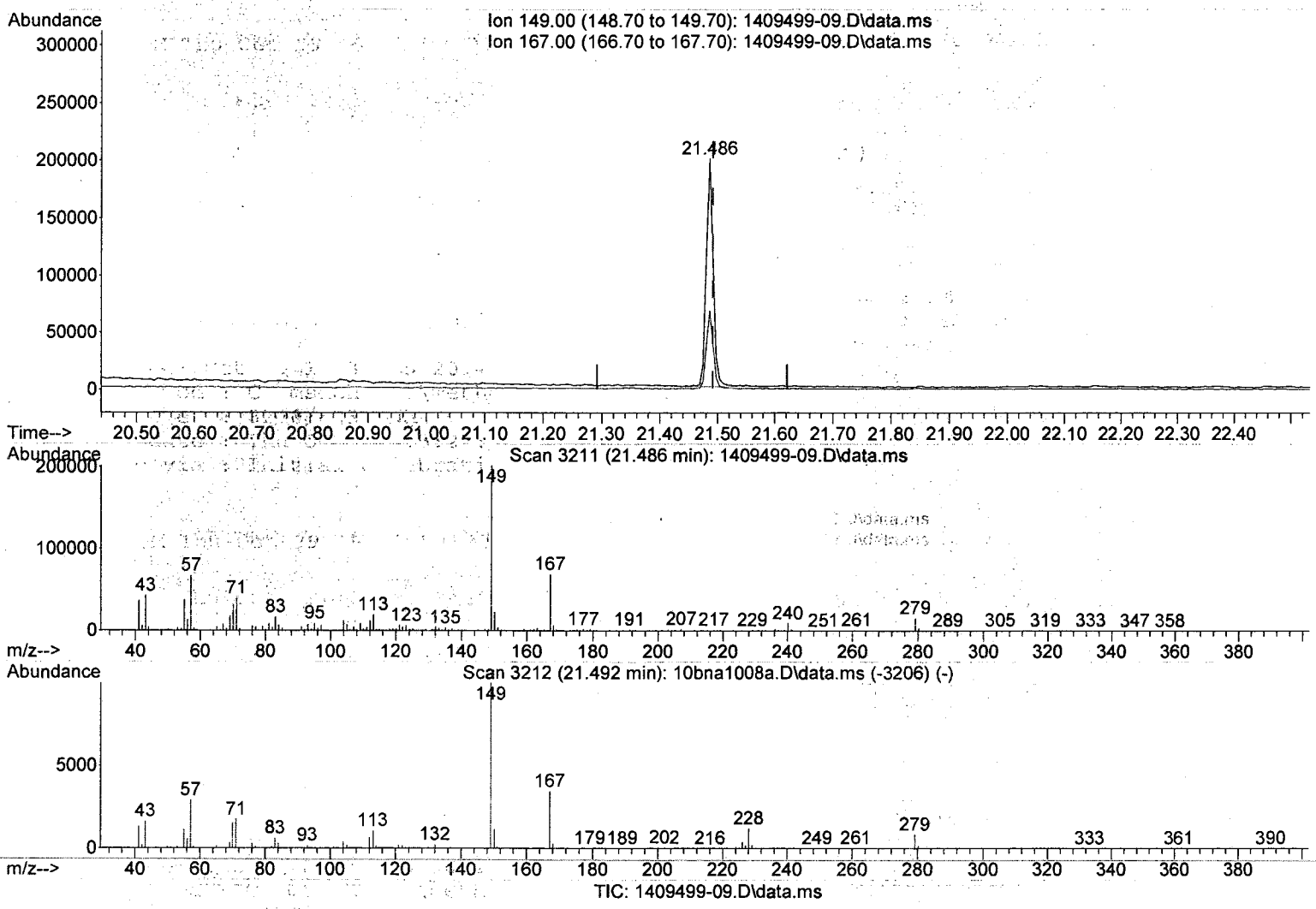
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/10/14
Reviewed By: DMF Date: 10-17-14

003170

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-09.D
Acq On : 8 Oct 2014 19:47
Operator : JLB
Sample : 1409499-09 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 15:39:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.486min (-0.006) 1.22 ng/uL

response 170174

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.62
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-44

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-10 File ID: 1409499-10.D

Sampled: 09/26/14 10:20 Prepared: 10/02/14 07:41 Analyzed: 10/08/14 20:19

Solids: 95.72 Preparation: 3550C Sonication Extract Initial/Final: 29.1 grams / 1 mL

QC Batch: 1410563 Sequence: 4J09062 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.4	17	17	U
120-12-7	Anthracene	1	17	4.2	17	17	U
56-55-3	Benzo(a)anthracene	1	8.7	2.9	8.7	17	U
50-32-8	Benzo(a)pyrene	1	8.7	2.4	8.7	17	U
205-99-2	Benzo(b)fluoranthene	1	8.7	2.0	8.7	17	U
207-08-9	Benzo(k)fluoranthene	1	8.7	2.0	8.7	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.7	2.0	8.7	35	U
65-85-0	Benzoic Acid	1	96	72	170	350	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.2	17	35	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	70	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.7	3.8	8.7	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	4.0	17	17	U
218-01-9	Chrysene	1	17	4.1	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.7	2.0	8.7	35	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	35	14	35	70	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	700	290	700	870	U
120-83-2	2,4-Dichlorophenol	1	17	4.3	17	35	U
84-66-2	Diethyl Phthalate	1	17	5.1	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	70	22	70	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.7	4.2	8.7	17	U
121-14-2	2,4-Dinitrotoluene	1	8.7	3.4	8.7	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-44

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-10 File ID: 1409499-10.D

Sampled: 09/26/14 10:20 Prepared: 10/02/14 07:41 Analyzed: 10/08/14 20:19

Solids: 95.72 Preparation: 3550C Sonication Extract Initial/Final: 29.1 grams / 1 mL

QC Batch: 1410563 Sequence: 4J09062 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.7	3.5	8.7	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	59	12	17	35	B
206-44-0	Fluoranthene	1	17	4.7	17	17	U
86-73-7	Fluorene	1	17	4.2	17	35	U
118-74-1	Hexachlorobenzene	1	17	5.0	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.8	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.7	2.8	8.7	35	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.8	17	17	U
108-39-4	3+4-Methylphenol	1	8.7	3.8	8.7	17	U
95-48-7	2-Methylphenol	1	8.7	3.7	8.7	17	U
91-20-3	Naphthalene	1	17	5.9	17	17	U
100-01-6	4-Nitroaniline	1	70	26	70	340	U
88-74-4	2-Nitroaniline	1	8.7	3.7	8.7	17	U
99-09-2	3-Nitroaniline	1	35	17	35	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.7	17	17	U
100-02-7	4-Nitrophenol	1	350	110	350	700	U
62-75-9	N-Nitroso-dimethylamine	1	7.0	3.5	7.0	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.7	3.6	8.7	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.3	17	17	U
108-95-2	Phenol	1	17	4.1	17	170	J
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.7	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.7	2.6	8.7	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	718	504	70	33 - 113	
Phenol-d6	718	525	73	30 - 115	
Nitrobenzene-d5	359	265	74	33 - 131	
2-Fluorobiphenyl	359	276	77	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-44

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-10
File ID: 1409499-10.D
Sampled: 09/26/14 10:20
Prepared: 10/02/14 07:41
Analyzed: 10/08/14 20:19
Solids: 95.72
Preparation: 3550C Sonication Extract
Initial/Final: 29.1 grams / 1 mL
QC Batch: 1410563
Sequence: 4J09062
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	718	524	73	12 - 124	
o-Terphenyl	359	291	81	20 - 155	

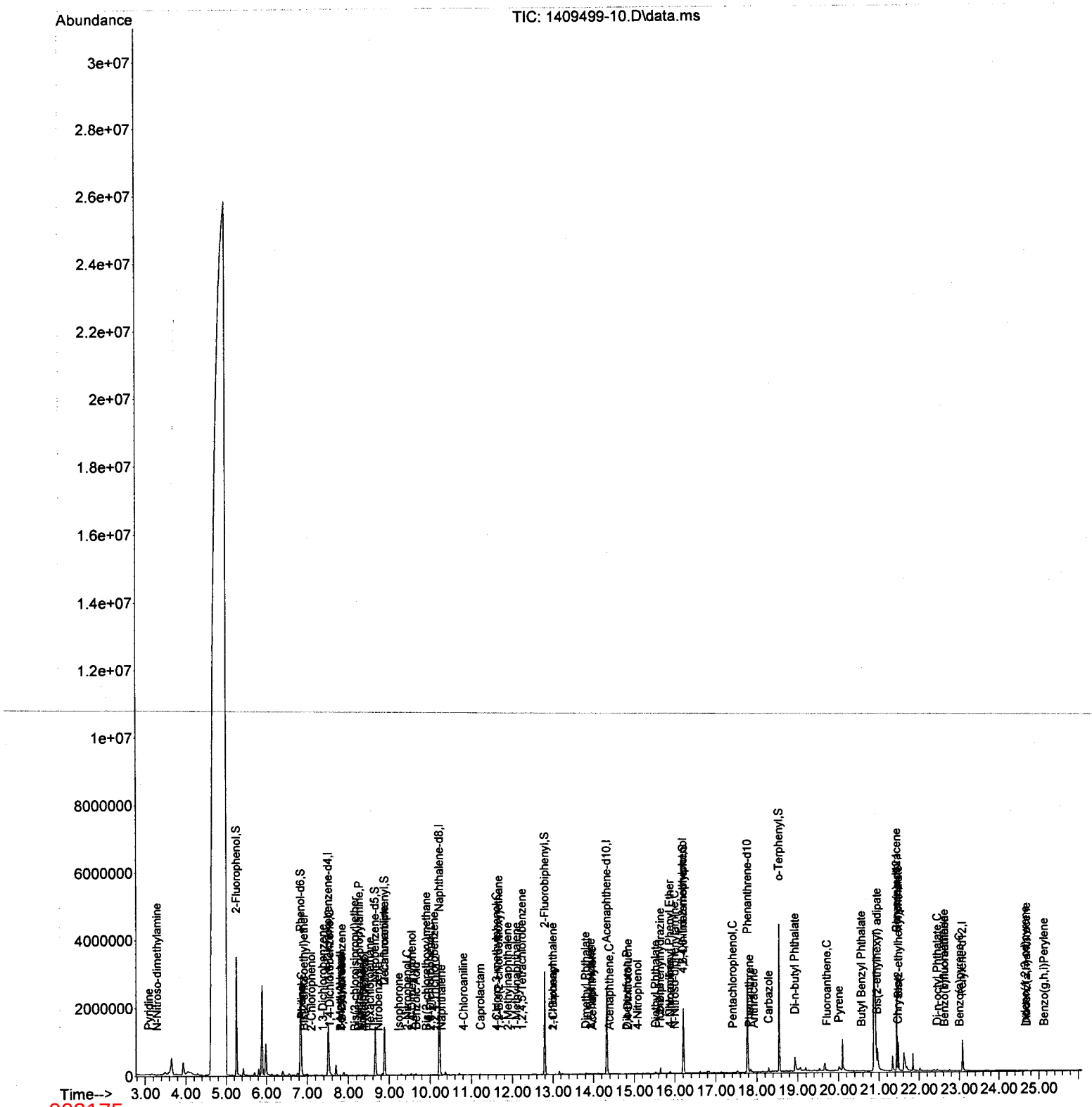
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	469056	7.509	403279	7.614	
Naphthalene-d8	1795233	10.225	1529030	10.359	
Acenaphthene-d10	1049274	14.328	866604	14.474	
Phenanthrene-d10	1634521	17.779	1400442	17.901	
Chrysene-d12	1120010	21.445	1153654	21.538	
Perylene-d12	496083	23.083	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-10.D
Acq On : 8 Oct 2014 20:19
Operator : JLB
Sample : 1409499-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 15:42:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-10.D
Acq On : 8 Oct 2014 20:19
Operator : JLB
Sample : 1409499-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 15:42:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.509	152	469056	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.225	136	1795233	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.328	164	1049274	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.779	188	1634521	5.00	ng/uL	0.00
81) Chrysene-d12	21.445	240	1120010	5.00	ng/uL	# 0.00
89) Perylene-d12	23.083	264	496083	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.259	112	1503476	14.03	ng/uL	0.19
6) Phenol-d6	6.844	99	2029908	14.63	ng/uL	0.05
21) Nitrobenzene-d5	8.657	82	845635	7.37	ng/uL	0.00
23) Decafluorobiphenyl	8.890	334	619821	7.70	ng/uL	0.00
47) 2-Fluorobiphenyl	12.801	172	1668405	7.70	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.211	330	361721	14.59	ng/uL	-0.01
78) o-Terphenyl	18.554	230	1135095	8.10	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.295	74	364	0.01	ng/uL#	1
3) Pyridine	3.091	79	435	0.00	ng/uL	99
5) Aniline	6.868	93	1991	0.24	ng/uL#	1
7) Phenol	6.868	94	73672	0.47	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.920	93	655	0.00	ng/uL#	21
9) 2-Chlorophenol	7.101	128	119	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.381	146	1847	0.01	ng/uL#	1
11) 1,4-Dichlorobenzene	7.544	146	880	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.847	146	2003	0.02	ng/uL#	57
13) Bis(2-chloroisipropyl)...	8.162	45	626	0.00	ng/uL#	69
14) Benzyl Alcohol	7.812	108	1346	0.02	ng/uL	80
15) 2-Methylphenol	7.812	108	1346	0.01	ng/uL#	1
16) Acetophenone	8.348	105	3397	0.02	ng/uL	94
17) Hexachloroethane	8.535	119	848	0.02	ng/uL#	3
18) 4-Methylphenol	8.395	108	143	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.272	70	1298	0.02	ng/uL#	49
22) Nitrobenzene	8.733	77	170	0.00	ng/uL#	31
24) Isophorone	9.240	82	1724	0.01	ng/uL	93
25) 2-Chloroaniline	8.884	127	7400	0.05	ng/uL#	61
26) 2-Nitrophenol	9.444	139	123	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.560	107	53	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.916	93	74	0.00	ng/uL	93
29) 2,4-Dichlorophenol	10.009	162	580	0.01	ng/uL#	47
30) Benzoic Acid	9.660	105	21107	2.67	ng/uL	92
31) 1,2,4-Trichlorobenzene	10.103	180	1114	0.01	ng/uL	91
32) Naphthalene	10.272	128	1144	0.00	ng/uL#	74
33) 4-Chloroaniline	10.814	127	341	0.00	ng/uL#	58
34) 2,6-Dichlorophenol	10.009	162	580	0.01	ng/uL#	29
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.222	55	10487	0.20	ng/uL#	37
37) 1,2-Bis(2-chloroethoxy...	11.670	63	134	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.618	107	661	0.01	ng/uL#	27
39) 2-Methylnaphthalene	11.892	142	57	0.00	ng/uL#	1
40) 1-Methylnaphthalene	12.108	142	54	0.00	ng/uL#	1
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

003176

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-10.D
Acq On : 8 Oct 2014 20:19
Operator : JLB
Sample : 1409499-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 15:42:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.242	216	64	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.005	162	370	0.00 ng/uL	91
49) 1,1'-Biphenyl	13.005	154	913	0.00 ng/uL#	77
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.973	152	54	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.938	165	527	0.01 ng/uL#	31
53) Dimethyl Phthalate	13.815	163	15494	0.07 ng/uL	95
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.392	153	59	0.00 ng/uL#	12
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.824	168	55	0.00 ng/uL#	1
58) 4-Nitrophenol	15.086	65	122	0.00 ng/uL#	1
59) 2,4-Dinitrotoluene	14.847	165	53	0.00 ng/uL#	1
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.634	166	381	0.00 ng/uL#	1
63) Diethyl Phthalate	15.529	149	14069	0.07 ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.885	204	1767	0.02 ng/uL#	26
65) 4-Nitroaniline	15.890	138	295	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.205	198	978	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.001	169	221	0.00 ng/uL#	79
69) 1,2-Diphenylhydrazine	15.651	182	311	0.00 ng/uL	93
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.417	266	705	0.02 ng/uL#	1
75) Phenanthrene	17.825	178	3080	0.01 ng/uL#	71
76) Anthracene	17.925	178	758	0.00 ng/uL#	23
77) Carbazole	18.292	167	2438	0.01 ng/uL	93
79) Di-n-butyl Phthalate	18.939	149	29760	0.09 ng/uL#	89
80) Fluoroanthene	19.720	202	2576	0.01 ng/uL	94
82) Pyrene	20.017	202	2800	0.01 ng/uL#	1
83) Butyl Benzyl Phthalate	20.571	149	386	0.00 ng/uL	84
84) Bis(2-ethylhexyl) adipate	20.955	129	3638	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.445	228	3678	0.02 ng/uL#	1
86) Chrysene	21.468	228	1030	0.01 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.486	149	219425	1.63 ng/uL	89
88) Di-n-octyl Phthalate	22.459	149	44667	~~0.52~~ ng/uL#	78
90) Benzo(b)fluoroanthene	22.634	252	657	0.01 ng/uL#	16
91) Benzo(k)fluoranthene	22.634	252	657	0.01 ng/uL#	1
92) Benzo(a)pyrene	23.007	252	722	0.01 ng/uL#	85
93) Indeno(1,2,3-cd)pyrene	24.662	276	1435	0.02 ng/uL#	75
94) Dibdenz(a,h)anthracene	24.697	278	1087	0.02 ng/uL	93
95) Benzo(g,h,i)Perylene	25.135	276	1388	0.02 ng/uL#	73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

003177

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-10.D
Acq On : 8 Oct 2014 20:19
Operator : JLB
Sample : 1409499-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 09:05:38 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.509	152	461392	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.225	136	1795233	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.328	164	1048366	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.779	188	1635409	5.00	ng/uL		0.00
19) Chrysene-d12	21.445	240	1120010	5.00	ng/uL	#	0.00
22) Perylene-d12	23.083	264	496083	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.295	74	364	0.00	ng/uL	#	1
3) Pyridine	3.091	79	497	0.00	ng/uL		88
4) Aniline	6.868	93	1991	0.01	ng/uL	#	1
5) Benzaldehyde	6.623	105	7368	0.07	ng/uL	#	86
6) Acetophenone	8.348	105	3397	0.02	ng/uL		94
7) N-Nitroso-di-n-propyla...	8.371	70	1082	0.01	ng/uL		82
9) 4-Chloroaniline	10.423	127	340	0.01	ng/uL	#	1
10) Caprolactam	11.222	55	3788	0.16	ng/uL	#	53
12) 1,1'-Biphenyl	13.005	154	913	0.00	ng/uL	#	77
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.890	138	295	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.001	169	221	0.00	ng/uL	#	79
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.023	184	133	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.352	252	198	0.00	ng/uL	#	19

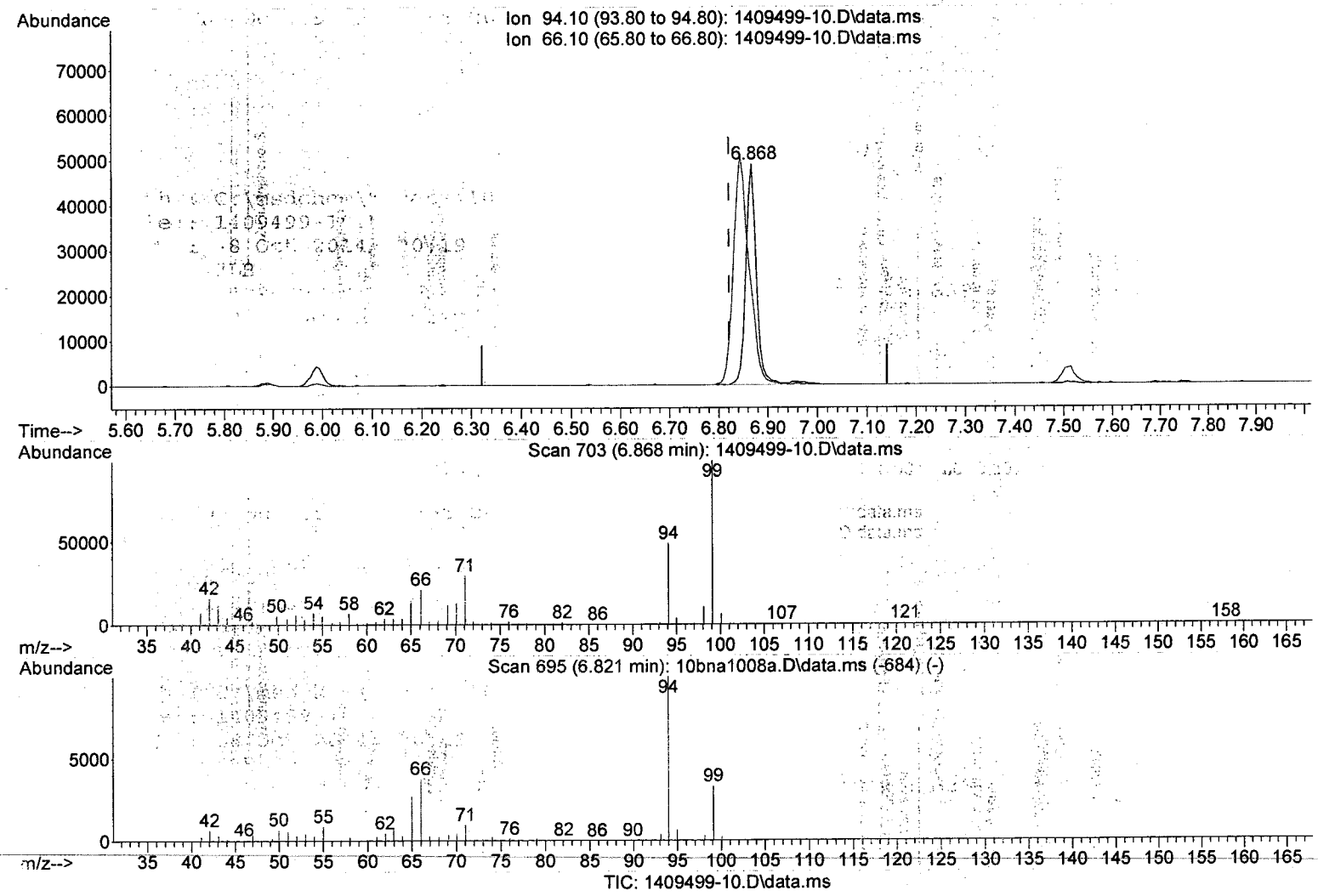
(#) = qualifier out of range (m) = manual integration (+) = signals summed

003178

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-10.D
Acq On : 8 Oct 2014 20:19
Operator : JLB
Sample : 1409499-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 15:42:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(7) Phenol (C)

6.868min (+ 0.047) 0.47 ng/uL

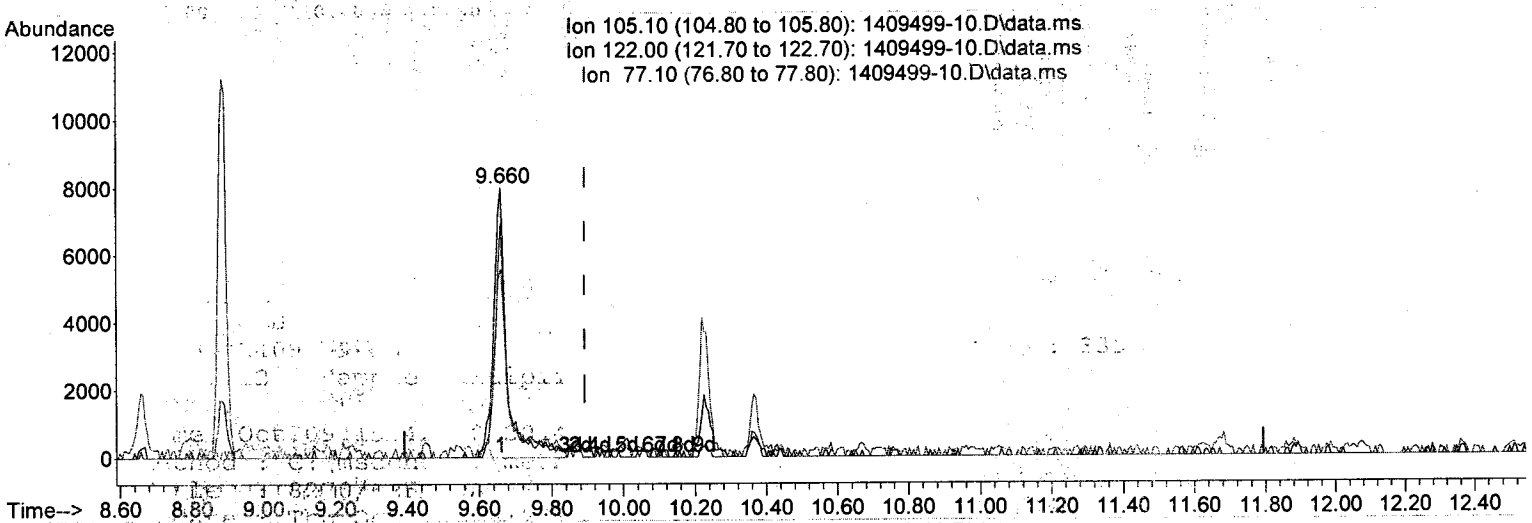
response 73672

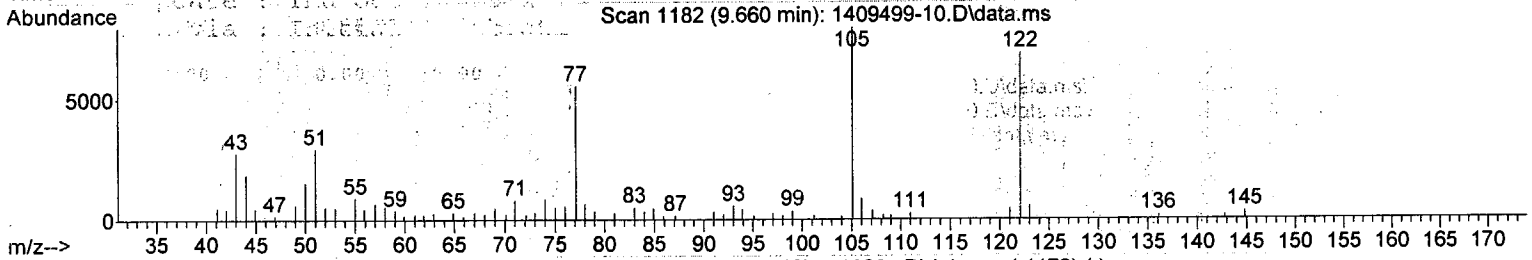
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	153.78#
0.00	0.00	0.00
0.00	0.00	0.00

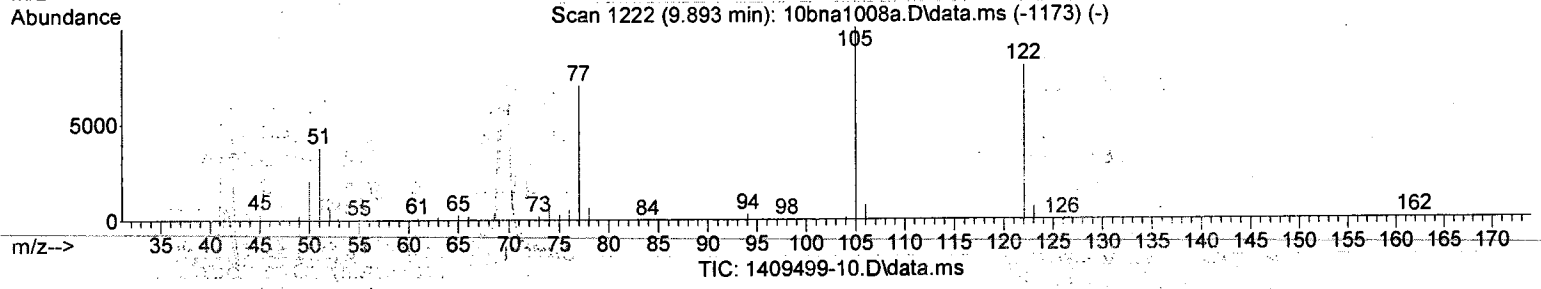
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-10.D
Acq On : 8 Oct 2014 20:19
Operator : JLB
Sample : 1409499-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 15:42:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409499-10.D\data.ms

(30) Benzoic Acid

9.660min (-0.233) 2.67 ng/uL

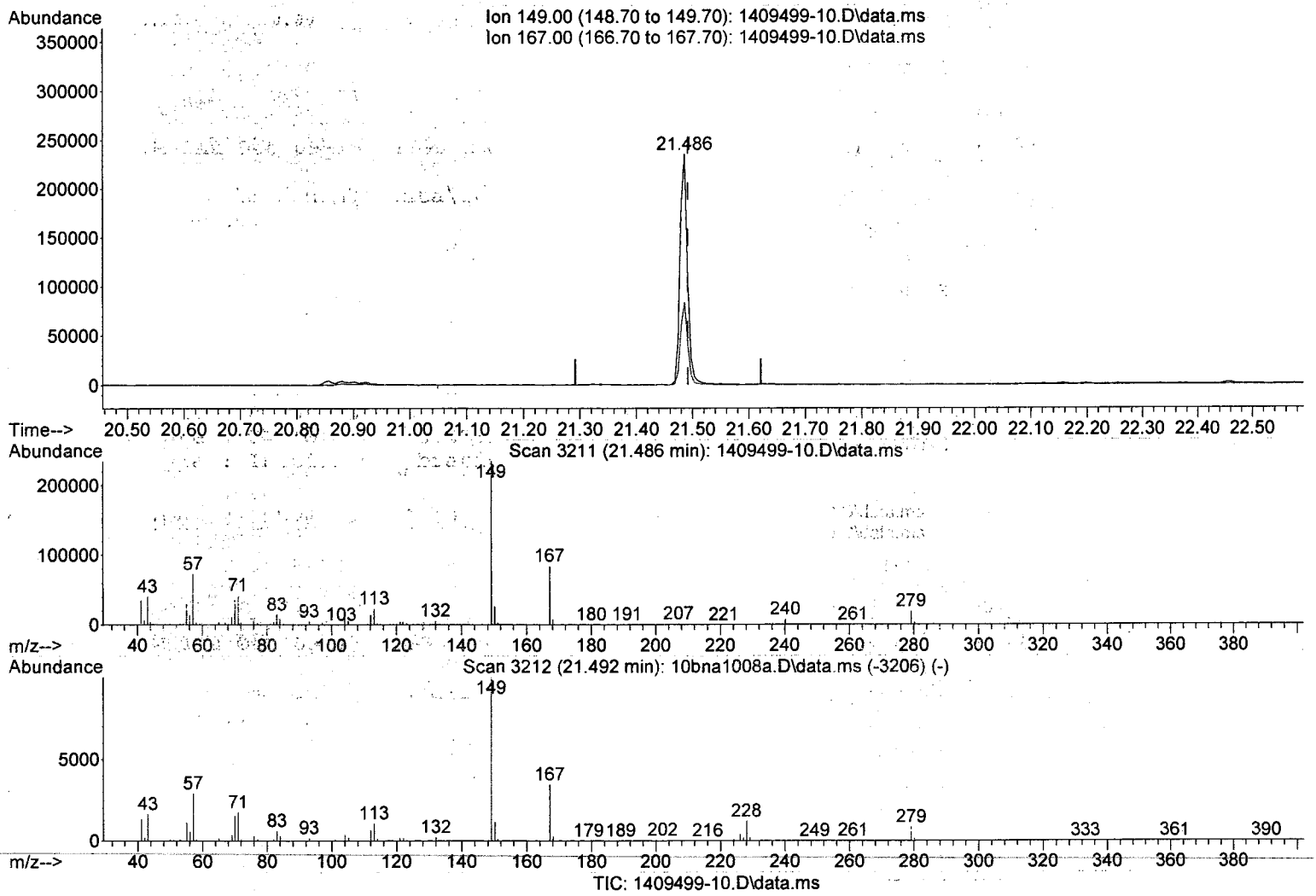
response 21107

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	76.38
77.10	74.70	84.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-10.D
Acq On : 8 Oct 2014 20:19
Operator : JLB
Sample : 1409499-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 15:42:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1409499-10.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.486min (-0.006) 1.63 ng/uL

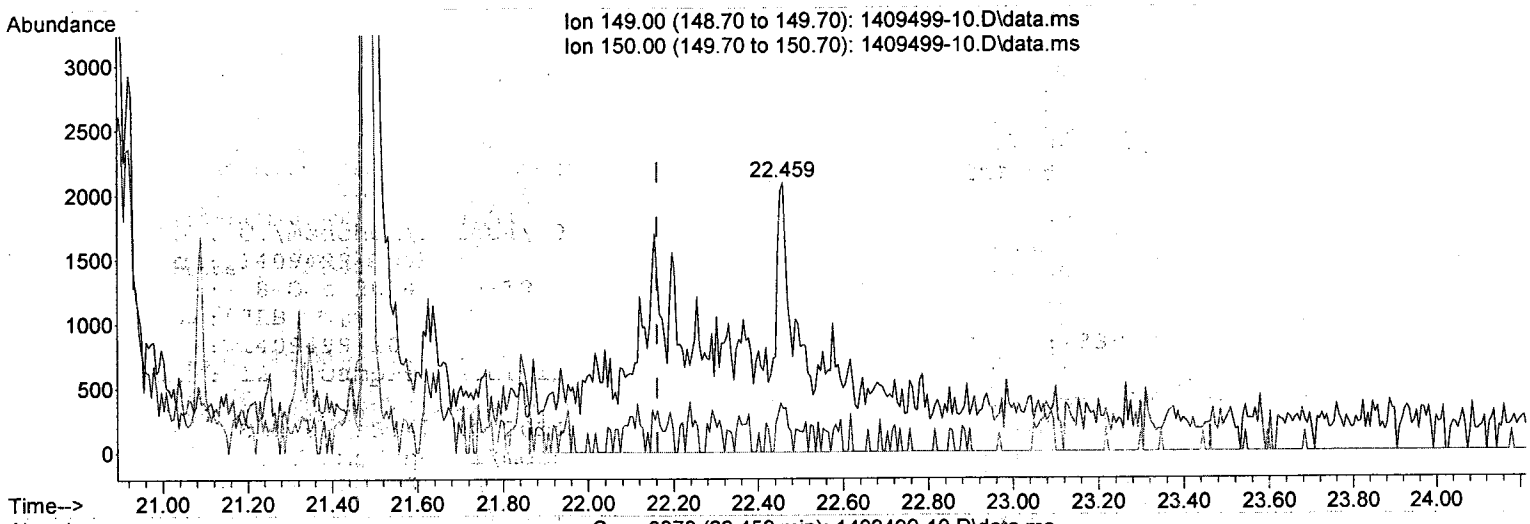
response 219425

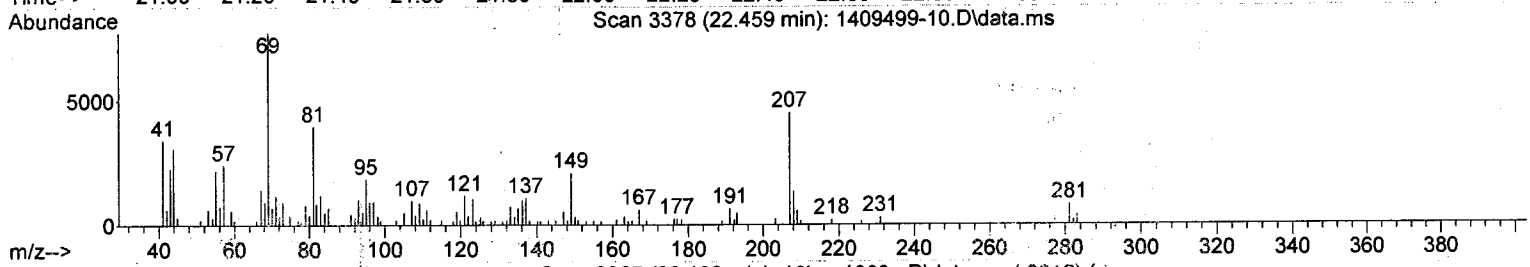
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.95
0.00	0.00	0.00
0.00	0.00	0.00

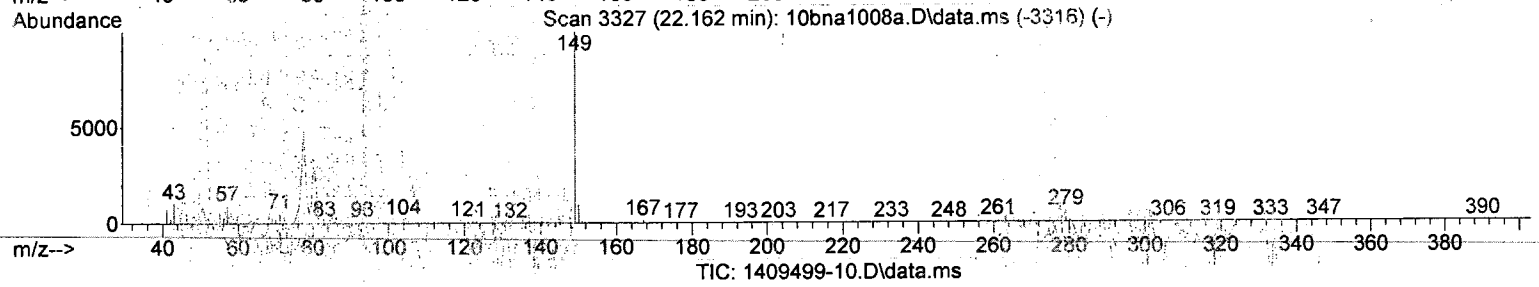
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1409499-10.D
Acq On : 8 Oct 2014 20:19
Operator : JLB
Sample : 1409499-10 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 15:42:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1409499-10.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.459min (+ 0.297) 0.52 ng/uL

response 44667

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.52#
0.00	0.00	0.00
0.00	0.00	0.00

003182

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-44DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1409499-11 File ID: 1409499-11.D

Sampled: 09/26/14 10:20 Prepared: 10/02/14 07:41 Analyzed: 10/14/14 19:28

Solids: 96.98 Preparation: 3550C Sonication Extract Initial/Final: 29.2 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	8.6	2.4	8.6	17	U
205-99-2	Benzo(b)fluoranthene	1	2.5	2.0	8.6	17	J
207-08-9	Benzo(k)fluoranthene	1	2.1	2.0	8.6	17	J
191-24-2	Benzo(g,h,i)perylene	1	8.6	1.9	8.6	34	U
65-85-0	Benzoic Acid	1	97	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-44DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-11
File ID: 1409499-11.D
Sampled: 09/26/14 10:20
Prepared: 10/02/14 07:41
Analyzed: 10/14/14 19:28
Solids: 96.98
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	75	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.5	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	21	4.0	17	170	J
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	706	625	88	33 - 113	
Phenol-d6	706	647	92	30 - 115	
Nitrobenzene-d5	353	333	94	33 - 131	
2-Fluorobiphenyl	353	351	99	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-44DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-11
File ID: 1409499-11.D
Sampled: 09/26/14 10:20
Prepared: 10/02/14 07:41
Analyzed: 10/14/14 19:28
Solids: 96.98
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	706	579	82	12 - 124	
o-Terphenyl	353	367	104	20 - 155	

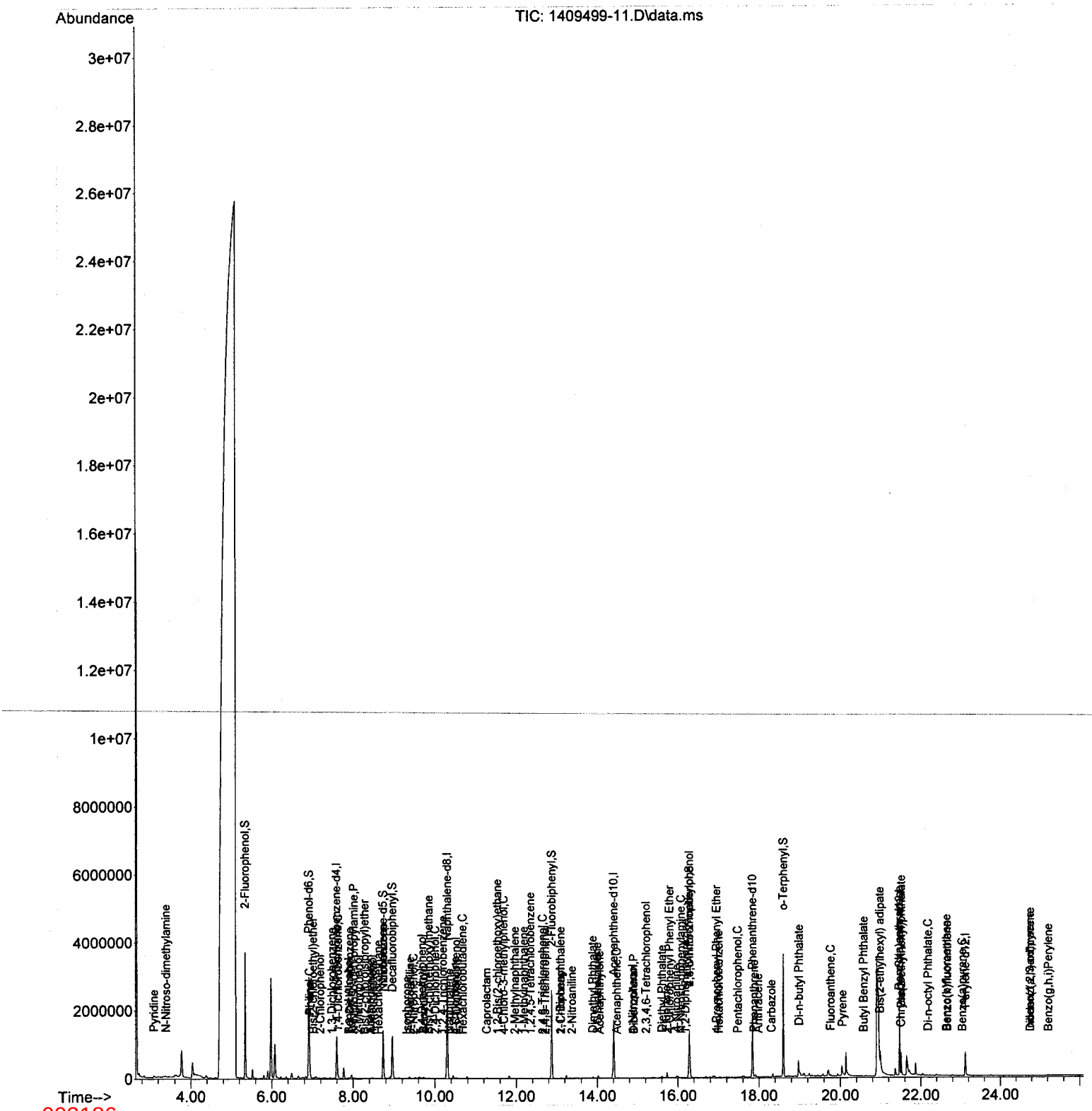
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	368248	7.591	403279	7.614	
Naphthalene-d8	1360028	10.307	1529030	10.359	
Acenaphthene-d10	734820	14.411	866604	14.474	
Phenanthrene-d10	1080926	17.838	1400442	17.901	
Chrysene-d12	735627	21.469	1153654	21.538	
Perylene-d12	384487	23.124	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-11.D
Acq On : 14 Oct 2014 19:28
Operator : JLB
Sample : 1409499-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:11:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-11.D
Acq On : 14 Oct 2014 19:28
Operator : JLB
Sample : 1409499-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:11:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.591	152	368248	5.00	ng/uL	#	0.02
20) Naphthalene-d8	10.307	136	1360028	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.411	164	734820	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.838	188	1080926	5.00	ng/uL		0.00
81) Chrysene-d12	21.469	240	735627	5.00	ng/uL	#	0.00
89) Perylene-d12	23.124	264	384487 (DW)	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.347	112	1488996	17.70	ng/uL		0.20
6) Phenol-d6	6.909	99	1996371	18.33	ng/uL		0.04
21) Nitrobenzene-d5	8.734	82	818553	9.42	ng/uL		-0.01
23) Decafluorobiphenyl	8.961	334	560045	9.19	ng/uL		0.00
47) 2-Fluorobiphenyl	12.878	172	1509720	9.94	ng/uL		-0.01
70) 2,4,6-Tribromophenol	16.287	330	268783	16.39	ng/uL		-0.01
78) o-Terphenyl	18.607	230	962594	10.39	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.389	74	30900	~~0.57~~	ng/uL	#	4
3) Pyridine	3.097	79	123	0.00	ng/uL	#	1
5) Aniline	6.927	93	1687	0.24	ng/uL	#	1
7) Phenol	6.927	94	73391	0.59	ng/uL	#	1
8) Bis(2-chloroethyl)ether	7.008	93	244	0.00	ng/uL		86
9) 2-Chlorophenol	7.183	128	877	0.01	ng/uL	#	54
10) 1,3-Dichlorobenzene	7.475	146	2480	0.02	ng/uL	#	23
11) 1,4-Dichlorobenzene	7.626	146	1258	0.01	ng/uL	#	1
12) 1,2-Dichlorobenzene	7.923	146	2243	0.02	ng/uL	#	23
13) Bis(2-chloroisipropyl)...	8.285	45	306	0.00	ng/uL		99
14) Benzyl Alcohol	7.900	108	1696	0.03	ng/uL		91
15) 2-Methylphenol	8.133	108	224	0.00	ng/uL	#	17
16) Acetophenone	8.430	105	3418	0.03	ng/uL		96
17) Hexachloroethane	8.617	119	804	0.02	ng/uL	#	3
18) 4-Methylphenol	8.471	108	649	0.01	ng/uL	#	1
~~19) N-Nitroso-di-n-propyla...~~	~~8.022~~	~~70~~	~~1586~~	~~0.02~~	~~ng/uL~~		~~90~~
22) Nitrobenzene	8.739	77	2940	0.03	ng/uL	#	1
24) Isophorone	9.316	82	2401	0.01	ng/uL		94
25) 2-Chloroaniline	9.398	127	483	0.00	ng/uL	#	80
26) 2-Nitrophenol	9.480	139	248	0.01	ng/uL	#	48
27) 2,4-Dimethylphenol	9.689	107	53	0.00	ng/uL	#	5
28) Bis(2-chlorethoxy)methane	9.853	93	890	0.01	ng/uL		97
29) 2,4-Dichlorophenol	10.004	162	500	0.01	ng/uL	#	47
30) Benzoic Acid	9.724	105	22062	2.75	ng/uL		94
31) 1,2,4-Trichlorobenzene	10.197	180	1343	0.02	ng/uL		96
32) Naphthalene	10.354	128	3017	0.01	ng/uL		97
33) 4-Chloroaniline	10.500	127	216	0.00	ng/uL	#	1
34) 2,6-Dichlorophenol	10.523	162	635	0.01	ng/uL	#	85
35) Hexachlorobutadiene	10.680	225	55	0.00	ng/uL	#	24
36) Caprolactam	11.275	55	8204	0.21	ng/uL	#	39
37) 1,2-Bis(2-chloroethoxy...	11.543	63	127	0.00	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.695	107	721	0.01	ng/uL	#	53
39) 2-Methylnaphthalene	11.968	142	1188	0.01	ng/uL	#	90
40) 1-Methylnaphthalene	12.190	142	1079	0.01	ng/uL	#	92
41) 1,3 Dinitrobenzene	14.055	168	58	Below Cal			100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-11.D
Acq On : 14 Oct 2014 19:28
Operator : JLB
Sample : 1409499-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:11:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.353	216	223	0.00 ng/uL#	91
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	12.656	196	263	0.01 ng/uL#	51
46) 2,4,5-Trichlorophenol	12.714	196	212	0.00 ng/uL#	11
48) 2-Chloronaphthalene	13.099	162	1299	0.01 ng/uL	98
49) 1,1'-Biphenyl	13.093	154	1009	0.01 ng/uL#	77
50) 2-Nitroaniline	13.373	138	122	0.00 ng/uL#	1
51) Acenaphthylene	14.061	152	1387	0.01 ng/uL#	70
52) 2,6-Dinitrotoluene	14.003	165	312	0.01 ng/uL#	1
53) Dimethyl Phthalate	13.892	163	13465	0.08 ng/uL#	88
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.481	153	1016	0.01 ng/uL	99
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.906	168	1320	0.01 ng/uL#	75
58) 4-Nitrophenol	14.883	65	155	0.01 ng/uL#	1
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	15.215	232	121	0.00 ng/uL#	6
62) Fluorene	15.716	166	1214	0.01 ng/uL#	1
63) Diethyl Phthalate	15.605	149	11635	0.08 ng/uL	98
64) 4-Chlorophenyl Phenyl ...	15.792	204	236	0.00 ng/uL#	1
65) 4-Nitroaniline	15.961	138	212	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.287	198	744	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.078	169	839	0.01 ng/uL#	88
69) 1,2-Diphenylhydrazine	16.188	182	1385	0.03 ng/uL#	53
71) 4-Bromophenyl Phenyl E...	16.958	248	120	0.00 ng/uL#	50
72) Hexachlorobenzene	17.004	284	224	0.01 ng/uL#	57
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.477	266	529	0.02 ng/uL#	25
75) Phenanthrene	17.879	178	4285	0.02 ng/uL#	64
76) Anthracene	17.978	178	1939	0.01 ng/uL#	94
77) Carbazole	18.310	167	2170	0.01 ng/uL#	63
79) Di-n-butyl Phthalate	18.986	149	28229	0.14 ng/uL#	94
80) Fluoroanthene	19.761	202	6145	0.03 ng/uL	95
82) Pyrene	20.053	202	5653	0.03 ng/uL#	1
83) Butyl Benzyl Phthalate	20.577	149	368	0.01 ng/uL	90
84) Bis(2-ethylhexyl) adipate	20.985	129	4006	0.13 ng/uL#	100
85) Benzo(a)anthracene	21.463	228	5712	0.04 ng/uL#	21
86) Chrysene	21.498	228	3815	0.03 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.510	149	188061	2.13 ng/uL	91
88) Di-n-octyl Phthalate	22.180	149	2905m	~~0.36~~ ng/uL	
90) Benzo(b)fluoroanthene	22.647	252	4544	0.07 ng/uL#	91
91) Benzo(k)fluoranthene	22.670	252	4397	0.06 ng/uL#	72
92) Benzo(a)pyrene	23.049	252	3311	0.05 ng/uL#	78
93) Indeno(1,2,3-cd)pyrene	24.756	276	1600	0.03 ng/uL#	80
94) Dibdenz(a,h)anthracene	24.762	278	941	0.02 ng/uL	97
95) Benzo(g,h,i)Perylene	25.217	276	995	0.02 ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-11.D
Acq On : 14 Oct 2014 19:28
Operator : JLB
Sample : 1409499-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 07:52:04 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration

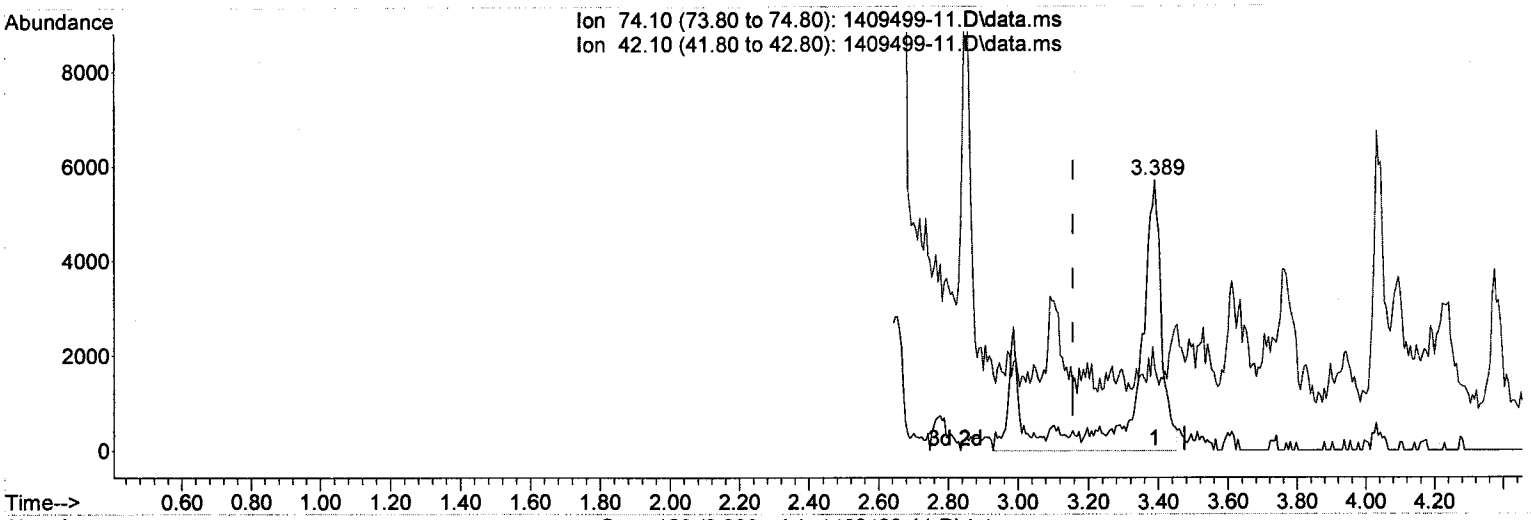
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.591	152	364576	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.307	136	1360028	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.411	164	731471	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.838	188	1081401	5.00	ng/uL		0.00
19) Chrysene-d12	21.469	240	735627	5.00	ng/uL	#	0.00
22) Perylene-d12	23.124	264	384487	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.103	74	2167	0.04	ng/uL#		1
3) Pyridine	3.097	79	123	0.00	ng/uL#		1
4) Aniline	6.927	93	1687	0.01	ng/uL#		1
5) Benzaldehyde	6.711	105	7566	0.09	ng/uL#		82
6) Acetophenone	8.430	105	3418	0.02	ng/uL		96
7) N-Nitroso-di-n-propyla...	8.535	70	617	0.01	ng/uL		95
9) 4-Chloroaniline	10.500	127	216	0.01	ng/uL#		1
10) Caprolactam	11.275	55	2871	0.16	ng/uL#		55
12) 1,1'-Biphenyl	13.093	154	1009	0.00	ng/uL#		77
13) 2-Nitroaniline	13.373	138	122	0.01	ng/uL#		1
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.961	138	212	Below Cal	#		1
17) N-Nitroso-diphenylamine	16.078	169	839	0.01	ng/uL#		88
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.140	184	2332	0.43	ng/uL		95
21) 3,3'-Dichlorobenzidine	21.364	252	124	0.00	ng/uL#		19

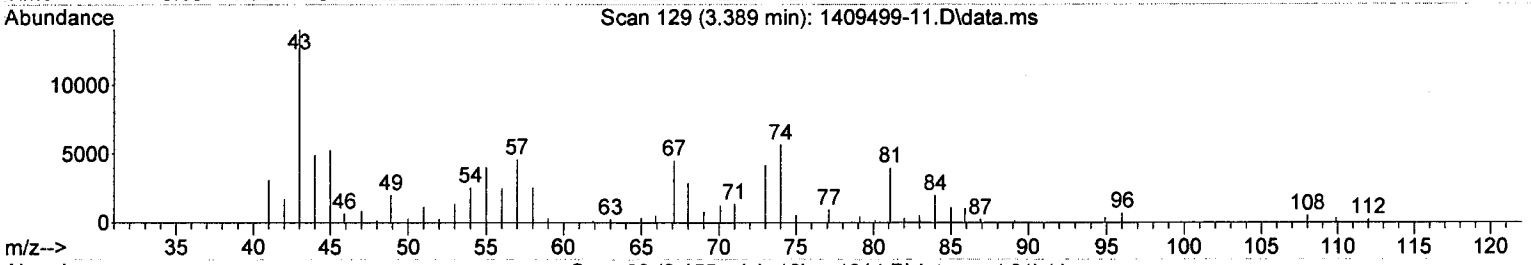
(#) = qualifier out of range (m) = manual integration (+) = signals summed

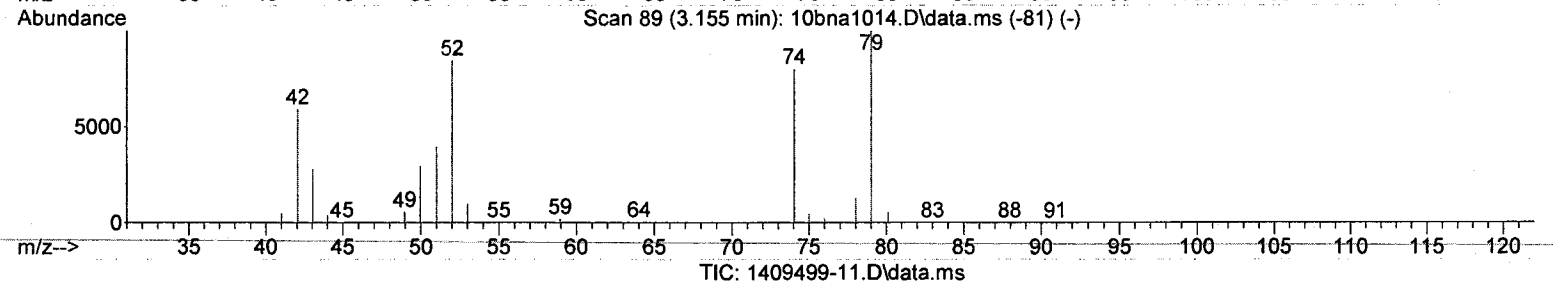
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-11.D
Acq On : 14 Oct 2014 19:28
Operator : JLB
Sample : 1409499-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1409499-11.D\data.ms

(2) N-Nitroso-dimethylamine

3.389min (+ 0.233) 0.57 ng/uL

response 30900

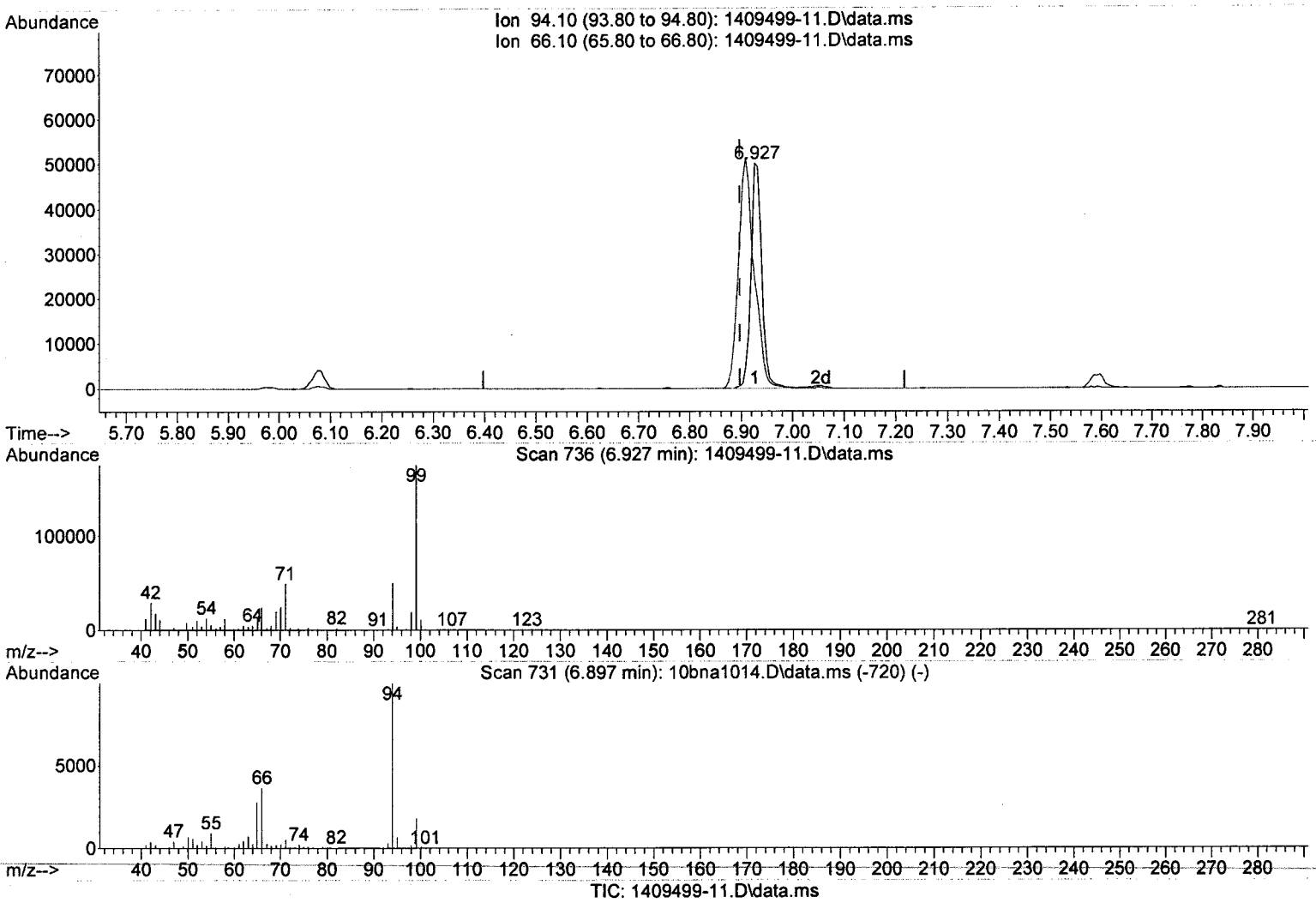
Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	2.44#
0.00	0.00	0.00
0.00	0.00	0.00

RJ

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-11.D
Acq On : 14 Oct 2014 19:28
Operator : JLB
Sample : 1409499-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-11.D\data.ms

(7) Phenol (C)

6.927min (+ 0.029) 0.59 ng/uL

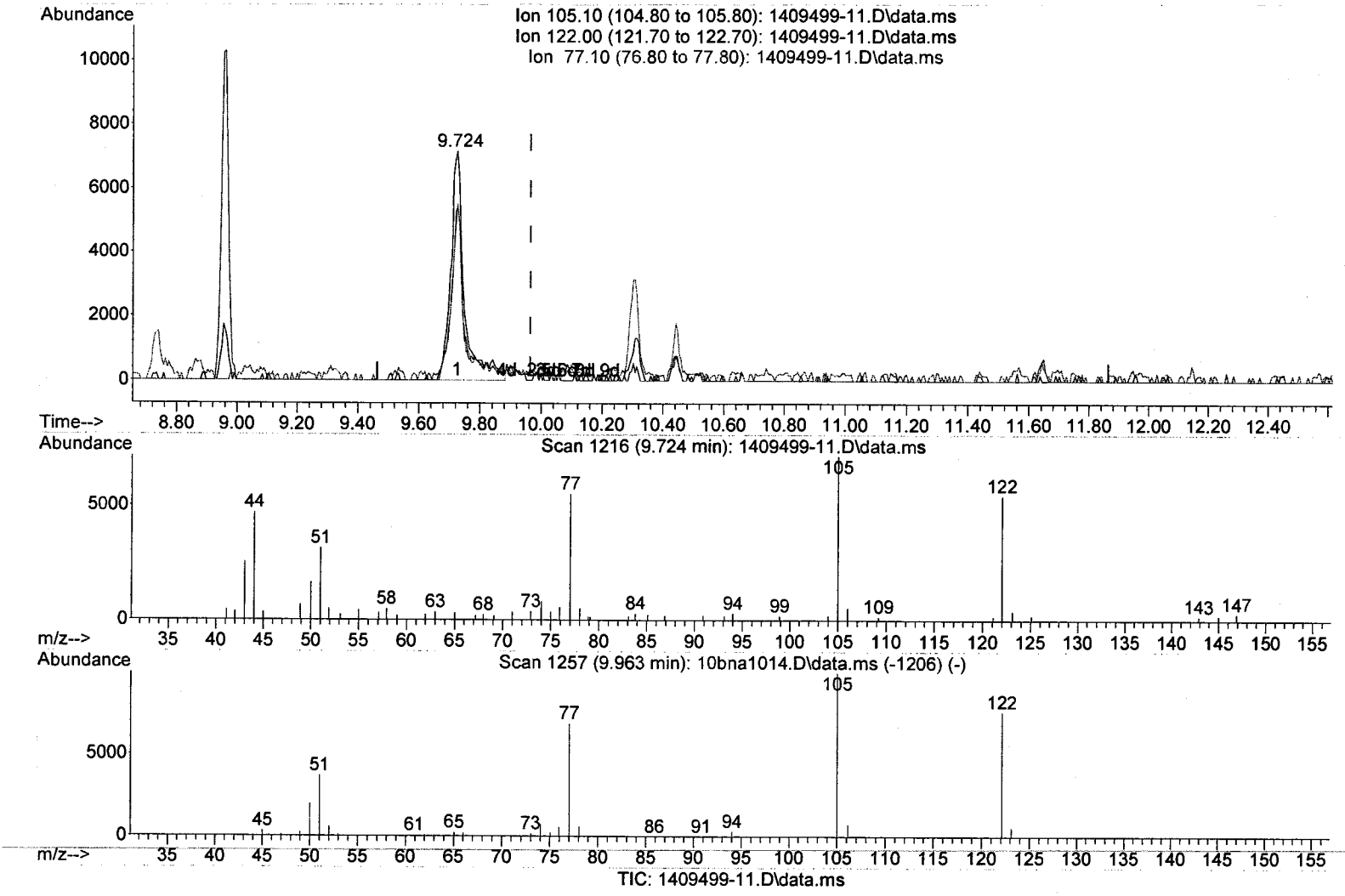
response 73391

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	149.67#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-11.D
Acq On : 14 Oct 2014 19:28
Operator : JLB
Sample : 1409499-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.724min (-0.239) 2.75 ng/uL

response 22062

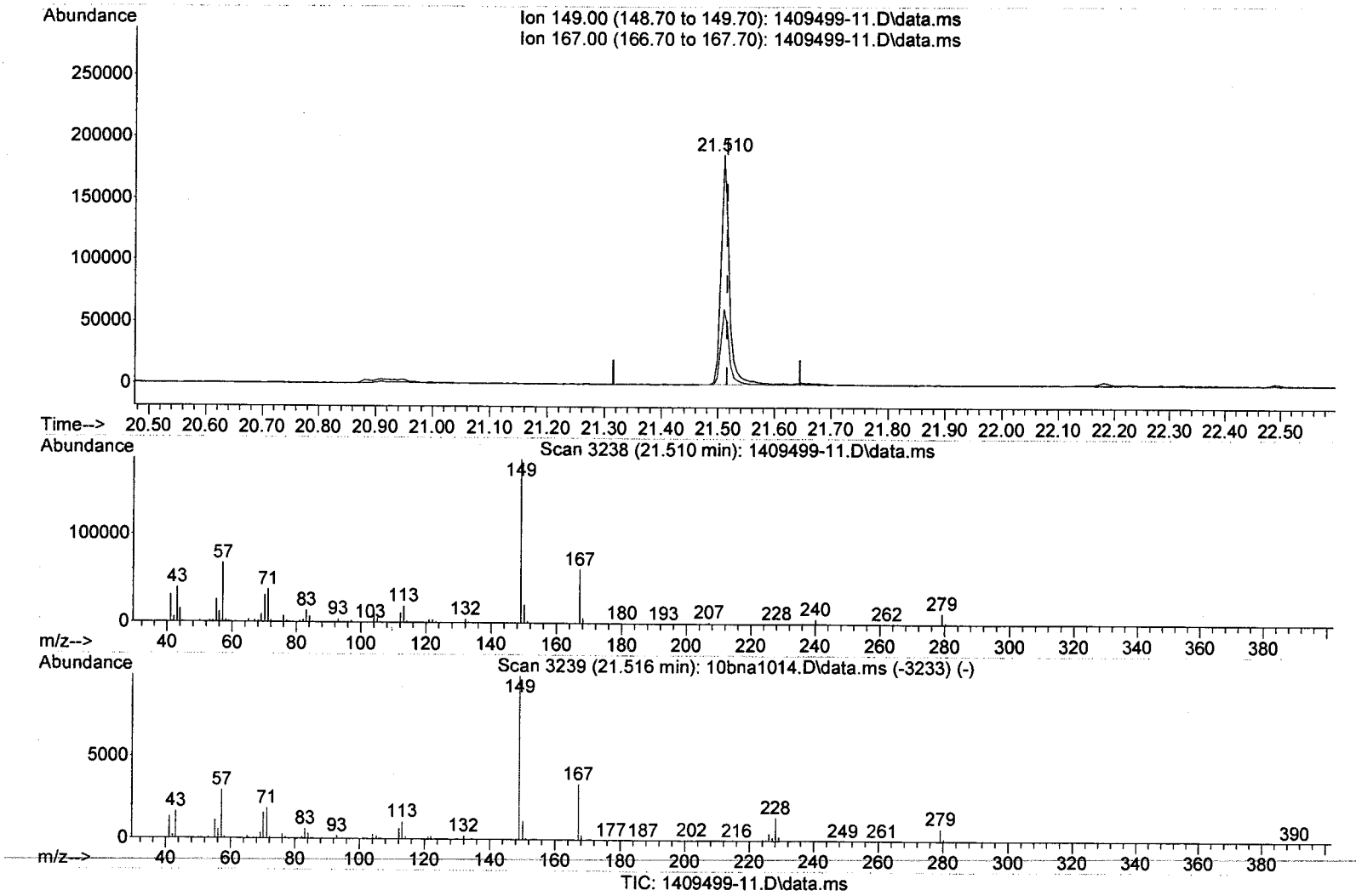
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	73.55
77.10	74.70	79.18
0.00	0.00	0.00

003192

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-11.D
Acq On : 14 Oct 2014 19:28
Operator : JLB
Sample : 1409499-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.510min (-0.006) 2.13 ng/uL

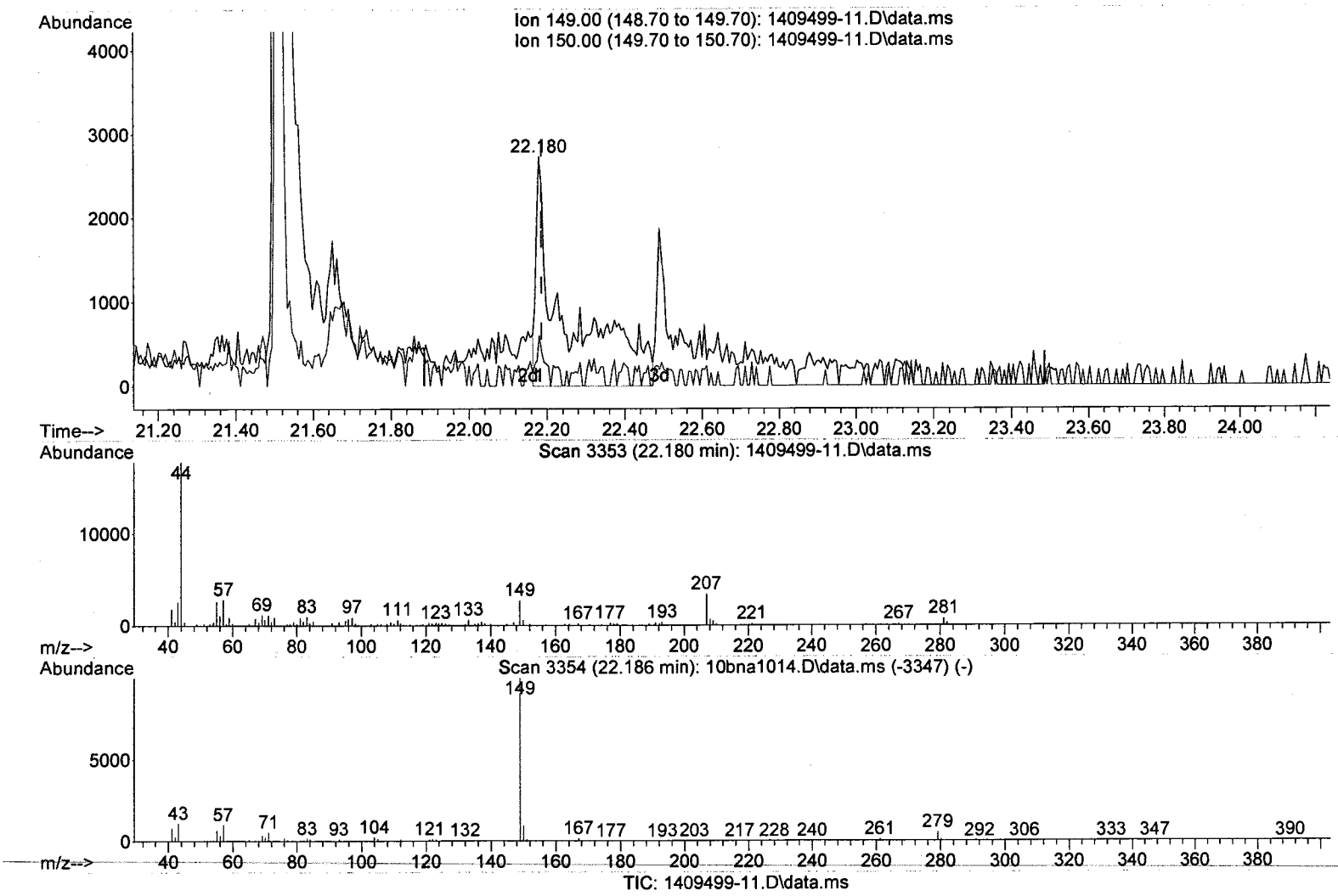
response 188061

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-11.D
Acq On : 14 Oct 2014 19:28
Operator : JLB
Sample : 1409499-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.180min (-0.006) 0.43 ng/uL

response 13901

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	5.78#
0.00	0.00	0.00
0.00	0.00	0.00

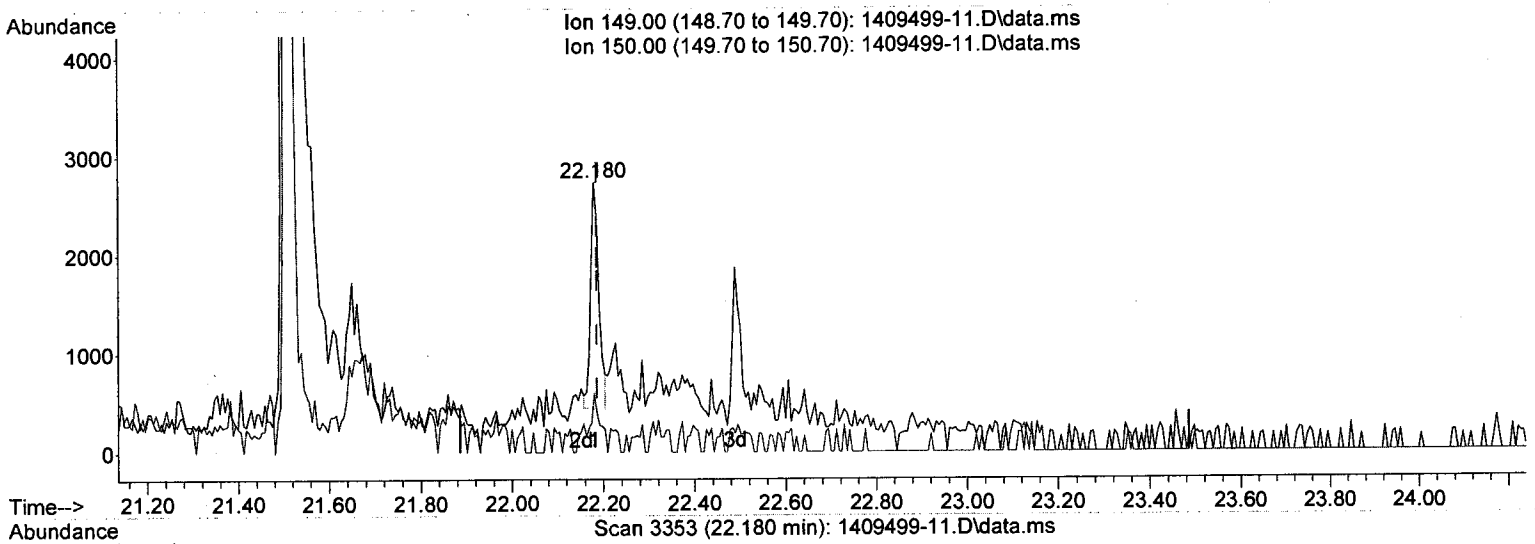
DW6 10-17-14

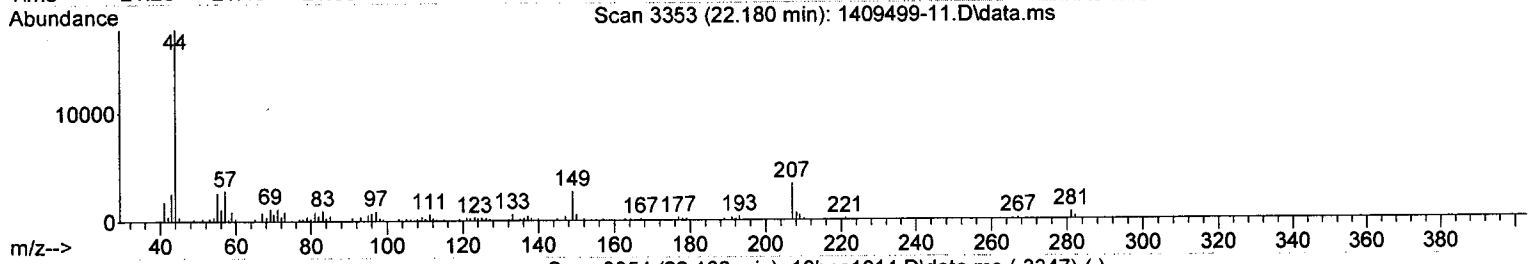
JWS 10/15/14

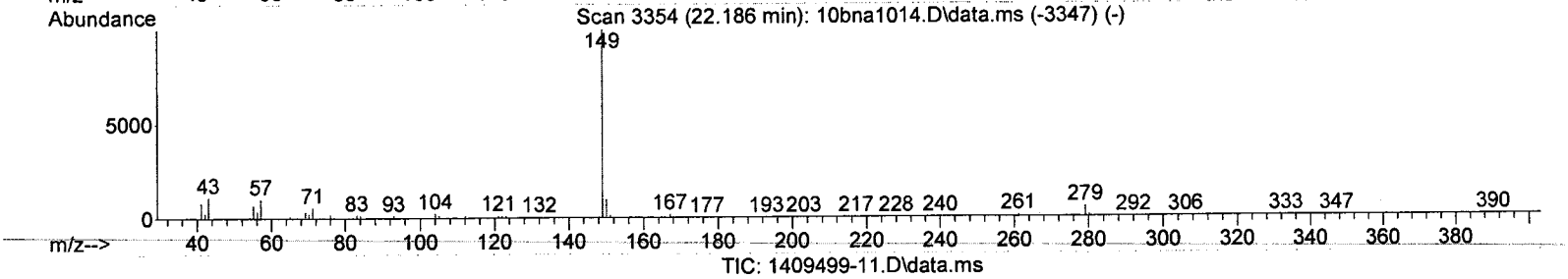
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-11.D
Acq On : 14 Oct 2014 19:28
Operator : JLB
Sample : 1409499-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1409499-11.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.180min (-0.006) 0.36 ng/uL m

response 2905

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	27.68#
0.00	0.00	0.00
0.00	0.00	0.00

PP

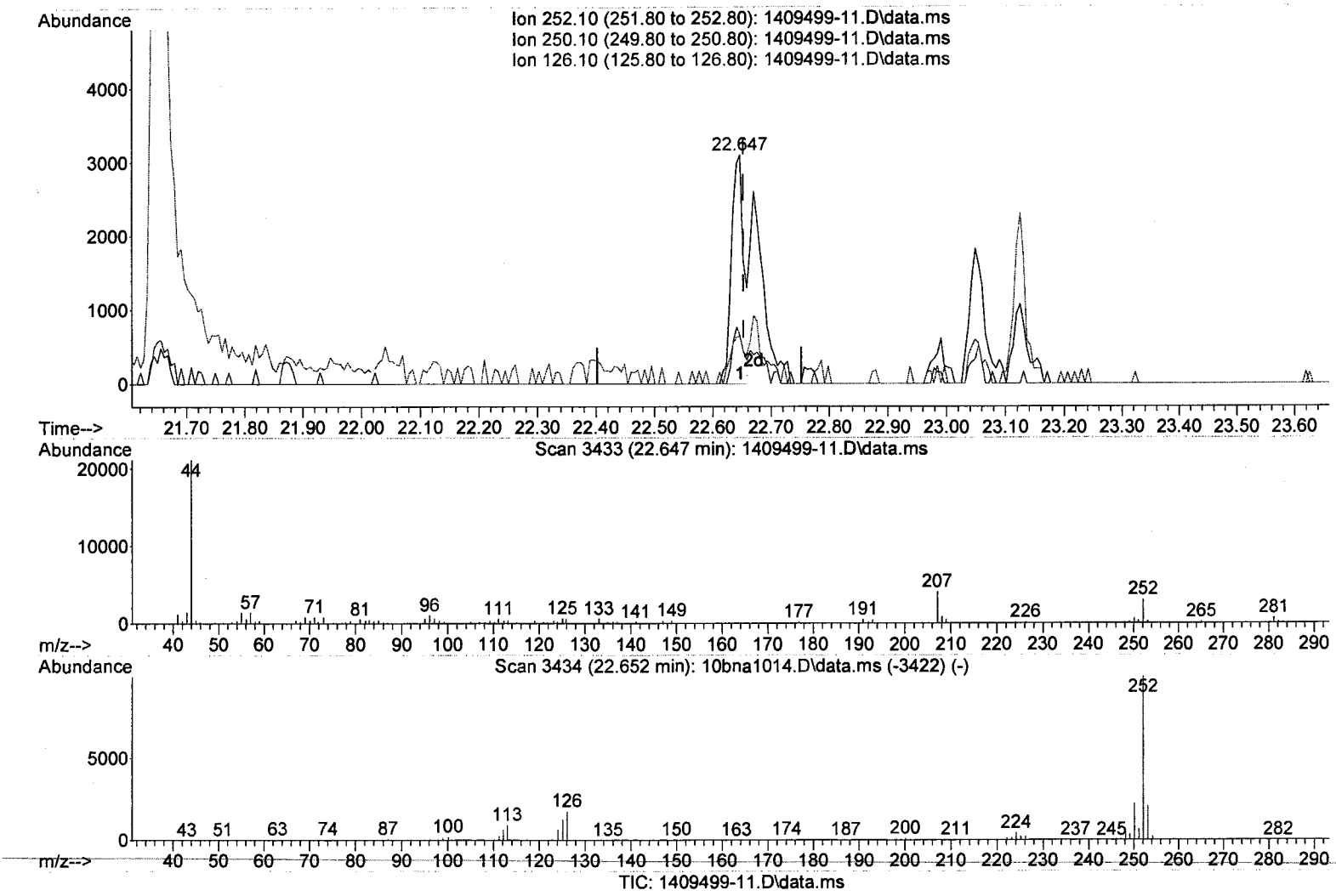
Manual Integration Explanation
Reason 3: Incorrect baseline drawn by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 10/15/14
Reviewed By: DM Date: 10-17-14

003195

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-11.D
Acq On : 14 Oct 2014 19:28
Operator : JLB
Sample : 1409499-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1409499-11.D\data.ms

(90) Benzo(b)fluoroanthene

22.647min (-0.006) 0.07 ng/uL

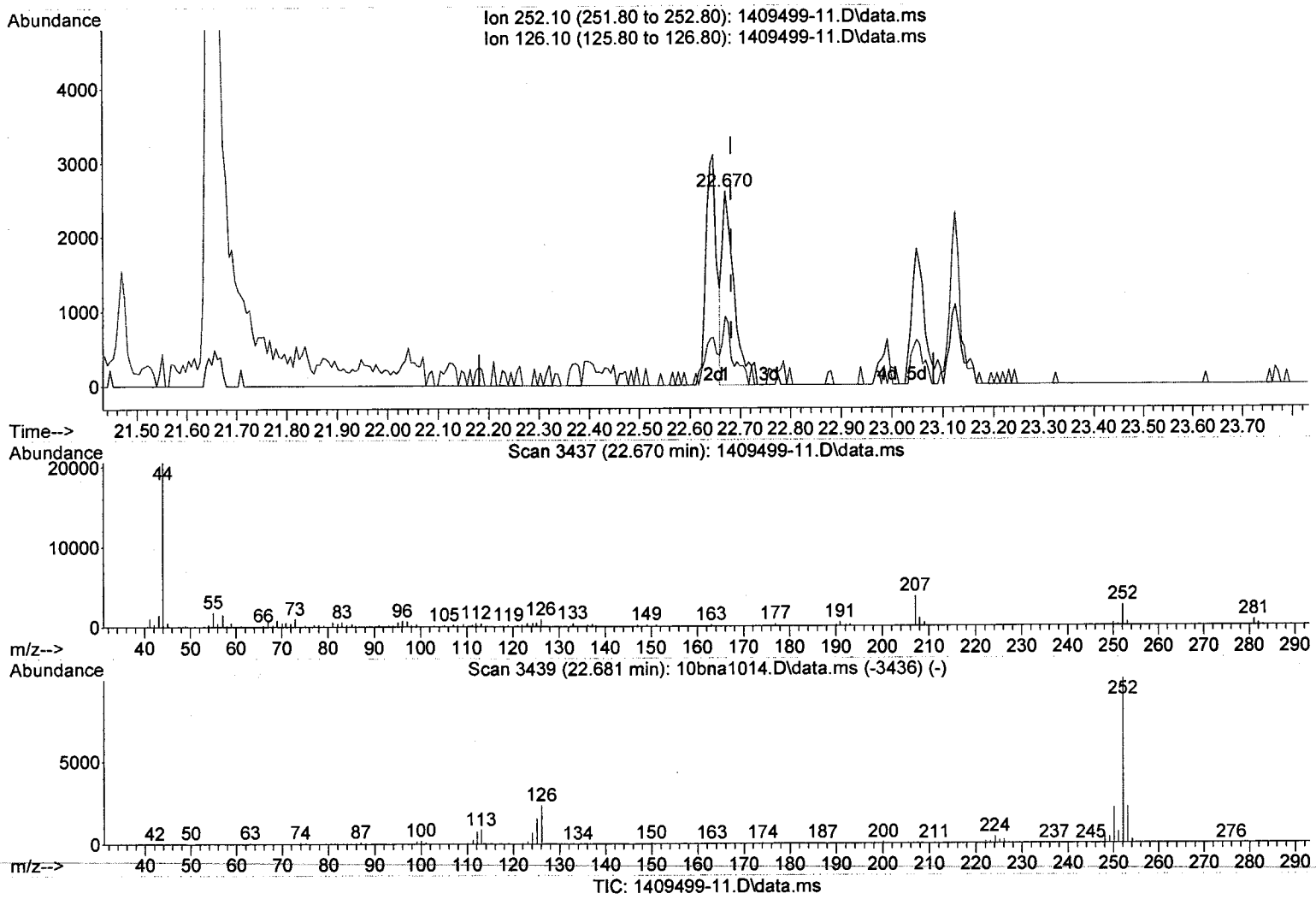
response 4544

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	22.51
126.10	17.20	25.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1409499-11.D
Acq On : 14 Oct 2014 19:28
Operator : JLB
Sample : 1409499-11 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:10:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.670min (-0.012) 0.06 ng/uL

response 4397

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	31.50#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-44DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-11RE1
File ID: 1409499-11 2x.D
Sampled: 09/26/14 10:20
Prepared: 10/02/14 07:41
Analyzed: 10/17/14 10:34
Solids: 96.98
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410563
Sequence: 4J17060
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	2	34	9.5	34	34	U
208-96-8	Acenaphthylene	2	34	8.6	34	34	U
120-12-7	Anthracene	2	34	8.3	34	34	U
56-55-3	Benzo(a)anthracene	2	17	5.7	17	34	U
50-32-8	Benzo(a)pyrene	2	7.1	4.7	17	34	J
205-99-2	Benzo(b)fluoranthene	2	6.4	3.9	17	34	J
207-08-9	Benzo(k)fluoranthene	2	6.4	4.0	17	34	J
191-24-2	Benzo(g,h,i)perylene	2	7.8	3.9	17	69	J
65-85-0	Benzoic Acid	2	340	140	340	690	U
100-51-6	Benzyl Alcohol	2	34	9.5	34	34	U
101-55-3	4-Bromophenyl Phenyl Ether	2	34	8.3	34	34	U
85-68-7	Butyl Benzyl Phthalate	2	34	8.2	34	69	U
86-74-8	Carbazole	2	34	8.3	34	340	U
59-50-7	4-Chloro-3-methylphenol	2	34	10	34	34	U
106-47-8	4-Chloroaniline	2	34	18	34	140	U
111-91-1	Bis(2-chloroethoxy)methane	2	34	8.4	34	34	U
111-44-4	Bis(2-chloroethyl) Ether	2	34	8.1	34	34	U
108-60-1	Bis(2-chloroisopropyl) Ether	2	17	7.6	17	34	U
91-58-7	2-Chloronaphthalene	2	34	10	34	34	U
95-57-8	2-Chlorophenol	2	34	8.1	34	34	U
7005-72-3	4-Chlorophenyl Phenyl Ether	2	34	7.8	34	34	U
218-01-9	Chrysene	2	34	8.0	34	34	U
53-70-3	Dibenz(a,h)anthracene	2	4.9	3.9	17	69	J
132-64-9	Dibenzofuran	2	34	10	34	34	U
84-74-2	Di-n-butyl Phthalate	2	69	28	69	140	U
106-46-7	1,4-Dichlorobenzene	2	34	9.9	34	34	U
95-50-1	1,2-Dichlorobenzene	2	34	11	34	34	U
541-73-1	1,3-Dichlorobenzene	2	34	12	34	34	U
91-94-1	3,3´-Dichlorobenzidine	2	1400	570	1400	1700	U
120-83-2	2,4-Dichlorophenol	2	34	8.4	34	69	U
84-66-2	Diethyl Phthalate	2	34	10	34	34	U
105-67-9	2,4-Dimethylphenol	2	270	75	270	340	U
131-11-3	Dimethyl Phthalate	2	34	9.7	34	34	U
534-52-1	4,6-Dinitro-2-methylphenol	2	140	44	140	340	U
51-28-5	2,4-Dinitrophenol	2	340	120	340	340	U
606-20-2	2,6-Dinitrotoluene	2	17	8.3	17	34	U
121-14-2	2,4-Dinitrotoluene	2	17	6.8	17	69	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-44DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-11RE1
File ID: 1409499-11 2x.D
Sampled: 09/26/14 10:20
Prepared: 10/02/14 07:41
Analyzed: 10/17/14 10:34
Solids: 96.98
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410563
Sequence: 4J17060
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	2	39	8.0	34	34	**B**
122-66-7	1,2-Diphenylhydrazine	2	17	6.9	17	34	U
117-81-7	Bis(2-ethylhexyl) Phthalate	2	69	24	34	69	**B**
206-44-0	Fluoranthene	2	34	9.2	34	34	U
86-73-7	Fluorene	2	34	8.3	34	69	U
118-74-1	Hexachlorobenzene	2	34	9.8	34	34	U
87-68-3	Hexachlorobutadiene	2	34	9.4	34	34	U
67-72-1	Hexachloroethane	2	34	10	34	34	U
193-39-5	Indeno(1,2,3-cd)pyrene	2	13	5.5	17	69	**J**
78-59-1	Isophorone	2	34	7.9	34	34	U
91-57-6	2-Methylnaphthalene	2	34	9.4	34	34	U
108-39-4	3+4-Methylphenol	2	17	7.6	17	34	U
95-48-7	2-Methylphenol	2	17	7.3	17	34	U
91-20-3	Naphthalene	2	34	12	34	34	U
100-01-6	4-Nitroaniline	2	140	51	140	680	U
88-74-4	2-Nitroaniline	2	17	7.4	17	34	U
99-09-2	3-Nitroaniline	2	69	34	69	680	U
98-95-3	Nitrobenzene	2	34	9.5	34	34	U
88-75-5	2-Nitrophenol	2	34	9.2	34	34	U
100-02-7	4-Nitrophenol	2	690	210	690	1400	U
62-75-9	N-Nitroso-dimethylamine	2	14	6.8	14	69	U
86-30-6	N-Nitroso-diphenylamine	2	17	7.1	17	34	U
621-64-7	N-Nitroso-di-n-propylamine	2	34	8.3	34	34	U
87-86-5	Pentachlorophenol	2	34	27	34	340	U
85-01-8	Phenanthrene	2	34	8.4	34	34	U
108-95-2	Phenol	2	20	8.0	34	340	**J**
129-00-0	Pyrene	2	34	8.9	34	34	U
120-82-1	1,2,4-Trichlorobenzene	2	34	9.1	34	34	U
95-95-4	2,4,5-Trichlorophenol	2	34	9.3	34	34	U
88-06-2	2,4,6-Trichlorophenol	2	17	5.2	17	34	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	706	572	81	33 - 113	
Phenol-d6	706	614	87	30 - 115	
Nitrobenzene-d5	353	314	89	33 - 131	
2-Fluorobiphenyl	353	353	100	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU16SB29-44DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1409499-11RE1
File ID: 1409499-11 2x.D
Sampled: 09/26/14 10:20
Prepared: 10/02/14 07:41
Analyzed: 10/17/14 10:34
Solids: 96.98
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410563
Sequence: 4J17060
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	706	395	56	12 - 124	
o-Terphenyl	353	414	117	20 - 155	

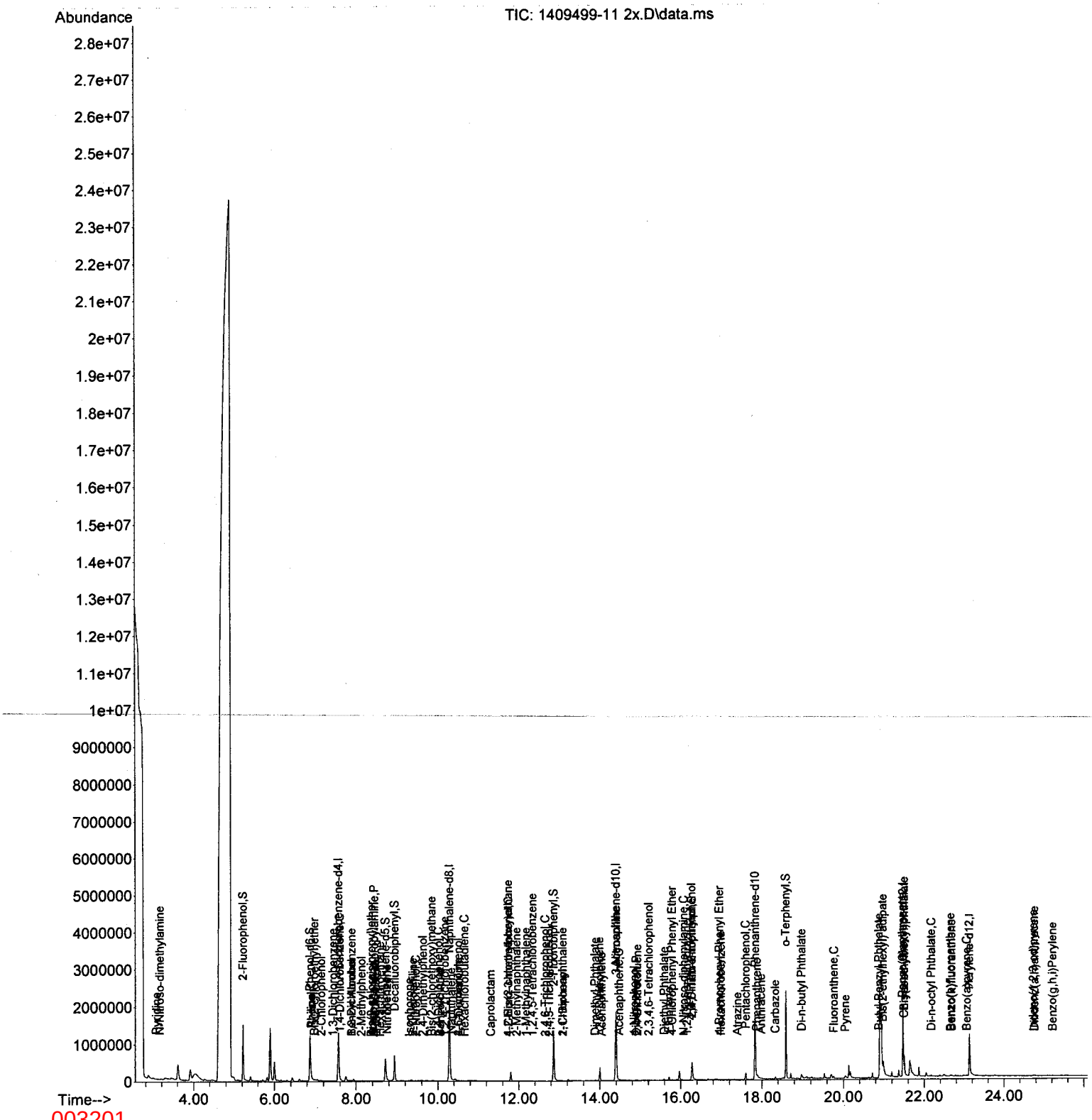
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	424213	7.561	403279	7.614	
Naphthalene-d8	1693754	10.289	1529030	10.359	
Acenaphthene-d10	924265	14.398	866604	14.474	
Phenanthrene-d10	1290896	17.837	1400442	17.901	
Chrysene-d12	1082475	21.474	1153654	21.538	
Perylene-d12	836462	23.129	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.561	152	424213	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.289	136	1693754	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	924265	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.837	188	1290896	5.00	ng/uL	0.00
81) Chrysene-d12	21.474	240	1082475	5.00	ng/uL	# 0.00
89) Perylene-d12	23.129	264	836462	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.224	112	785405	8.10	ng/uL	0.13
6) Phenol-d6	6.873	99	1090434	8.69	ng/uL	0.01
21) Nitrobenzene-d5	8.709	82	480834	4.44	ng/uL	-0.02
23) Decafluorobiphenyl	8.937	334	321528	4.24	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.865	172	953969	5.00	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	109397	5.59	ng/uL	-0.02
78) o-Terphenyl	18.595	230	648855	5.86	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.149	74	212	0.00	ng/uL	99
3) Pyridine	3.067	79	988	0.01	ng/uL	89
5) Aniline	6.902	93	991	0.23	ng/uL#	1
7) Phenol	6.902	94	41623	0.29	ng/uL#	2
8) Bis(2-chloroethyl)ether	6.978	93	529	0.00	ng/uL	90
9) 2-Chlorophenol	7.141	128	2229	0.02	ng/uL#	35
10) 1,3-Dichlorobenzene	7.433	146	3268	0.03	ng/uL#	76
11) 1,4-Dichlorobenzene	7.596	146	2847	0.02	ng/uL#	46
12) 1,2-Dichlorobenzene	7.888	146	3342	0.03	ng/uL#	81
13) Bis(2-chloroisipropyl)...	8.371	45	312	0.00	ng/uL	91
14) Benzyl Alcohol	7.888	108	2123	0.03	ng/uL#	72
15) 2-Methylphenol	8.132	108	1404	0.01	ng/uL#	53
16) Acetophenone	8.406	105	3205	0.02	ng/uL#	55
17) Hexachloroethane	8.581	119	1158	0.03	ng/uL#	75
18) 4-Methylphenol	8.476	108	1111	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.441	70	3449	0.05	ng/uL	83
22) Nitrobenzene	8.750	77	2099	0.02	ng/uL#	65
24) Isophorone	9.298	82	5243	0.02	ng/uL	96
25) 2-Chloroaniline	9.391	127	1558	0.01	ng/uL#	84
26) 2-Nitrophenol	9.455	139	227	0.00	ng/uL#	26
27) 2,4-Dimethylphenol	9.630	107	1474	0.01	ng/uL#	60
28) Bis(2-chlorethoxy)methane	9.846	93	2523	0.02	ng/uL	84
29) 2,4-Dichlorophenol	10.015	162	725	0.01	ng/uL#	1
30) Benzoic Acid	10.062	105	4148	pp 2.50	ng/uL#	13
31) 1,2,4-Trichlorobenzene	10.172	180	2072	0.02	ng/uL	100
32) Naphthalene	10.336	128	8532	0.03	ng/uL#	1
33) 4-Chloroaniline	10.510	127	521	0.01	ng/uL#	1
34) 2,6-Dichlorophenol	10.510	162	1397	0.02	ng/uL#	66
35) Hexachlorobutadiene	10.662	225	993	0.02	ng/uL#	84
36) Caprolactam	11.303	55	8104	0.17	ng/uL#	23
37) 1,2-Bis(2-chloroethoxy...	11.740	63	119	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.746	107	2090	0.02	ng/uL#	14
39) 2-Methylnaphthalene	11.950	142	3765	0.02	ng/uL	95
40) 1-Methylnaphthalene	12.177	142	4014	0.02	ng/uL	99
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

003202

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43)	1,2,4,5-Tetrachloroben...	12.341	216	1370	0.02 ng/uL#	91
44)	Hexachlorocyclopentadiene	0.000		0	N.D.	
45)	2,4,6-Trichlorophenol	12.661	196	531	0.01 ng/uL#	61
46)	2,4,5-Trichlorophenol	12.754	196	112	0.00 ng/uL#	20
48)	2-Chloronaphthalene	13.087	162	3713	0.02 ng/uL#	83
49)	1,1'-Biphenyl	13.087	154	1136	0.00 ng/uL#	70
50)	2-Nitroaniline	0.000		0	N.D.	
51)	Acenaphthylene	14.048	152	5671	0.02 ng/uL#	82
52)	2,6-Dinitrotoluene	13.996	165	688	0.01 ng/uL#	1
53)	Dimethyl Phthalate	13.885	163	11594	0.06 ng/uL#	88
54)	3-Nitroaniline	14.404	138	141	0.00 ng/uL#	1
55)	Acenaphthene	14.474	153	4095	0.02 ng/uL	90
56)	2,4-Dinitrophenol	0.000		0	N.D.	
57)	Dibenzofuran	14.899	168	4547	0.02 ng/uL#	82
58)	4-Nitrophenol	14.853	65	105	0.00 ng/uL#	1
59)	2,4-Dinitrotoluene	14.929	165	199	0.00 ng/uL#	85
60)	2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61)	2,3,4,6-Tetrachlorophenol	15.220	232	64	0.00 ng/uL#	18
62)	Fluorene	15.710	166	3912	0.02 ng/uL#	70
63)	Diethyl Phthalate	15.593	149	10607	0.06 ng/uL	98
64)	4-Chlorophenyl Phenyl ...	15.785	204	1318	0.01 ng/uL#	35
65)	4-Nitroaniline	0.000		0	N.D.	
67)	4,6-Dinitro-2-methylph...	16.275	198	130	RT 0.99 ng/uL#	1
68)	N-Nitroso-diphenylamine	16.077	169	2705	0.02 ng/uL#	86
69)	1,2-Diphenylhydrazine	16.153	182	786	0.02 ng/uL#	44
71)	4-Bromophenyl Phenyl E...	16.957	248	646	0.01 ng/uL#	62
72)	Hexachlorobenzene	16.998	284	1061	0.02 ng/uL	94
73)	Atrazine	17.400	200	122	0.00 ng/uL#	25
74)	Pentachlorophenol	17.604	266	66	0.00 ng/uL#	25
75)	Phenanthrene	17.878	178	8129	0.03 ng/uL	97
76)	Anthracene	17.977	178	5197	0.02 ng/uL#	93
77)	Carbazole	18.327	167	7262	0.03 ng/uL#	84
79)	Di-n-butyl Phthalate	18.979	149	23713	0.10 ng/uL	99
80)	Fluoroanthene	19.766	202	9475	0.04 ng/uL#	60
82)	Pyrene	20.052	202	9916	0.04 ng/uL#	56
83)	Butyl Benzyl Phthalate	20.880	149	6604	0.07 ng/uL	83
84)	Bis(2-ethylhexyl) adipate	20.979	129	5582	0.13 ng/uL#	100
85)	Benzo(a)anthracene	21.462	228	8992	0.05 ng/uL#	37
86)	Chrysene	21.497	228	9998	0.05 ng/uL#	1
87)	Bis(2-ethylhexyl)phtha...	21.503	149	126396	0.97 ng/uL	92
88)	Di-n-octyl Phthalate	22.179	149	49395	0.55 ng/uL#	85
90)	Benzo(b)fluoroanthene	22.651	252	13557	0.09 ng/uL#	86
91)	Benzo(k)fluoranthene	22.681	252	15980	0.09 ng/uL#	80
92)	Benzo(a)pyrene	23.059	252	15047	0.10 ng/uL#	83
93)	Indeno(1,2,3-cd)pyrene	24.738	276	21738	0.18 ng/uL	90
94)	Dibdenz(a,h)anthracene	24.767	278	7260	0.07 ng/uL#	80
95)	Benzo(g,h,i)Perylene	25.216	276	11948	0.11 ng/uL	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:02 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 09:04:10 2014
Response via : Initial Calibration

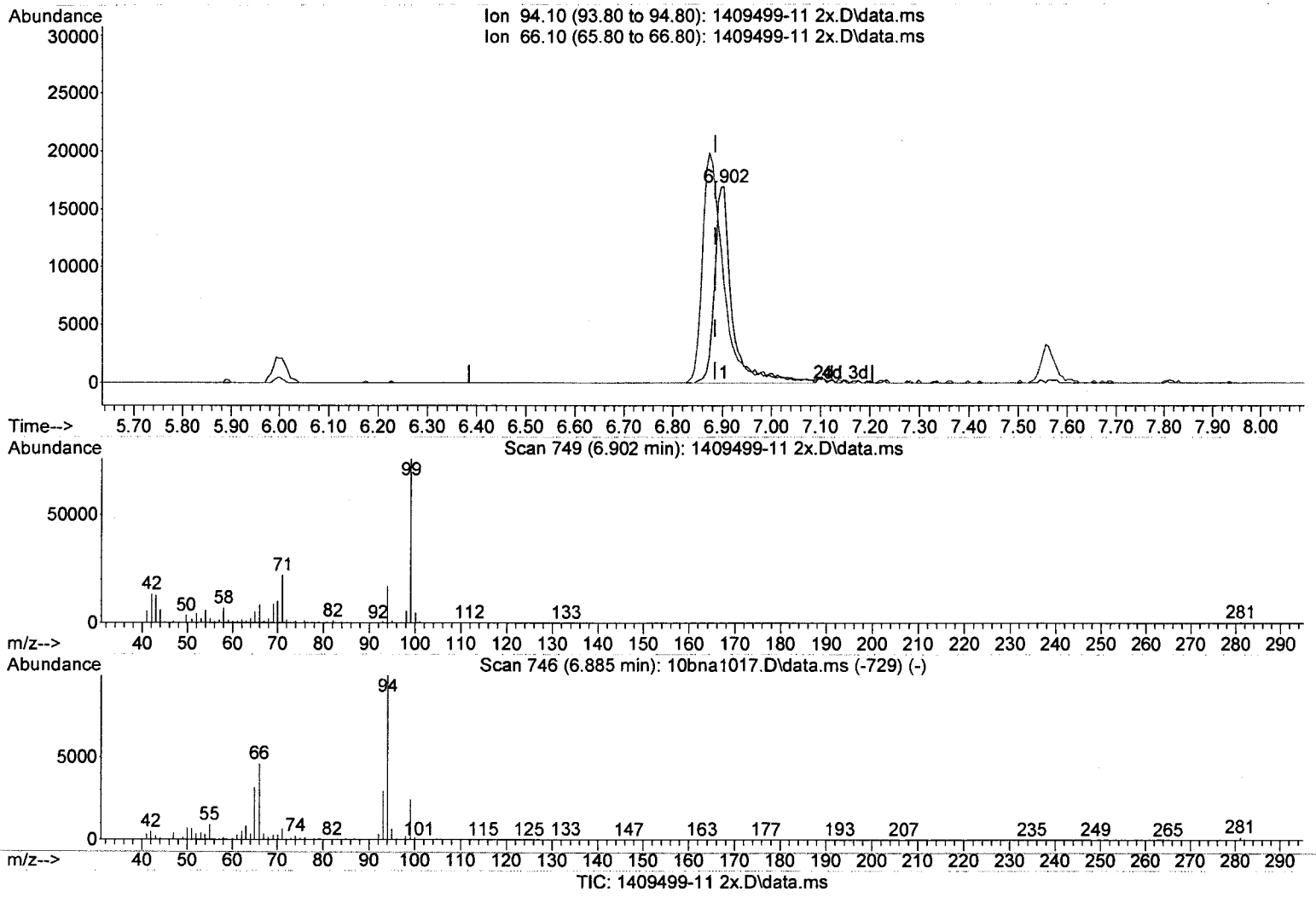
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.561	152	410730	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.289	136	1693754	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.398	164	892564	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.837	188	1413988	5.00	ng/uL		0.00
19) Chrysene-d12	21.474	240	1082475	5.00	ng/uL	#	0.00
22) Perylene-d12	23.129	264	847517	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.933	74	763	0.01	ng/uL	#	1
3) Pyridine	3.067	79	988	0.01	ng/uL		89
4) Aniline	6.902	93	991	0.01	ng/uL	#	1
5) Benzaldehyde	6.669	105	4142	0.05	ng/uL	#	71
6) Acetophenone	8.406	105	3205	0.02	ng/uL	#	55
7) N-Nitroso-di-n-propyla...	8.628	70	391	0.00	ng/uL		98
9) 4-Chloroaniline	10.551	127	138	0.01	ng/uL		88
10) Caprolactam	11.303	55	2595	0.14	ng/uL	#	26
12) 1,1'-Biphenyl	13.087	154	1136	0.00	ng/uL	#	70
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.404	138	141	Below Cal		#	1
15) 4-Nitroaniline	15.954	138	53	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.077	169	2705	0.02	ng/uL	#	86
18) Atrazine	17.400	200	122	Below Cal		#	25
20) Benzidine	20.139	184	1444	0.42	ng/uL	#	93
21) 3,3'-Dichlorobenzidine	21.462	252	1085	0.02	ng/uL	#	68

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1409499-11 2x.D\data.ms

(7) Phenol (C)

6.902min (+ 0.018) 0.29 ng/uL

response 41623

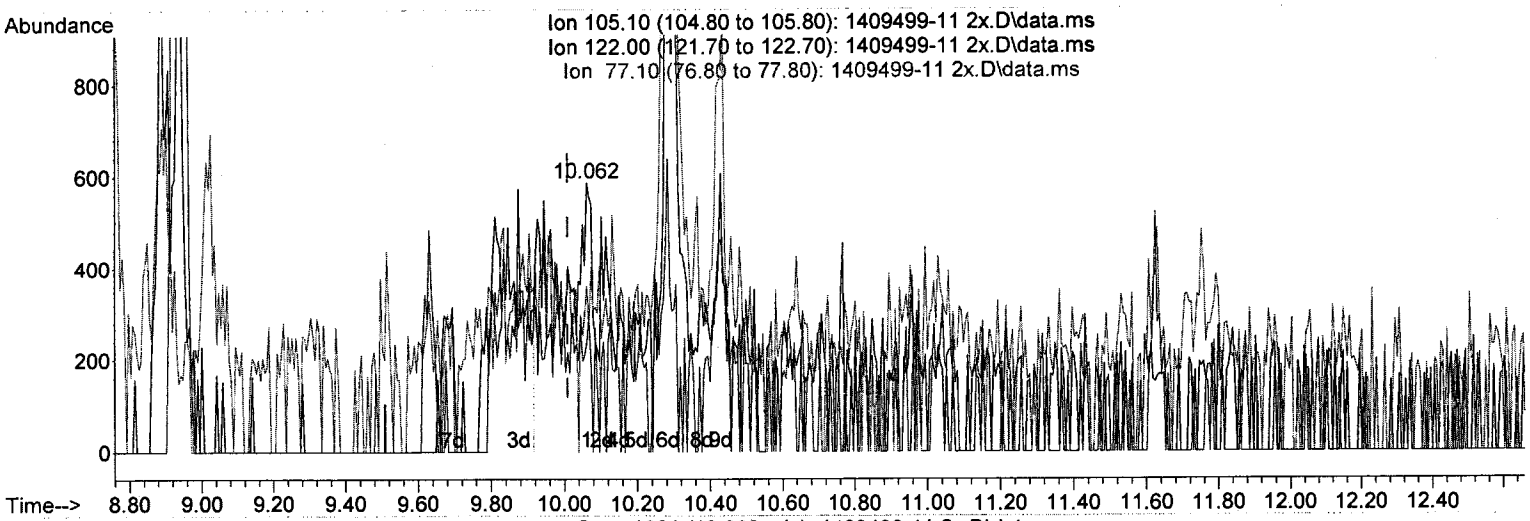
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	142.41#
0.00	0.00	0.00
0.00	0.00	0.00

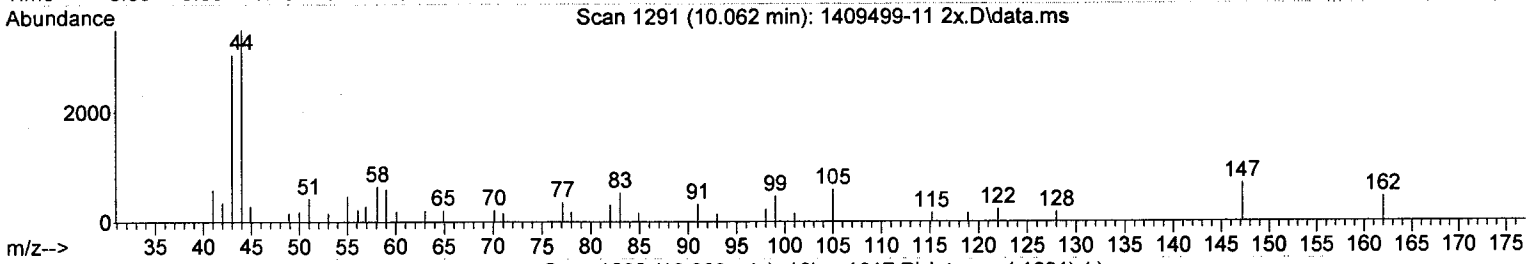
003205

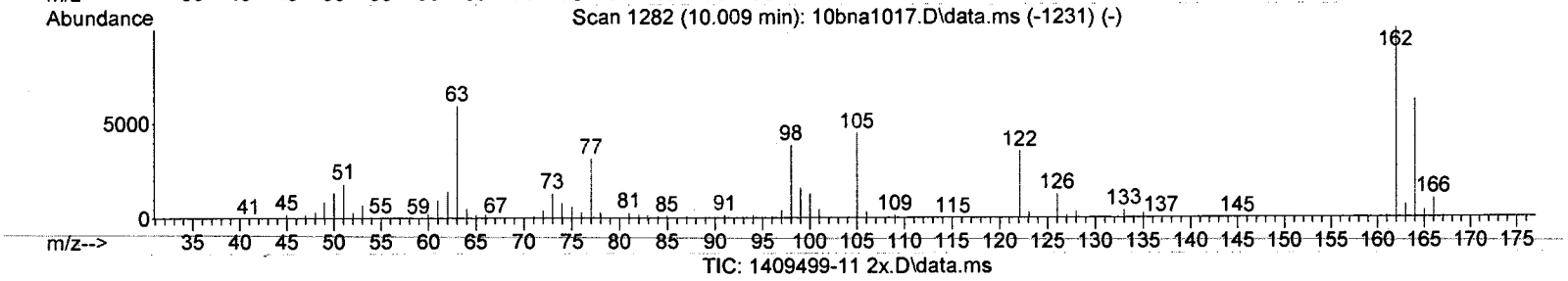
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1409499-11 2x.D\data.ms

(30) Benzoic Acid

10.062min (+ 0.052) 2.50 ng/uL

response 4148

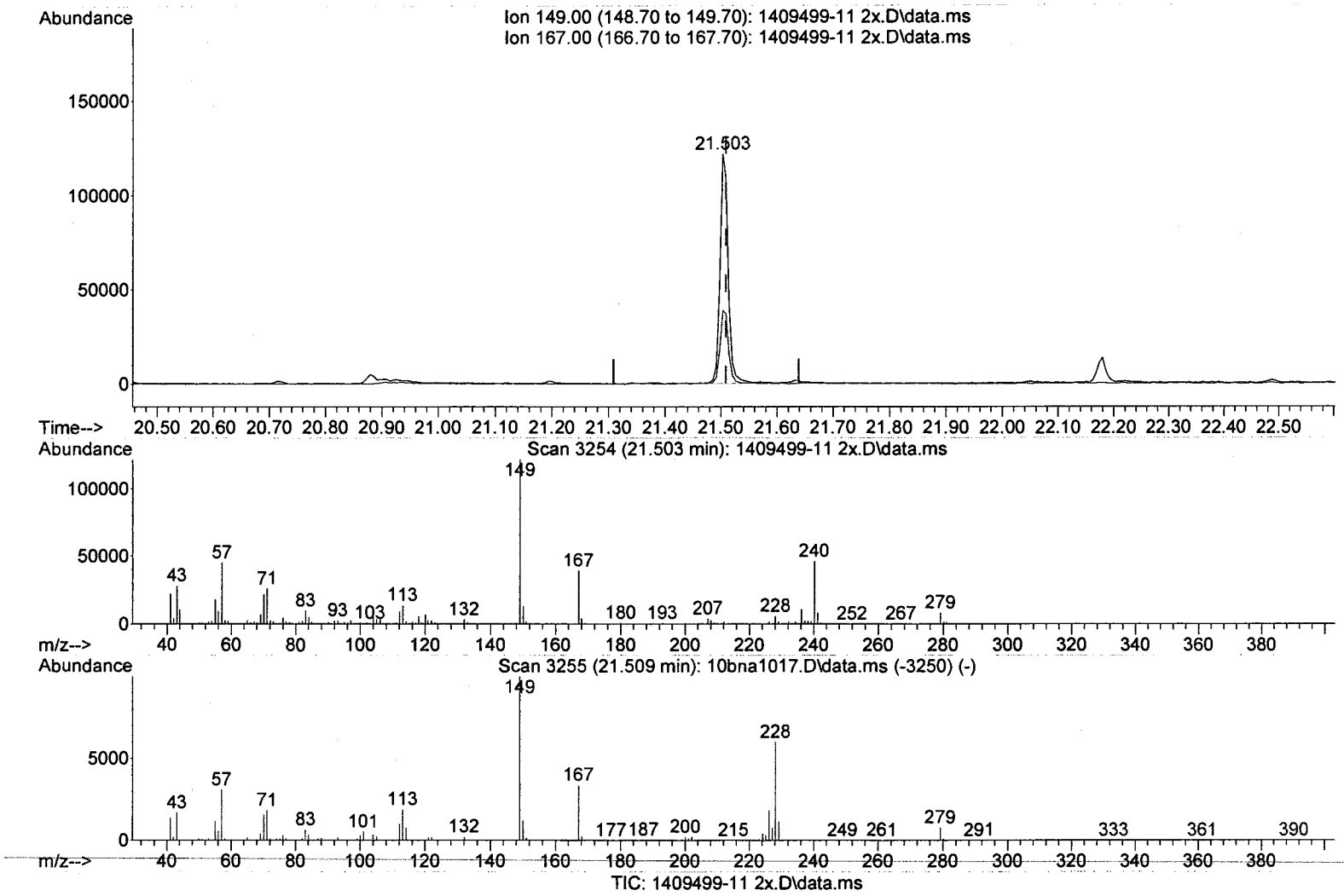
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	3.54#
77.10	74.70	0.00#
0.00	0.00	0.00

pp

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1409499-11 2x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.503min (-0.006) 0.97 ng/uL

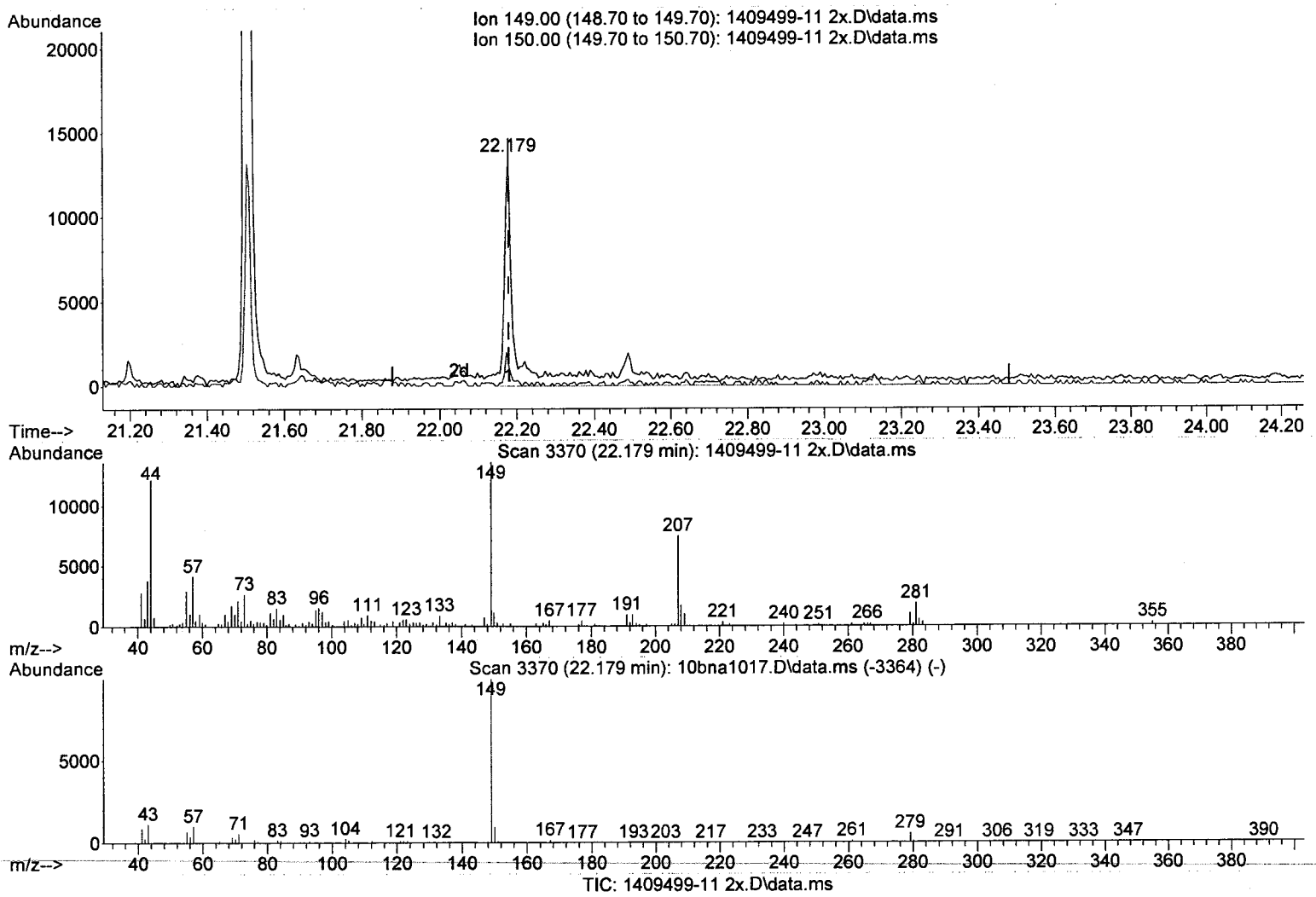
response 126396

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.25
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1409499-11 2x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.179min (+ 0.000) 0.55 ng/uL

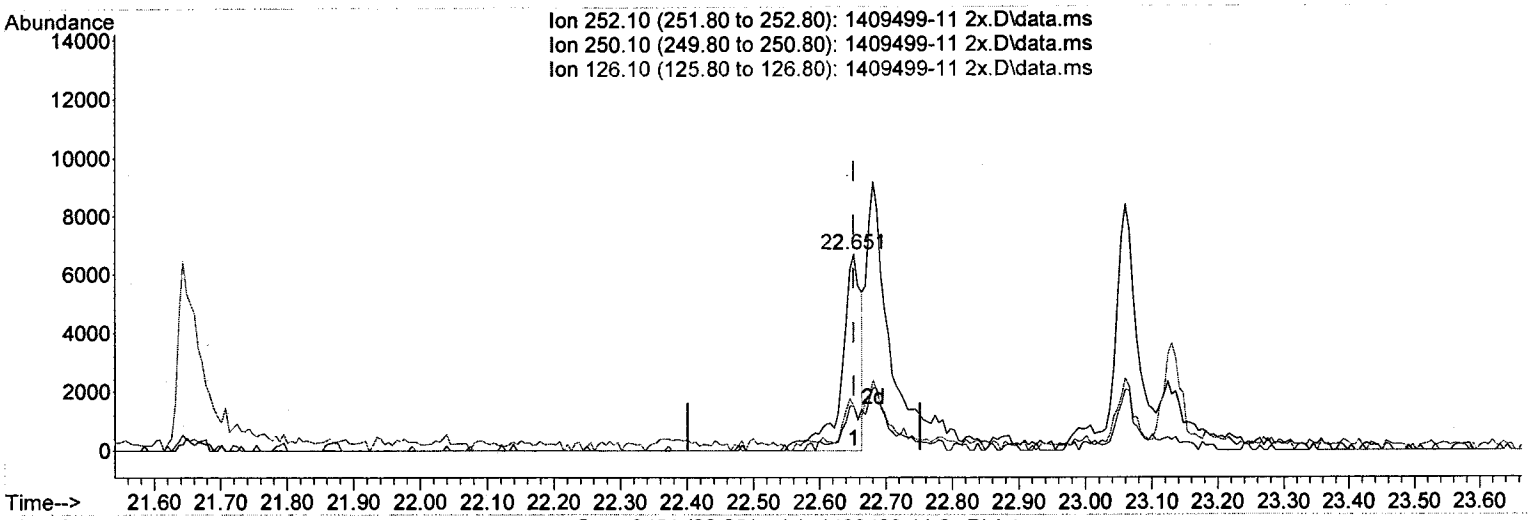
response 49395

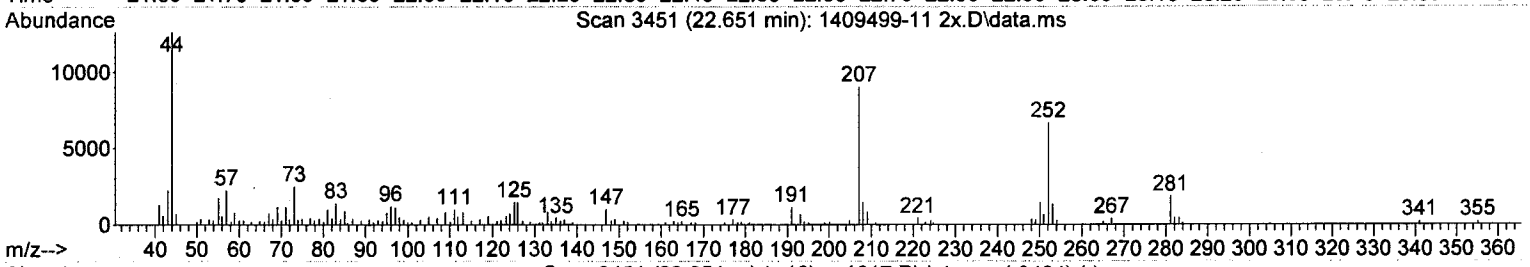
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	4.23#
0.00	0.00	0.00
0.00	0.00	0.00

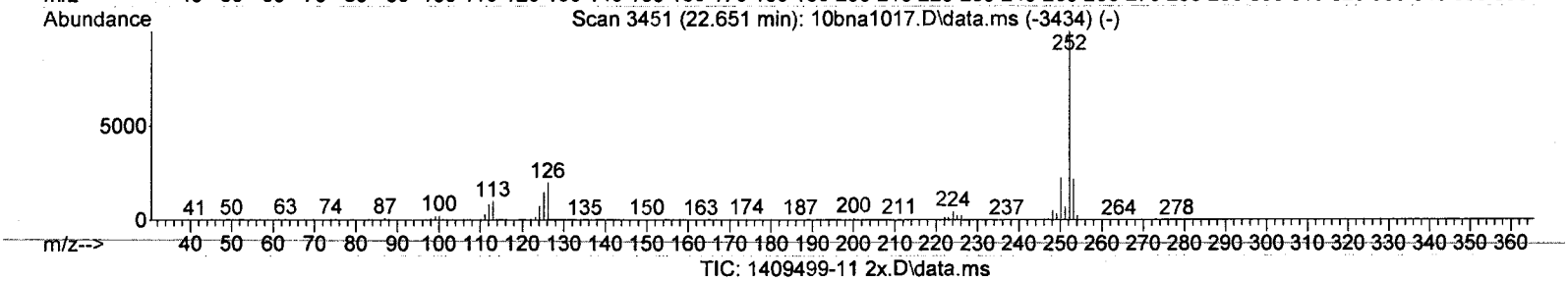
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1409499-11 2x.D\data.ms

(90) Benzo(b)fluoroanthene

22.651min (+ 0.000) 0.09 ng/uL

response 13557

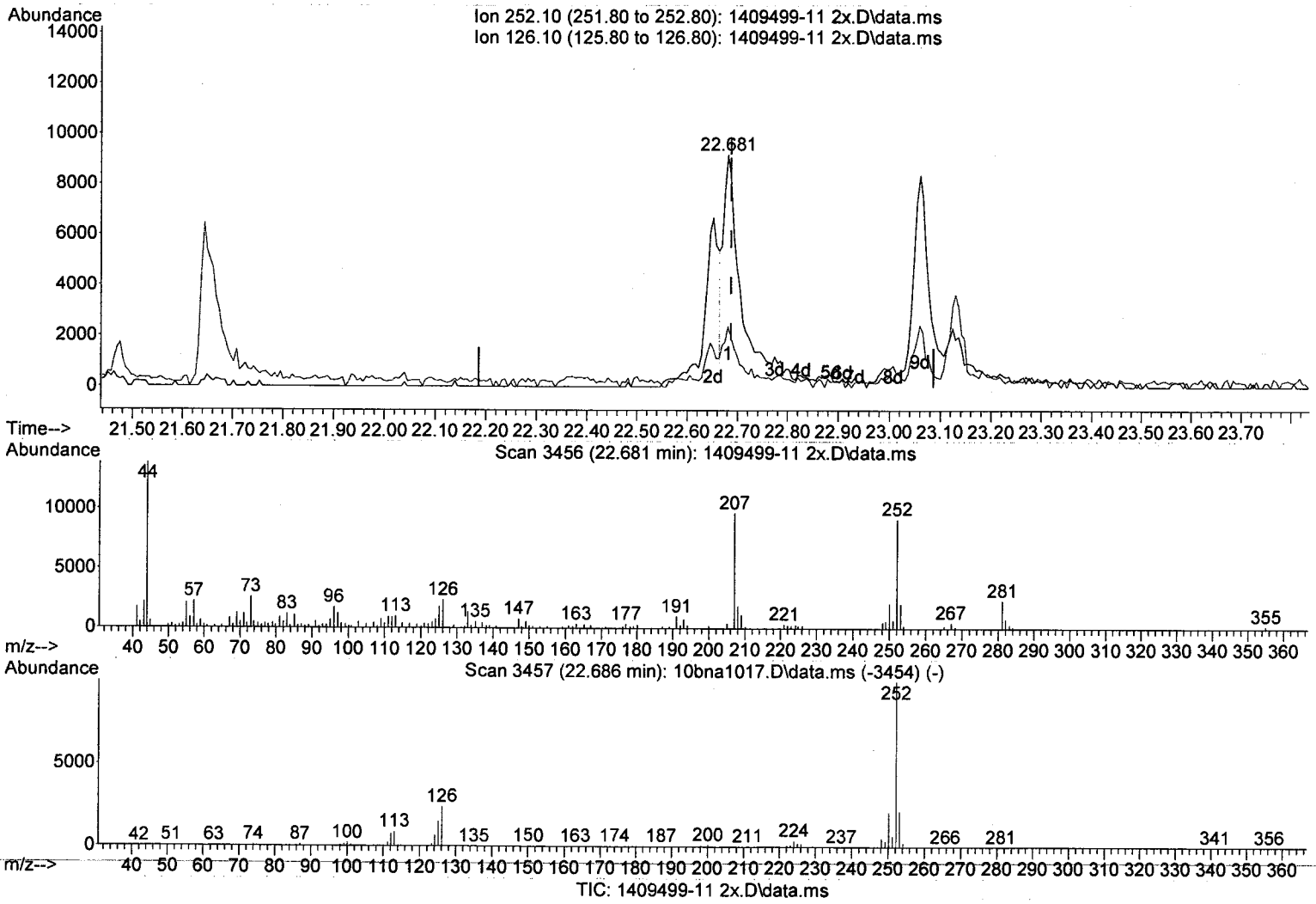
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	13.40#
126.10	17.20	14.04
0.00	0.00	0.00

003209

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.681min (-0.006) 0.09 ng/uL

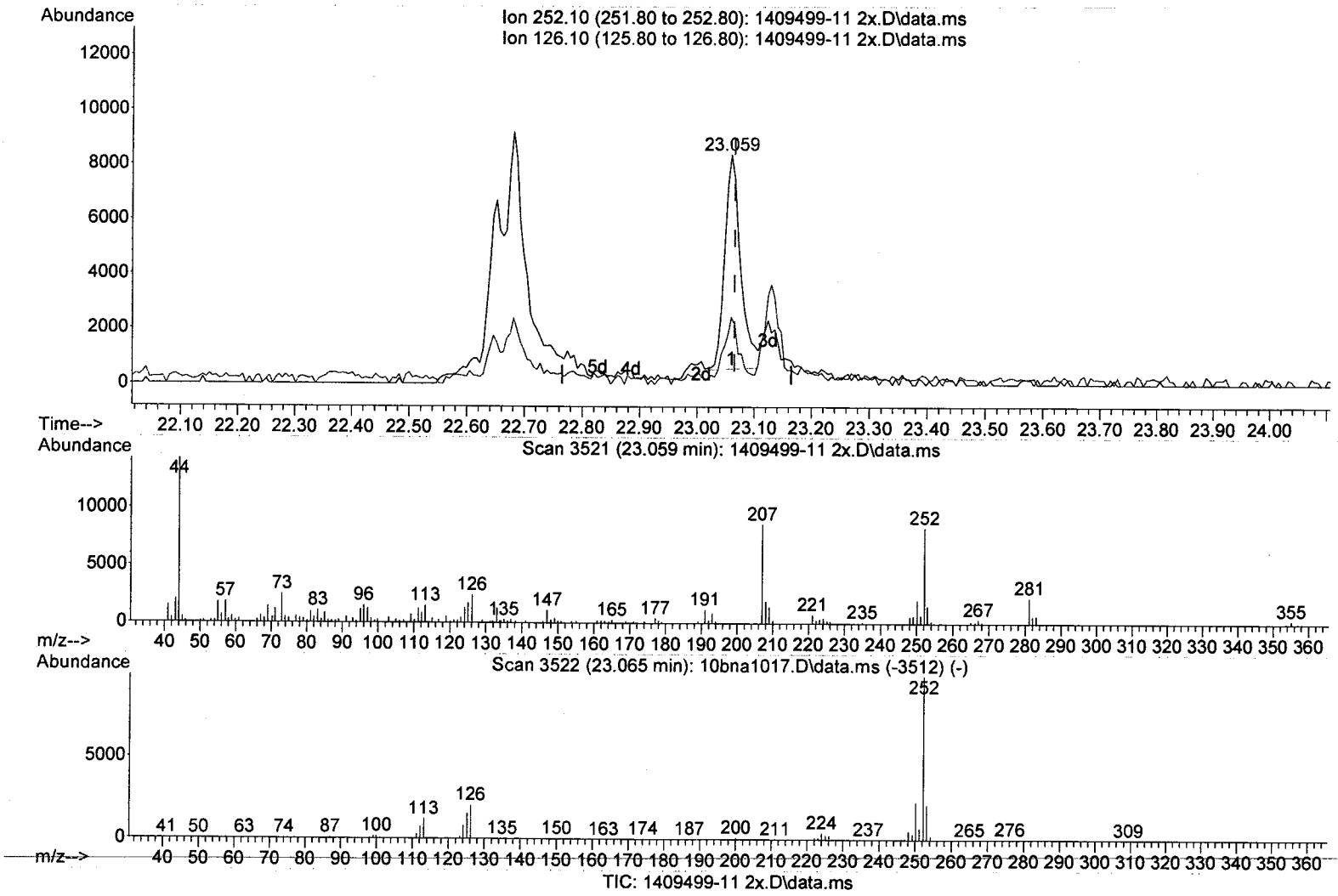
response 15980

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	27.90#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

23.059min (-0.006) 0.10 ng/uL

response 15047

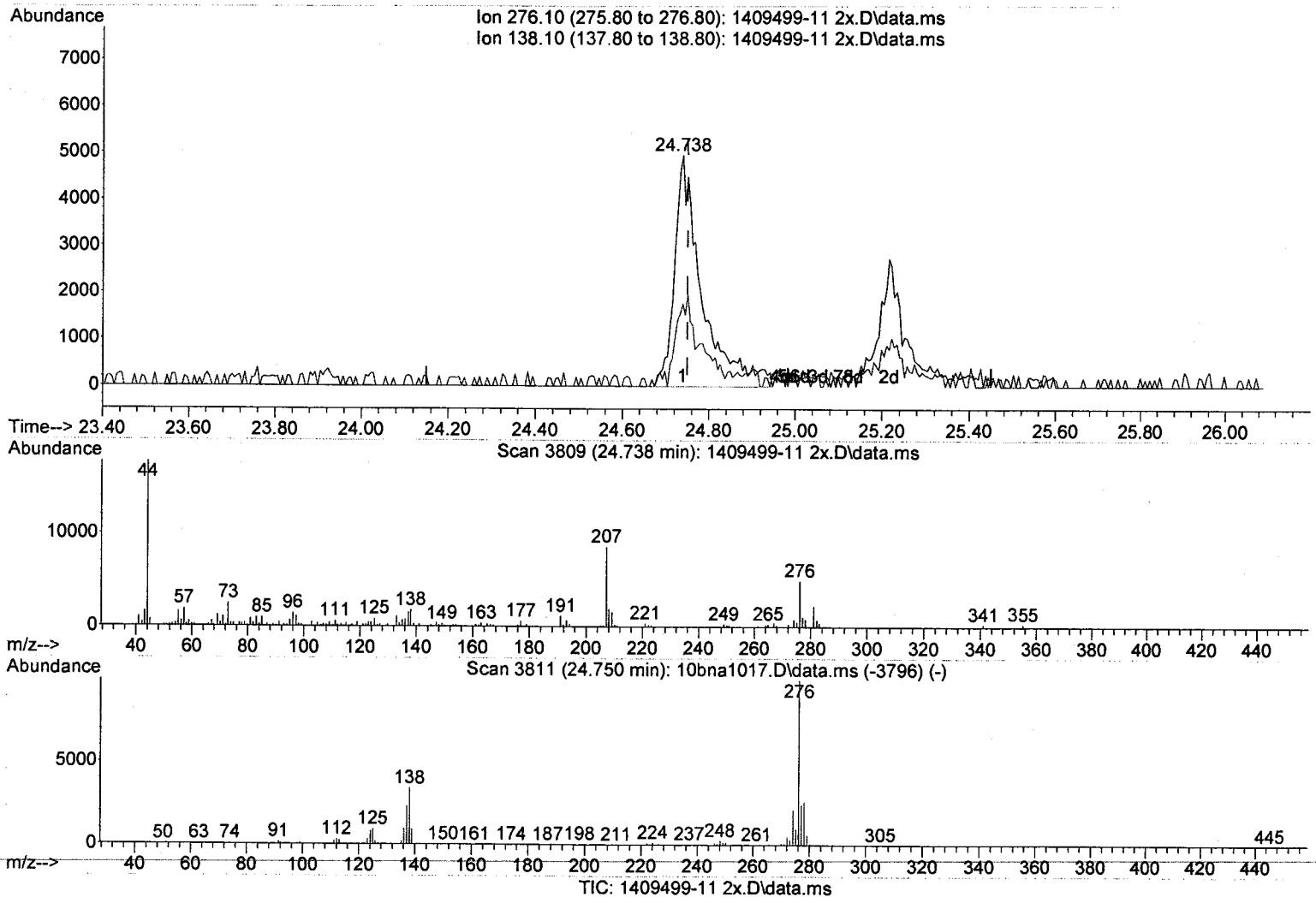
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	27.23#
0.00	0.00	0.00
0.00	0.00	0.00

003211

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



(93) Indeno(1,2,3-cd)pyrene

24.738min (-0.012) 0.18 ng/uL

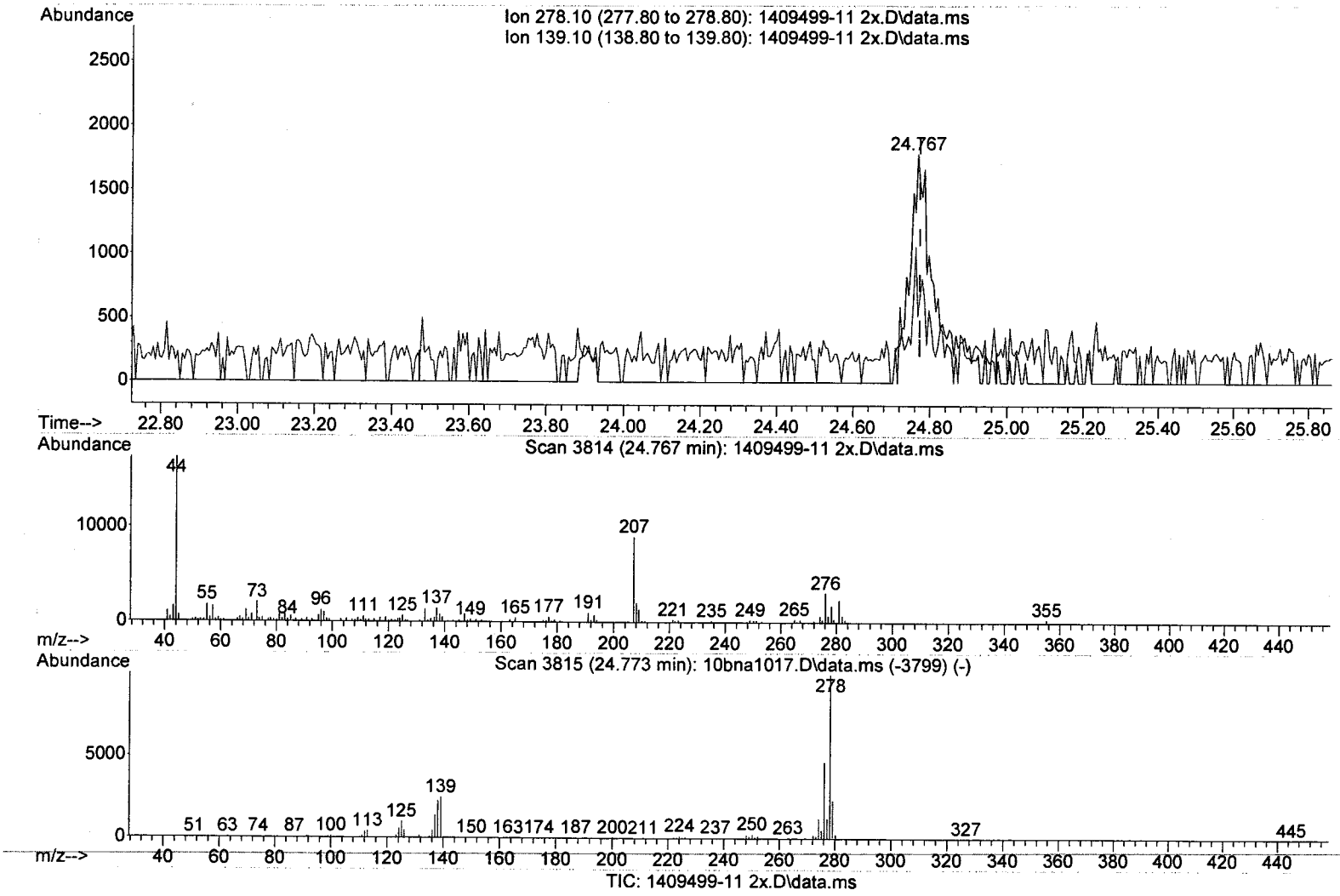
response 21738

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	23.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1409499-11 2x.D\data.ms

(94) Dibdenz(a,h)anthracene

24.767min (-0.006) 0.07 ng/uL

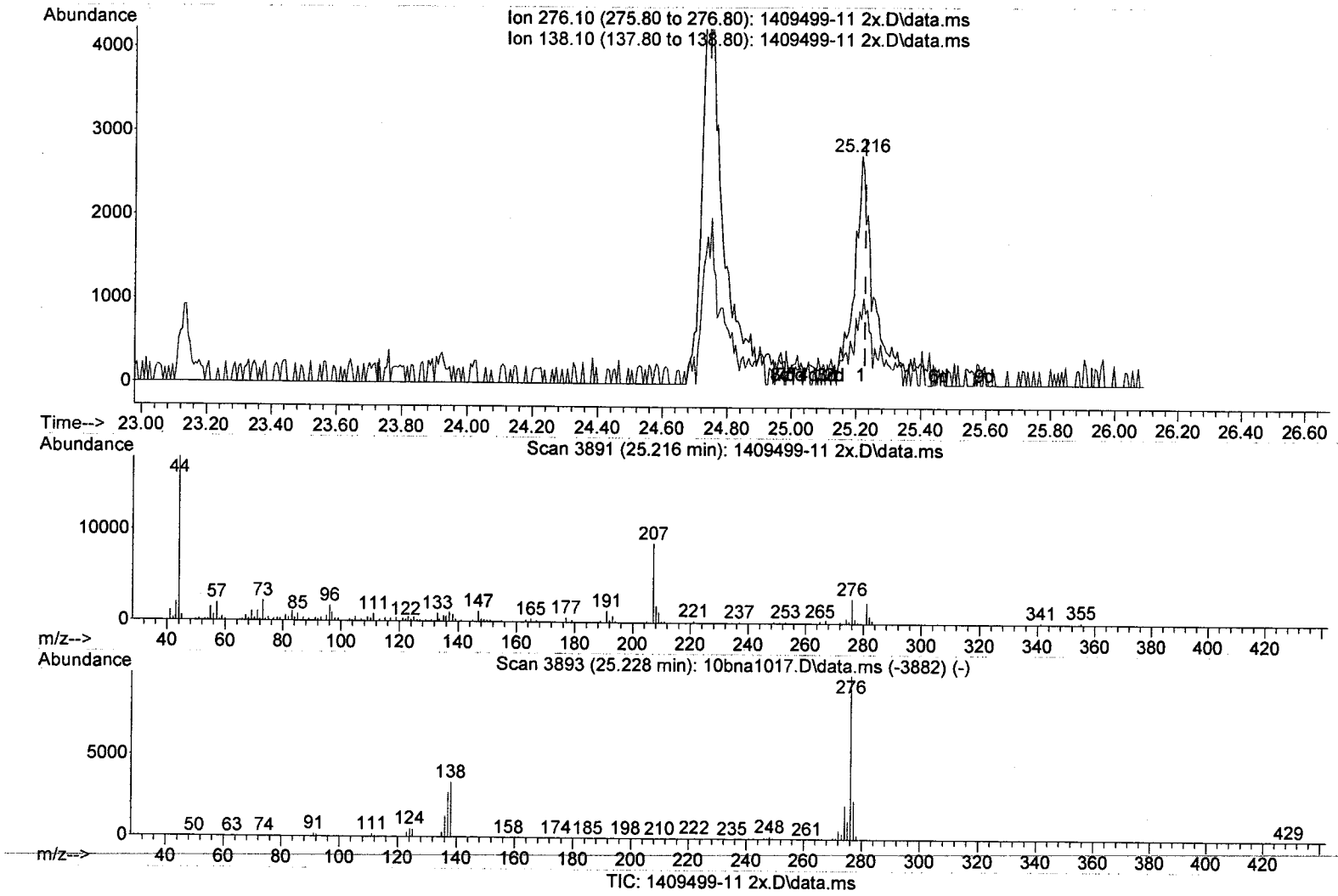
response 7260

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	8.71#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1409499-11 2x.D
Acq On : 17 Oct 2014 10:34
Operator : JLB
Sample : 1409499-11 2x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 11:19:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.216min (-0.012) 0.11 ng/uL

response 11948

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	22.93
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB8-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-01 File ID: 1410014-01.D

Sampled: 09/29/14 09:20 Prepared: 10/02/14 07:41 Analyzed: 10/11/14 00:55

Solids: 95.37 Preparation: 3550C Sonication Extract Initial/Final: 29.8 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	18	4.9	18	18	U
208-96-8	Acenaphthylene	1	18	4.4	18	18	U
120-12-7	Anthracene	1	18	4.2	18	18	U
56-55-3	Benzo(a)anthracene	1	10	2.9	8.7	18	J
50-32-8	Benzo(a)pyrene	1	11	2.4	8.7	18	J
205-99-2	Benzo(b)fluoranthene	1	26	2.0	8.7	18	
207-08-9	Benzo(k)fluoranthene	1	12	2.0	8.7	18	J
191-24-2	Benzo(g,h,i)perylene	1	7.7	2.0	8.7	35	J
65-85-0	Benzoic Acid	1	92	73	180	350	J
100-51-6	Benzyl Alcohol	1	18	4.8	18	18	U
101-55-3	4-Bromophenyl Phenyl Ether	1	18	4.2	18	18	U
85-68-7	Butyl Benzyl Phthalate	1	67	4.2	18	35	
86-74-8	Carbazole	1	18	4.2	18	180	U
59-50-7	4-Chloro-3-methylphenol	1	18	5.2	18	18	U
106-47-8	4-Chloroaniline	1	18	9.3	18	70	U
111-91-1	Bis(2-chloroethoxy)methane	1	18	4.2	18	18	U
111-44-4	Bis(2-chloroethyl) Ether	1	18	4.1	18	18	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.7	3.8	8.7	18	U
91-58-7	2-Chloronaphthalene	1	18	5.1	18	18	U
95-57-8	2-Chlorophenol	1	18	4.1	18	18	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	18	4.0	18	18	U
218-01-9	Chrysene	1	21	4.1	18	18	
53-70-3	Dibenz(a,h)anthracene	1	2.8	2.0	8.7	35	J
132-64-9	Dibenzofuran	1	18	5.1	18	18	U
84-74-2	Di-n-butyl Phthalate	1	35	14	35	70	U
106-46-7	1,4-Dichlorobenzene	1	18	5.1	18	18	U
95-50-1	1,2-Dichlorobenzene	1	18	5.7	18	18	U
541-73-1	1,3-Dichlorobenzene	1	18	5.9	18	18	U
91-94-1	3,3´-Dichlorobenzidine	1	700	290	700	870	U
120-83-2	2,4-Dichlorophenol	1	18	4.3	18	35	U
84-66-2	Diethyl Phthalate	1	18	5.1	18	18	U
105-67-9	2,4-Dimethylphenol	1	140	38	140	180	U
131-11-3	Dimethyl Phthalate	1	18	4.9	18	18	U
534-52-1	4,6-Dinitro-2-methylphenol	1	70	22	70	180	U
51-28-5	2,4-Dinitrophenol	1	180	59	180	180	U
606-20-2	2,6-Dinitrotoluene	1	8.7	4.2	8.7	18	U
121-14-2	2,4-Dinitrotoluene	1	8.7	3.4	8.7	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB8-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-01 File ID: 1410014-01.D

Sampled: 09/29/14 09:20 Prepared: 10/02/14 07:41 Analyzed: 10/11/14 00:55

Solids: 95.37 Preparation: 3550C Sonication Extract Initial/Final: 29.8 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	18	4.1	18	18	U
122-66-7	1,2-Diphenylhydrazine	1	8.7	3.5	8.7	18	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	120	12	18	35	B
206-44-0	Fluoranthene	1	17	4.7	18	18	J
86-73-7	Fluorene	1	18	4.2	18	35	U
118-74-1	Hexachlorobenzene	1	18	5.0	18	18	U
87-68-3	Hexachlorobutadiene	1	18	4.8	18	18	U
67-72-1	Hexachloroethane	1	18	5.3	18	18	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	6.7	2.8	8.7	35	J
78-59-1	Isophorone	1	18	4.0	18	18	U
91-57-6	2-Methylnaphthalene	1	7.7	4.8	18	18	J
108-39-4	3+4-Methylphenol	1	8.7	3.8	8.7	18	U
95-48-7	2-Methylphenol	1	8.7	3.7	8.7	18	U
91-20-3	Naphthalene	1	18	5.9	18	18	U
100-01-6	4-Nitroaniline	1	70	26	70	350	U
88-74-4	2-Nitroaniline	1	8.7	3.8	8.7	18	U
99-09-2	3-Nitroaniline	1	35	17	35	350	U
98-95-3	Nitrobenzene	1	18	4.8	18	18	U
88-75-5	2-Nitrophenol	1	18	4.7	18	18	U
100-02-7	4-Nitrophenol	1	350	110	350	700	U
62-75-9	N-Nitroso-dimethylamine	1	7.0	3.5	7.0	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.7	3.6	8.7	18	U
621-64-7	N-Nitroso-di-n-propylamine	1	18	4.2	18	18	U
87-86-5	Pentachlorophenol	1	18	14	18	180	U
85-01-8	Phenanthrene	1	14	4.3	18	18	J
108-95-2	Phenol	1	30	4.1	18	180	J
129-00-0	Pyrene	1	33	4.5	18	18	
120-82-1	1,2,4-Trichlorobenzene	1	18	4.6	18	18	U
95-95-4	2,4,5-Trichlorophenol	1	18	4.7	18	18	U
88-06-2	2,4,6-Trichlorophenol	1	8.7	2.7	8.7	18	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	704	631	90	33 - 113	
Phenol-d6	704	677	96	30 - 115	
Nitrobenzene-d5	352	354	100	33 - 131	
2-Fluorobiphenyl	352	373	106	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB8-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-01
File ID: 1410014-01.D
Sampled: 09/29/14 09:20
Prepared: 10/02/14 07:41
Analyzed: 10/11/14 00:55
Solids: 95.37
Preparation: 3550C Sonication Extract
Initial/Final: 29.8 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	704	694	99	12 - 124	
o-Terphenyl	352	383	109	20 - 155	

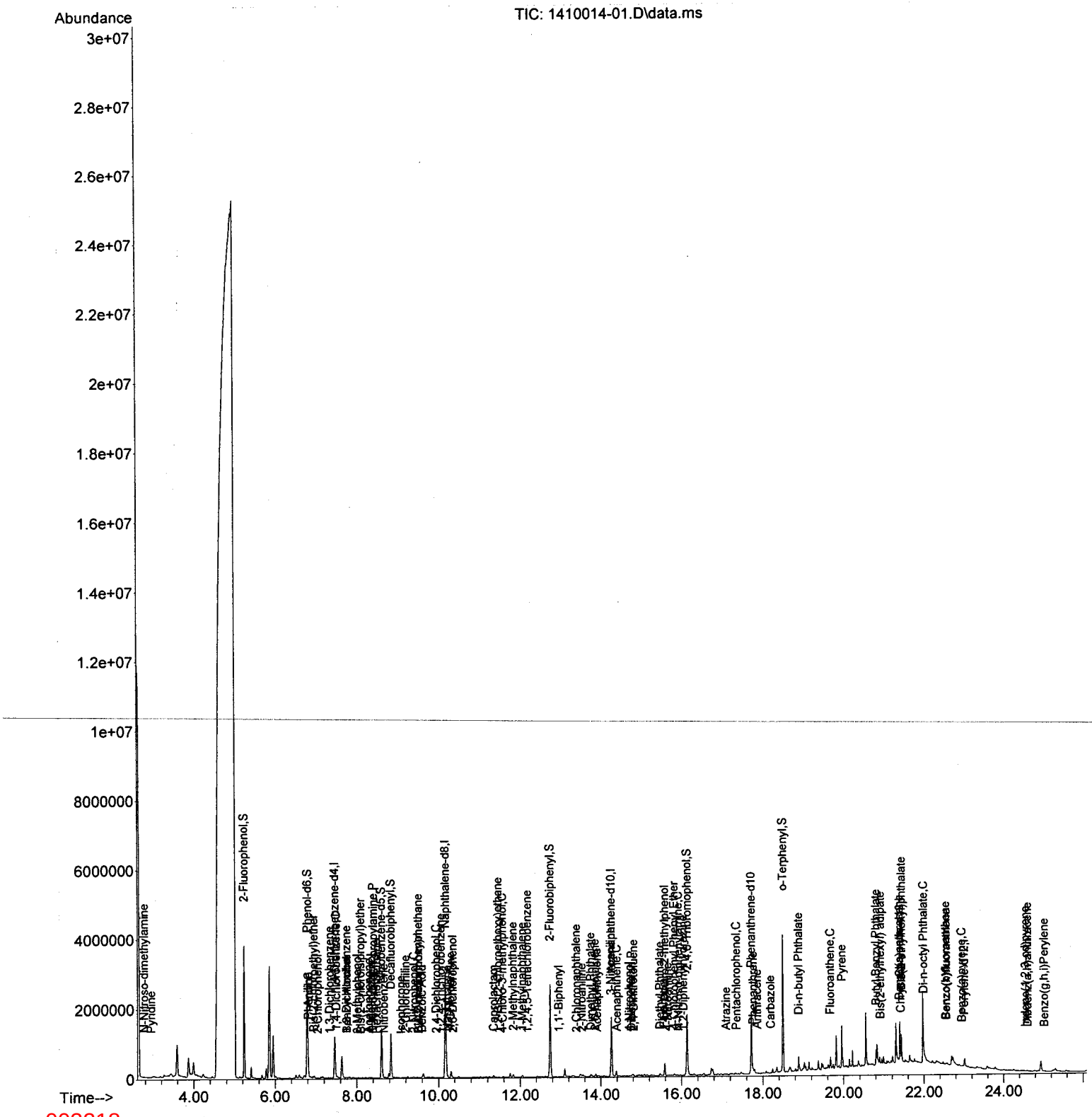
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	383001	7.459	403279	7.614	
Naphthalene-d8	1431424	10.169	1529030	10.359	
Acenaphthene-d10	755988	14.267	866604	14.474	
Phenanthrene-d10	1099947	17.723	1400442	17.901	
Chrysene-d12	503674	21.395	1153654	21.538	*
Perylene-d12	145937	23.015	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:17:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:17:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.459	152	383001	5.00 ng/uL	# 0.03
20) Naphthalene-d8	10.169	136	1431424	5.00 ng/uL	0.00
42) Acenaphthene-d10	14.267	164	755988	5.00 ng/uL	0.00
66) Phenanthrene-d10	17.723	188	1099947	5.00 ng/uL	0.00
81) Chrysene-d12	21.395	240	503674 low	5.00 ng/uL	# 0.00
89) Perylene-d12	23.015	264	145937 low	5.00 ng/uL	# 0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.238	112	1568280	17.92 ng/uL	0.23
6) Phenol-d6	6.794	99	2178310	19.23 ng/uL	0.05
21) Nitrobenzene-d5	8.601	82	919709	10.05 ng/uL	0.00
23) Decafluorobiphenyl	8.834	334	571818	8.91 ng/uL	0.00
47) 2-Fluorobiphenyl	12.745	172	1654800	10.59 ng/uL	0.00
70) 2,4,6-Tribromophenol	16.149	330	329234	19.73 ng/uL	0.00
78) o-Terphenyl	18.504	230	1026090	10.88 ng/uL	0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	2.772	74	8674	RT ~~0.15~~ ng/uL#	17
3) Pyridine	2.947	79	311	0.00 ng/uL	94
5) Aniline	6.812	93	3322	0.26 ng/uL#	1
7) Phenol	6.818	94	108566	0.84 ng/uL#	25
8) Bis(2-chloroethyl)ether	6.952	93	499	0.00 ng/uL#	21
9) 2-Chlorophenol	7.045	128	357	0.00 ng/uL#	67
10) 1,3-Dichlorobenzene	7.336	146	3059	0.03 ng/uL#	1
11) 1,4-Dichlorobenzene	7.494	146	1374	0.01 ng/uL#	1
12) 1,2-Dichlorobenzene	7.756	146	355	0.00 ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.100	45	328	0.00 ng/uL	90
14) Benzyl Alcohol	7.762	108	1617	0.02 ng/uL#	17
15) 2-Methylphenol	8.018	108	176	0.00 ng/uL#	57
16) Acetophenone	8.292	105	8695	0.06 ng/uL#	65
17) Hexachloroethane	8.485	119	3435	0.08 ng/uL#	15
18) 4-Methylphenol	8.356	108	1108	0.01 ng/uL#	83
19) N-Nitroso-di-n-propyla...	8.409	70	1277	0.02 ng/uL	80
~~22) Nitrobenzene~~	~~8.659~~	~~77~~	~~138~~	~~0.00 ng/uL#~~	~~1~~
24) Isophorone	9.085	82	337	0.00 ng/uL	96
25) 2-Chloroaniline	9.196	127	234	0.00 ng/uL#	81
26) 2-Nitrophenol	9.405	139	149	0.00 ng/uL#	1
27) 2,4-Dimethylphenol	9.505	107	420	0.00 ng/uL#	58
28) Bis(2-chlorethoxy)methane	9.510	93	164	0.00 ng/uL	95
29) 2,4-Dichlorophenol	9.942	162	127	0.00 ng/uL#	1
30) Benzoic Acid	9.598	105	12728	2.62 ng/uL	86
31) 1,2,4-Trichlorobenzene	10.058	180	1913	0.02 ng/uL	81
32) Naphthalene	10.216	128	32547	0.11 ng/uL	97
33) 4-Chloroaniline	10.297	127	1130	0.02 ng/uL#	36
34) 2,6-Dichlorophenol	10.356	162	121	0.00 ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.	
36) Caprolactam	11.346	55	19787	0.48 ng/uL#	57
37) 1,2-Bis(2-chloroethoxy...	11.457	63	328	0.00 ng/uL#	100
38) 4-Chloro-3-methylphenol	11.568	107	2071	0.03 ng/uL#	49
39) 2-Methylnaphthalene	11.824	142	40460	0.22 ng/uL	97
40) 1-Methylnaphthalene	12.052	142	31467	0.19 ng/uL	97
41) 1,3 Dinitrobenzene	13.853	168	113	Below Cal	100

003219

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:17:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.180	216	120	0.00	ng/uL#	60
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.398	162	222	0.00	ng/uL	91
49) 1,1'-Biphenyl	12.955	154	8139	0.04	ng/uL	99
50) 2-Nitroaniline	13.532	138	128	0.00	ng/uL#	1
51) Acenaphthylene	13.917	152	2541	0.01	ng/uL#	75
52) 2,6-Dinitrotoluene	13.864	165	537	0.01	ng/uL#	44
53) Dimethyl Phthalate	13.759	163	17561	0.11	ng/uL#	77
54) 3-Nitroaniline	14.255	138	130	0.00	ng/uL#	1
55) Acenaphthene	14.401	153	253	0.00	ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.762	168	11808	0.06	ng/uL	90
58) 4-Nitrophenol	14.710	65	1185	0.04	ng/uL#	18
59) 2,4-Dinitrotoluene	14.814	165	1565	0.03	ng/uL#	63
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.572	166	3540	0.02	ng/uL#	16
63) Diethyl Phthalate	15.467	149	15601m	0.10	ng/uL	
64) 4-Chlorophenyl Phenyl ...	15.829	204	1672	0.02	ng/uL#	29
65) 4-Nitroaniline	15.665	138	142	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.595	198	120	~~0.99~~	ng/uL#	1
68) N-Nitroso-diphenylamine	15.934	169	3404	0.03	ng/uL#	45
69) 1,2-Diphenylhydrazine	16.056	182	3395	0.08	ng/uL#	27
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.099	200	123	0.00	ng/uL	87
74) Pentachlorophenol	17.356	266	643	0.03	ng/uL#	1
75) Phenanthrene	17.764	178	83641	0.39	ng/uL	100
76) Anthracene	17.863	178	4377	0.02	ng/uL#	87
77) Carbazole	18.195	167	3322	0.02	ng/uL#	53
79) Di-n-butyl Phthalate	18.889	149	31860	0.15	ng/uL	95
80) Fluoroanthene	19.670	202	95141	0.47	ng/uL	96
82) Pyrene	19.961	202	112182	0.94	ng/uL#	81
83) Butyl Benzyl Phthalate	20.806	149	90118	1.91	ng/uL	97
84) Bis(2-ethylhexyl) adipate	20.911	129	1891	0.11	ng/uL#	100
85) Benzo(a)anthracene	21.383	228	26354	0.29	ng/uL#	81
86) Chrysene	21.418	228	53476	0.60	ng/uL#	11
87) Bis(2-ethylhexyl)phtha...	21.436	149	208697	3.45	ng/uL	93
88) Di-n-octyl Phthalate	21.990	149	114046	~~1.37~~	ng/uL#	77
90) Benzo(b)fluoroanthene	22.549	252	19881m	0.75	ng/uL	
91) Benzo(k)fluoranthene	22.567	252	10572m	0.35	ng/uL	
92) Benzo(a)pyrene	22.945	252	7807	0.31	ng/uL#	87
93) Indeno(1,2,3-cd)pyrene	24.554	276	4138	0.19	ng/uL	96
94) Dibdenz(a,h)anthracene	24.607	278	1485	0.08	ng/uL#	75
95) Benzo(g,h,i)Perylene	25.026	276	4110	0.22	ng/uL#	63

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 08:52:11 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

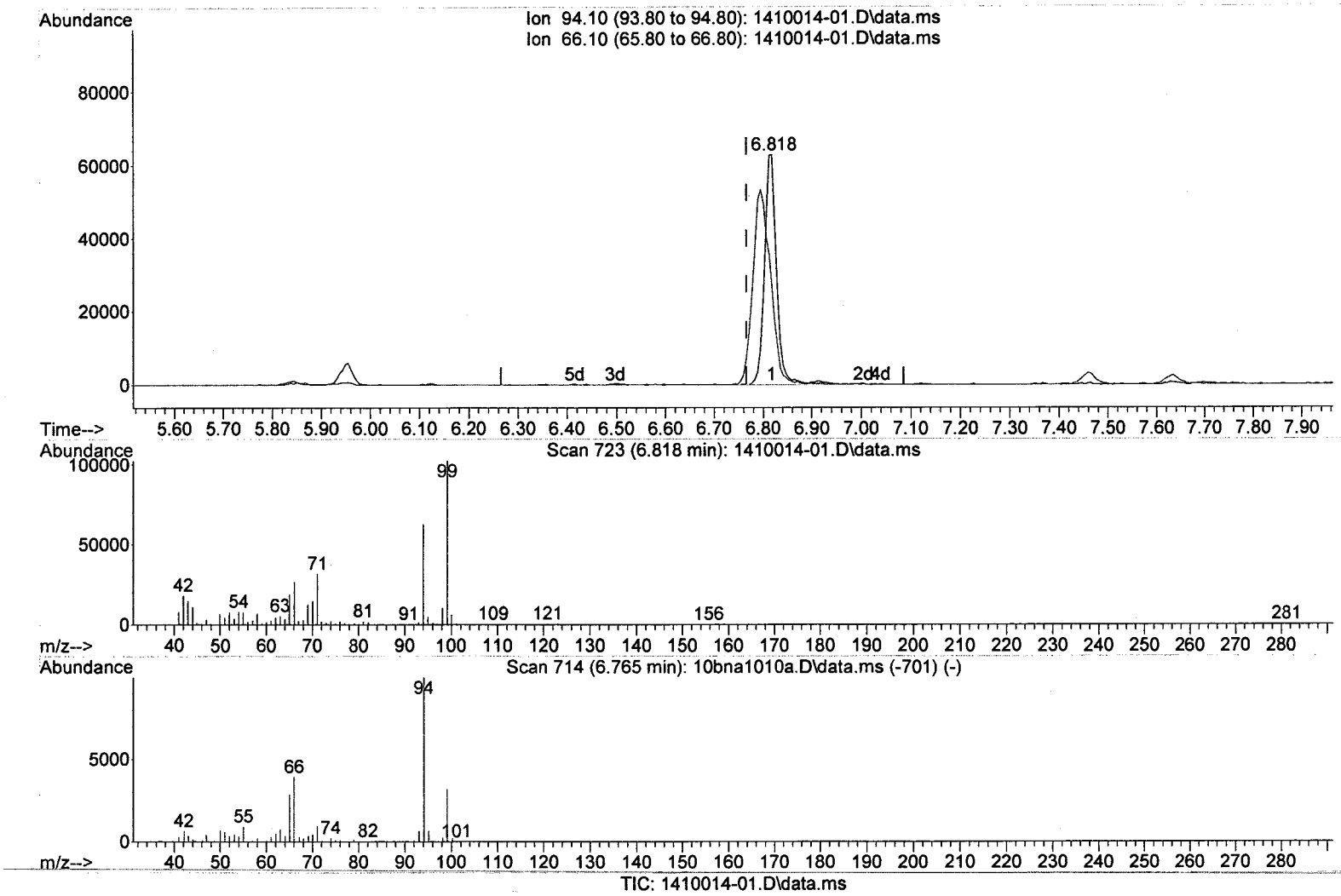
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.459	152	373837	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.169	136	1431424	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.267	164	755230	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.723	188	1099947	5.00	ng/uL		0.00
19) Chrysene-d12	21.395	240	503674	5.00	ng/uL	#	0.00
22) Perylene-d12	23.015	264	145937	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.924	74	2510	0.04	ng/uL	#	42
3) Pyridine	2.947	79	311	0.00	ng/uL		94
4) Aniline	6.812	93	3322	0.02	ng/uL	#	1
5) Benzaldehyde	6.573	105	12186	0.15	ng/uL	#	83
6) Acetophenone	8.292	105	8695	0.06	ng/uL	#	65
7) N-Nitroso-di-n-propyla...	8.321	70	1190	0.02	ng/uL	#	1
9) 4-Chloroaniline	10.373	127	507	0.01	ng/uL		95
10) Caprolactam	11.166	55	3998	0.18	ng/uL	#	32
12) 1,1'-Biphenyl	12.955	154	8139	0.04	ng/uL		99
13) 2-Nitroaniline	13.532	138	128	0.01	ng/uL	#	1
14) 3-Nitroaniline	14.255	138	130	Below Cal		#	1
15) 4-Nitroaniline	15.665	138	142	Below Cal		#	1
17) N-Nitroso-diphenylamine	15.934	169	3404	0.03	ng/uL	#	45
18) Atrazine	17.525	200	122	Below Cal			99
20) Benzidine	19.955	184	6945	0.51	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.389	252	264	0.01	ng/uL		84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(7) Phenol (C)

6.818min (+ 0.052) 0.84 ng/uL

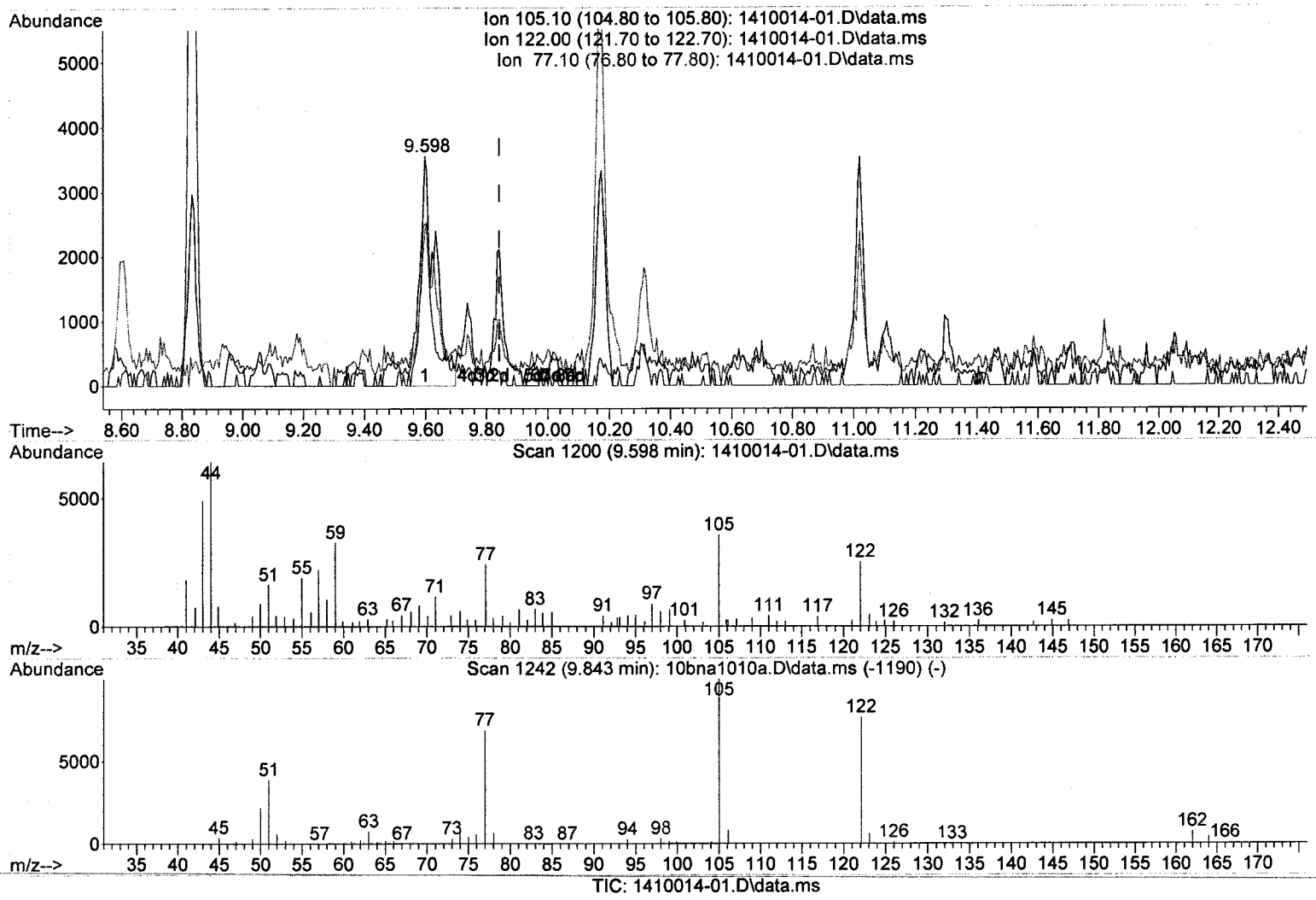
response 108566

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	123.95#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(30) Benzoic Acid

9.598min (-0.245) 2.62 ng/uL

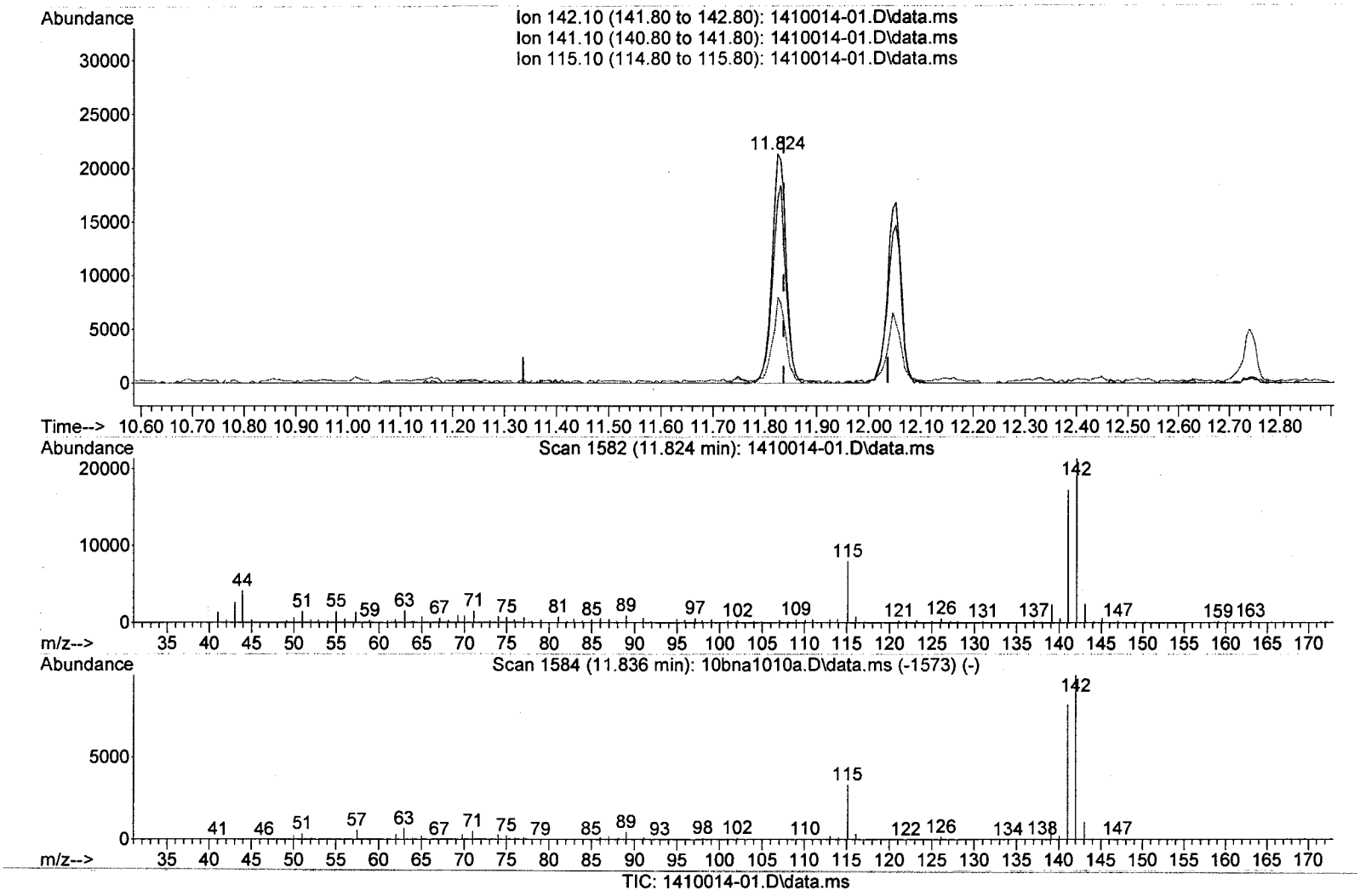
response 12728

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	66.45
77.10	74.70	64.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(39) 2-Methylnaphthalene

11.824min (-0.012) 0.22 ng/uL

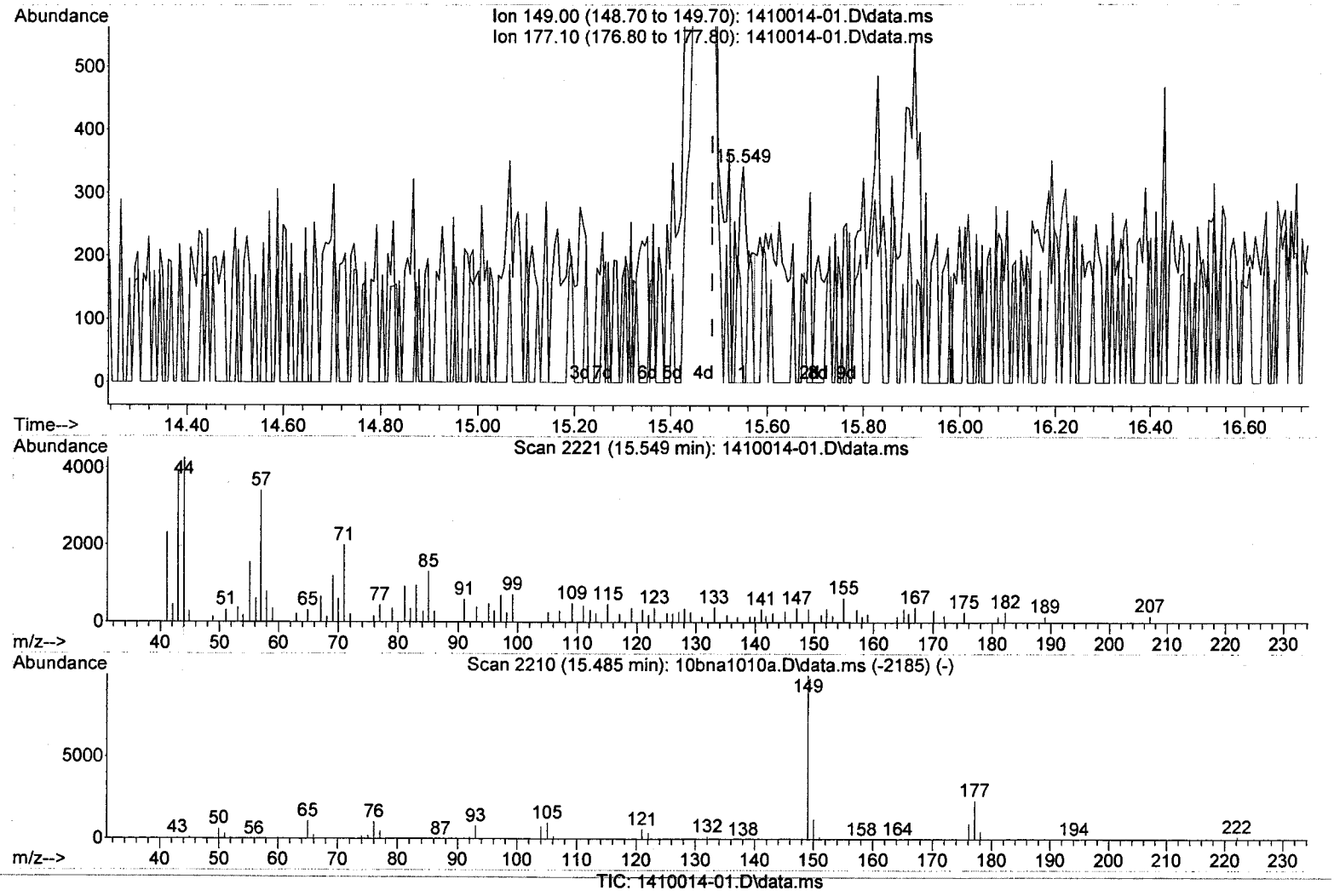
response 40460

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	81.93
115.10	33.50	35.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(63) Diethyl Phthalate

15.549min (+ 0.064) 0.00 ng/uL

response 658

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	19.30
0.00	0.00	0.00
0.00	0.00	0.00

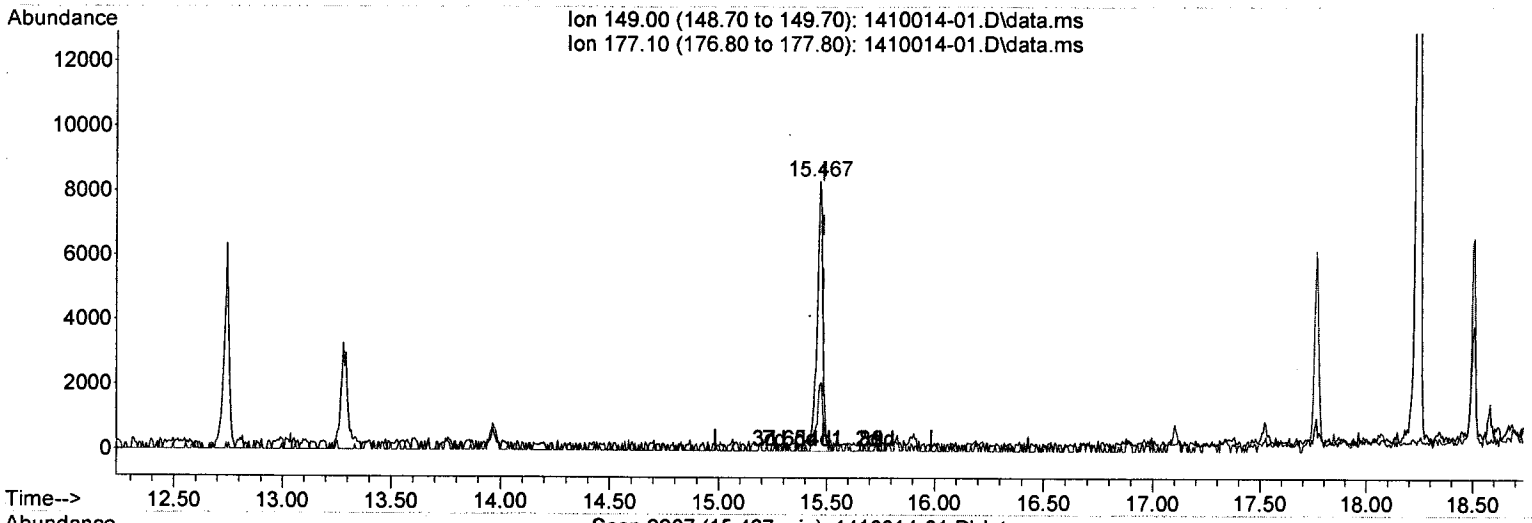
JLB 10/15/14

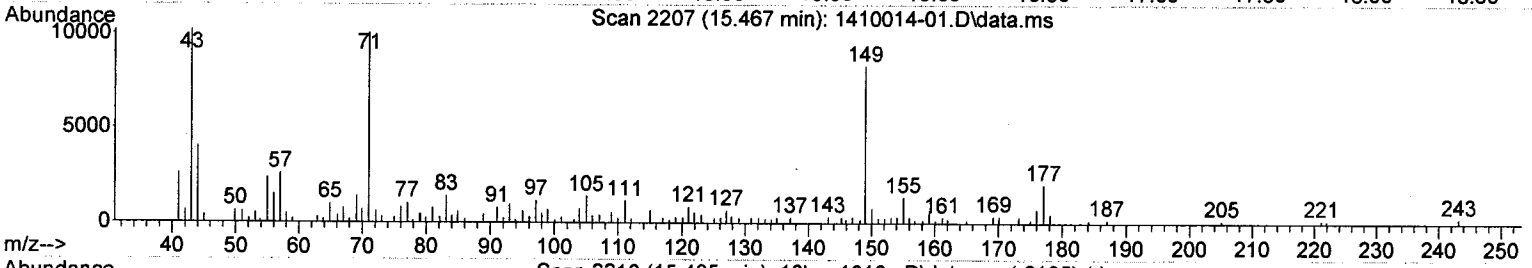
003225

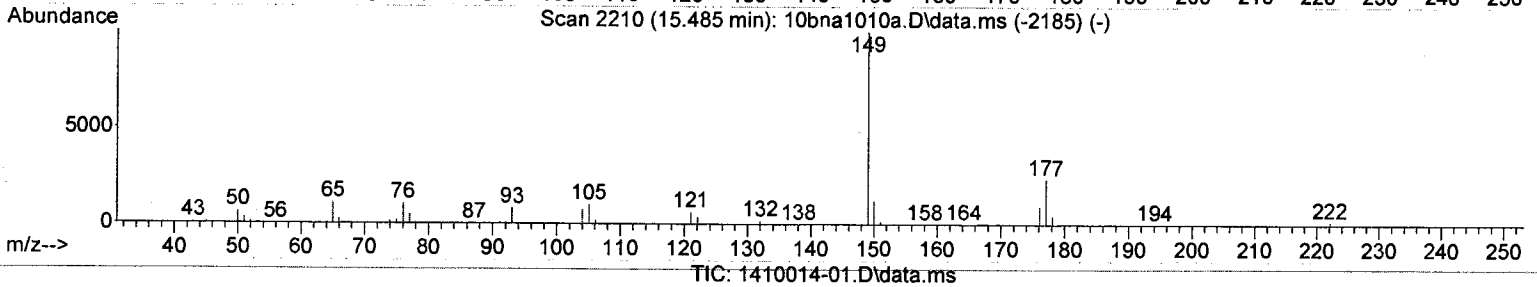
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-01.D\data.ms

(63) Diethyl Phthalate

15.467min (-0.018) 0.10 ng/uL m

response 15601

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	0.81#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: ASC Date: 10/21/14

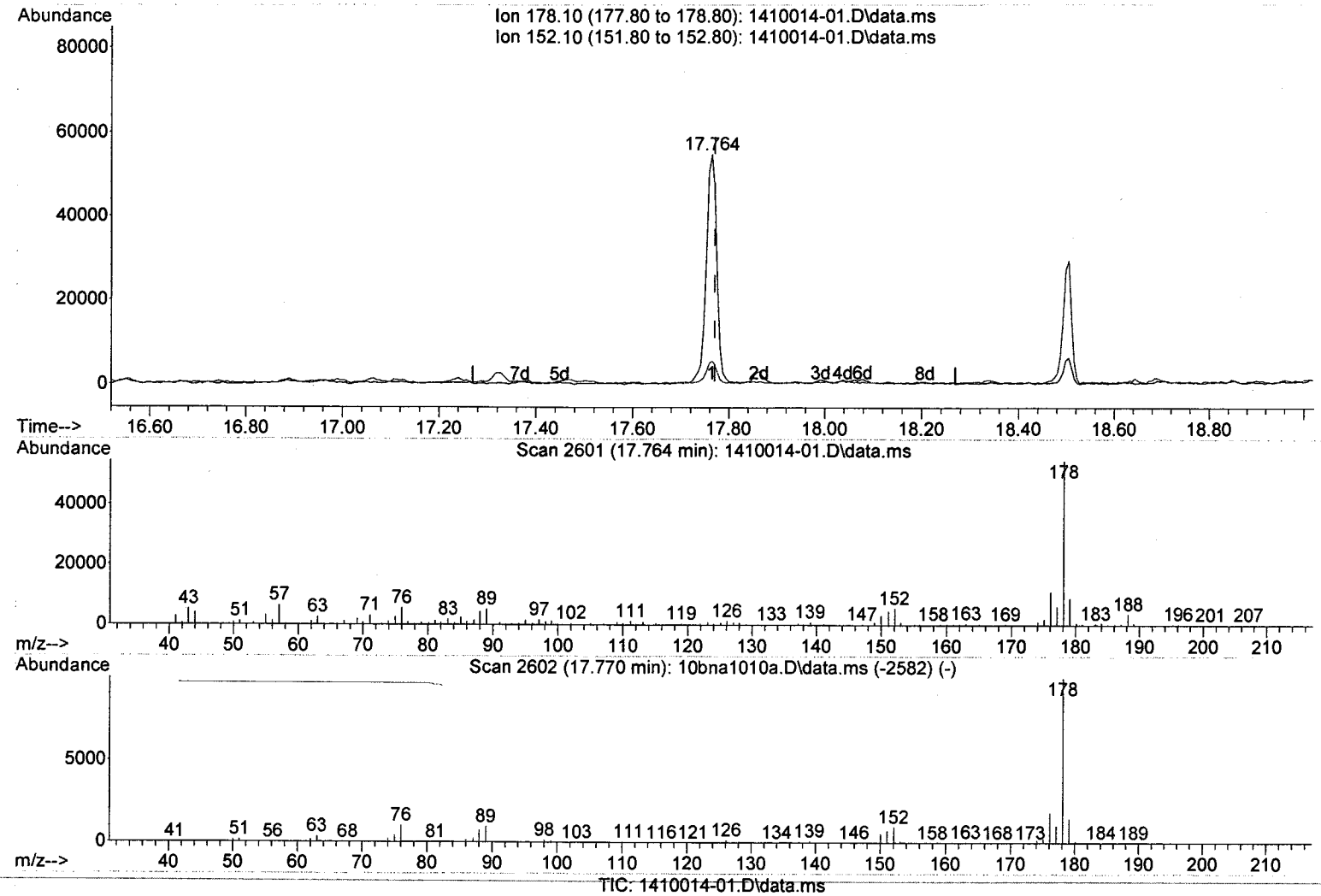
< MDL

003228

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(75) Phenanthrene

17.764min (-0.006) 0.39 ng/uL

response 83641

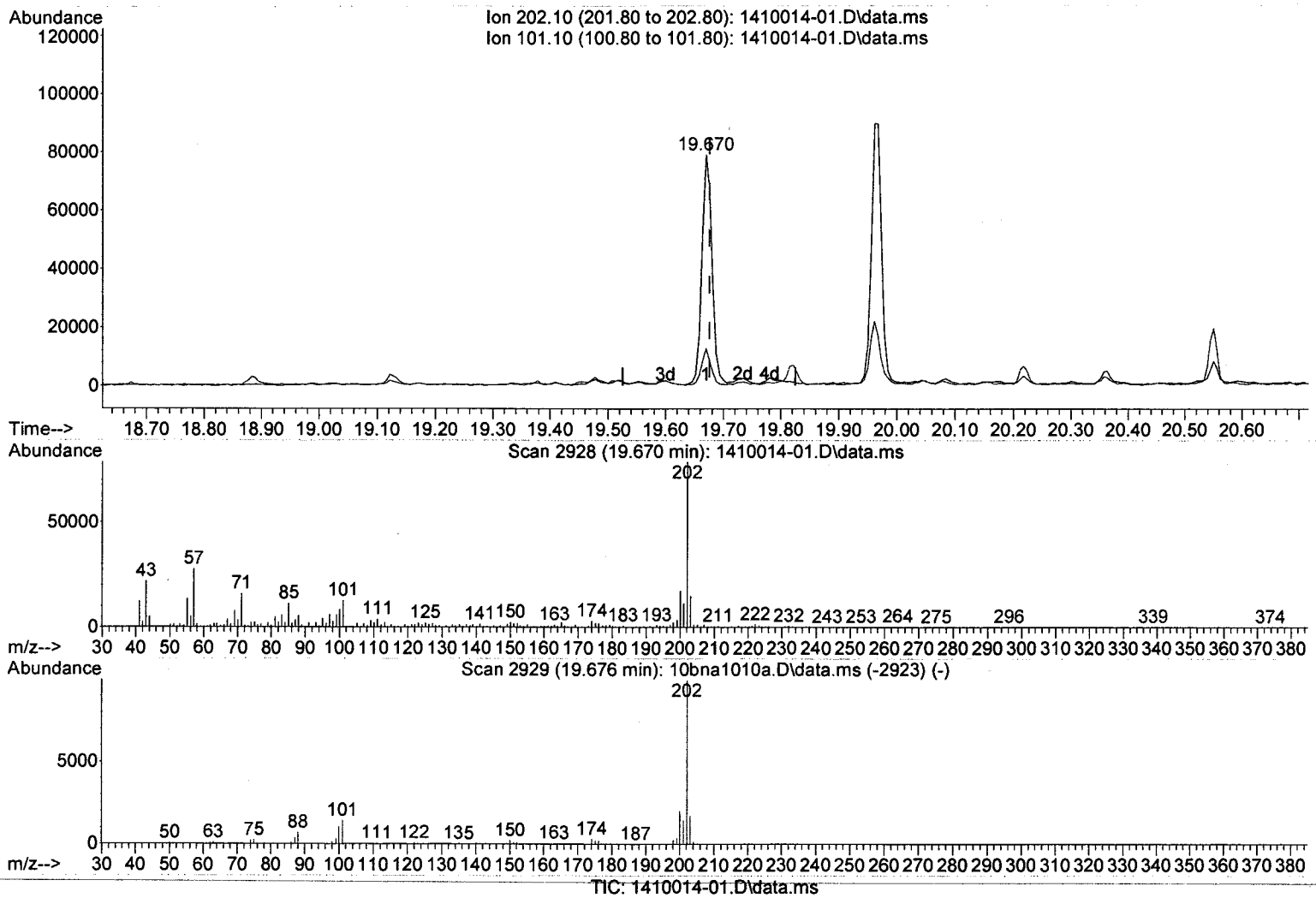
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	9.92
0.00	0.00	0.00
0.00	0.00	0.00

003227

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(80) Fluoroanthene (C)

19.670min (-0.006) 0.47 ng/uL

response 95141

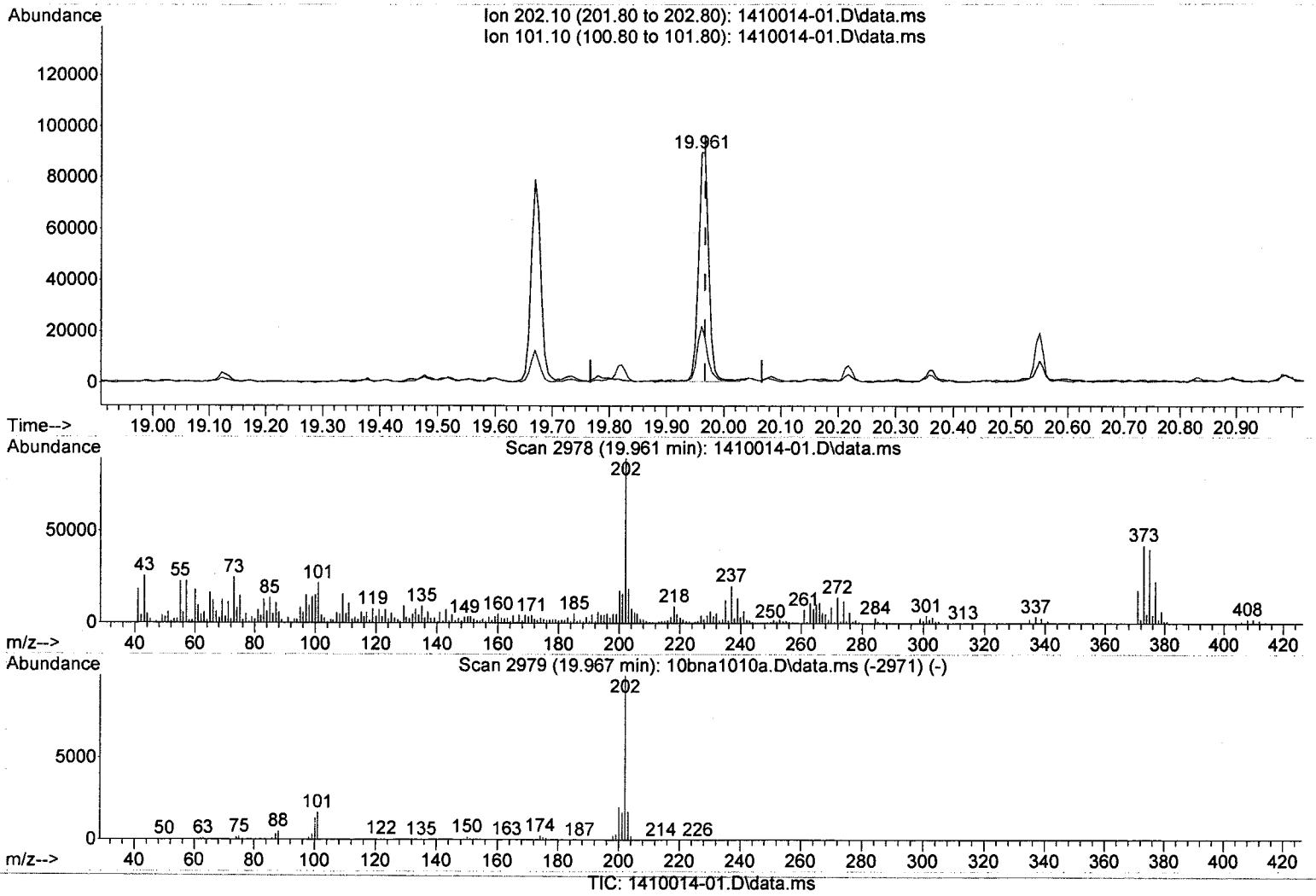
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	14.47
0.00	0.00	0.00
0.00	0.00	0.00

003228

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(82) Pyrene

19.961min (-0.006) 0.94 ng/uL

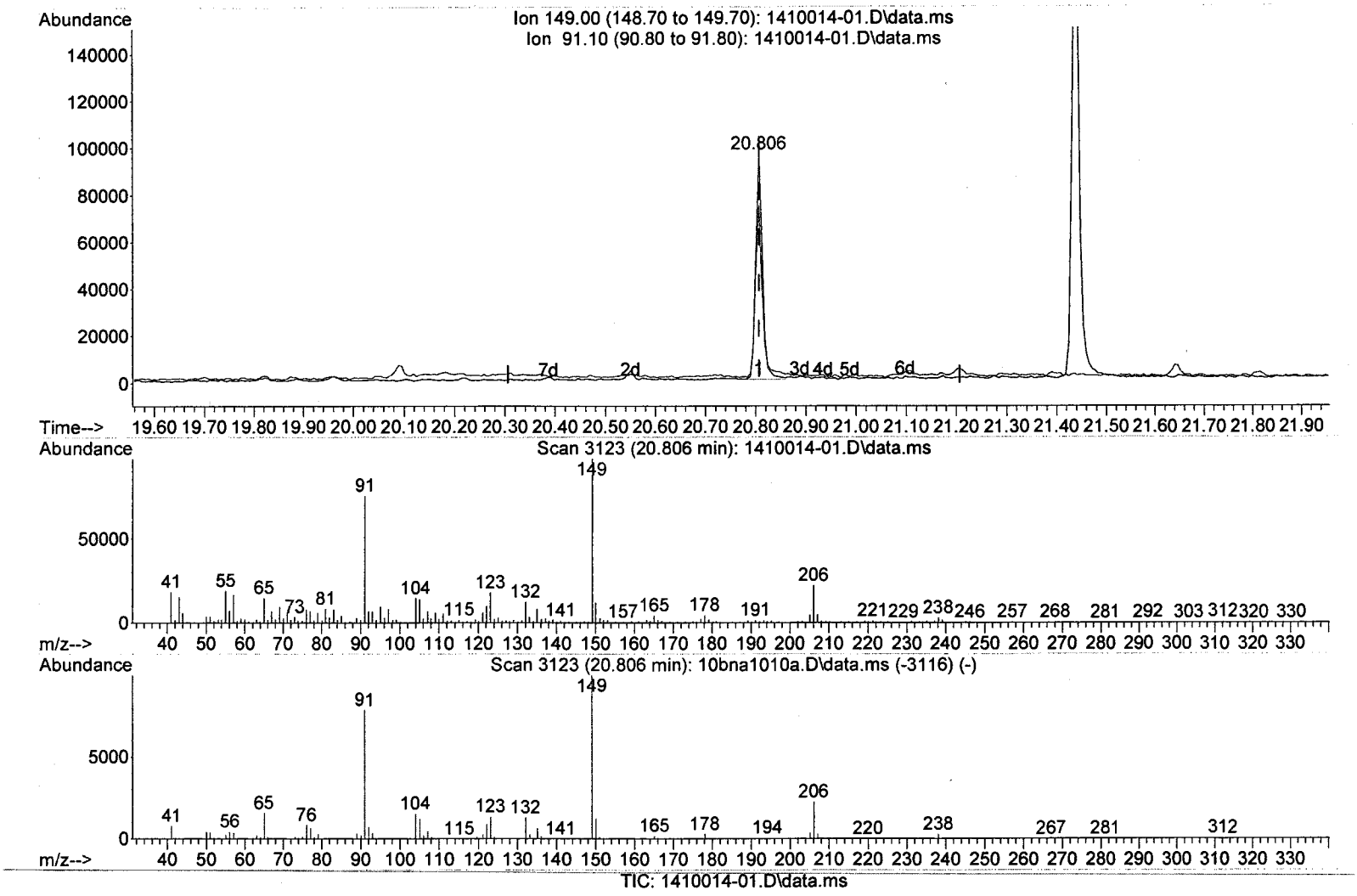
response 112182

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	24.27#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(83) Butyl Benzyl Phthalate

20.806min (-0.000) 1.91 ng/uL

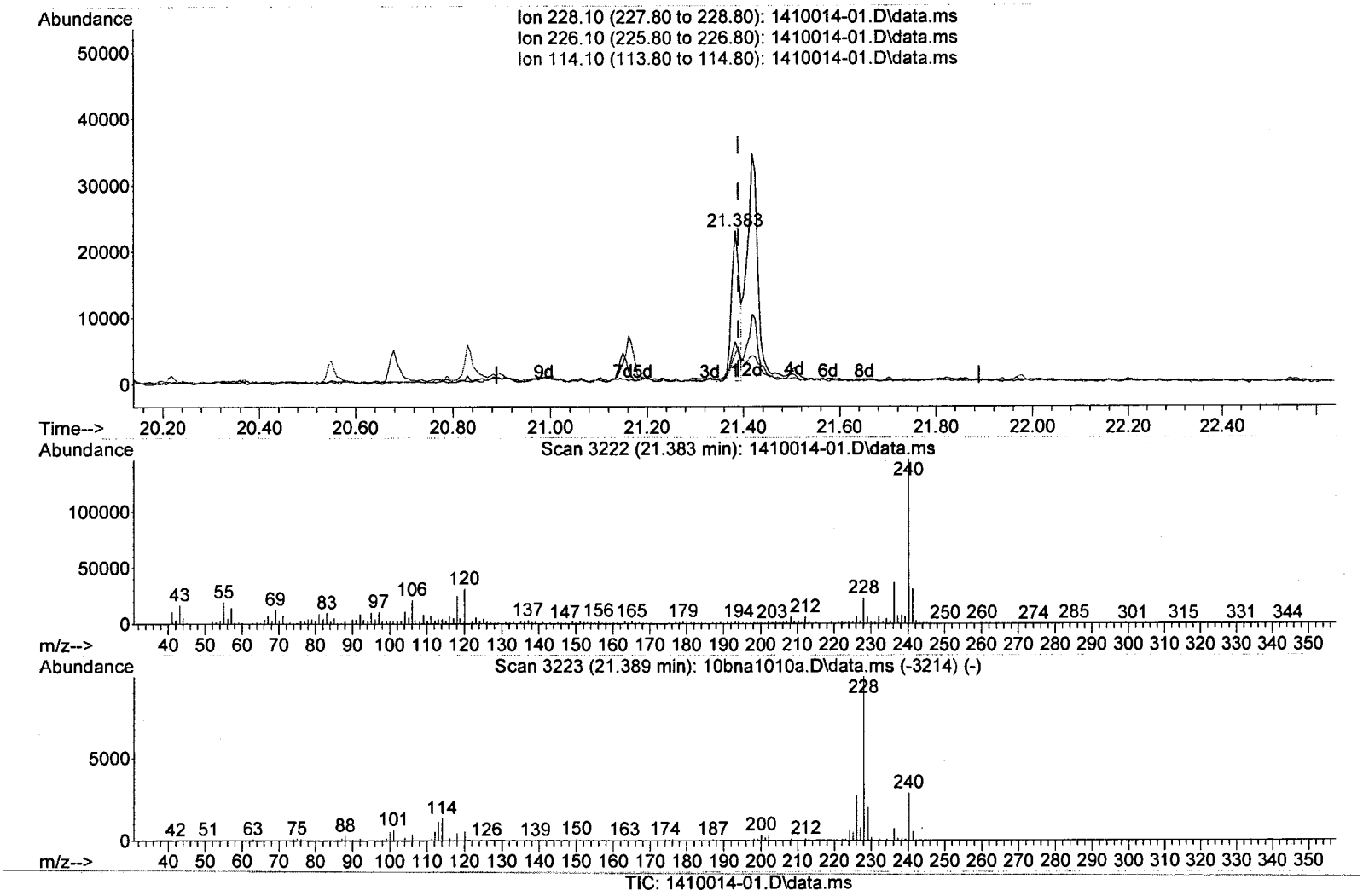
response 90118

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	81.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(85) Benzo(a)anthracene

21.383min (-0.006) 0.29 ng/uL

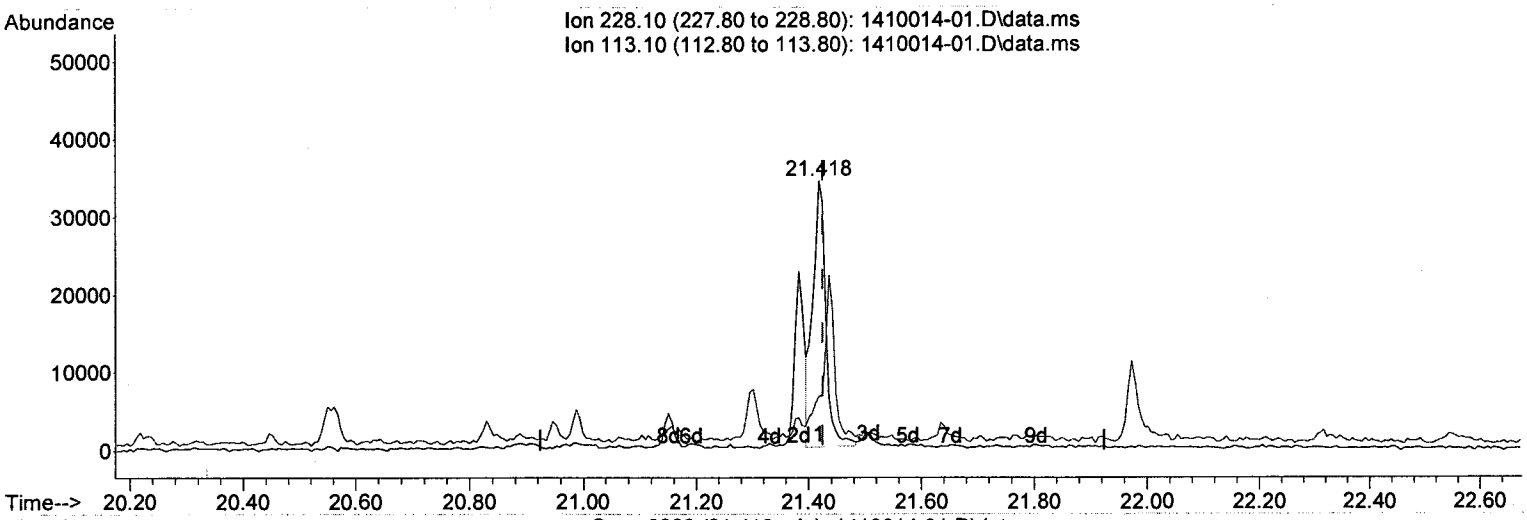
response 26354

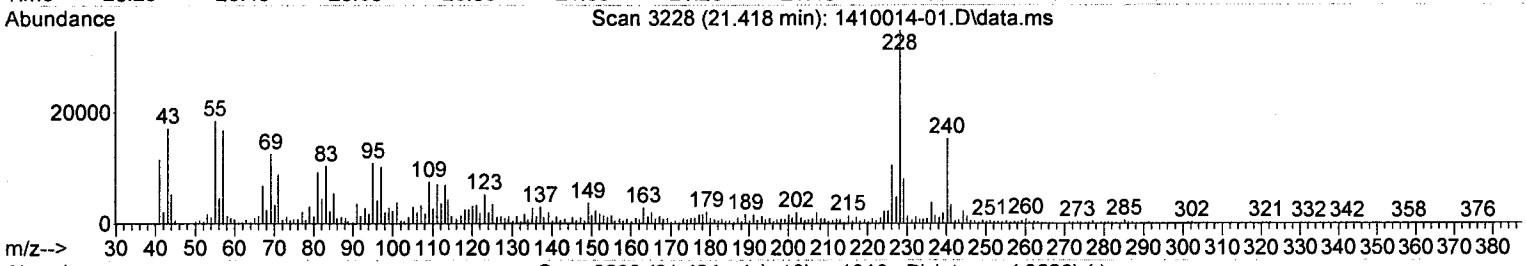
Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	27.76
114.10	13.30	32.96#
0.00	0.00	0.00

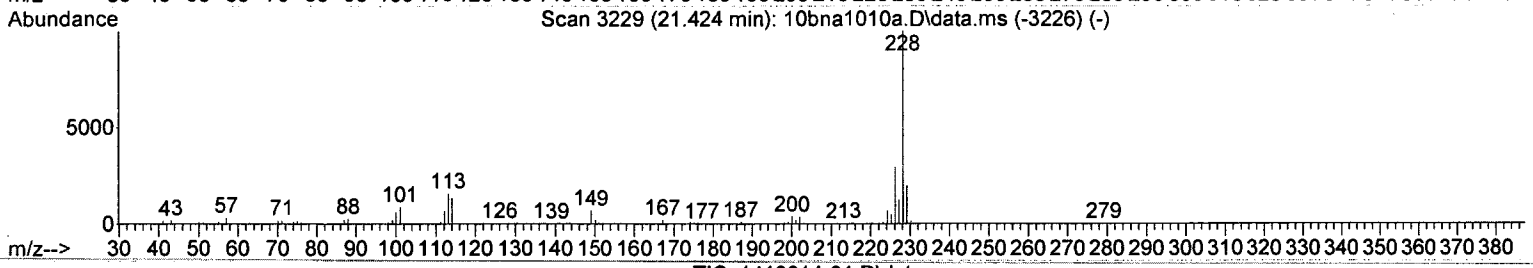
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-01.D\data.ms

(86) Chrysene

21.418min (-0.006) 0.60 ng/uL

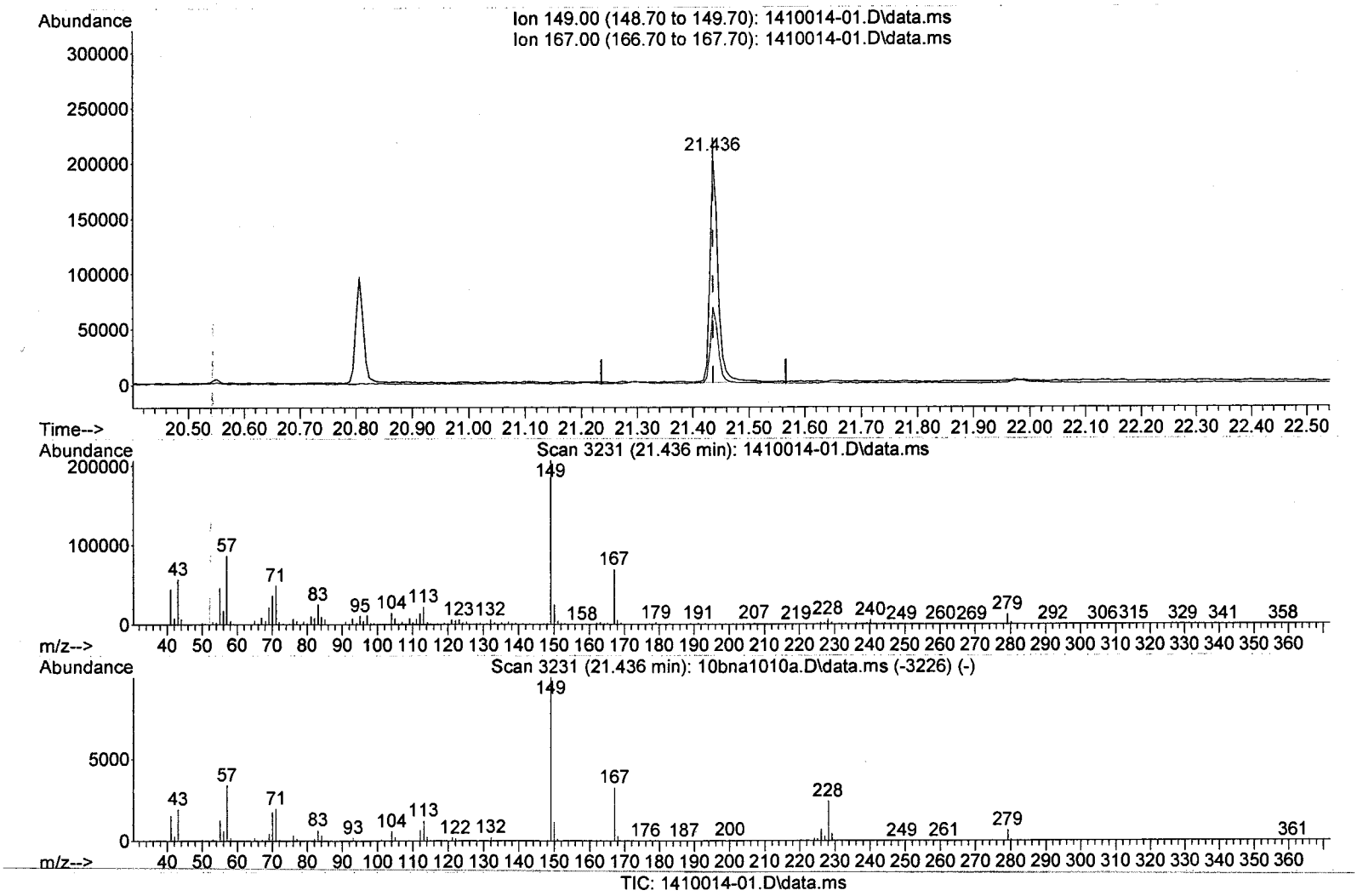
response 53476

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	53.58#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.436min (-0.000) 3.45 ng/uL

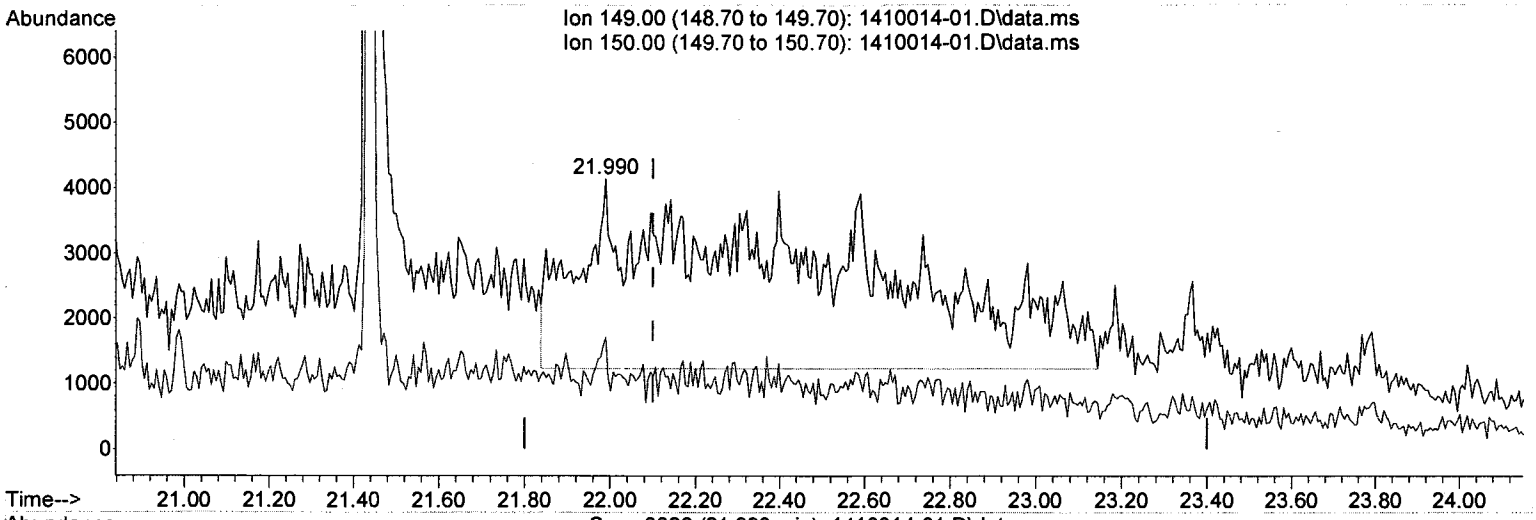
response 208697

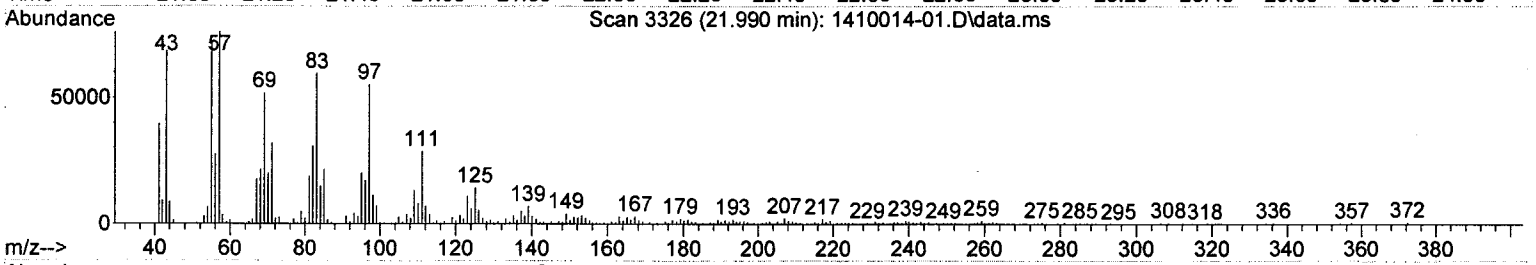
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	32.81
0.00	0.00	0.00
0.00	0.00	0.00

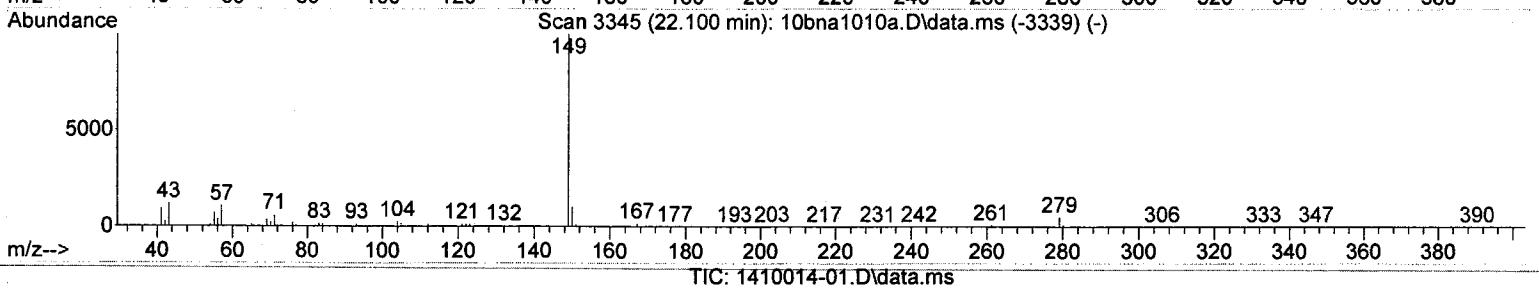
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-01.D\data.ms

(88) Di-n-octyl Phthalate (C)

21.990min (-0.111) 1.37 ng/uL

response 114046

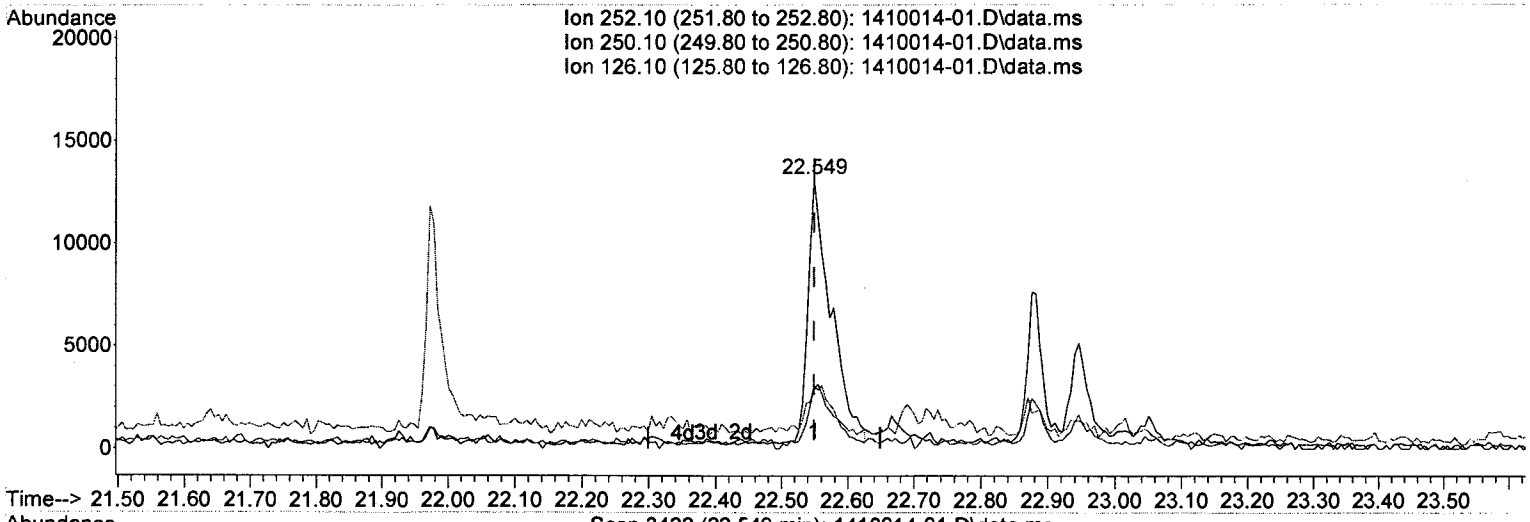
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.03#
0.00	0.00	0.00
0.00	0.00	0.00

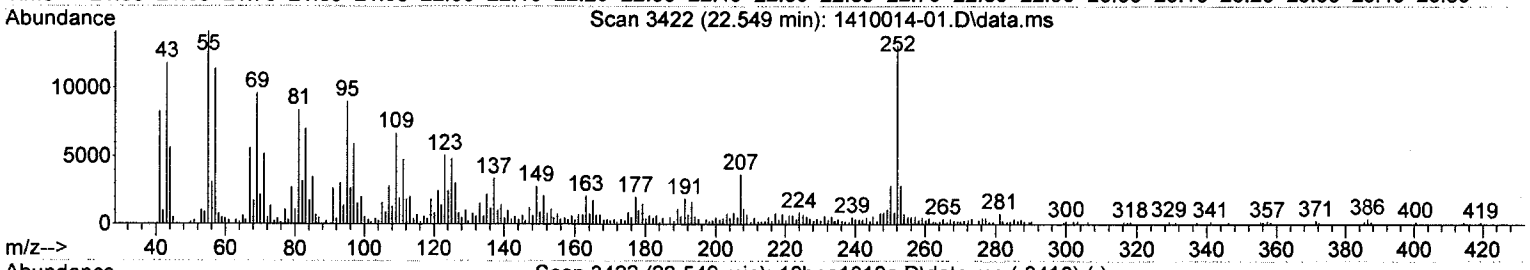
pp

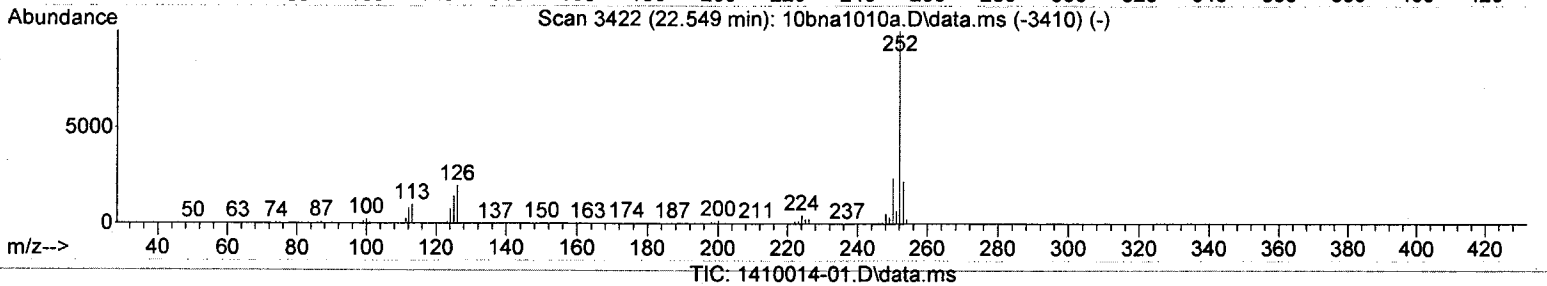
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-01.D\data.ms

(90) Benzo(b)fluoroanthene

22.549min (-0.000) 1.17 ng/uL

response 30889

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	28.76#
126.10	17.20	21.28#
0.00	0.00	0.00

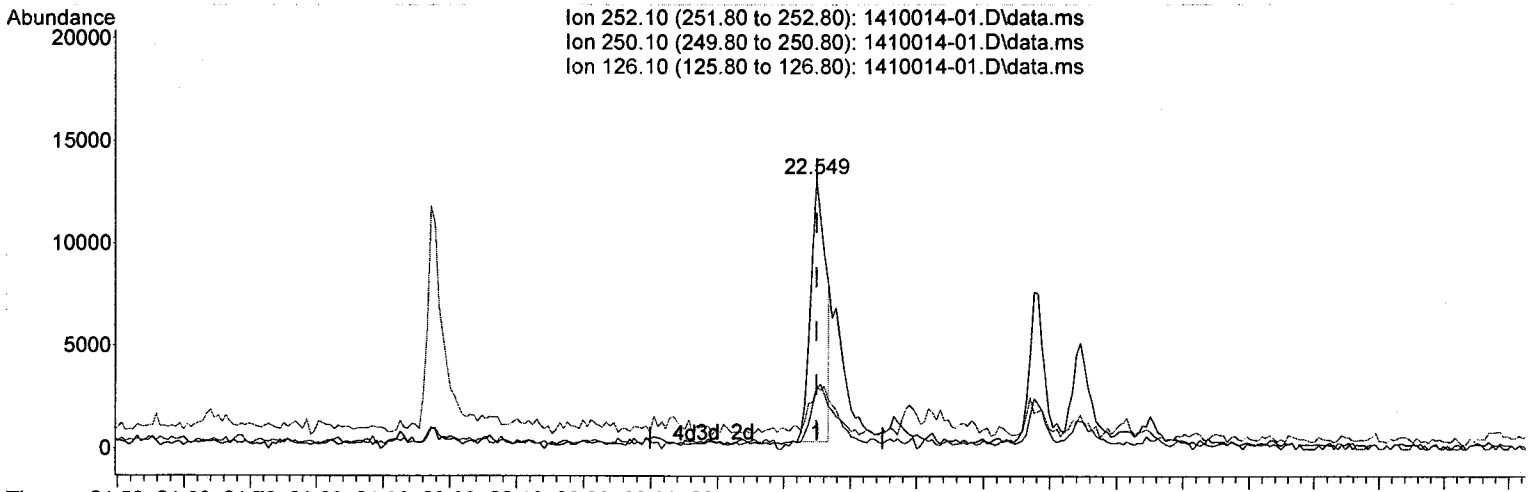
JLB 10/15/14

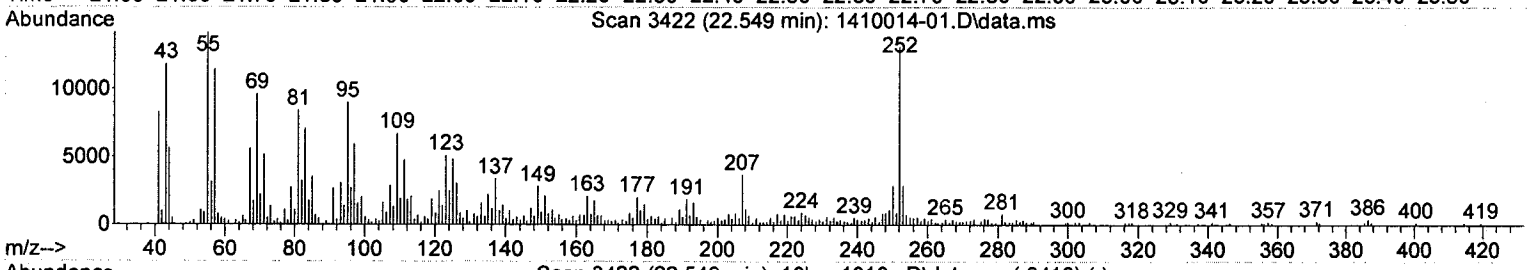
003235

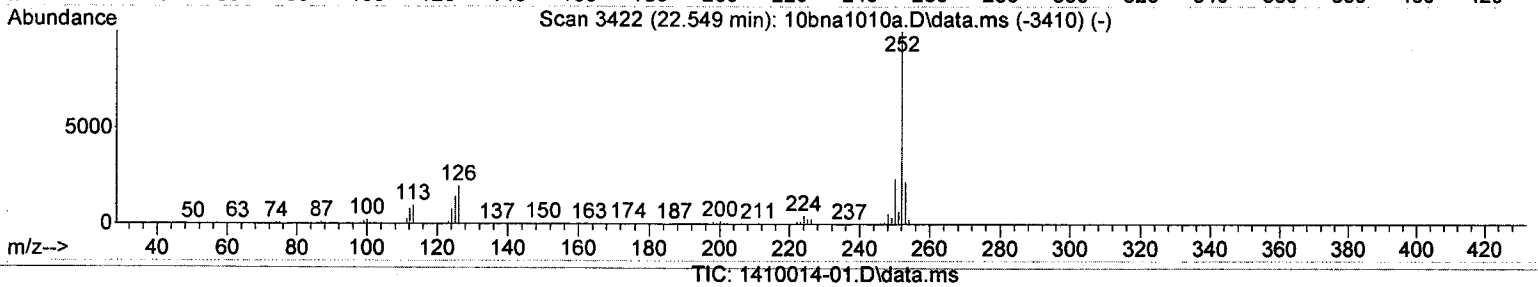
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-01.D\data.ms

(90) Benzo(b)fluoroanthene

22.549min (-0.000) 0.75 ng/uL m

response 19881

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	44.69#
126.10	17.20	33.06#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

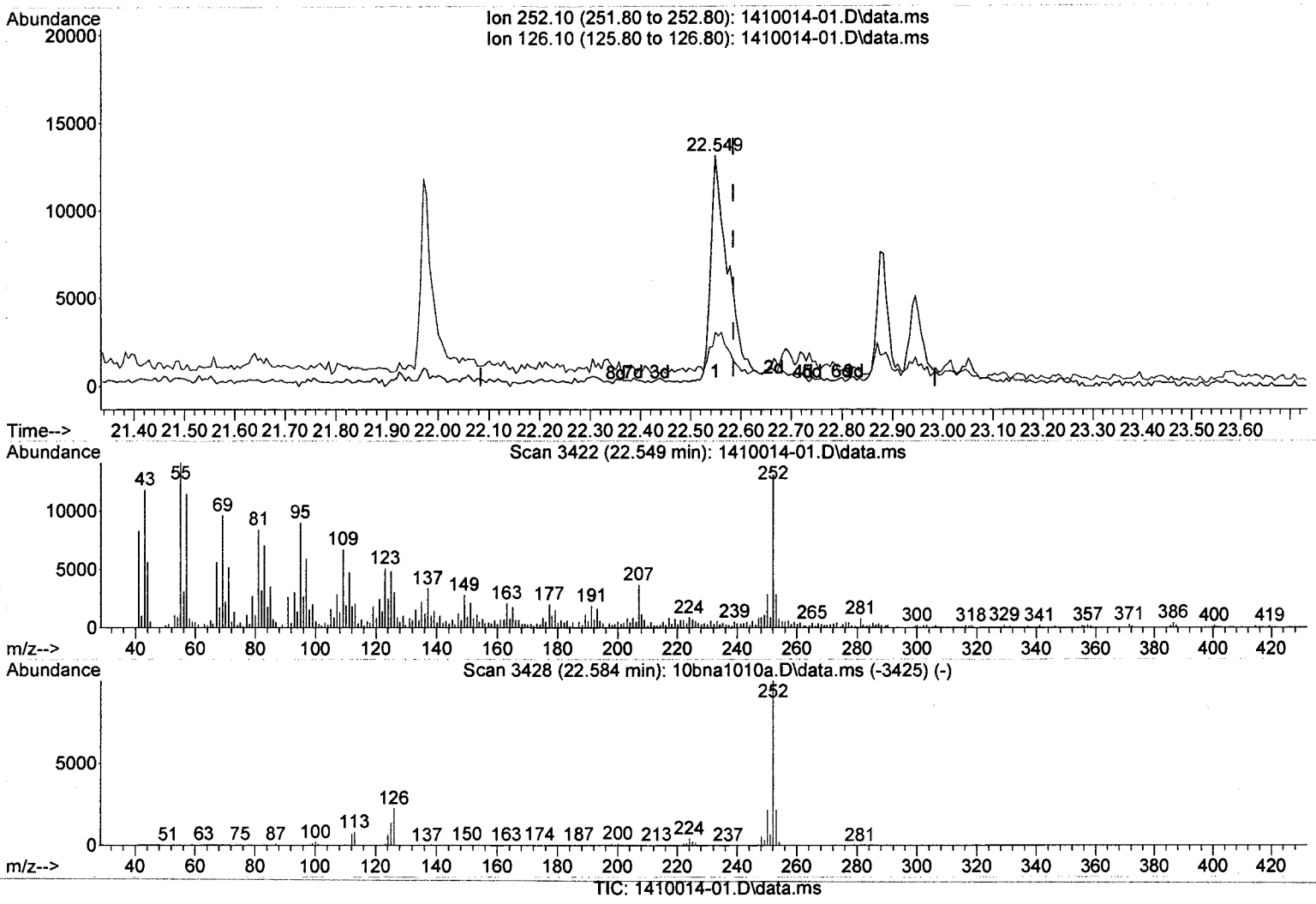
Reviewed By: ASC Date: 10/21/14

003236

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(91) Benzo(k)fluoranthene

22.549min (-0.035) 1.05 ng/uL

response 31430

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	20.91
0.00	0.00	0.00
0.00	0.00	0.00

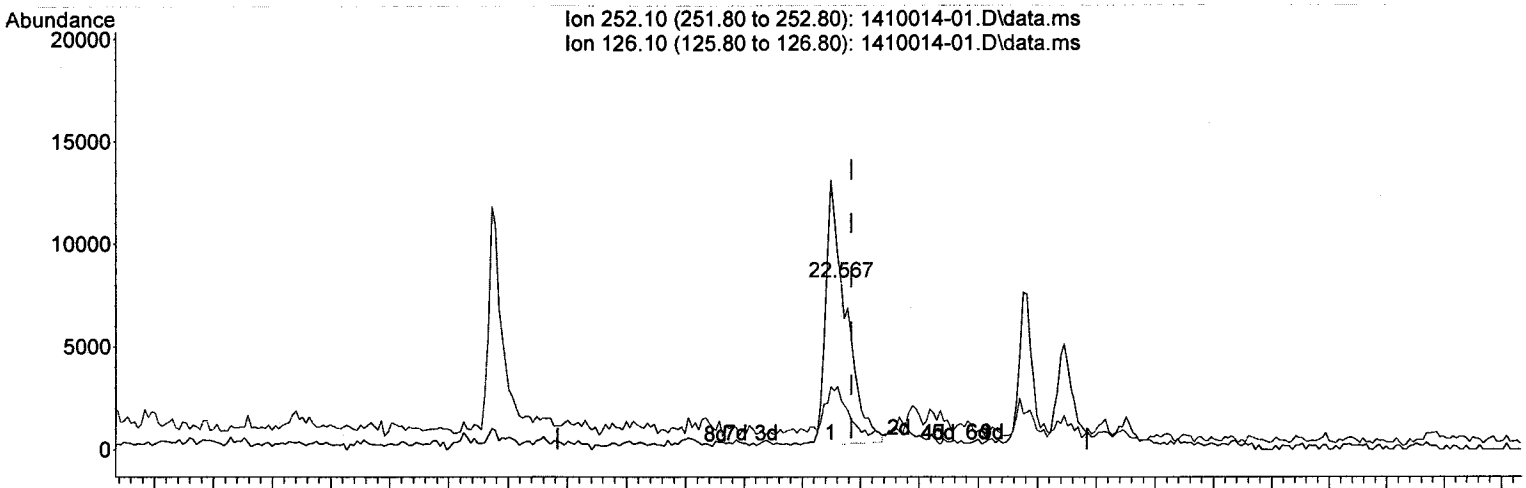
JLB 10/15/14

003237

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-01.D\data.ms

(91) Benzo(k)fluoranthene

22.567min (-0.018) 0.35 ng/uL m

response 10572

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	62.17#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

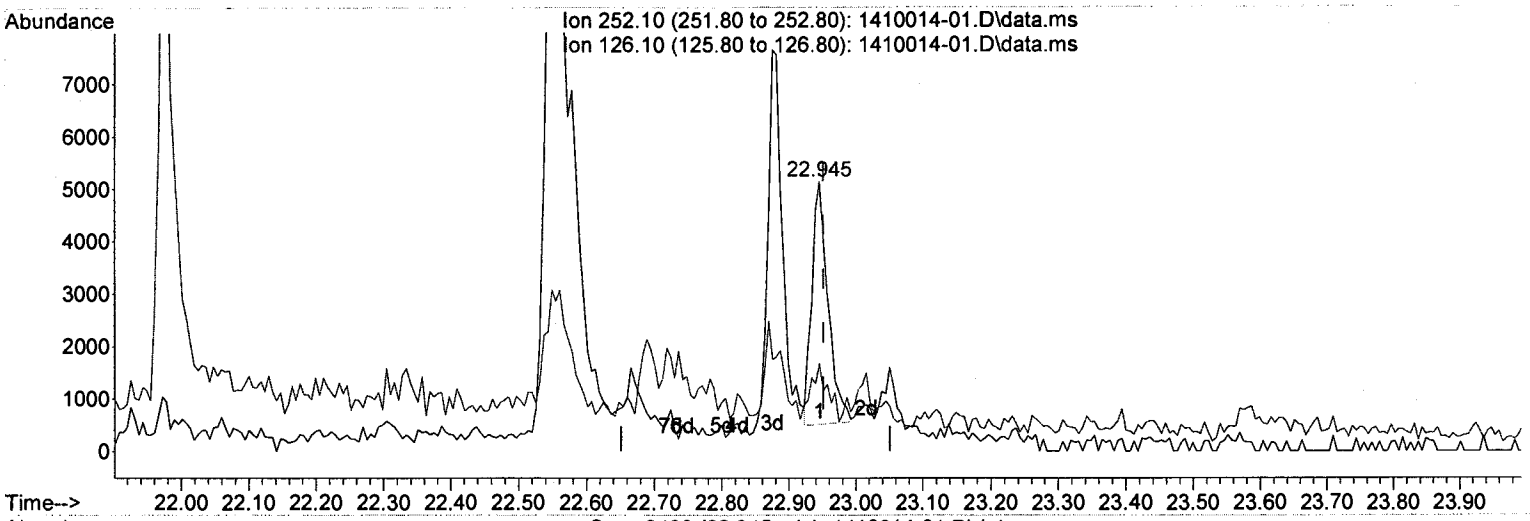
Reviewed By: ASC Date: 10/21/14

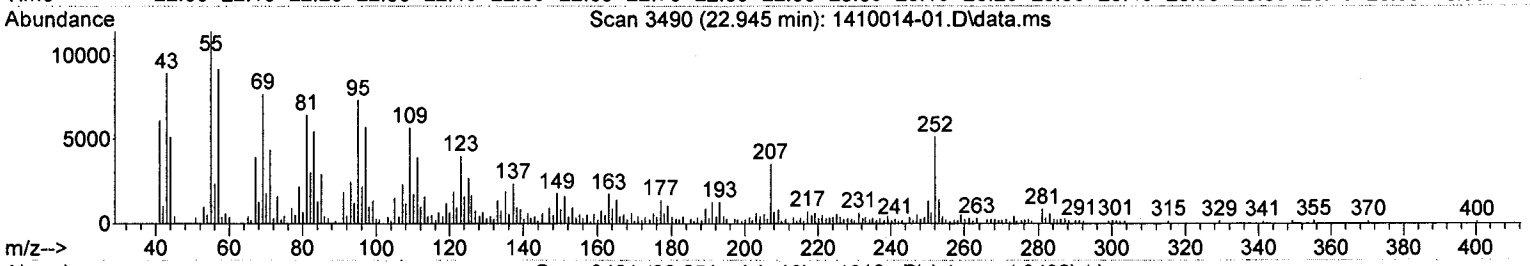
003238

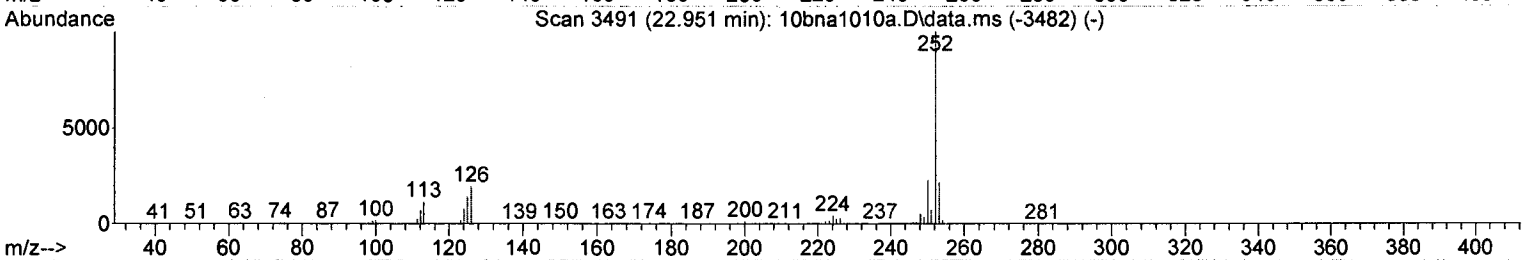
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-01.D\data.ms

(92) Benzo(a)pyrene (C)

22.945min (-0.006) 0.31 ng/uL

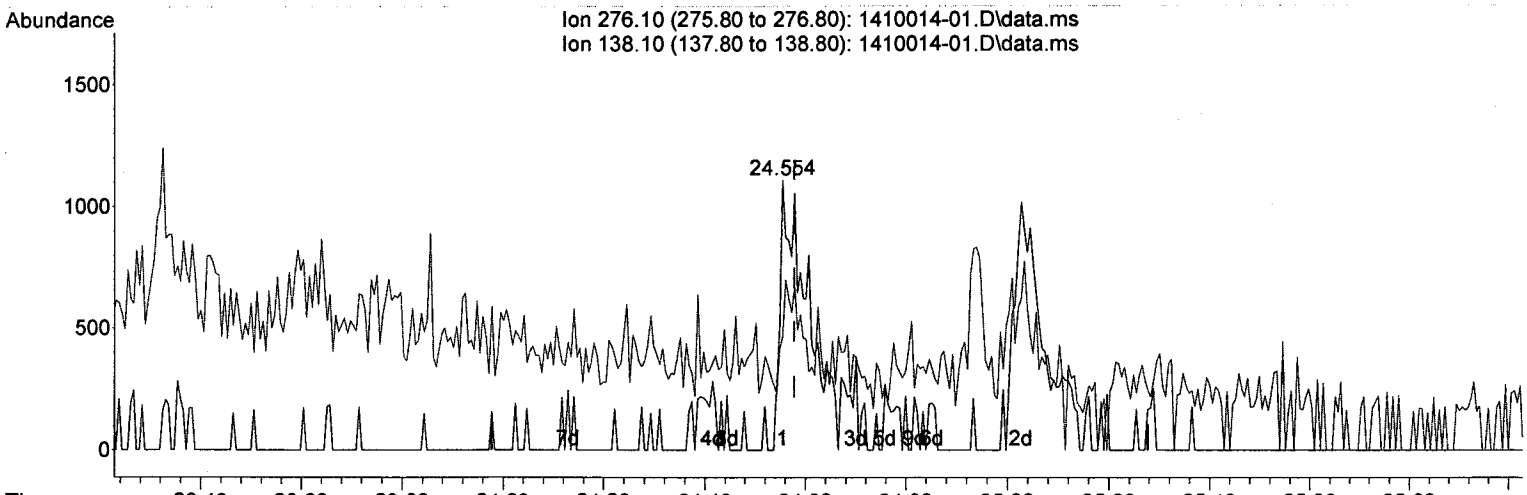
response 7807

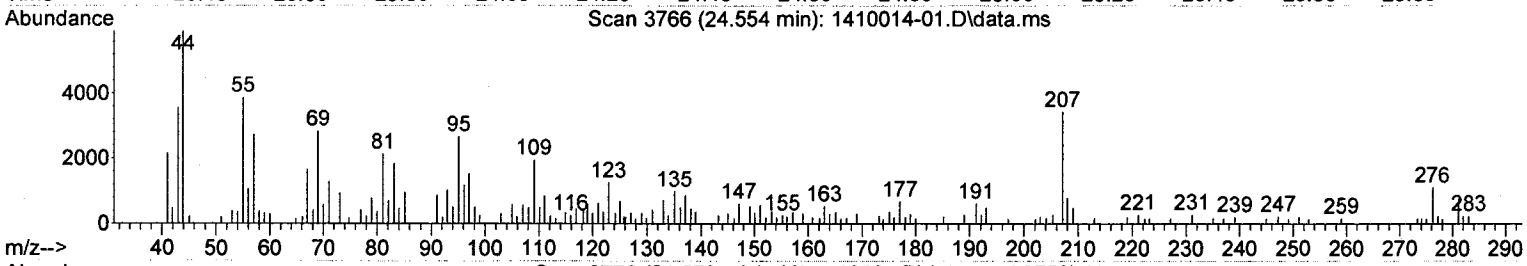
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	25.16#
0.00	0.00	0.00
0.00	0.00	0.00

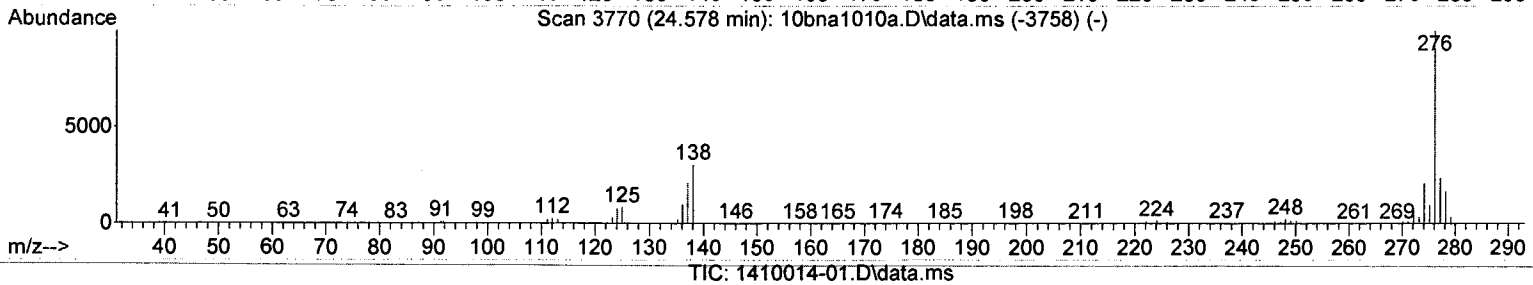
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-01.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.554min (-0.023) 0.19 ng/uL

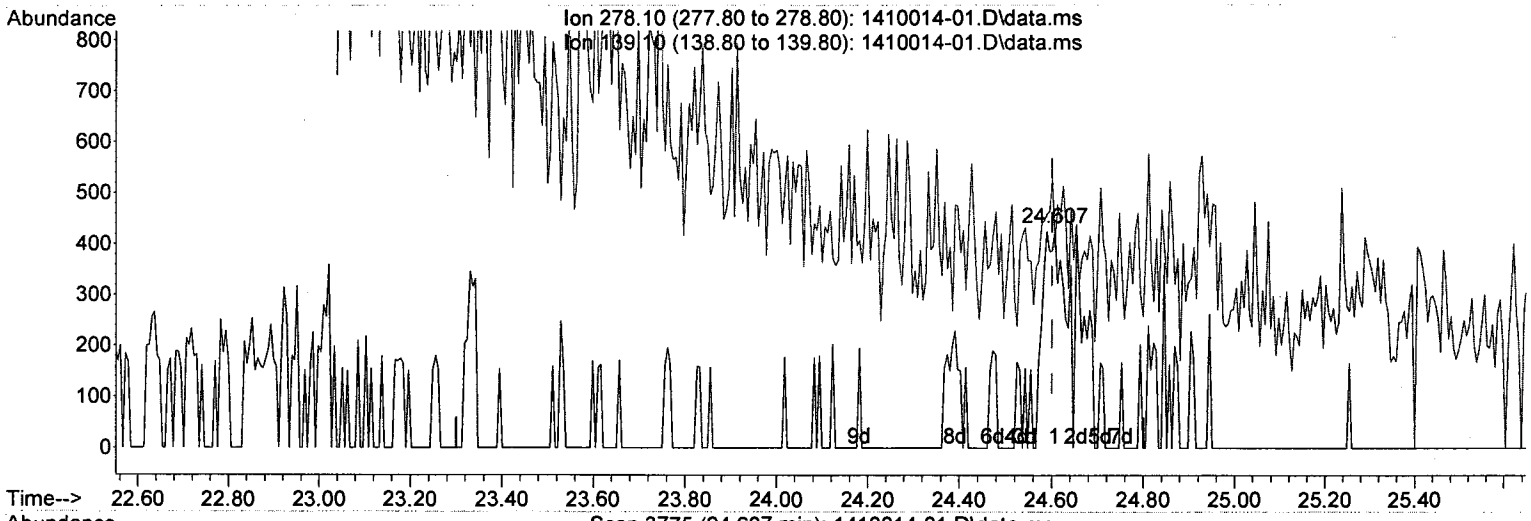
response 4138

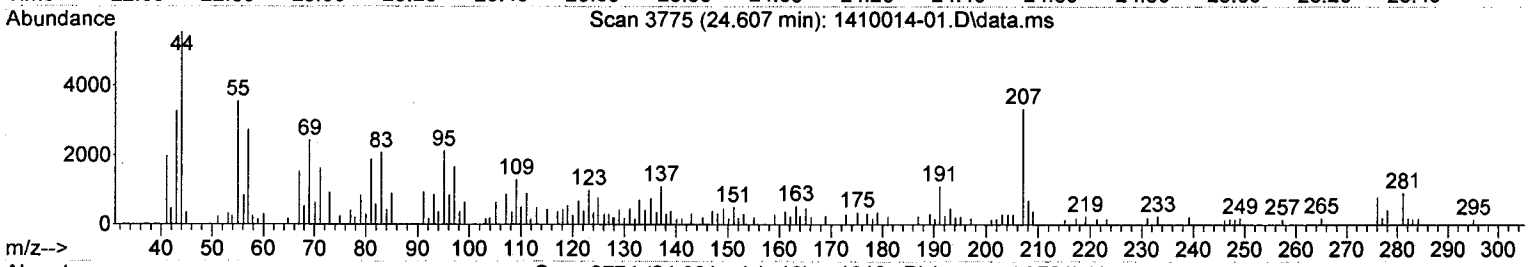
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	26.82
0.00	0.00	0.00
0.00	0.00	0.00

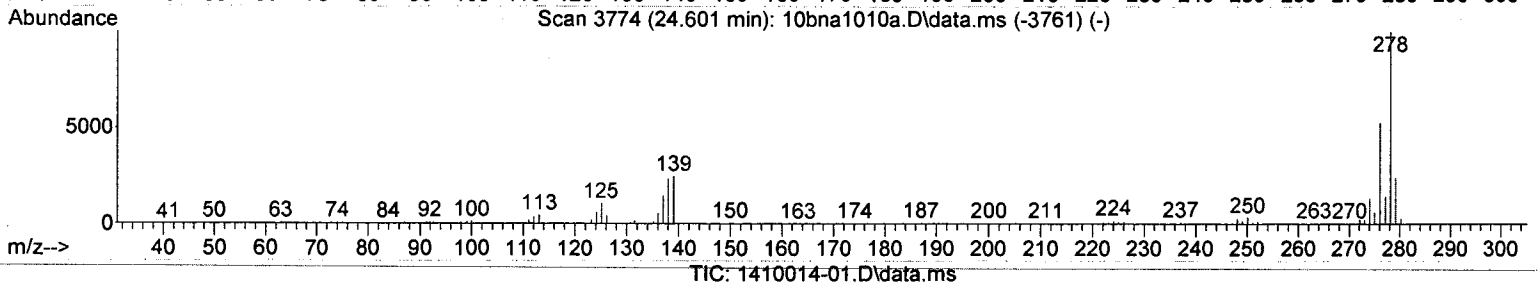
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-01.D\data.ms

(94) Dibdenz(a,h)anthracene

24.607min (+ 0.006) 0.08 ng/uL

response 1485

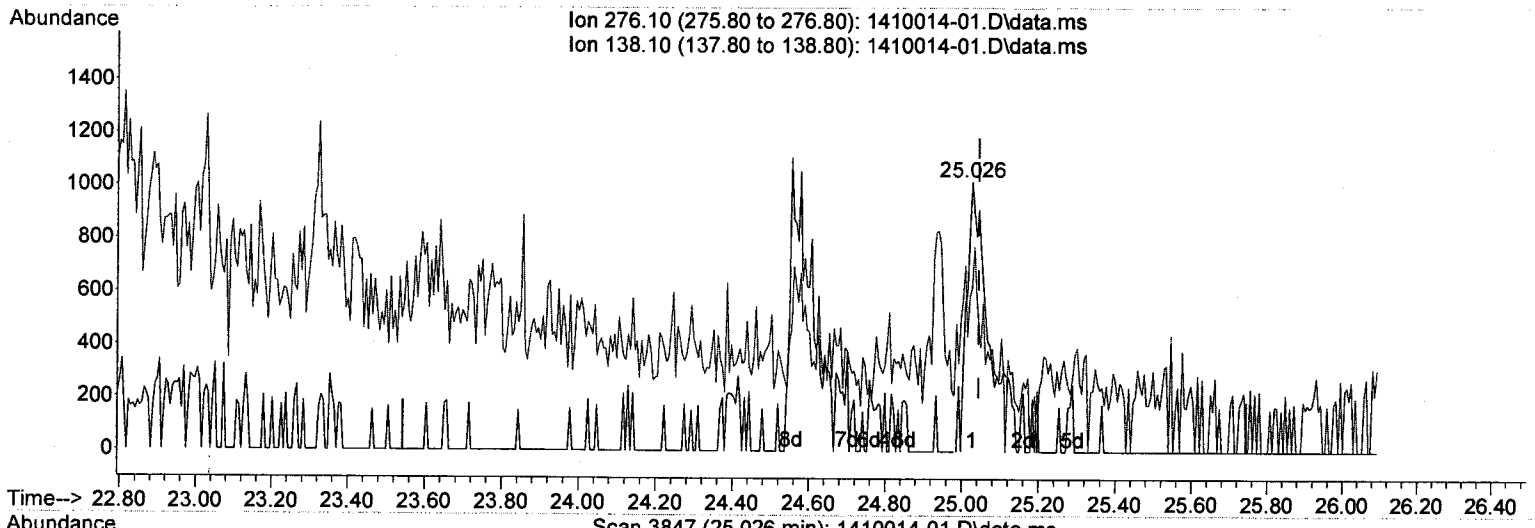
Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	28.28#
0.00	0.00	0.00
0.00	0.00	0.00

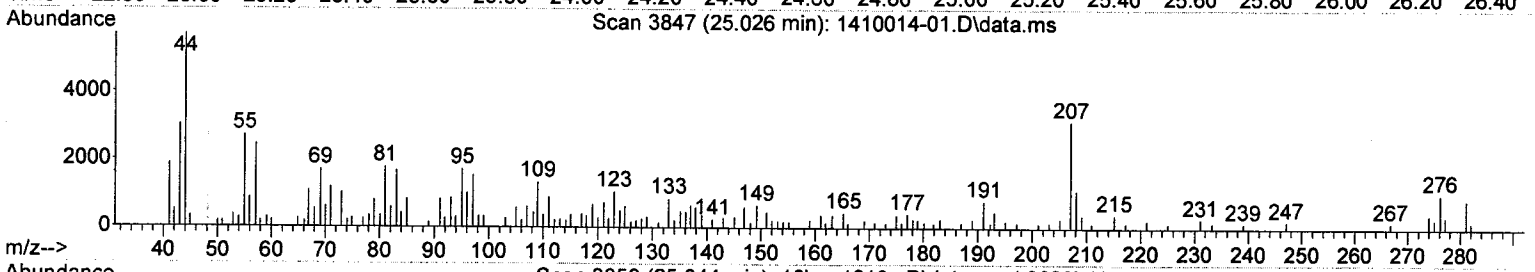
003241

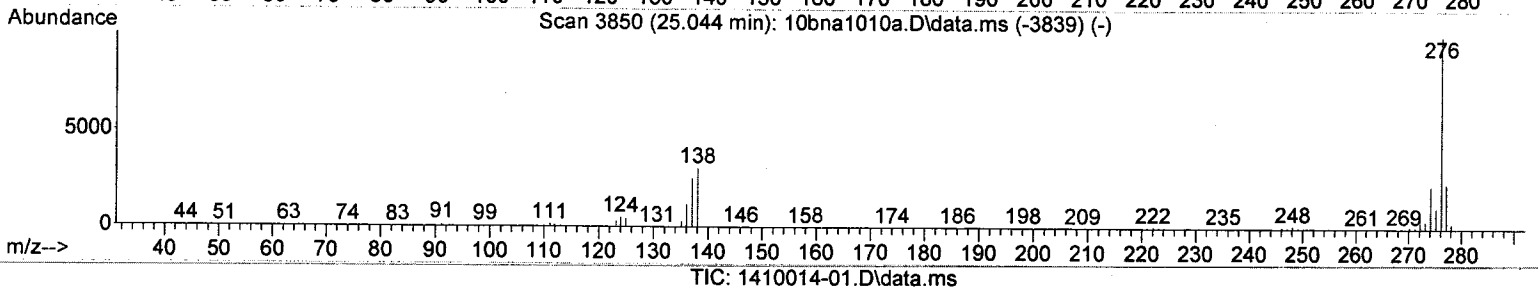
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-01.D
Acq On : 11 Oct 2014 00:55
Operator : JLB
Sample : 1410014-01 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 15 09:14:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-01.D\data.ms

(95) Benzo(g,h,i)Perylene

25.026min (-0.018) 0.22 ng/uL

response 4110

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	7.86#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB8-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-01RE1 File ID: 1410014-01 5x.D

Sampled: 09/29/14 09:20 Prepared: 10/02/14 07:41 Analyzed: 10/14/14 20:33

Solids: 95.37 Preparation: 3550C Sonication Extract Initial/Final: 29.8 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	5	88	24	88	88	U
208-96-8	Acenaphthylene	5	88	22	88	88	U
120-12-7	Anthracene	5	88	21	88	88	U
56-55-3	Benzo(a)anthracene	5	14	14	44	88	J
50-32-8	Benzo(a)pyrene	5	14	12	44	88	J
205-99-2	Benzo(b)fluoranthene	5	26	10	44	88	J
207-08-9	Benzo(k)fluoranthene	5	12	10	44	88	J
191-24-2	Benzo(g,h,i)perylene	5	44	9.9	44	170	U
65-85-0	Benzoic Acid	5	880	360	880	1700	U
100-51-6	Benzyl Alcohol	5	88	24	88	88	U
101-55-3	4-Bromophenyl Phenyl Ether	5	88	21	88	88	U
85-68-7	Butyl Benzyl Phthalate	5	88	21	88	170	U
86-74-8	Carbazole	5	88	21	88	880	U
59-50-7	4-Chloro-3-methylphenol	5	88	26	88	88	U
106-47-8	4-Chloroaniline	5	88	46	88	350	U
111-91-1	Bis(2-chloroethoxy)methane	5	88	21	88	88	U
111-44-4	Bis(2-chloroethyl) Ether	5	88	21	88	88	U
108-60-1	Bis(2-chloroisopropyl) Ether	5	44	19	44	88	U
91-58-7	2-Chloronaphthalene	5	88	26	88	88	U
95-57-8	2-Chlorophenol	5	88	21	88	88	U
7005-72-3	4-Chlorophenyl Phenyl Ether	5	88	20	88	88	U
218-01-9	Chrysene	5	21	20	88	88	J
53-70-3	Dibenz(a,h)anthracene	5	44	10	44	170	U
132-64-9	Dibenzofuran	5	88	26	88	88	U
84-74-2	Di-n-butyl Phthalate	5	170	71	170	350	U
106-46-7	1,4-Dichlorobenzene	5	88	25	88	88	U
95-50-1	1,2-Dichlorobenzene	5	88	29	88	88	U
541-73-1	1,3-Dichlorobenzene	5	88	30	88	88	U
91-94-1	3,3´-Dichlorobenzidine	5	3500	1500	3500	4400	U
120-83-2	2,4-Dichlorophenol	5	88	21	88	170	U
84-66-2	Diethyl Phthalate	5	88	25	88	88	U
105-67-9	2,4-Dimethylphenol	5	700	190	700	880	U
131-11-3	Dimethyl Phthalate	5	88	25	88	88	U
534-52-1	4,6-Dinitro-2-methylphenol	5	350	110	350	880	U
51-28-5	2,4-Dinitrophenol	5	880	290	880	880	U
606-20-2	2,6-Dinitrotoluene	5	44	21	44	88	U
121-14-2	2,4-Dinitrotoluene	5	44	17	44	170	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB8-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-01RE1 File ID: 1410014-01 5x.D

Sampled: 09/29/14 09:20 Prepared: 10/02/14 07:41 Analyzed: 10/14/14 20:33

Solids: 95.37 Preparation: 3550C Sonication Extract Initial/Final: 29.8 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	5	88	20	88	88	U
122-66-7	1,2-Diphenylhydrazine	5	44	18	44	88	U
117-81-7	Bis(2-ethylhexyl) Phthalate	5	74	60	88	170	JB
206-44-0	Fluoranthene	5	88	23	88	88	U
86-73-7	Fluorene	5	88	21	88	170	U
118-74-1	Hexachlorobenzene	5	88	25	88	88	U
87-68-3	Hexachlorobutadiene	5	88	24	88	88	U
67-72-1	Hexachloroethane	5	88	26	88	88	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	44	14	44	170	U
78-59-1	Isophorone	5	88	20	88	88	U
91-57-6	2-Methylnaphthalene	5	88	24	88	88	U
108-39-4	3+4-Methylphenol	5	44	19	44	88	U
95-48-7	2-Methylphenol	5	44	19	44	88	U
91-20-3	Naphthalene	5	88	29	88	88	U
100-01-6	4-Nitroaniline	5	350	130	350	1700	U
88-74-4	2-Nitroaniline	5	44	19	44	88	U
99-09-2	3-Nitroaniline	5	170	86	170	1700	U
98-95-3	Nitrobenzene	5	88	24	88	88	U
88-75-5	2-Nitrophenol	5	88	23	88	88	U
100-02-7	4-Nitrophenol	5	1700	530	1700	3500	U
62-75-9	N-Nitroso-dimethylamine	5	35	17	35	170	U
86-30-6	N-Nitroso-diphenylamine	5	44	18	44	88	U
621-64-7	N-Nitroso-di-n-propylamine	5	88	21	88	88	U
87-86-5	Pentachlorophenol	5	88	69	88	880	U
85-01-8	Phenanthrene	5	88	21	88	88	U
108-95-2	Phenol	5	28	20	88	880	J
129-00-0	Pyrene	5	25	23	88	88	J
120-82-1	1,2,4-Trichlorobenzene	5	88	23	88	88	U
95-95-4	2,4,5-Trichlorophenol	5	88	24	88	88	U
88-06-2	2,4,6-Trichlorophenol	5	44	13	44	88	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	704	633	90	33 - 113	D
Phenol-d6	704	639	91	30 - 115	D
Nitrobenzene-d5	352	285	81	33 - 131	D
2-Fluorobiphenyl	352	318	90	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB8-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-01RE1
File ID: 1410014-01 5x.D
Sampled: 09/29/14 09:20
Prepared: 10/02/14 07:41
Analyzed: 10/14/14 20:33
Solids: 95.37
Preparation: 3550C Sonication Extract
Initial/Final: 29.8 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	704	575	82	12 - 124	D
o-Terphenyl	352	338	96	20 - 155	D

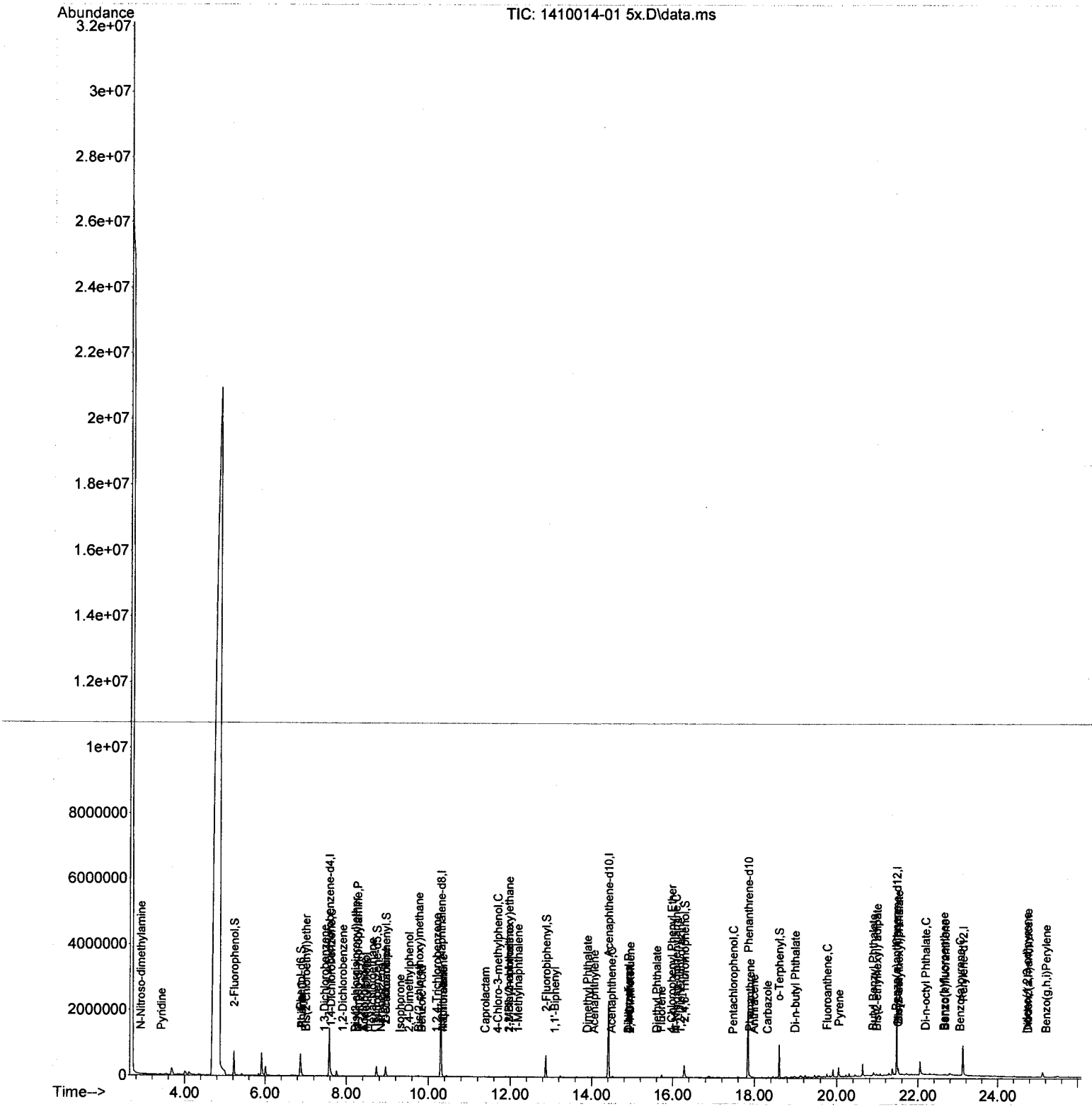
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	437852	7.574	403279	7.614	
Naphthalene-d8	1718022	10.307	1529030	10.359	
Acenaphthene-d10	963148	14.411	866604	14.474	
Phenanthrene-d10	1466946	17.844	1400442	17.901	
Chrysene-d12	1013517	21.469	1153654	21.538	
Perylene-d12	507100	23.124	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:14:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33 RE1
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:14:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.574	152	437852	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.307	136	1718022	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.411	164	963148	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.844	188	1466946	5.00	ng/uL	0.00
81) Chrysene-d12	21.469	240	1013517	5.00	ng/uL	# 0.00
89) Perylene-d12	23.124	264	507100	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.225	112	359837	3.60	ng/uL	0.08
6) Phenol-d6	6.868	99	469503	3.63	ng/uL	0.00
21) Nitrobenzene-d5	8.728	82	178046	1.62	ng/uL	-0.02
23) Decafluorobiphenyl	8.955	334	122364	1.59	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.878	172	360776	1.81	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.287	330	72827	3.27	ng/uL	-0.01
78) o-Terphenyl	18.601	230	241269	1.92	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.911	74	764	0.01	ng/uL#	1
3) Pyridine	3.424	79	125	0.00	ng/uL#	14
5) Aniline	6.897	93	650	0.23	ng/uL#	1
7) Phenol	6.897	94	23056	0.16	ng/uL#	25
8) Bis(2-chloroethyl)ether	6.997	93	206	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.451	146	351	0.00	ng/uL#	33
11) 1,4-Dichlorobenzene	7.609	146	244	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	7.906	146	252	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.221	45	136	0.00	ng/uL#	51
14) Benzyl Alcohol	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
16) Acetophenone	8.425	105	1673	0.01	ng/uL#	66
17) Hexachloroethane	8.617	119	809	0.02	ng/uL#	3
18) 4-Methylphenol	8.460	108	57	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.267	70	300	0.00	ng/uL#	1
22) Nitrobenzene	8.833	77	152	0.00	ng/uL#	30
24) Isophorone	9.305	82	707	0.00	ng/uL#	58
25) 2-Chloroaniline	8.949	127	1429	0.01	ng/uL#	65
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.520	107	58	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.759	93	126	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.823	105	212	~~2.46~~	ng/uL	88
31) 1,2,4-Trichlorobenzene	10.196	180	154	0.00	ng/uL#	1
32) Naphthalene	10.348	128	7637	0.02	ng/uL	98
33) 4-Chloroaniline	10.348	127	703	0.01	ng/uL#	27
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.386	55	5429	0.11	ng/uL#	29
37) 1,2-Bis(2-chloroethoxy...	11.963	63	698	0.01	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.689	107	124	0.00	ng/uL#	10
39) 2-Methylnaphthalene	11.963	142	9728	0.04	ng/uL	96
40) 1-Methylnaphthalene	12.190	142	8405	0.04	ng/uL	92
41) 1,3 Dinitrobenzene	13.758	168	53	Below Cal		100

003247

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:14:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	0.000		0	N.D.	
49) 1,1'-Biphenyl	13.093	154	2279	0.01 ng/uL#	84
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.055	152	653	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.892	163	3804	0.02 ng/uL#	55
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.481	153	3484	0.02 ng/uL#	84
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.900	168	2919	0.01 ng/uL#	86
58) 4-Nitrophenol	14.906	65	180	0.00 ng/uL#	1
59) 2,4-Dinitrotoluene	14.941	165	55	0.00 ng/uL#	1
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.716	166	2058	0.01 ng/uL#	41
63) Diethyl Phthalate	15.600	149	3184	0.02 ng/uL	100
64) 4-Chlorophenyl Phenyl ...	15.973	204	71	0.00 ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.072	169	1170	0.01 ng/uL#	35
69) 1,2-Diphenylhydrazine	16.188	182	387	0.01 ng/uL#	64
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.476	266	427	0.01 ng/uL#	40
75) Phenanthrene	17.884	178	30846	0.11 ng/uL	99
76) Anthracene	17.978	178	4606	0.02 ng/uL#	71
77) Carbazole	18.310	167	2499	0.01 ng/uL#	79
79) Di-n-butyl Phthalate	18.986	149	7277	0.03 ng/uL#	92
80) Fluoroanthene	19.761	202	27639	0.10 ng/uL	94
82) Pyrene	20.053	202	33731	0.14 ng/uL#	69
83) Butyl Benzyl Phthalate	20.880	149	10782	0.11 ng/uL	95
84) Bis(2-ethylhexyl) adipate	20.979	129	623	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.457	228	14355	0.08 ng/uL#	52
86) Chrysene	21.498	228	21351	0.12 ng/uL#	52
87) Bis(2-ethylhexyl)phtha...	21.510	149	51466	0.42 ng/uL	90
88) Di-n-octyl Phthalate	22.180	149	2822m	0.35 ng/uL	
90) Benzo(b)fluoroanthene	22.641	252	13999m	0.15 ng/uL	
91) Benzo(k)fluoranthene	22.676	252	7429m	0.07 ng/uL	
92) Benzo(a)pyrene	23.049	252	7176	0.08 ng/uL#	72
93) Indeno(1,2,3-cd)pyrene	24.727	276	3597	0.05 ng/uL#	89
94) Dibdenz(a,h)anthracene	24.756	278	1300	0.02 ng/uL#	1
95) Benzo(g,h,i)Perylene	25.205	276	2950	0.05 ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 07:52:57 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration

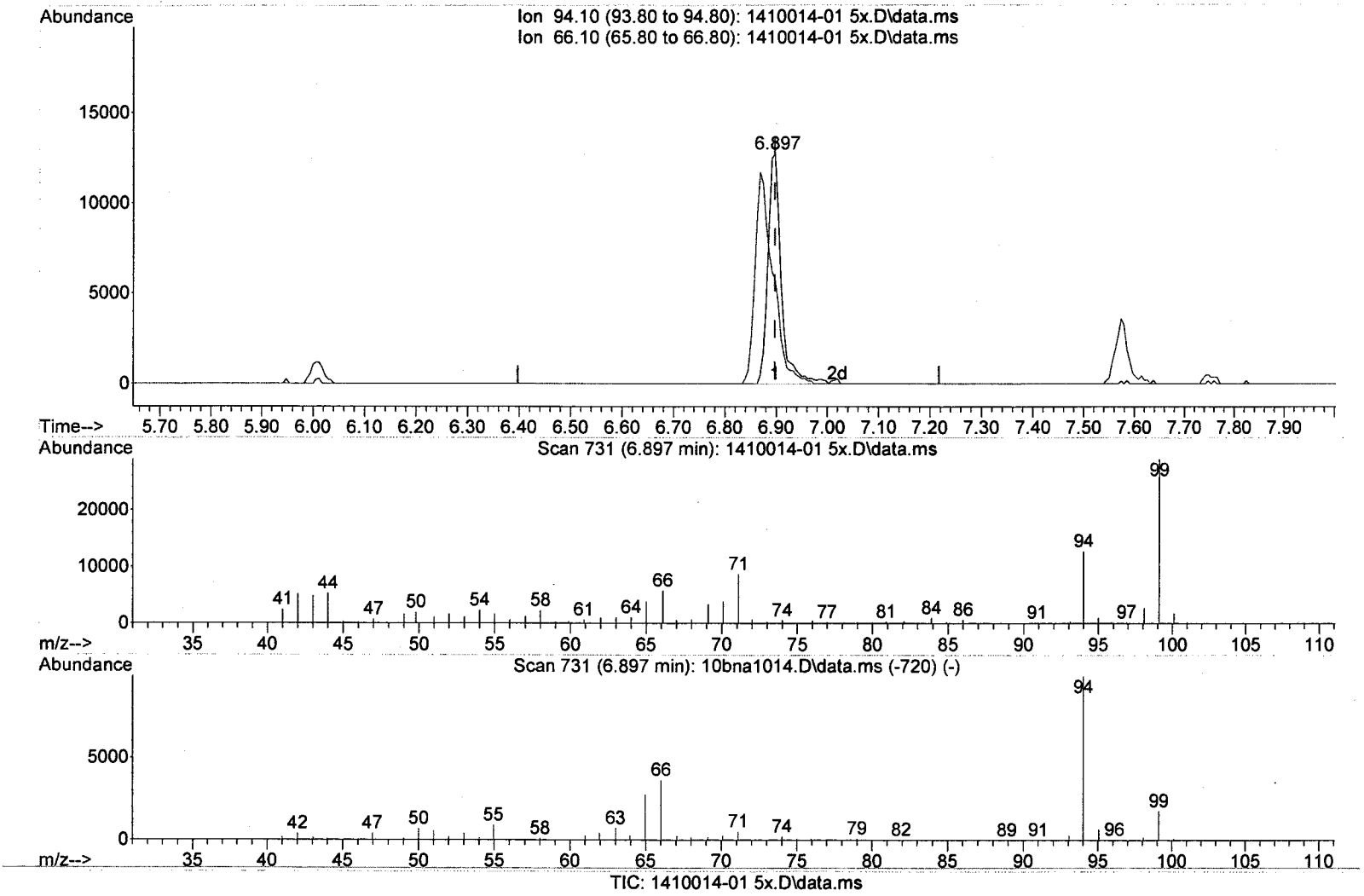
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.574	152	432933	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.307	136	1718022	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.411	164	960406	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.844	188	1466946	5.00	ng/uL	0.00
19) Chrysene-d12	21.469	240	1013517	5.00	ng/uL	# 0.00
22) Perylene-d12	23.124	264	507100	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.911	74	764	0.01	ng/uL#	1
3) Pyridine	2.812	79	384	0.00	ng/uL	96
4) Aniline	6.897	93	650	0.00	ng/uL#	1
5) Benzaldehyde	6.734	105	4113	0.04	ng/uL#	1
6) Acetophenone	8.425	105	1673	0.01	ng/uL#	66
7) N-Nitroso-di-n-propyla...	8.460	70	130	0.00	ng/uL#	40
9) 4-Chloroaniline	10.348	127	808	0.02	ng/uL#	27
10) Caprolactam	11.286	55	2873	0.15	ng/uL#	38
12) 1,1'-Biphenyl	13.093	154	2279	0.01	ng/uL#	84
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	15.967	138	66	Below Cal	#	1
17) N-Nitroso-diphenylamine	16.072	169	1170	0.01	ng/uL#	35
18) Atrazine	0.000		0	N.D.		
20) Benzidine	19.994	184	212	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.061	252	984	0.02	ng/uL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:12:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1410014-01 5x.D\data.ms

(7) Phenol (C)

6.897min (-0.000) 0.16 ng/uL

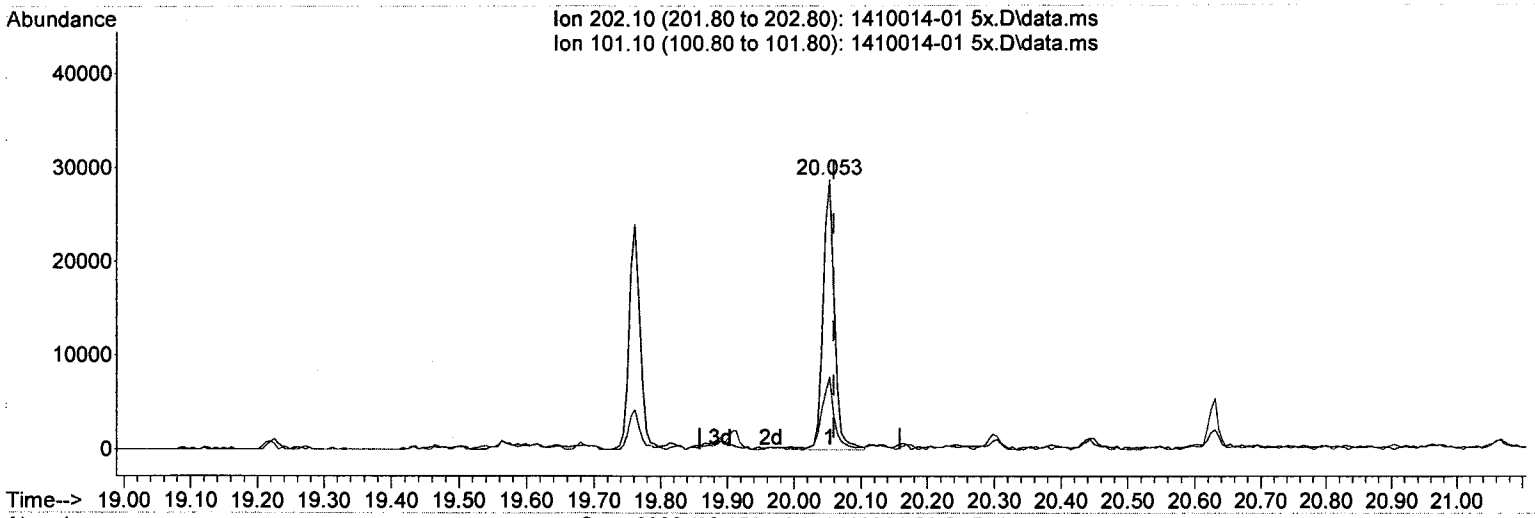
response 23056

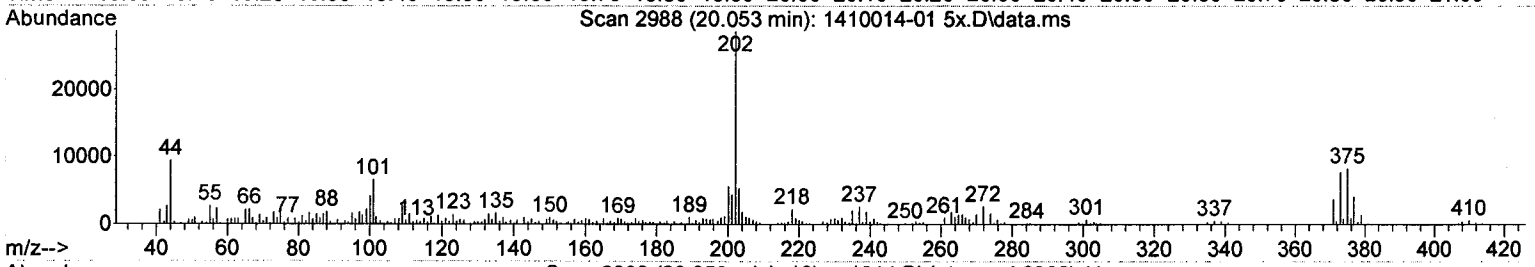
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	123.97#
0.00	0.00	0.00
0.00	0.00	0.00

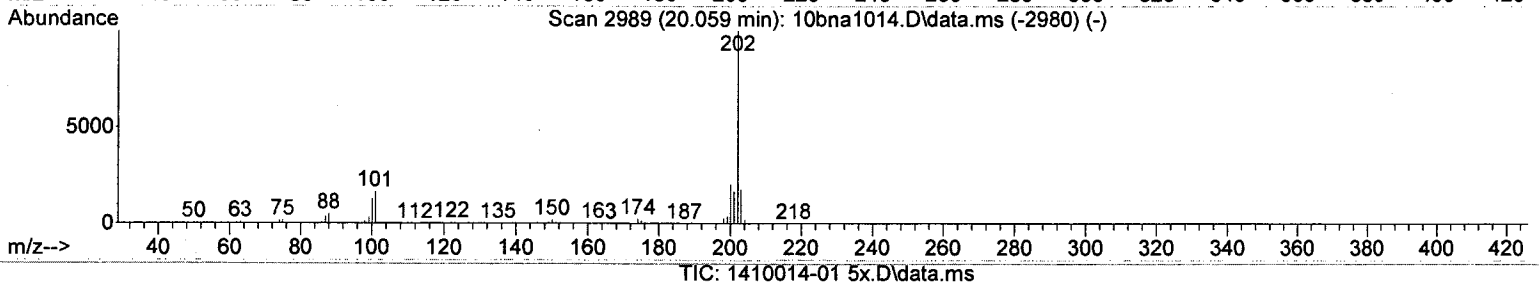
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:12:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1410014-01 5x.D\data.ms

(82) Pyrene

20.053min (-0.006) 0.14 ng/uL

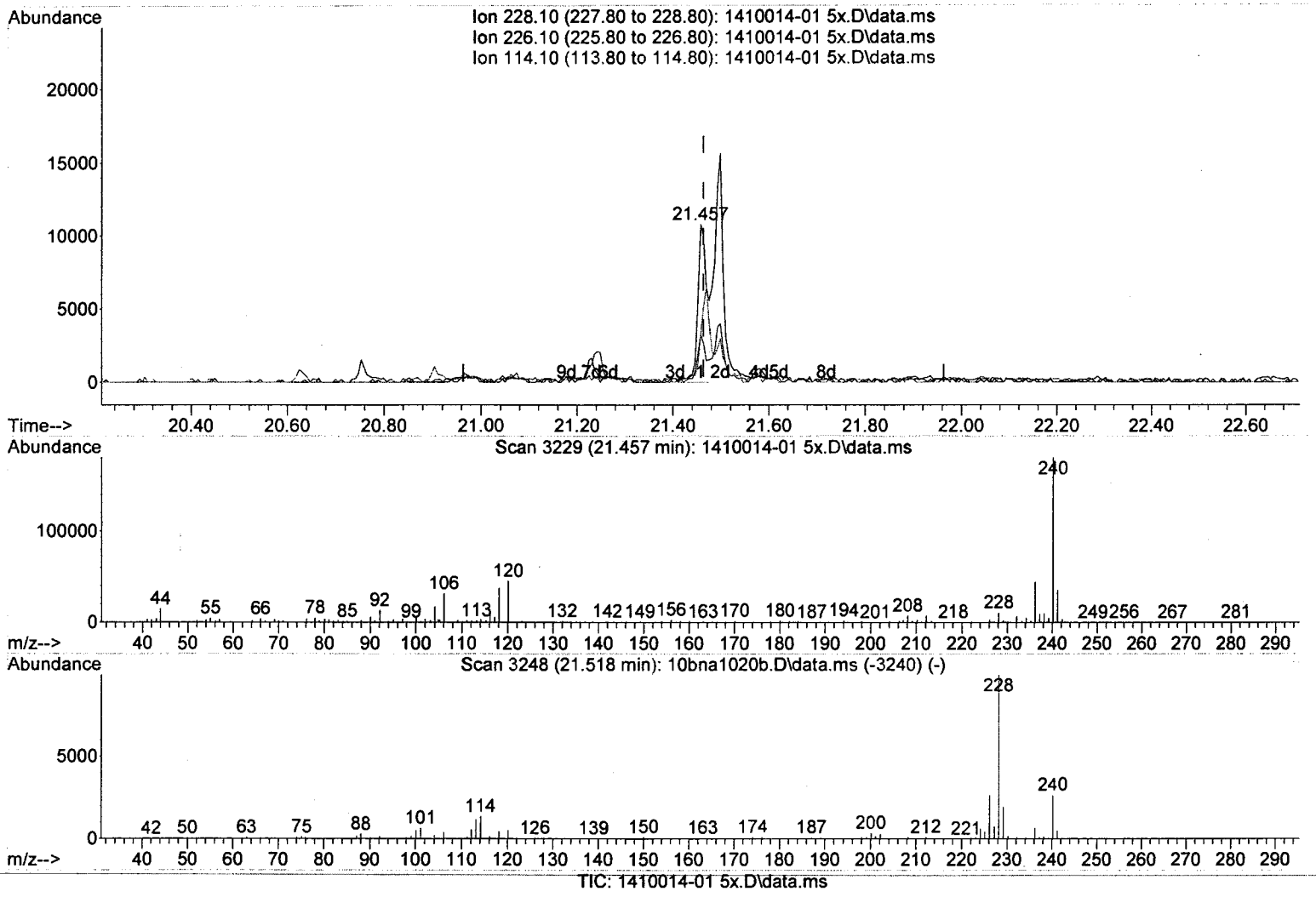
response 33731

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	29.30#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:14:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1410014-01 5x.D\data.ms

(85) Benzo(a)anthracene

21.457min (-0.006) 0.08 ng/uL

response 14355

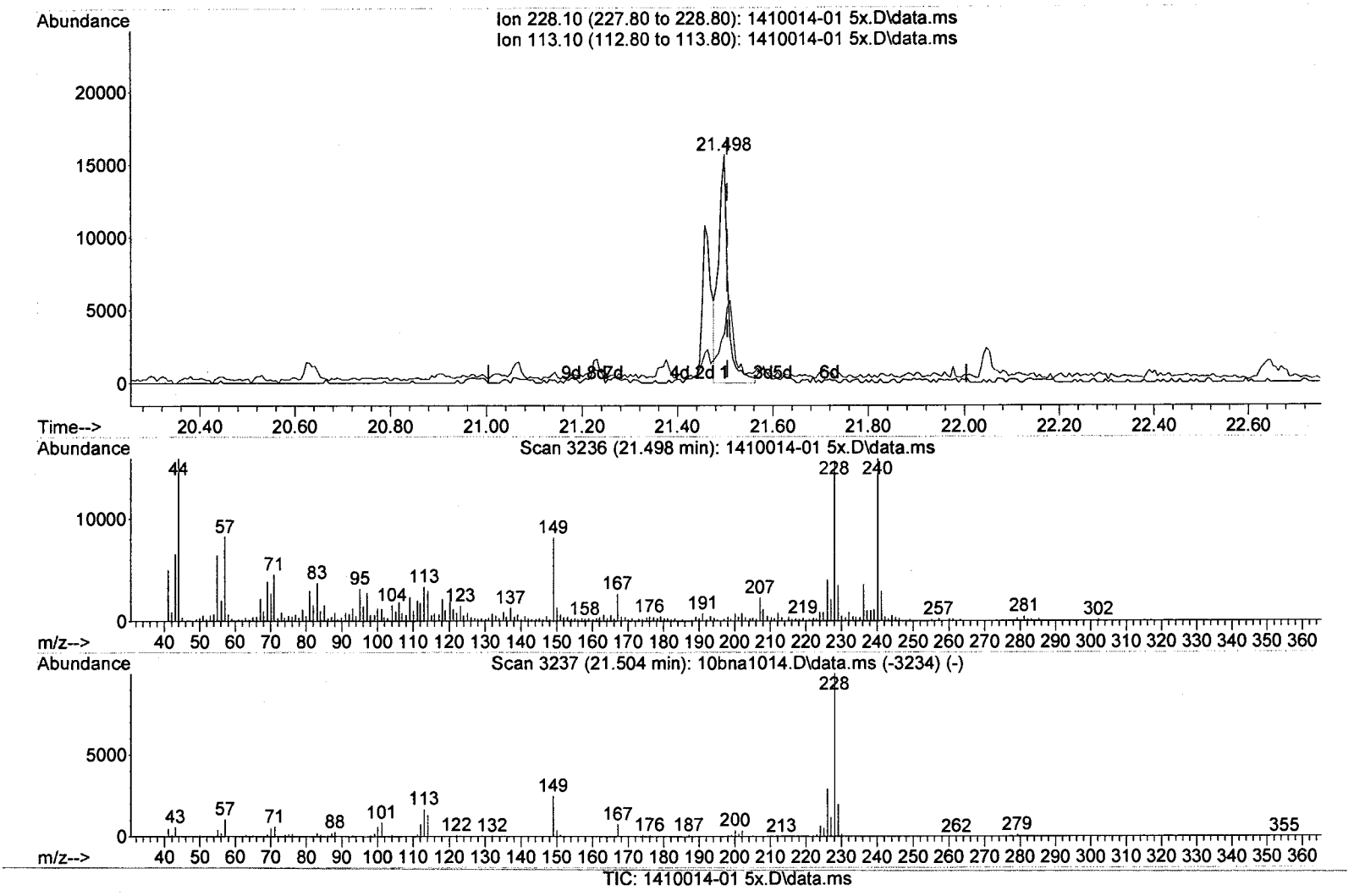
Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	29.72
114.10	13.30	64.21#
0.00	0.00	0.00

003252

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:12:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1410014-01 5x.D\data.ms

(86) Chrysene

21.498min (-0.006) 0.12 ng/uL

response 21351

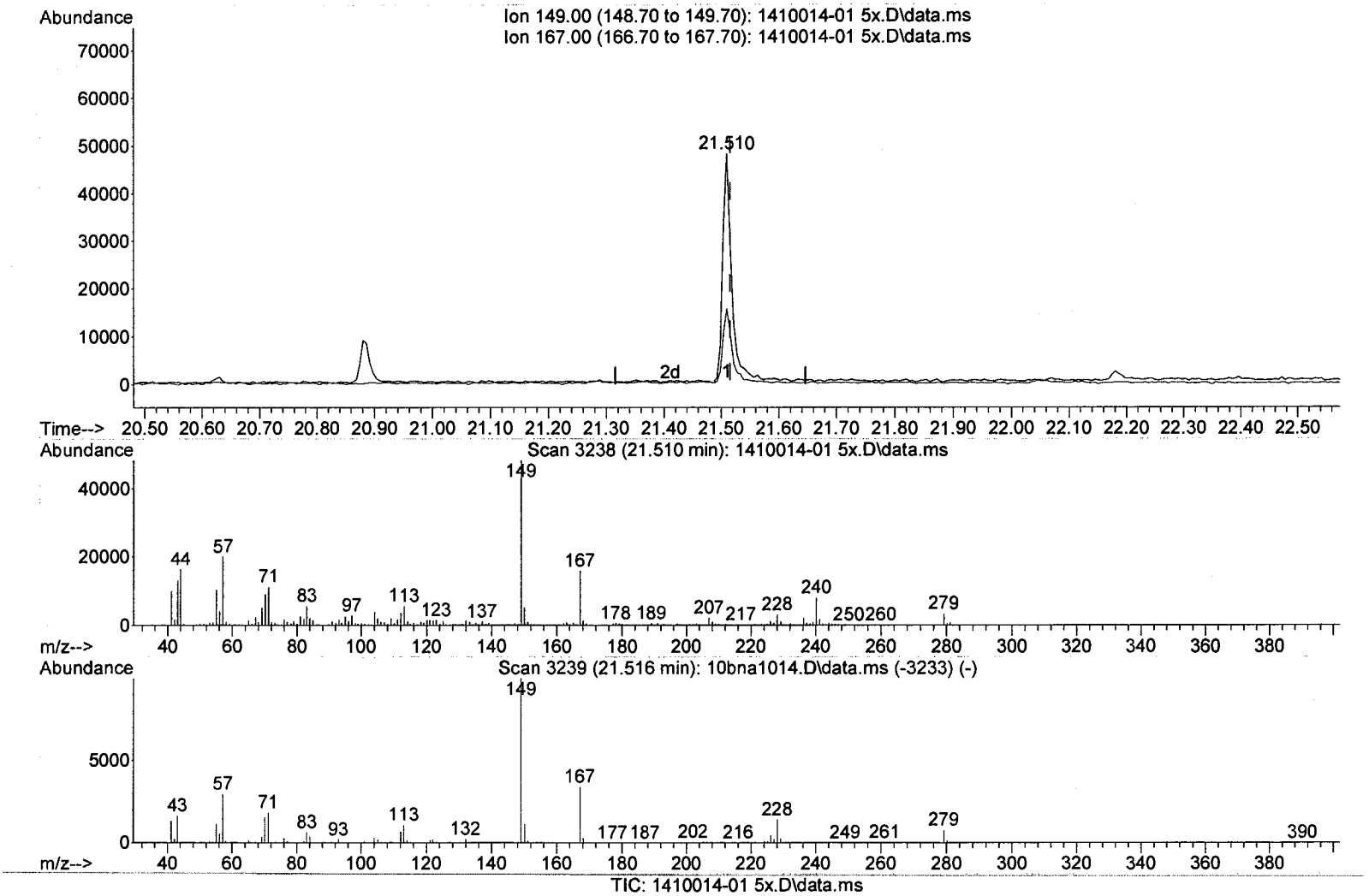
Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	36.37#
0.00	0.00	0.00
0.00	0.00	0.00

003253

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:12:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1410014-01 5x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.510min (-0.006) 0.42 ng/uL

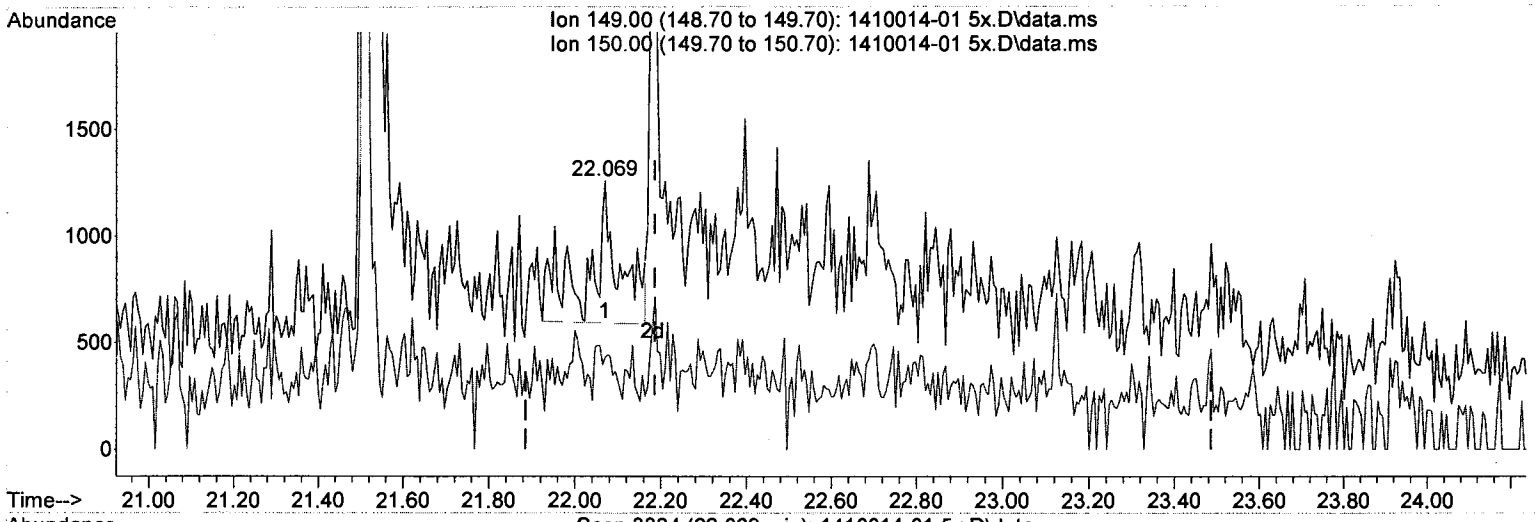
response 51466

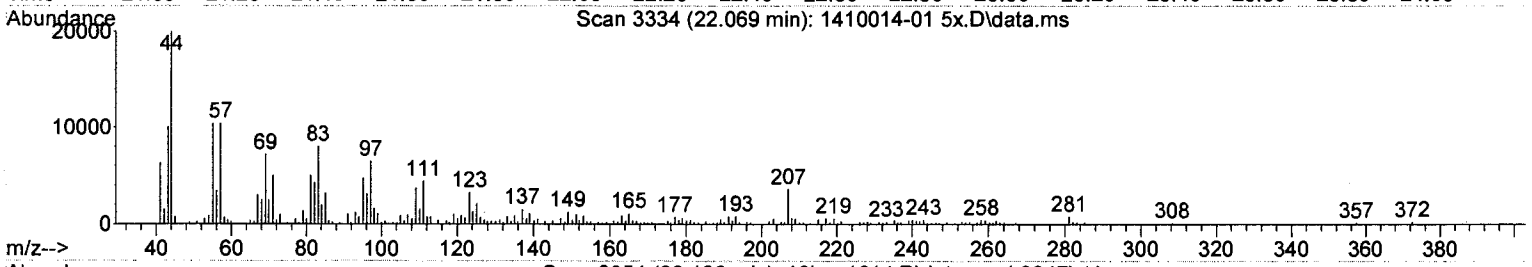
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.78
0.00	0.00	0.00
0.00	0.00	0.00

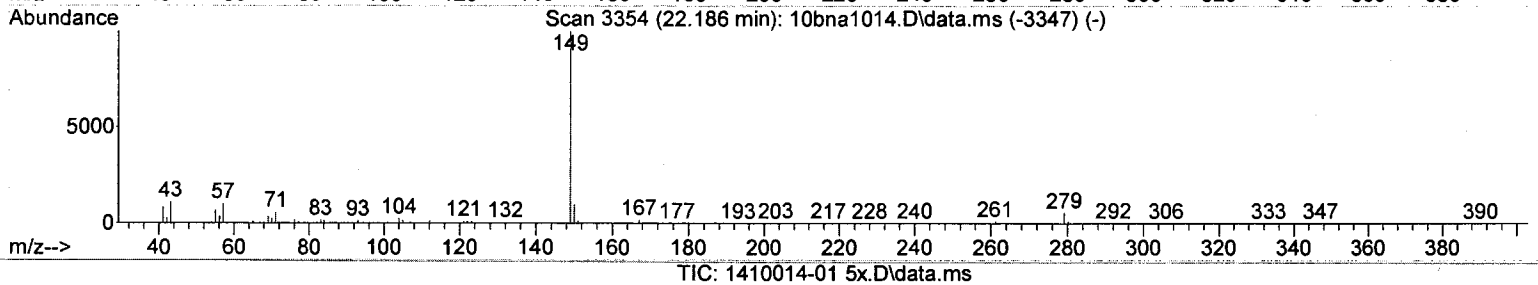
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:12:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1410014-01 5x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.069min (-0.117) 0.36 ng/uL

response 3357

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	9.74
0.00	0.00	0.00
0.00	0.00	0.00

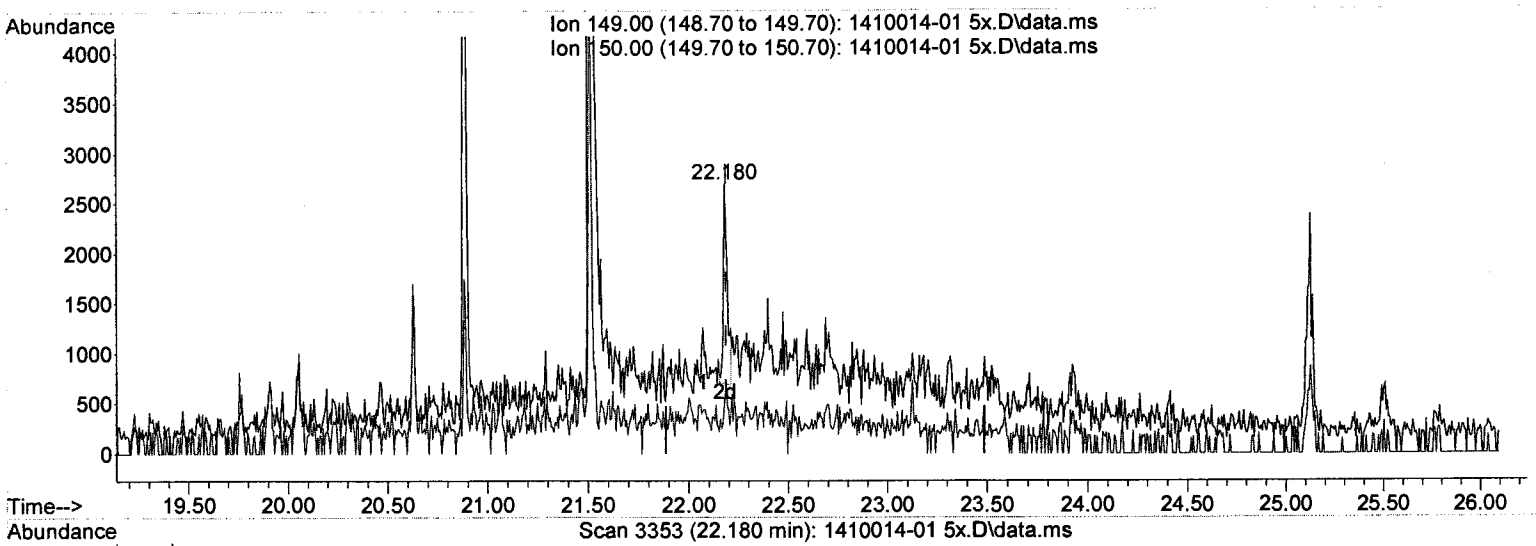
JWS 10/15/14

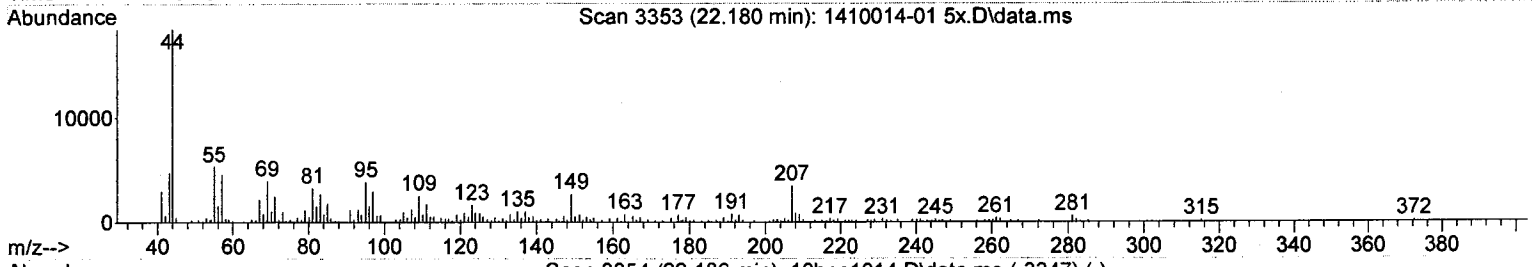
003255

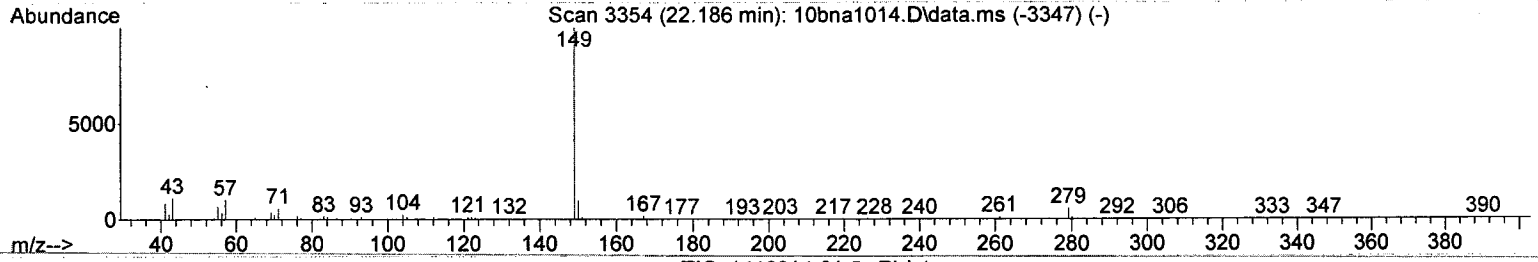
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:12:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1410014-01 5x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.180min (-0.006) 0.35 ng/uL m

response 2822

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	11.59#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

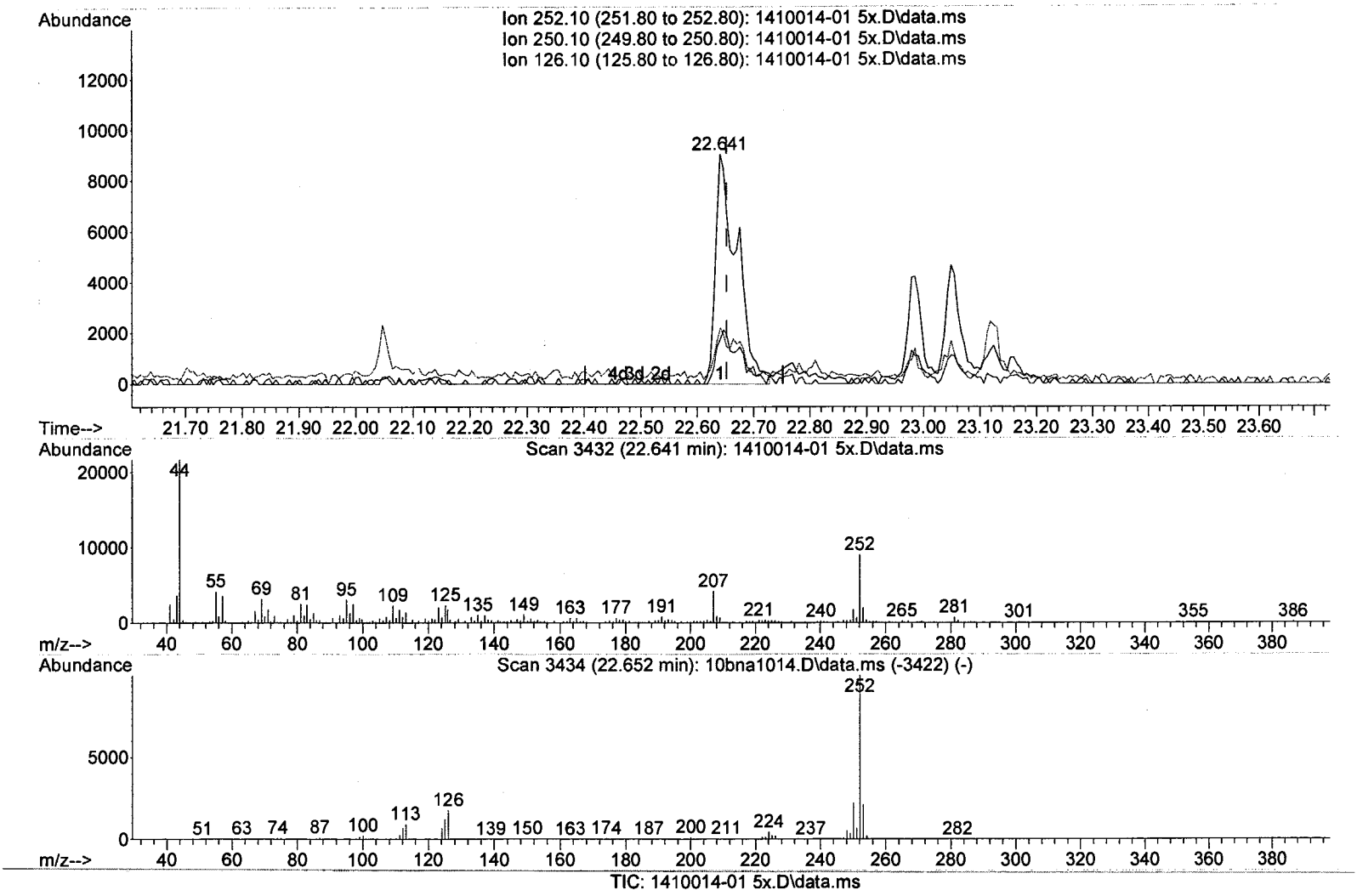
Reviewed By: ASC Date: 10/21/14

pp

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:12:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1410014-01 5x.D\data.ms

(90) Benzo(b)fluoroanthene

22.641min (-0.012) 0.26 ng/uL

response 23823

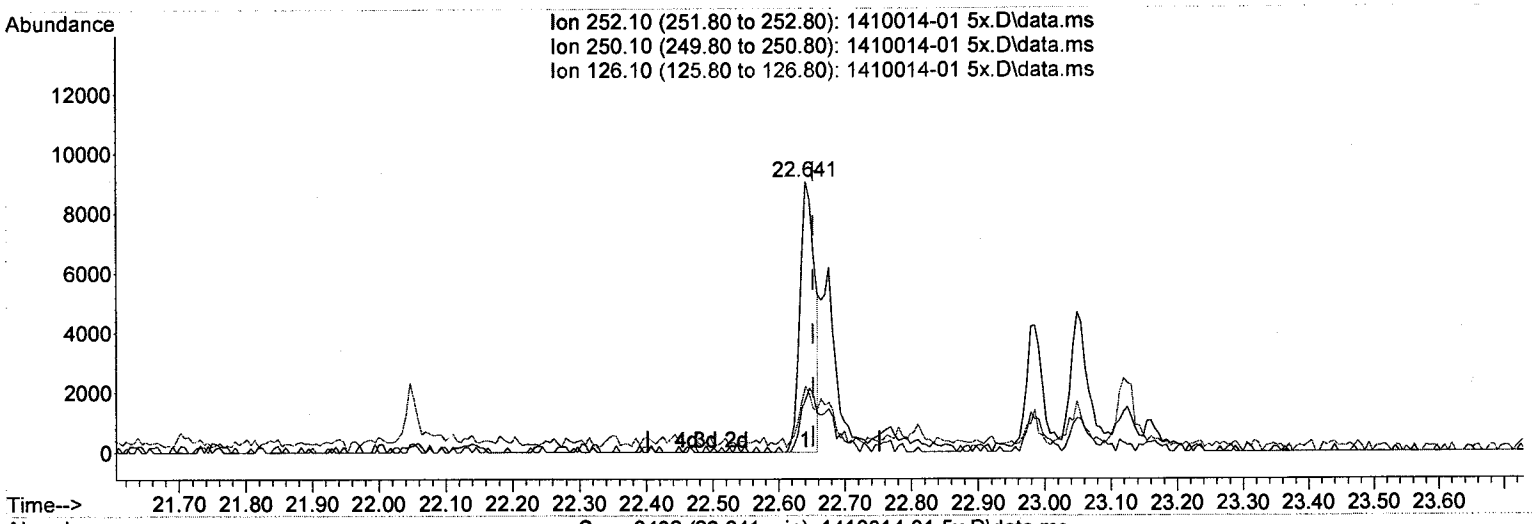
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	24.59
126.10	17.20	13.46#
0.00	0.00	0.00

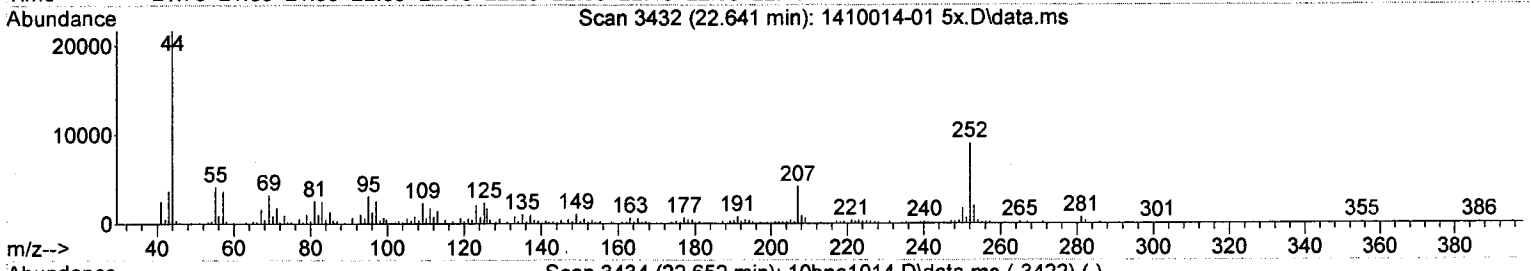
JWS 10/15/14

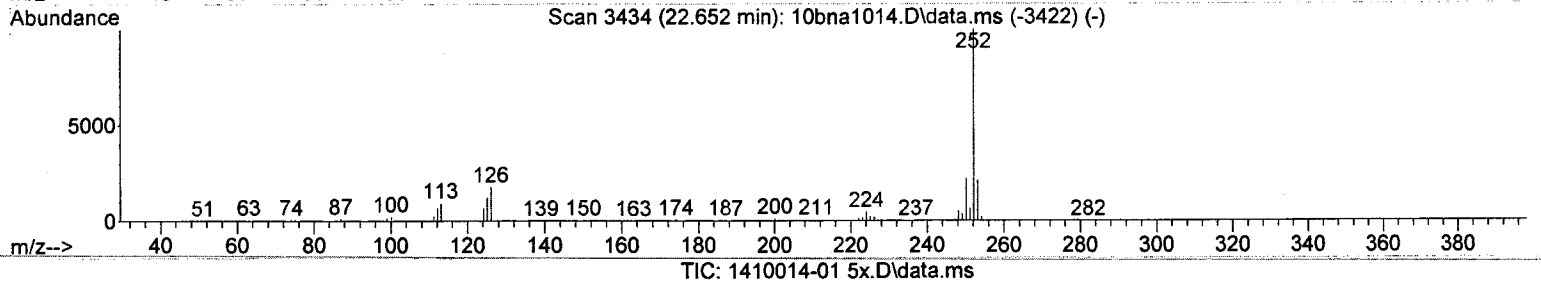
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:12:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1410014-01 5x.D\data.ms

(90) Benzo(b)fluoroanthene

22.641min (-0.012) 0.15 ng/uL m

response 13999

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	41.85#
126.10	17.20	22.90#
0.00	0.00	0.00

Manual integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

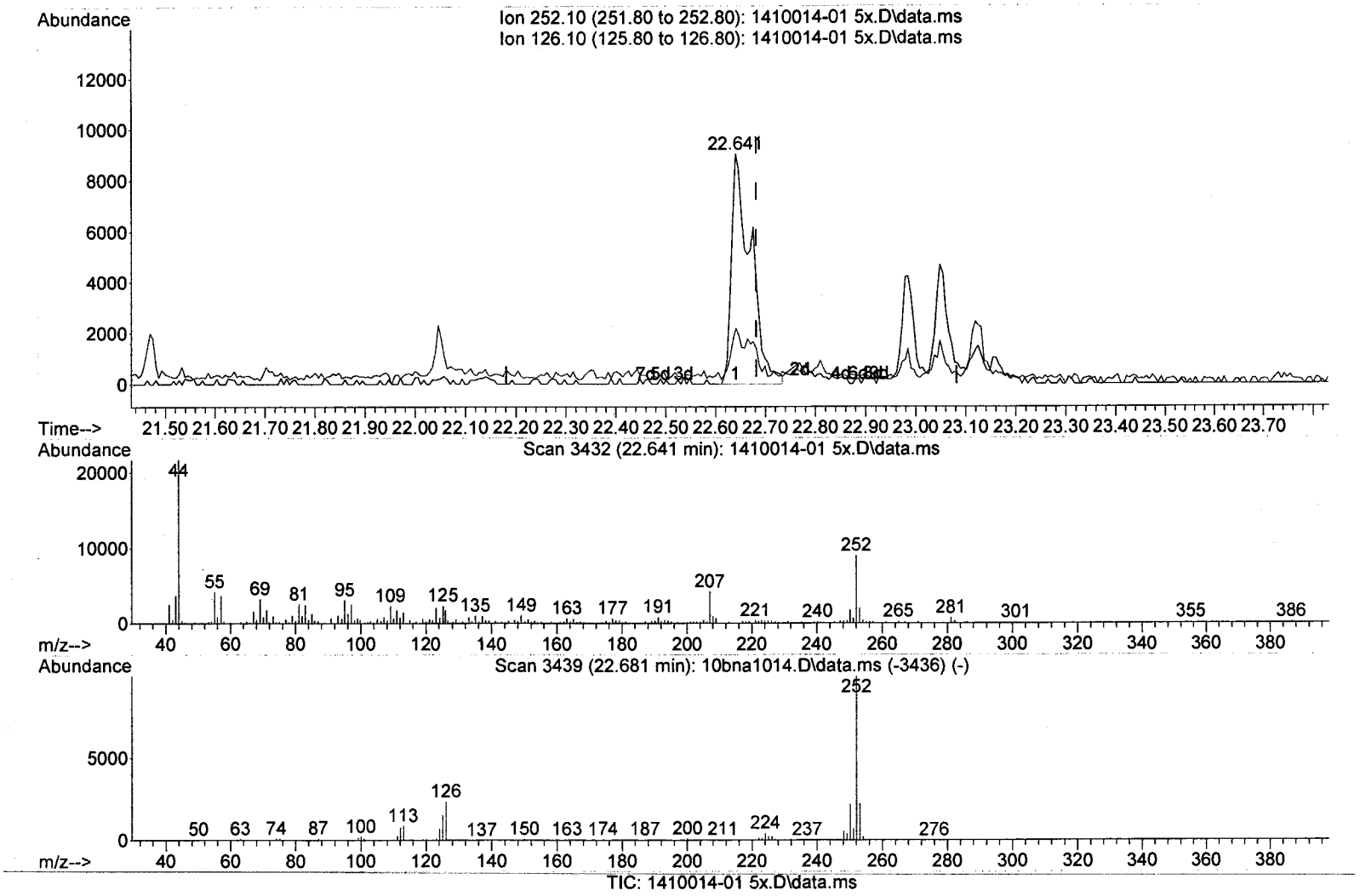
Analyst: JLB Date: 10/15/14

Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:12:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1410014-01 5x.D\data.ms

(91) Benzo(k)fluoranthene

22.641min (-0.041) 0.23 ng/uL

response 23921

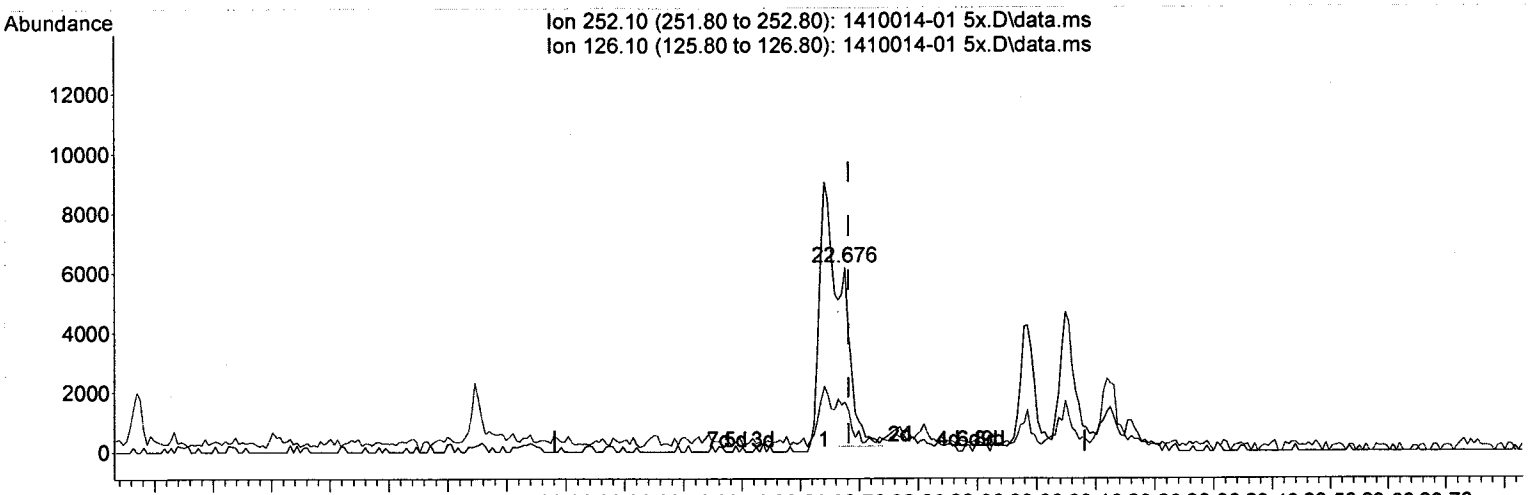
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	13.40#
0.00	0.00	0.00
0.00	0.00	0.00

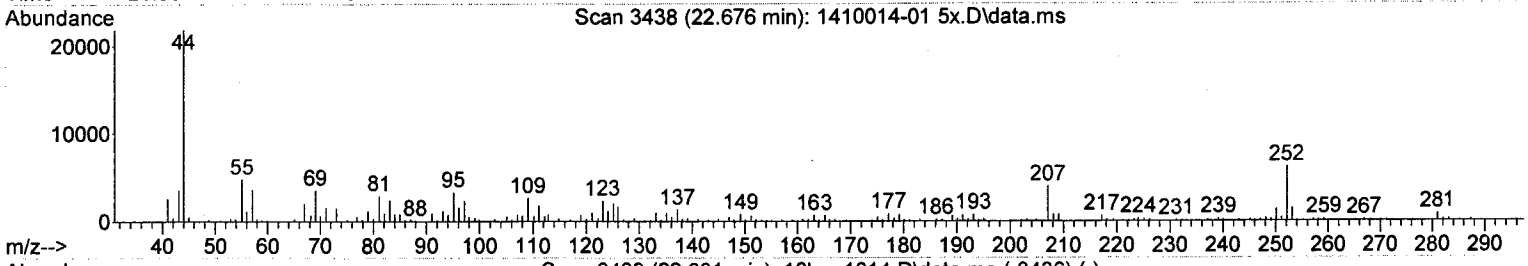
JLB 10/15/14

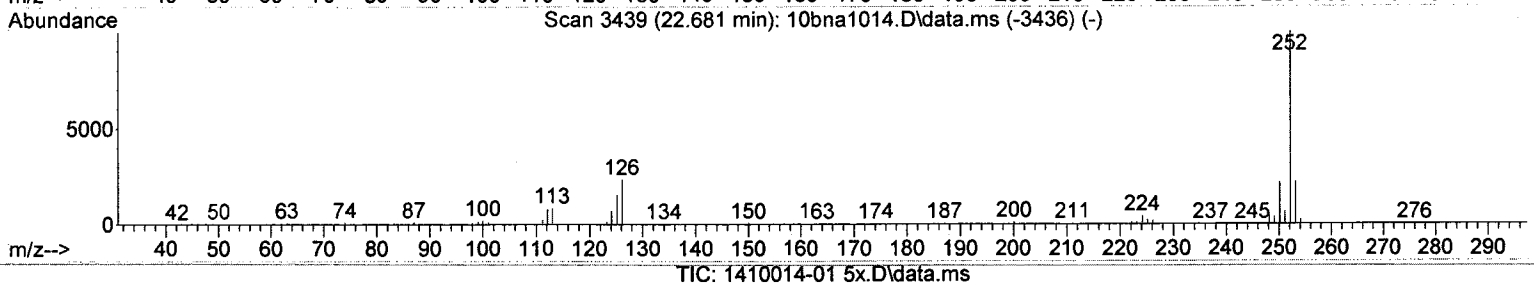
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:12:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1410014-01 5x.D\data.ms

(91) Benzo(k)fluoranthene

22.676min (-0.006) 0.07 ng/uL m

response 7429

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	43.16#
0.00	0.00	0.00
0.00	0.00	0.00

Manual integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

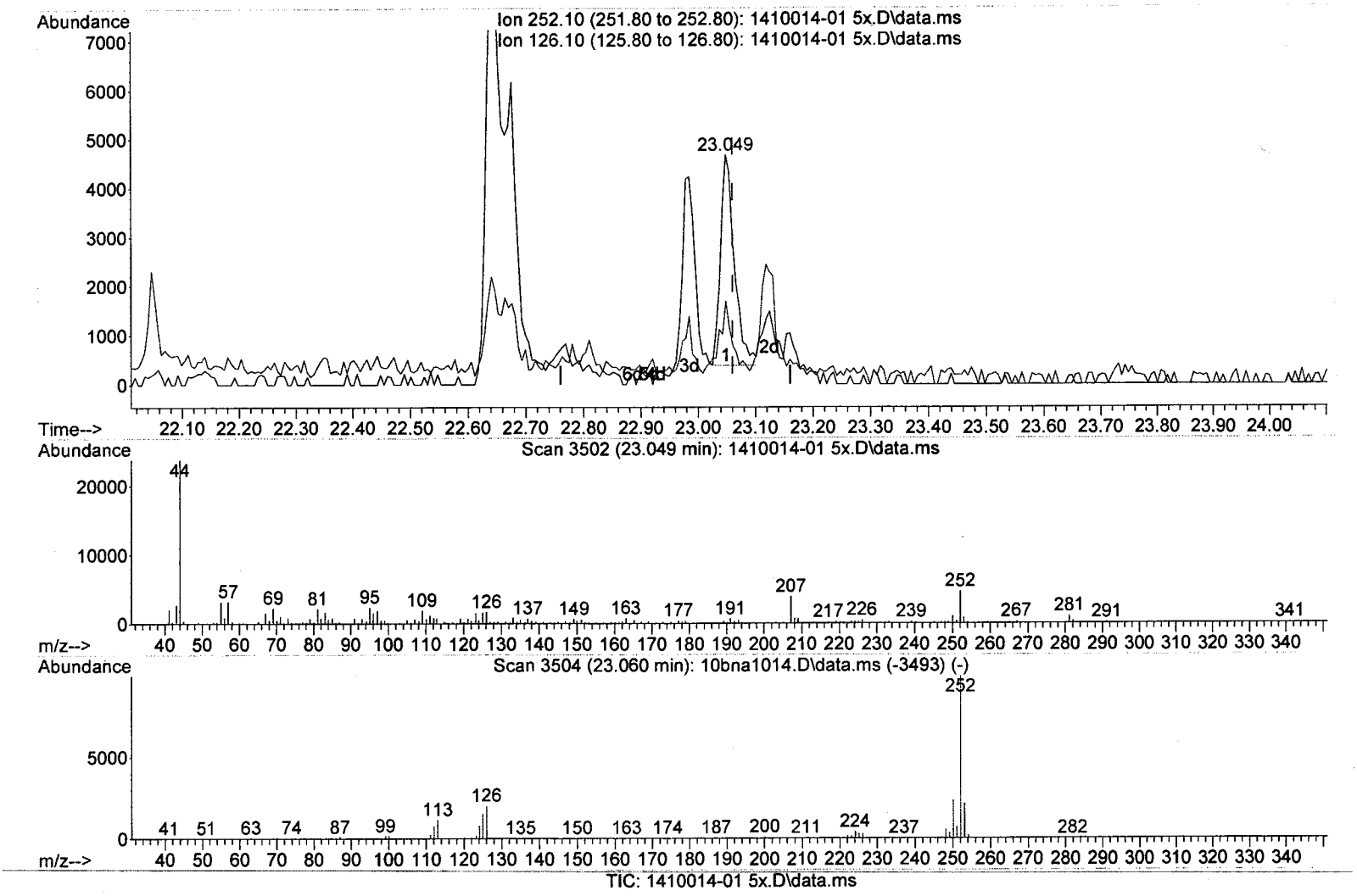
Reviewed By: ASC Date: 10/21/14

003260

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-01 5x.D
Acq On : 14 Oct 2014 20:33
Operator : JLB
Sample : 1410014-01 5x Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 08:12:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1410014-01 5x.D\data.ms

(92) Benzo(a)pyrene (C)

23.049min (-0.012) 0.08 ng/uL

response 7176

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	32.12#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB8-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-02 File ID: 1410014-02.D

Sampled: 09/29/14 09:41 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 16:52

Solids: 97.76 Preparation: 3550C Sonication Extract Initial/Final: 29.8 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	85	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB8-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-02 File ID: 1410014-02.D

Sampled: 09/29/14 09:41 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 16:52

Solids: 97.76 Preparation: 3550C Sonication Extract Initial/Final: 29.8 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	95	12	17	34	**B**
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	16	4.0	17	170	**J**
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	687	578	84	33 - 113	
Phenol-d6	687	617	90	30 - 115	
Nitrobenzene-d5	343	340	99	33 - 131	
2-Fluorobiphenyl	343	351	102	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB8-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-02
File ID: 1410014-02.D
Sampled: 09/29/14 09:41
Prepared: 10/02/14 07:41
Analyzed: 10/10/14 16:52
Solids: 97.76
Preparation: 3550C Sonication Extract
Initial/Final: 29.8 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	687	573	84	12 - 124	
o-Terphenyl	343	395	115	20 - 155	

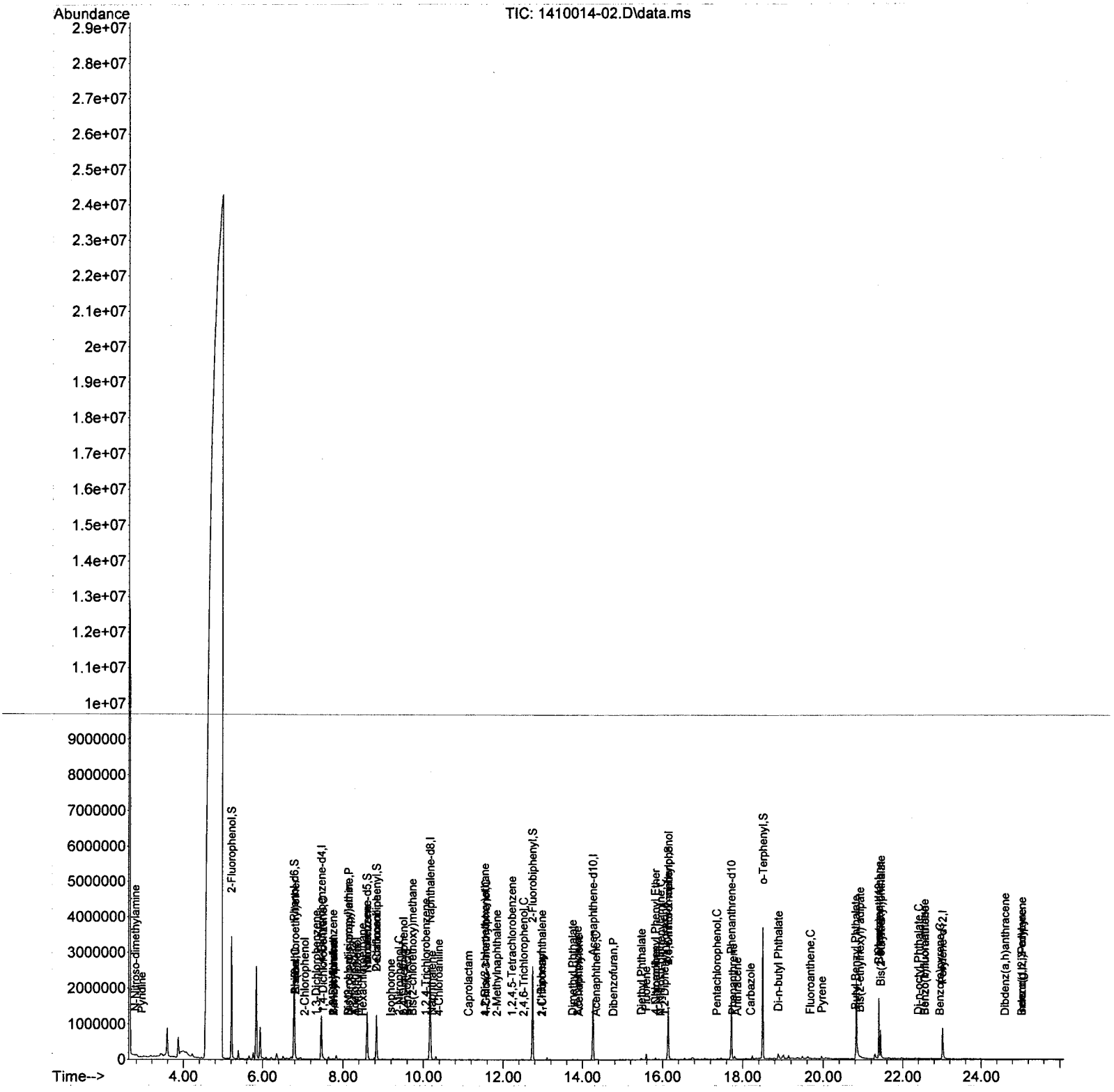
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	375747	7.459	403279	7.614	
Naphthalene-d8	1369573	10.169	1529030	10.359	
Acenaphthene-d10	723219	14.267	866604	14.474	
Phenanthrene-d10	1016966	17.717	1400442	17.901	
Chrysene-d12	710880	21.389	1153654	21.538	
Perylene-d12	519131	23.01	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-02.D
Acq On : 10 Oct 2014 16:52
Operator : JLB
Sample : 1410014-02 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:57:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



003265

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-02.D
Acq On : 10 Oct 2014 16:52
Operator : JLB
Sample : 1410014-02 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:57:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	375747	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.169	136	1369573	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.267	164	723219	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.717	188	1016966	5.00	ng/uL	0.00
81) Chrysene-d12	21.389	240	710880	5.00	ng/uL	# 0.00
89) Perylene-d12	23.010	264	519131	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.209	112	1446320	16.85	ng/uL	0.20
6) Phenol-d6	6.788	99	1997796	17.98	ng/uL	0.05
21) Nitrobenzene-d5	8.601	82	867258	9.91	ng/uL	0.00
23) Decafluorobiphenyl	8.834	334	550089	8.96	ng/uL	0.00
47) 2-Fluorobiphenyl	12.739	172	1528659	10.23	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.143	330	257658	16.70	ng/uL	-0.01
78) o-Terphenyl	18.504	230	1003566	11.51	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.778	74	6719	0.12	ng/uL#	1
3) Pyridine	2.942	79	699	0.01	ng/uL#	37
5) Aniline	6.806	93	2050	0.24	ng/uL#	1
7) Phenol	6.806	94	58304	0.46	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.806	93	2050	0.02	ng/uL#	1
9) 2-Chlorophenol	7.045	128	198	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.330	146	1824	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.494	146	753	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.750	146	290	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.129	45	797	0.00	ng/uL	91
14) Benzyl Alcohol	7.762	108	1245	0.02	ng/uL	93
15) 2-Methylphenol	7.762	108	1245	0.01	ng/uL#	1
16) Acetophenone	8.292	105	2647	0.02	ng/uL	95
17) Hexachloroethane	8.485	119	431	0.01	ng/uL#	3
18) 4-Methylphenol	8.345	108	487	0.01	ng/uL#	6
19) N-Nitroso-di-n-propyla...	8.141	70	1229	0.02	ng/uL#	1
22) Nitrobenzene	8.607	77	3715	0.04	ng/uL#	1
24) Isophorone	9.184	82	1716	0.01	ng/uL#	92
25) 2-Chloroaniline	8.834	127	8093	0.07	ng/uL#	59
26) 2-Nitrophenol	9.394	139	192	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.505	107	171	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.726	93	70	0.00	ng/uL	90
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.586	105	2515m	2.49	ng/uL	
31) 1,2,4-Trichlorobenzene	10.058	180	1083	0.01	ng/uL	93
32) Naphthalene	10.210	128	1314	0.00	ng/uL#	1
33) 4-Chloroaniline	10.379	127	565	0.01	ng/uL#	22
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.125	55	13490	0.34	ng/uL#	33
37) 1,2-Bis(2-chloroethoxy...	11.539	63	112	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.562	107	340	0.00	ng/uL#	15
39) 2-Methylnaphthalene	11.836	142	426	0.00	ng/uL#	78
40) 1-Methylnaphthalene	0.000		0	N.D.		
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-02.D
Acq On : 10 Oct 2014 16:52
Operator : JLB
Sample : 1410014-02 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:57:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.221	216	57	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	12.512	196	122	0.00 ng/uL#	10
46) 2,4,5-Trichlorophenol	12.512	196	122	0.00 ng/uL#	11
48) 2-Chloronaphthalene	12.973	162	62	0.00 ng/uL#	35
49) 1,1'-Biphenyl	12.955	154	1322	0.01 ng/uL#	77
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.911	152	282	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.876	165	227	0.01 ng/uL#	31
53) Dimethyl Phthalate	13.754	163	11186	0.07 ng/uL	94
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.337	153	168	0.00 ng/uL#	39
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.762	168	142	0.00 ng/uL	89
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.584	166	122	0.00 ng/uL#	1
63) Diethyl Phthalate	15.467	149	13839	0.09 ng/uL	100
64) 4-Chlorophenyl Phenyl ...	15.817	204	1510	0.02 ng/uL#	17
65) 4-Nitroaniline	15.829	138	475	0.02 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.143	198	687	1.01 ng/uL#	1
68) N-Nitroso-diphenylamine	15.945	169	213	0.00 ng/uL#	47
69) 1,2-Diphenylhydrazine	16.050	182	1058	0.03 ng/uL#	55
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.356	266	197	0.01 ng/uL#	1
75) Phenanthrene	17.758	178	2578	0.01 ng/uL	99
76) Anthracene	17.863	178	449	0.00 ng/uL#	82
77) Carbazole	18.195	167	692	0.00 ng/uL#	32
79) Di-n-butyl Phthalate	18.889	149	24470	0.13 ng/uL#	93
80) Fluoroanthene	19.676	202	1619	0.01 ng/uL#	77
82) Pyrene	19.961	202	2102	0.01 ng/uL#	10
83) Butyl Benzyl Phthalate	20.806	149	6427m	0.10 ng/uL	
84) Bis(2-ethylhexyl) adipate	20.911	129	1904	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.395	228	3312	0.03 ng/uL#	1
86) Chrysene	21.395	228	3312	0.03 ng/uL#	88
87) Bis(2-ethylhexyl)phtha...	21.436	149	236457	2.77 ng/uL	94
88) Di-n-octyl Phthalate	22.398	149	31753	0.54 ng/uL#	76
90) Benzo(b)fluoroanthene	22.549	252	320	0.00 ng/uL#	1
91) Benzo(k)fluoranthene	22.561	252	447	0.00 ng/uL#	48
92) Benzo(a)pyrene	22.940	252	596	0.01 ng/uL#	49
93) Indeno(1,2,3-cd)pyrene	25.032	276	916	0.01 ng/uL	95
94) Dibdenz(a,h)anthracene	24.601	278	197	0.00 ng/uL#	66
95) Benzo(g,h,i)Perylene	25.032	276	916	0.01 ng/uL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-02.D
Acq On : 10 Oct 2014 16:52
Operator : JLB
Sample : 1410014-02 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:47:20 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

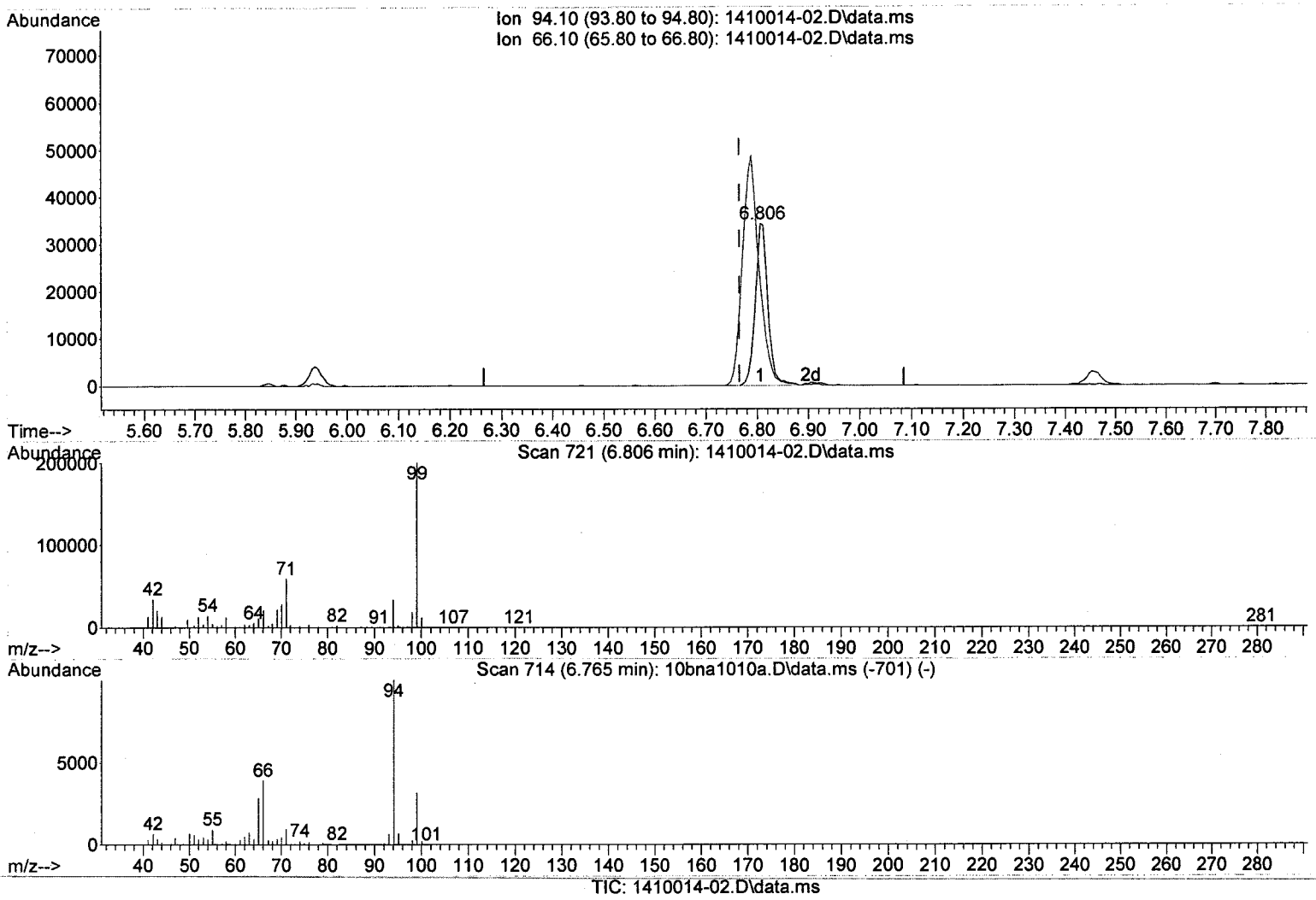
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	366279	5.00	ng/uL	# 0.03
8) Naphthalene-d8	10.169	136	1369573	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.267	164	723219	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.717	188	1016966	5.00	ng/uL	0.00
19) Chrysene-d12	21.389	240	710880	5.00	ng/uL	# 0.00
22) Perylene-d12	23.010	264	519131	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.907	74	2300	0.04	ng/uL	90
3) Pyridine	3.046	79	1754	0.02	ng/uL	97
4) Aniline	6.806	93	2050	0.01	ng/uL#	1
5) Benzaldehyde	6.567	105	5170	0.06	ng/uL#	79
6) Acetophenone	8.292	105	2647	0.02	ng/uL	95
7) N-Nitroso-di-n-propyla...	8.316	70	1165	0.02	ng/uL#	2
9) 4-Chloroaniline	10.379	127	565	0.02	ng/uL#	22
10) Caprolactam	11.142	55	1811	0.14	ng/uL#	46
12) 1,1'-Biphenyl	12.955	154	1322	0.01	ng/uL#	77
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	15.829	138	475	Below Cal	#	1
17) N-Nitroso-diphenylamine	15.945	169	213	0.00	ng/uL#	47
18) Atrazine	0.000		0	N.D.		
20) Benzidine	20.089	184	122	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-02.D
Acq On : 10 Oct 2014 16:52
Operator : JLB
Sample : 1410014-02 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:56:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-02.D\data.ms

(7) Phenol (C)

6.806min (+ 0.041) 0.46 ng/uL

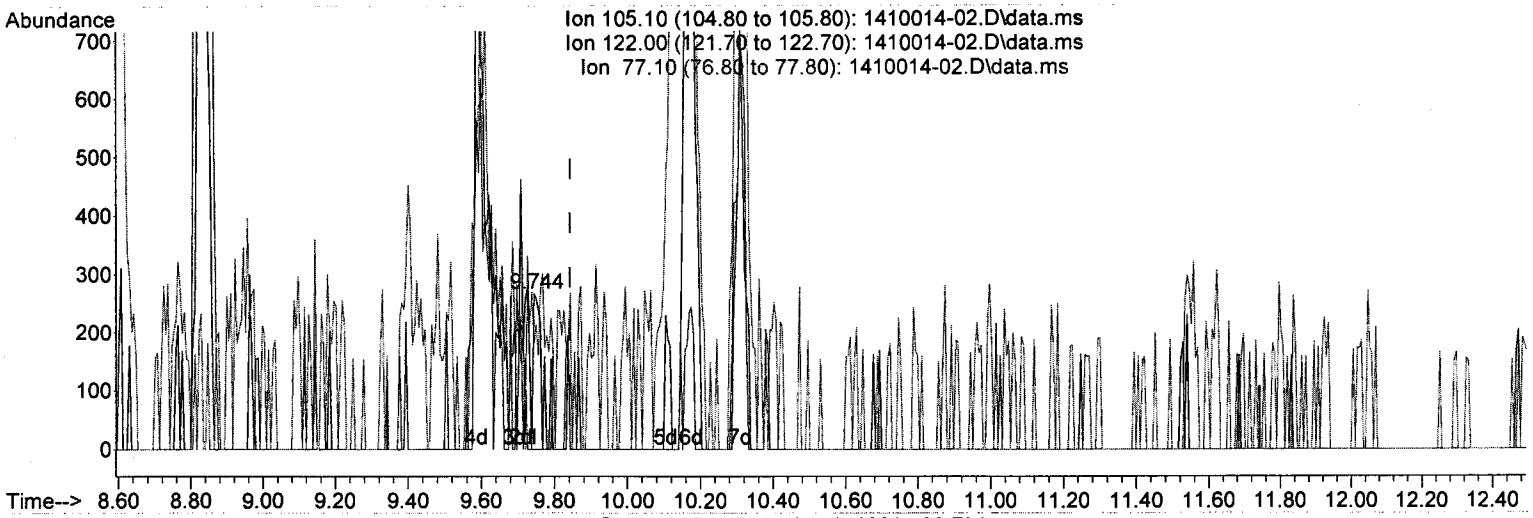
response 58304

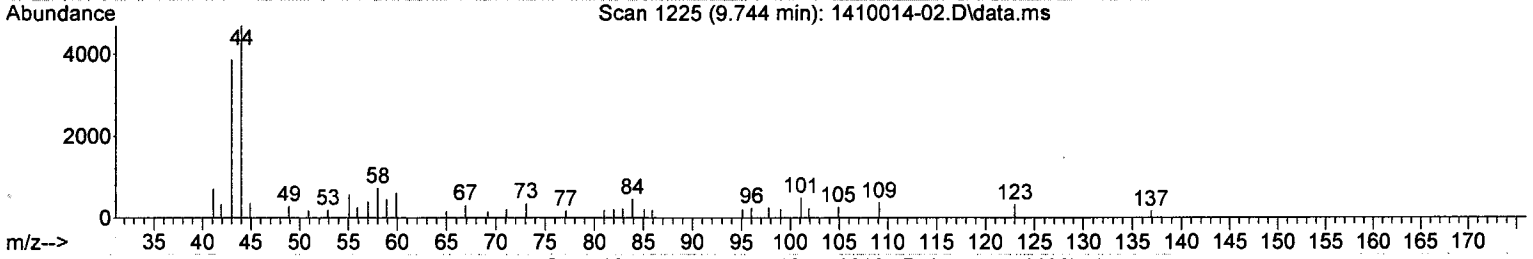
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	188.45#
0.00	0.00	0.00
0.00	0.00	0.00

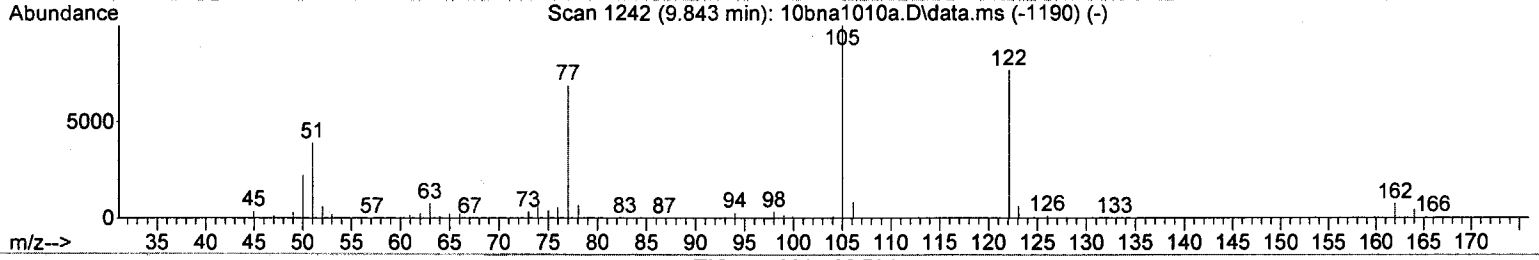
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-02.D
Acq On : 10 Oct 2014 16:52
Operator : JLB
Sample : 1410014-02 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:56:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-02.D\data.ms

(30) Benzoic Acid

9.744min (-0.099) 2.46 ng/uL

response 398

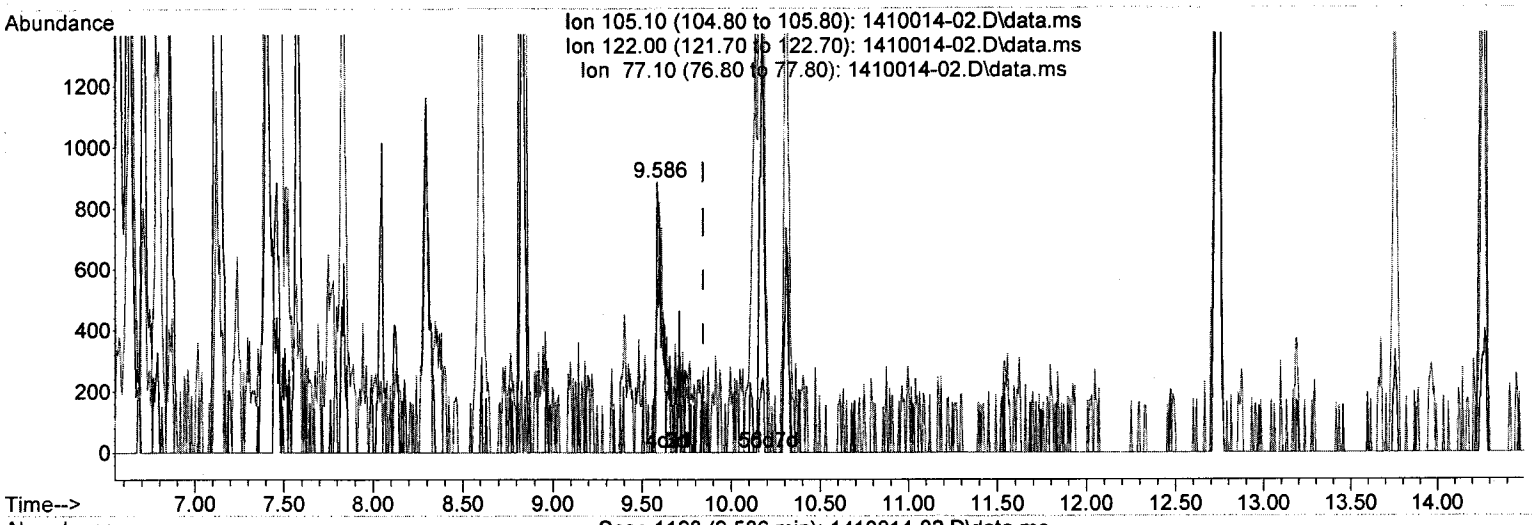
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	120.35#
0.00	0.00	0.00

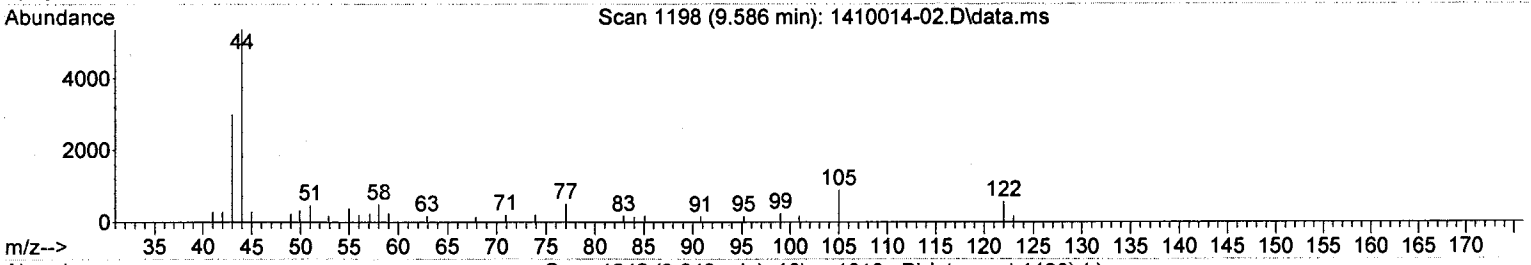
JWB 10/15/14

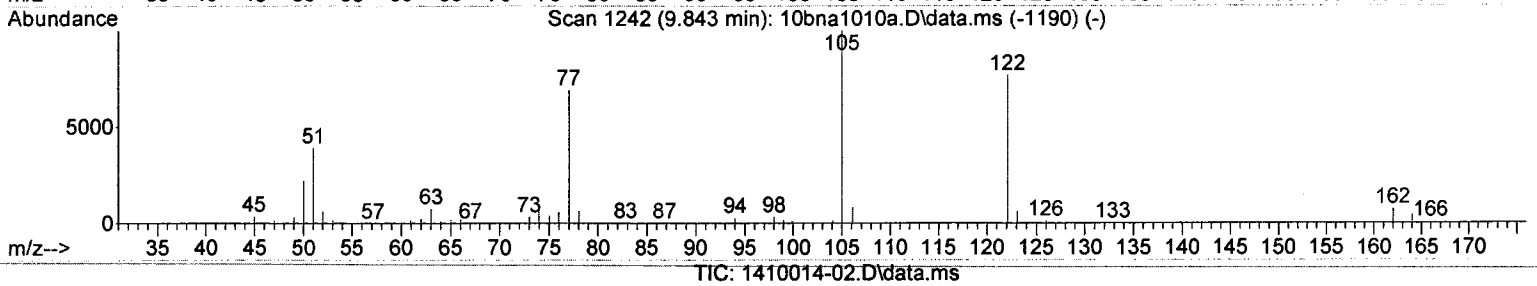
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-02.D
Acq On : 10 Oct 2014 16:52
Operator : JLB
Sample : 1410014-02 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:56:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-02.D\data.ms

(30) Benzoic Acid

9.586min (-0.257) 2.49 ng/uL m

response 2515

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	19.05#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: [illegible] Date: 10/15/14

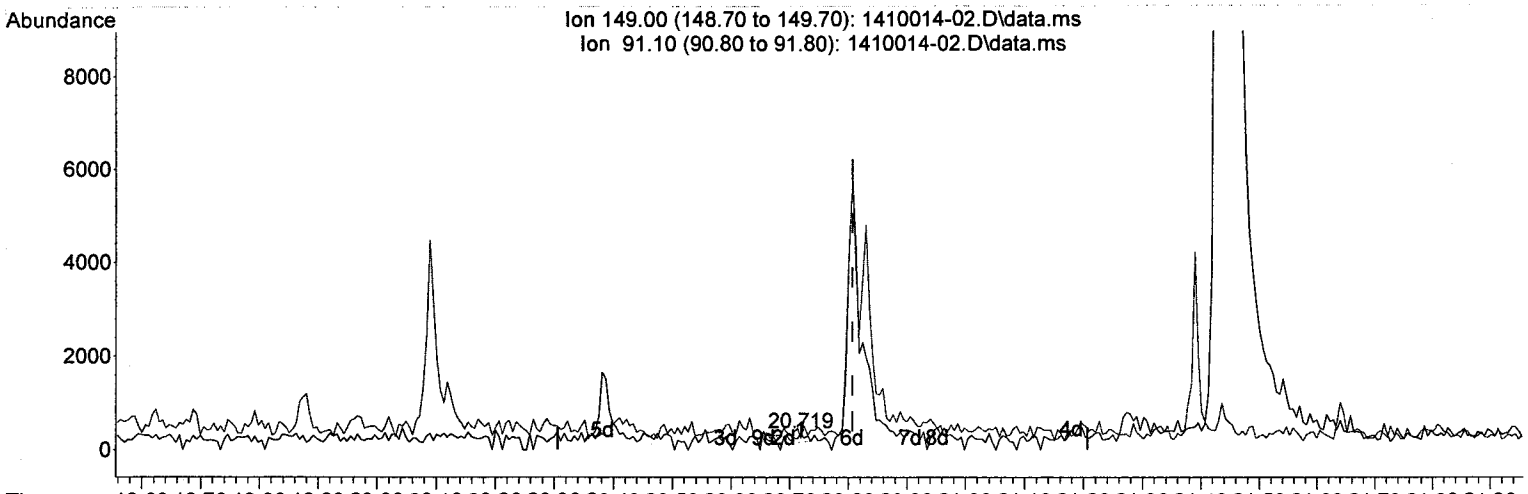
Reviewed By: ASC Date: 10/21/14

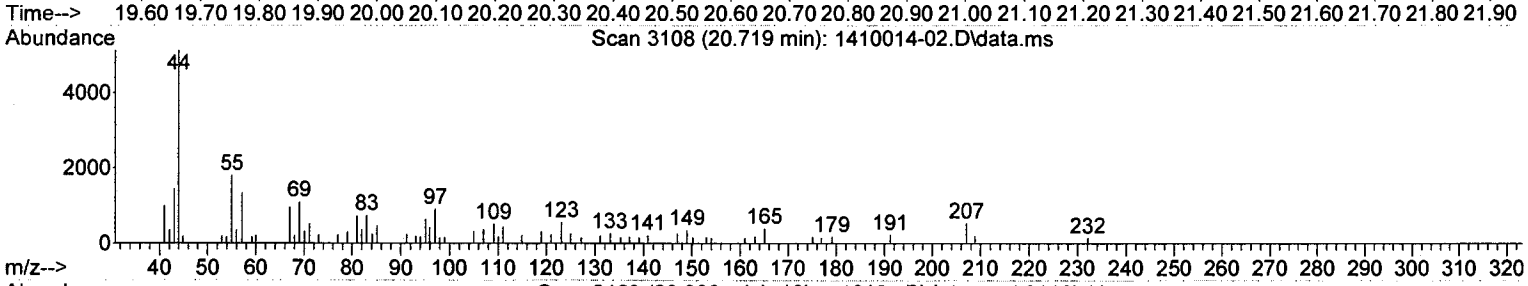
003271

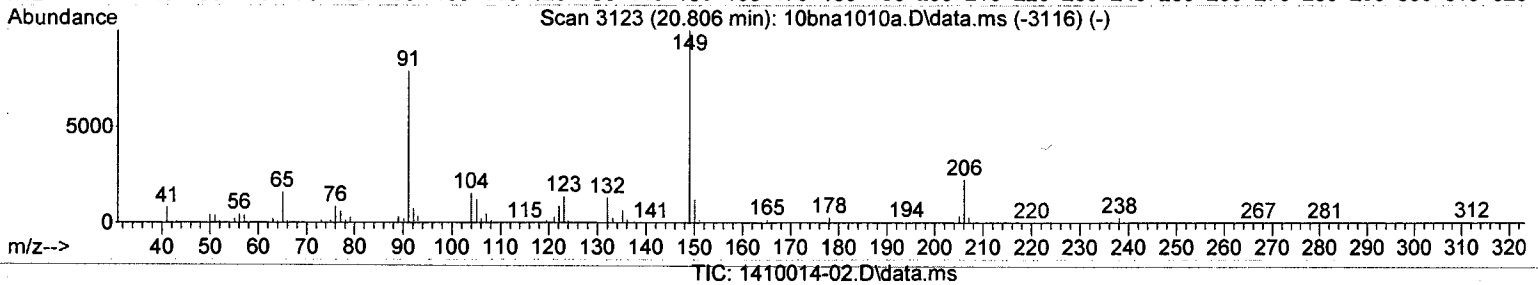
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-02.D
Acq On : 10 Oct 2014 16:52
Operator : JLB
Sample : 1410014-02 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:56:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-02.D\data.ms

(83) Butyl Benzyl Phthalate

20.719min (-0.088) 0.00 ng/uL

response 139

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	82.01
0.00	0.00	0.00
0.00	0.00	0.00

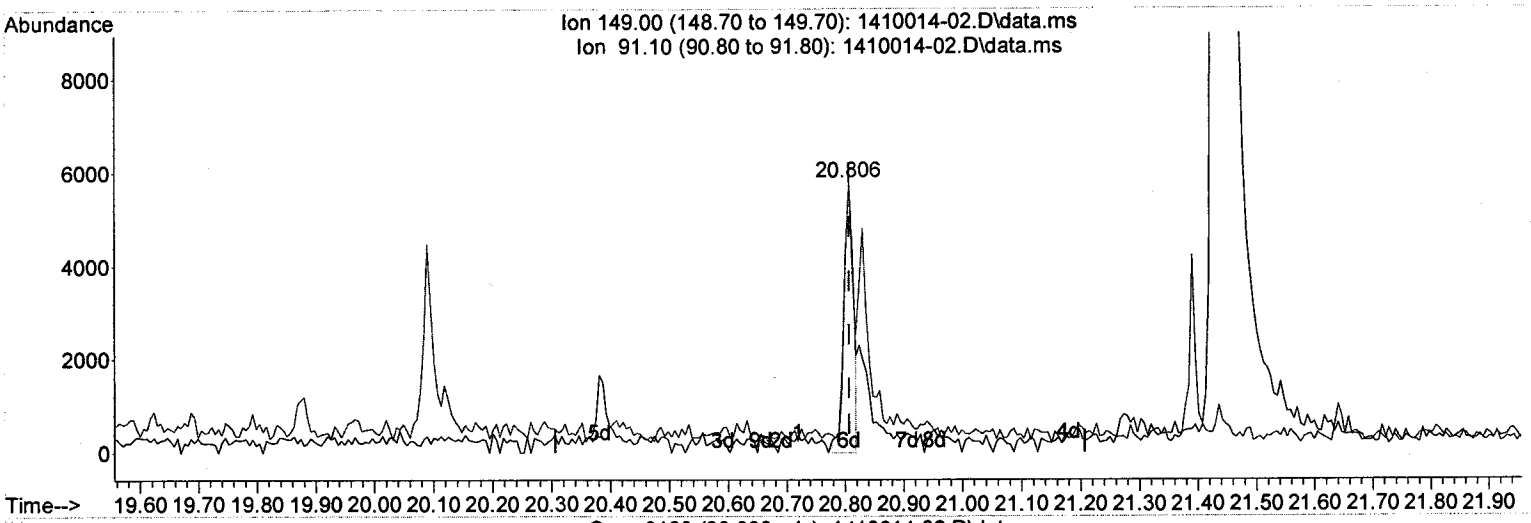
JLB 10/15/14

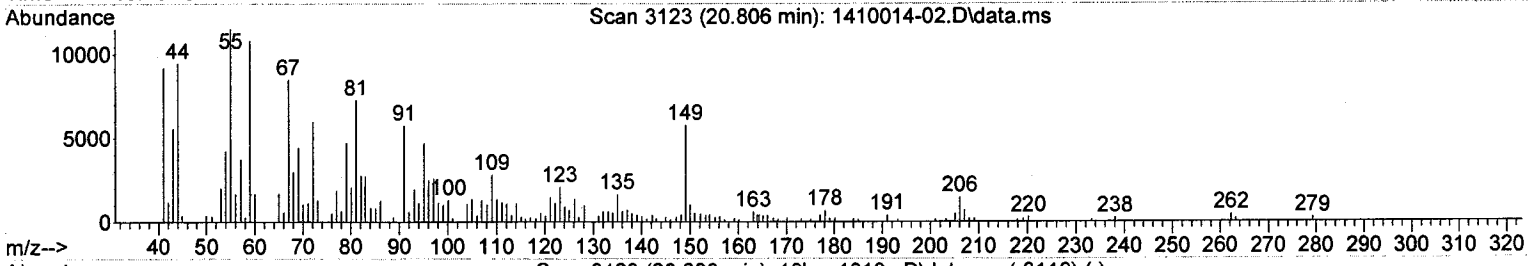
003272

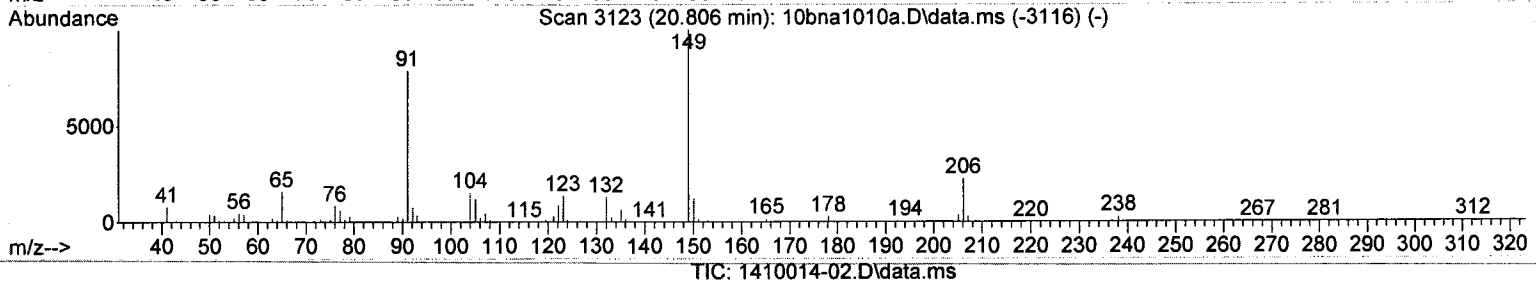
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-02.D
Acq On : 10 Oct 2014 16:52
Operator : JLB
Sample : 1410014-02 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:56:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-02.D\data.ms

(83) Butyl Benzyl Phthalate

20.806min (-0.000) 0.10 ng/uL m

response 6427

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	1.77#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

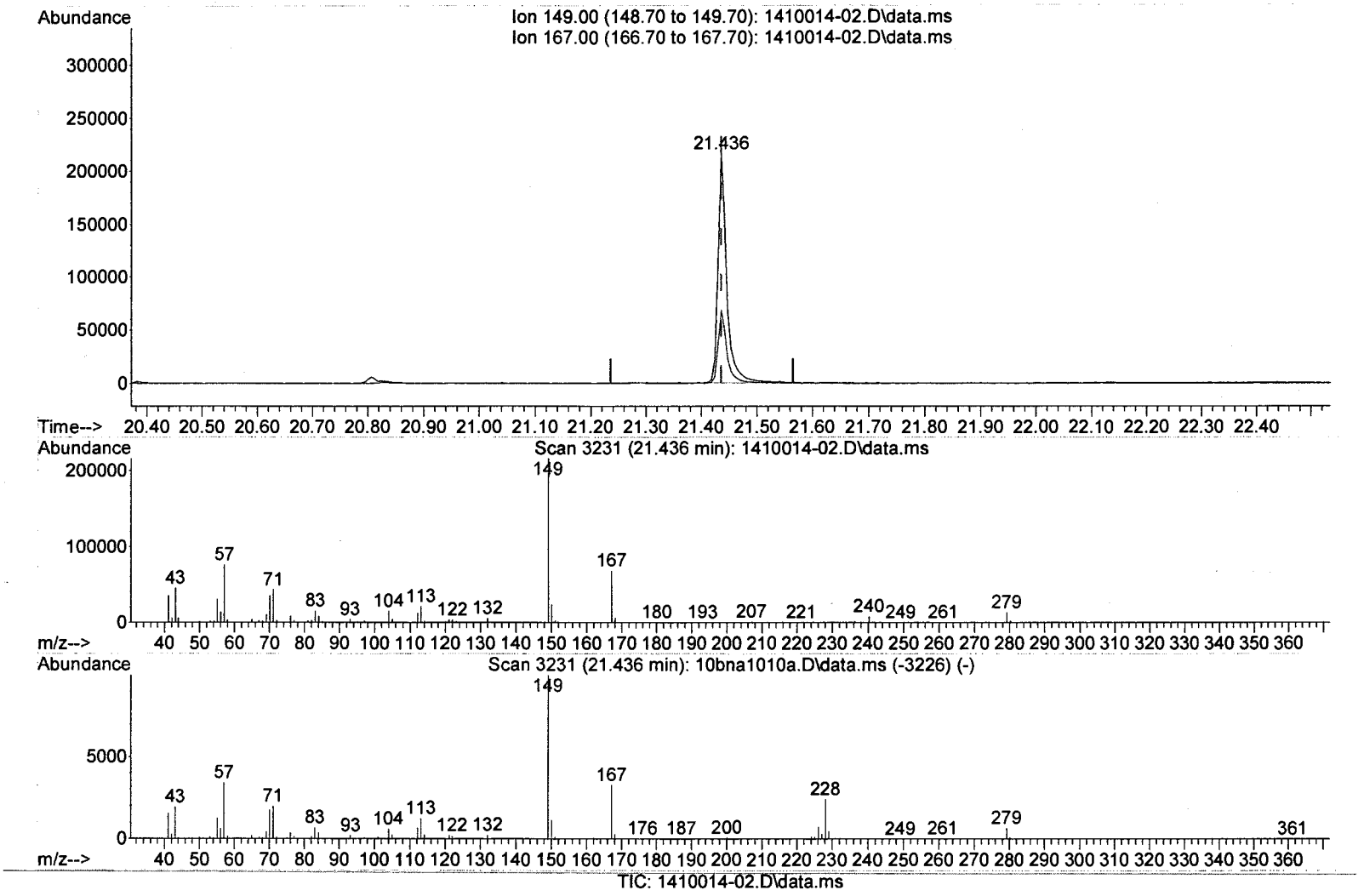
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: HSC Date: 10/21/14

CMDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-02.D
Acq On : 10 Oct 2014 16:52
Operator : JLB
Sample : 1410014-02 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:56:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-02.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.436min (-0.000) 2.77 ng/uL

response 236457

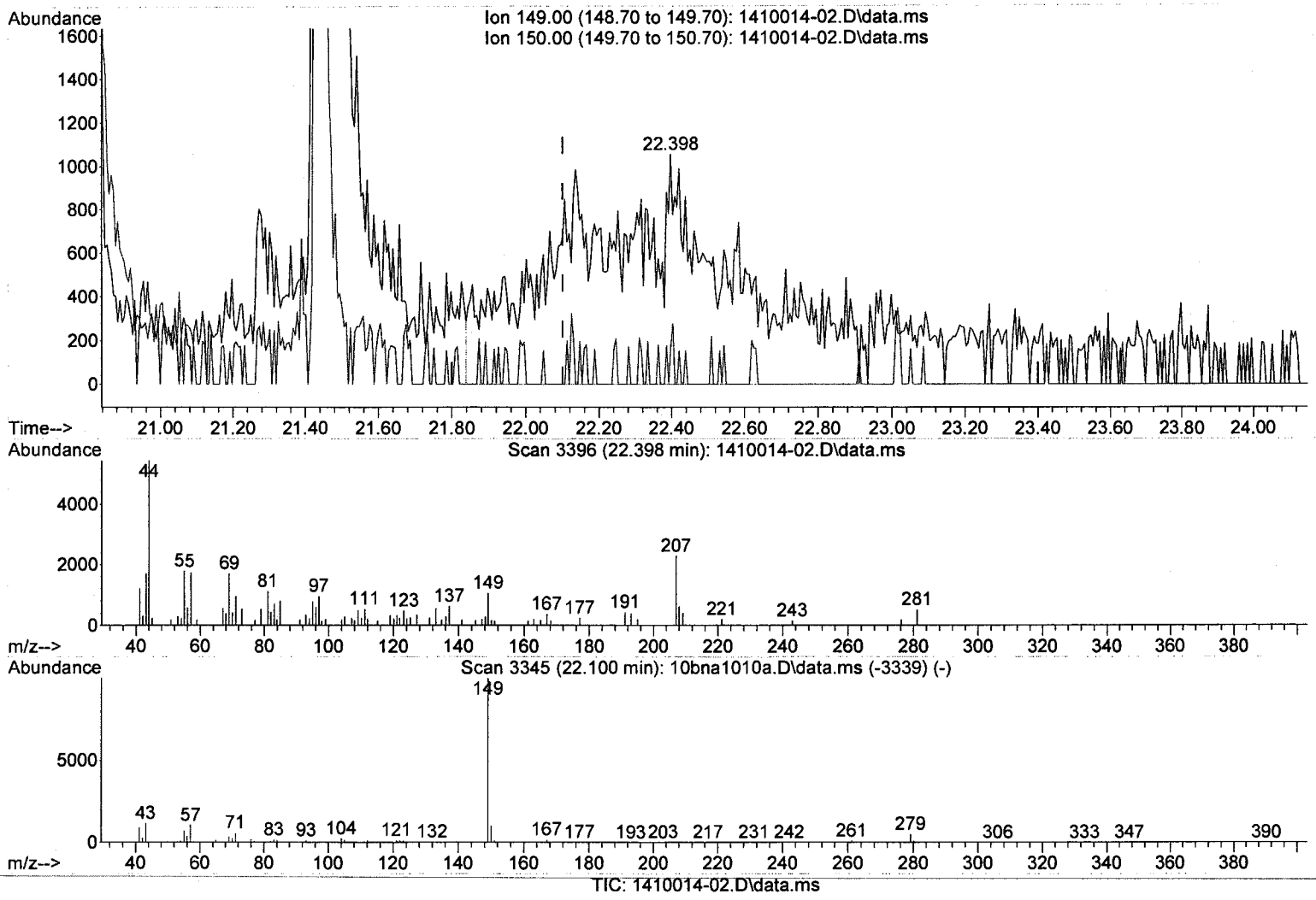
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	32.51
0.00	0.00	0.00
0.00	0.00	0.00

003274

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-02.D
Acq On : 10 Oct 2014 16:52
Operator : JLB
Sample : 1410014-02 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:56:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-02.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.398min (+ 0.297) 0.54 ng/uL

response 31753

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.68#
0.00	0.00	0.00
0.00	0.00	0.00

PP

003275

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB9-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-03 File ID: 1410014-03.D

Sampled: 09/29/14 11:11 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 17:56

Solids: 97.69 Preparation: 3550C Sonication Extract Initial/Final: 29.6 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	170	71	170	340	U
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB9-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-03 File ID: 1410014-03.D

Sampled: 09/29/14 11:11 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 17:56

Solids: 97.69 Preparation: 3550C Sonication Extract Initial/Final: 29.6 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	64	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	5.5	4.0	17	170	J
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	692	548	79	33 - 113	
Phenol-d6	692	607	88	30 - 115	
Nitrobenzene-d5	346	329	95	33 - 131	
2-Fluorobiphenyl	346	335	97	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB9-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-03 File ID: 1410014-03.D

Sampled: 09/29/14 11:11 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 17:56

Solids: 97.69 Preparation: 3550C Sonication Extract Initial/Final: 29.6 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	692	252	36	12 - 124	
o-Terphenyl	346	362	105	20 - 155	

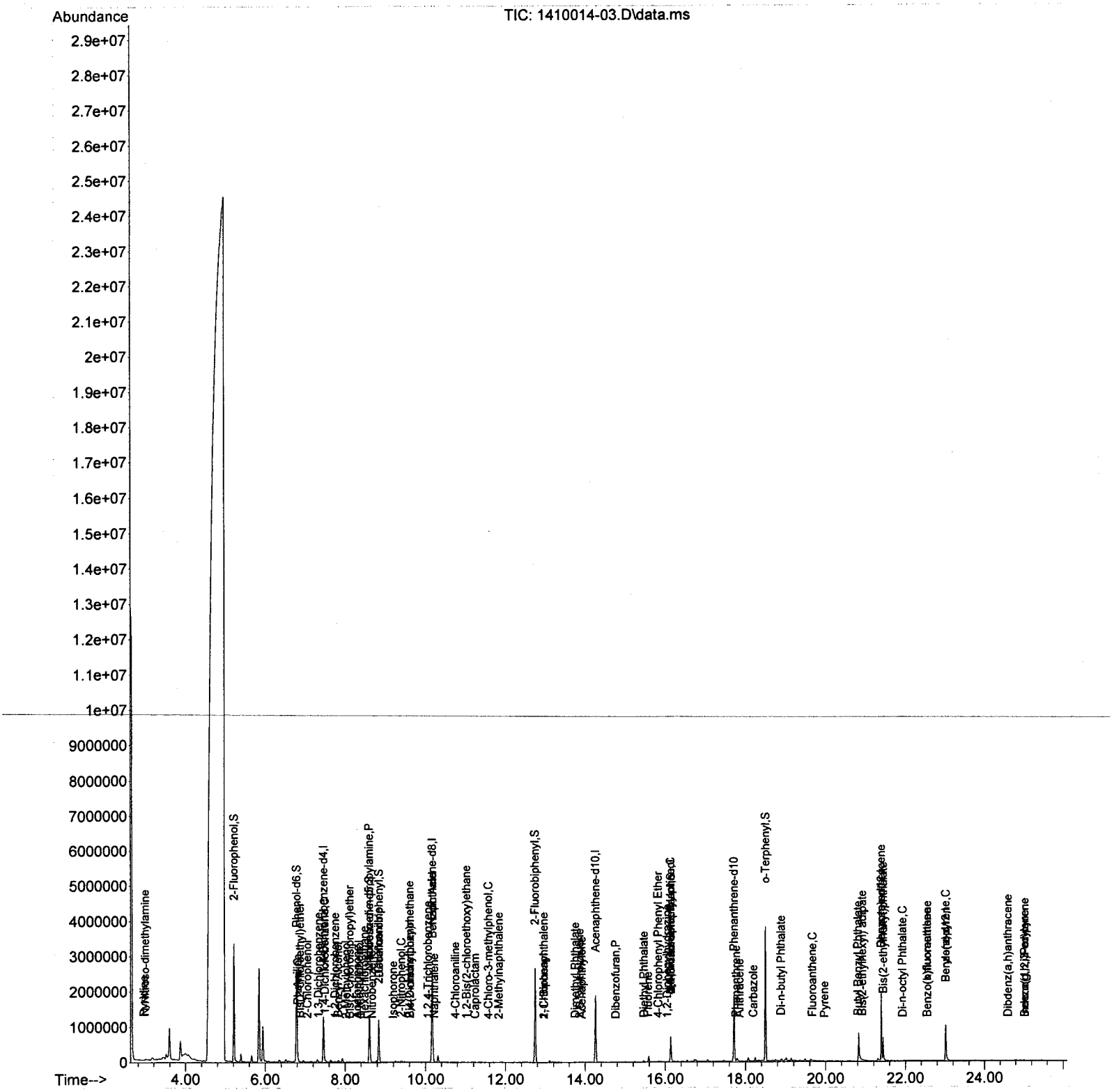
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	391218	7.459	403279	7.614	
Naphthalene-d8	1465558	10.169	1529030	10.359	
Acenaphthene-d10	794799	14.267	866604	14.474	
Phenanthrene-d10	1148855	17.717	1400442	17.901	
Chrysene-d12	850368	21.389	1153654	21.538	
Perylene-d12	613194	23.015	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-03.D
Acq On : 10 Oct 2014 17:56
Operator : JLB
Sample : 1410014-03 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 09:00:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



003379

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-03.D
Acq On : 10 Oct 2014 17:56
Operator : JLB
Sample : 1410014-03 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 09:00:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	391218	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.169	136	1465558	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.267	164	794799	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.717	188	1148855	5.00	ng/uL	0.00
81) Chrysene-d12	21.389	240	850368	5.00	ng/uL	# 0.00
89) Perylene-d12	23.015	264	613194	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.215	112	1417686	15.86	ng/uL	0.21
6) Phenol-d6	6.788	99	2031046	17.55	ng/uL	0.05
21) Nitrobenzene-d5	8.601	82	891279	9.51	ng/uL	0.00
23) Decafluorobiphenyl	8.840	334	546551	8.32	ng/uL	0.00
47) 2-Fluorobiphenyl	12.740	172	1589413	9.68	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.143	330	126983	7.29	ng/uL	-0.01
78) o-Terphenyl	18.504	230	1031802	10.48	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.977	74	277	0.00	ng/uL#	1
3) Pyridine	2.947	79	423	0.00	ng/uL#	14
5) Aniline	6.806	93	543	0.23	ng/uL#	1
7) Phenol	6.812	94	21461	0.16	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.870	93	229	0.00	ng/uL#	31
9) 2-Chlorophenol	7.051	128	237	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.331	146	2447	0.02	ng/uL#	12
11) 1,4-Dichlorobenzene	7.488	146	1099	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.750	146	432	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.117	45	591	0.00	ng/uL	99
14) Benzyl Alcohol	7.820	108	180	0.00	ng/uL	96
15) 2-Methylphenol	8.018	108	138	0.00	ng/uL#	65
16) Acetophenone	8.298	105	1804	0.01	ng/uL#	93
17) Hexachloroethane	8.479	119	831	0.02	ng/uL#	3
18) 4-Methylphenol	8.351	108	145	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.601	70	114865	~~1.63~~	ng/uL#	5
22) Nitrobenzene	8.659	77	67	0.00	ng/uL#	1
24) Isophorone	9.190	82	1809	0.01	ng/uL#	80
25) 2-Chloroaniline	8.829	127	7178	0.06	ng/uL#	59
26) 2-Nitrophenol	9.394	139	542	0.01	ng/uL#	1
27) 2,4-Dimethylphenol	9.610	107	1436	0.02	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.610	93	2169	0.02	ng/uL#	29
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	10.175	105	2728	~~2.49~~	ng/uL#	1
31) 1,2,4-Trichlorobenzene	10.058	180	1352	0.02	ng/uL#	79
32) Naphthalene	10.216	128	934	0.00	ng/uL#	1
33) 4-Chloroaniline	10.746	127	3114	0.04	ng/uL#	30
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.236	55	3104	0.07	ng/uL#	35
37) 1,2-Bis(2-chloroethoxy...	11.026	63	145	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.574	107	206	0.00	ng/uL#	1
39) 2-Methylnaphthalene	11.830	142	62	0.00	ng/uL#	29
40) 1-Methylnaphthalene	0.000		0	N.D.		
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-03.D
Acq On : 10 Oct 2014 17:56
Operator : JLB
Sample : 1410014-03 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 09:00:18 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	12.955	162	339	0.00 ng/uL#	51
49) 1,1'-Biphenyl	12.955	154	1010	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.917	152	75	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.864	165	186	0.00 ng/uL#	1
53) Dimethyl Phthalate	13.754	163	10723	0.06 ng/uL#	85
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	0.000		0	N.D.	
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.762	168	85	0.00 ng/uL#	37
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.572	166	66	0.00 ng/uL#	1
63) Diethyl Phthalate	15.467	149	11111	0.07 ng/uL	92
64) 4-Chlorophenyl Phenyl ...	15.823	204	561	0.01 ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	16.138	198	282	RT 1.00 ng/uL#	1
68) N-Nitroso-diphenylamine	16.138	169	5488	0.04 ng/uL#	31
69) 1,2-Diphenylhydrazine	16.050	182	880	0.02 ng/uL#	58
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	0.000		0	N.D.	
75) Phenanthrene	17.764	178	1842	0.01 ng/uL#	81
76) Anthracene	17.851	178	224	0.00 ng/uL#	1
77) Carbazole	18.195	167	397	0.00 ng/uL#	33
79) Di-n-butyl Phthalate	18.889	149	25780	0.12 ng/uL	96
80) Fluoroanthene	19.664	202	577	0.00 ng/uL#	62
82) Pyrene	19.967	202	493	0.00 ng/uL#	91
83) Butyl Benzyl Phthalate	20.806	149	4340m	0.05 ng/uL	
84) Bis(2-ethylhexyl) adipate	20.911	129	2343	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.389	228	2424	0.02 ng/uL#	1
86) Chrysene	21.389	228	2424	0.02 ng/uL#	71
87) Bis(2-ethylhexyl)phtha...	21.436	149	189487	1.86 ng/uL	92
88) Di-n-octyl Phthalate	21.925	149	1624	pp 0.35 ng/uL#	83
90) Benzo(b)fluoroanthene	22.549	252	149	0.00 ng/uL#	56
91) Benzo(k)fluoranthene	22.549	252	149	0.00 ng/uL#	58
92) Benzo(a)pyrene	23.015	252	1837	0.02 ng/uL#	1
93) Indeno(1,2,3-cd)pyrene	25.026	276	671	0.01 ng/uL#	61
94) Dibdenz(a,h)anthracene	24.595	278	287	0.00 ng/uL#	60
95) Benzo(g,h,i)Perylene	25.026	276	671	0.01 ng/uL#	63

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-03.D
Acq On : 10 Oct 2014 17:56
Operator : JLB
Sample : 1410014-03 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 08:48:02 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

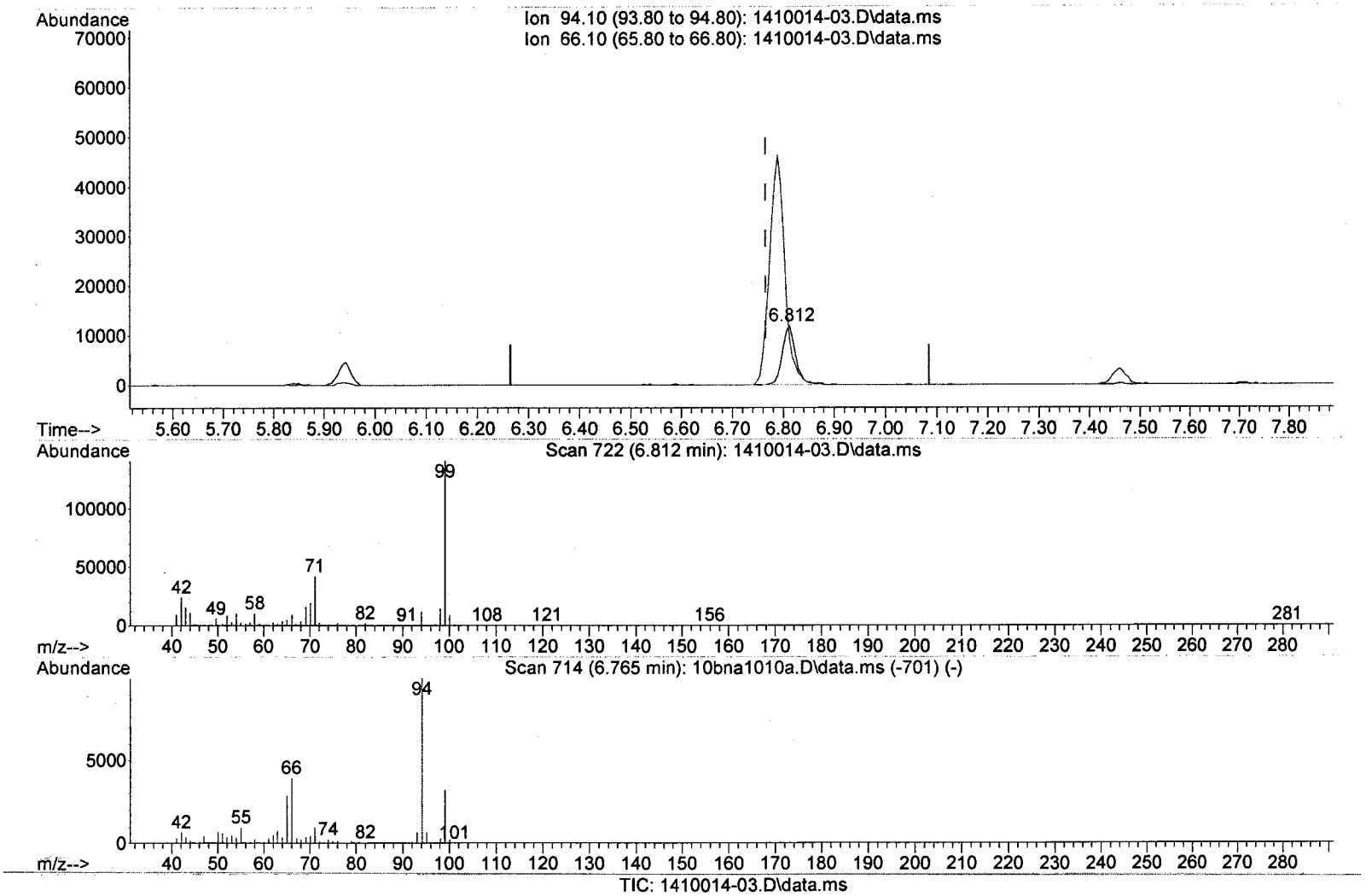
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.459	152	382128	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.169	136	1465558	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.267	164	793745	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.717	188	1148855	5.00	ng/uL		0.00
19) Chrysene-d12	21.389	240	850368	5.00	ng/uL	#	0.00
22) Perylene-d12	23.015	264	613194	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.977	74	277	0.00	ng/uL	#	1
3) Pyridine	3.047	79	1396	0.01	ng/uL		98
4) Aniline	6.806	93	543	0.00	ng/uL	#	1
5) Benzaldehyde	6.567	105	6509	0.08	ng/uL	#	83
6) Acetophenone	8.298	105	1804	0.01	ng/uL	#	93
7) N-Nitroso-di-n-propyla...	8.129	70	735	0.01	ng/uL		89
9) 4-Chloroaniline	10.373	127	416	0.01	ng/uL	#	79
10) Caprolactam	11.142	55	911	0.12	ng/uL	#	24
12) 1,1'-Biphenyl	12.955	154	1010	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.829	138	53	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.138	169	5488	0.04	ng/uL	#	31
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.489	184	174	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-03.D
Acq On : 10 Oct 2014 17:56
Operator : JLB
Sample : 1410014-03 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 08:59:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-03.D\data.ms

(7) Phenol (C)

6.812min (+ 0.047) 0.16 ng/uL

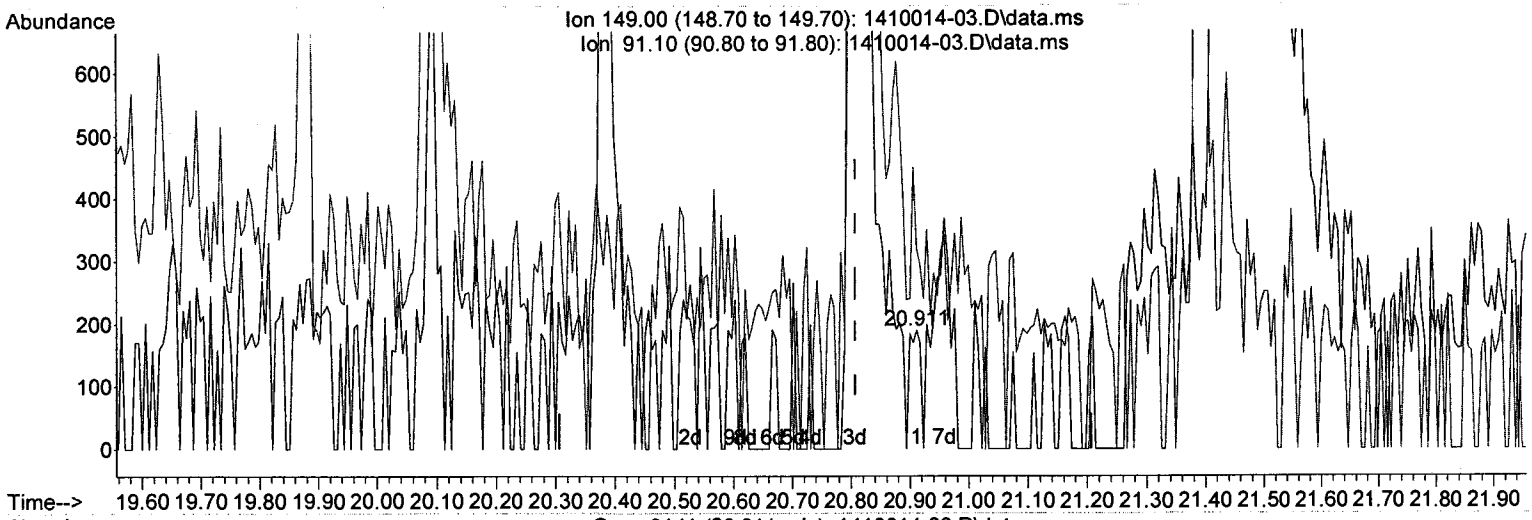
response 21461

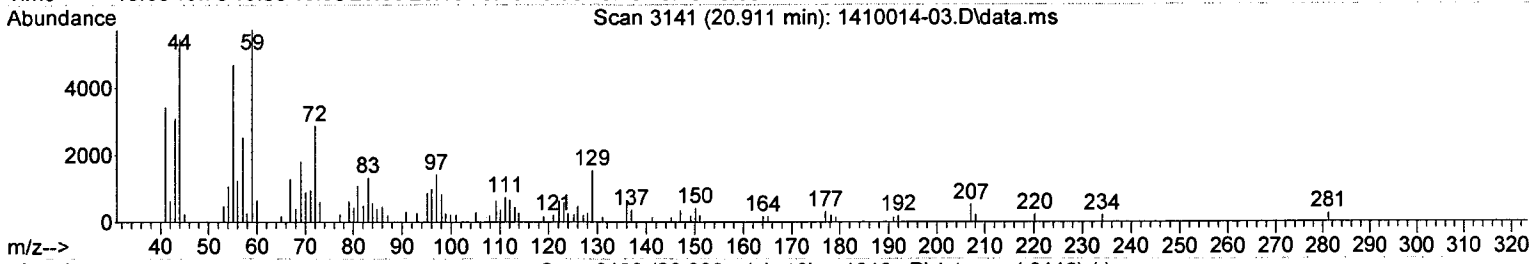
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	449.29#
0.00	0.00	0.00
0.00	0.00	0.00

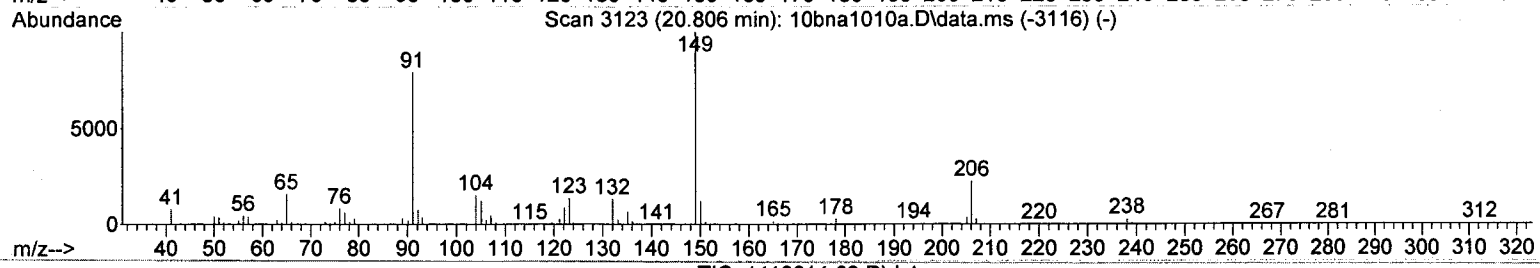
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-03.D
Acq On : 10 Oct 2014 17:56
Operator : JLB
Sample : 1410014-03 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 08:59:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-03.D\data.ms

(83) Butyl Benzyl Phthalate

20.911min (+ 0.105) 0.00 ng/uL

response 249

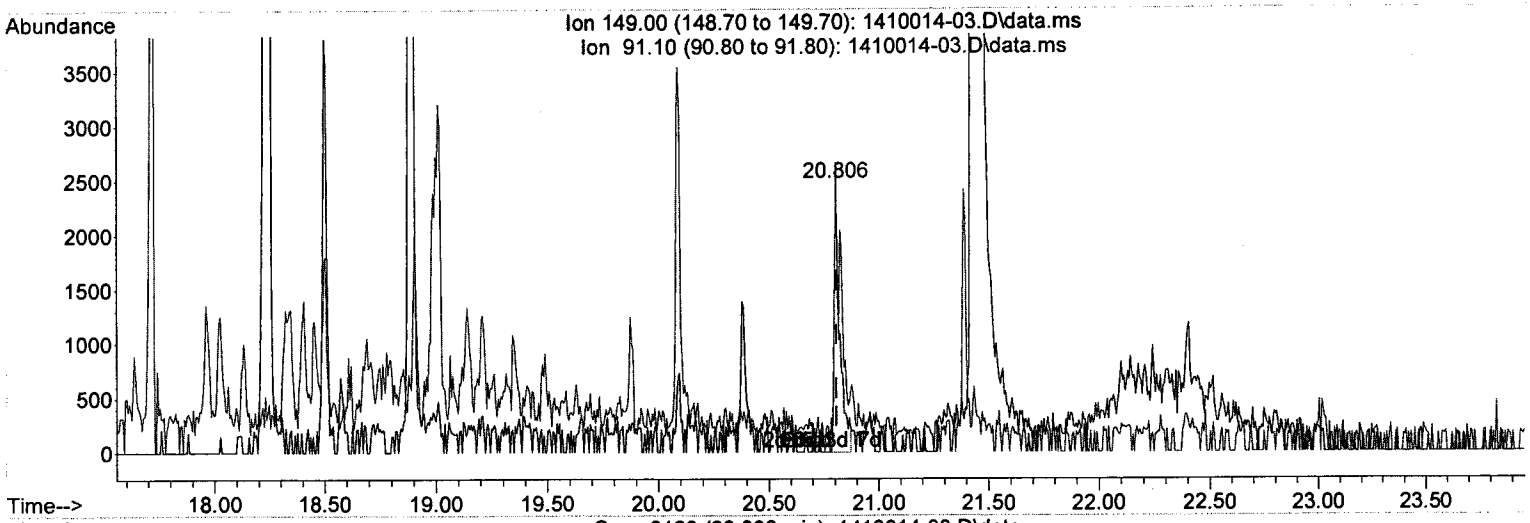
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	79.92
0.00	0.00	0.00
0.00	0.00	0.00

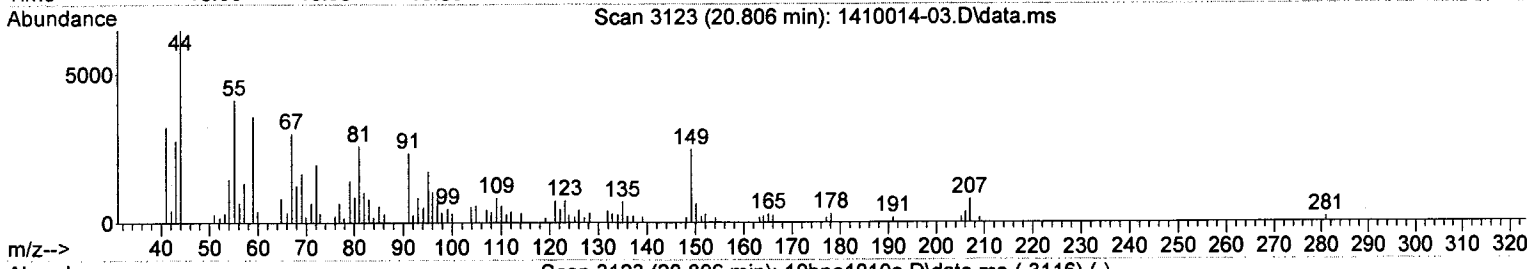
JW 10/15/14

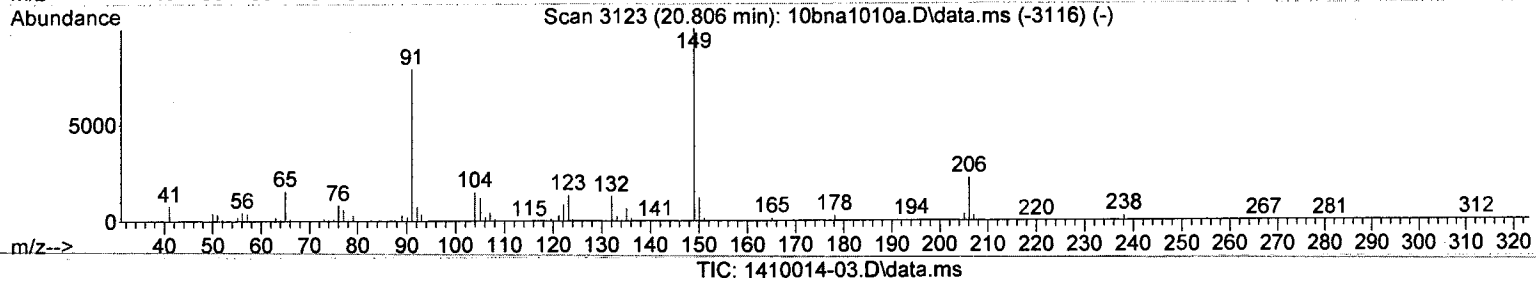
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-03.D
Acq On : 10 Oct 2014 17:56
Operator : JLB
Sample : 1410014-03 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 08:59:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-03.D\data.ms

(83) Butyl Benzyl Phthalate

20.806min (-0.000) 0.05 ng/uL m

response 4340

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	4.59#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

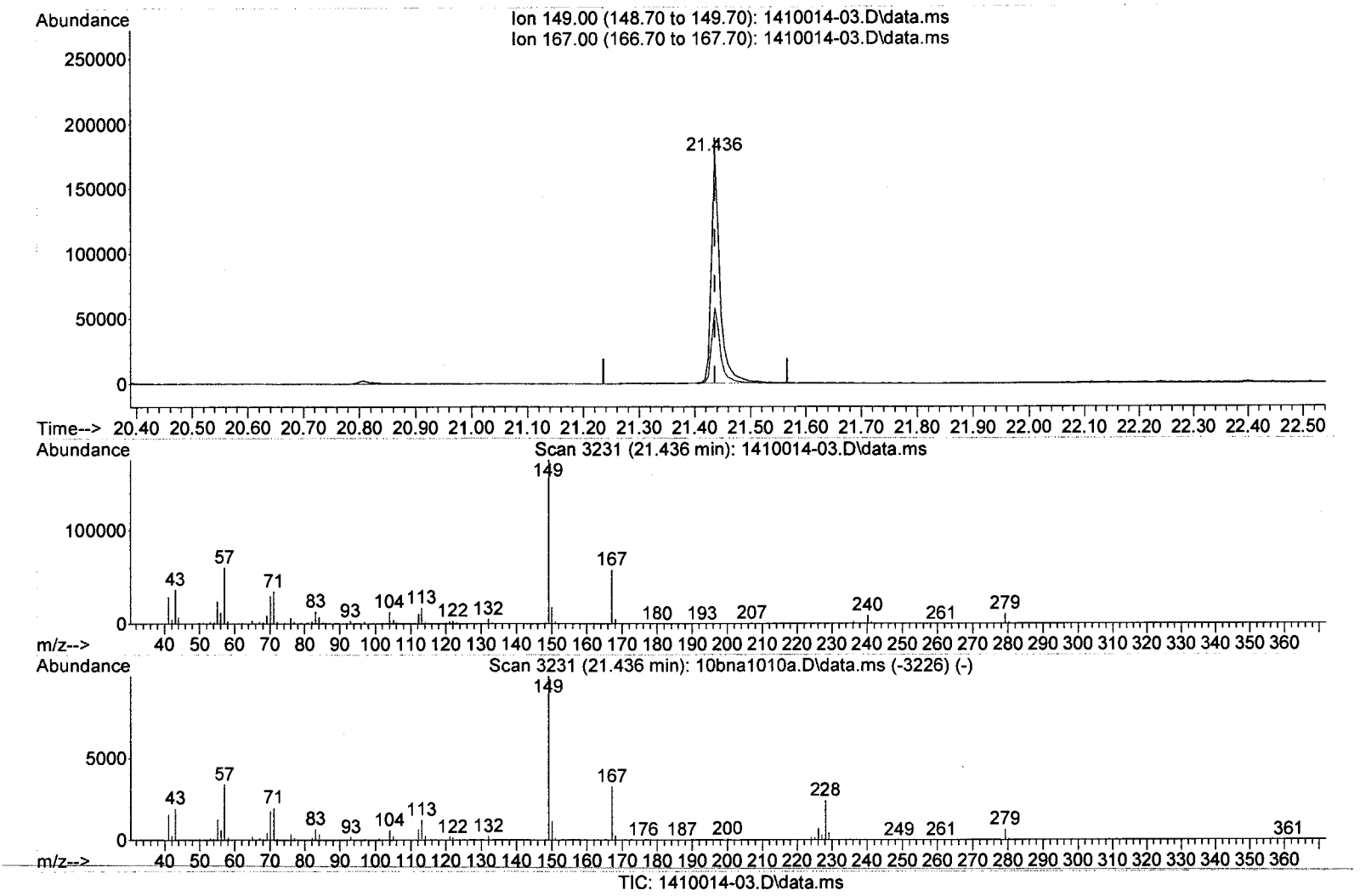
Reviewed By: ASC Date: 10/21/14

CMDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-03.D
Acq On : 10 Oct 2014 17:56
Operator : JLB
Sample : 1410014-03 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 08:59:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.436min (-0.000) 1.86 ng/uL

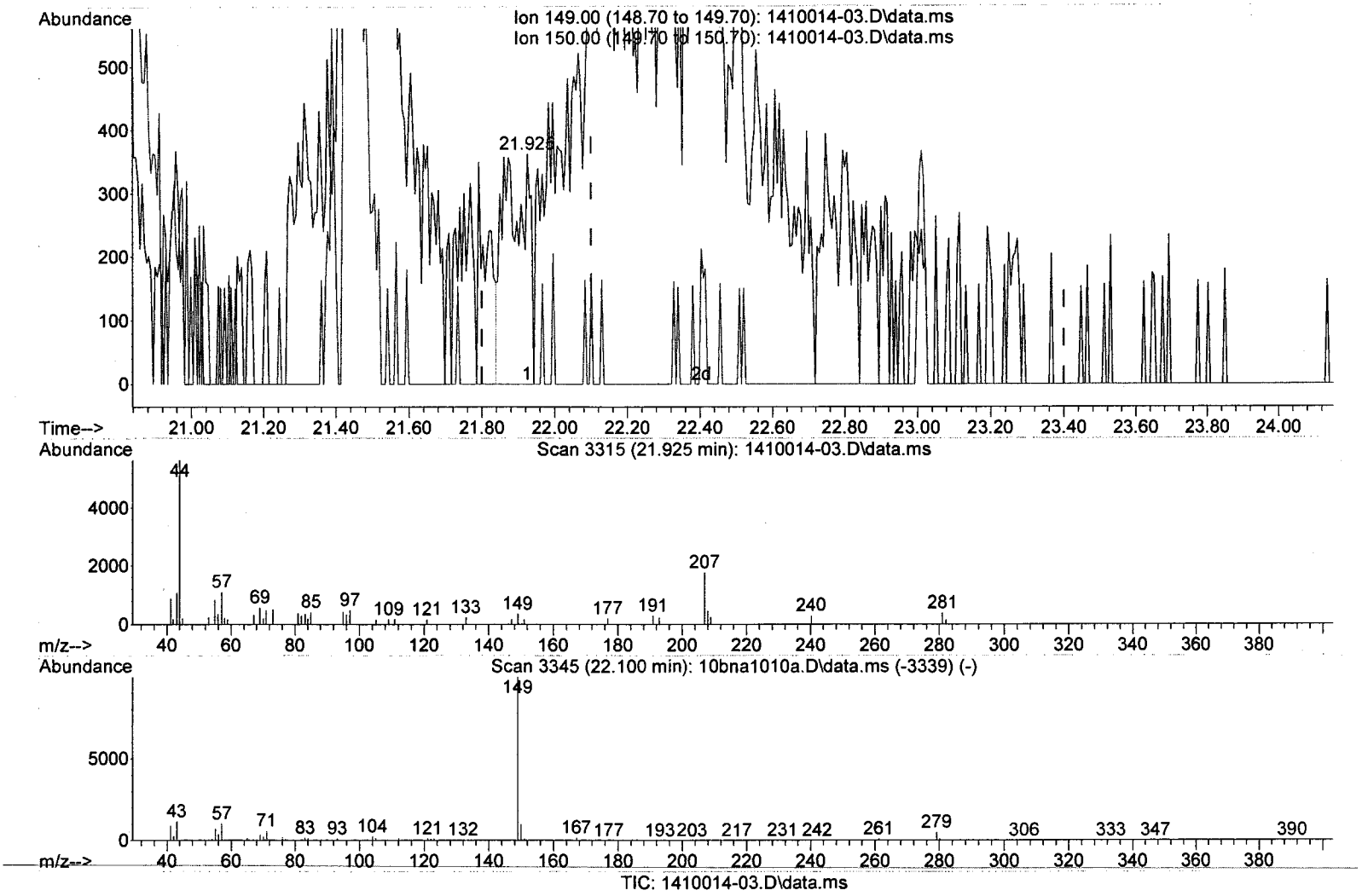
response 189487

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-03.D
Acq On : 10 Oct 2014 17:56
Operator : JLB
Sample : 1410014-03 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 08:59:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

21.925min (-0.175) 0.35 ng/uL

response 1624

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	3.39#
0.00	0.00	0.00
0.00	0.00	0.00

003287

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB9-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-04 File ID: 1410014-04.D

Sampled: 09/29/14 11:26 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 17:24

Solids: 97.48 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	89	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	680	290	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB9-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-04 File ID: 1410014-04.D

Sampled: 09/29/14 11:26 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 17:24

Solids: 97.48 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	56	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	6.4	4.0	17	170	J
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	715	600	84	33 - 113	
Phenol-d6	715	640	90	30 - 115	
Nitrobenzene-d5	357	349	98	33 - 131	
2-Fluorobiphenyl	357	359	100	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB9-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-04
File ID: 1410014-04.D
Sampled: 09/29/14 11:26
Prepared: 10/02/14 07:41
Analyzed: 10/10/14 17:24
Solids: 97.48
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	715	597	83	12 - 124	
o-Terphenyl	357	387	108	20 - 155	

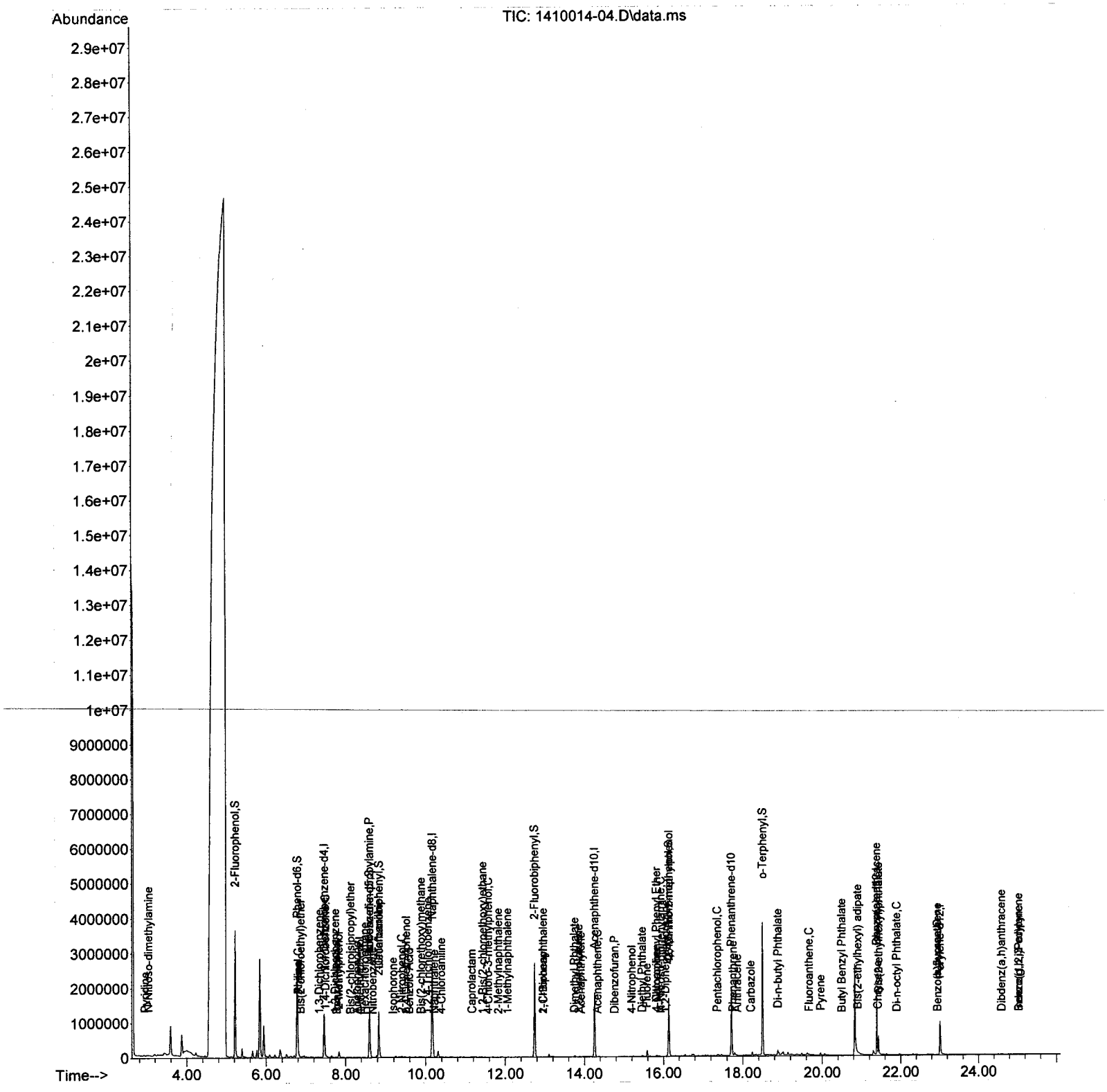
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	389937	7.459	403279	7.614	
Naphthalene-d8	1459117	10.169	1529030	10.359	
Acenaphthene-d10	784066	14.267	866604	14.474	
Phenanthrene-d10	1135101	17.717	1400442	17.901	
Chrysene-d12	808146	21.389	1153654	21.538	
Perylene-d12	578767	23.015	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-04.D
Acq On : 10 Oct 2014 17:24
Operator : JLB
Sample : 1410014-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:58:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-04.D
Acq On : 10 Oct 2014 17:24
Operator : JLB
Sample : 1410014-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:58:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	389937	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.169	136	1459117	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.267	164	784066	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.717	188	1135101	5.00	ng/uL	0.00
81) Chrysene-d12	21.389	240	808146	5.00	ng/uL	# 0.00
89) Perylene-d12	23.015	264	578767	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	1496213	16.79	ng/uL	0.22
6) Phenol-d6	6.788	99	2064538	17.90	ng/uL	0.05
21) Nitrobenzene-d5	8.601	82	911061	9.77	ng/uL	0.00
23) Decafluorobiphenyl	8.834	334	578145	8.84	ng/uL	0.00
47) 2-Fluorobiphenyl	12.739	172	1626950	10.04	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.143	330	287358	16.69	ng/uL	-0.01
78) o-Terphenyl	18.504	230	1053276	10.82	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.035	74	2687	0.05	ng/uL#	24
3) Pyridine	2.947	79	945	0.01	ng/uL	92
5) Aniline	6.806	93	841	0.23	ng/uL#	1
7) Phenol	6.806	94	23881	0.18	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.870	93	346	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.336	146	2098	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.488	146	872	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.738	146	361	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.129	45	974	0.01	ng/uL#	77
14) Benzyl Alcohol	7.779	108	1232	0.02	ng/uL	86
15) 2-Methylphenol	7.826	108	120	0.00	ng/uL#	1
16) Acetophenone	8.292	105	2534	0.02	ng/uL#	91
17) Hexachloroethane	8.485	119	933	0.02	ng/uL#	3
18) 4-Methylphenol	8.368	108	199	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.601	70	118705	RT 1.69	ng/uL#	5
22) Nitrobenzene	8.677	77	514	0.01	ng/uL#	38
24) Isophorone	9.184	82	2048	0.01	ng/uL	95
25) 2-Chloroaniline	8.828	127	7917	0.07	ng/uL#	59
26) 2-Nitrophenol	9.400	139	512	0.01	ng/uL#	1
27) 2,4-Dimethylphenol	9.510	107	366	0.00	ng/uL#	41
28) Bis(2-chlorethoxy)methane	9.889	93	493	0.00	ng/uL	85
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.592	105	2359m	2.48	ng/uL	
31) 1,2,4-Trichlorobenzene	10.058	180	923	0.01	ng/uL	97
32) Naphthalene	10.216	128	1425	0.00	ng/uL#	1
33) 4-Chloroaniline	10.390	127	211	0.00	ng/uL#	1
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.160	55	7408	0.18	ng/uL#	40
37) 1,2-Bis(2-chloroethoxy...	11.434	63	109	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.574	107	159	0.00	ng/uL#	17
39) 2-Methylnaphthalene	11.824	142	226	0.00	ng/uL#	62
40) 1-Methylnaphthalene	12.057	142	134	0.00	ng/uL#	76
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-04.D
Acq On : 10 Oct 2014 17:24
Operator : JLB
Sample : 1410014-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:58:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	12.955	162	287	0.00 ng/uL	87
49) 1,1'-Biphenyl	12.955	154	1192	0.01 ng/uL#	64
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.917	152	199	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.858	165	54	0.00 ng/uL#	1
53) Dimethyl Phthalate	13.754	163	11487	0.07 ng/uL#	88
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.336	153	144	0.00 ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.762	168	197	0.00 ng/uL#	64
58) 4-Nitrophenol	15.199	65	190	0.01 ng/uL#	1
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.584	166	65	0.00 ng/uL#	1
63) Diethyl Phthalate	15.461	149	11910	0.07 ng/uL	91
64) 4-Chlorophenyl Phenyl ...	15.829	204	991	0.01 ng/uL#	1
65) 4-Nitroaniline	15.829	138	276	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.149	198	831	~~1.02~~ ng/uL#	1
68) N-Nitroso-diphenylamine	15.939	169	296	0.00 ng/uL#	45
69) 1,2-Diphenylhydrazine	16.056	182	776	0.02 ng/uL#	68
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.362	266	64	0.00 ng/uL#	1
75) Phenanthrene	17.758	178	1646	0.01 ng/uL#	71
76) Anthracene	17.863	178	430	0.00 ng/uL#	83
77) Carbazole	18.207	167	436	0.00 ng/uL#	1
79) Di-n-butyl Phthalate	18.889	149	27998	0.13 ng/uL#	95
80) Fluoroanthene	19.670	202	730	0.00 ng/uL#	81
82) Pyrene	19.961	202	950	0.00 ng/uL#	1
83) Butyl Benzyl Phthalate	20.497	149	184	0.00 ng/uL	86
84) Bis(2-ethylhexyl) adipate	20.905	129	2577	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.389	228	1763	0.01 ng/uL#	1
86) Chrysene	21.418	228	175	0.00 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.436	149	152539	1.57 ng/uL	92
88) Di-n-octyl Phthalate	21.902	149	368	~~0.34~~ ng/uL#	74
90) Benzo(b)fluoroanthene	0.000		0	N.D.	
91) Benzo(k)fluoranthene	22.945	252	111	0.00 ng/uL#	58
92) Benzo(a)pyrene	22.945	252	111	0.00 ng/uL#	57
93) Indeno(1,2,3-cd)pyrene	25.038	276	680	0.01 ng/uL#	62
94) Dibdenz(a,h)anthracene	24.589	278	210	0.00 ng/uL#	60
95) Benzo(g,h,i)Perylene	25.038	276	680	0.01 ng/uL#	64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-04.D
Acq On : 10 Oct 2014 17:24
Operator : JLB
Sample : 1410014-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:47:43 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

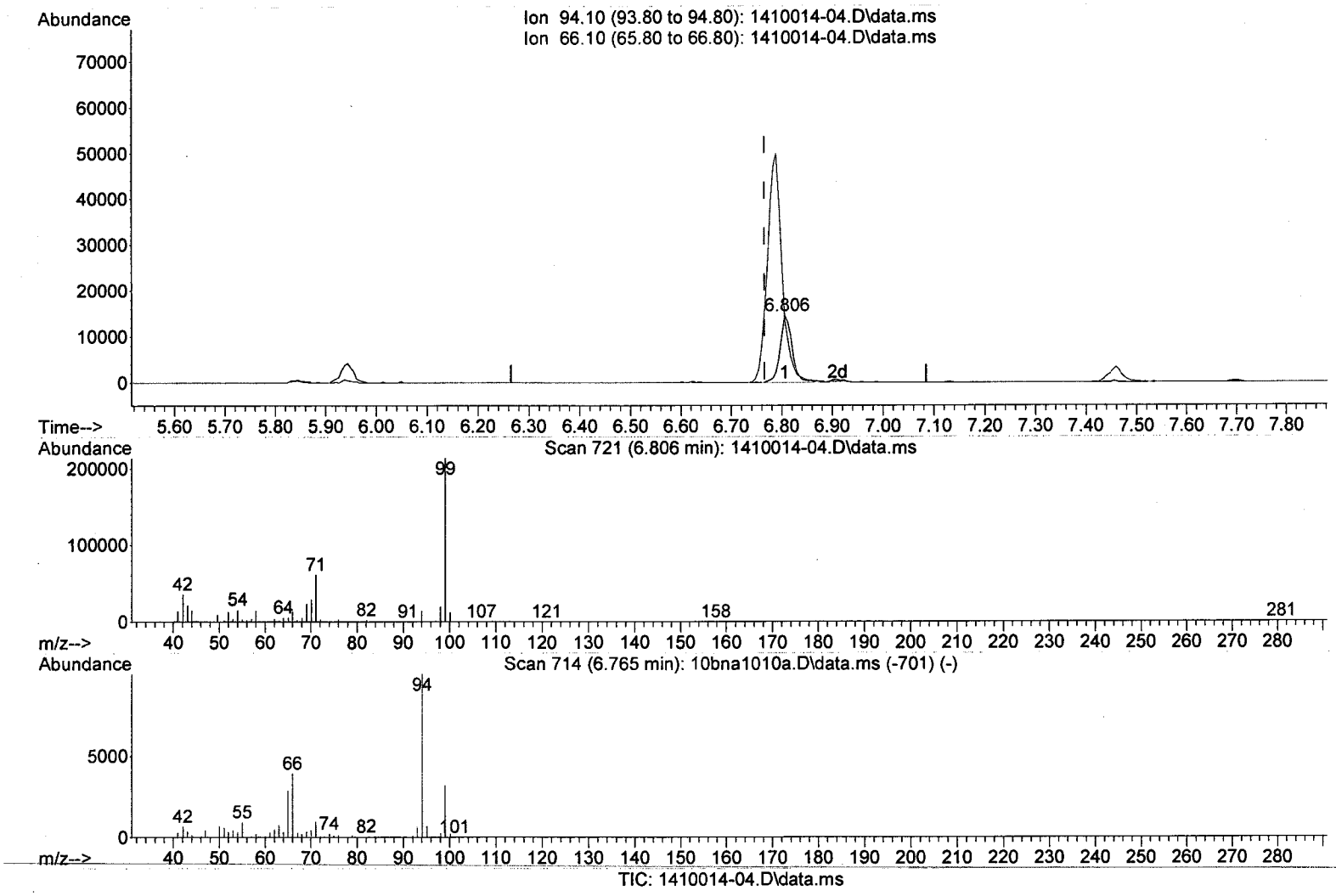
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.459	152	381032	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.169	136	1459117	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.267	164	784066	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.717	188	1135101	5.00	ng/uL		0.00
19) Chrysene-d12	21.389	240	808146	5.00	ng/uL	#	0.00
22) Perylene-d12	23.015	264	578767	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.035	74	590	0.01	ng/uL		89
3) Pyridine	2.947	79	945	0.01	ng/uL		92
4) Aniline	6.806	93	841	0.01	ng/uL	#	1
5) Benzaldehyde	6.567	105	9077	0.11	ng/uL	#	85
6) Acetophenone	8.292	105	2534	0.02	ng/uL	#	91
7) N-Nitroso-di-n-propyla...	8.310	70	953	0.01	ng/uL	#	1
9) 4-Chloroaniline	10.390	127	211	0.01	ng/uL	#	1
10) Caprolactam	11.160	55	980	0.12	ng/uL	#	21
12) 1,1'-Biphenyl	12.955	154	1192	0.01	ng/uL	#	64
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.829	138	276	Below Cal		#	1
17) N-Nitroso-diphenylamine	15.939	169	296	0.00	ng/uL	#	45
18) Atrazine	0.000		0	N.D.			
20) Benzidine	0.000		0	N.D.			
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-04.D
Acq On : 10 Oct 2014 17:24
Operator : JLB
Sample : 1410014-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:57:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-04.D\data.ms

(7) Phenol (C)

6.806min (+ 0.041) 0.18 ng/uL

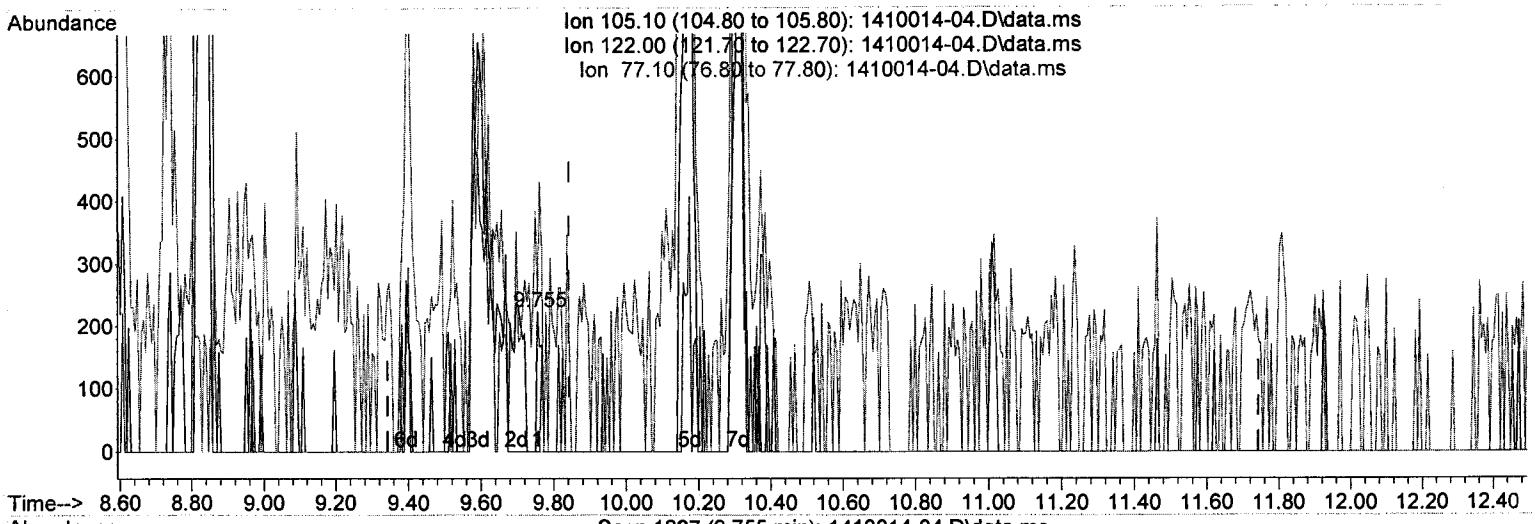
response 23881

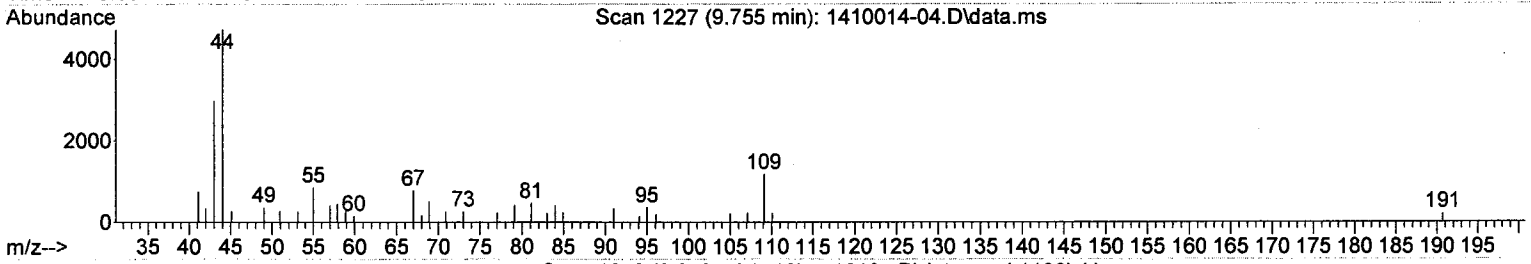
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	423.01#
0.00	0.00	0.00
0.00	0.00	0.00

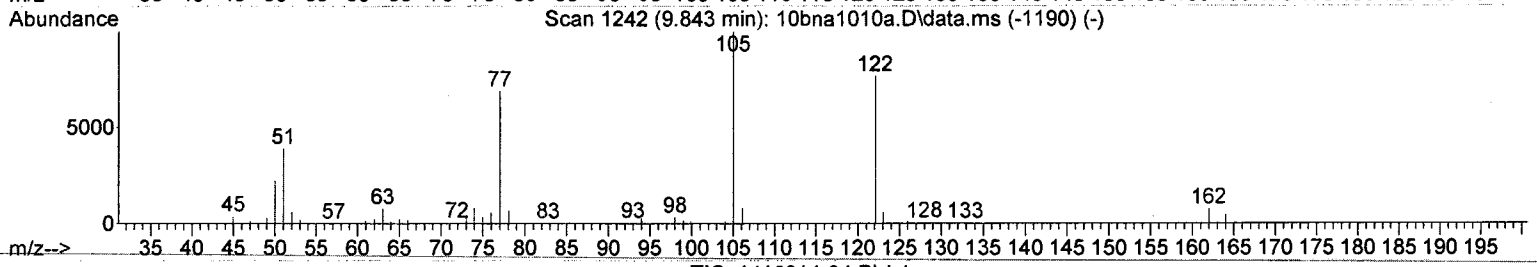
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-04.D
Acq On : 10 Oct 2014 17:24
Operator : JLB
Sample : 1410014-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:57:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-04.D\data.ms

(30) Benzoic Acid

9.755min (-0.088) 2.46 ng/uL

response 196

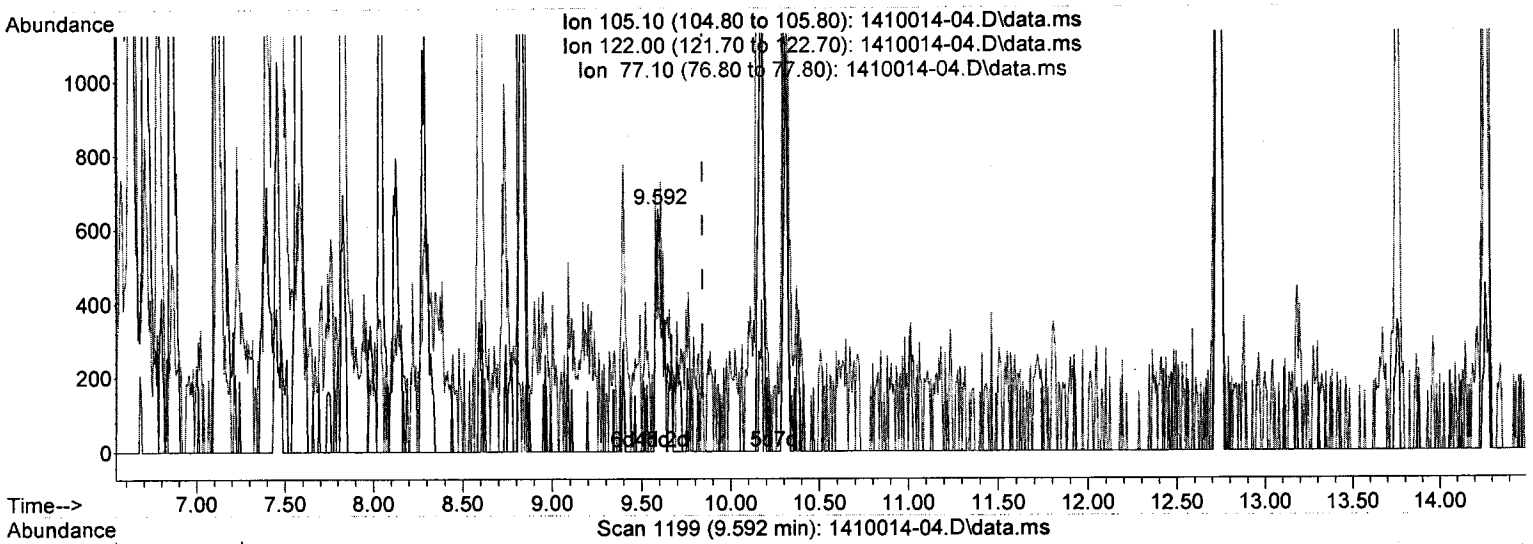
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	291.84#
0.00	0.00	0.00

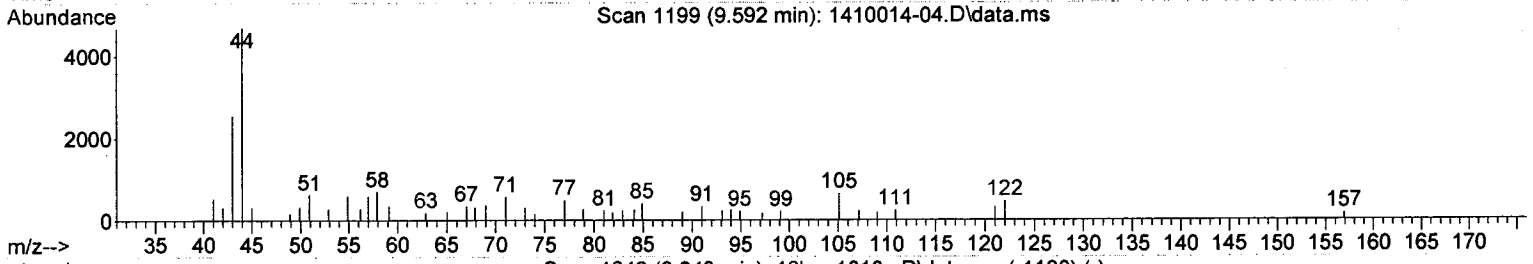
JWB 10/15/14

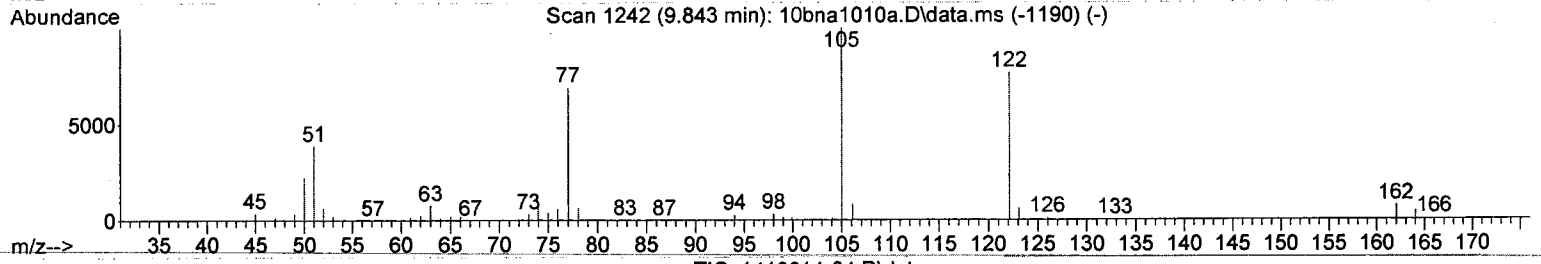
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-04.D
Acq On : 10 Oct 2014 17:24
Operator : JLB
Sample : 1410014-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:57:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-04.D\data.ms

(30) Benzoic Acid

9.592min (-0.251) 2.48 ng/uL m

response 2359

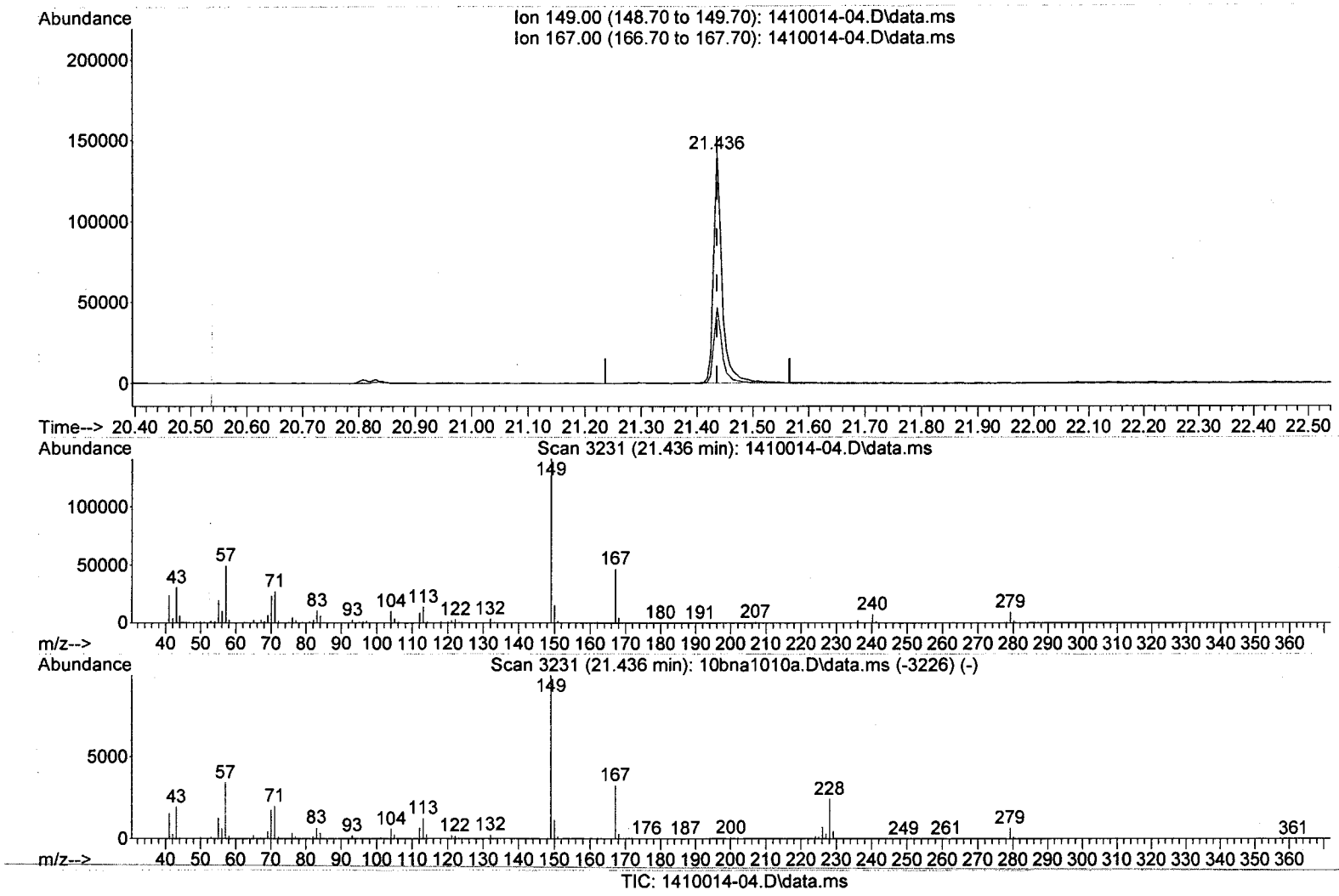
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	24.25#
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 10/15/14
Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-04.D
Acq On : 10 Oct 2014 17:24
Operator : JLB
Sample : 1410014-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:57:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.436min (-0.000) 1.57 ng/uL

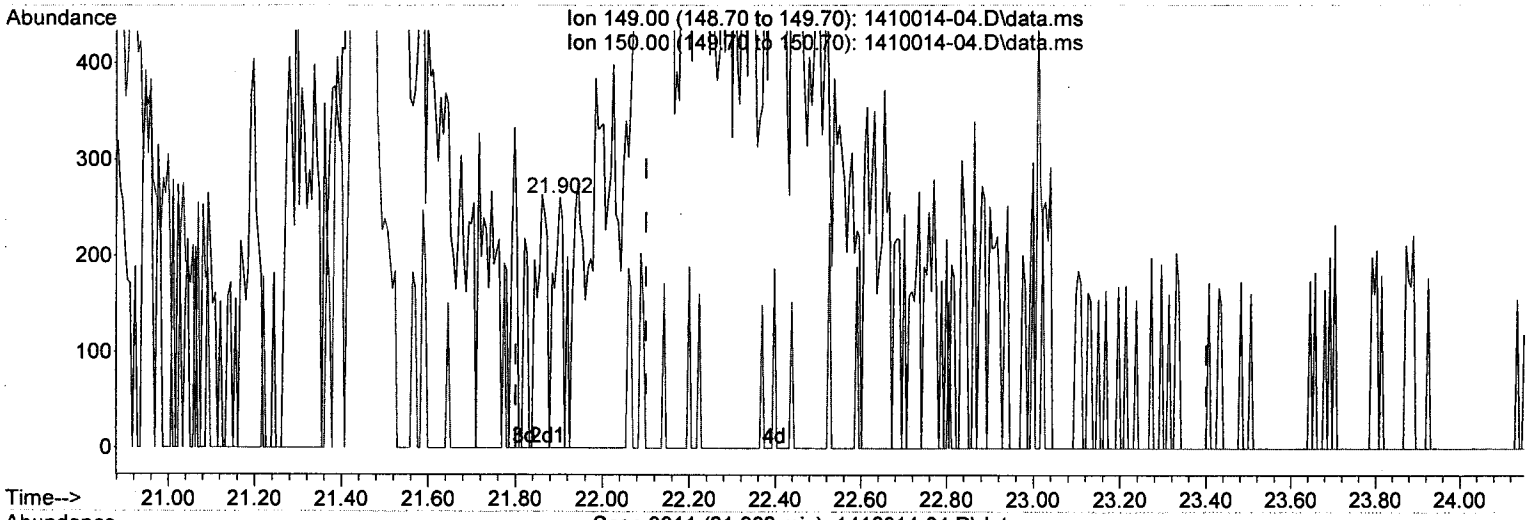
response 152539

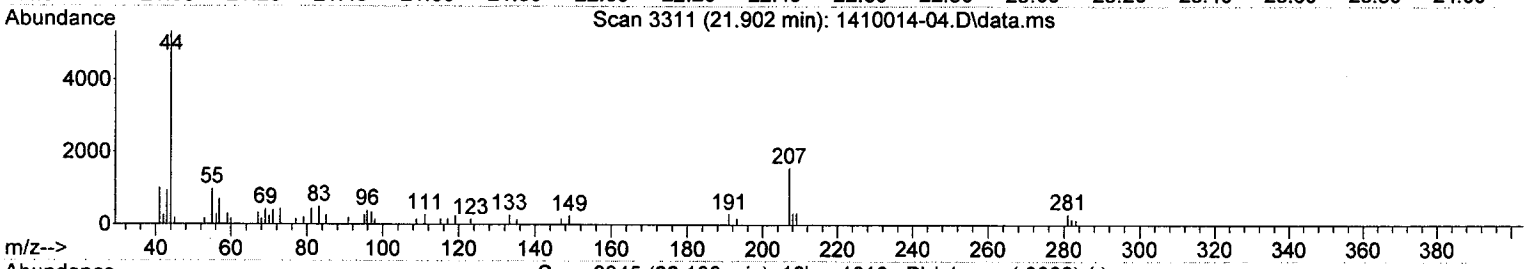
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.42
0.00	0.00	0.00
0.00	0.00	0.00

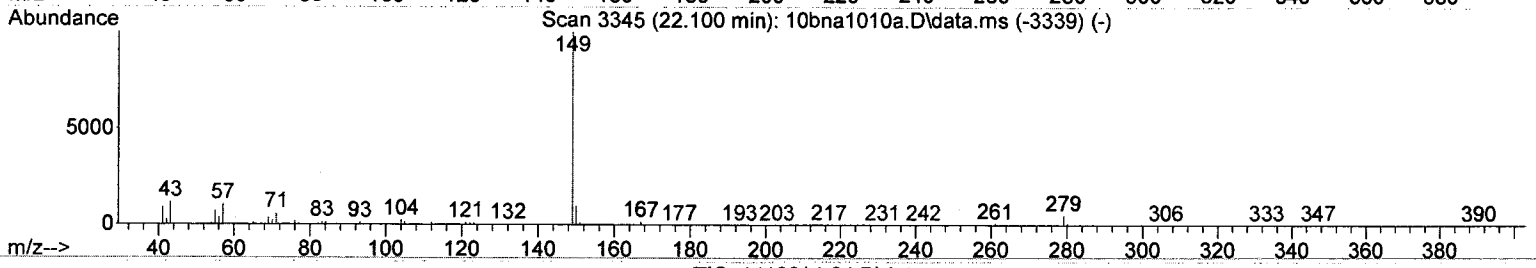
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-04.D
Acq On : 10 Oct 2014 17:24
Operator : JLB
Sample : 1410014-04 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 15 08:57:58 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-04.D\data.ms

(88) Di-n-octyl Phthalate (C)

21.902min (-0.198) 0.34 ng/uL

response 368

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

pp

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB10-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-05 File ID: 1410014-05.D

Sampled: 09/29/14 13:13 Prepared: 10/02/14 07:41 Analyzed: 10/11/14 01:27

Solids: 93.27 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	18	5.0	18	18	U
208-96-8	Acenaphthylene	1	18	4.5	18	18	U
120-12-7	Anthracene	1	18	4.3	18	18	U
56-55-3	Benzo(a)anthracene	1	13	2.9	8.9	18	J
50-32-8	Benzo(a)pyrene	1	14	2.5	8.9	18	J
205-99-2	Benzo(b)fluoranthene	1	36	2.0	8.9	18	
207-08-9	Benzo(k)fluoranthene	1	16	2.1	8.9	18	J
191-24-2	Benzo(g,h,i)perylene	1	9.6	2.0	8.9	36	J
65-85-0	Benzoic Acid	1	100	74	180	360	J
100-51-6	Benzyl Alcohol	1	18	4.9	18	18	U
101-55-3	4-Bromophenyl Phenyl Ether	1	18	4.3	18	18	U
85-68-7	Butyl Benzyl Phthalate	1	8.1	4.3	18	36	J
86-74-8	Carbazole	1	18	4.3	18	180	U
59-50-7	4-Chloro-3-methylphenol	1	18	5.4	18	18	U
106-47-8	4-Chloroaniline	1	18	9.5	18	72	U
111-91-1	Bis(2-chloroethoxy)methane	1	18	4.3	18	18	U
111-44-4	Bis(2-chloroethyl) Ether	1	18	4.2	18	18	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.9	3.9	8.9	18	U
91-58-7	2-Chloronaphthalene	1	18	5.3	18	18	U
95-57-8	2-Chlorophenol	1	18	4.2	18	18	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	18	4.1	18	18	U
218-01-9	Chrysene	1	26	4.2	18	18	
53-70-3	Dibenz(a,h)anthracene	1	4.1	2.0	8.9	36	J
132-64-9	Dibenzofuran	1	18	5.3	18	18	U
84-74-2	Di-n-butyl Phthalate	1	36	14	36	72	U
106-46-7	1,4-Dichlorobenzene	1	18	5.2	18	18	U
95-50-1	1,2-Dichlorobenzene	1	18	5.9	18	18	U
541-73-1	1,3-Dichlorobenzene	1	18	6.1	18	18	U
91-94-1	3,3´-Dichlorobenzidine	1	710	300	710	890	U
120-83-2	2,4-Dichlorophenol	1	18	4.4	18	36	U
84-66-2	Diethyl Phthalate	1	18	5.2	18	18	U
105-67-9	2,4-Dimethylphenol	1	140	39	140	180	U
131-11-3	Dimethyl Phthalate	1	18	5.1	18	18	U
534-52-1	4,6-Dinitro-2-methylphenol	1	71	23	71	180	U
51-28-5	2,4-Dinitrophenol	1	180	60	180	180	U
606-20-2	2,6-Dinitrotoluene	1	8.9	4.3	8.9	18	U
121-14-2	2,4-Dinitrotoluene	1	8.9	3.5	8.9	36	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB10-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-05 File ID: 1410014-05.D

Sampled: 09/29/14 13:13 Prepared: 10/02/14 07:41 Analyzed: 10/11/14 01:27

Solids: 93.27 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	18	4.1	18	18	U
122-66-7	1,2-Diphenylhydrazine	1	8.9	3.6	8.9	18	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	220	12	18	36	B
206-44-0	Fluoranthene	1	22	4.8	18	18	
86-73-7	Fluorene	1	18	4.3	18	36	U
118-74-1	Hexachlorobenzene	1	18	5.1	18	18	U
87-68-3	Hexachlorobutadiene	1	18	4.9	18	18	U
67-72-1	Hexachloroethane	1	18	5.4	18	18	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.2	2.9	8.9	36	J
78-59-1	Isophorone	1	18	4.1	18	18	U
91-57-6	2-Methylnaphthalene	1	16	4.9	18	18	J
108-39-4	3+4-Methylphenol	1	8.9	3.9	8.9	18	U
95-48-7	2-Methylphenol	1	8.9	3.8	8.9	18	U
91-20-3	Naphthalene	1	9.2	6.0	18	18	J
100-01-6	4-Nitroaniline	1	72	26	72	350	U
88-74-4	2-Nitroaniline	1	8.9	3.8	8.9	18	U
99-09-2	3-Nitroaniline	1	36	18	36	350	U
98-95-3	Nitrobenzene	1	18	4.9	18	18	U
88-75-5	2-Nitrophenol	1	18	4.8	18	18	U
100-02-7	4-Nitrophenol	1	360	110	360	720	U
62-75-9	N-Nitroso-dimethylamine	1	7.2	3.5	7.2	36	U
86-30-6	N-Nitroso-diphenylamine	1	8.9	3.7	8.9	18	U
621-64-7	N-Nitroso-di-n-propylamine	1	18	4.3	18	18	U
87-86-5	Pentachlorophenol	1	18	14	18	180	U
85-01-8	Phenanthrene	1	26	4.4	18	18	
108-95-2	Phenol	1	31	4.2	18	180	J
129-00-0	Pyrene	1	48	4.6	18	18	
120-82-1	1,2,4-Trichlorobenzene	1	18	4.7	18	18	U
95-95-4	2,4,5-Trichlorophenol	1	18	4.8	18	18	U
88-06-2	2,4,6-Trichlorophenol	1	8.9	2.7	8.9	18	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	739	675	91	33 - 113	
Phenol-d6	739	718	97	30 - 115	
Nitrobenzene-d5	370	376	102	33 - 131	
2-Fluorobiphenyl	370	397	108	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB10-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-05
File ID: 1410014-05.D
Sampled: 09/29/14 13:13
Prepared: 10/02/14 07:41
Analyzed: 10/11/14 01:27
Solids: 93.27
Preparation: 3550C Sonication Extract
Initial/Final: 29 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	739	732	99	12 - 124	
o-Terphenyl	370	408	110	20 - 155	

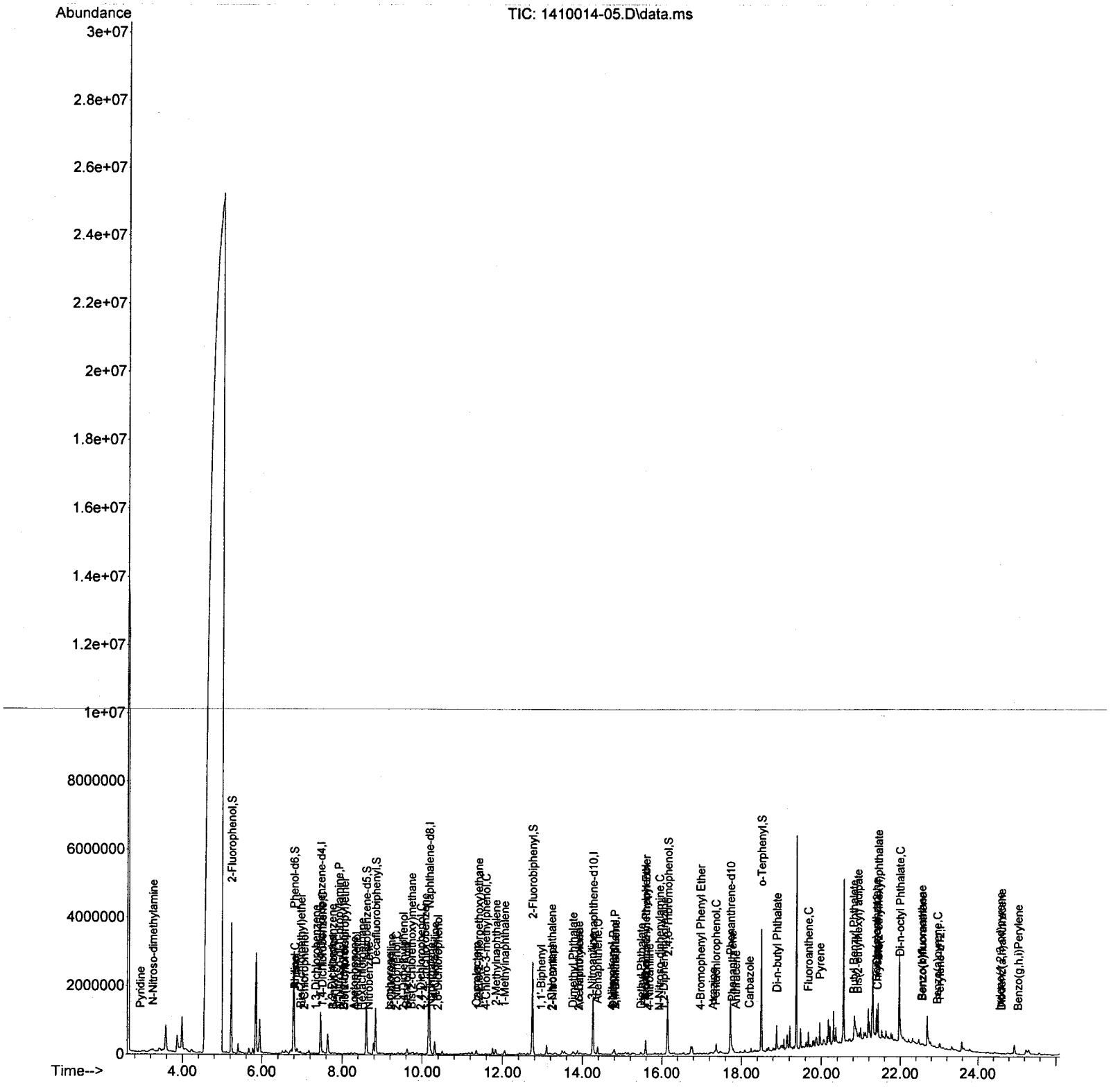
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	386233	7.459	403279	7.614	
Naphthalene-d8	1427881	10.169	1529030	10.359	
Acenaphthene-d10	732490	14.267	866604	14.474	
Phenanthrene-d10	997372	17.723	1400442	17.901	
Chrysene-d12	361919	21.395	1153654	21.538	*
Perylene-d12	95436	23.015	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:22:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:22:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	386233	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.169	136	1427881	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.267	164	732490	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.723	188	997372	5.00	ng/uL	0.00
81) Chrysene-d12	21.395	240	361919(bw)	5.00	ng/uL	# 0.00
89) Perylene-d12	23.015	264	95436 (bw)	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.226	112	1610129	18.25	ng/uL	0.22
6) Phenol-d6	6.794	99	2220000	19.43	ng/uL	0.05
21) Nitrobenzene-d5	8.601	82	927696	10.16	ng/uL	0.00
23) Decafluorobiphenyl	8.834	334	573544	8.96	ng/uL	0.00
47) 2-Fluorobiphenyl	12.740	172	1627626	10.75	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.149	330	299544	19.80	ng/uL	0.00
78) o-Terphenyl	18.504	230	943950	11.04	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.256	74	23655	RJ ~~0.41~~	ng/uL#	4
3) Pyridine	2.936	79	471	0.00	ng/uL#	26
5) Aniline	6.812	93	3310	0.26	ng/uL#	1
7) Phenol	6.812	94	109640	0.84	ng/uL#	24
8) Bis(2-chloroethyl)ether	6.963	93	457	0.00	ng/uL	96
9) 2-Chlorophenol	7.045	128	542	0.01	ng/uL#	1
10) 1,3-Dichlorobenzene	7.336	146	2168	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.494	146	2209	0.02	ng/uL#	1
12) 1,2-Dichlorobenzene	7.744	146	320	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.047	45	196	0.00	ng/uL#	51
14) Benzyl Alcohol	7.768	108	1992	0.03	ng/uL#	1
15) 2-Methylphenol	8.024	108	139	0.00	ng/uL#	65
16) Acetophenone	8.286	105	16718	0.12	ng/uL#	67
17) Hexachloroethane	8.485	119	6187	VT ~~0.15~~	ng/uL#	6
18) 4-Methylphenol	8.351	108	2788	0.03	ng/uL#	1
19) N-Nitroso-di-n-propyla...	7.908	70	1692	0.02	ng/uL	94
22) Nitrobenzene	8.659	77	471	0.00	ng/uL#	32
24) Isophorone	9.178	82	2339	0.01	ng/uL	98
25) 2-Chloroaniline	9.225	127	300	0.00	ng/uL#	1
26) 2-Nitrophenol	9.347	139	56	0.00	ng/uL#	26
27) 2,4-Dimethylphenol	9.522	107	755	0.01	ng/uL#	35
28) Bis(2-chlorethoxy)methane	9.732	93	1488	0.01	ng/uL#	78
29) 2,4-Dichlorophenol	9.959	162	925	0.01	ng/uL#	1
30) Benzoic Acid	9.604	105	20213m	2.71	ng/uL	
31) 1,2,4-Trichlorobenzene	10.064	180	1500	0.02	ng/uL	99
32) Naphthalene	10.216	128	70977	0.25	ng/uL	97
33) 4-Chloroaniline	10.309	127	2537	0.04	ng/uL#	78
34) 2,6-Dichlorophenol	10.385	162	756	0.01	ng/uL#	63
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.346	55	31788	0.77	ng/uL#	55
37) 1,2-Bis(2-chloroethoxy...	11.399	63	174	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.580	107	1111	0.01	ng/uL#	1
39) 2-Methylnaphthalene	11.830	142	79279	0.44	ng/uL	99
40) 1-Methylnaphthalene	12.046	142	61164	0.37	ng/uL	99
41) 1,3 Dinitrobenzene	13.742	168	136	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:22:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.229	162	648	0.00	ng/uL	93
49) 1,1'-Biphenyl	12.955	154	15497	0.08	ng/uL	97
50) 2-Nitroaniline	13.252	138	164	0.00	ng/uL#	1
51) Acenaphthylene	13.917	152	2039	0.01	ng/uL#	55
52) 2,6-Dinitrotoluene	13.905	165	260	0.01	ng/uL#	1
53) Dimethyl Phthalate	13.760	163	15566	0.10	ng/uL#	62
54) 3-Nitroaniline	14.243	138	1027	0.03	ng/uL#	1
55) Acenaphthene	14.377	153	181	0.00	ng/uL#	1
56) 2,4-Dinitrophenol	14.797	184	69	AJ ~~2.84~~	ng/uL#	1
57) Dibenzofuran	14.762	168	23626	0.12	ng/uL	91
58) 4-Nitrophenol	14.739	65	3286	0.11	ng/uL#	1
59) 2,4-Dinitrotoluene	14.815	165	2604	0.05	ng/uL#	39
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.572	166	5874	0.04	ng/uL#	42
63) Diethyl Phthalate	15.467	149	12784	0.09	ng/uL#	77
64) 4-Chlorophenyl Phenyl ...	15.596	204	67	0.00	ng/uL#	1
65) 4-Nitroaniline	15.677	138	196	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.584	198	170	AJ ~~0.99~~	ng/uL#	1
68) N-Nitroso-diphenylamine	15.934	169	4993	0.05	ng/uL#	45
69) 1,2-Diphenylhydrazine	16.044	182	3733	0.09	ng/uL#	26
71) 4-Bromophenyl Phenyl E...	16.971	248	54	0.00	ng/uL#	2
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.280	200	256	0.01	ng/uL#	58
74) Pentachlorophenol	17.350	266	419	0.02	ng/uL#	1
75) Phenanthrene	17.764	178	137092	0.71	ng/uL	99
76) Anthracene	17.857	178	8750	0.05	ng/uL#	66
77) Carbazole	18.201	167	7153	0.04	ng/uL#	95
79) Di-n-butyl Phthalate	18.895	149	31763	0.17	ng/uL#	92
80) Fluoroanthene	19.670	202	107966	0.59	ng/uL	95
82) Pyrene	19.961	202	112678	1.31	ng/uL#	90
83) Butyl Benzyl Phthalate	20.806	149	7550	0.22	ng/uL#	1
84) Bis(2-ethylhexyl) adipate	20.911	129	5305	0.23	ng/uL#	100
85) Benzo(a)anthracene	21.383	228	22664	0.34	ng/uL#	83
86) Chrysene	21.418	228	44293	0.69	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.436	149	253307	5.84	ng/uL	90
88) Di-n-octyl Phthalate	21.984	149	131440	pp ~~1.99~~	ng/uL#	77
90) Benzo(b)fluoroanthene	22.549	252	16767m	0.97	ng/uL	
91) Benzo(k)fluoranthene	22.567	252	8228m	0.42	ng/uL	
92) Benzo(a)pyrene	22.945	252	6251	0.38	ng/uL#	70
93) Indeno(1,2,3-cd)pyrene	24.566	276	3482m	0.25	ng/uL	
94) Dibdenz(a,h)anthracene	24.601	278	1226	0.11	ng/uL#	87
95) Benzo(g,h,i)Perylene	25.032	276	3168	0.26	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 08:52:36 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

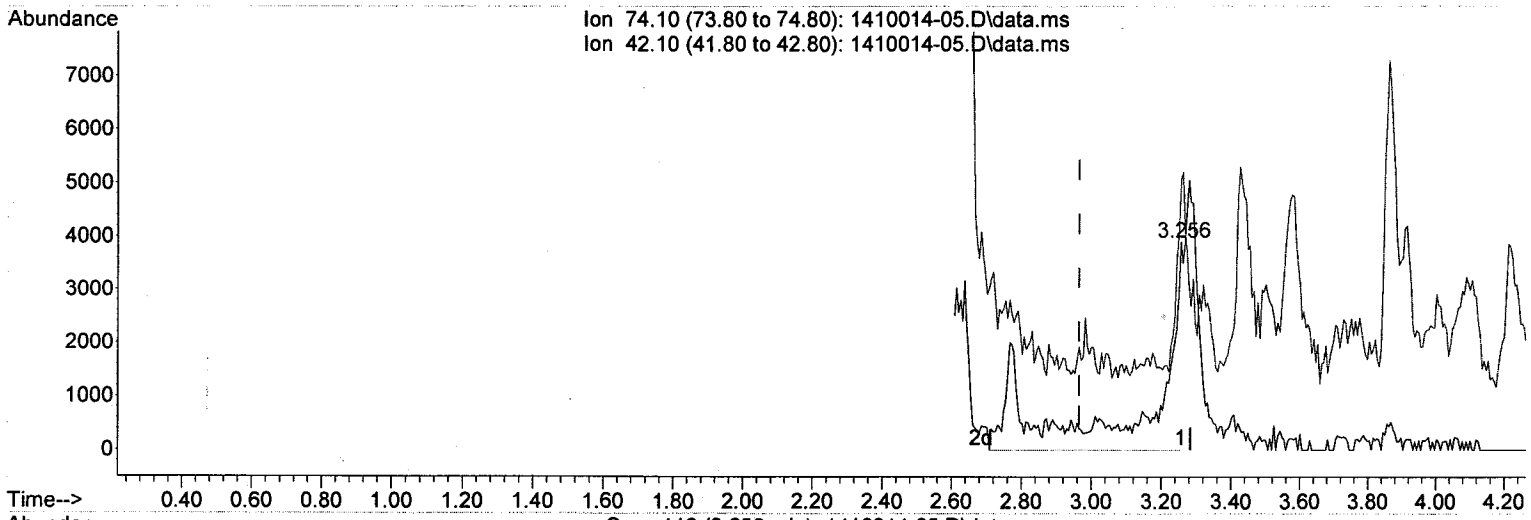
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.459	152	374840	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.169	136	1427881	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.267	164	732031	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.723	188	998379	5.00	ng/uL		0.00
19) Chrysene-d12	21.395	240	361919	5.00	ng/uL	#	0.00
22) Perylene-d12	23.015	264	95436	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.872	74	3521	0.06	ng/uL	#	33
3) Pyridine	2.936	79	503	0.00	ng/uL	#	37
4) Aniline	6.812	93	3310	0.02	ng/uL	#	1
5) Benzaldehyde	6.573	105	12892	0.16	ng/uL	#	88
6) Acetophenone	8.286	105	16718	0.12	ng/uL	#	67
7) N-Nitroso-di-n-propyla...	7.908	70	1692	0.02	ng/uL		94
9) 4-Chloroaniline	10.507	127	318	0.01	ng/uL		86
10) Caprolactam	11.166	55	8347	0.28	ng/uL	#	54
12) 1,1'-Biphenyl	12.955	154	15497	0.07	ng/uL		97
13) 2-Nitroaniline	13.252	138	164	0.01	ng/uL	#	1
14) 3-Nitroaniline	14.243	138	1027	Below Cal		#	1
15) 4-Nitroaniline	15.677	138	196	Below Cal		#	1
17) N-Nitroso-diphenylamine	15.934	169	4993	0.04	ng/uL	#	48
18) Atrazine	17.484	200	125	Below Cal			99
20) Benzidine	20.177	184	7722	0.56	ng/uL		99
21) 3,3'-Dichlorobenzidine	21.389	252	444	0.02	ng/uL	#	57

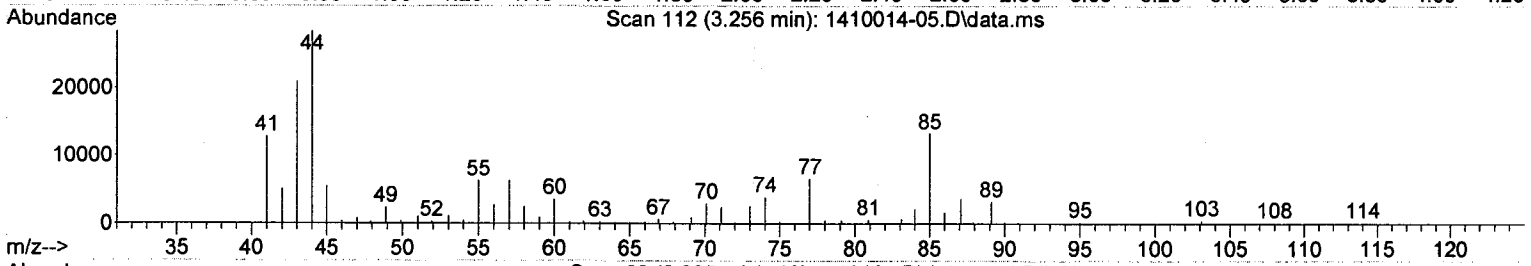
(#) = qualifier out of range (m) = manual integration (+) = signals summed

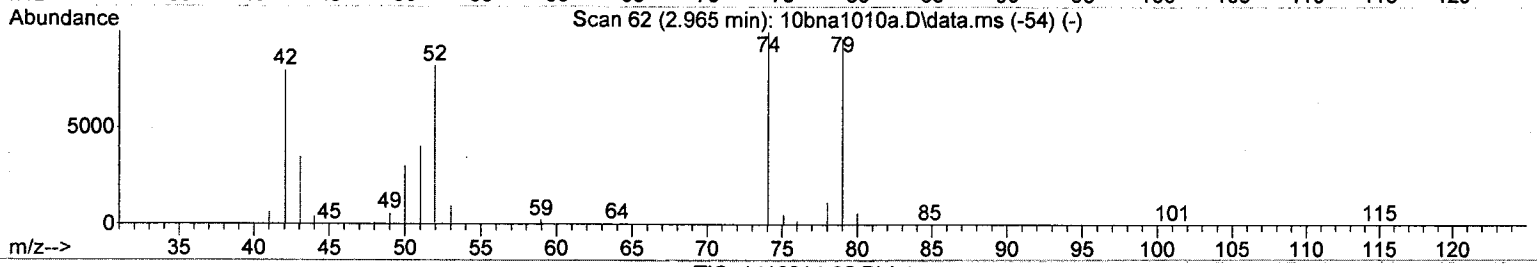
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-05.D\data.ms

(2) N-Nitroso-dimethylamine

3.256min (+ 0.291) 0.41 ng/uL

response 23655

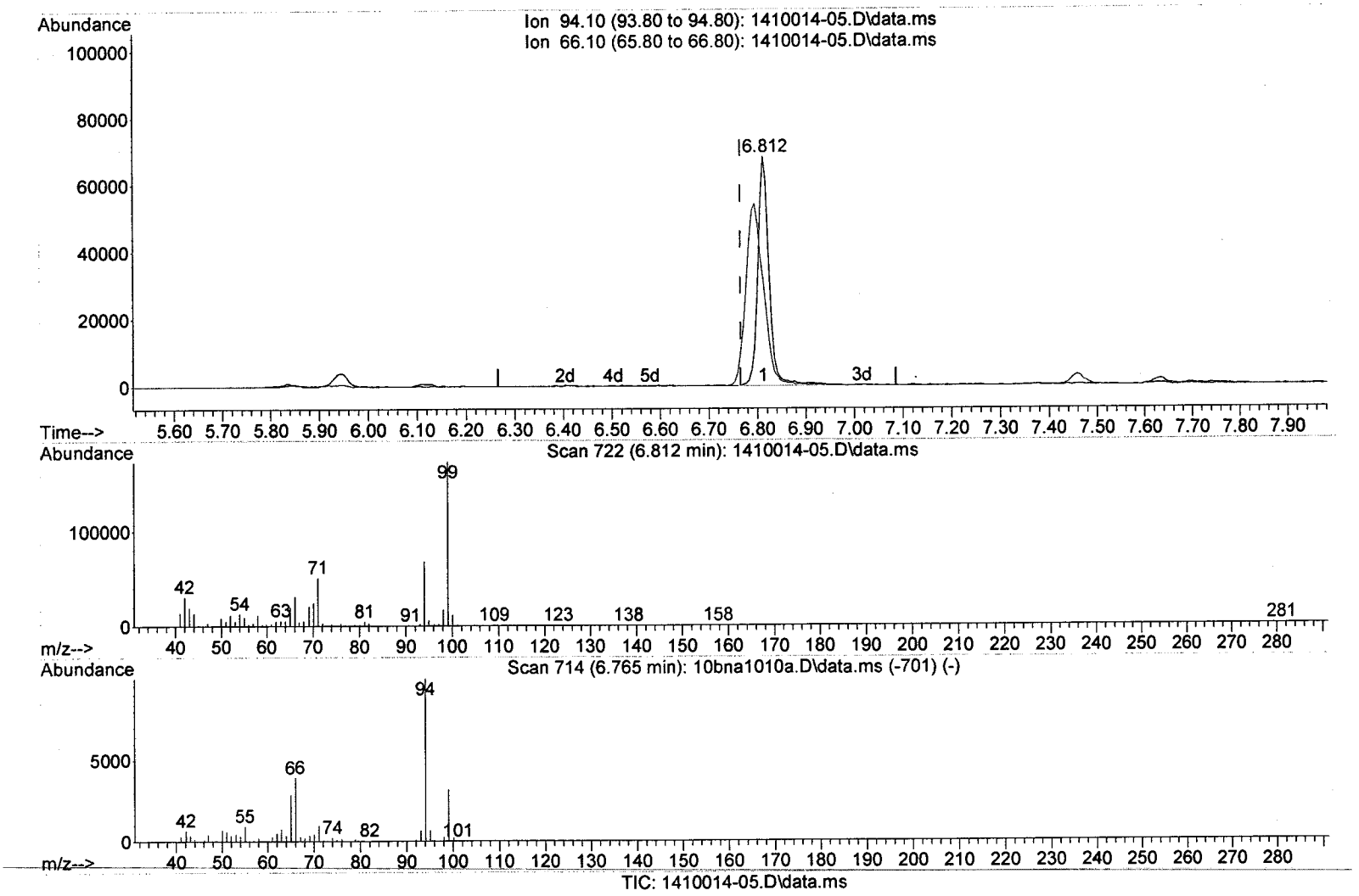
Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	2.72#
0.00	0.00	0.00
0.00	0.00	0.00

RT

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(7) Phenol (C)

6.812min (+ 0.047) 0.84 ng/uL

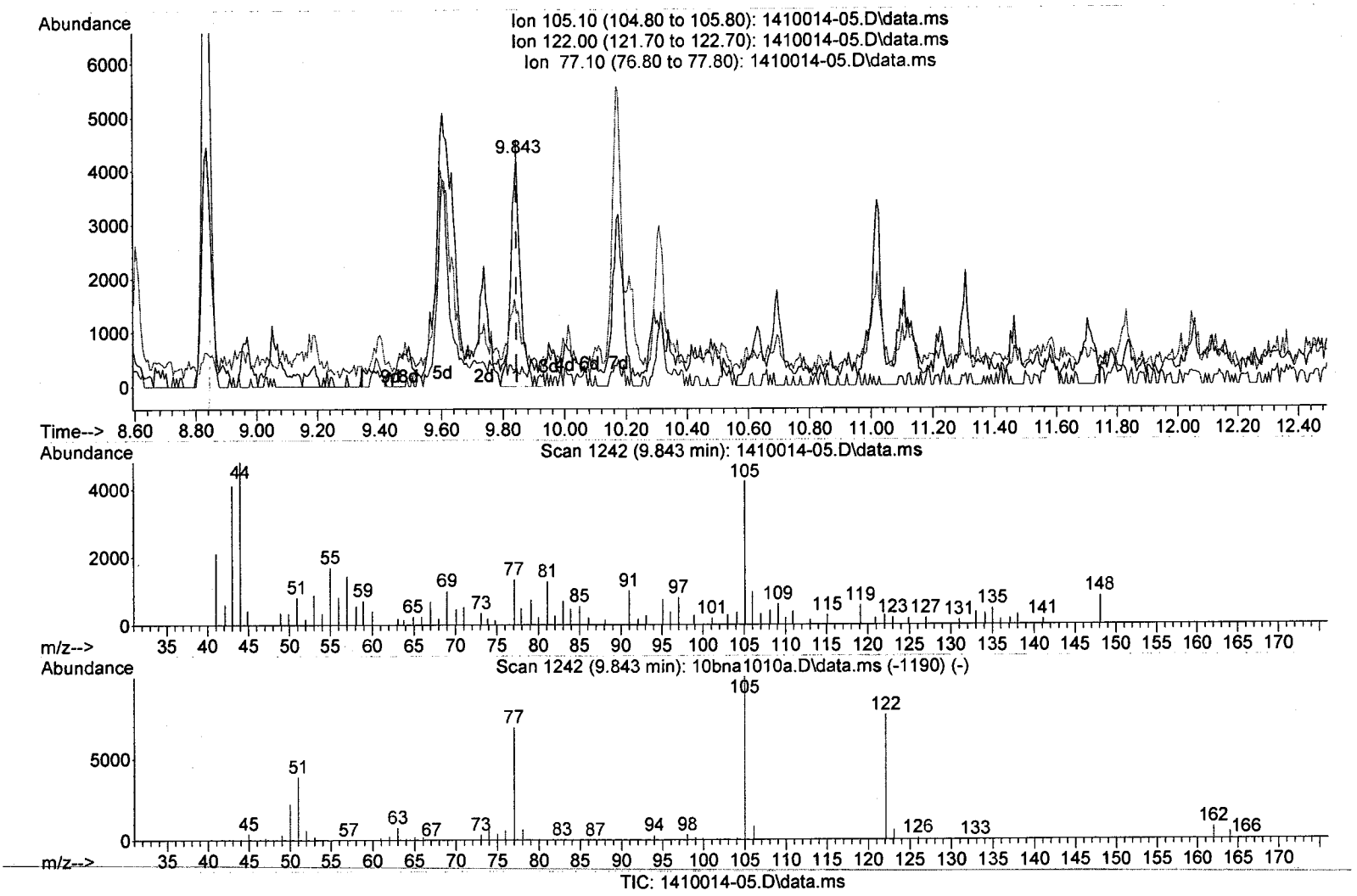
response 109640

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	124.64#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.843min (-0.000) 2.58 ng/uL

response 9982

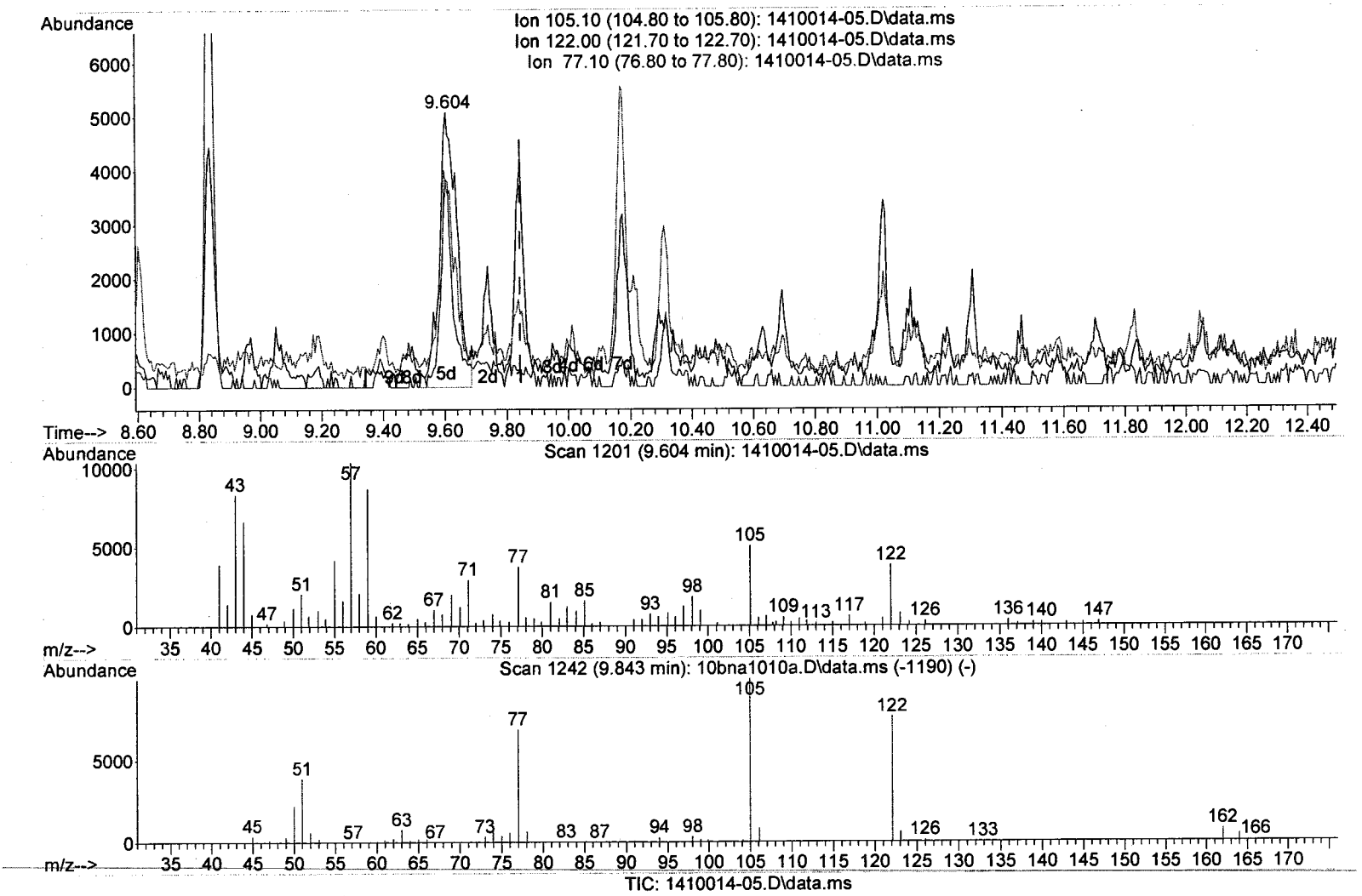
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	28.86#
77.10	74.70	39.22#
0.00	0.00	0.00

JLB 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.604min (-0.239) 2.71 ng/uL m

response 20213

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	14.25#
77.10	74.70	19.37#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

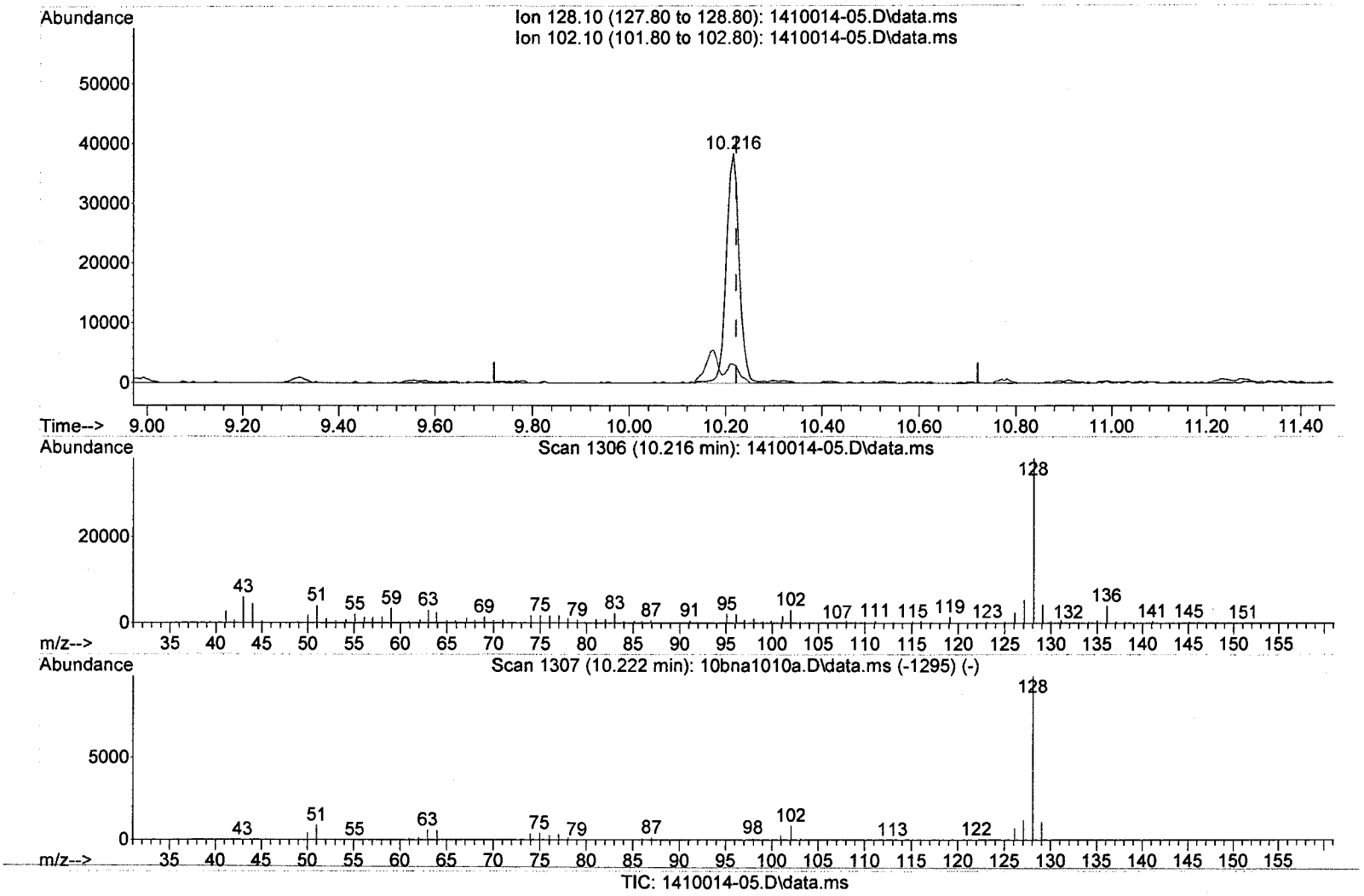
Analyst: JLB Date: 10/15/14

Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(32) Naphthalene

10.216min (-0.006) 0.25 ng/uL

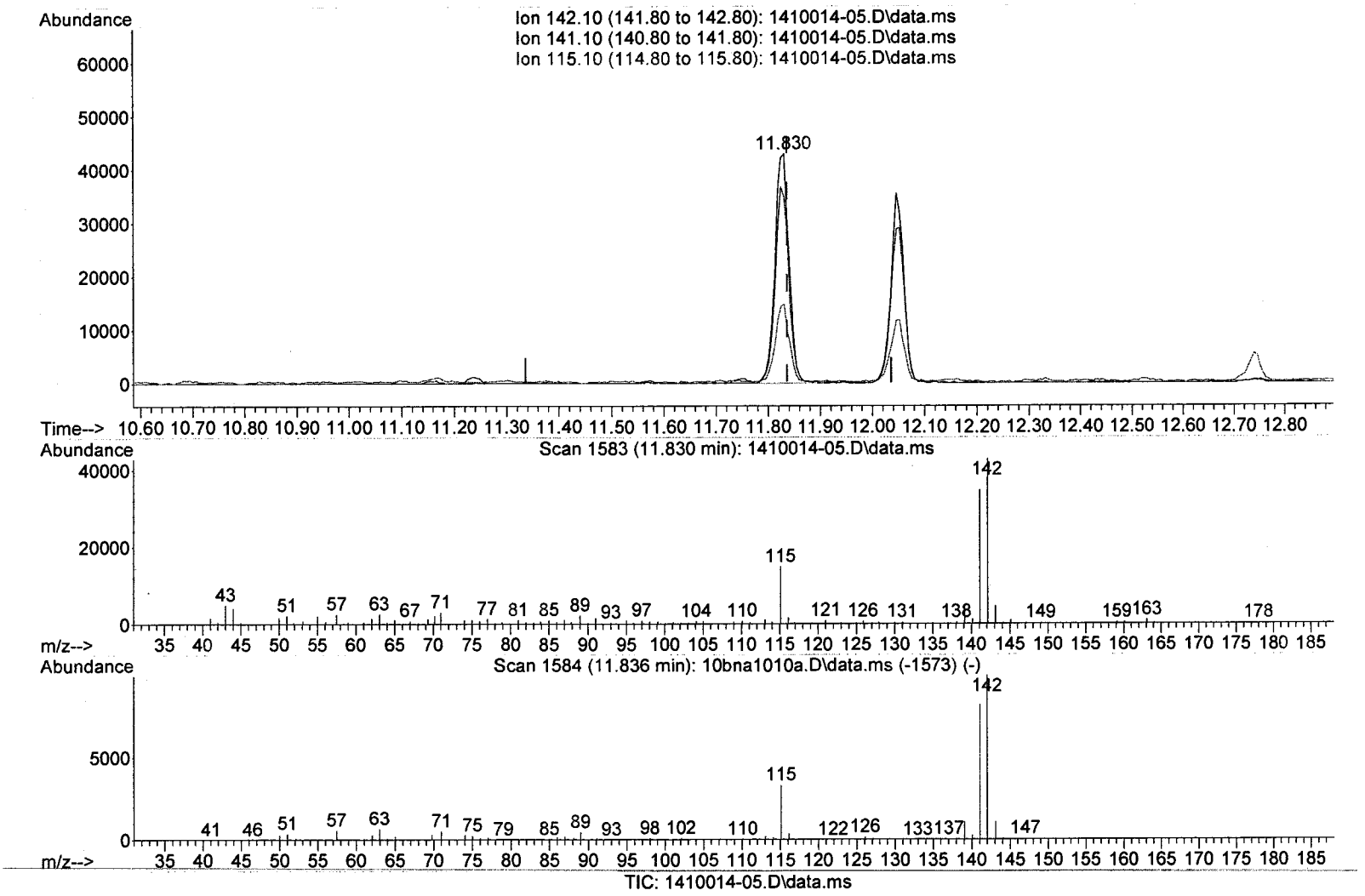
response 70977

Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	8.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(39) 2-Methylnaphthalene

11.830min (-0.006) 0.44 ng/uL

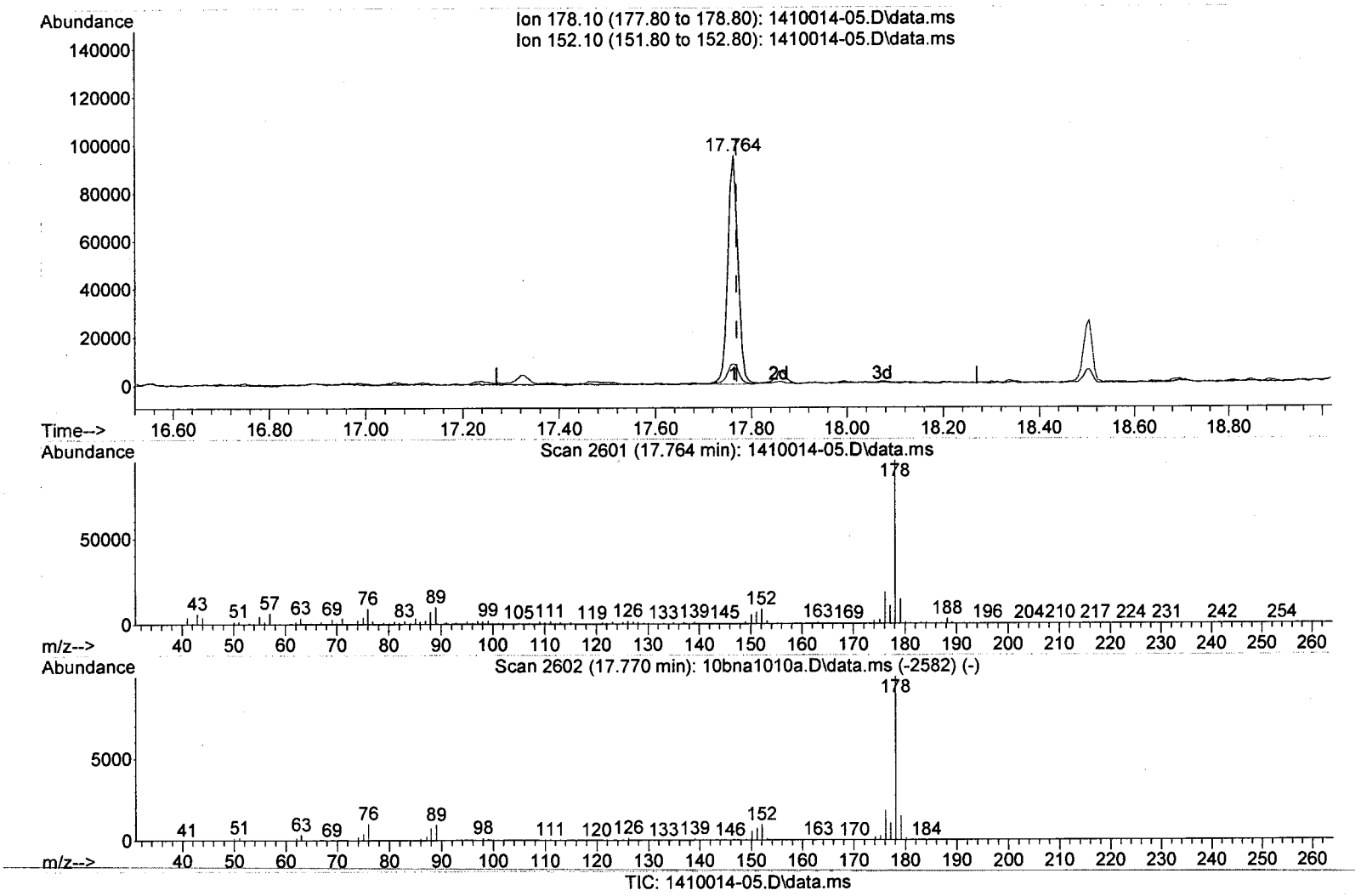
response 79279

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	83.62
115.10	33.50	33.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(75) Phenanthrene

17.764min (-0.006) 0.71 ng/uL

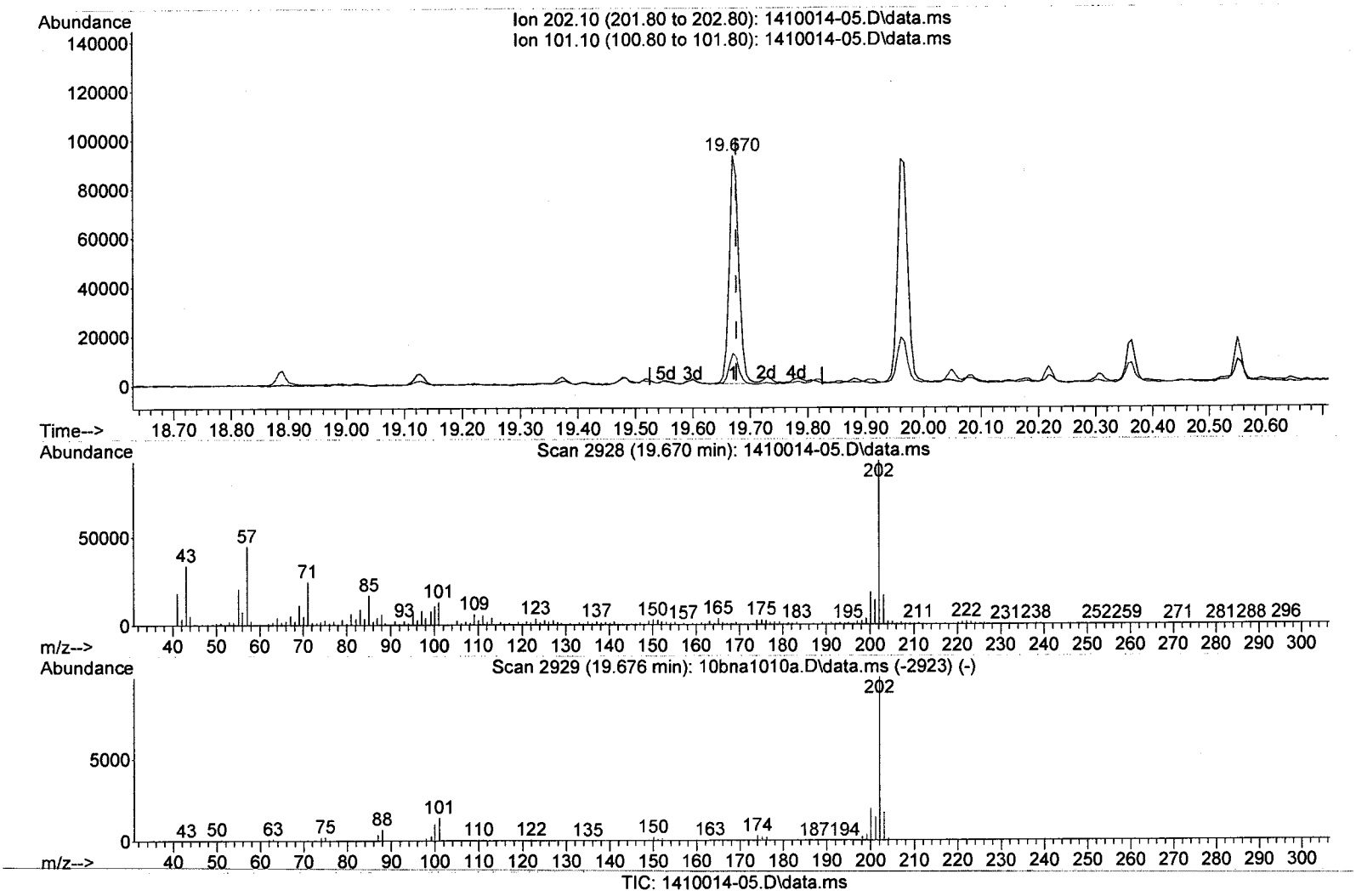
response 137092

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	9.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(80) Fluoroanthene (C)

19.670min (-0.006) 0.59 ng/uL

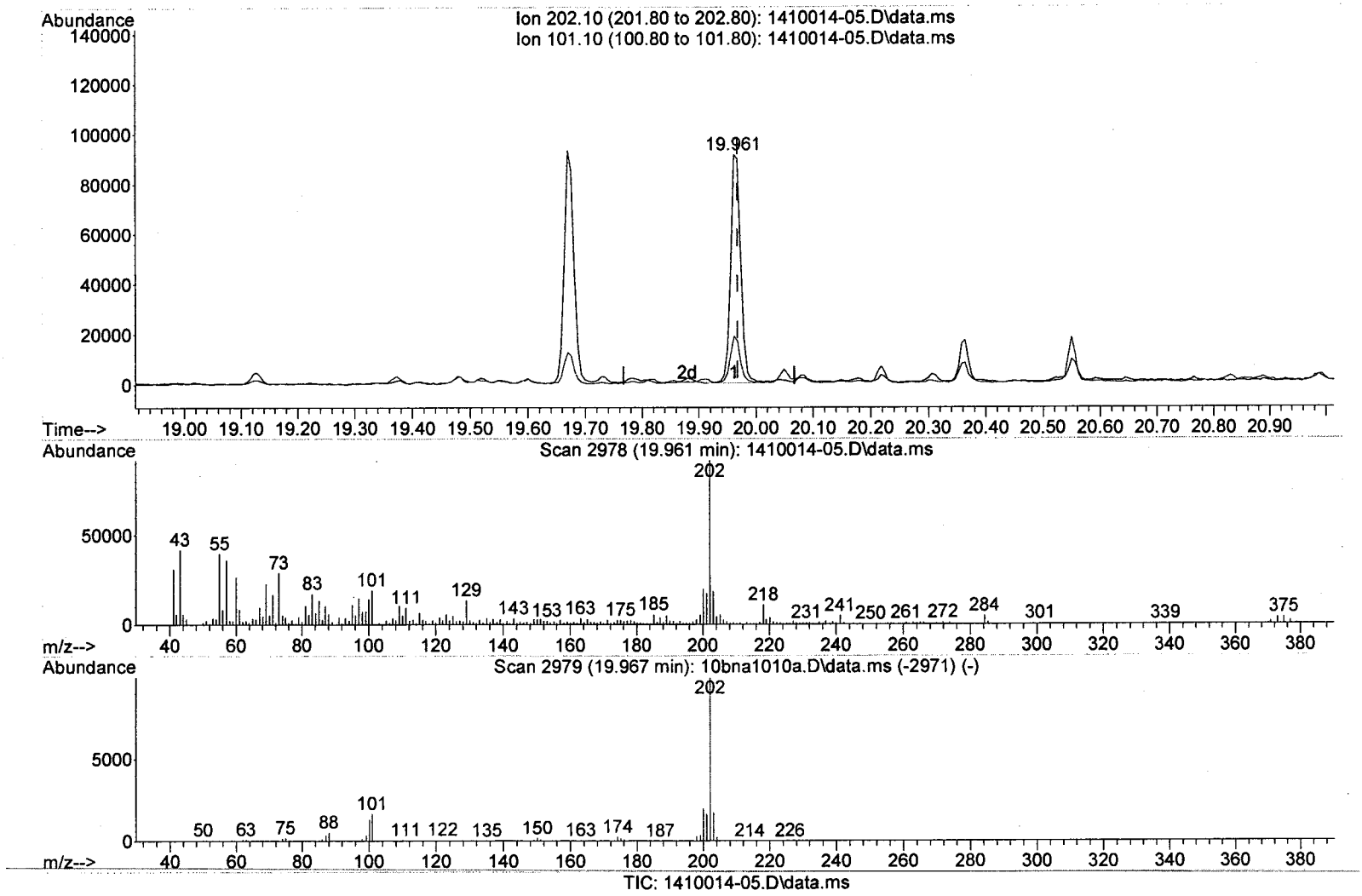
response 107966

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	14.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(82) Pyrene

19.961min (-0.006) 1.31 ng/uL

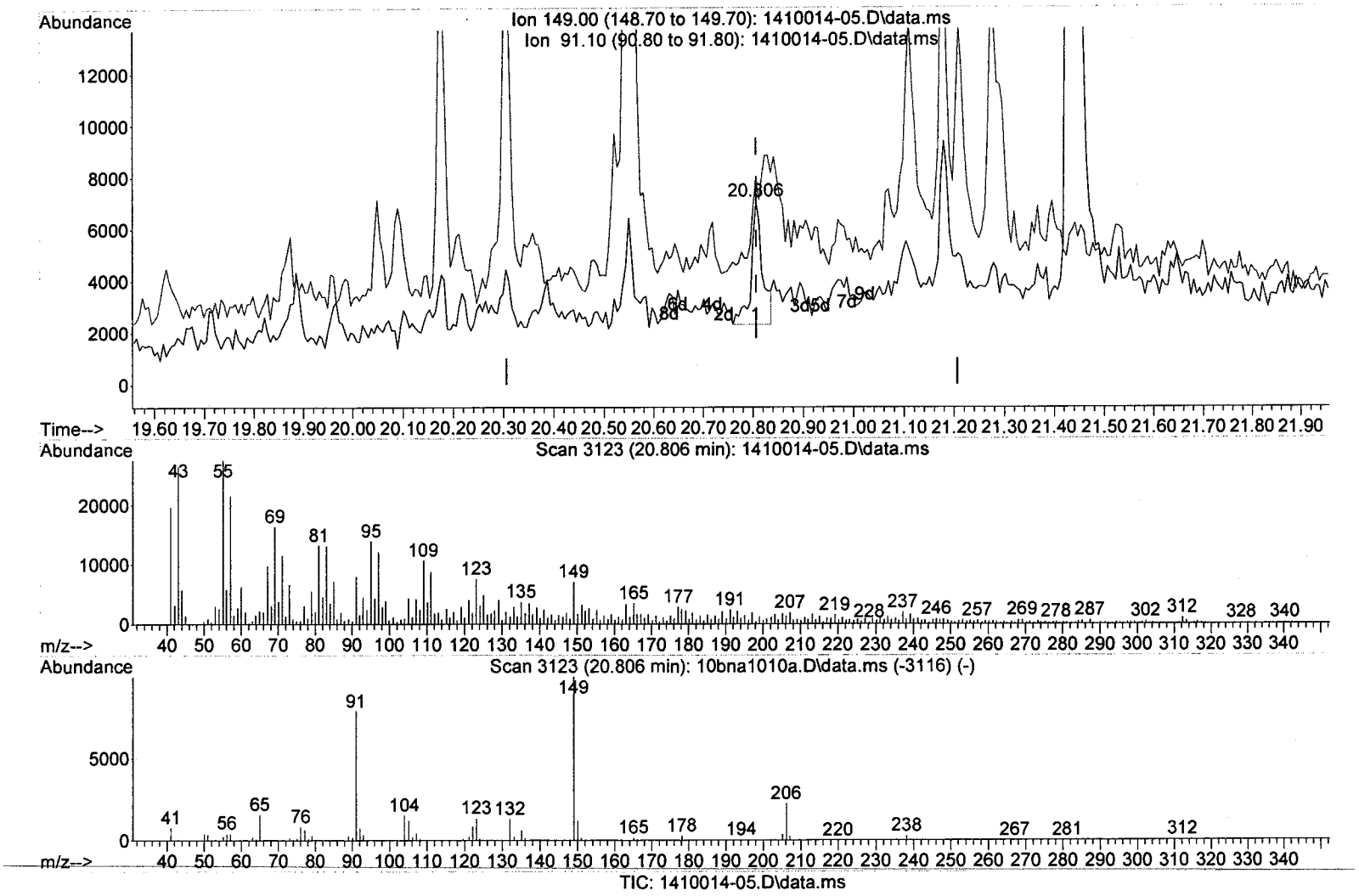
response 112678

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	20.25#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(83) Butyl Benzyl Phthalate

20.806min (-0.000) 0.22 ng/uL

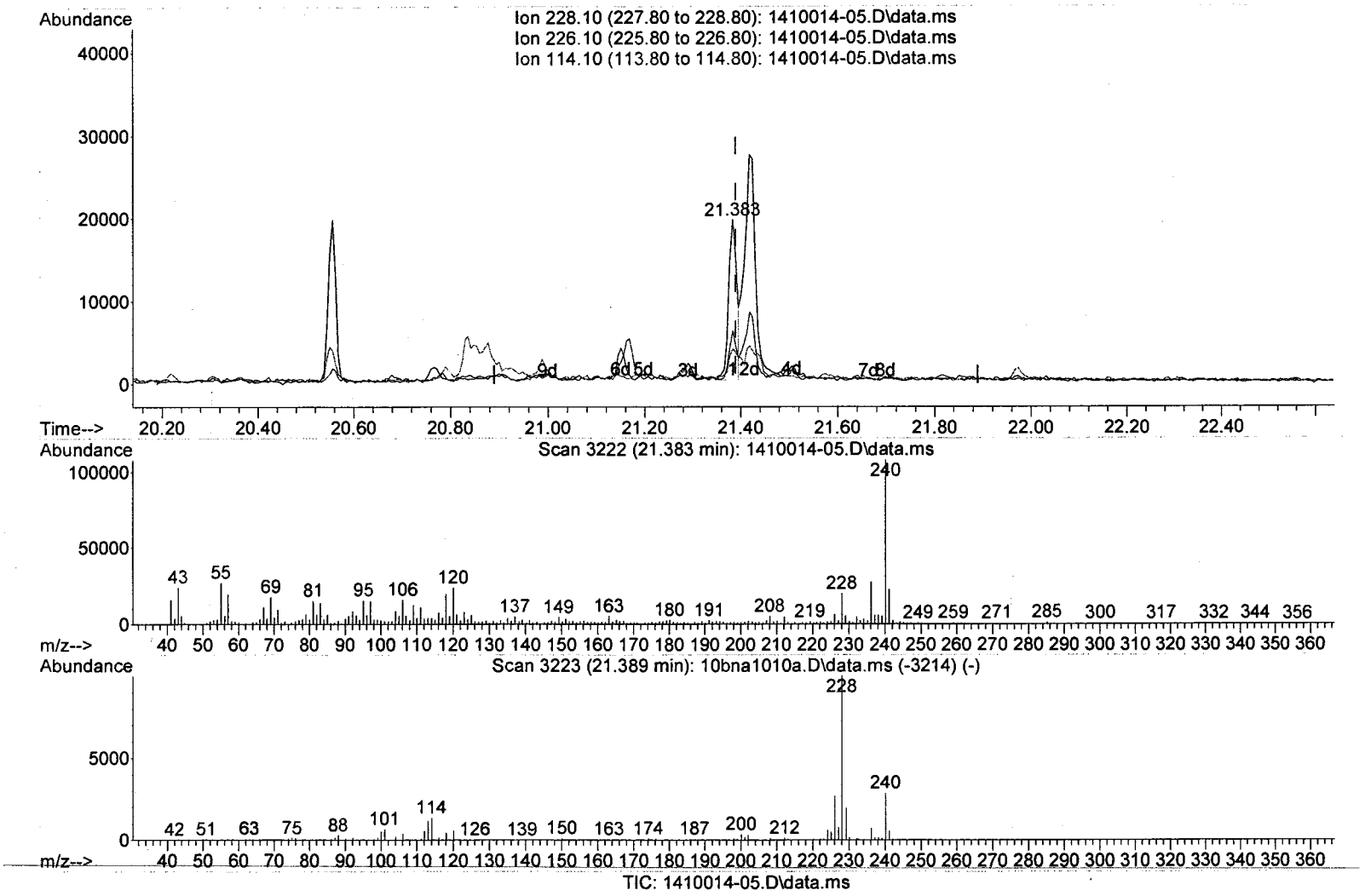
response 7550

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	222.09#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(85) Benzo(a)anthracene

21.383min (-0.006) 0.34 ng/uL

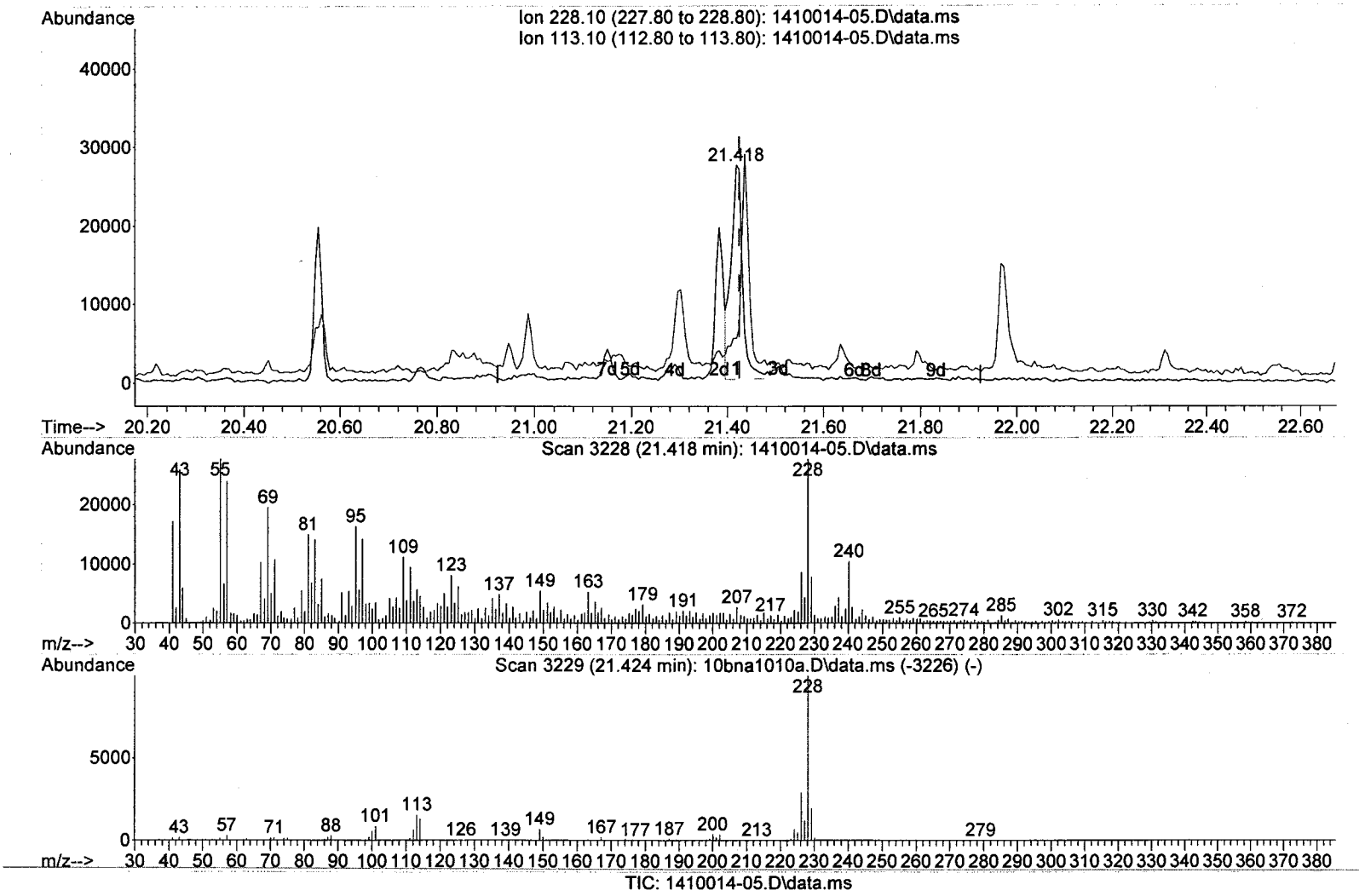
response 22664

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	28.12
114.10	13.30	29.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(86) Chrysene

21.418min (-0.006) 0.69 ng/uL

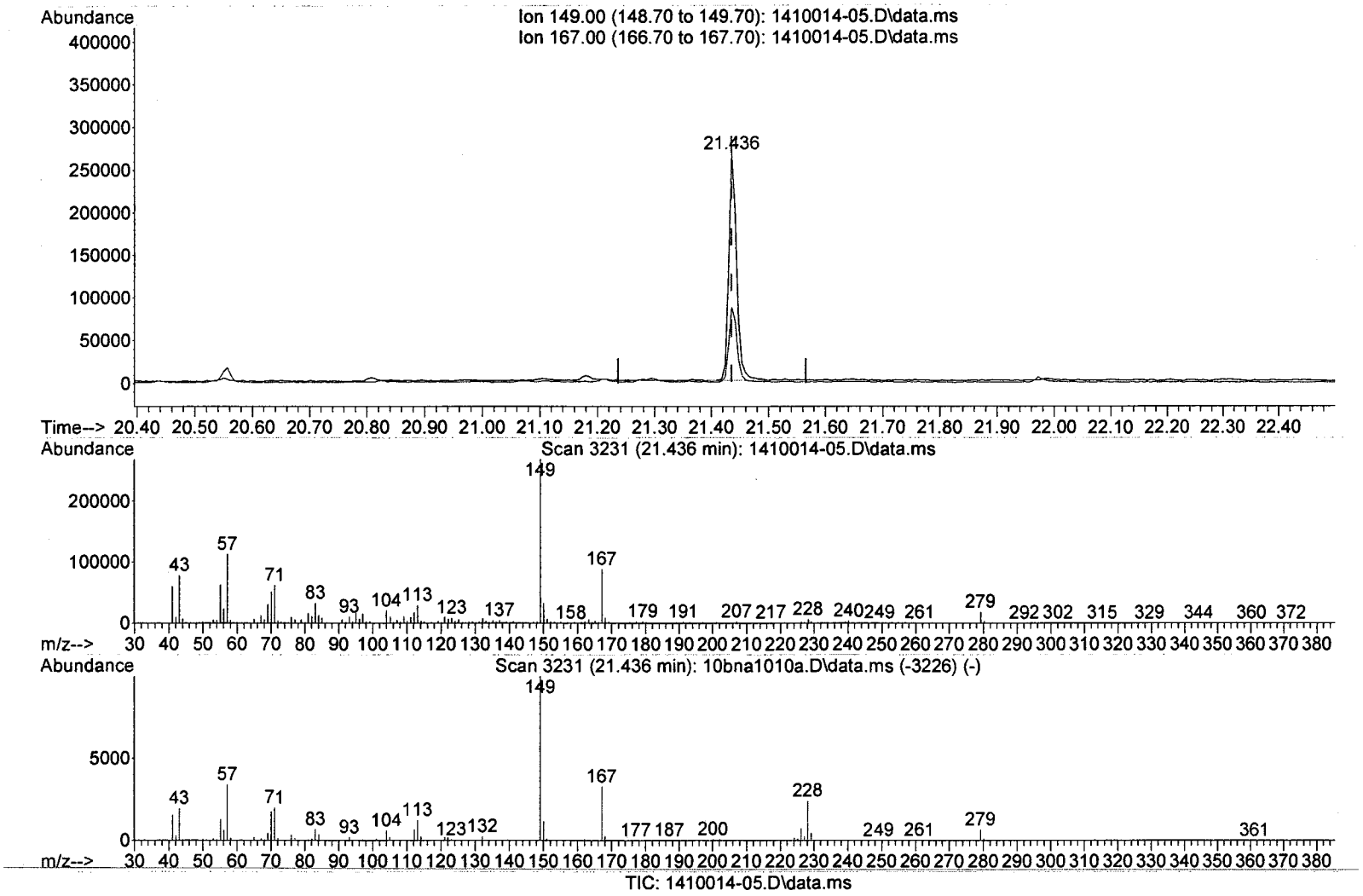
response 44293

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	67.33#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.436min (-0.000) 5.84 ng/uL

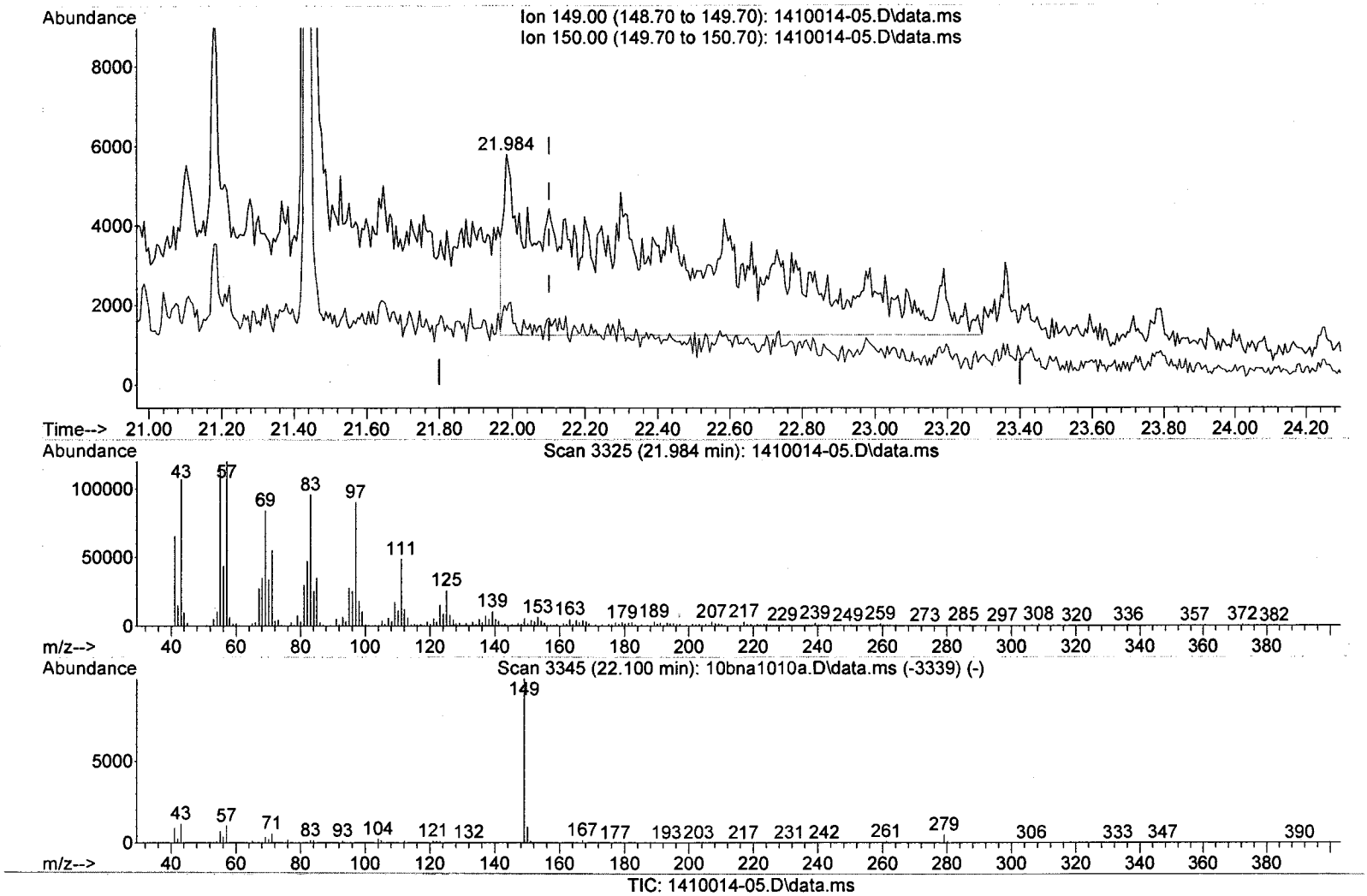
response 253307

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(88) Di-n-octyl Phthalate (C)

21.984min (-0.117) 1.99 ng/uL

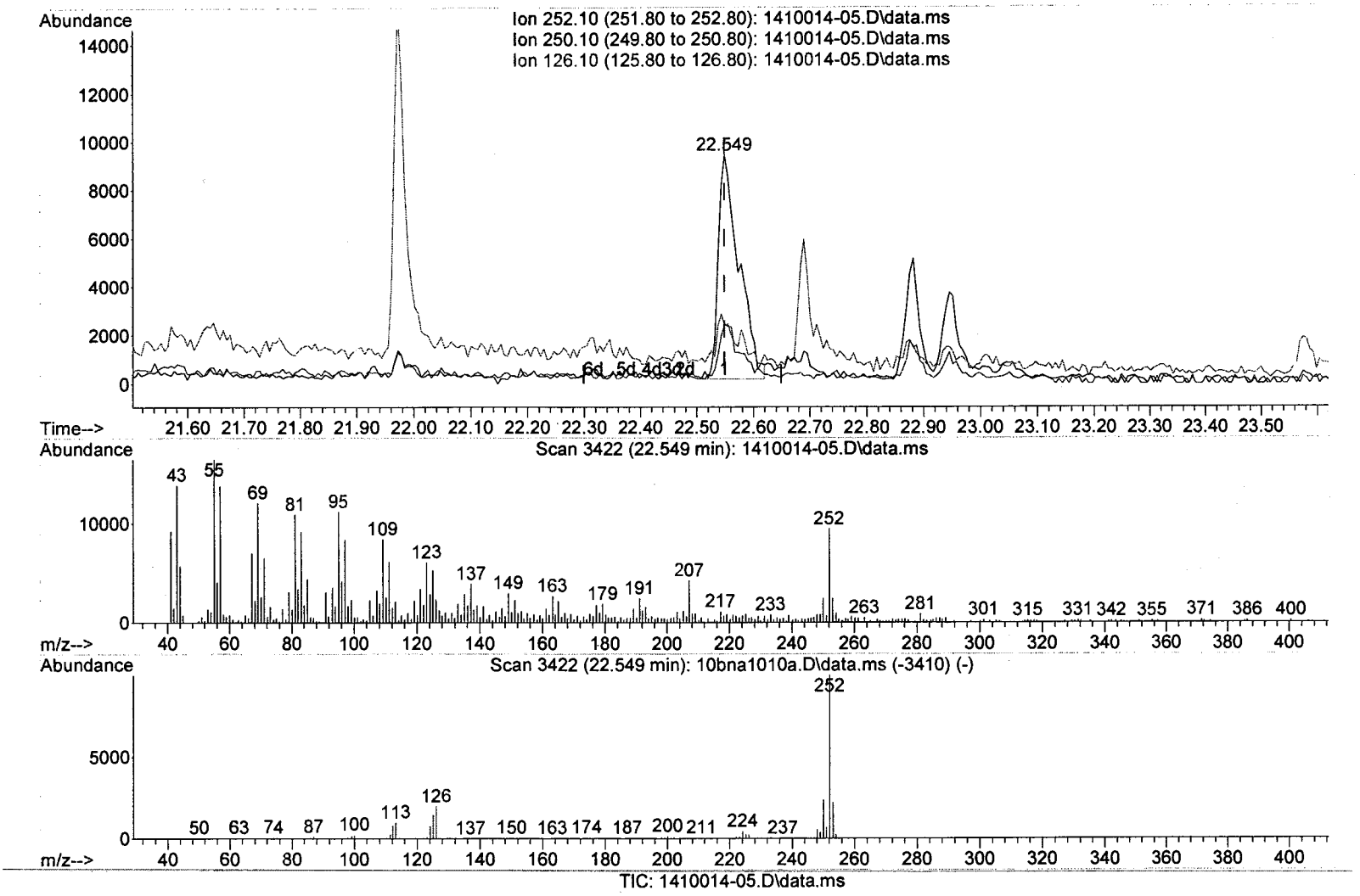
response 131440

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.30#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(90) Benzo(b)fluoroanthene

22.549min (-0.000) 1.35 ng/uL

response 23373

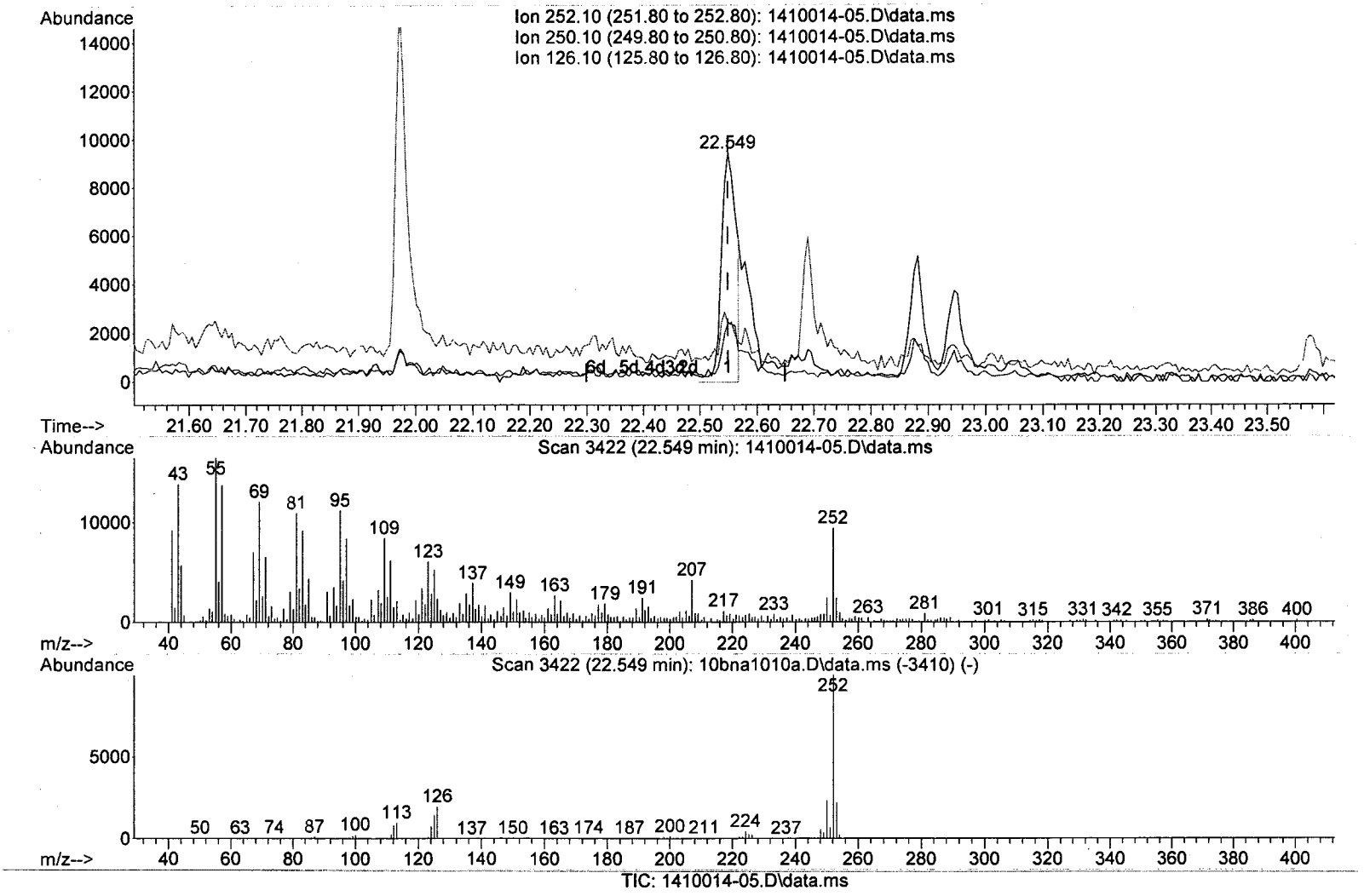
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	25.32
126.10	17.20	14.22
0.00	0.00	0.00

JLB 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(90) Benzo(b)fluoroanthene

22.549min (-0.000) 0.97 ng/uL m

response 16767

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	35.30#
126.10	17.20	19.82
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) No

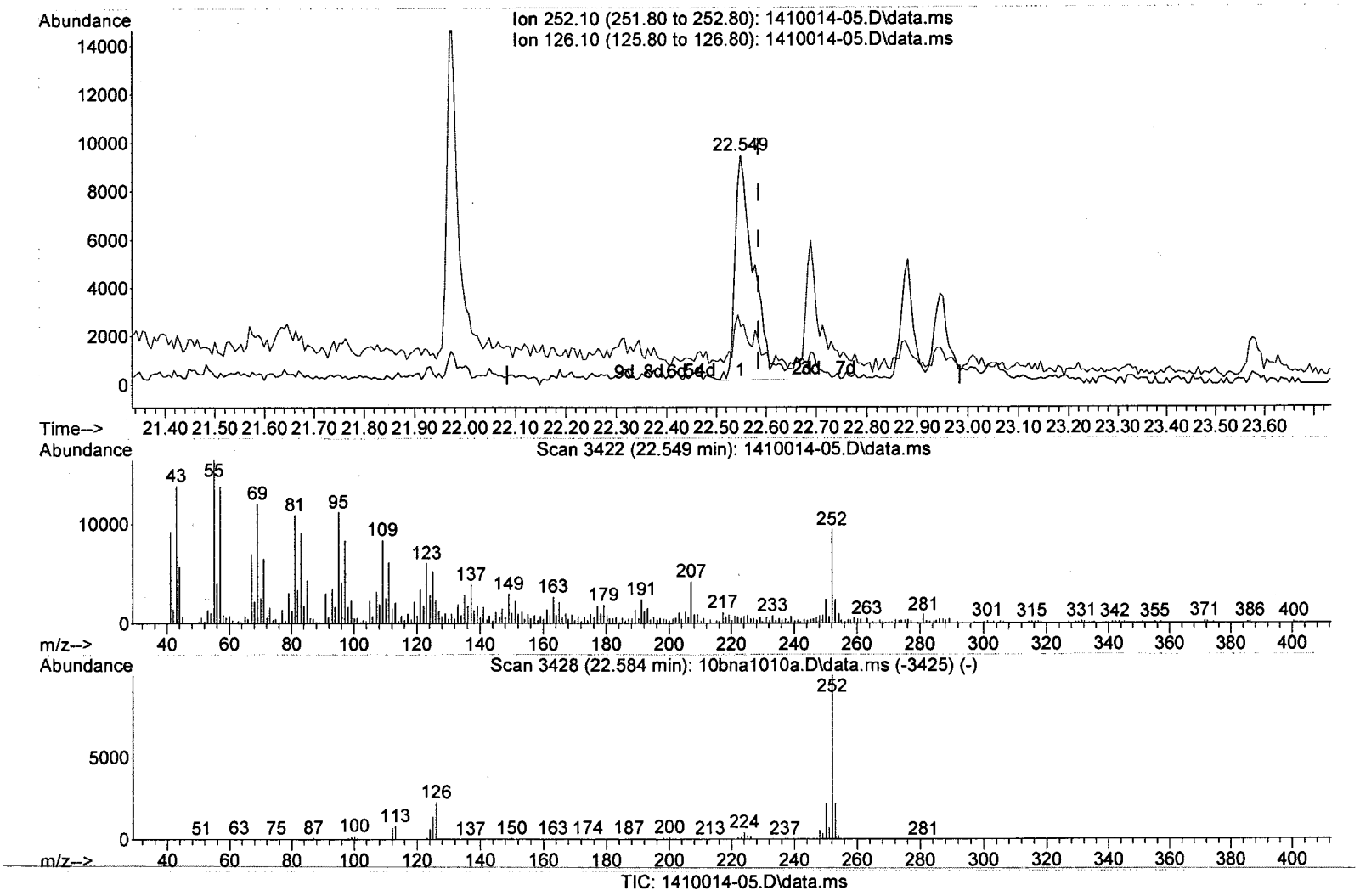
Analyst: JLB Date: 10/15/14

Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(91) Benzo(k)fluoranthene

22.549min (-0.035) 1.24 ng/uL

response 24221

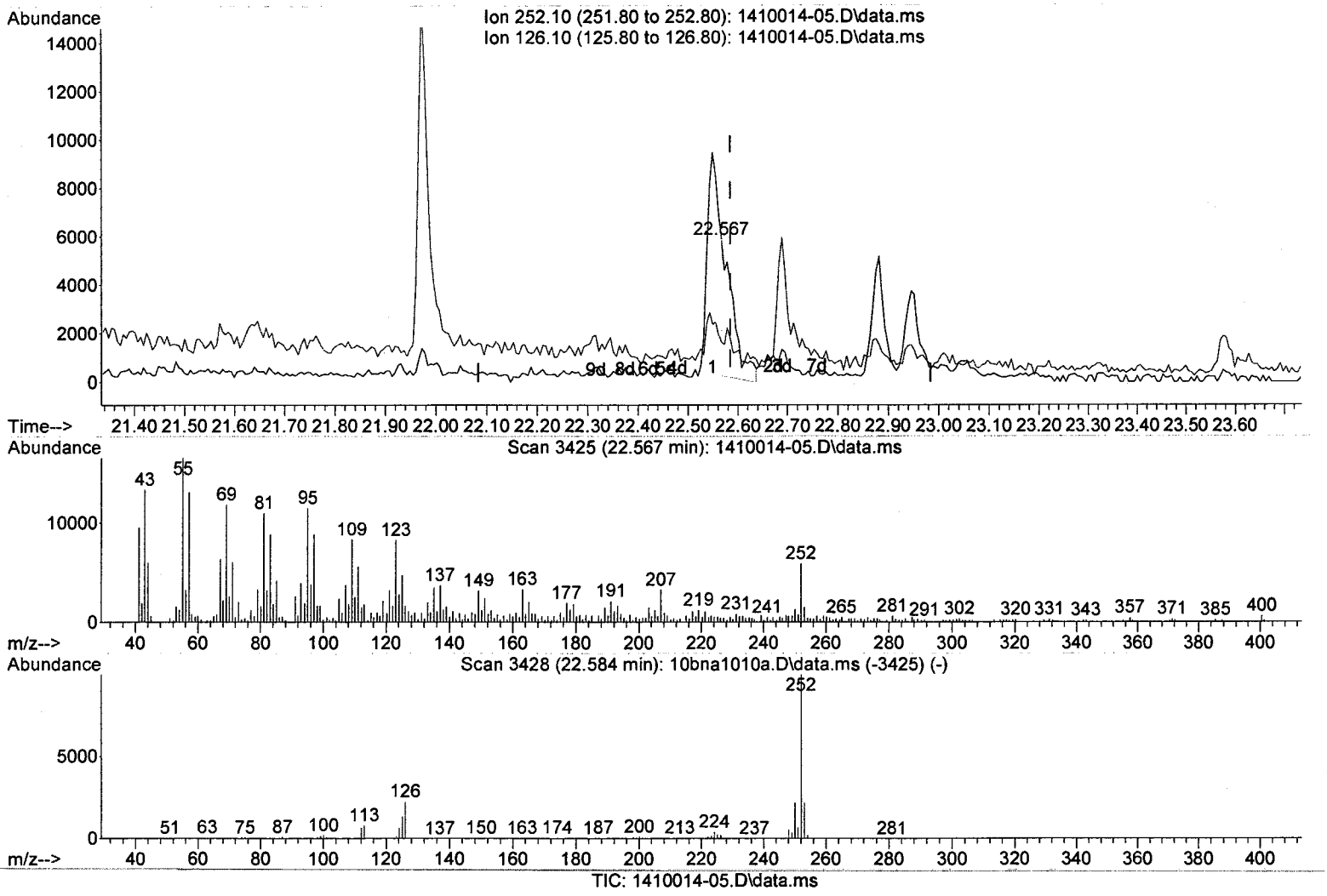
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	13.72#
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(91) Benzo(k)fluoranthene

22.567min (-0.018) 0.42 ng/uL m

response 8228

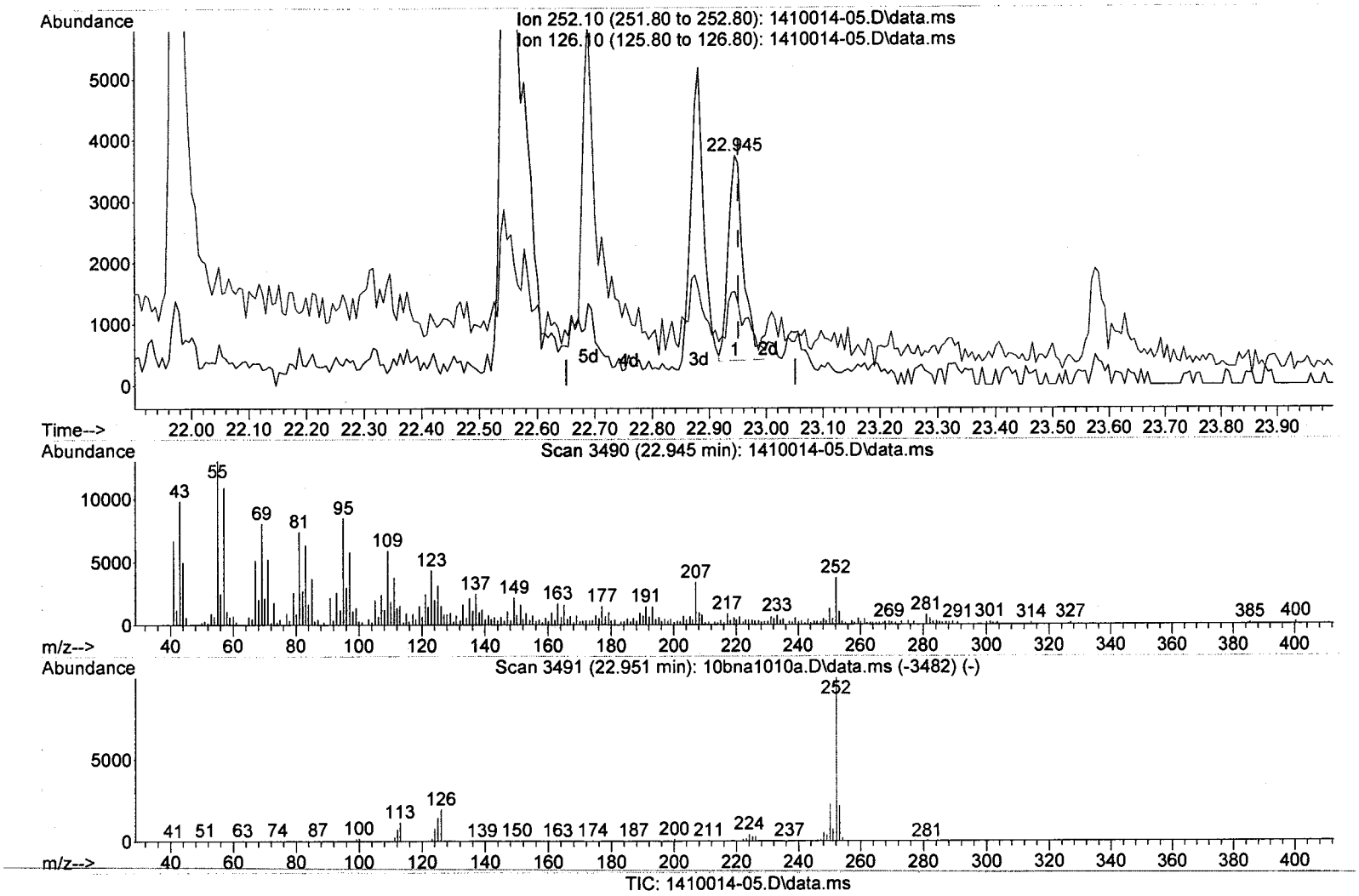
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	40.39#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

22.945min (-0.006) 0.38 ng/uL

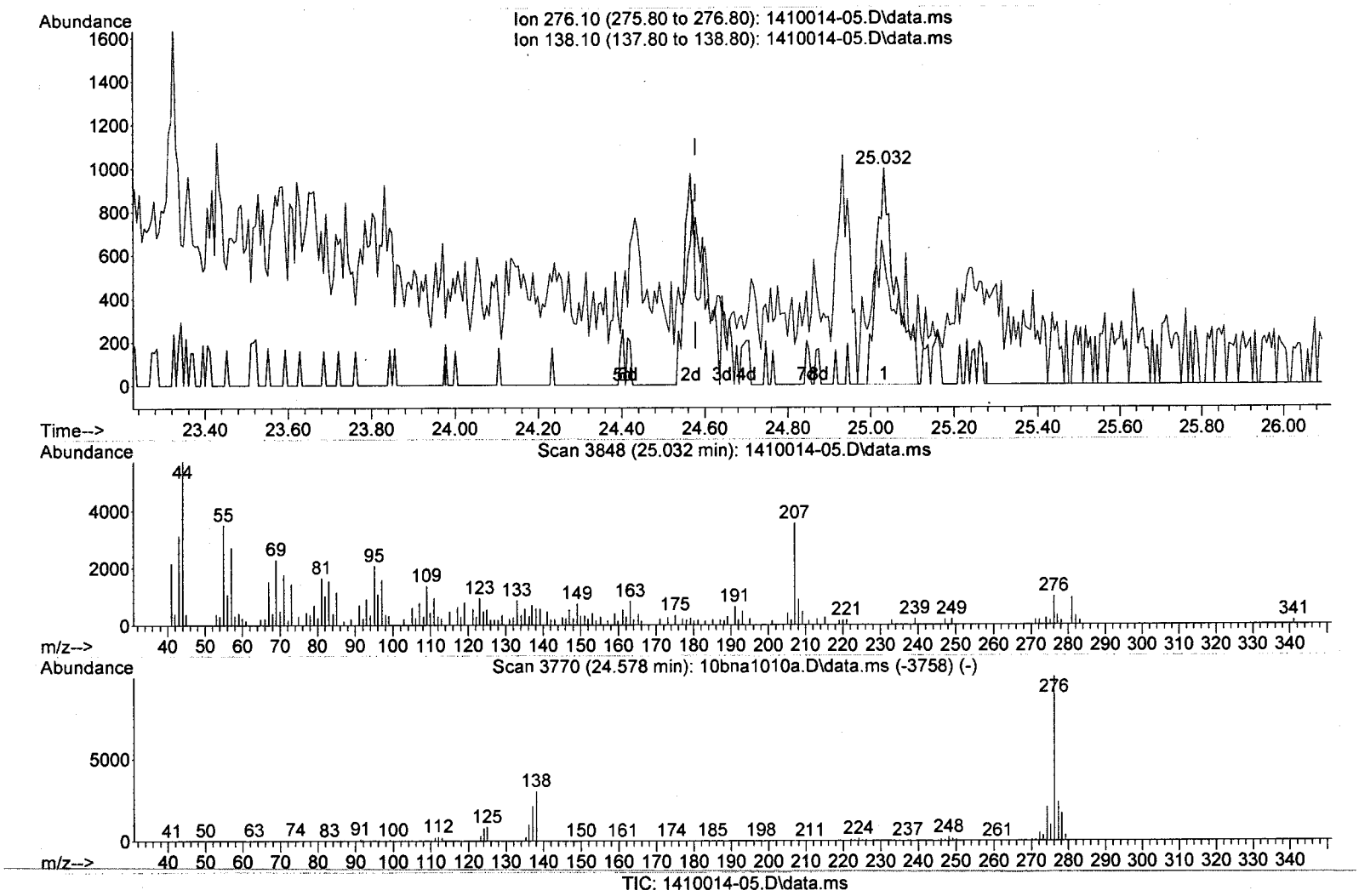
response 6251

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	32.86#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-05.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

25.032min (+ 0.455) 0.22 ng/uL

response 3168

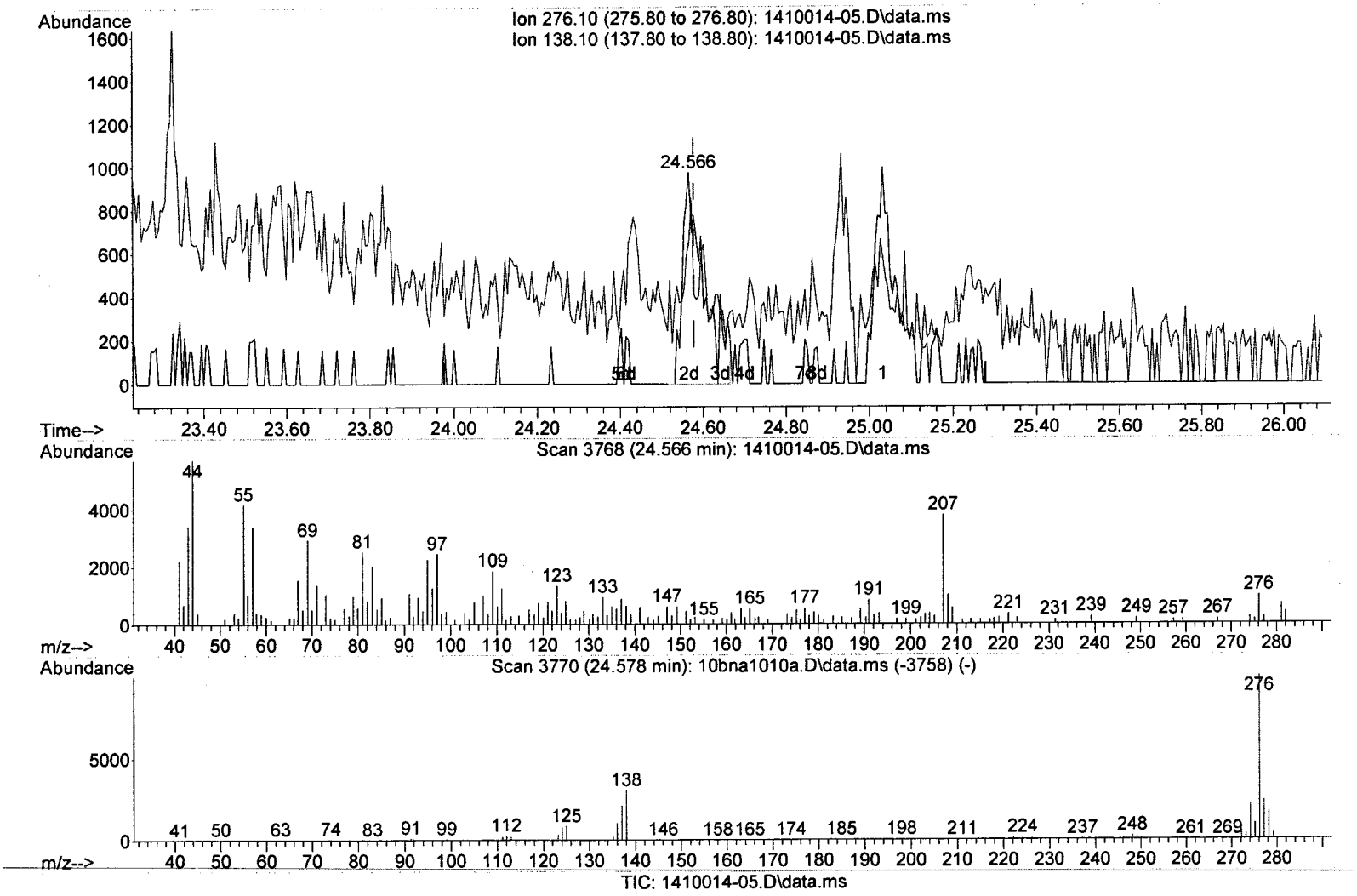
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	25.88
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(93) Indeno(1,2,3-cd)pyrene

24.566min (-0.012) 0.25 ng/uL m

response 3482

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	23.55
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

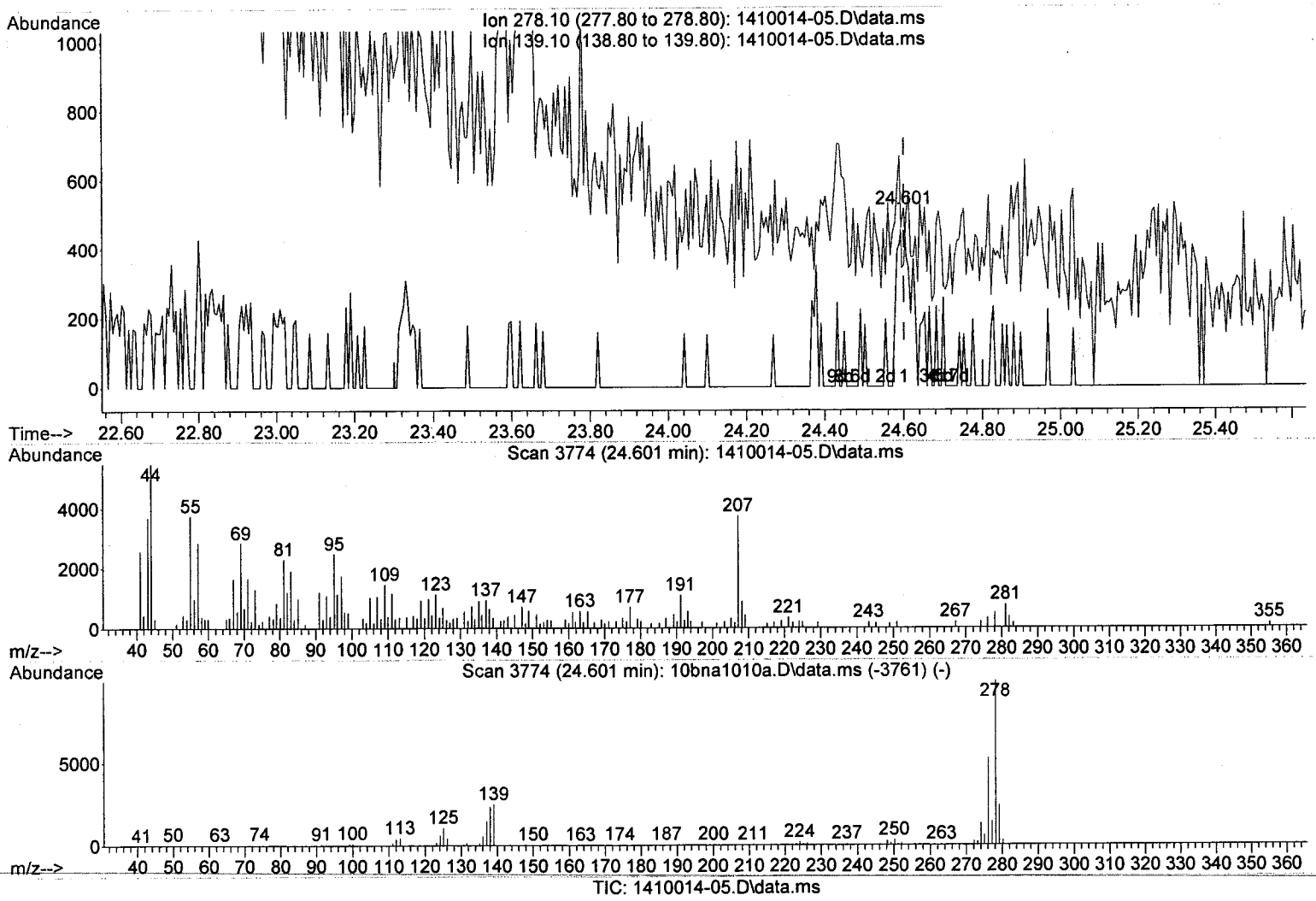
Analyst: JLB Date: 10/15/14

Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(94) Dibdenz(a,h)anthracene

24.601min (-0.000) 0.11 ng/uL

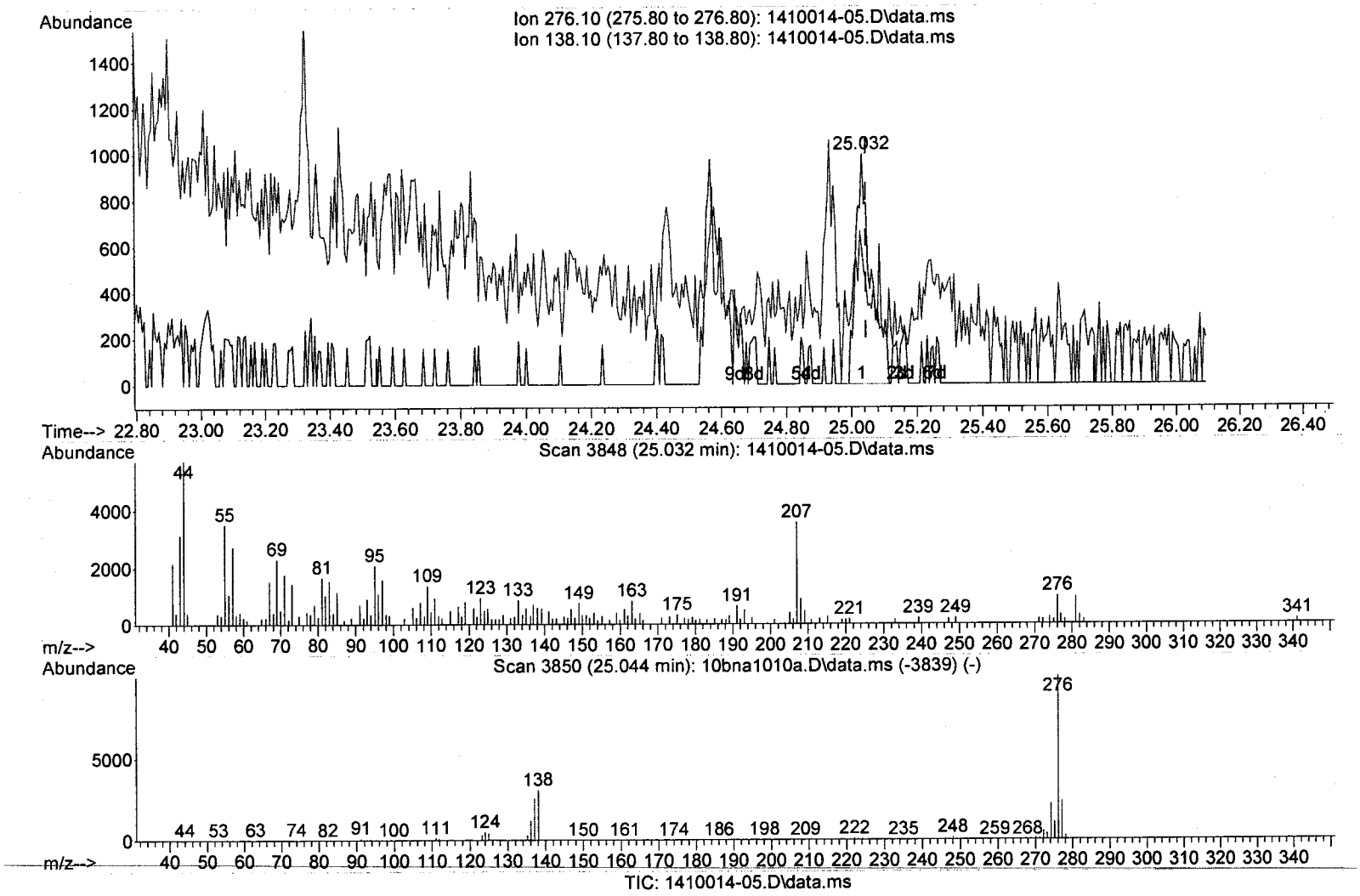
response 1226

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	11.66#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-05.D
Acq On : 11 Oct 2014 1:27
Operator : JLB
Sample : 1410014-05 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 15 09:19:12 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.032min (-0.012) 0.26 ng/uL

response 3168

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	25.88
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB10-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-05RE1
File ID: 1410014-05 10x.D
Sampled: 09/29/14 13:13
Prepared: 10/02/14 07:41
Analyzed: 10/17/14 12:40
Solids: 93.27
Preparation: 3550C Sonication Extract
Initial/Final: 29 grams / 1 mL
QC Batch: 1410563
Sequence: 4J17060
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	180	50	180	180	U
208-96-8	Acenaphthylene	10	180	45	180	180	U
120-12-7	Anthracene	10	180	43	180	180	U
56-55-3	Benzo(a)anthracene	10	89	29	89	180	U
50-32-8	Benzo(a)pyrene	10	26	25	89	180	J
205-99-2	Benzo(b)fluoranthene	10	37	20	89	180	J
207-08-9	Benzo(k)fluoranthene	10	22	21	89	180	J
191-24-2	Benzo(g,h,i)perylene	10	26	20	89	360	J
65-85-0	Benzoic Acid	10	1800	740	1800	3600	U
100-51-6	Benzyl Alcohol	10	180	49	180	180	U
101-55-3	4-Bromophenyl Phenyl Ether	10	180	43	180	180	U
85-68-7	Butyl Benzyl Phthalate	10	180	43	180	360	U
86-74-8	Carbazole	10	180	43	180	1800	U
59-50-7	4-Chloro-3-methylphenol	10	180	54	180	180	U
106-47-8	4-Chloroaniline	10	180	95	180	720	U
111-91-1	Bis(2-chloroethoxy)methane	10	180	43	180	180	U
111-44-4	Bis(2-chloroethyl) Ether	10	180	42	180	180	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	89	39	89	180	U
91-58-7	2-Chloronaphthalene	10	180	53	180	180	U
95-57-8	2-Chlorophenol	10	180	42	180	180	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	180	41	180	180	U
218-01-9	Chrysene	10	180	42	180	180	U
53-70-3	Dibenz(a,h)anthracene	10	89	20	89	360	U
132-64-9	Dibenzofuran	10	180	53	180	180	U
84-74-2	Di-n-butyl Phthalate	10	360	140	360	720	U
106-46-7	1,4-Dichlorobenzene	10	180	52	180	180	U
95-50-1	1,2-Dichlorobenzene	10	180	59	180	180	U
541-73-1	1,3-Dichlorobenzene	10	180	61	180	180	U
91-94-1	3,3´-Dichlorobenzidine	10	7100	3000	7100	8900	U
120-83-2	2,4-Dichlorophenol	10	180	44	180	360	U
84-66-2	Diethyl Phthalate	10	180	52	180	180	U
105-67-9	2,4-Dimethylphenol	10	1400	390	1400	1800	U
131-11-3	Dimethyl Phthalate	10	180	51	180	180	U
534-52-1	4,6-Dinitro-2-methylphenol	10	710	230	710	1800	U
51-28-5	2,4-Dinitrophenol	10	1800	600	1800	1800	U
606-20-2	2,6-Dinitrotoluene	10	89	43	89	180	U
121-14-2	2,4-Dinitrotoluene	10	89	35	89	360	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB10-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-05RE1 File ID: 1410014-05 10x.D

Sampled: 09/29/14 13:13 Prepared: 10/02/14 07:41 Analyzed: 10/17/14 12:40

Solids: 93.27 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410563 Sequence: 4J17060 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	140	41	180	180	JB
122-66-7	1,2-Diphenylhydrazine	10	89	36	89	180	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	140	120	180	360	JB
206-44-0	Fluoranthene	10	180	48	180	180	U
86-73-7	Fluorene	10	180	43	180	360	U
118-74-1	Hexachlorobenzene	10	180	51	180	180	U
87-68-3	Hexachlorobutadiene	10	180	49	180	180	U
67-72-1	Hexachloroethane	10	180	54	180	180	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	41	29	89	360	J
78-59-1	Isophorone	10	180	41	180	180	U
91-57-6	2-Methylnaphthalene	10	180	49	180	180	U
108-39-4	3+4-Methylphenol	10	89	39	89	180	U
95-48-7	2-Methylphenol	10	89	38	89	180	U
91-20-3	Naphthalene	10	180	60	180	180	U
100-01-6	4-Nitroaniline	10	720	260	720	3500	U
88-74-4	2-Nitroaniline	10	89	38	89	180	U
99-09-2	3-Nitroaniline	10	360	180	360	3500	U
98-95-3	Nitrobenzene	10	180	49	180	180	U
88-75-5	2-Nitrophenol	10	180	48	180	180	U
100-02-7	4-Nitrophenol	10	3600	1100	3600	7200	U
62-75-9	N-Nitroso-dimethylamine	10	72	35	72	360	U
86-30-6	N-Nitroso-diphenylamine	10	89	37	89	180	U
621-64-7	N-Nitroso-di-n-propylamine	10	180	43	180	180	U
87-86-5	Pentachlorophenol	10	180	140	180	1800	U
85-01-8	Phenanthrene	10	180	44	180	180	U
108-95-2	Phenol	10	180	42	180	1800	U
129-00-0	Pyrene	10	180	46	180	180	U
120-82-1	1,2,4-Trichlorobenzene	10	180	47	180	180	U
95-95-4	2,4,5-Trichlorophenol	10	180	48	180	180	U
88-06-2	2,4,6-Trichlorophenol	10	89	27	89	180	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	739	684	92	33 - 113	D
Phenol-d6	739	621	84	30 - 115	D
Nitrobenzene-d5	370	296	80	33 - 131	D
2-Fluorobiphenyl	370	377	102	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB10-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-05RE1 File ID: 1410014-05 10x.D

Sampled: 09/29/14 13:13 Prepared: 10/02/14 07:41 Analyzed: 10/17/14 12:40

Solids: 93.27 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410563 Sequence: 4J17060 Calibration: 4J06006 Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	739	492	67	12 - 124	D
o-Terphenyl	370	451	122	20 - 155	D

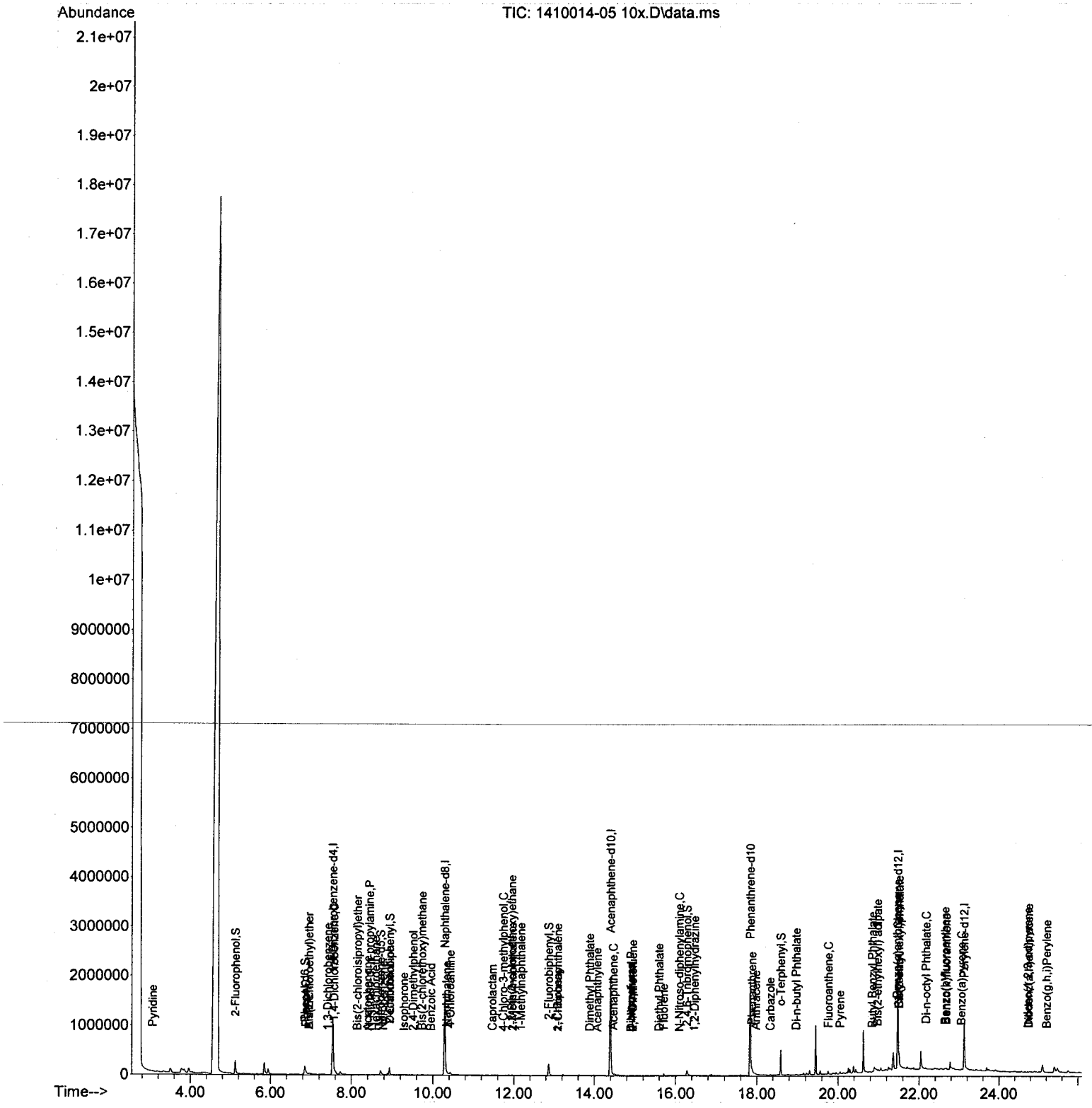
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	421995	7.538	403279	7.614	
Naphthalene-d8	1727316	10.289	1529030	10.359	
Acenaphthene-d10	940693	14.398	866604	14.474	
Phenanthrene-d10	1338807	17.831	1400442	17.901	
Chrysene-d12	1141938	21.468	1153654	21.538	
Perylene-d12	694147	23.124	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:55:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:55:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.538	152	421995	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.289	136	1727316	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	940693	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.831	188	1338807	5.00	ng/uL	-0.01
81) Chrysene-d12	21.468	240	1141938	5.00	ng/uL	#-0.01
89) Perylene-d12	23.124	264	694147	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.119	112	178336	1.85	ng/uL	0.02
6) Phenol-d6	6.850	99	209783	1.68	ng/uL	-0.01
21) Nitrobenzene-d5	8.709	82	88477	0.80	ng/uL	-0.02
23) Decafluorobiphenyl	8.937	334	66731	0.86	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.865	172	197787	1.02	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	26956	1.33	ng/uL	-0.02
78) o-Terphenyl	18.595	230	139973	1.22	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.		
3) Pyridine	3.061	79	556	0.01	ng/uL	85
5) Aniline	6.949	93	420	0.23	ng/uL#	86
7) Phenol	6.873	94	9918	0.07	ng/uL#	33
8) Bis(2-chloroethyl)ether	6.949	93	420	0.00	ng/uL#	59
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.415	146	133	0.00	ng/uL	99
11) 1,4-Dichlorobenzene	7.567	146	128	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.150	45	1362	0.01	ng/uL#	51
14) Benzyl Alcohol	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
16) Acetophenone	8.395	105	1615	0.01	ng/uL#	53
17) Hexachloroethane	8.587	119	730	0.02	ng/uL#	3
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.441	70	287	0.00	ng/uL#	1
22) Nitrobenzene	8.773	77	228	0.00	ng/uL#	30
24) Isophorone	9.286	82	85	0.00	ng/uL#	58
25) 2-Chloroaniline	8.931	127	974	0.01	ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.514	107	68	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.729	93	287	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.951	105	930	RT 2.46	ng/uL#	19
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.336	128	8639	0.03	ng/uL#	1
33) 4-Chloroaniline	10.423	127	113	0.00	ng/uL	90
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.460	55	6394	0.13	ng/uL#	39
37) 1,2-Bis(2-chloroethoxy...	11.950	63	385	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.734	107	138	0.00	ng/uL#	17
39) 2-Methylnaphthalene	11.962	142	7665	0.03	ng/uL	94
40) 1-Methylnaphthalene	12.172	142	7781	0.04	ng/uL	94
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:55:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.087	162	59	0.00	ng/uL#	35
49) 1,1'-Biphenyl	13.081	154	1498	0.01	ng/uL	95
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.072	152	575	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.		
53) Dimethyl Phthalate	13.885	163	1774	0.01	ng/uL#	1
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.468	153	2083	0.01	ng/uL#	86
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.899	168	2208	0.01	ng/uL	93
58) 4-Nitrophenol	14.911	65	201	0.01	ng/uL#	1
59) 2,4-Dinitrotoluene	14.946	165	192	0.00	ng/uL#	23
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.710	166	1336	0.01	ng/uL#	42
63) Diethyl Phthalate	15.593	149	1706	0.01	ng/uL#	78
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.		
65) 4-Nitroaniline	0.000		0	N.D.		
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
68) N-Nitroso-diphenylamine	16.094	169	149	0.00	ng/uL#	26
69) 1,2-Diphenylhydrazine	16.467	182	53	0.00	ng/uL	96
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	0.000		0	N.D.		
75) Phenanthrene	17.878	178	22859	0.09	ng/uL	98
76) Anthracene	17.971	178	2830	0.01	ng/uL#	89
77) Carbazole	18.332	167	985	0.00	ng/uL#	67
79) Di-n-butyl Phthalate	18.974	149	5568	0.02	ng/uL#	92
80) Fluoroanthene	19.760	202	17749	0.07	ng/uL#	81
82) Pyrene	20.052	202	19306	0.07	ng/uL#	87
83) Butyl Benzyl Phthalate	20.845	149	258	0.00	ng/uL	100
84) Bis(2-ethylhexyl) adipate	20.979	129	983	0.08	ng/uL#	100
85) Benzo(a)anthracene	21.457	228	9252	0.04	ng/uL#	37
86) Chrysene	21.497	228	13753	0.07	ng/uL#	3
87) Bis(2-ethylhexyl)phtha...	21.503	149	53321m	0.39	ng/uL	
88) Di-n-octyl Phthalate	22.174	149	7367m	0.37	ng/uL	
90) Benzo(b)fluoroanthene	22.640	252	12589	0.10	ng/uL#	89
91) Benzo(k)fluoranthene	22.675	252	8558	0.06	ng/uL#	71
92) Benzo(a)pyrene	23.054	252	8524	0.07	ng/uL	97
93) Indeno(1,2,3-cd)pyrene	24.732	276	11363	0.11	ng/uL	97
94) Dibdenz(a,h)anthracene	24.756	278	4179m	0.05	ng/uL	
95) Benzo(g,h,i)Perylene	25.204	276	6395	0.07	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:52:59 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 11:49:49 2014
Response via : Initial Calibration

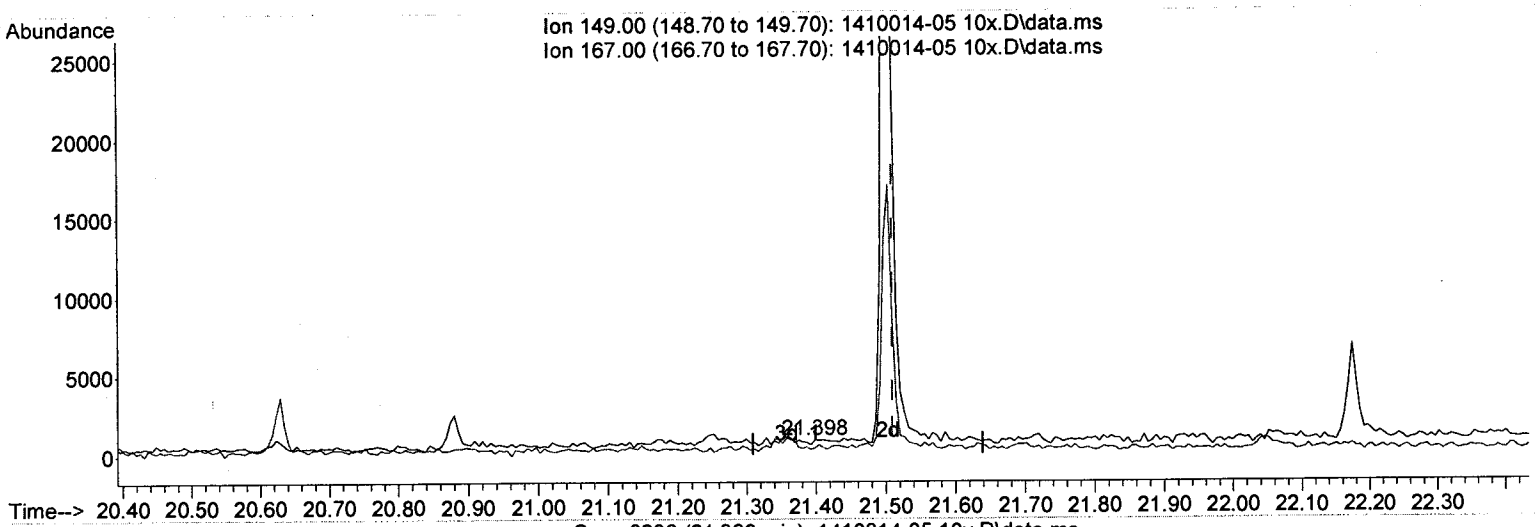
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.538	152	409558	5.00	ng/uL	#-0.04
8) Naphthalene-d8	10.289	136	1727316	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.398	164	912291	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.831	188	1495810	5.00	ng/uL	0.00
19) Chrysene-d12	21.468	240	1141938	5.00	ng/uL	# 0.00
22) Perylene-d12	23.124	264	706879	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.		
3) Pyridine	3.061	79	556	0.00	ng/uL	85
4) Aniline	6.949	93	420	0.00	ng/uL#	86
5) Benzaldehyde	6.698	105	1380	0.02	ng/uL#	25
6) Acetophenone	8.395	105	1615	0.01	ng/uL#	53
7) N-Nitroso-di-n-propyla...	8.441	70	287	0.00	ng/uL#	1
9) 4-Chloroaniline	10.330	127	946	0.02	ng/uL#	1
10) Caprolactam	11.361	55	563	0.11	ng/uL#	1
12) 1,1'-Biphenyl	13.081	154	1498	0.01	ng/uL	95
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	16.077	169	773	0.00	ng/uL#	45
18) Atrazine	0.000		0	N.D.		
20) Benzidine	19.953	184	268	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.480	252	139	0.00	ng/uL	88

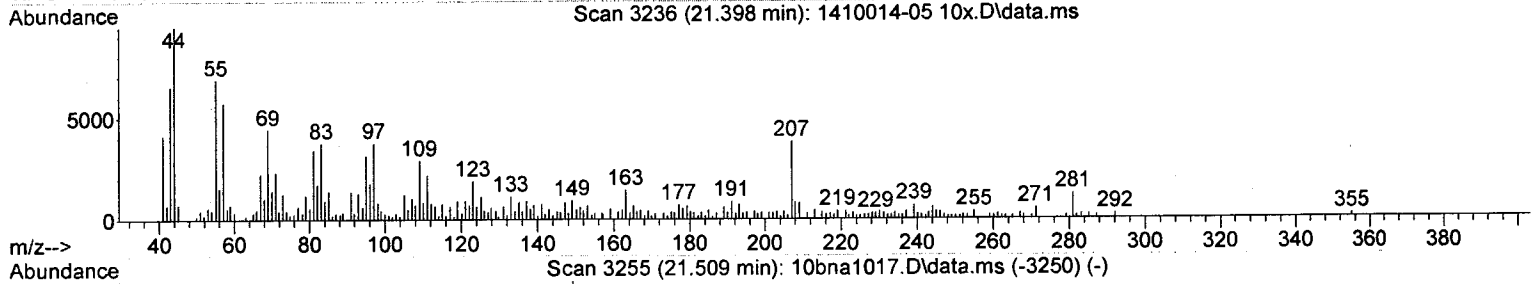
(#) = qualifier out of range (m) = manual integration (+) = signals summed

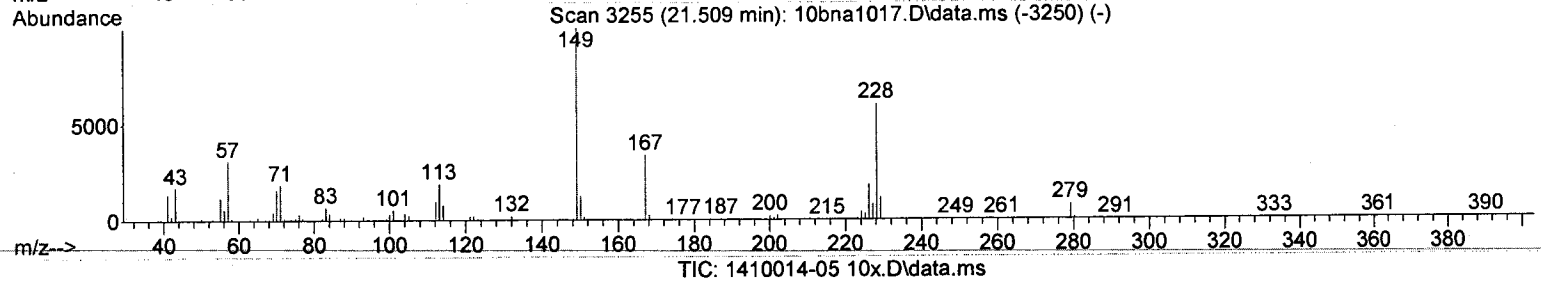
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:53:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1410014-05 10x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.398min (-0.111) 0.00 ng/uL

response 641

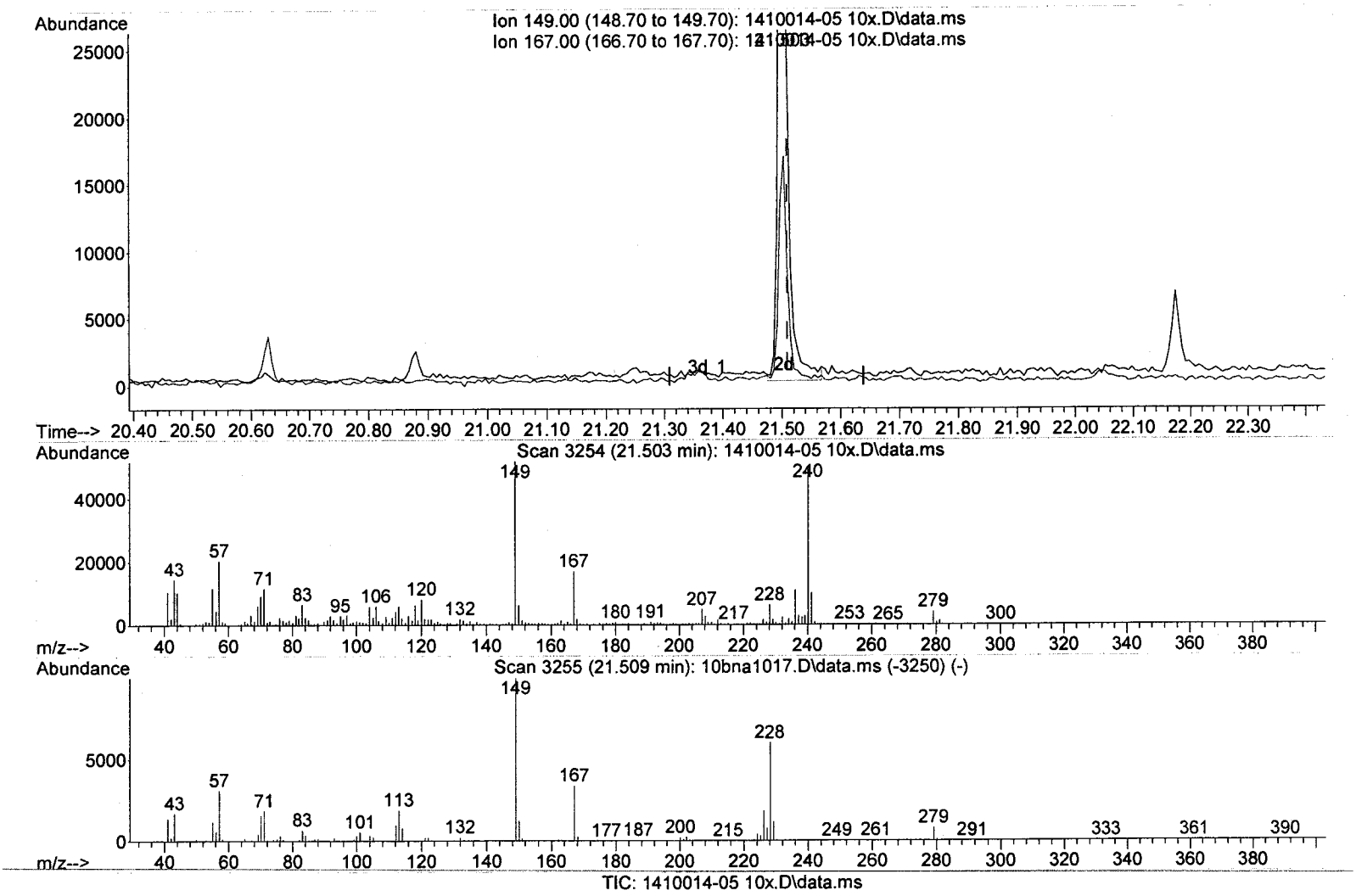
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	30.27
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/17/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:53:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410014-05 10x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.503min (-0.006) 0.39 ng/uL m

response 53321

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	0.36#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

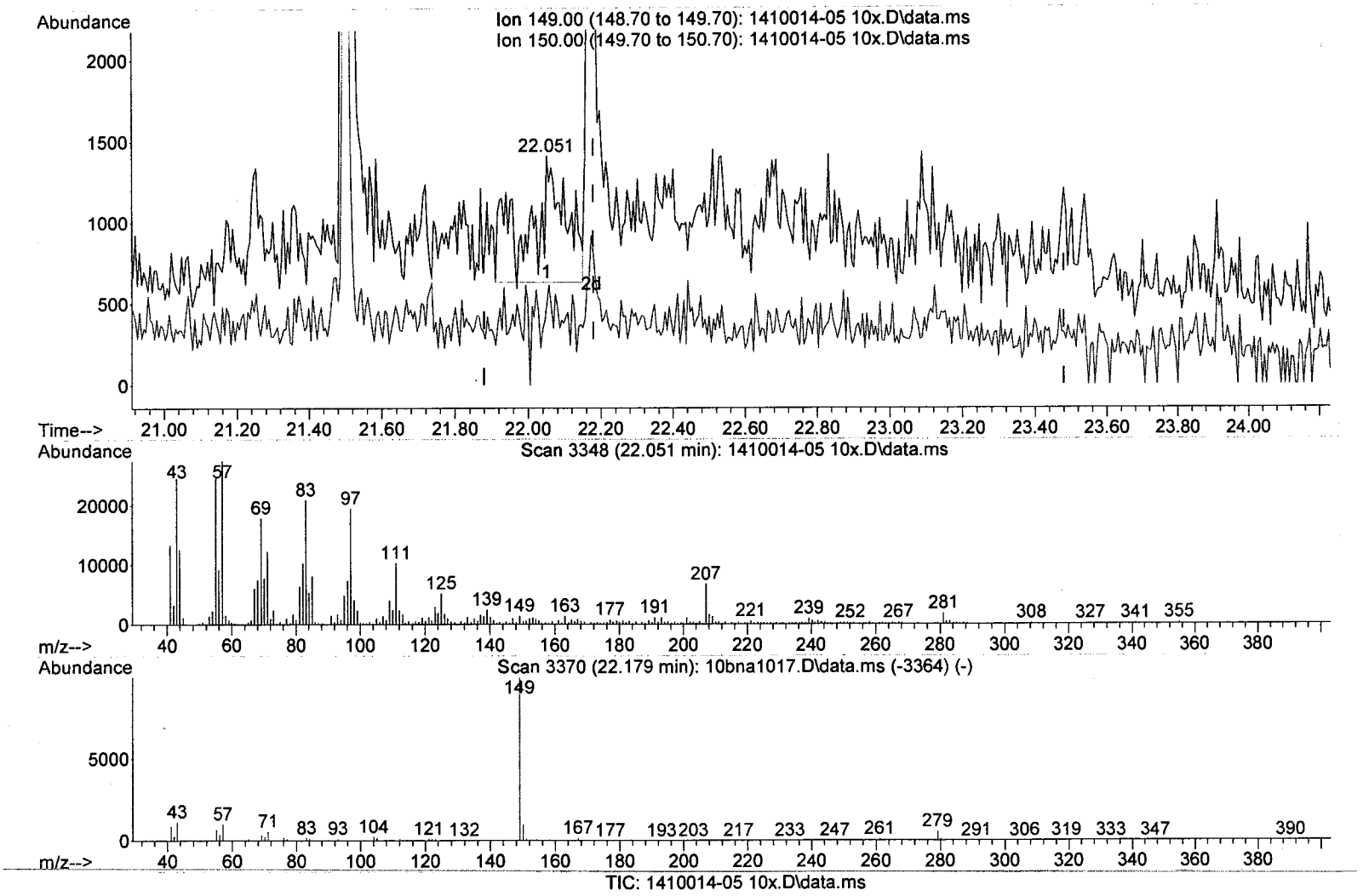
Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/17/14
Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:53:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410014-05 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.051min (-0.128) 0.36 ng/uL

response 5475

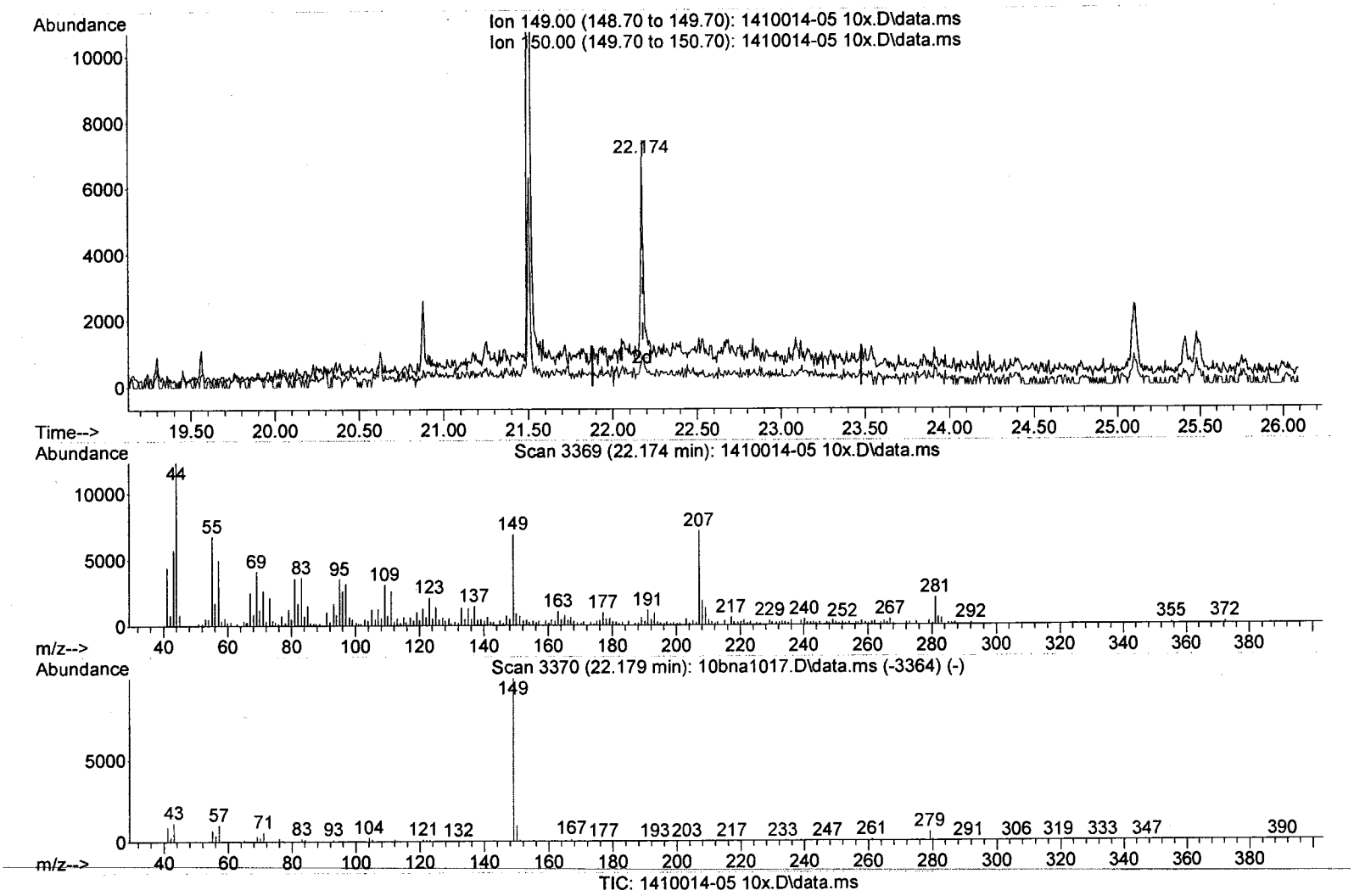
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	8.49
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/17/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:53:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410014-05 10x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.174min (-0.006) 0.37 ng/uL m

response 7367

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	6.31#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

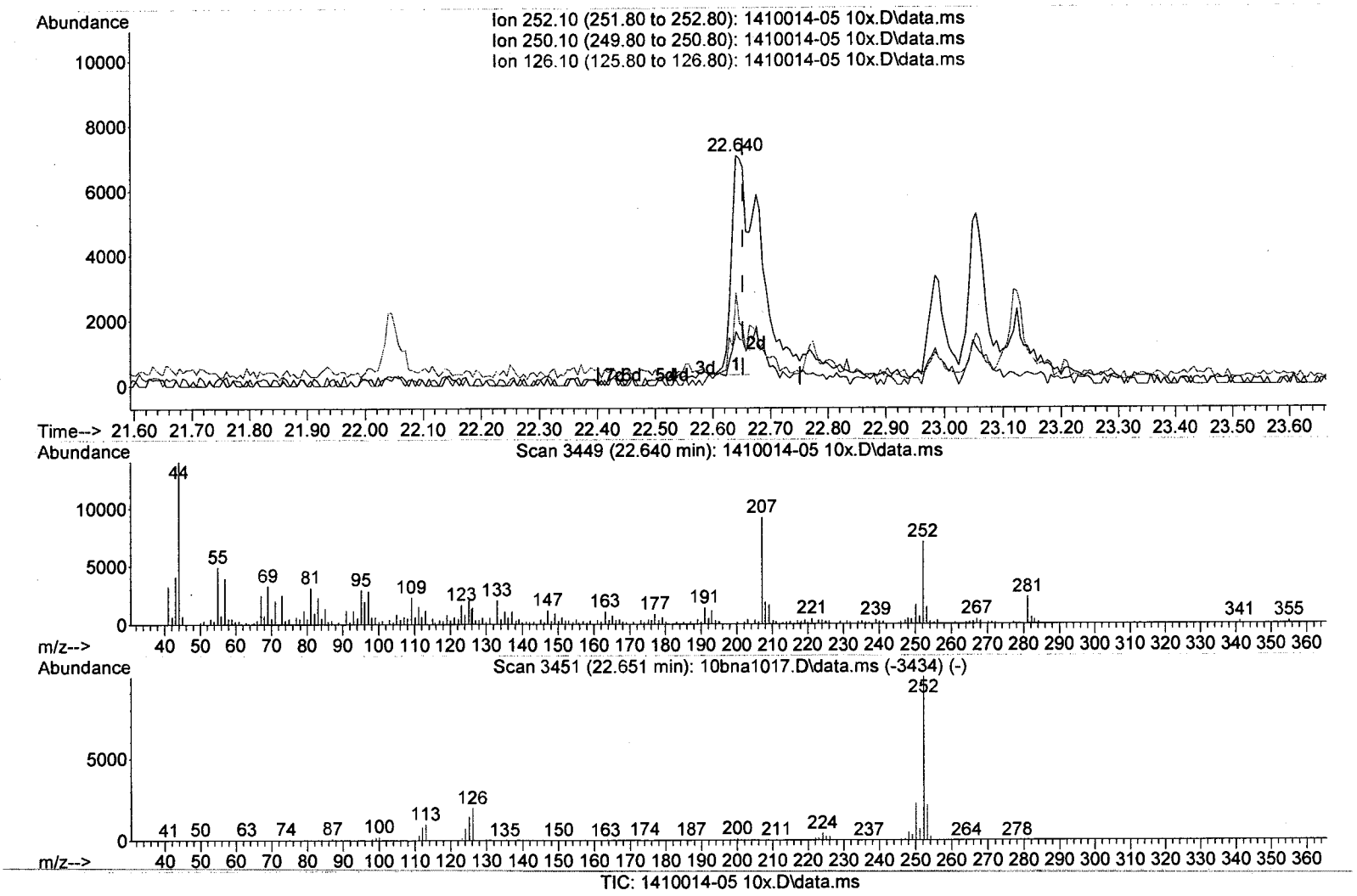
Analyst: JLB Date: 10/17/14

Reviewed By: BSC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:53:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410014-05 10x.D\data.ms

(90) Benzo(b)fluoroanthene

22.640min (-0.012) 0.10 ng/uL

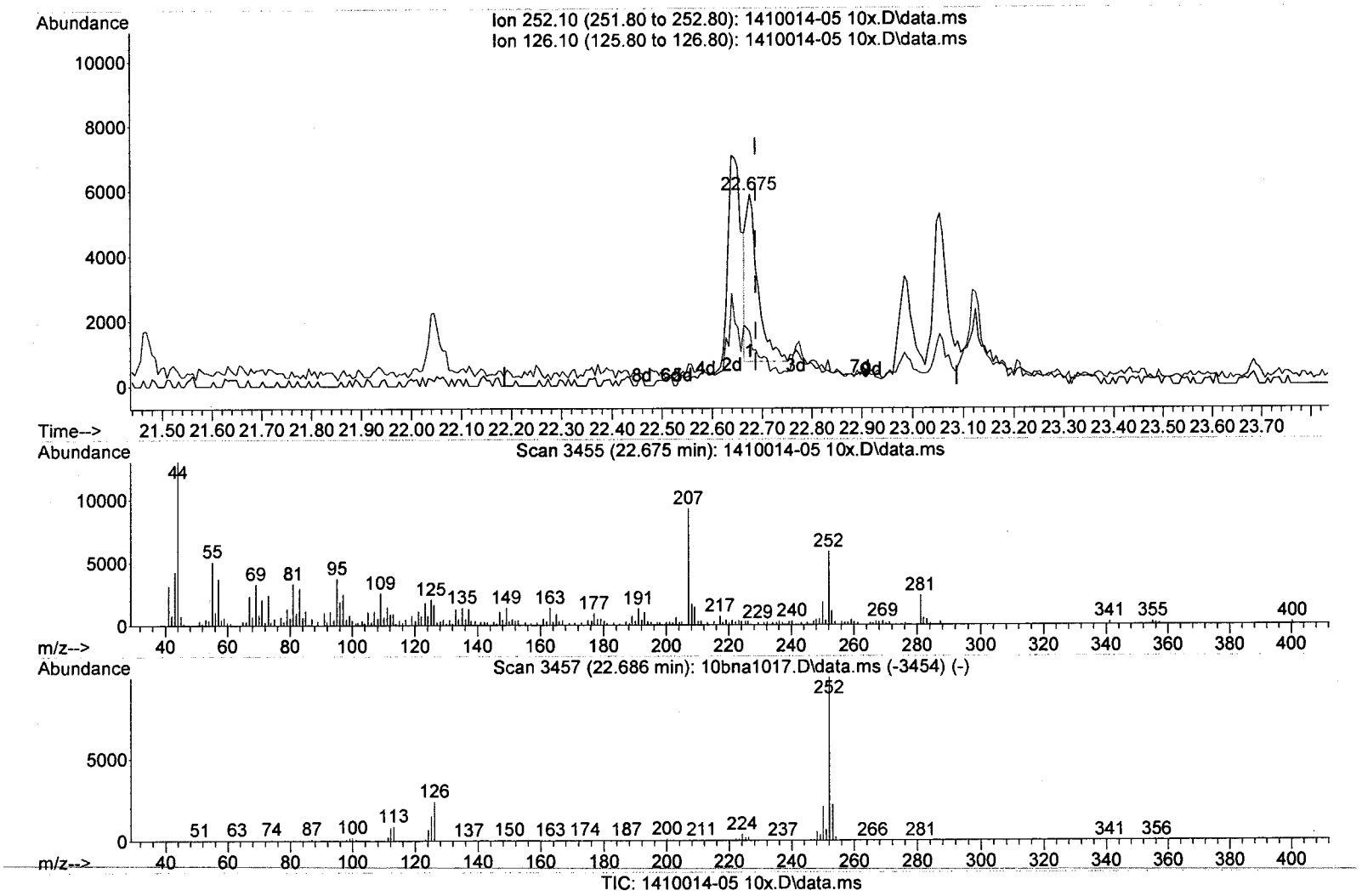
response 12589

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	26.24
126.10	17.20	23.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:53:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410014-05 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.675min (-0.012) 0.06 ng/uL

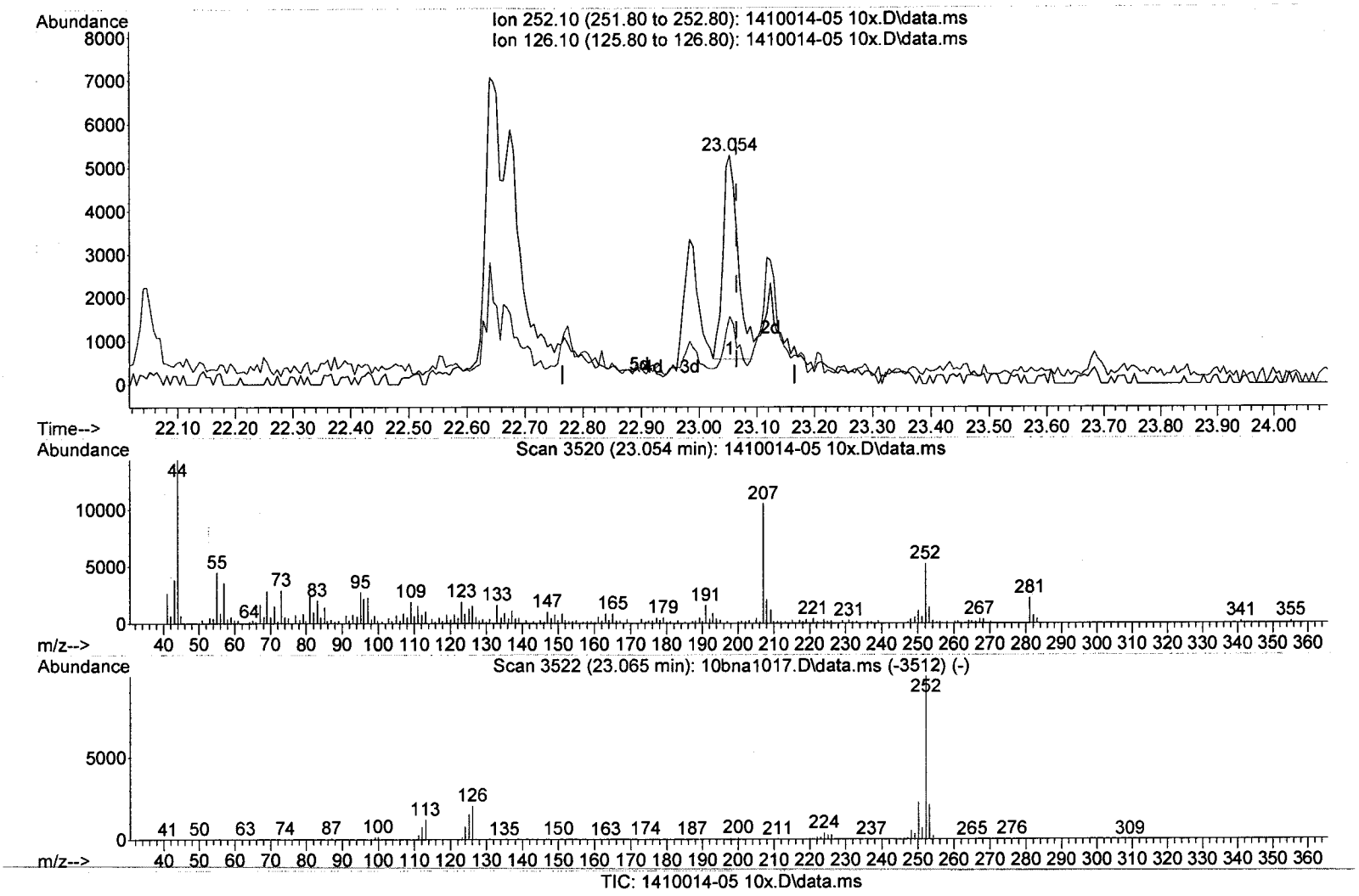
response 8558

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	32.05#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:53:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410014-05 10x.D\data.ms

(92) Benzo(a)pyrene (C)

23.054min (-0.012) 0.07 ng/uL

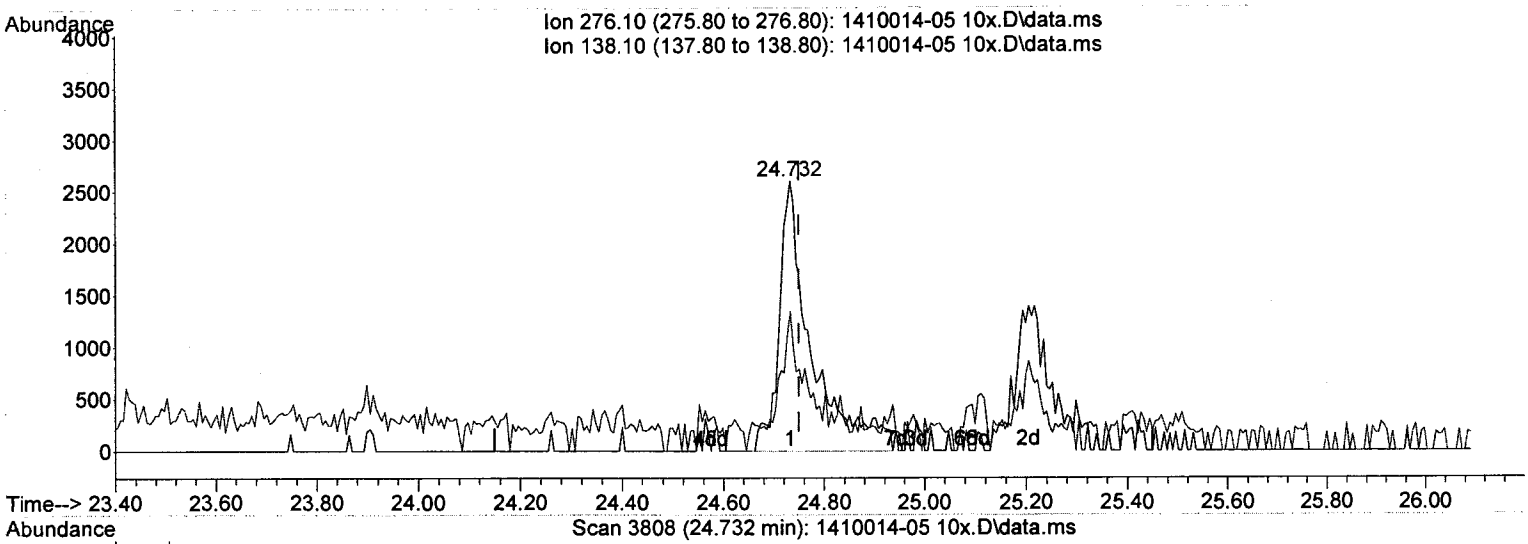
response 8524

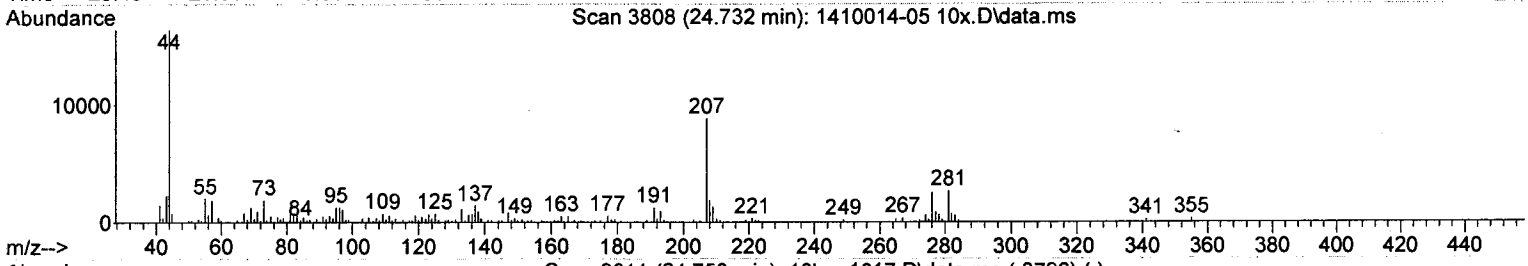
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	20.68
0.00	0.00	0.00
0.00	0.00	0.00

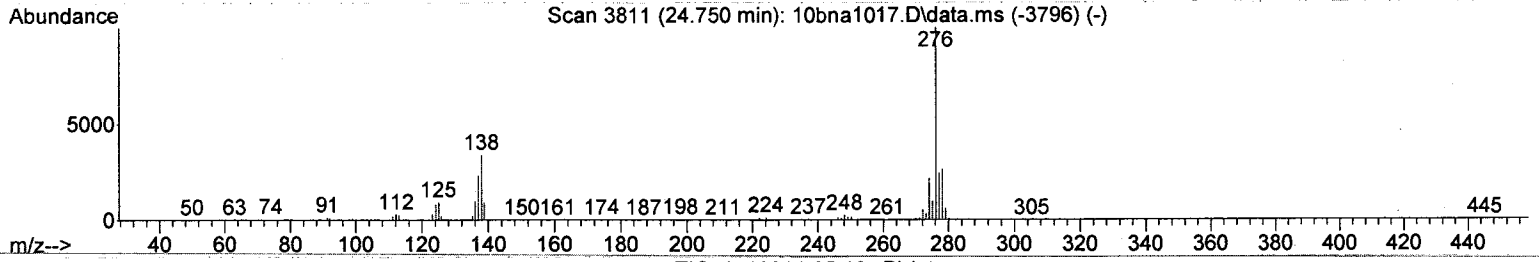
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:53:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1410014-05 10x.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.732min (-0.017) 0.11 ng/uL

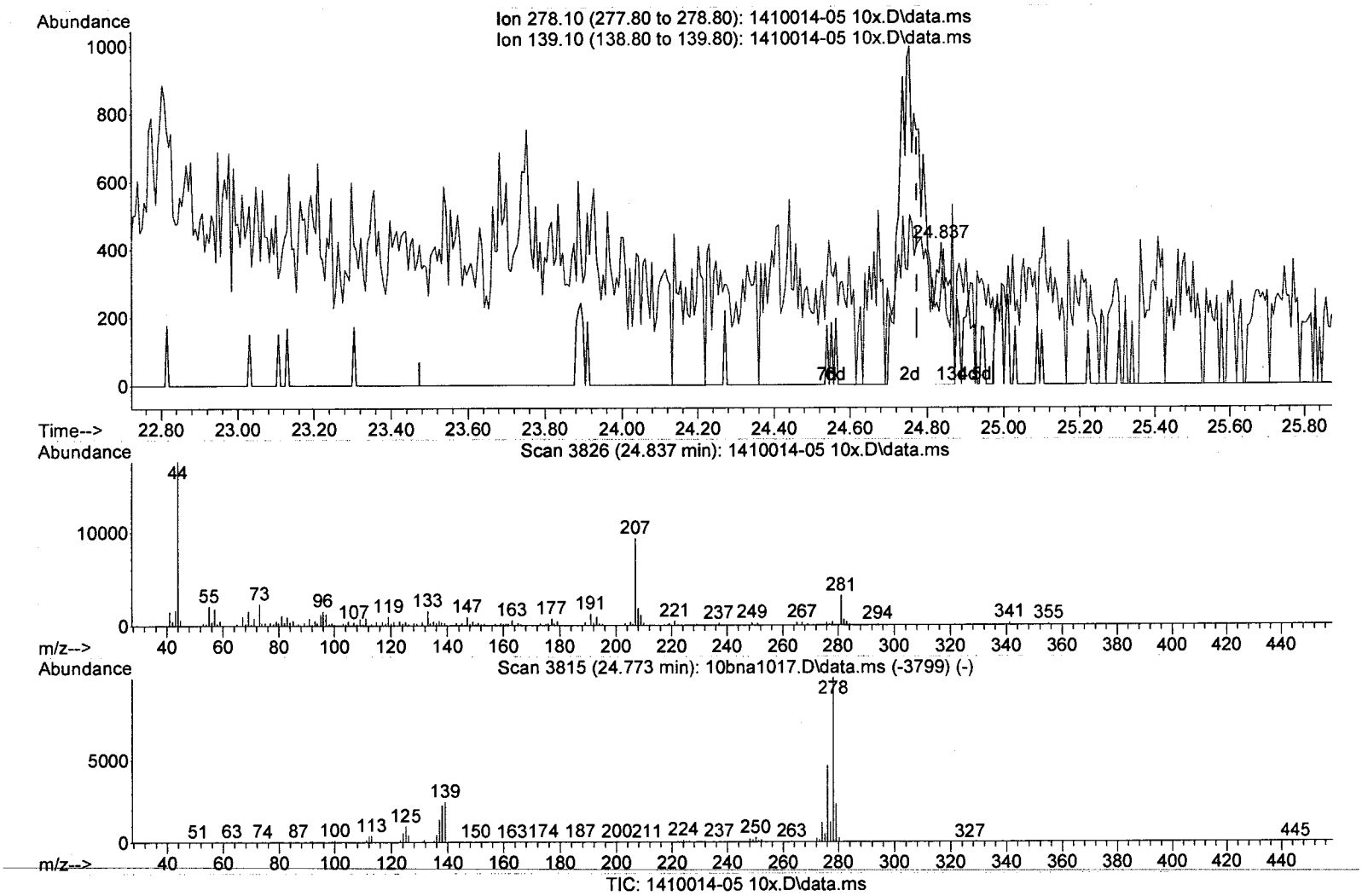
response 11363

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	30.52
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:53:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410014-05 10x.D\data.ms

(94) Dibdenz(a,h)anthracene

24.837min (+ 0.064) 0.01 ng/uL

response 883

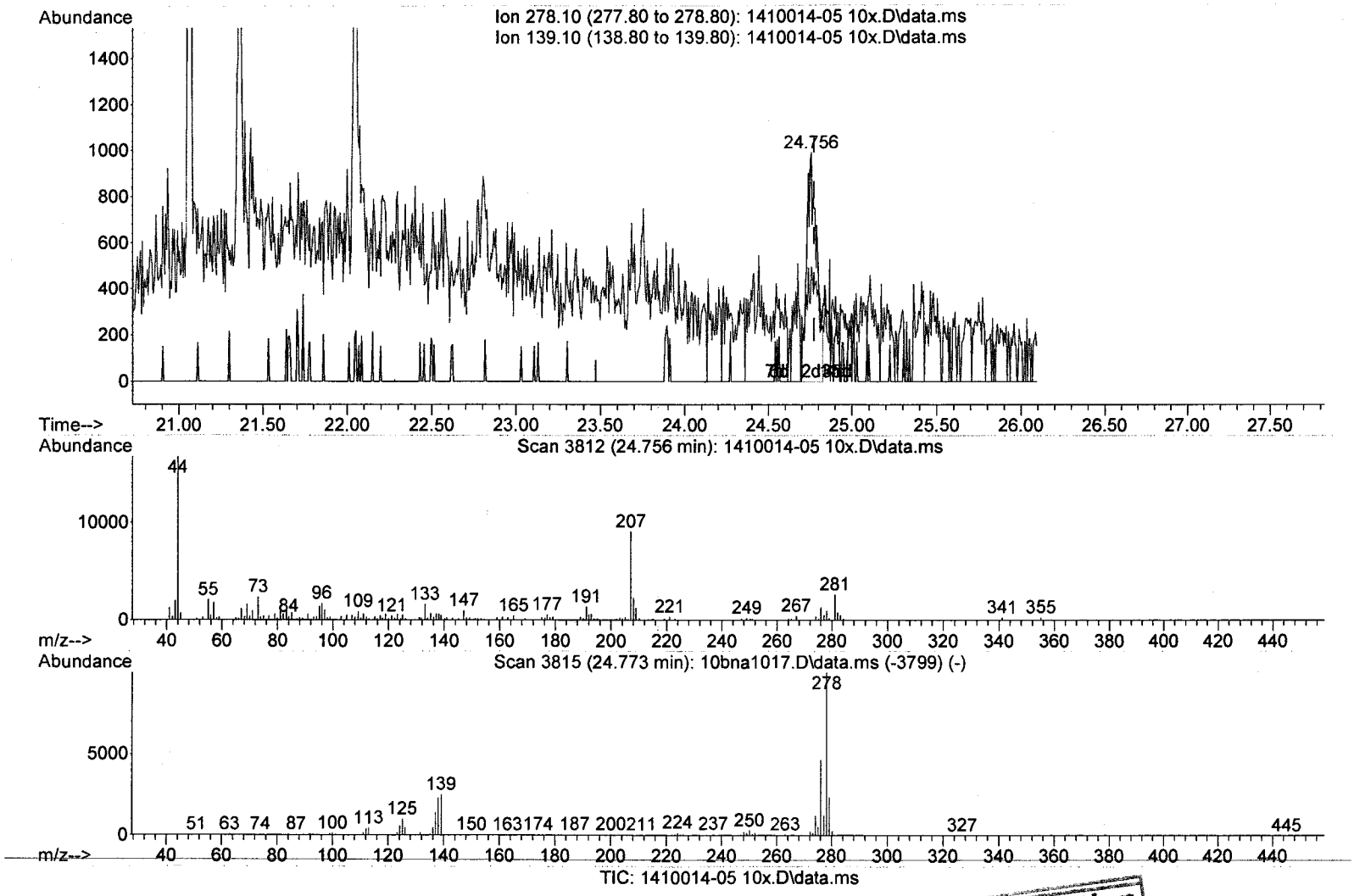
Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	16.99
0.00	0.00	0.00
0.00	0.00	0.00

JWB 10/17/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:53:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410014-05 10x.D\data.ms

(94) Dibdenz(a,h)anthracene

24.756min (-0.017) 0.05 ng/uL m

response 4179

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	3.59#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

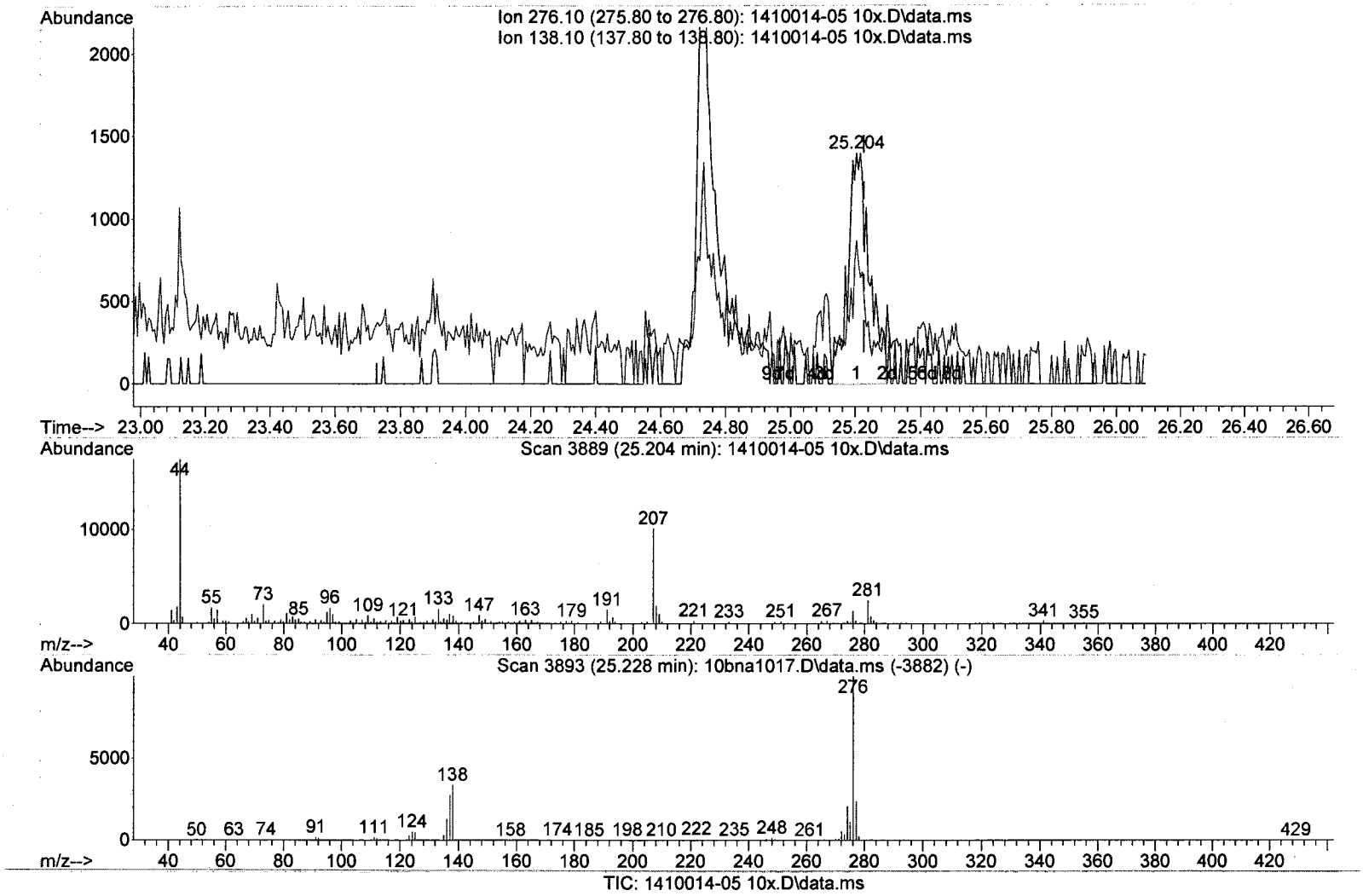
Flagged on Quantitation Report: (Yes) / No
Analyst: JWB Date: 10/17/14
Reviewed By: ASC Date: 10/21/14

CMSL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410014-05 10x.D
Acq On : 17 Oct 2014 12:40
Operator : JLB
Sample : 1410014-05 10x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 13:53:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410014-05 10x.D\data.ms

(95) Benzo(g,h,i)Perylene

25.204min (-0.023) 0.07 ng/uL

response 6395

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	26.61
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB10-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-06 File ID: 1410014-06.D

Sampled: 09/29/14 13:37 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 20:36

Solids: 98.08 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.3	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	1.9	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	170	71	170	340	U
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	24	4.1	17	34	J
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.0	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.7	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	1.9	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	4.9	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.3	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB10-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-06
File ID: 1410014-06.D
Sampled: 09/29/14 13:37
Prepared: 10/02/14 07:41
Analyzed: 10/10/14 20:36
Solids: 98.08
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	3.9	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	310	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.8	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.6	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.7	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	68	25	68	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	13	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	4.6	4.0	17	170	J
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	706	642	91	33 - 113	
Phenol-d6	706	696	99	30 - 115	
Nitrobenzene-d5	353	369	105	33 - 131	
2-Fluorobiphenyl	353	379	107	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB10-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-06
File ID: 1410014-06.D
Sampled: 09/29/14 13:37
Prepared: 10/02/14 07:41
Analyzed: 10/10/14 20:36
Solids: 98.08
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	706	618	88	12 - 124	
o-Terphenyl	353	395	112	20 - 155	

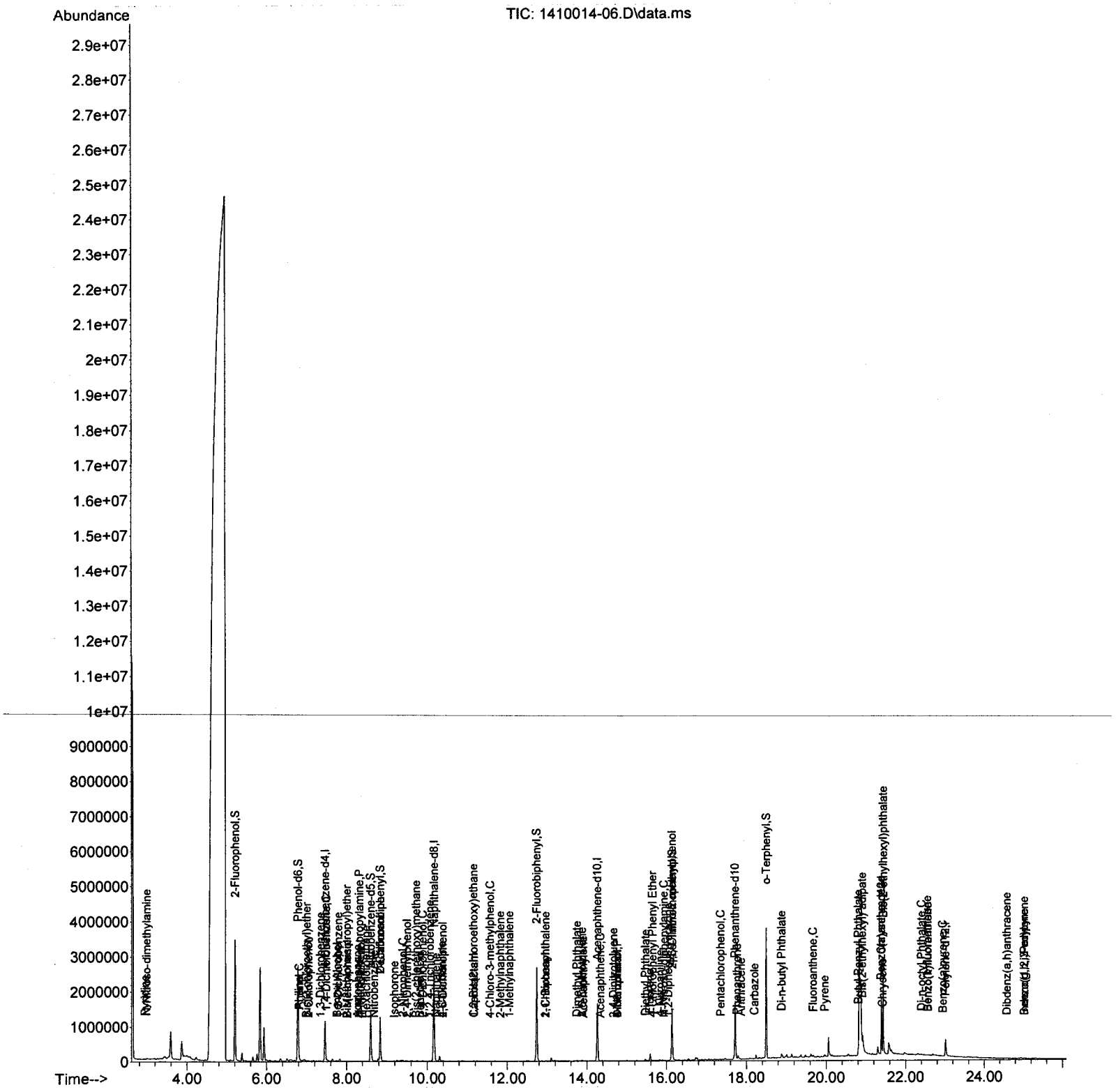
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	357341	7.459	403279	7.614	
Naphthalene-d8	1342131	10.169	1529030	10.359	
Acenaphthene-d10	716039	14.267	866604	14.474	
Phenanthrene-d10	1049378	17.717	1400442	17.901	
Chrysene-d12	689448	21.389	1153654	21.538	
Perylene-d12	303761	23.01	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:05:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



003351

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:05:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	357341	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.169	136	1342131	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.267	164	716039	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.717	188	1049378	5.00	ng/uL	0.00
81) Chrysene-d12	21.389	240	689448	5.00	ng/uL	# 0.00
89) Perylene-d12	23.010	264	303761-IW	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.209	112	1486712	18.21	ng/uL	0.20
6) Phenol-d6	6.788	99	2085807	19.74	ng/uL	0.05
21) Nitrobenzene-d5	8.601	82	897168	10.46	ng/uL	0.00
23) Decafluorobiphenyl	8.834	334	555373	9.23	ng/uL	0.00
47) 2-Fluorobiphenyl	12.740	172	1589606	10.74	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.149	330	278639	17.51	ng/uL	0.00
78) o-Terphenyl	18.504	230	1007273	11.20	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.982	74	192	0.00	ng/uL#	1
3) Pyridine	2.947	79	301	0.00	ng/uL#	1
5) Aniline	6.812	93	509	0.23	ng/uL#	1
7) Phenol	6.812	94	15404	0.13	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.998	93	409	0.00	ng/uL#	70
9) 2-Chlorophenol	7.045	128	726	0.01	ng/uL#	49
10) 1,3-Dichlorobenzene	7.342	146	2280	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.482	146	1033	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.785	146	2564	0.03	ng/uL#	11
13) Bis(2-chloroisipropyl)...	8.007	45	205	0.00	ng/uL	91
14) Benzyl Alcohol	7.762	108	2365	0.04	ng/uL	88
15) 2-Methylphenol	8.018	108	223	0.00	ng/uL#	1
16) Acetophenone	8.281	105	1900	0.01	ng/uL#	85
17) Hexachloroethane	8.485	119	809	0.02	ng/uL#	3
18) 4-Methylphenol	8.351	108	673	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.321	70	1210	0.02	ng/uL	86
22) Nitrobenzene	8.677	77	158	0.00	ng/uL#	1
24) Isophorone	9.184	82	1997	0.01	ng/uL	95
25) 2-Chloroaniline	8.834	127	7880	0.07	ng/uL#	62
26) 2-Nitrophenol	9.400	139	378	0.01	ng/uL#	1
27) 2,4-Dimethylphenol	9.499	107	409	0.00	ng/uL#	63
28) Bis(2-chlorethoxy)methane	9.726	93	459	0.00	ng/uL	88
29) 2,4-Dichlorophenol	9.883	162	390	0.01	ng/uL#	8
30) Benzoic Acid	9.819	105	579	RJ ~~2.46~~	ng/uL#	28
31) 1,2,4-Trichlorobenzene	10.064	180	1064	0.01	ng/uL	89
32) Naphthalene	10.216	128	3774	0.01	ng/uL#	1
33) 4-Chloroaniline	10.367	127	290	0.00	ng/uL#	1
34) 2,6-Dichlorophenol	10.385	162	337	0.00	ng/uL#	14
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.160	55	6987	0.18	ng/uL#	44
37) 1,2-Bis(2-chloroethoxy...	11.154	63	190	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.568	107	851	0.01	ng/uL#	54
39) 2-Methylnaphthalene	11.824	142	3108	0.02	ng/uL	96
40) 1-Methylnaphthalene	12.052	142	2017	0.01	ng/uL#	91
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:05:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	12.955	162	575	0.00 ng/uL#	74
49) 1,1'-Biphenyl	12.955	154	1254	0.01 ng/uL#	73
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.911	152	692	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.882	165	459	0.01 ng/uL#	8
53) Dimethyl Phthalate	13.754	163	11766	0.08 ng/uL#	89
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.337	153	489	0.00 ng/uL#	85
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.762	168	1156	0.01 ng/uL#	83
58) 4-Nitrophenol	14.768	65	371	0.01 ng/uL#	62
59) 2,4-Dinitrotoluene	14.669	165	61	0.00 ng/uL#	30
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.578	166	1009	0.01 ng/uL#	1
63) Diethyl Phthalate	15.467	149	11878m	0.08 ng/uL	
64) 4-Chlorophenyl Phenyl ...	15.648	204	58	0.00 ng/uL#	1
65) 4-Nitroaniline	15.835	138	453	0.02 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.143	198	1014	RT 1.02 ng/uL#	1
68) N-Nitroso-diphenylamine	15.939	169	849	0.01 ng/uL#	32
69) 1,2-Diphenylhydrazine	16.050	182	1072	0.03 ng/uL	92
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.356	266	449	0.02 ng/uL#	1
75) Phenanthrene	17.764	178	9348	0.05 ng/uL#	89
76) Anthracene	17.863	178	1479	0.01 ng/uL#	69
77) Carbazole	18.201	167	1258	0.01 ng/uL#	83
79) Di-n-butyl Phthalate	18.889	149	30996	0.15 ng/uL#	95
80) Fluoroanthene	19.670	202	10915	0.06 ng/uL	97
82) Pyrene	19.961	202	11606	0.07 ng/uL#	88
83) Butyl Benzyl Phthalate	20.806	149	44483	0.69 ng/uL	83
84) Bis(2-ethylhexyl) adipate	20.905	129	3371	0.12 ng/uL#	100
85) Benzo(a)anthracene	21.383	228	7250	0.06 ng/uL#	57
86) Chrysene	21.418	228	4501	0.04 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.436	149	730887	8.84 ng/uL	92
88) Di-n-octyl Phthalate	22.403	149	80393	pp 0.87 ng/uL#	77
90) Benzo(b)fluoroanthene	22.555	252	2600m	0.05 ng/uL	
91) Benzo(k)fluoranthene	22.567	252	2018m	0.03 ng/uL	
92) Benzo(a)pyrene	22.940	252	1293	0.02 ng/uL	97
93) Indeno(1,2,3-cd)pyrene	25.026	276	1928	0.04 ng/uL#	84
94) Dibdenz(a,h)anthracene	24.577	278	373	0.01 ng/uL#	1
95) Benzo(g,h,i)Perylene	25.026	276	1928	0.05 ng/uL#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 08:49:41 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

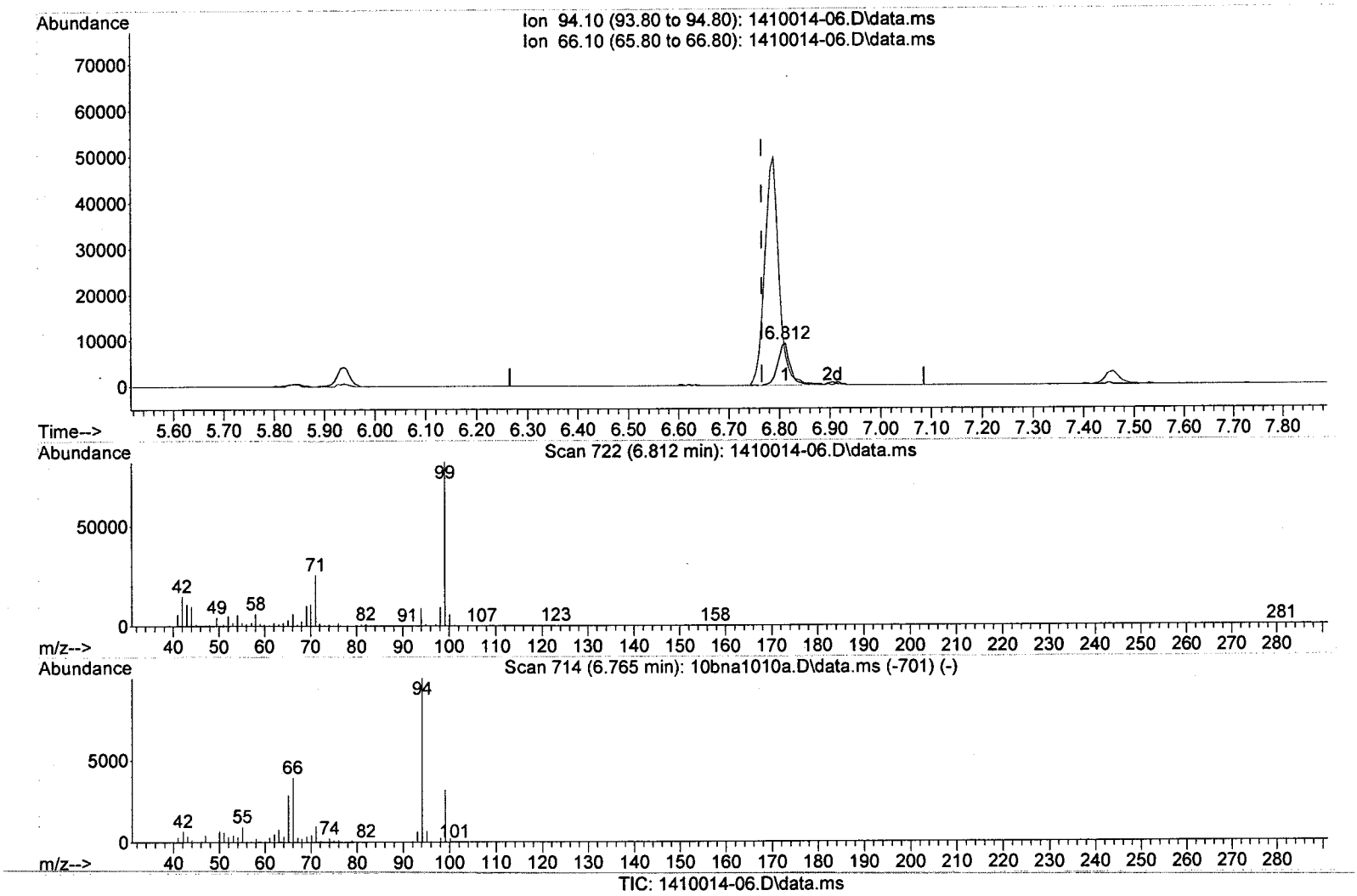
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.459	152	349530	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.169	136	1342131	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.267	164	715411	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.717	188	1050890	5.00	ng/uL		0.00
19) Chrysene-d12	21.389	240	689448	5.00	ng/uL	#	0.00
22) Perylene-d12	23.010	264	303761	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.982	74	192	0.00	ng/uL	#	1
3) Pyridine	3.041	79	1419	0.01	ng/uL		88
4) Aniline	6.812	93	509	0.00	ng/uL	#	1
5) Benzaldehyde	6.573	105	3782	0.05	ng/uL	#	77
6) Acetophenone	8.281	105	1900	0.01	ng/uL	#	85
7) N-Nitroso-di-n-propyla...	8.321	70	1417	0.02	ng/uL		97
9) 4-Chloroaniline	10.367	127	290	0.01	ng/uL	#	1
10) Caprolactam	11.160	55	2034	0.14	ng/uL	#	15
12) 1,1'-Biphenyl	12.955	154	1254	0.01	ng/uL	#	73
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.765	138	58	Below Cal		#	56
17) N-Nitroso-diphenylamine	15.939	169	849	0.01	ng/uL	#	32
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.909	184	226	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.028	252	199	0.01	ng/uL		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:03:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-06.D\data.ms

(7) Phenol (C)

6.812min (+ 0.047) 0.13 ng/uL

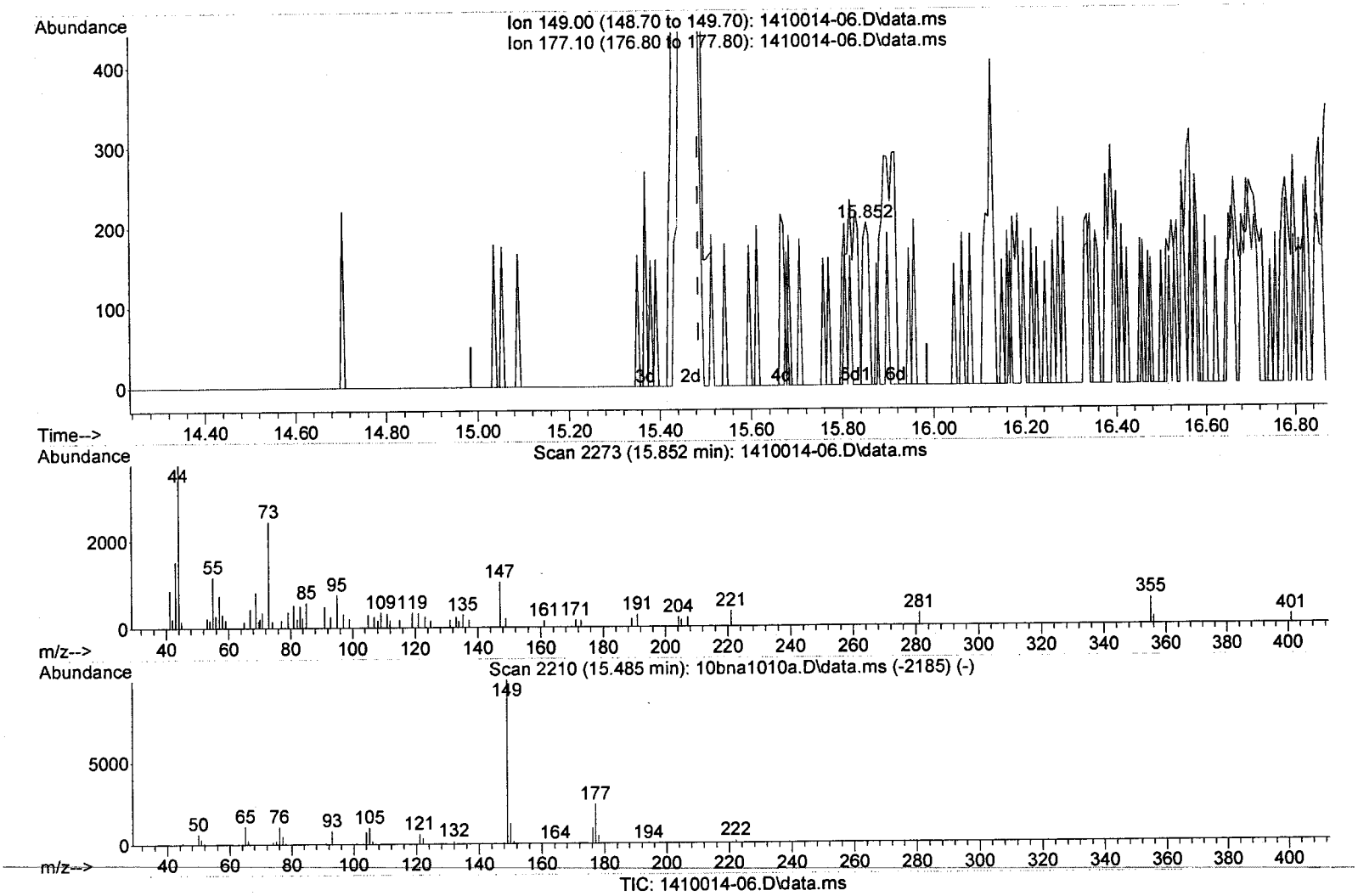
response 15404

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	628.62#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:03:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

15.852min (+ 0.367) 0.00 ng/uL

response 200

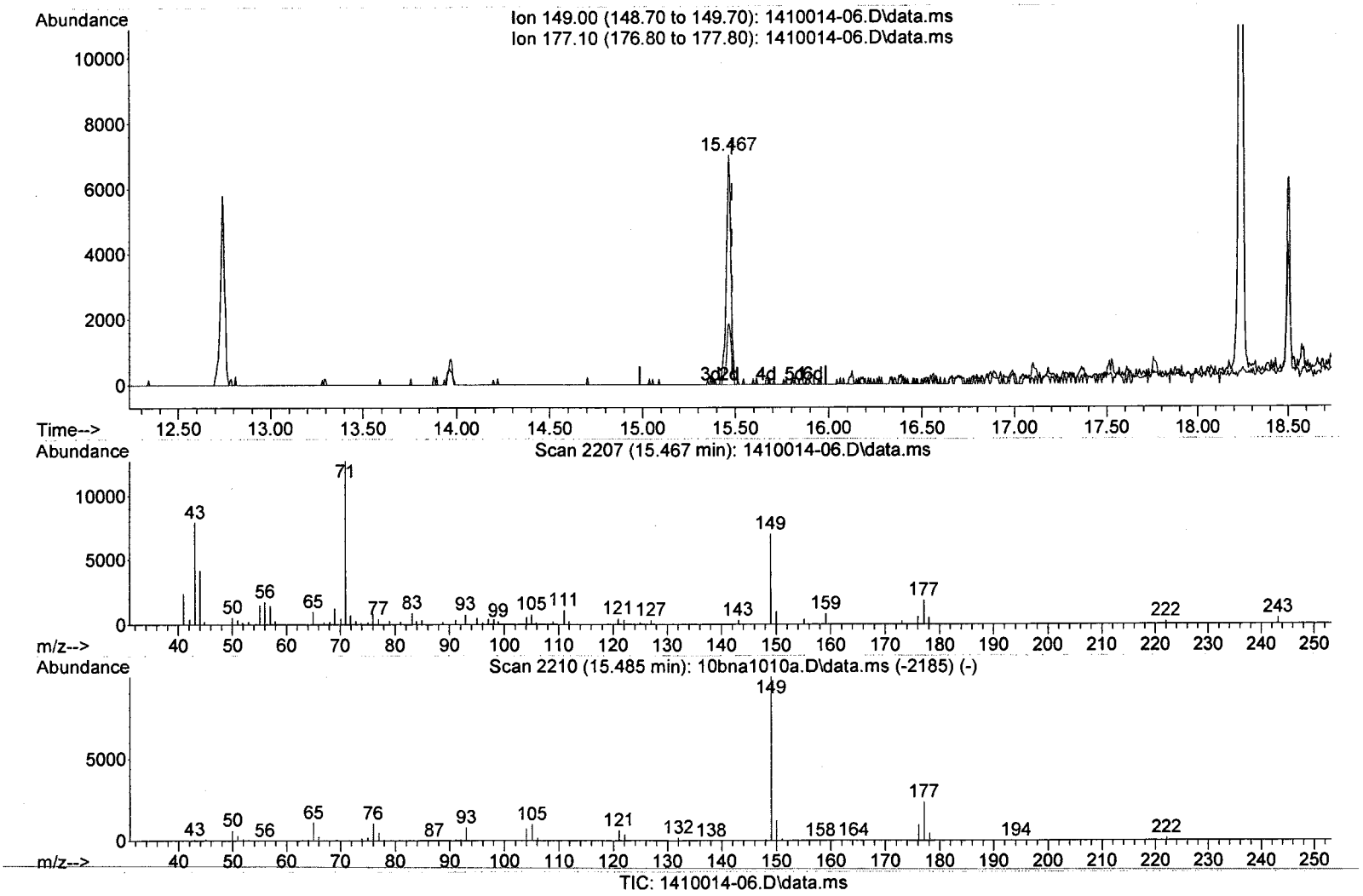
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	26.50
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:03:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-06.D\data.ms

(63) Diethyl Phthalate

15.467min (-0.018) 0.08 ng/uL m

response 11878

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	0.45#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 10/15/14

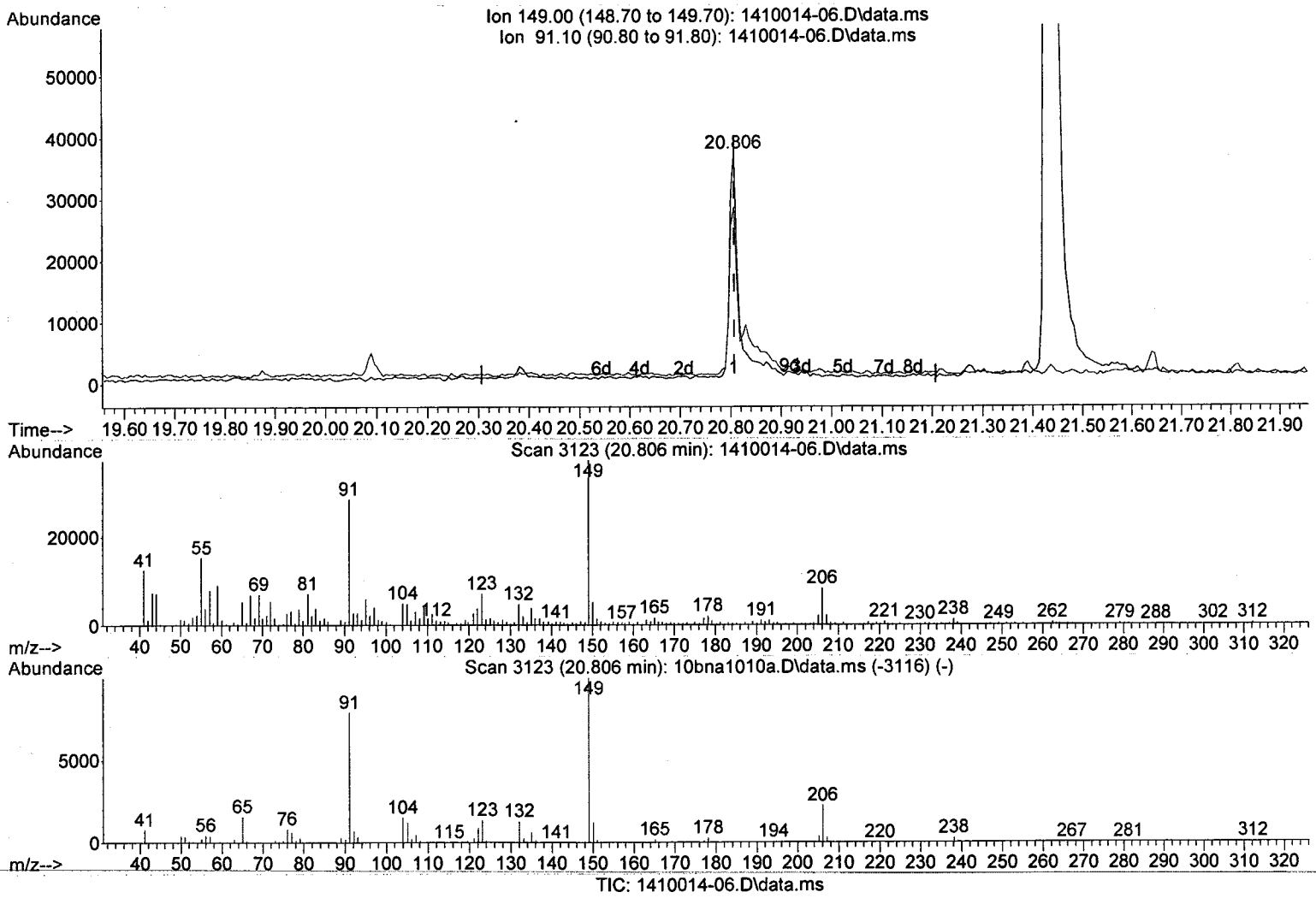
Reviewed By: BSC Date: 10/21/14

CMDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:03:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-06.D\data.ms

(83) Butyl Benzyl Phthalate

20.806min (-0.000) 0.69 ng/uL

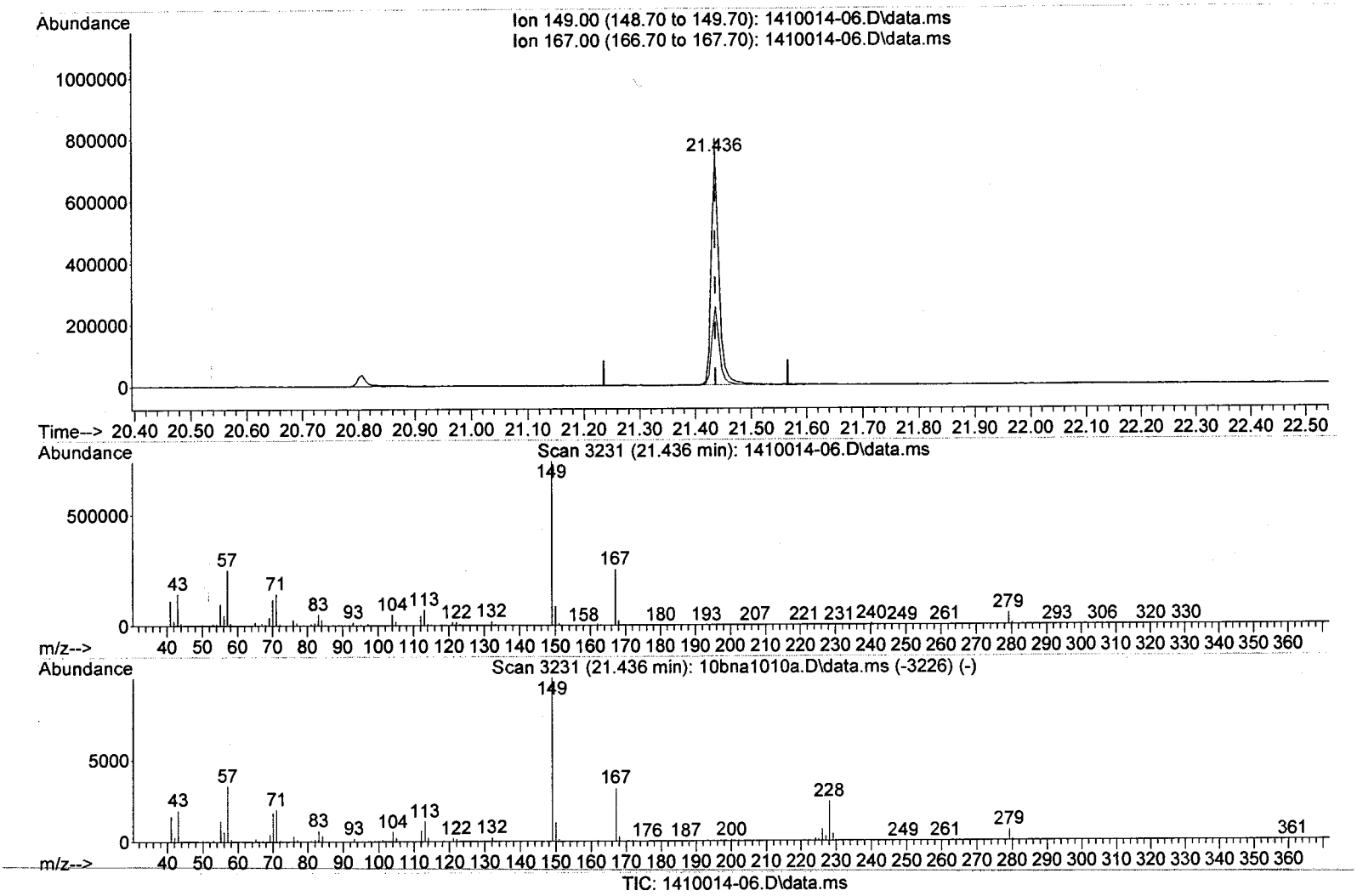
response 44483

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	69.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:03:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-06.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.436min (-0.000) 8.84 ng/uL

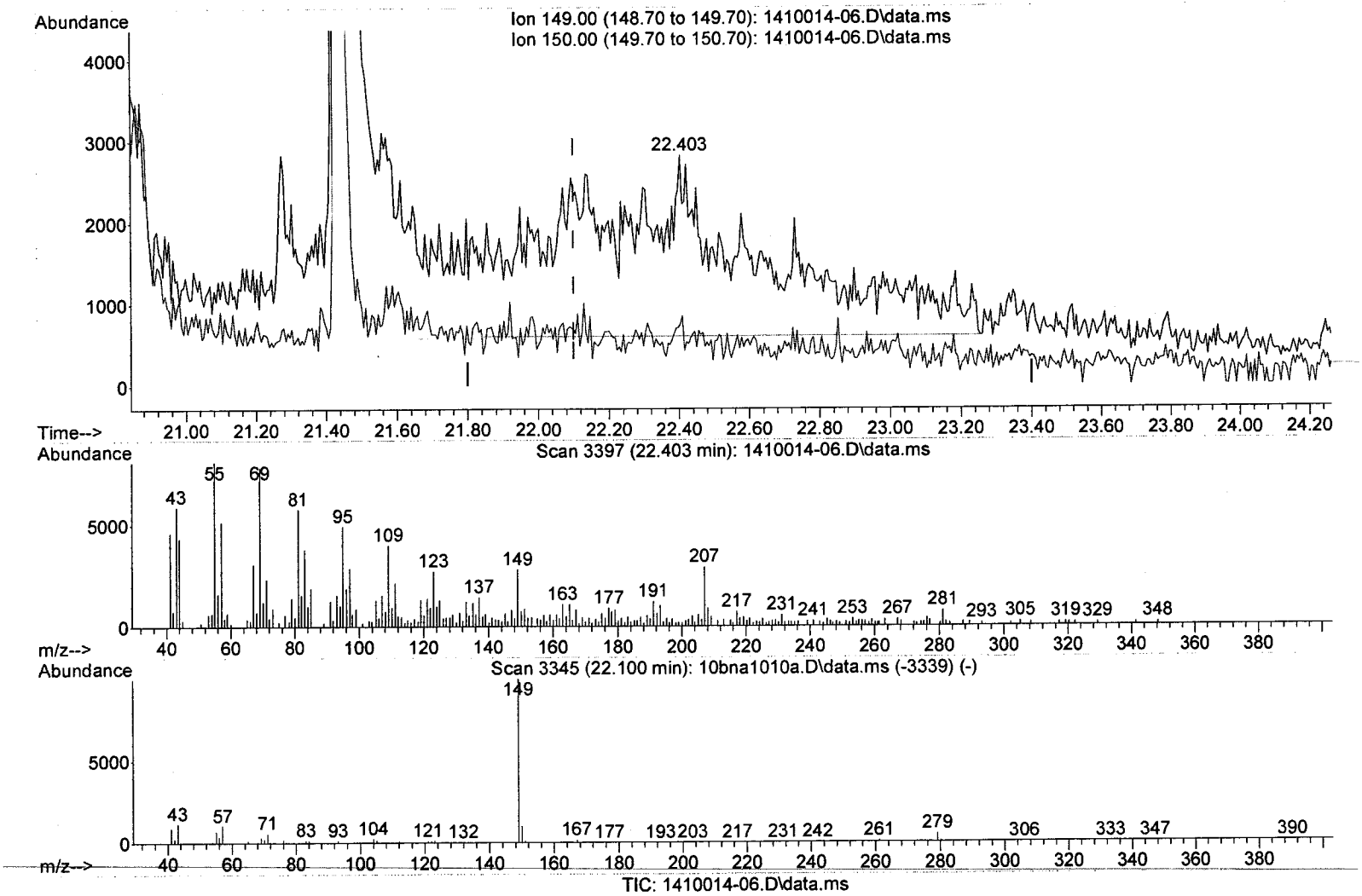
response 730887

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.53
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:03:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-06.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.403min (+ 0.303) 0.87 ng/uL

response 80393

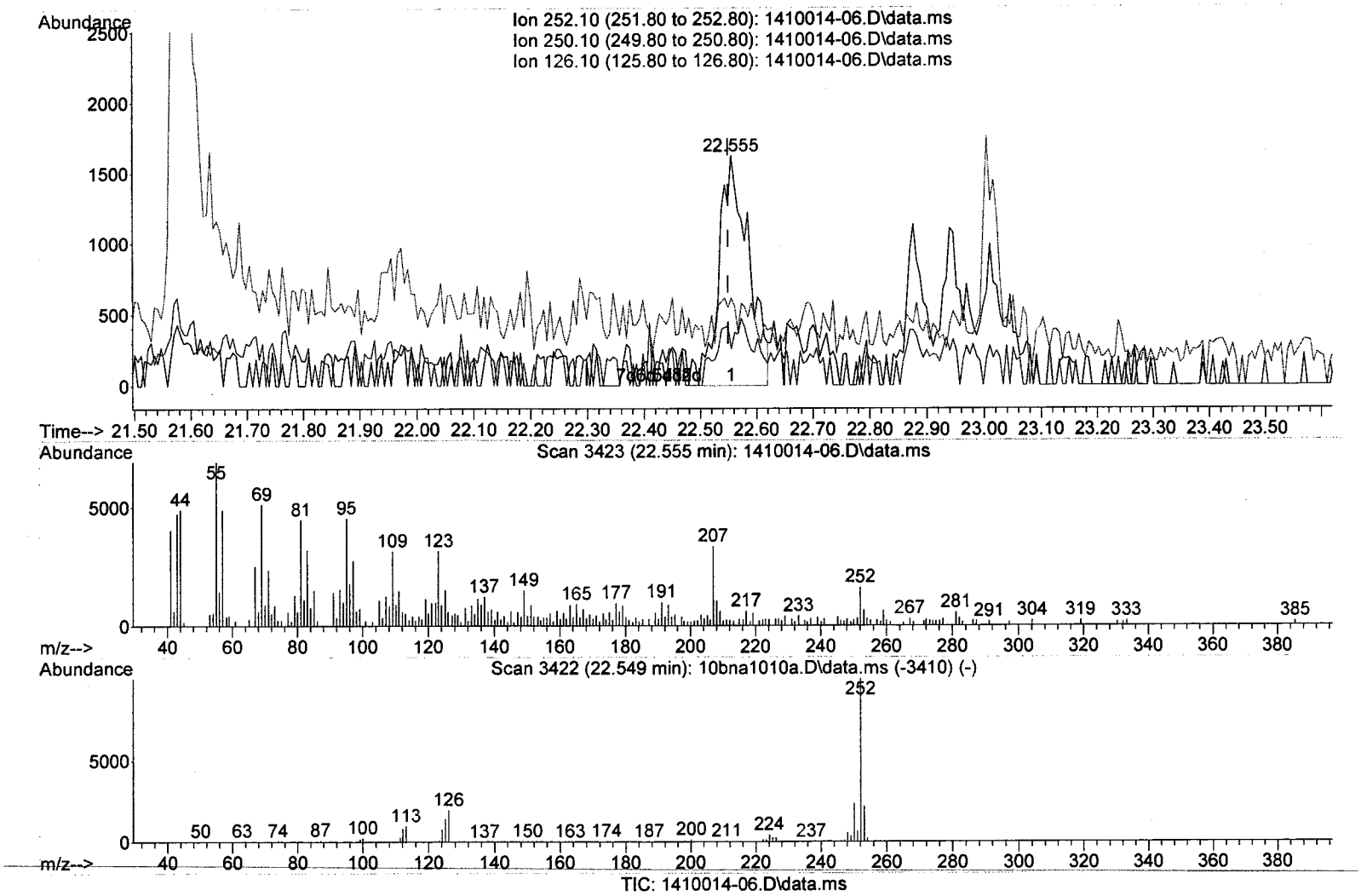
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.23#
0.00	0.00	0.00
0.00	0.00	0.00

PP

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:03:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.555min (+ 0.006) 0.11 ng/uL

response 5812

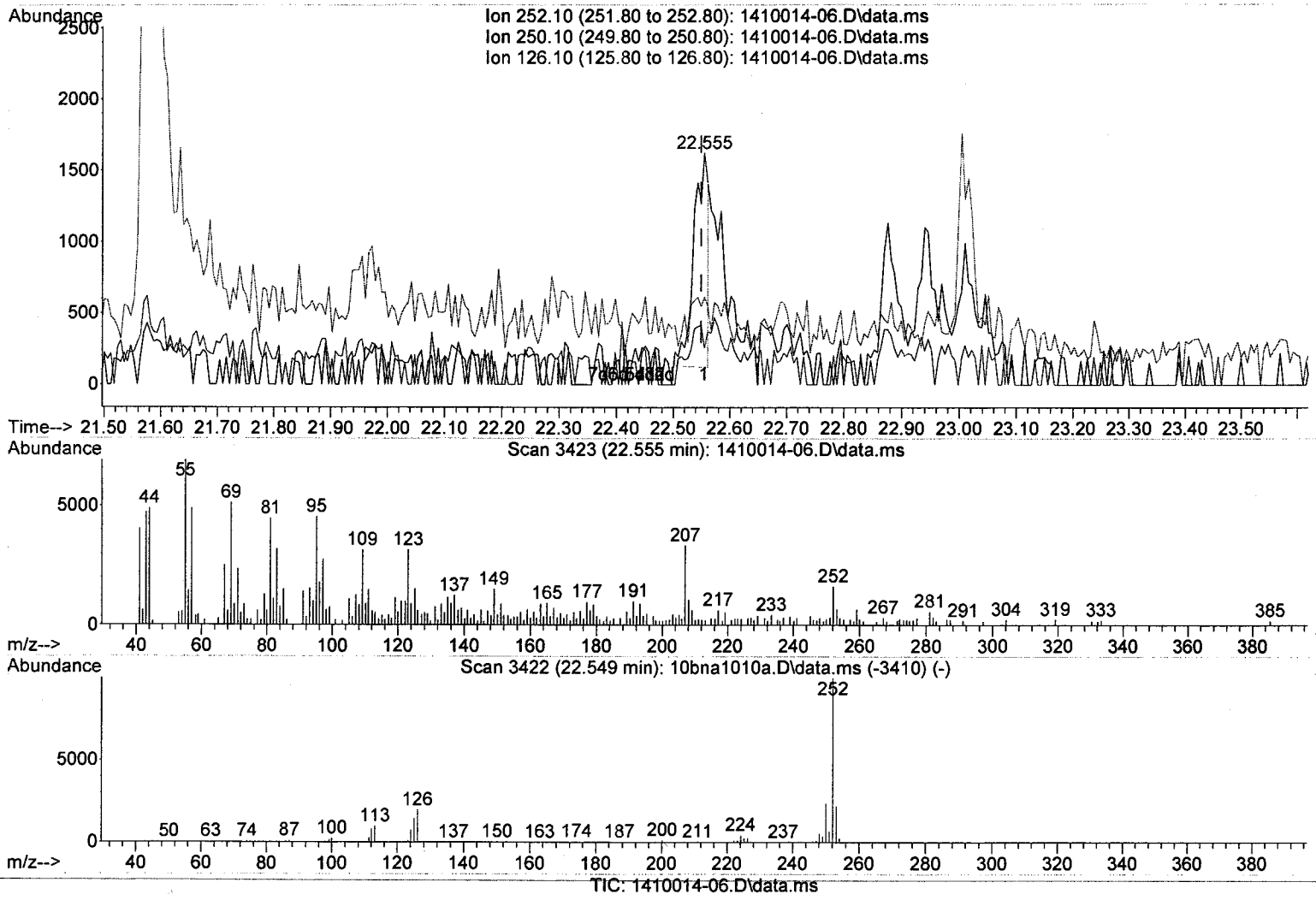
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	14.73#
126.10	17.20	13.73#
0.00	0.00	0.00

JWS 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:03:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-06.D\data.ms

(90) Benzo(b)fluoroanthene

22.555min (+ 0.006) 0.05 ng/uL m

response 2600

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	32.92#
126.10	17.20	30.69#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

Reviewed By: ASC Date: 10/21/14

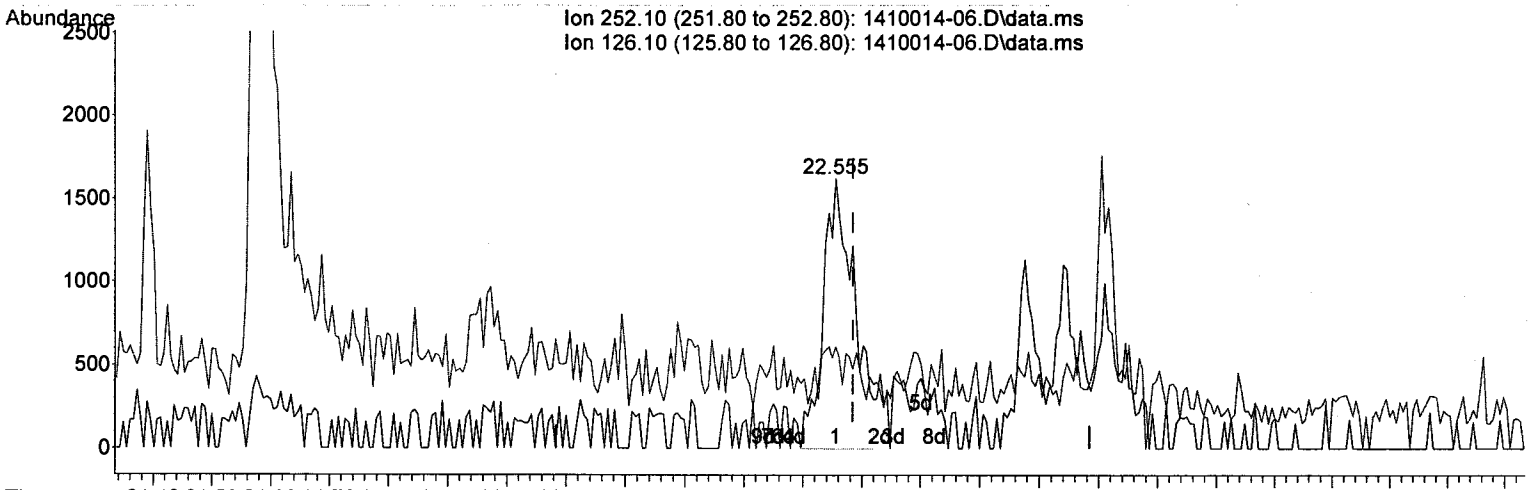
2nd

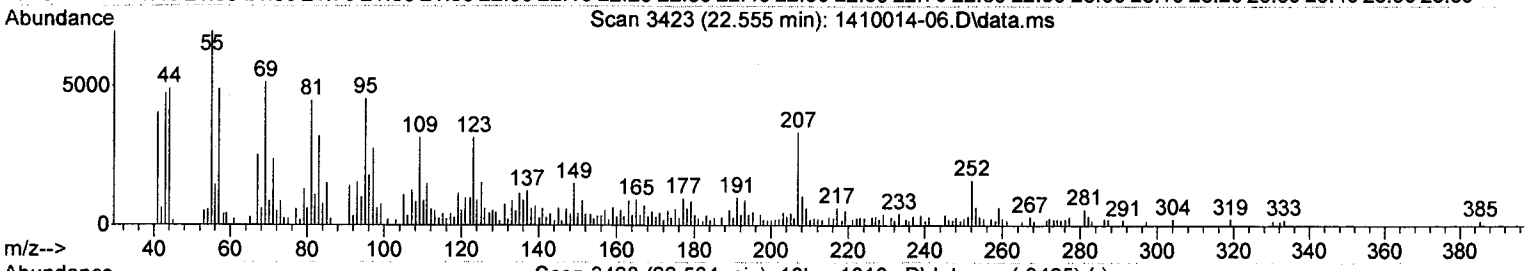
003862

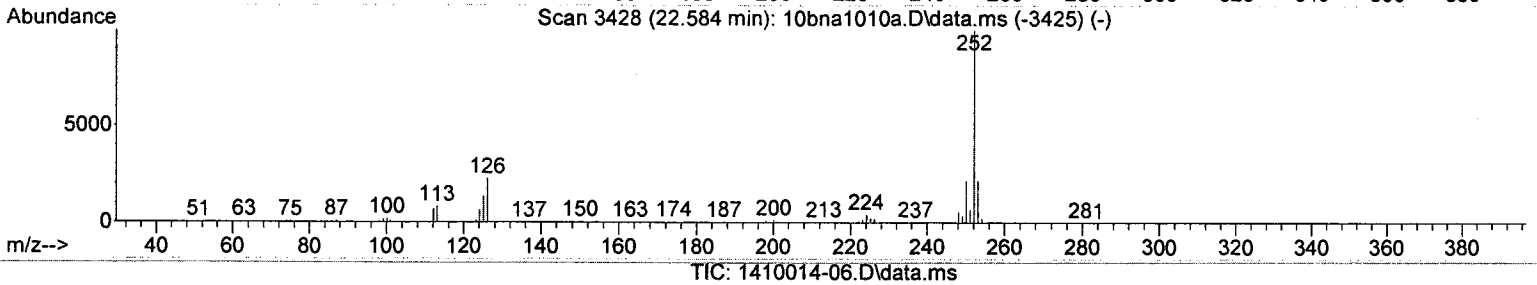
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:03:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-06.D\data.ms

(91) Benzo(k)fluoranthene

22.555min (-0.029) 0.09 ng/uL

response 5812

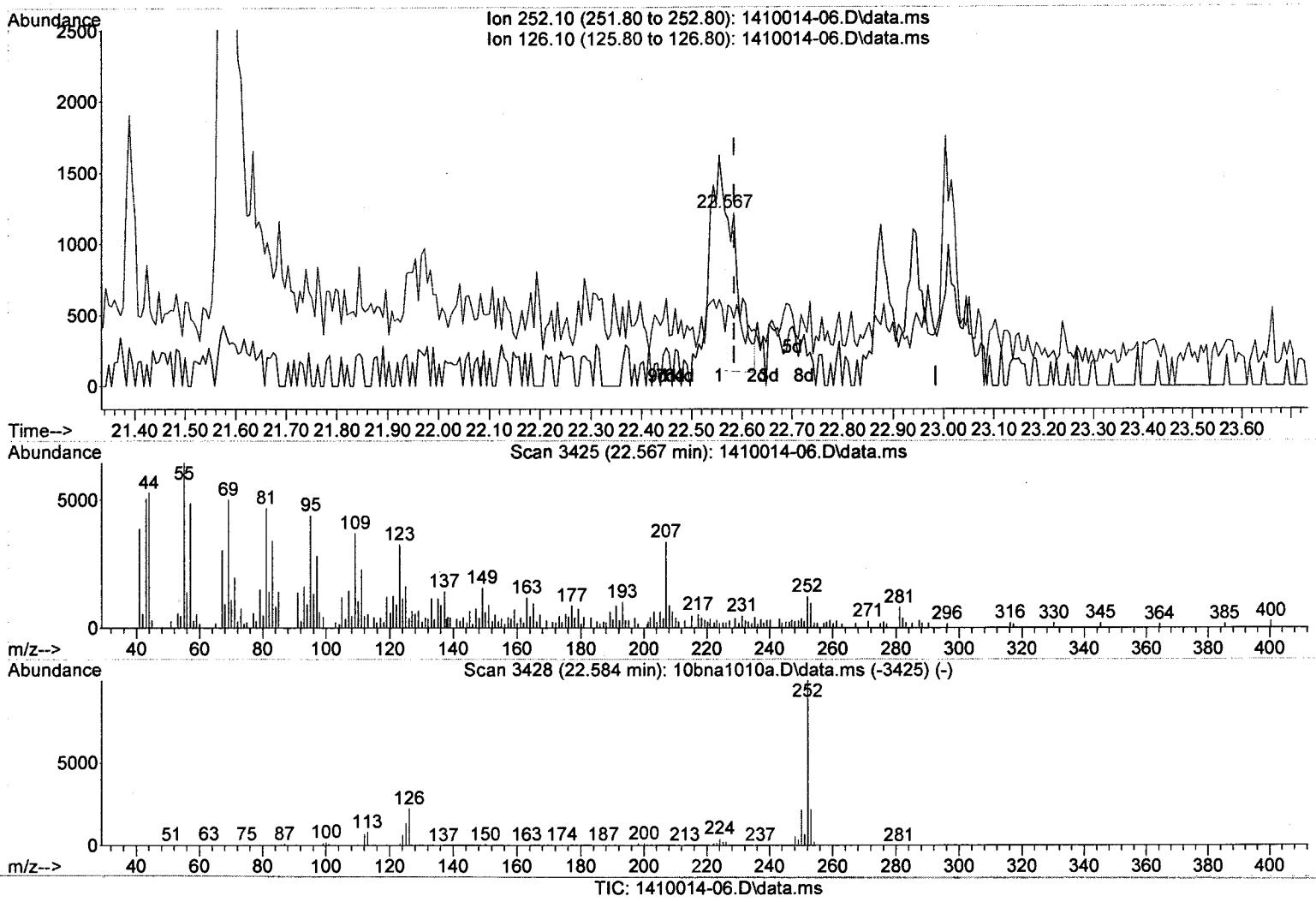
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	13.73#
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-06.D
Acq On : 10 Oct 2014 20:36
Operator : JLB
Sample : 1410014-06 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 09:03:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-06.D\data.ms

(91) Benzo(k)fluoranthene

22.567min (-0.018) 0.03 ng/uL m

response 2018

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	39.54#
0.00	0.00	0.00
0.00	0.00	0.00

Manual integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

Reviewed By: ASC Date: 10/21/14

CMDL

003364

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB10-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-06RE1 File ID: 1410014-06 2x.D

Sampled: 09/29/14 13:37 Prepared: 10/02/14 07:41 Analyzed: 10/14/14 15:43

Solids: 98.08 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	2	34	9.4	34	34	U
208-96-8	Acenaphthylene	2	34	8.5	34	34	U
120-12-7	Anthracene	2	34	8.2	34	34	U
56-55-3	Benzo(a)anthracene	2	17	5.6	17	34	U
50-32-8	Benzo(a)pyrene	2	17	4.7	17	34	U
205-99-2	Benzo(b)fluoranthene	2	4.2	3.9	17	34	J
207-08-9	Benzo(k)fluoranthene	2	17	4.0	17	34	U
191-24-2	Benzo(g,h,i)perylene	2	17	3.9	17	68	U
65-85-0	Benzoic Acid	2	340	140	340	680	U
100-51-6	Benzyl Alcohol	2	34	9.4	34	34	U
101-55-3	4-Bromophenyl Phenyl Ether	2	34	8.2	34	34	U
85-68-7	Butyl Benzyl Phthalate	2	19	8.2	34	68	J
86-74-8	Carbazole	2	34	8.2	34	340	U
59-50-7	4-Chloro-3-methylphenol	2	34	10	34	34	U
106-47-8	4-Chloroaniline	2	34	18	34	140	U
111-91-1	Bis(2-chloroethoxy)methane	2	34	8.3	34	34	U
111-44-4	Bis(2-chloroethyl) Ether	2	34	8.1	34	34	U
108-60-1	Bis(2-chloroisopropyl) Ether	2	17	7.5	17	34	U
91-58-7	2-Chloronaphthalene	2	34	10	34	34	U
95-57-8	2-Chlorophenol	2	34	8.0	34	34	U
7005-72-3	4-Chlorophenyl Phenyl Ether	2	34	7.7	34	34	U
218-01-9	Chrysene	2	34	7.9	34	34	U
53-70-3	Dibenz(a,h)anthracene	2	17	3.9	17	68	U
132-64-9	Dibenzofuran	2	34	10	34	34	U
84-74-2	Di-n-butyl Phthalate	2	68	28	68	140	U
106-46-7	1,4-Dichlorobenzene	2	34	9.8	34	34	U
95-50-1	1,2-Dichlorobenzene	2	34	11	34	34	U
541-73-1	1,3-Dichlorobenzene	2	34	12	34	34	U
91-94-1	3,3′-Dichlorobenzidine	2	1400	570	1400	1700	U
120-83-2	2,4-Dichlorophenol	2	34	8.3	34	68	U
84-66-2	Diethyl Phthalate	2	34	9.9	34	34	U
105-67-9	2,4-Dimethylphenol	2	270	74	270	340	U
131-11-3	Dimethyl Phthalate	2	34	9.6	34	34	U
534-52-1	4,6-Dinitro-2-methylphenol	2	140	44	140	340	U
51-28-5	2,4-Dinitrophenol	2	340	110	340	340	U
606-20-2	2,6-Dinitrotoluene	2	17	8.2	17	34	U
121-14-2	2,4-Dinitrotoluene	2	17	6.7	17	68	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB10-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-06RE1 File ID: 1410014-06 2x.D

Sampled: 09/29/14 13:37 Prepared: 10/02/14 07:41 Analyzed: 10/14/14 15:43

Solids: 98.08 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15034 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	2	34	7.9	34	34	U
122-66-7	1,2-Diphenylhydrazine	2	17	6.9	17	34	U
117-81-7	Bis(2-ethylhexyl) Phthalate	2	260	23	34	68	B
206-44-0	Fluoranthene	2	34	9.1	34	34	U
86-73-7	Fluorene	2	34	8.2	34	68	U
118-74-1	Hexachlorobenzene	2	34	9.7	34	34	U
87-68-3	Hexachlorobutadiene	2	34	9.3	34	34	U
67-72-1	Hexachloroethane	2	34	10	34	34	U
193-39-5	Indeno(1,2,3-cd)pyrene	2	17	5.5	17	68	U
78-59-1	Isophorone	2	34	7.9	34	34	U
91-57-6	2-Methylnaphthalene	2	34	9.3	34	34	U
108-39-4	3+4-Methylphenol	2	17	7.5	17	34	U
95-48-7	2-Methylphenol	2	17	7.2	17	34	U
91-20-3	Naphthalene	2	34	11	34	34	U
100-01-6	4-Nitroaniline	2	140	50	140	670	U
88-74-4	2-Nitroaniline	2	17	7.3	17	34	U
99-09-2	3-Nitroaniline	2	68	33	68	670	U
98-95-3	Nitrobenzene	2	34	9.4	34	34	U
88-75-5	2-Nitrophenol	2	34	9.1	34	34	U
100-02-7	4-Nitrophenol	2	680	210	680	1400	U
62-75-9	N-Nitroso-dimethylamine	2	14	6.7	14	68	U
86-30-6	N-Nitroso-diphenylamine	2	17	7.0	17	34	U
621-64-7	N-Nitroso-di-n-propylamine	2	34	8.2	34	34	U
87-86-5	Pentachlorophenol	2	34	27	34	340	U
85-01-8	Phenanthrene	2	34	8.3	34	34	U
108-95-2	Phenol	2	34	7.9	34	340	U
129-00-0	Pyrene	2	34	8.8	34	34	U
120-82-1	1,2,4-Trichlorobenzene	2	34	9.0	34	34	U
95-95-4	2,4,5-Trichlorophenol	2	34	9.2	34	34	U
88-06-2	2,4,6-Trichlorophenol	2	17	5.2	17	34	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	706	629	89	33 - 113	
Phenol-d6	706	644	91	30 - 115	
Nitrobenzene-d5	353	309	88	33 - 131	
2-Fluorobiphenyl	353	327	93	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB10-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-06RE1
File ID: 1410014-06 2x.D
Sampled: 09/29/14 13:37
Prepared: 10/02/14 07:41
Analyzed: 10/14/14 15:43
Solids: 98.08
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15034
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	706	545	77	12 - 124	
o-Terphenyl	353	371	105	20 - 155	

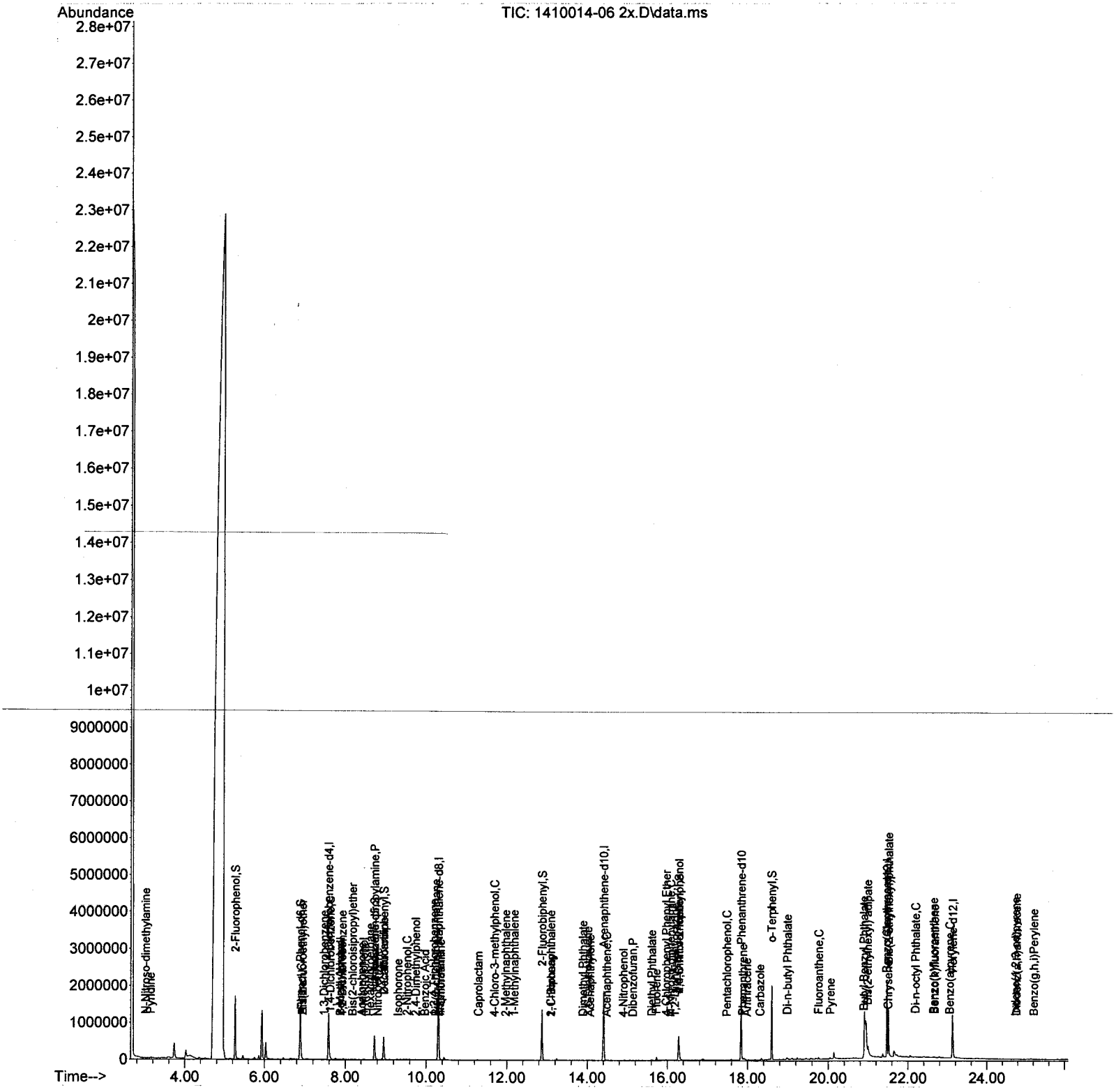
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	366933	7.585	403279	7.614	
Naphthalene-d8	1407369	10.307	1529030	10.359	
Acenaphthene-d10	775472	14.411	866604	14.474	
Phenanthrene-d10	1126652	17.838	1400442	17.901	
Chrysene-d12	878737	21.469	1153654	21.538	
Perylene-d12	670033	23.13	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-06 2x.D
Acq On : 14 Oct 2014 15:43
Operator : JLB
Sample : 1410014-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:57:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-06 2x.D
Acq On : 14 Oct 2014 15:43
Operator : JLB
Sample : 1410014-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:57:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.585	152	366933	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.307	136	1407369	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.411	164	775472	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.838	188	1126652	5.00	ng/uL	0.00
81) Chrysene-d12	21.469	240	878737	5.00	ng/uL	# 0.00
89) Perylene-d12	23.130	264	670033	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.265	112	746629	8.91	ng/uL	0.12
6) Phenol-d6	6.886	99	990145	9.12	ng/uL	0.01
21) Nitrobenzene-d5	8.728	82	393835	4.38	ng/uL	-0.02
23) Decafluorobiphenyl	8.961	334	271847	4.31	ng/uL	0.00
47) 2-Fluorobiphenyl	12.878	172	742398	4.63	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.287	330	131879	7.72	ng/uL	-0.01
78) o-Terphenyl	18.601	230	508220	5.26	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.016	74	119	0.00	ng/uL#	1
3) Pyridine	3.144	79	177	0.00	ng/uL	89
5) Aniline	6.938	93	114	0.22	ng/uL#	33
7) Phenol	6.909	94	7145	0.06	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.938	93	114	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.469	146	773	0.01	ng/uL#	1
11) 1,4-Dichlorobenzene	7.620	146	371	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	7.923	146	970	0.01	ng/uL#	55
13) Bis(2-chloroisipropyl)...	8.186	45	126	0.00	ng/uL#	51
14) Benzyl Alcohol	7.877	108	913	0.01	ng/uL#	68
15) 2-Methylphenol	7.877	108	913	0.01	ng/uL#	36
16) Acetophenone	8.413	105	885	0.01	ng/uL#	88
17) Hexachloroethane	8.617	119	382	0.01	ng/uL#	3
18) 4-Methylphenol	8.460	108	138	0.00	ng/uL#	27
19) N-Nitroso-di-n-propyla...	8.728	70	50487	RT ~~0.76~~	ng/uL#	2
22) Nitrobenzene	8.803	77	213	0.00	ng/uL#	30
24) Isophorone	9.311	82	1019	0.01	ng/uL#	58
25) 2-Chloroaniline	8.955	127	3350	0.03	ng/uL#	55
26) 2-Nitrophenol	9.526	139	63	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.742	107	181	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	10.237	93	462	0.00	ng/uL	86
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.969	105	146	RT ~~2.46~~	ng/uL#	53
31) 1,2,4-Trichlorobenzene	10.191	180	490	0.01	ng/uL#	47
32) Naphthalene	10.342	128	2295	0.01	ng/uL#	91
33) 4-Chloroaniline	10.354	127	241	0.00	ng/uL#	76
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.292	55	4832	0.12	ng/uL#	34
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	11.694	107	327	0.00	ng/uL#	66
39) 2-Methylnaphthalene	11.968	142	2409	0.01	ng/uL#	92
40) 1-Methylnaphthalene	12.184	142	2883	0.02	ng/uL	91
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-06 2x.D
Acq On : 14 Oct 2014 15:43
Operator : JLB
Sample : 1410014-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:57:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.093	162	331	0.00	ng/uL#	35
49) 1,1'-Biphenyl	13.099	154	1145	0.01	ng/uL#	73
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.073	152	432	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.014	165	90	0.00	ng/uL#	1
53) Dimethyl Phthalate	13.892	163	5390	0.03	ng/uL#	85
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.481	153	1794	0.01	ng/uL	94
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	15.133	168	158	0.00	ng/uL	94
58) 4-Nitrophenol	14.900	65	124	0.00	ng/uL#	1
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.722	166	1253	0.01	ng/uL#	28
63) Diethyl Phthalate	15.605	149	4946	0.03	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.967	204	372	0.00	ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.		
67) 4,6-Dinitro-2-methylph...	16.287	198	156	RT ~~0.99~~	ng/uL#	1
68) N-Nitroso-diphenylamine	16.078	169	547	0.00	ng/uL#	37
69) 1,2-Diphenylhydrazine	16.188	182	619	0.01	ng/uL#	66
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	17.482	266	372	0.02	ng/uL#	22
75) Phenanthrene	17.879	178	9983	0.05	ng/uL	97
76) Anthracene	17.978	178	2612	0.01	ng/uL#	82
77) Carbazole	18.304	167	1832	0.01	ng/uL#	74
79) Di-n-butyl Phthalate	18.986	149	14384	0.07	ng/uL#	77
80) Fluoroanthene	19.761	202	7507	0.04	ng/uL#	67
82) Pyrene	20.053	202	8966	0.04	ng/uL#	87
83) Butyl Benzyl Phthalate	20.886	149	21993m	0.27	ng/uL	
84) Bis(2-ethylhexyl) adipate	20.985	129	2342	0.10	ng/uL#	100
85) Benzo(a)anthracene	21.463	228	9012	0.06	ng/uL#	46
86) Chrysene	21.498	228	5686	0.04	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.510	149	381060	3.62	ng/uL	93
88) Di-n-octyl Phthalate	22.186	149	3129m	pp ~~0.36~~	ng/uL	
90) Benzo(b)fluoroanthene	22.646	252	7461	0.06	ng/uL#	96
91) Benzo(k)fluoranthene	22.676	252	5348	0.04	ng/uL#	85
92) Benzo(a)pyrene	23.054	252	4311	0.04	ng/uL#	60
93) Indeno(1,2,3-cd)pyrene	24.733	276	2393	0.02	ng/uL	99
94) Dibdenz(a,h)anthracene	24.768	278	1141	0.01	ng/uL#	84
95) Benzo(g,h,i)Perylene	25.205	276	1954	0.02	ng/uL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-06 2x.D
Acq On : 14 Oct 2014 15:43
Operator : JLB
Sample : 1410014-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:49:32 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration

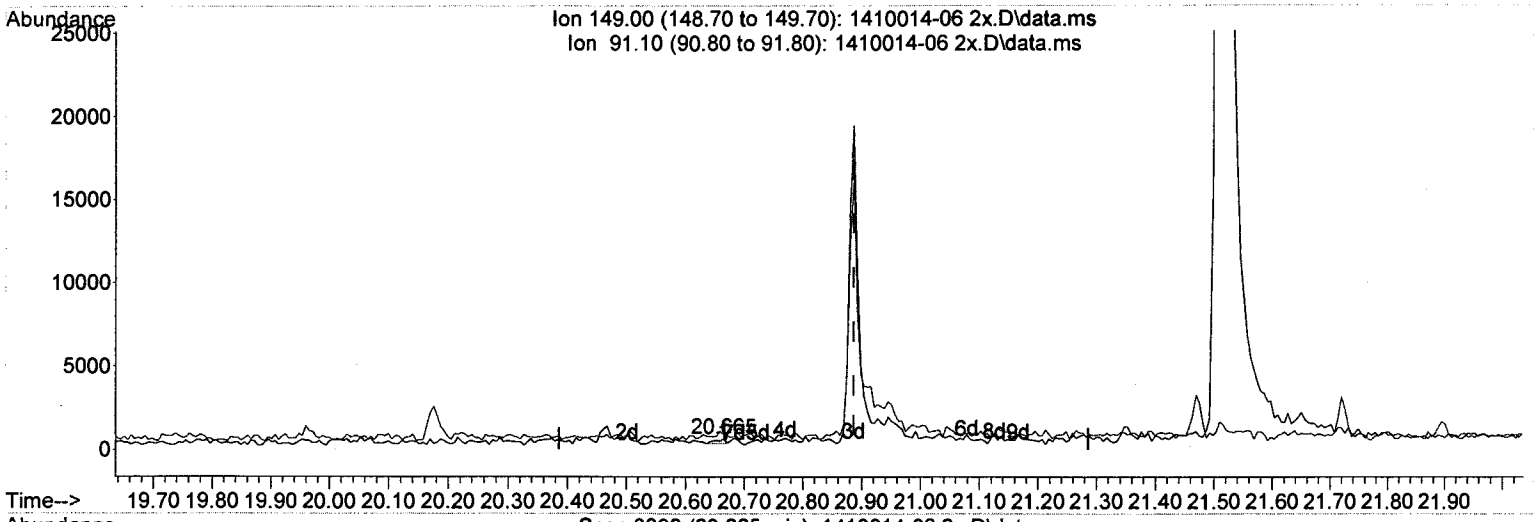
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.585	152	363182	5.00	ng/uL #	0.02
8) Naphthalene-d8	10.307	136	1407369	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.411	164	772947	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.838	188	1126652	5.00	ng/uL	0.00
19) Chrysene-d12	21.469	240	878737	5.00	ng/uL #	0.00
22) Perylene-d12	23.130	264	670033	5.00	ng/uL #	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.016	74	119	0.00	ng/uL#	1
3) Pyridine	3.144	79	177	0.00	ng/uL	89
4) Aniline	6.938	93	114	0.00	ng/uL#	33
5) Benzaldehyde	6.752	105	1751	0.02	ng/uL#	1
6) Acetophenone	8.413	105	885	0.01	ng/uL#	88
7) N-Nitroso-di-n-propyla...	8.273	70	170	0.00	ng/uL#	1
9) 4-Chloroaniline	10.523	127	215	0.01	ng/uL#	76
10) Caprolactam	11.292	55	920	0.12	ng/uL#	29
12) 1,1'-Biphenyl	13.099	154	1145	0.00	ng/uL#	73
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	16.078	169	547	0.00	ng/uL#	37
18) Atrazine	0.000		0	N.D.		
20) Benzidine	20.000	184	371	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.329	252	126	0.00	ng/uL	90

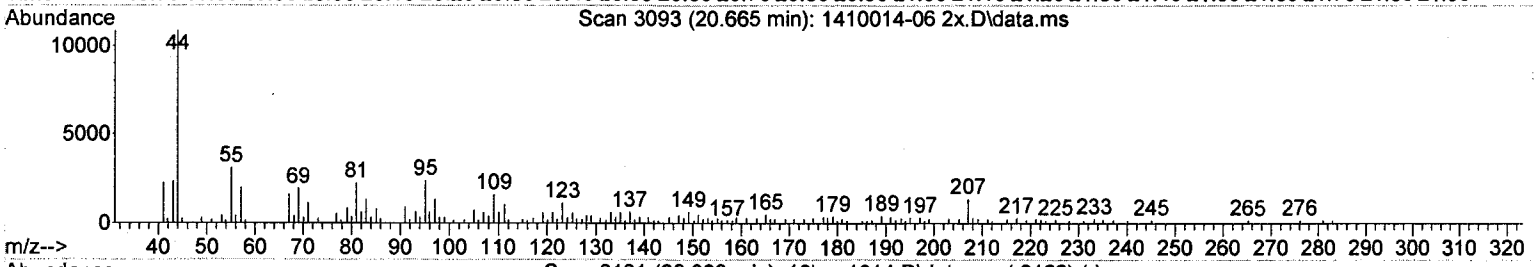
(#) = qualifier out of range (m) = manual integration (+) = signals summed

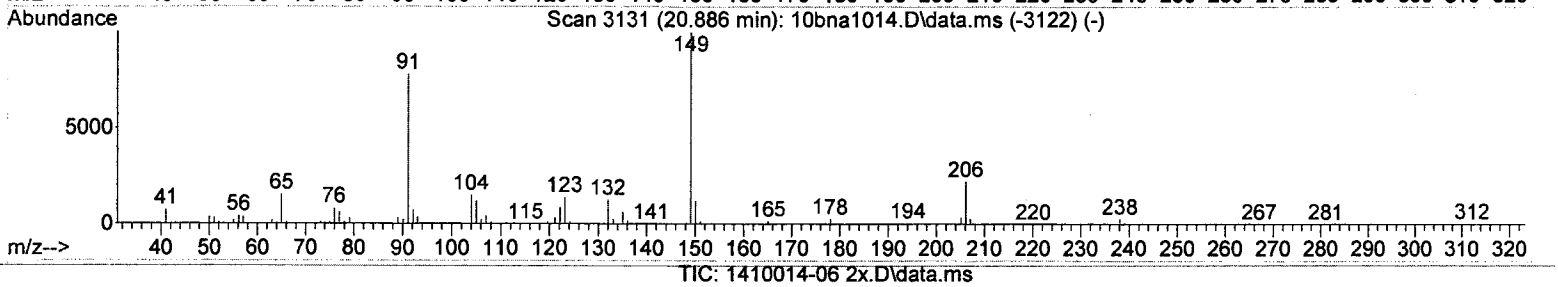
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-06 2x.D
Acq On : 14 Oct 2014 15:43
Operator : JLB
Sample : 1410014-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:55:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1410014-06 2x.D\data.ms

(83) Butyl Benzyl Phthalate

20.665min (-0.221) 0.00 ng/uL

response 330

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	90.00
0.00	0.00	0.00
0.00	0.00	0.00

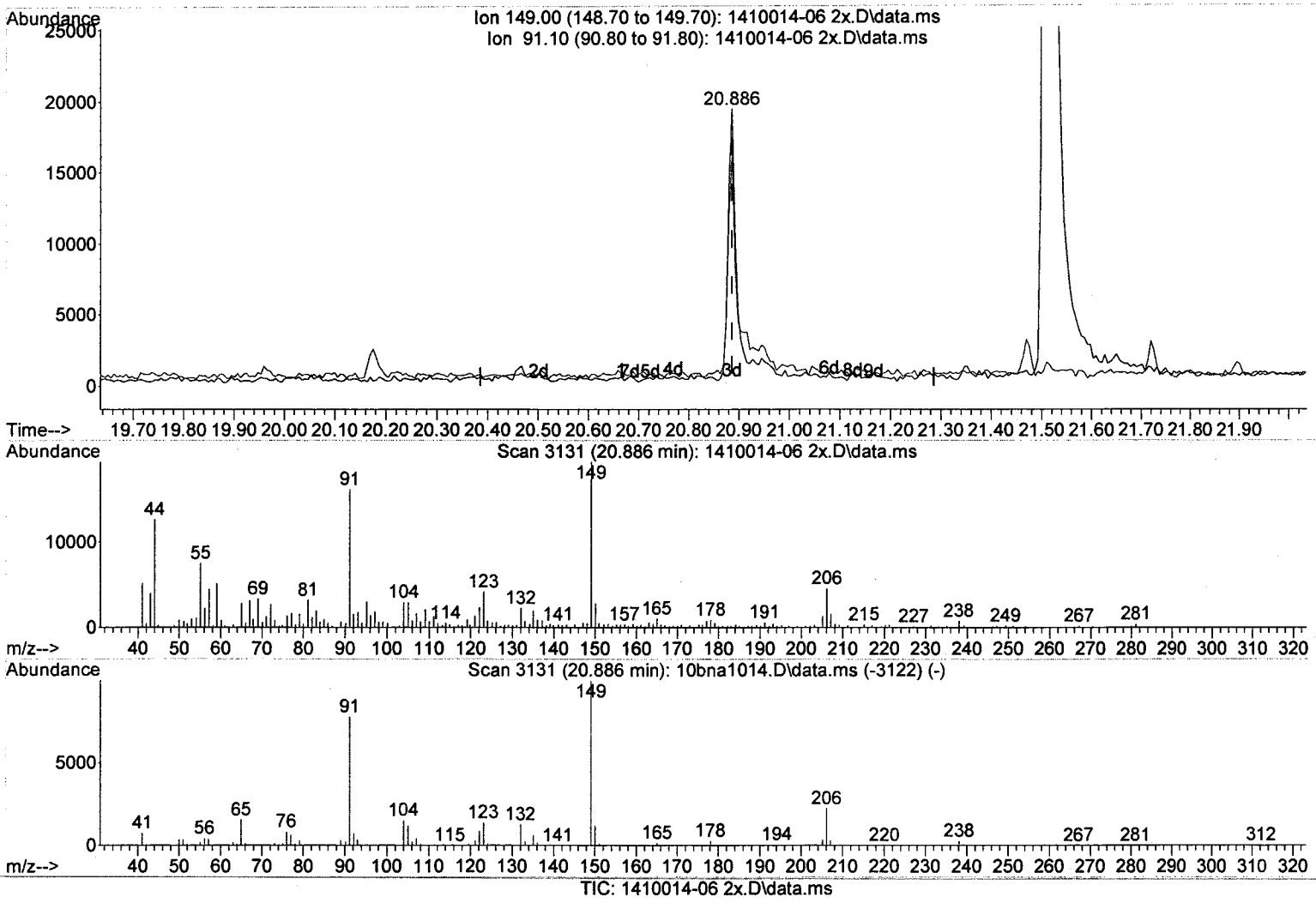
JWS 10/15/14

003872

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-06 2x.D
Acq On : 14 Oct 2014 15:43
Operator : JLB
Sample : 1410014-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:55:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1410014-06 2x.D\data.ms

(83) Butyl Benzyl Phthalate

20.886min (+ 0.000) 0.27 ng/uL m

response 21993

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	1.35#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

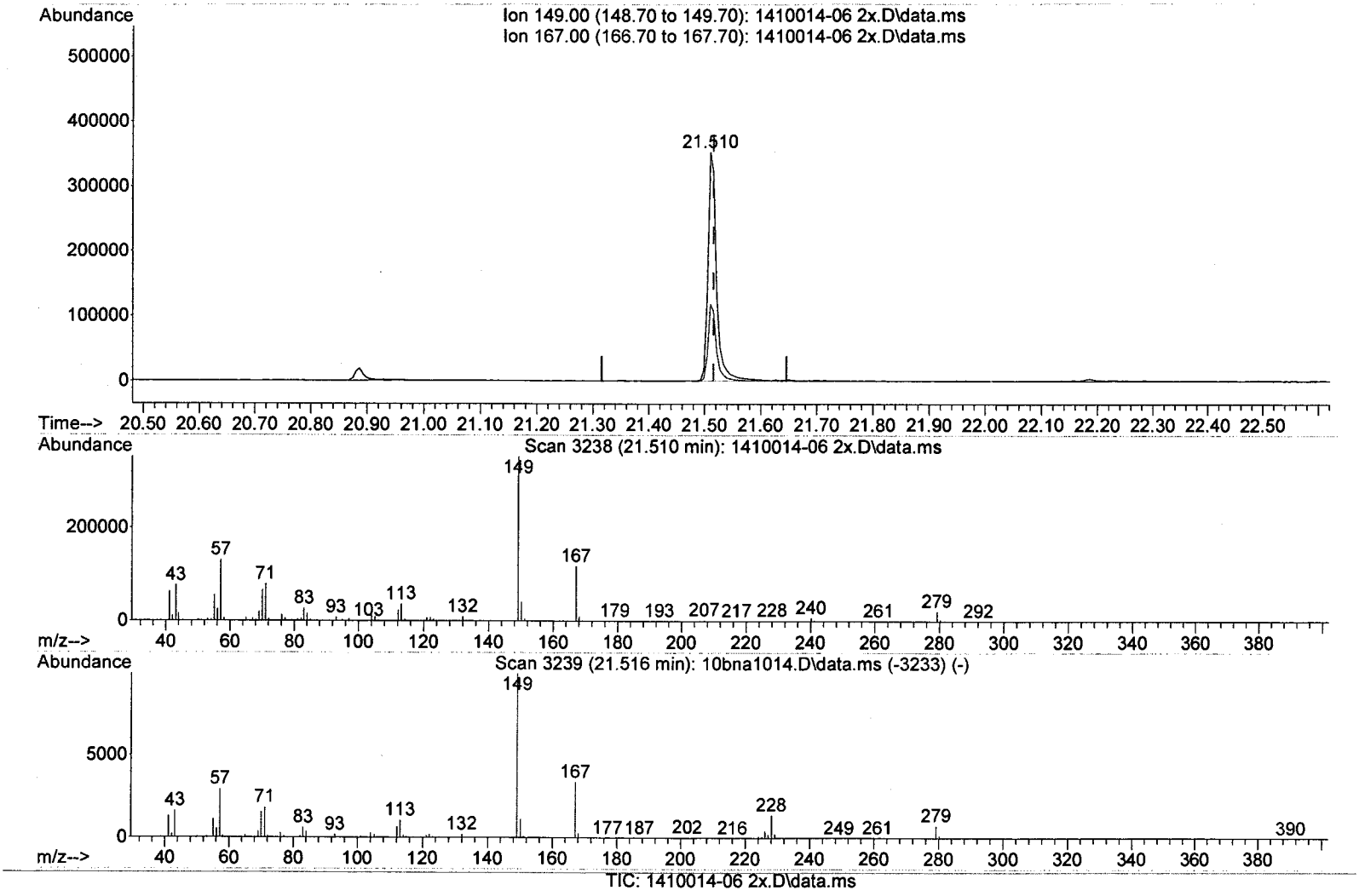
Analyst: JLB Date: 10/15/14

Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-06 2x.D
Acq On : 14 Oct 2014 15:43
Operator : JLB
Sample : 1410014-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:55:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.510min (-0.006) 3.62 ng/uL

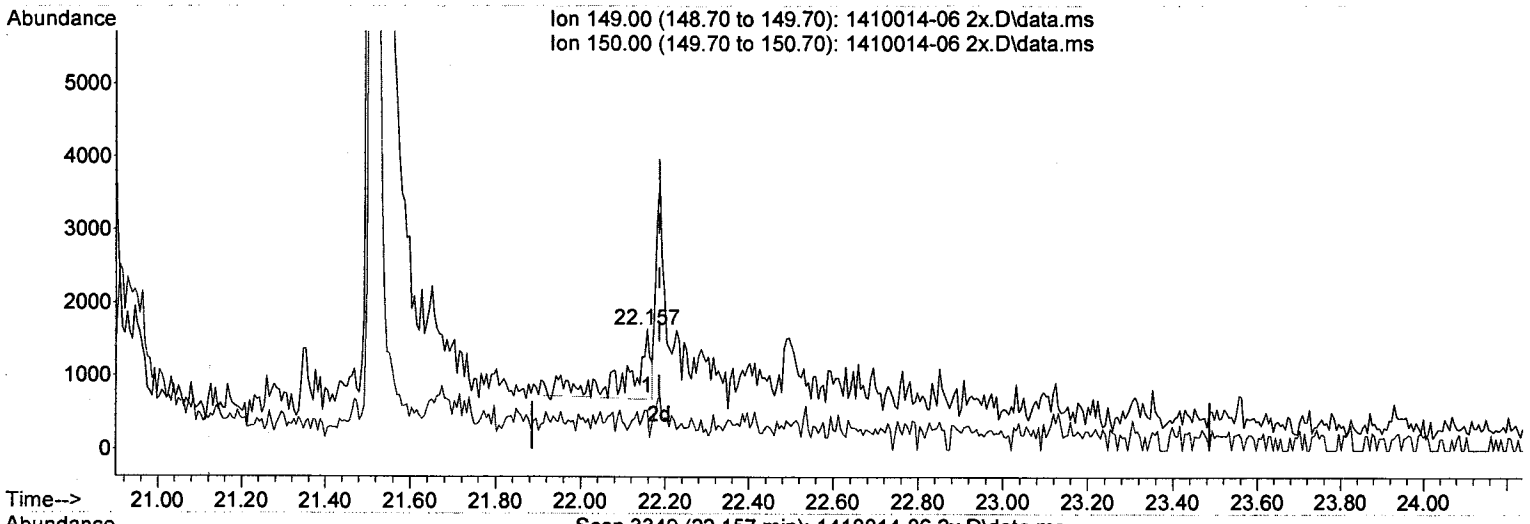
response 381060

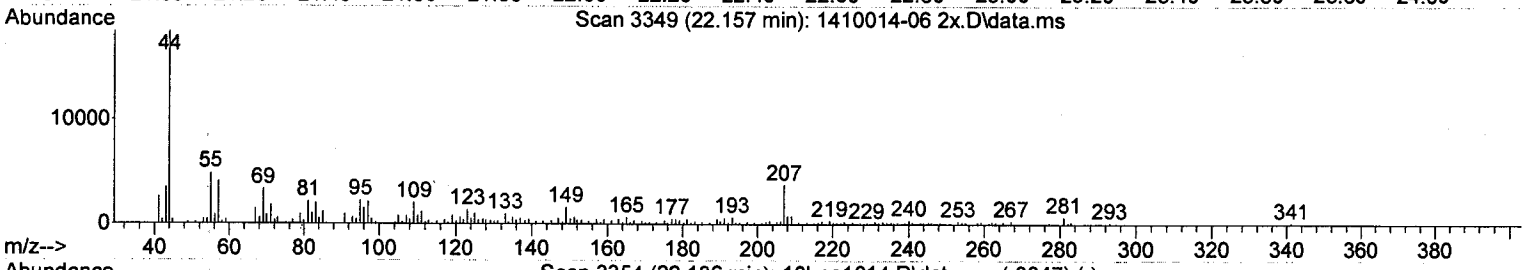
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.12
0.00	0.00	0.00
0.00	0.00	0.00

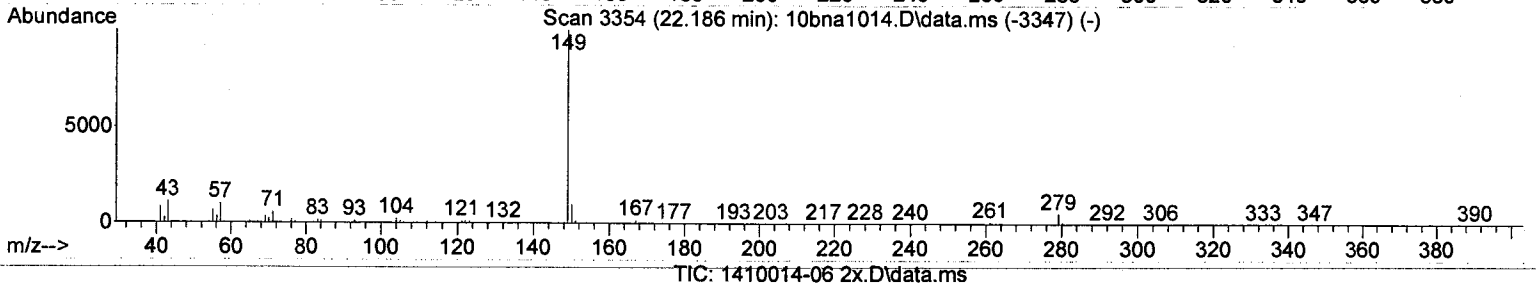
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-06 2x.D
Acq On : 14 Oct 2014 15:43
Operator : JLB
Sample : 1410014-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:55:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1410014-06 2x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.157min (-0.029) 0.36 ng/uL

response 3576

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	9.65
0.00	0.00	0.00
0.00	0.00	0.00

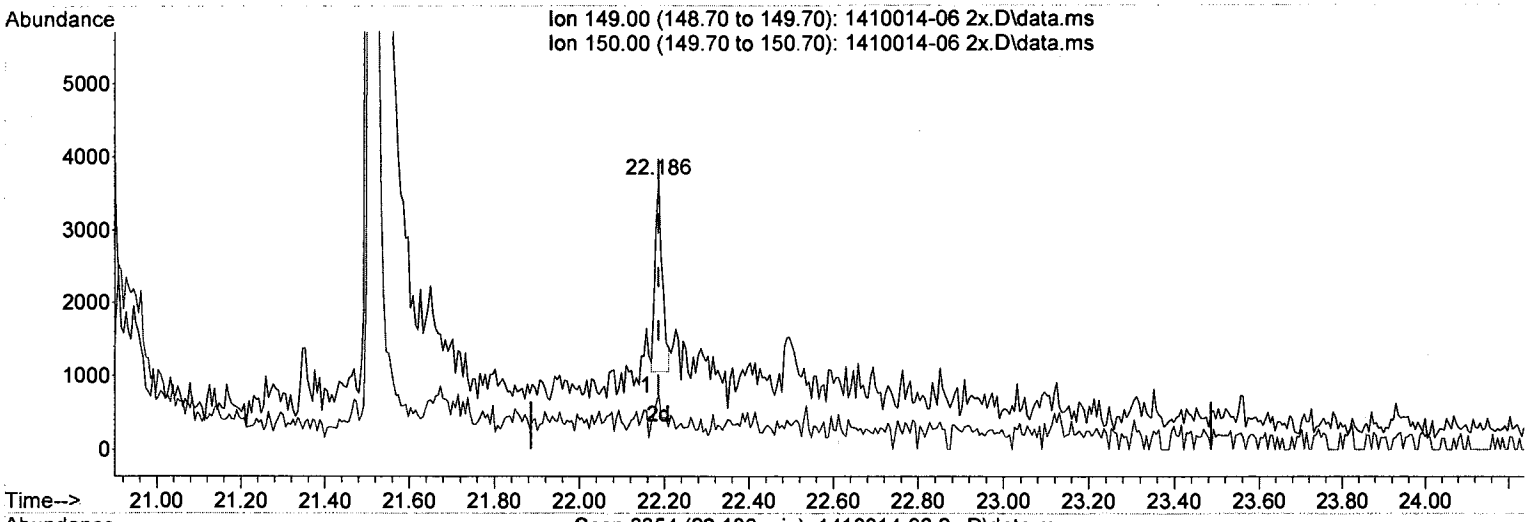
JLB 10/15/14

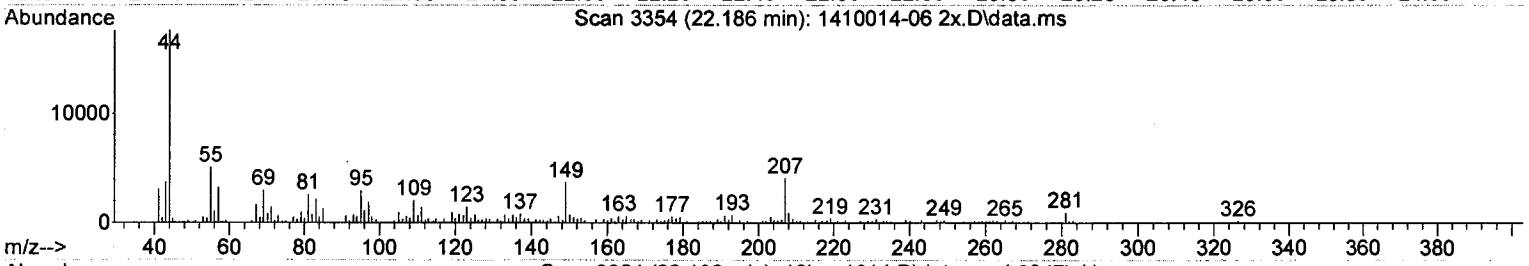
003375

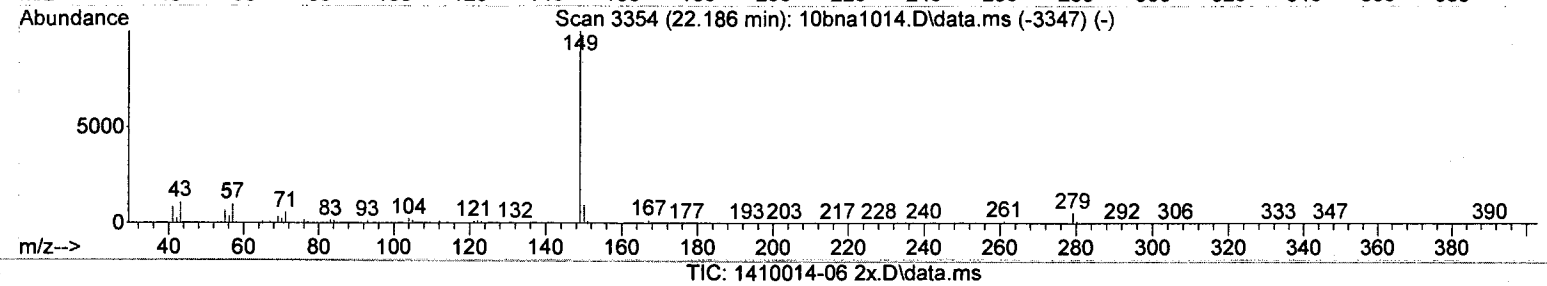
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-06 2x.D
Acq On : 14 Oct 2014 15:43
Operator : JLB
Sample : 1410014-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:55:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 1410014-06 2x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.186min (0.000) 0.36 ng/uL m

response 3129

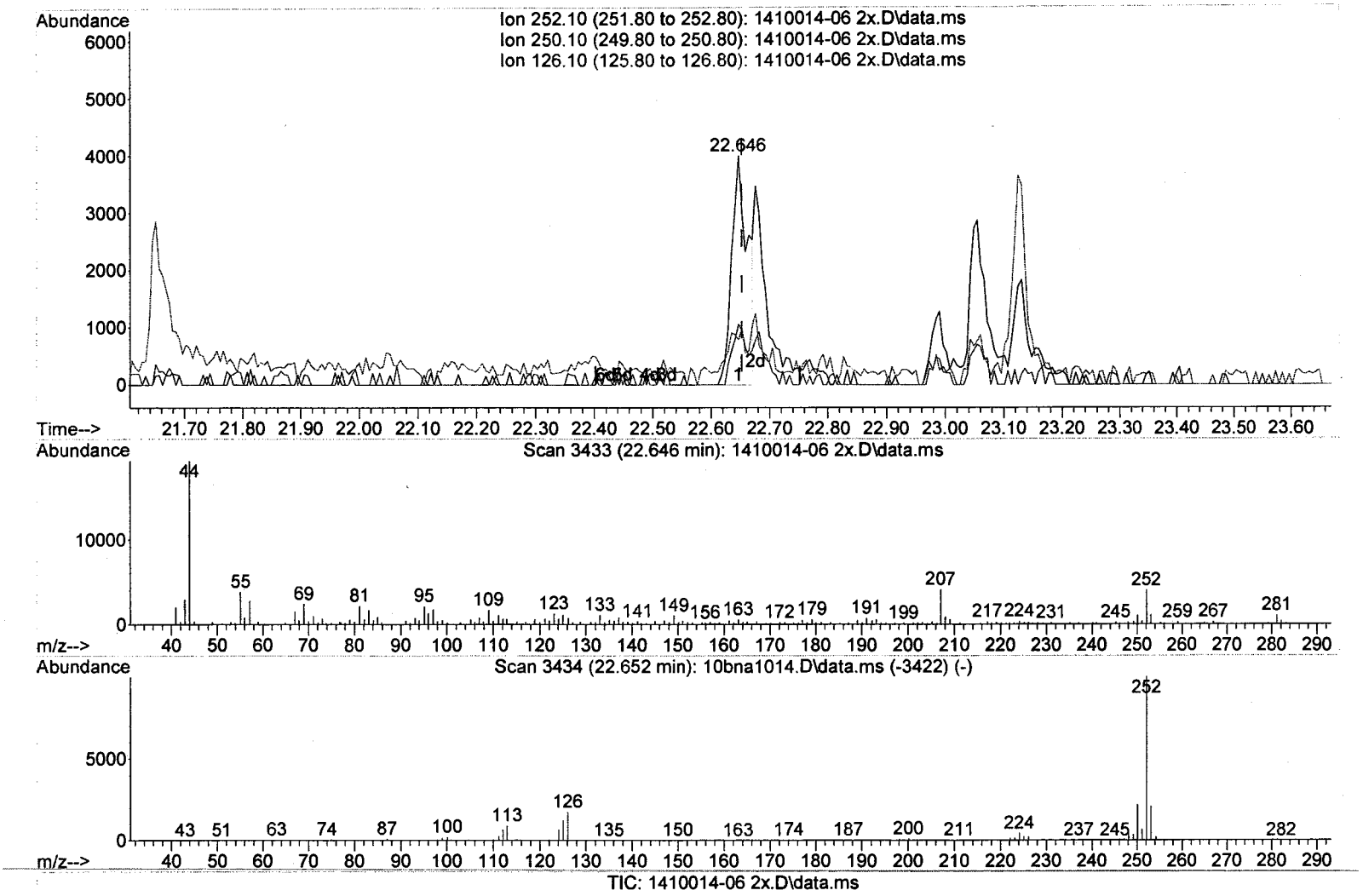
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	11.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: ASC Date: 10/21/14
PP

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 1410014-06 2x.D
Acq On : 14 Oct 2014 15:43
Operator : JLB
Sample : 1410014-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:55:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 1410014-06 2x.D\data.ms

(90) Benzo(b)fluoroanthene

22.646min (-0.006) 0.06 ng/uL

response 7461

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	22.74
126.10	17.20	21.18#
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-07 File ID: 1410014-07.D

Sampled: 09/29/14 14:19 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 18:28

Solids: 97.59 Preparation: 3550C Sonication Extract Initial/Final: 29.5 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	170	71	170	340	U
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-07 File ID: 1410014-07.D

Sampled: 09/29/14 14:19 Prepared: 10/02/14 07:41 Analyzed: 10/10/14 18:28

Solids: 97.59 Preparation: 3550C Sonication Extract Initial/Final: 29.5 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	63	12	17	34	B
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	4.2	4.0	17	170	J
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	695	566	82	33 - 113	
Phenol-d6	695	622	90	30 - 115	
Nitrobenzene-d5	347	334	96	33 - 131	
2-Fluorobiphenyl	347	345	99	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-20

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-07
File ID: 1410014-07.D
Sampled: 09/29/14 14:19
Prepared: 10/02/14 07:41
Analyzed: 10/10/14 18:28
Solids: 97.59
Preparation: 3550C Sonication Extract
Initial/Final: 29.5 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	695	482	69	12 - 124	
o-Terphenyl	347	399	115	20 - 155	

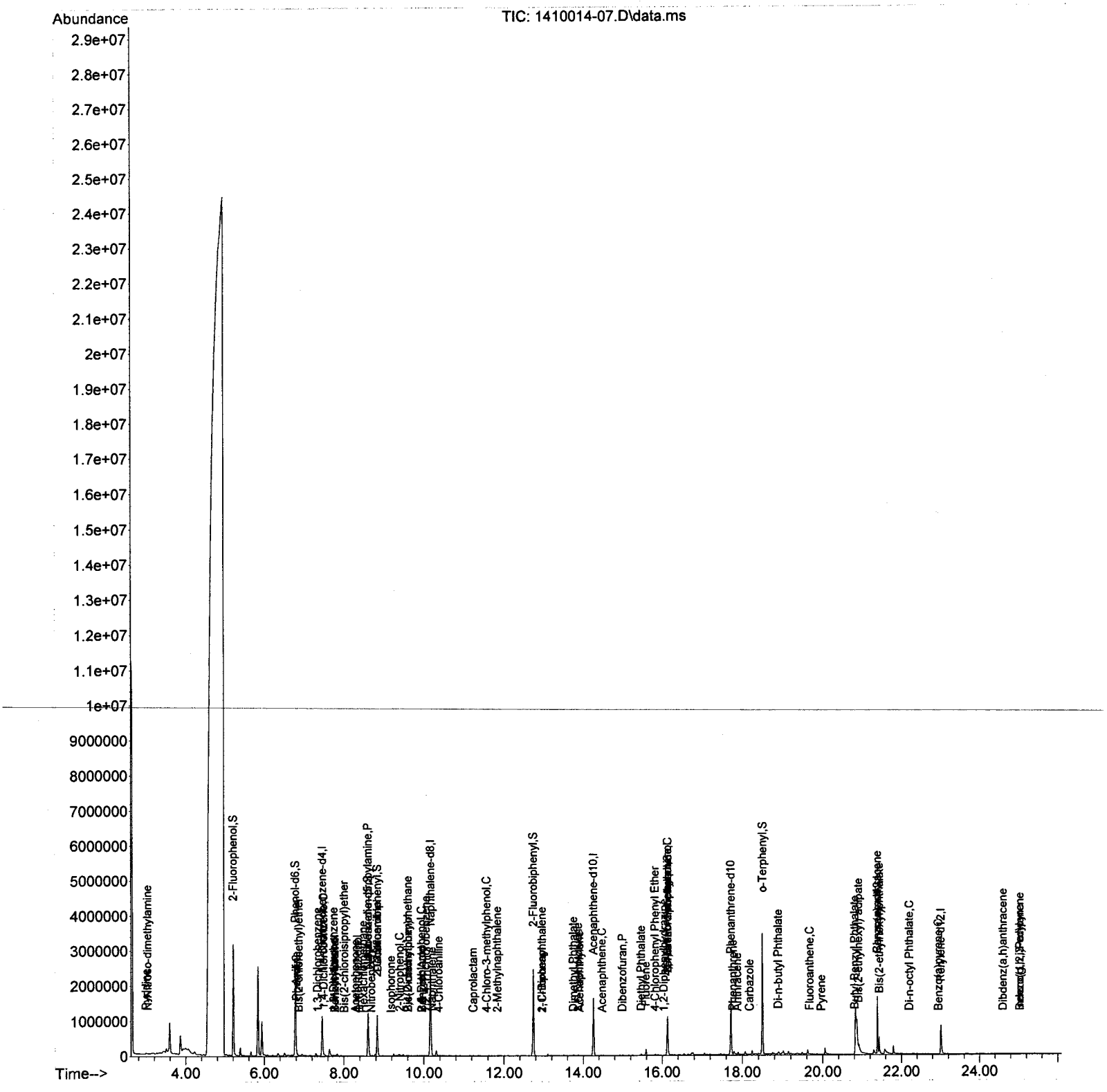
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	354181	7.459	403279	7.614	
Naphthalene-d8	1303685	10.169	1529030	10.359	
Acenaphthene-d10	698131	14.267	866604	14.474	
Phenanthrene-d10	970616	17.717	1400442	17.901	
Chrysene-d12	693296	21.389	1153654	21.538	
Perylene-d12	496583	23.01	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-07.D
Acq On : 10 Oct 2014 18:28
Operator : JLB
Sample : 1410014-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 09:01:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



003381

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-07.D
Acq On : 10 Oct 2014 18:28
Operator : JLB
Sample : 1410014-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 09:01:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	354181	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.169	136	1303685	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.267	164	698131	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.717	188	970616	5.00	ng/uL	0.00
81) Chrysene-d12	21.389	240	693296	5.00	ng/uL	# 0.00
89) Perylene-d12	23.010	264	496583	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.203	112	1319023	16.30	ng/uL	0.20
6) Phenol-d6	6.783	99	1876732	17.92	ng/uL	0.04
21) Nitrobenzene-d5	8.601	82	801432	9.62	ng/uL	0.00
23) Decafluorobiphenyl	8.834	334	507012	8.68	ng/uL	0.00
47) 2-Fluorobiphenyl	12.740	172	1433576	9.94	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.143	330	204281	13.88	ng/uL	-0.01
78) o-Terphenyl	18.504	230	956230	11.49	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.029	74	748	0.01	ng/uL	83
3) Pyridine	2.988	79	450	0.01	ng/uL	100
5) Aniline	6.800	93	564	0.23	ng/uL#	1
7) Phenol	6.806	94	14202	0.12	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.864	93	178	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.336	146	2015	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.488	146	973	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.744	146	230	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.007	45	2345	0.01	ng/uL#	62
14) Benzyl Alcohol	7.774	108	861	0.01	ng/uL#	50
15) 2-Methylphenol	7.774	108	861	0.01	ng/uL#	1
16) Acetophenone	8.286	105	1675	0.01	ng/uL#	81
17) Hexachloroethane	8.479	119	581	0.02	ng/uL#	3
18) 4-Methylphenol	8.345	108	56	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.601	70	103125	RT ~~1.61~~	ng/uL#	5
22) Nitrobenzene	8.677	77	137	0.00	ng/uL#	43
24) Isophorone	9.178	82	1869	0.01	ng/uL#	68
25) 2-Chloroaniline	8.829	127	6965	0.07	ng/uL#	61
26) 2-Nitrophenol	9.400	139	930	0.02	ng/uL#	1
27) 2,4-Dimethylphenol	9.610	107	1085	0.01	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.610	93	1803	0.02	ng/uL#	24
29) 2,4-Dichlorophenol	9.948	162	470	0.01	ng/uL#	44
30) Benzoic Acid	9.953	105	592	RT ~~2.46~~	ng/uL#	48
31) 1,2,4-Trichlorobenzene	10.053	180	1036	0.01	ng/uL	89
32) Naphthalene	10.204	128	786	0.00	ng/uL#	1
33) 4-Chloroaniline	10.367	127	476	0.01	ng/uL#	64
34) 2,6-Dichlorophenol	9.948	162	470	0.01	ng/uL#	39
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.236	55	6101	0.16	ng/uL#	30
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	11.568	107	160	0.00	ng/uL#	1
39) 2-Methylnaphthalene	11.830	142	76	0.00	ng/uL#	4
40) 1-Methylnaphthalene	0.000		0	N.D.		
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-07.D
Acq On : 10 Oct 2014 18:28
Operator : JLB
Sample : 1410014-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 09:01:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	12.955	162	371	0.00 ng/uL#	80
49) 1,1'-Biphenyl	12.955	154	765	0.00 ng/uL#	72
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.911	152	63	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.876	165	110	0.00 ng/uL#	31
53) Dimethyl Phthalate	13.754	163	10399	0.07 ng/uL	94
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.476	153	58	0.00 ng/uL#	12
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.995	168	331	0.00 ng/uL#	37
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.584	166	144	0.00 ng/uL#	1
63) Diethyl Phthalate	15.462	149	10524	0.07 ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.817	204	809	0.01 ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	16.138	198	558	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.143	169	8806	0.08 ng/uL#	41
69) 1,2-Diphenylhydrazine	16.044	182	923	0.02 ng/uL#	58
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	0.000		0	N.D.	
75) Phenanthrene	17.764	178	1307	0.01 ng/uL#	78
76) Anthracene	17.875	178	52	0.00 ng/uL#	1
77) Carbazole	18.178	167	337	0.00 ng/uL#	4
79) Di-n-butyl Phthalate	18.889	149	26848	0.14 ng/uL	98
80) Fluoroanthene	19.670	202	579	0.00 ng/uL#	62
82) Pyrene	19.961	202	534	0.00 ng/uL#	63
83) Butyl Benzyl Phthalate	20.806	149	2092m	0.03 ng/uL	
84) Bis(2-ethylhexyl) adipate	20.905	129	2841	0.11 ng/uL#	100
85) Benzo(a)anthracene	21.389	228	1809	0.01 ng/uL#	1
86) Chrysene	21.389	228	1809	0.01 ng/uL#	40
87) Bis(2-ethylhexyl)phtha...	21.436	149	149343	1.80 ng/uL	94
88) Di-n-octyl Phthalate	22.199	149	18284	pr ~~0.46~~ ng/uL#	75
90) Benzo(b)fluoroanthene	0.000		0	N.D.	
91) Benzo(k)fluoranthene	0.000		0	N.D.	
92) Benzo(a)pyrene	22.945	252	54	0.00 ng/uL#	57
93) Indeno(1,2,3-cd)pyrene	25.032	276	578	0.01 ng/uL#	64
94) Dibdenz(a,h)anthracene	24.601	278	106	0.00 ng/uL#	60
95) Benzo(g,h,i)Perylene	25.032	276	578	0.01 ng/uL#	66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-07.D
Acq On : 10 Oct 2014 18:28
Operator : JLB
Sample : 1410014-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 08:48:23 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

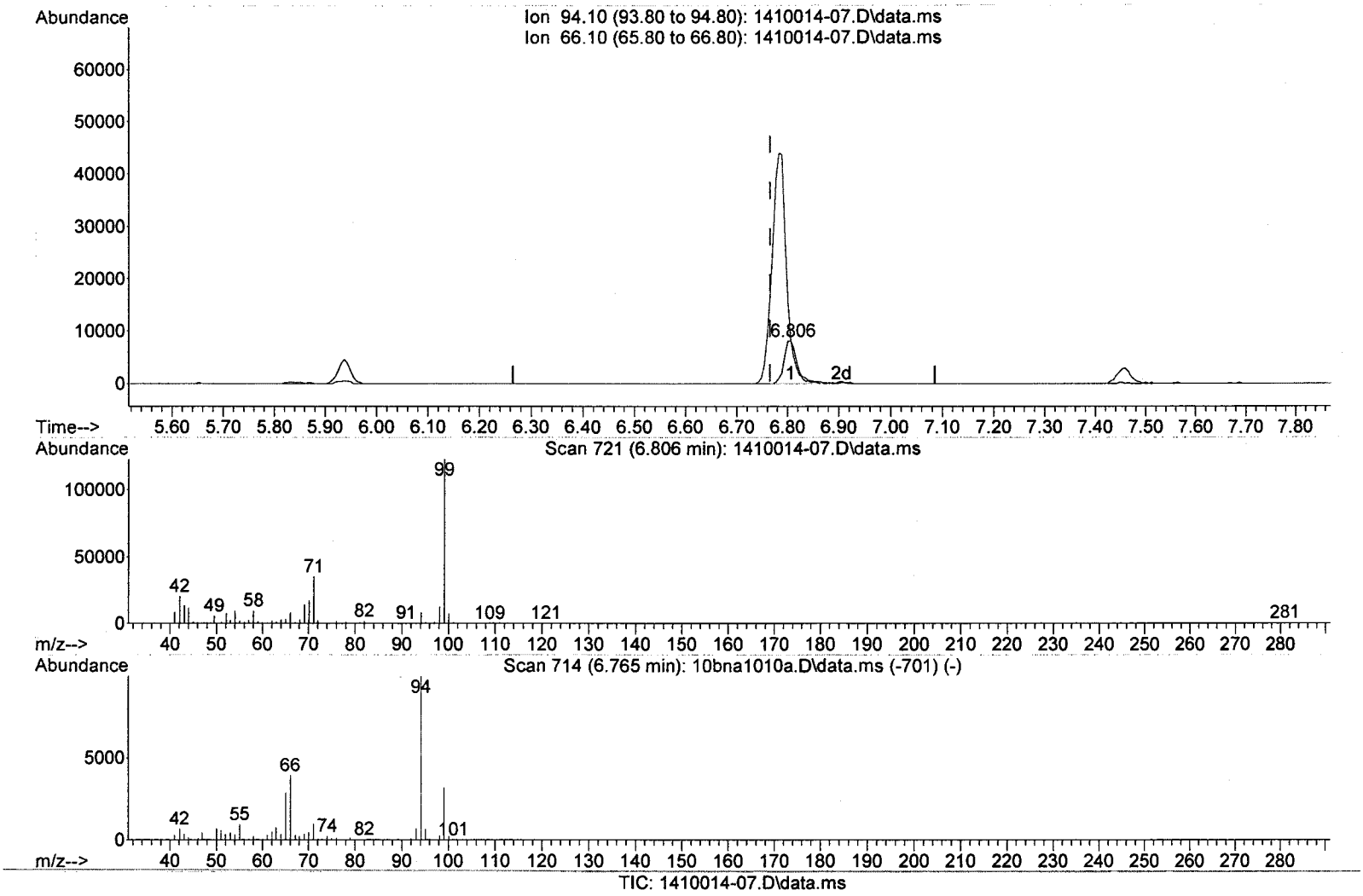
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.459	152	345993	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.169	136	1303685	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.267	164	697503	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.717	188	971153	5.00	ng/uL		0.00
19) Chrysene-d12	21.389	240	693296	5.00	ng/uL	#	0.00
22) Perylene-d12	23.010	264	496583	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.029	74	748	0.01	ng/uL		83
3) Pyridine	2.988	79	402	0.00	ng/uL		90
4) Aniline	6.800	93	564	0.00	ng/uL	#	1
5) Benzaldehyde	6.567	105	3087	0.04	ng/uL	#	75
6) Acetophenone	8.286	105	1675	0.01	ng/uL	#	81
7) N-Nitroso-di-n-propyla...	8.310	70	878	0.01	ng/uL		90
9) 4-Chloroaniline	10.367	127	476	0.01	ng/uL	#	64
10) Caprolactam	11.137	55	1025	0.12	ng/uL	#	17
12) 1,1'-Biphenyl	12.955	154	765	0.00	ng/uL	#	72
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.753	138	54	Below Cal		#	56
17) N-Nitroso-diphenylamine	16.143	169	8806	0.08	ng/uL	#	41
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.054	184	594	0.42	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-07.D
Acq On : 10 Oct 2014 18:28
Operator : JLB
Sample : 1410014-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 09:00:47 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-07.D\data.ms

(7) Phenol (C)

6.806min (+ 0.041) 0.12 ng/uL

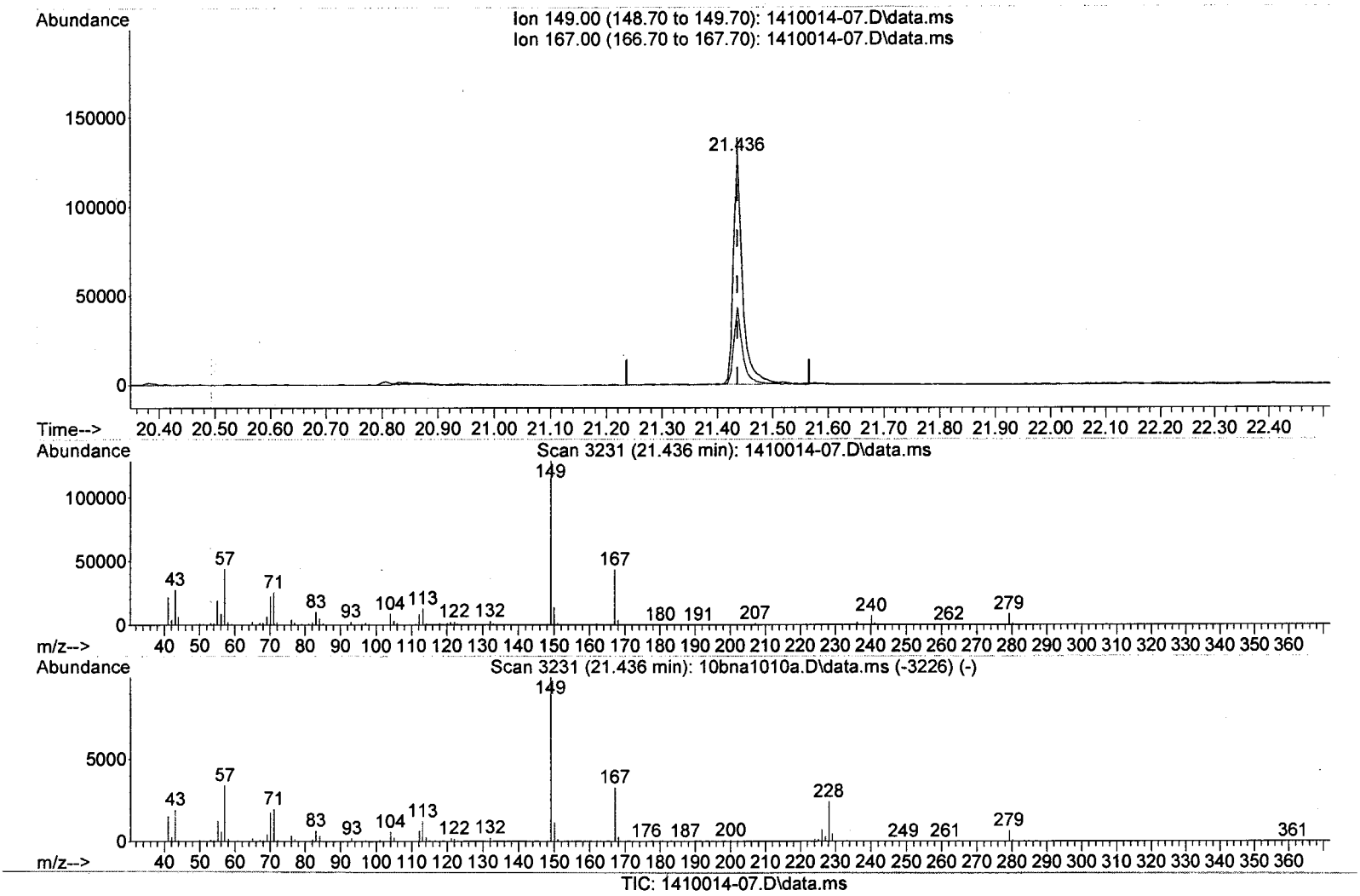
response 14202

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	622.30#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-07.D
Acq On : 10 Oct 2014 18:28
Operator : JLB
Sample : 1410014-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 09:00:47 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-07.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.436min (0.000) 1.80 ng/uL

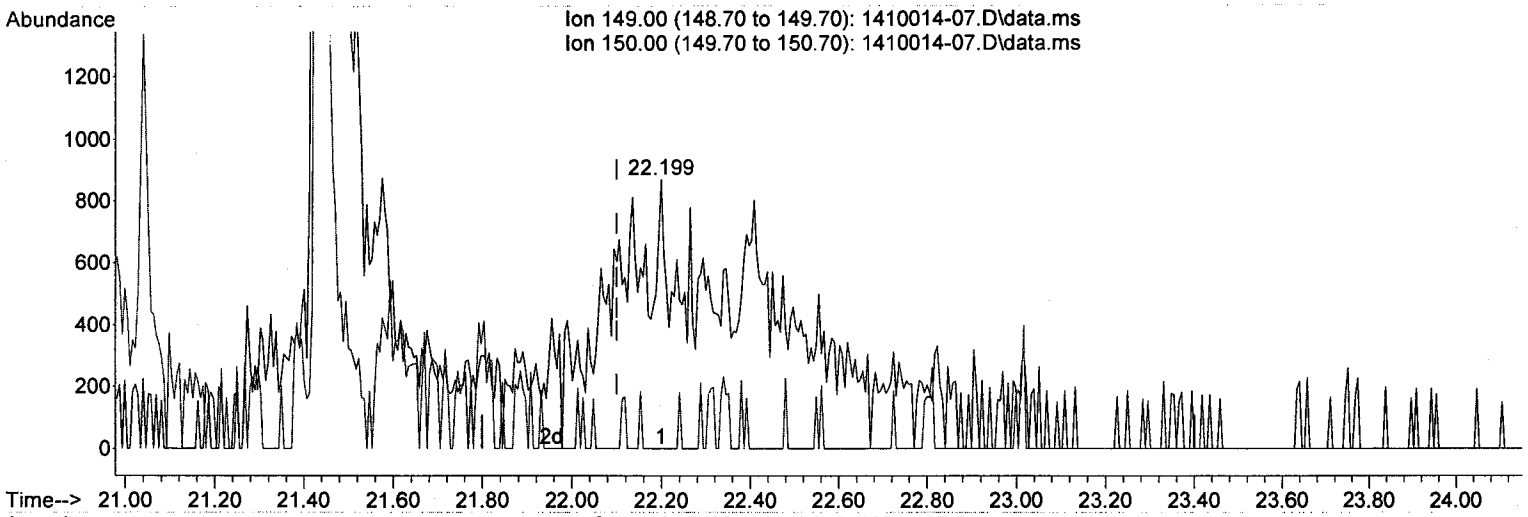
response 149343

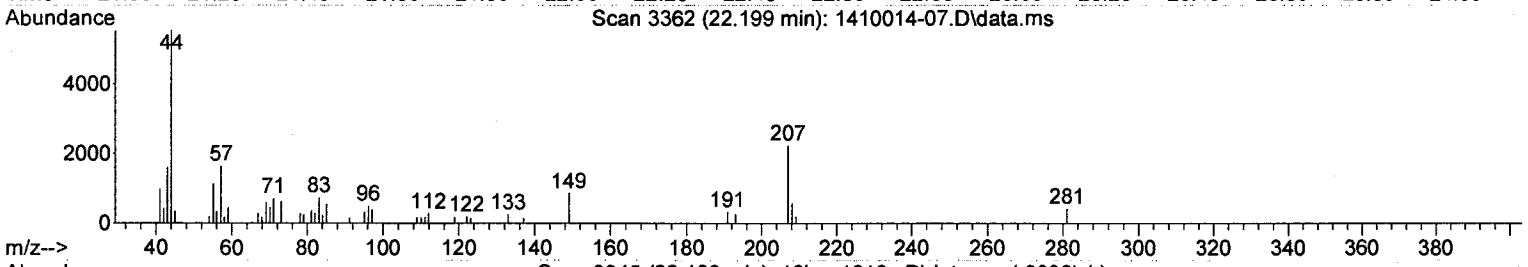
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	32.29
0.00	0.00	0.00
0.00	0.00	0.00

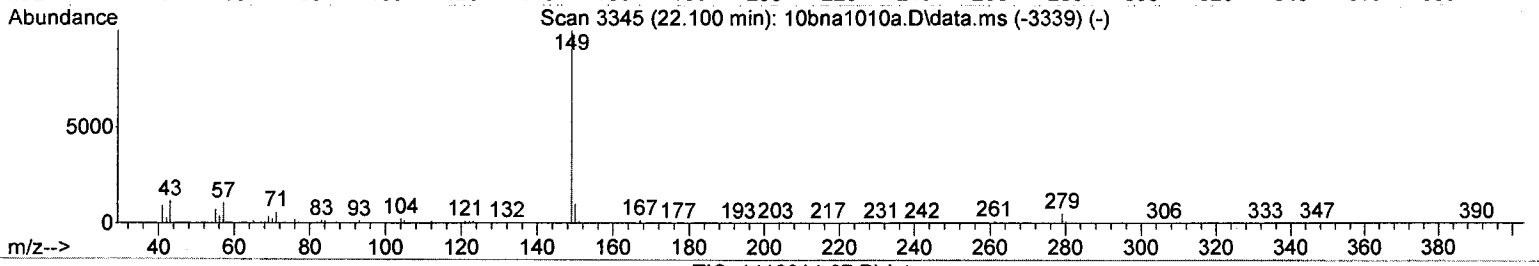
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-07.D
Acq On : 10 Oct 2014 18:28
Operator : JLB
Sample : 1410014-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 09:00:47 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-07.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.199min (+ 0.099) 0.46 ng/uL

response 18284

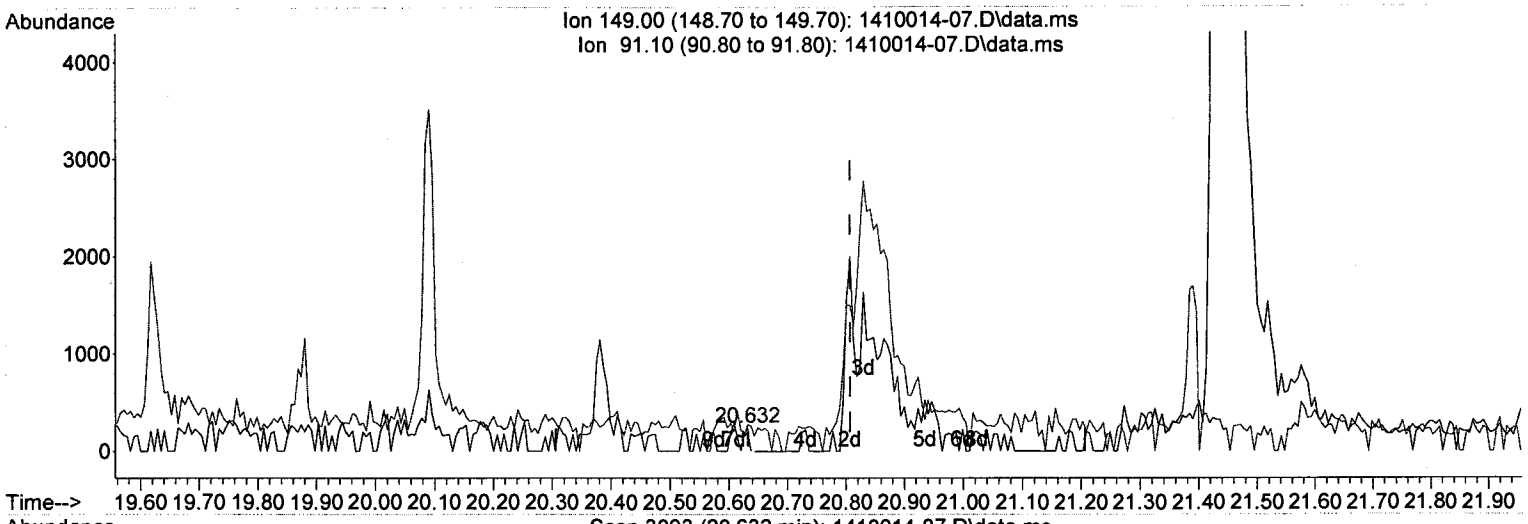
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.34#
0.00	0.00	0.00
0.00	0.00	0.00

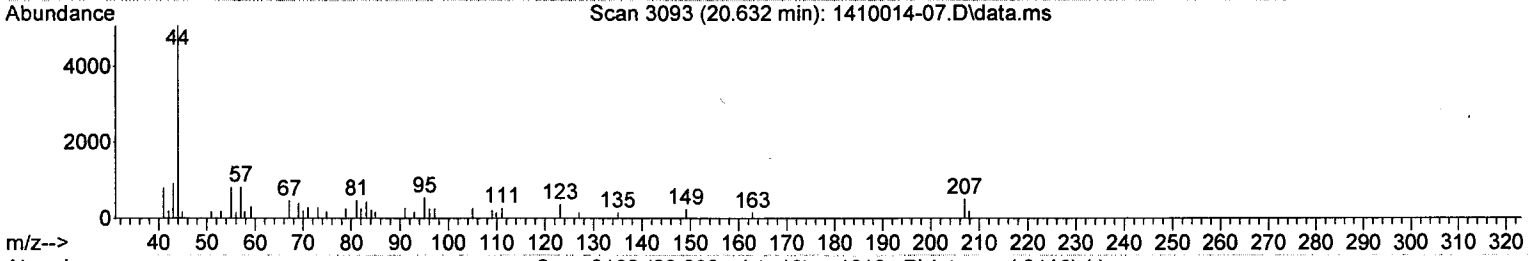
PP

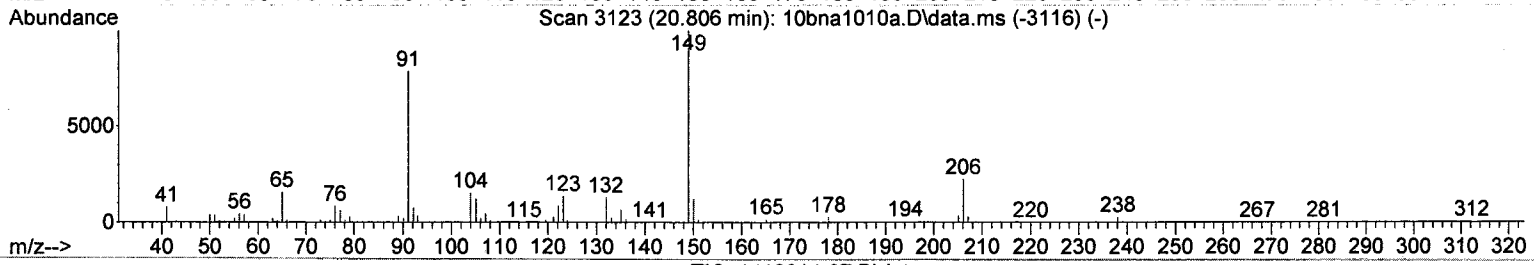
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-07.D
Acq On : 10 Oct 2014 18:28
Operator : JLB
Sample : 1410014-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 09:00:47 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-07.D\data.ms

(83) Butyl Benzyl Phthalate

20.632min (-0.175) 0.00 ng/uL

response 148

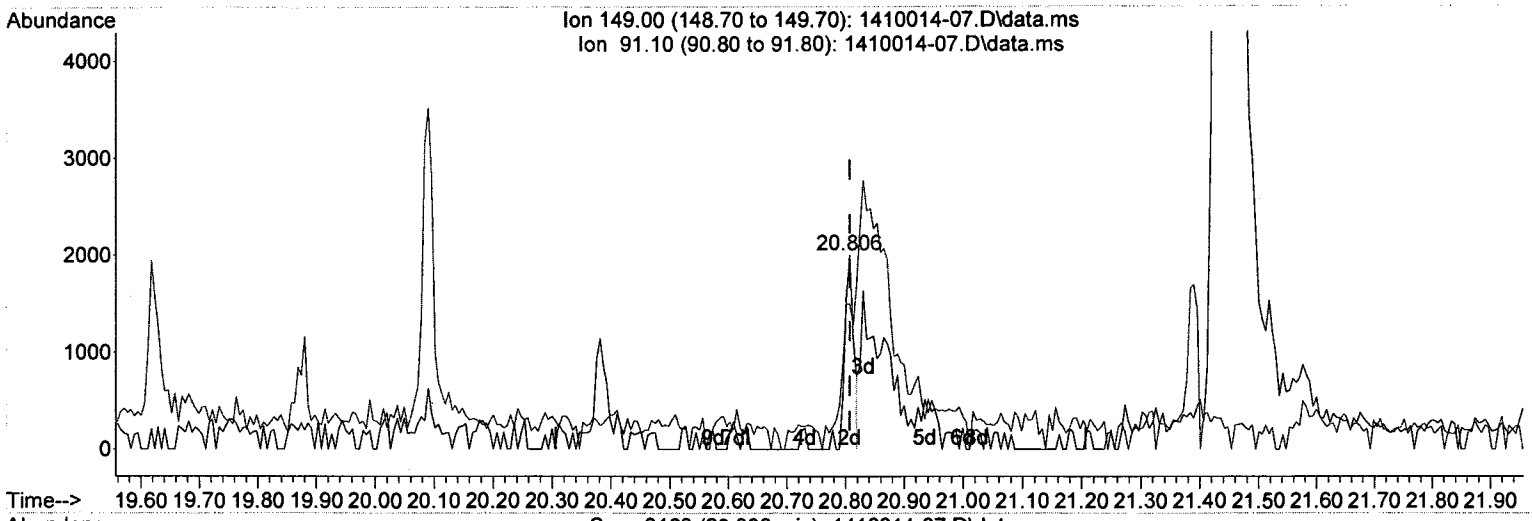
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	91.22
0.00	0.00	0.00
0.00	0.00	0.00

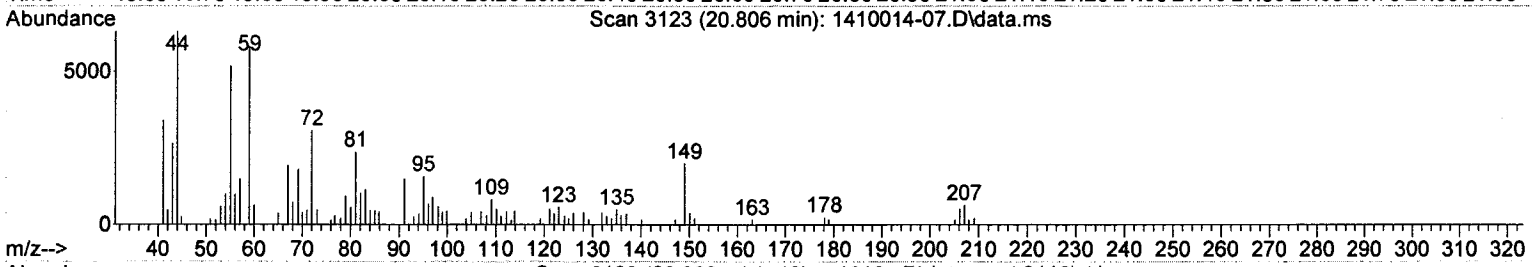
10/15/14

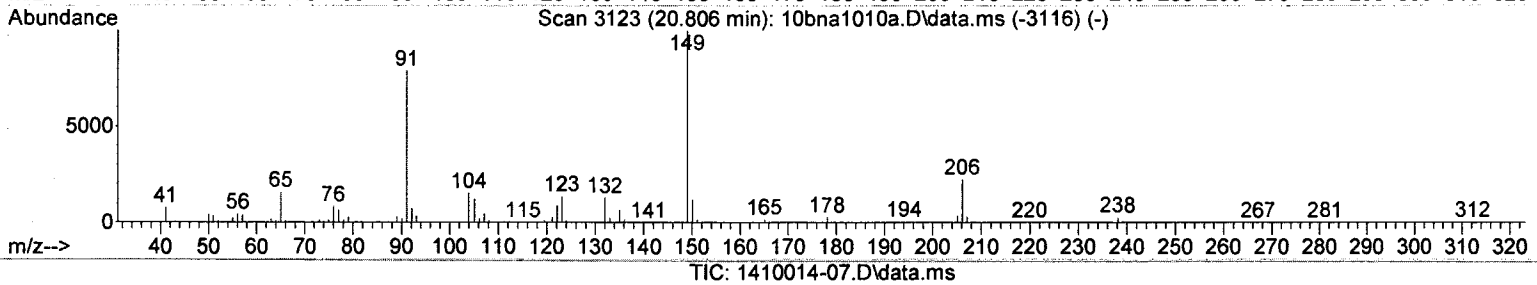
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-07.D
Acq On : 10 Oct 2014 18:28
Operator : JLB
Sample : 1410014-07 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 09:00:47 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-07.D\data.ms

(83) Butyl Benzyl Phthalate

20.806min (-0.000) 0.03 ng/uL m

response 2092

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	6.45#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 10/15/14
Reviewed By: ASC Date: 10/21/14
< MDL

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-08 File ID: 1410014-08.D

Sampled: 09/29/14 14:36 Prepared: 10/02/14 07:41 Analyzed: 10/11/14 00:22

Solids: 97.02 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	6.5	2.8	8.6	17	J
50-32-8	Benzo(a)pyrene	1	4.7	2.4	8.6	17	J
205-99-2	Benzo(b)fluoranthene	1	7.5	2.0	8.6	17	J
207-08-9	Benzo(k)fluoranthene	1	3.6	2.0	8.6	17	J
191-24-2	Benzo(g,h,i)perylene	1	5.0	1.9	8.6	34	J
65-85-0	Benzoic Acid	1	170	71	170	340	U
100-51-6	Benzyl Alcohol	1	16	4.8	17	17	J
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	15000	4.1	17	34	E
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	7.9	4.0	17	17	J
53-70-3	Dibenz(a,h)anthracene	1	2.2	2.0	8.6	34	J
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	28	14	34	69	J
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-08 File ID: 1410014-08.D

Sampled: 09/29/14 14:36 Prepared: 10/02/14 07:41 Analyzed: 10/11/14 00:22

Solids: 97.02 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410563 Sequence: 4J15024 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	U
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	1200	12	17	34	BE
206-44-0	Fluoranthene	1	8.6	4.6	17	17	J
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	2.9	2.8	8.6	34	J
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.5	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	7.9	4.2	17	17	J
108-95-2	Phenol	1	6.8	4.0	17	170	J
129-00-0	Pyrene	1	21	4.4	17	17	
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	718	569	79	33 - 113	
Phenol-d6	718	659	92	30 - 115	
Nitrobenzene-d5	359	350	97	33 - 131	
2-Fluorobiphenyl	359	367	102	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-08
File ID: 1410014-08.D
Sampled: 09/29/14 14:36
Prepared: 10/02/14 07:41
Analyzed: 10/11/14 00:22
Solids: 97.02
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410563
Sequence: 4J15024
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	718	51.7	7	12 - 124	*
o-Terphenyl	359	382	106	20 - 155	

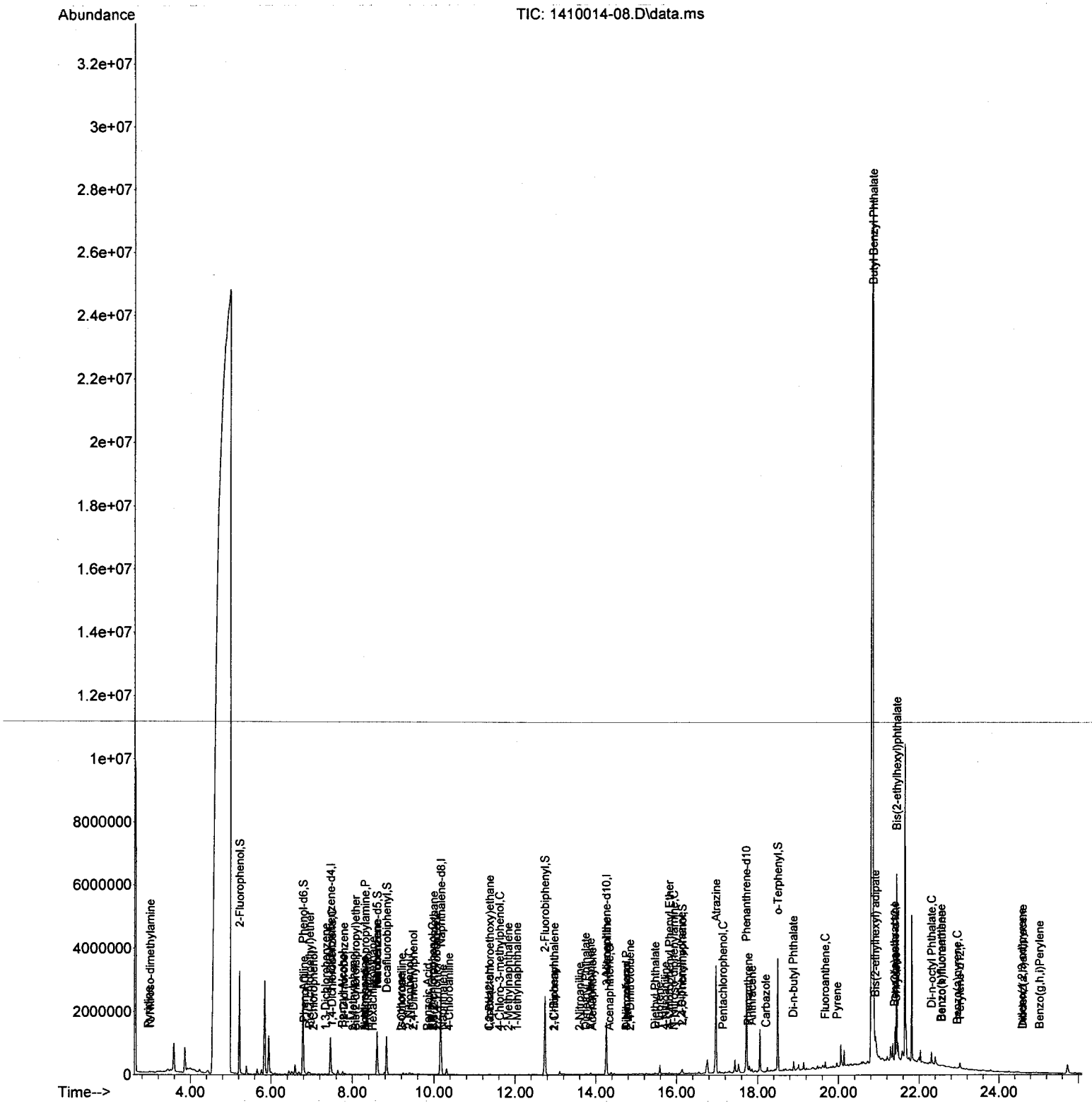
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	364761	7.459	403279	7.614	
Naphthalene-d8	1376576	10.169	1529030	10.359	
Acenaphthene-d10	727387	14.267	866604	14.474	
Phenanthrene-d10	1010391	17.717	1400442	17.901	
Chrysene-d12	456952	21.401	1153654	21.538	*
Perylene-d12	122385	23.015	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:14:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:14:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	364761	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.169	136	1376576	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.267	164	727387	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.717	188	1010391	5.00	ng/uL	0.00
81) Chrysene-d12	21.401	240	456952 low	5.00	ng/uL	# 0.00
89) Perylene-d12	23.015	264	122385 low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.221	112	1319787	15.84	ng/uL	0.22
6) Phenol-d6	6.789	99	1978632	18.34	ng/uL	0.05
21) Nitrobenzene-d5	8.601	82	857279	9.74	ng/uL	0.00
23) Decafluorobiphenyl	8.834	334	538936	8.74	ng/uL	0.00
47) 2-Fluorobiphenyl	12.740	172	1534719	10.21	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.144	330	22049	1.44	ng/uL	-0.01
78) o-Terphenyl	18.504	230	922337	10.65	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.994	74	112	0.00	ng/uL#	1
3) Pyridine	2.959	79	333	0.00	ng/uL	98
5) Aniline	6.800	93	658	0.23	ng/uL#	1
7) Phenol	6.812	94	22968	0.19	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.952	93	185	0.00	ng/uL#	1
9) 2-Chlorophenol	7.039	128	151	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.336	146	1993	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.488	146	1061	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.785	146	2371	0.02	ng/uL#	76
13) Bis(2-chloroisipropyl)...	8.077	45	697	0.00	ng/uL	94
14) Benzyl Alcohol	7.756	108	28099	0.45	ng/uL	96
15) 2-Methylphenol	8.013	108	141	0.00	ng/uL#	1
16) Acetophenone	8.292	105	2705	0.02	ng/uL	84
17) Hexachloroethane	8.491	119	925	0.02	ng/uL#	3
18) 4-Methylphenol	8.356	108	476	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.310	70	1472	0.02	ng/uL#	1
22) Nitrobenzene	8.595	77	4013	0.04	ng/uL#	1
24) Isophorone	9.184	82	2472	0.01	ng/uL	93
25) 2-Chloroaniline	9.207	127	110	0.00	ng/uL#	29
26) 2-Nitrophenol	9.394	139	747	0.02	ng/uL#	1
27) 2,4-Dimethylphenol	9.487	107	55	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.988	93	407	0.00	ng/uL	90
29) 2,4-Dichlorophenol	9.959	162	198	0.00	ng/uL#	1
30) Benzoic Acid	9.843	105	545	~~2.46~~ pp	ng/uL#	9
31) 1,2,4-Trichlorobenzene	10.058	180	1320	0.02	ng/uL	88
32) Naphthalene	10.216	128	5409	0.02	ng/uL#	1
33) 4-Chloroaniline	10.367	127	412	0.01	ng/uL#	1
34) 2,6-Dichlorophenol	9.959	162	198	0.00	ng/uL#	14
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.358	55	11273	0.28	ng/uL#	39
37) 1,2-Bis(2-chloroethoxy...	11.370	63	119	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.615	107	3119	0.04	ng/uL#	48
39) 2-Methylnaphthalene	11.830	142	3920	0.02	ng/uL#	90
40) 1-Methylnaphthalene	12.046	142	2852	0.02	ng/uL#	85
41) 1,3 Dinitrobenzene	13.620	168	633	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:14:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	12.967	162	63	0.00	ng/uL#	1
49) 1,1'-Biphenyl	12.955	154	4909	0.03	ng/uL	94
50) 2-Nitroaniline	13.602	138	201	0.00	ng/uL#	56
51) Acenaphthylene	13.917	152	394	0.00	ng/uL#	83
52) 2,6-Dinitrotoluene	13.870	165	1422	0.04	ng/uL#	37
53) Dimethyl Phthalate	13.754	163	12792	0.08	ng/uL	97
54) 3-Nitroaniline	14.273	138	194	0.01	ng/uL#	1
55) Acenaphthene	14.337	153	3160	0.02	ng/uL#	89
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.756	168	2097	0.01	ng/uL#	1
58) 4-Nitrophenol	14.756	65	2017	0.07	ng/uL	92
59) 2,4-Dinitrotoluene	14.844	165	406	0.01	ng/uL#	25
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.572	166	3342	0.02	ng/uL#	11
63) Diethyl Phthalate	15.467	149	13912m	0.09	ng/uL	
64) 4-Chlorophenyl Phenyl ...	15.823	204	1543	0.02	ng/uL#	57
65) 4-Nitroaniline	15.724	138	233	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
68) N-Nitroso-diphenylamine	15.928	169	2177	0.02	ng/uL#	33
69) 1,2-Diphenylhydrazine	16.120	182	429	0.01	ng/uL	86
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	16.971	200	7300	0.22	ng/uL#	66
74) Pentachlorophenol	17.140	266	221	0.01	ng/uL#	1
75) Phenanthrene	17.764	178	43561	0.22	ng/uL	100
76) Anthracene	17.857	178	12192	0.06	ng/uL#	55
77) Carbazole	18.201	167	3172	0.02	ng/uL#	70
79) Di-n-butyl Phthalate	18.889	149	152798	0.79	ng/uL	98
80) Fluoroanthene	19.670	202	44807	0.24	ng/uL	99
82) Pyrene	19.961	202	64234	0.59	ng/uL	96
83) Butyl Benzyl Phthalate	20.853	149	18023526	421.15	ng/uL	88
84) Bis(2-ethylhexyl) adipate	20.911	129	6920	0.23	ng/uL#	100
85) Benzo(a)anthracene	21.389	228	15280	0.18	ng/uL#	83
86) Chrysene	21.424	228	17910	0.22	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.442	149	1774251	32.38	ng/uL	92
88) Di-n-octyl Phthalate	22.310	149	110369	RT 1.44	ng/uL	99
90) Benzo(b)fluoroanthene	22.549	252	4687m	0.21	ng/uL	
91) Benzo(k)fluoranthene	22.567	252	2438m	0.10	ng/uL	
92) Benzo(a)pyrene	22.946	252	2720	0.13	ng/uL#	84
93) Indeno(1,2,3-cd)pyrene	24.583	276	1378m	0.08	ng/uL	
94) Dibdenz(a,h)anthracene	24.601	278	825	0.06	ng/uL#	82
95) Benzo(g,h,i)Perylene	25.026	276	2137	0.14	ng/uL#	61

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 08:51:51 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

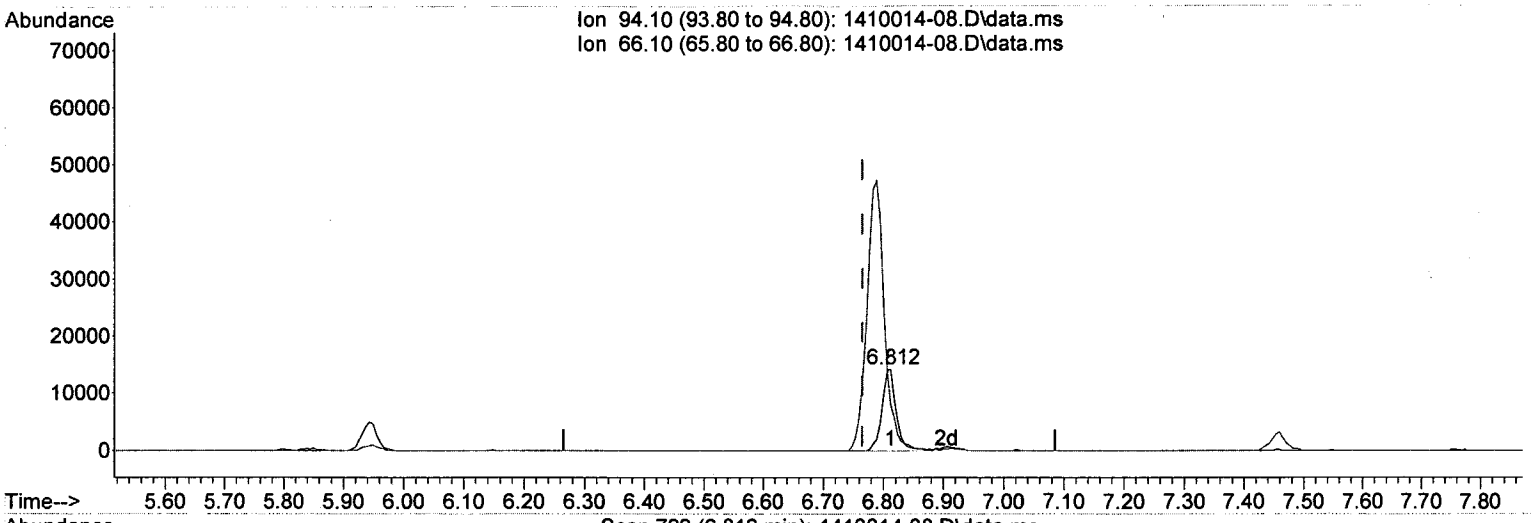
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.459	152	356012	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.169	136	1376576	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.267	164	725987	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.717	188	1011145	5.00	ng/uL		0.00
19) Chrysene-d12	21.401	240	456952	5.00	ng/uL	#	0.01
22) Perylene-d12	23.015	264	122385	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.994	74	112	0.00	ng/uL	#	1
3) Pyridine	2.942	79	460	0.00	ng/uL	#	75
4) Aniline	6.800	93	658	0.00	ng/uL	#	1
5) Benzaldehyde	6.573	105	2536	0.03	ng/uL	#	81
6) Acetophenone	8.292	105	2705	0.02	ng/uL		84
7) N-Nitroso-di-n-propyla...	8.310	70	1472	0.02	ng/uL	#	1
9) 4-Chloroaniline	10.367	127	412	0.01	ng/uL	#	1
10) Caprolactam	11.160	55	1510	0.13	ng/uL	#	32
12) 1,1'-Biphenyl	12.955	154	4909	0.02	ng/uL		94
13) 2-Nitroaniline	13.602	138	201	0.01	ng/uL	#	56
14) 3-Nitroaniline	14.273	138	194	Below Cal		#	1
15) 4-Nitroaniline	15.660	138	148	Below Cal		#	1
17) N-Nitroso-diphenylamine	15.928	169	2177	0.02	ng/uL	#	33
18) Atrazine	17.432	200	815	Below Cal		#	1
20) Benzidine	20.066	184	9593	0.56	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.389	252	690	0.03	ng/uL	#	26

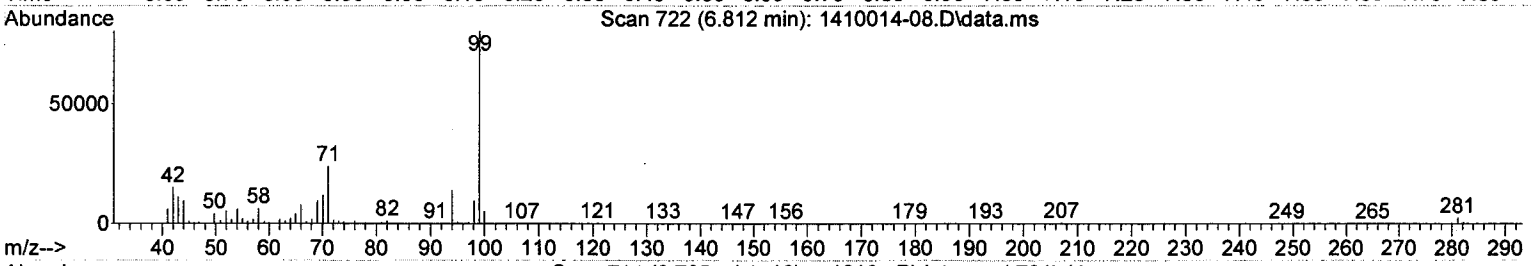
(#) = qualifier out of range (m) = manual integration (+) = signals summed

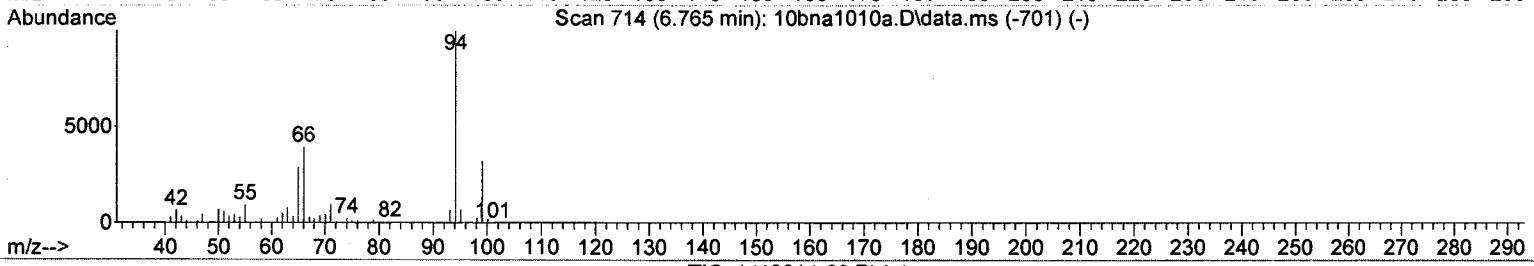
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-08.D\data.ms

(7) Phenol (C)

6.812min (+ 0.047) 0.19 ng/uL

response 22968

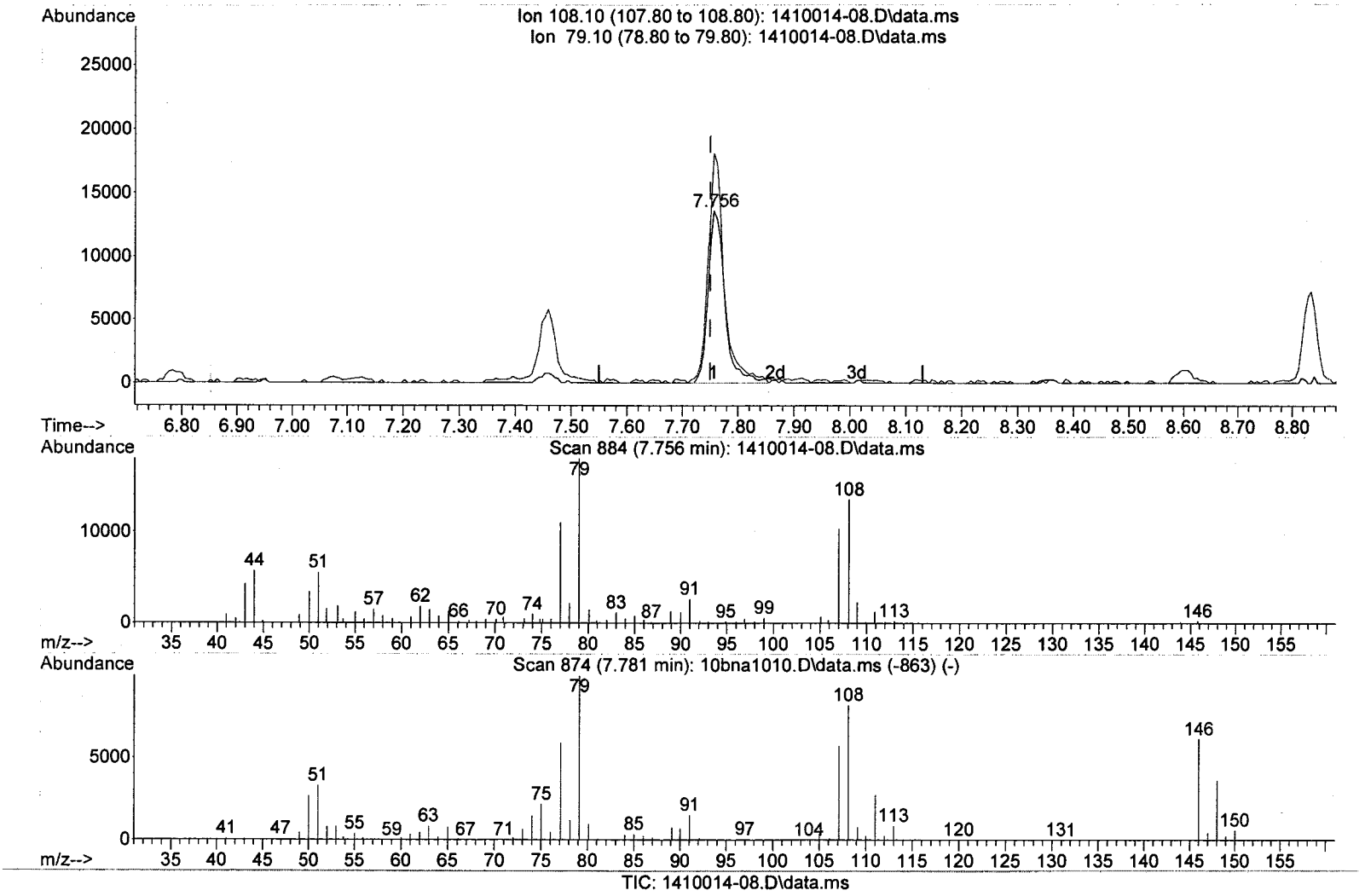
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	412.12#
0.00	0.00	0.00
0.00	0.00	0.00

003397

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:14:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(14) Benzyl Alcohol

7.756min (+ 0.006) 0.45 ng/uL

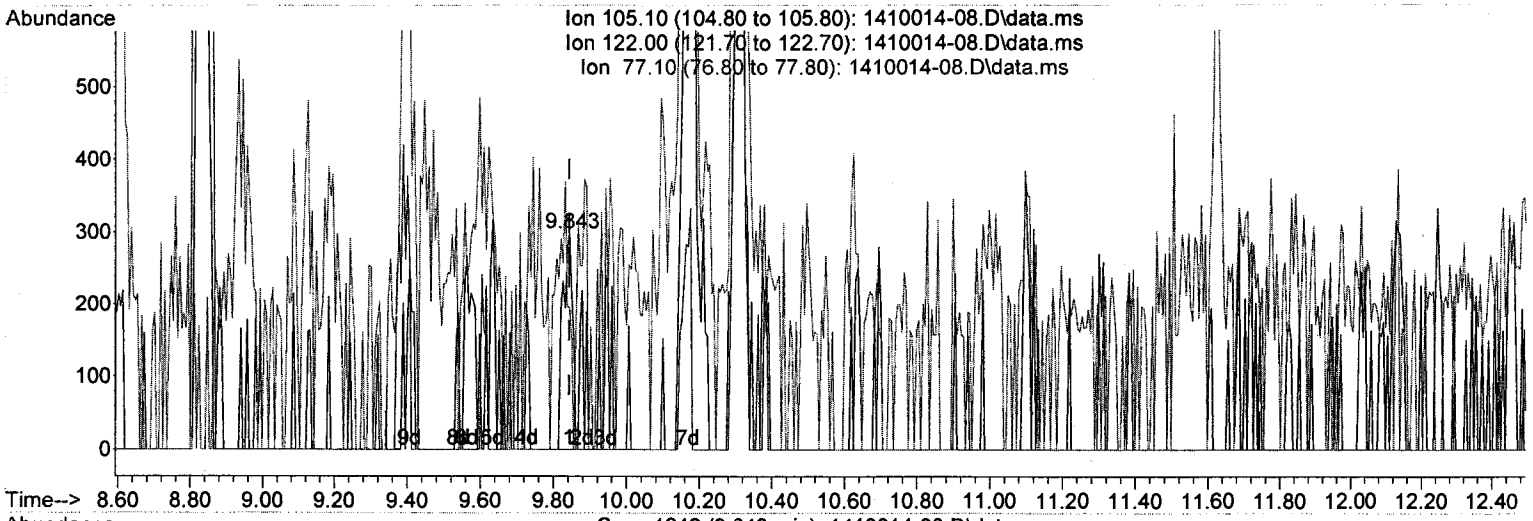
response 28099

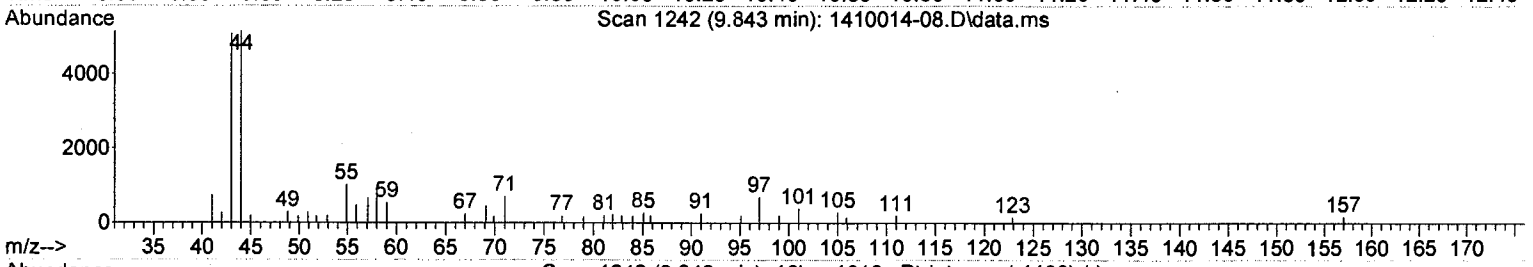
Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	133.38
0.00	0.00	0.00
0.00	0.00	0.00

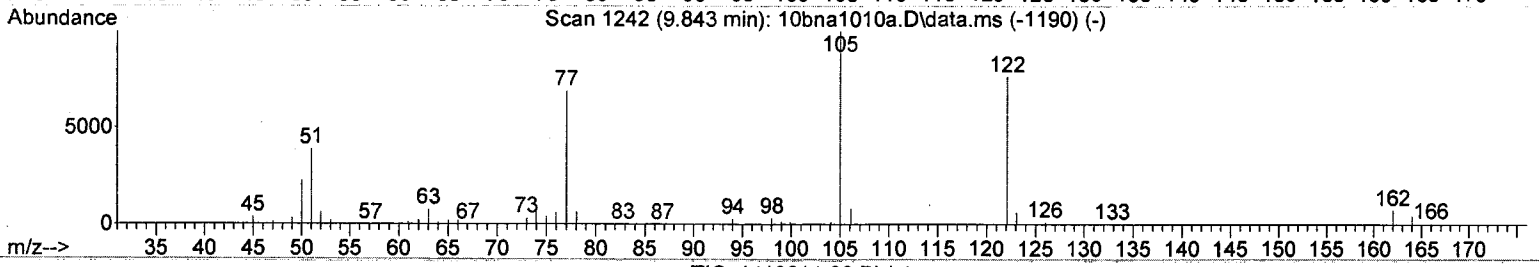
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-08.D\data.ms

(30) Benzoic Acid

9.843min (+ 0.000) 2.46 ng/uL

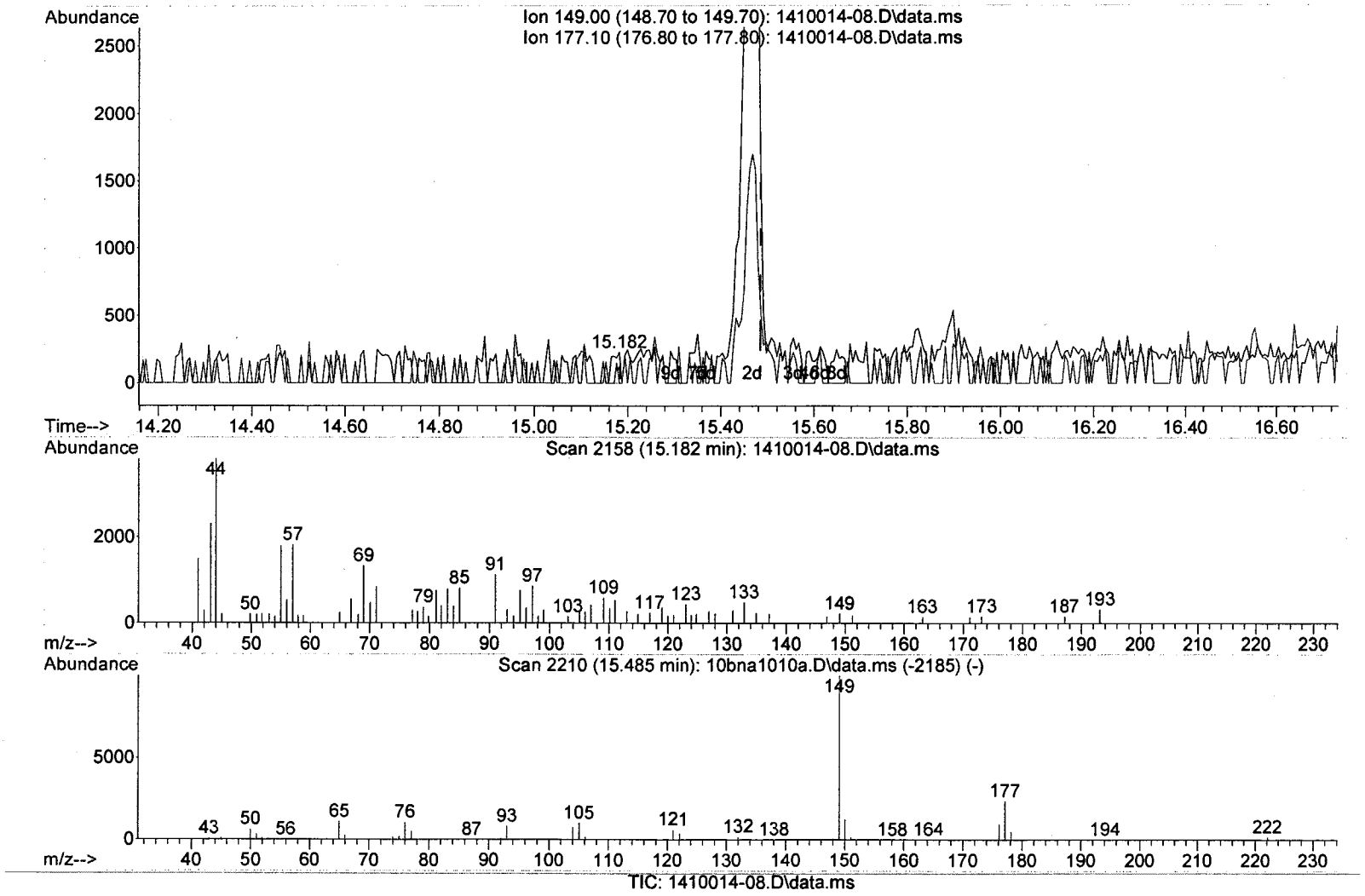
response 545

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	152.84#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(63) Diethyl Phthalate

15.182min (-0.303) 0.00 ng/uL

response 285

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	18.25
0.00	0.00	0.00
0.00	0.00	0.00

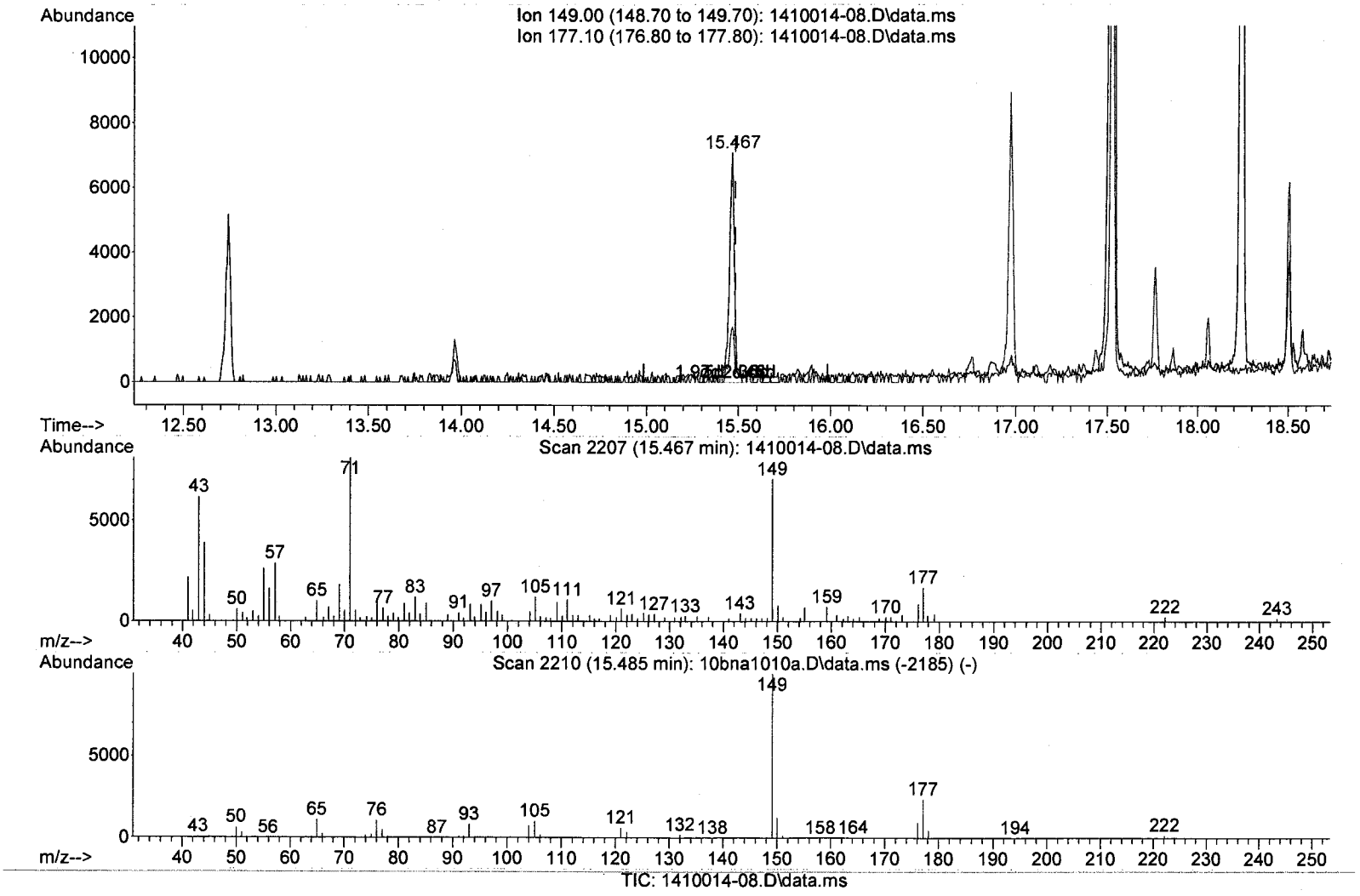
JWS 10/15/14

003400

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(63) Diethyl Phthalate

15.467min (-0.017) 0.09 ng/uL m

response 13912

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	0.37#
0.00	0.00	0.00
0.00	0.00	0.00

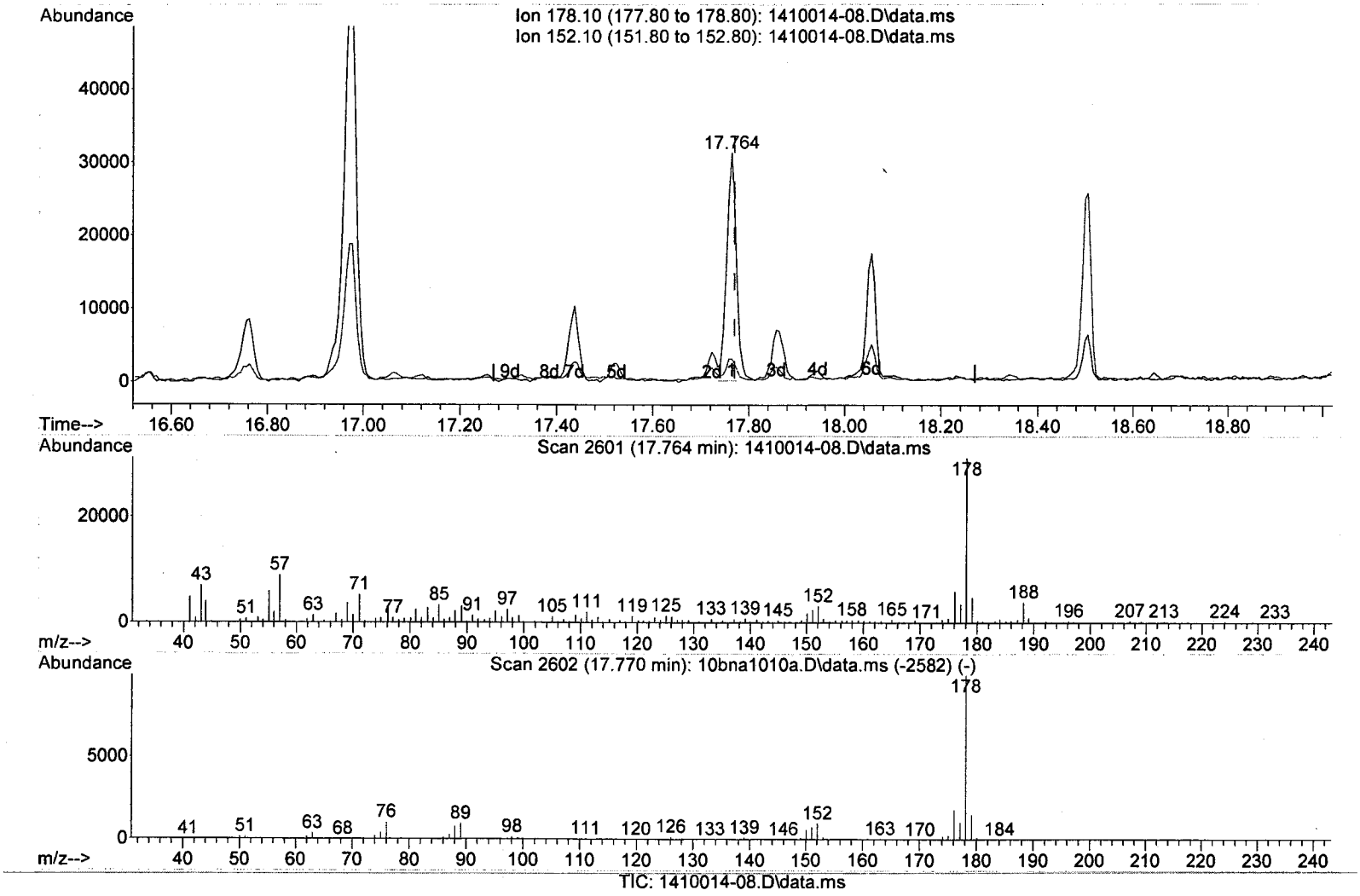
Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No 10/15/14
Analyst: JWB Date: 10/21/14
Reviewed By: ASC

< MDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(75) Phenanthrene

17.764min (-0.006) 0.22 ng/uL

response 43561

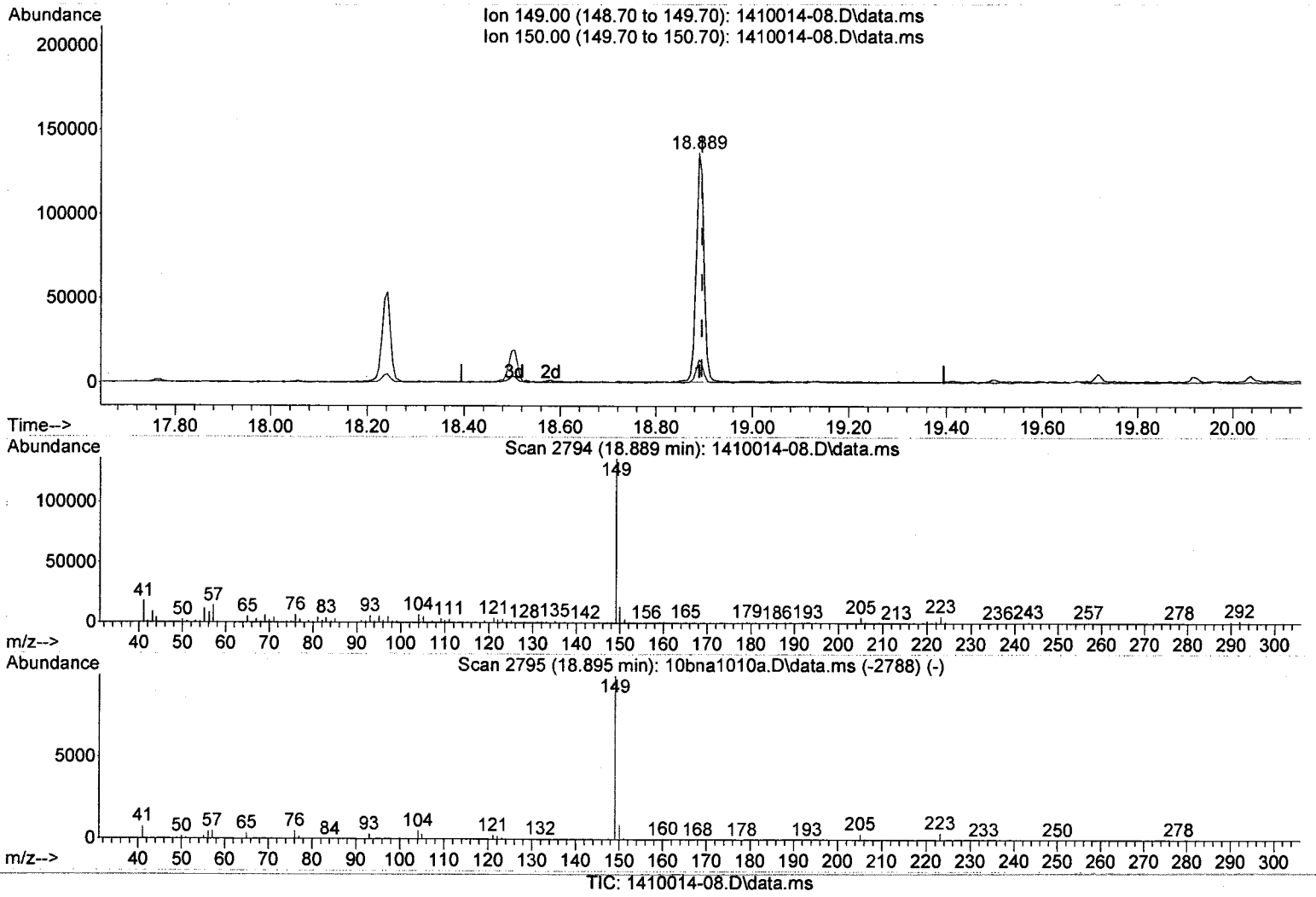
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	10.10
0.00	0.00	0.00
0.00	0.00	0.00

003402

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(79) Di-n-butyl Phthalate

18.889min (-0.006) 0.79 ng/uL

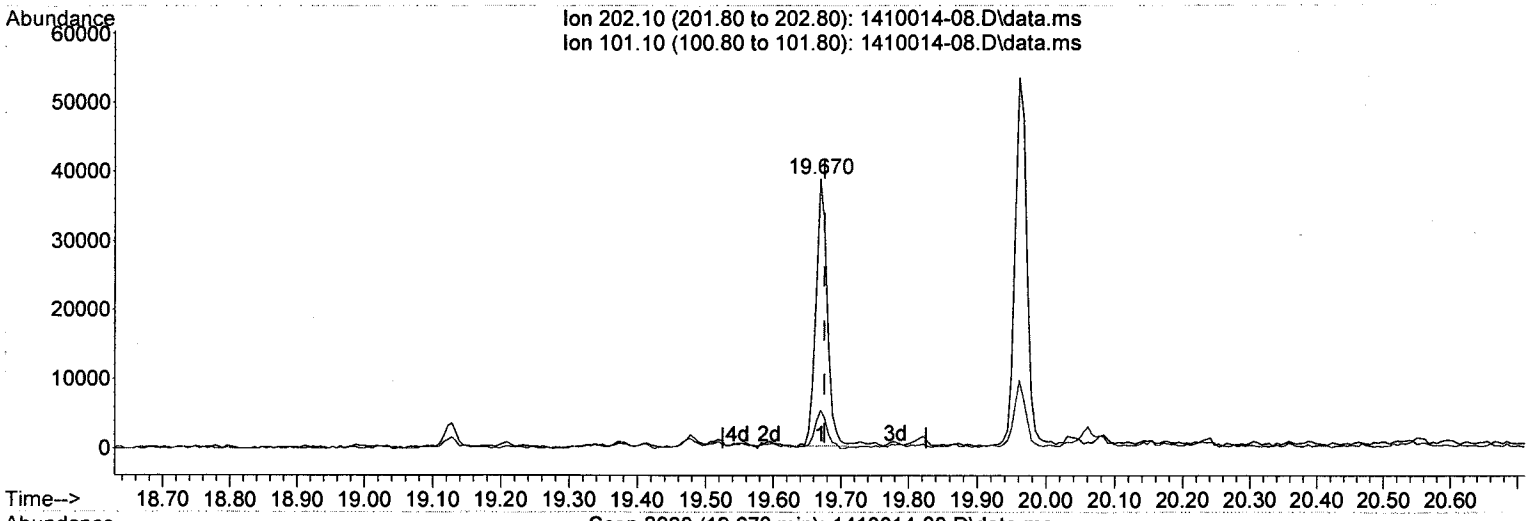
response 152798

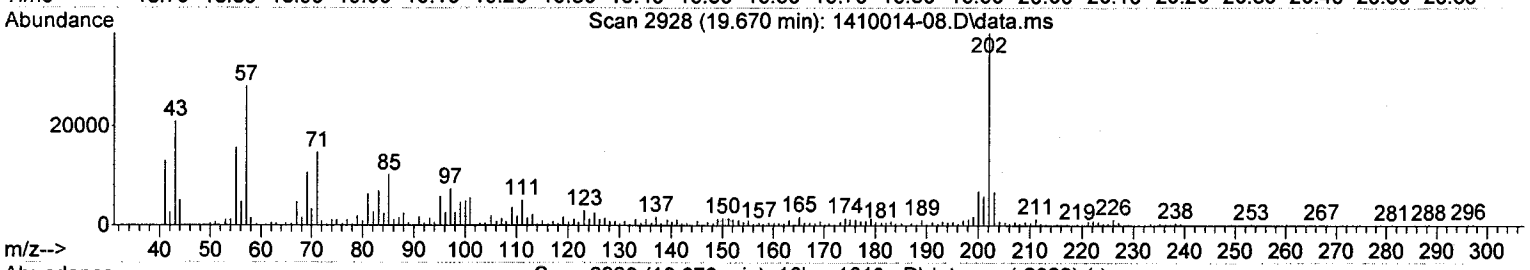
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.80
0.00	0.00	0.00
0.00	0.00	0.00

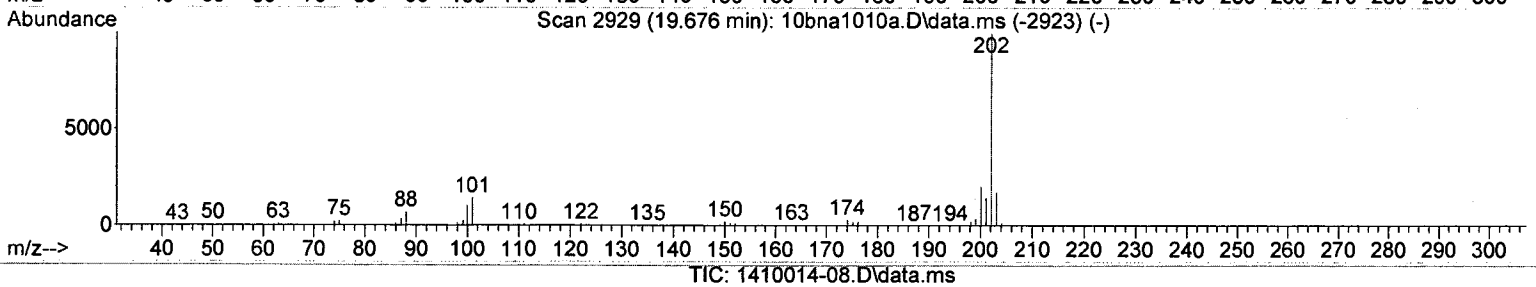
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-08.D\data.ms

(80) Fluoroanthene (C)

19.670min (-0.006) 0.24 ng/uL

response 44807

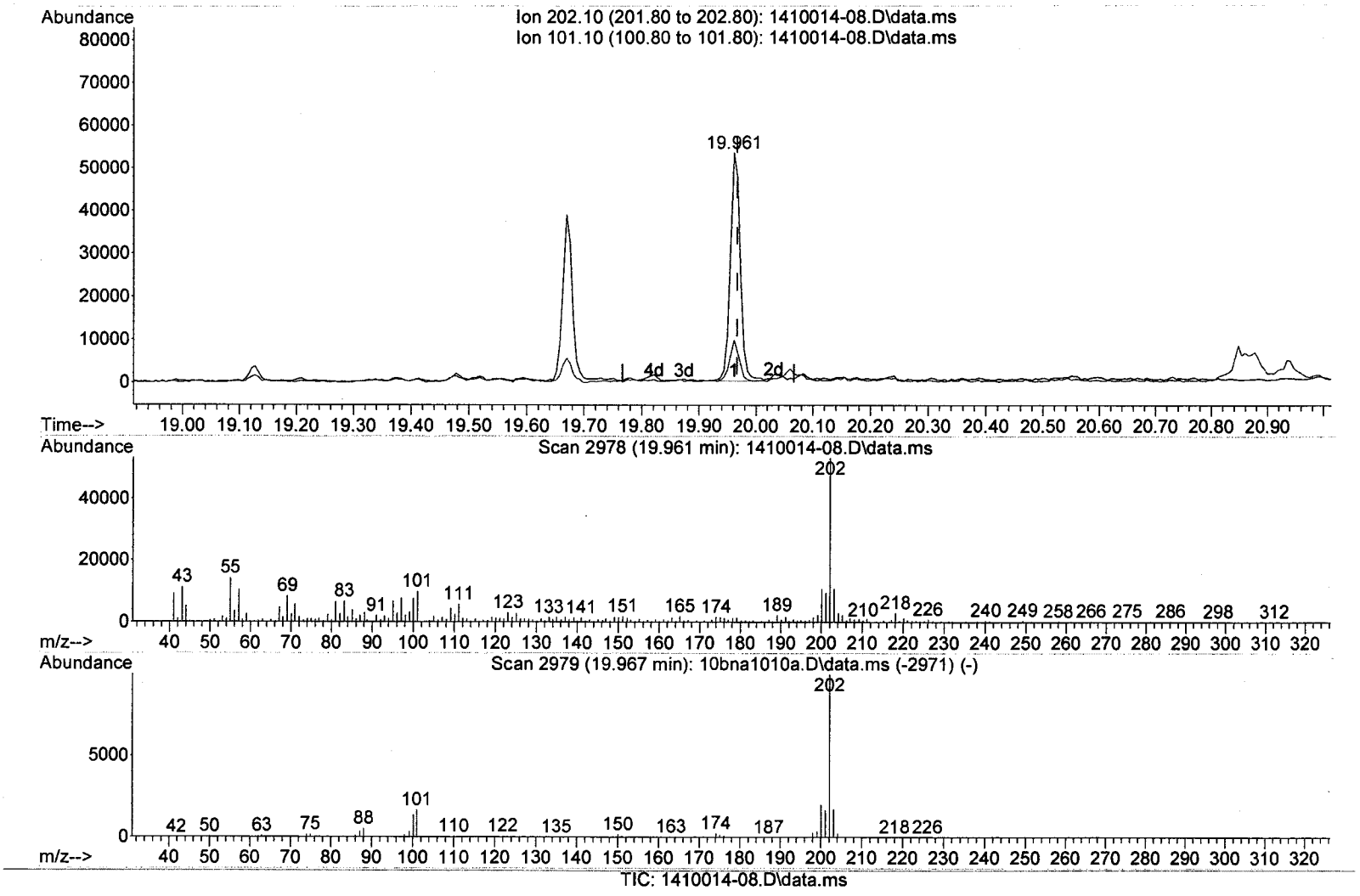
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	15.94
0.00	0.00	0.00
0.00	0.00	0.00

003404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(82) Pyrene

19.961min (-0.006) 0.59 ng/uL

response 64234

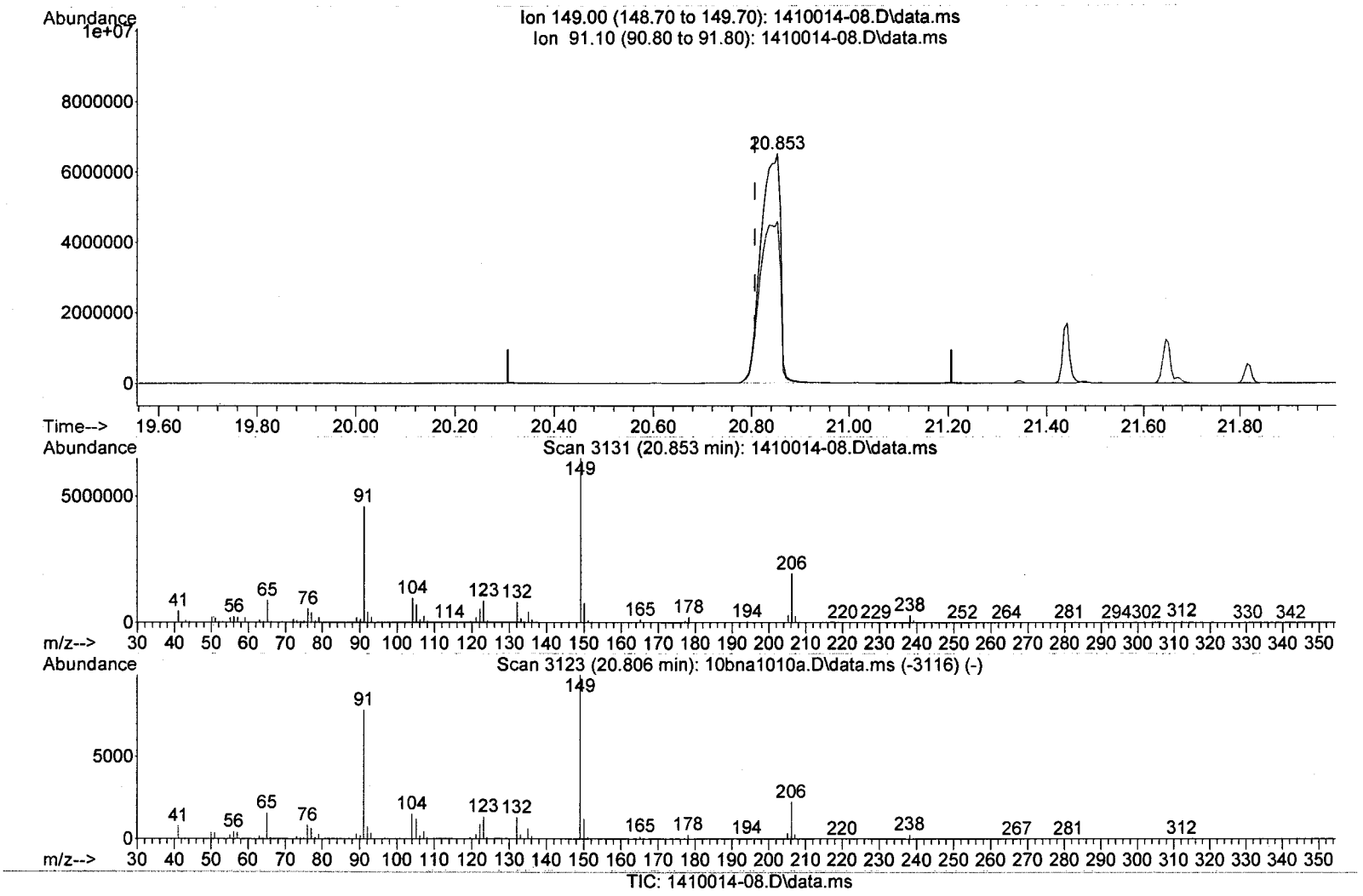
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	17.54
0.00	0.00	0.00
0.00	0.00	0.00

003405

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.853min (+ 0.047) 421.15 ng/uL

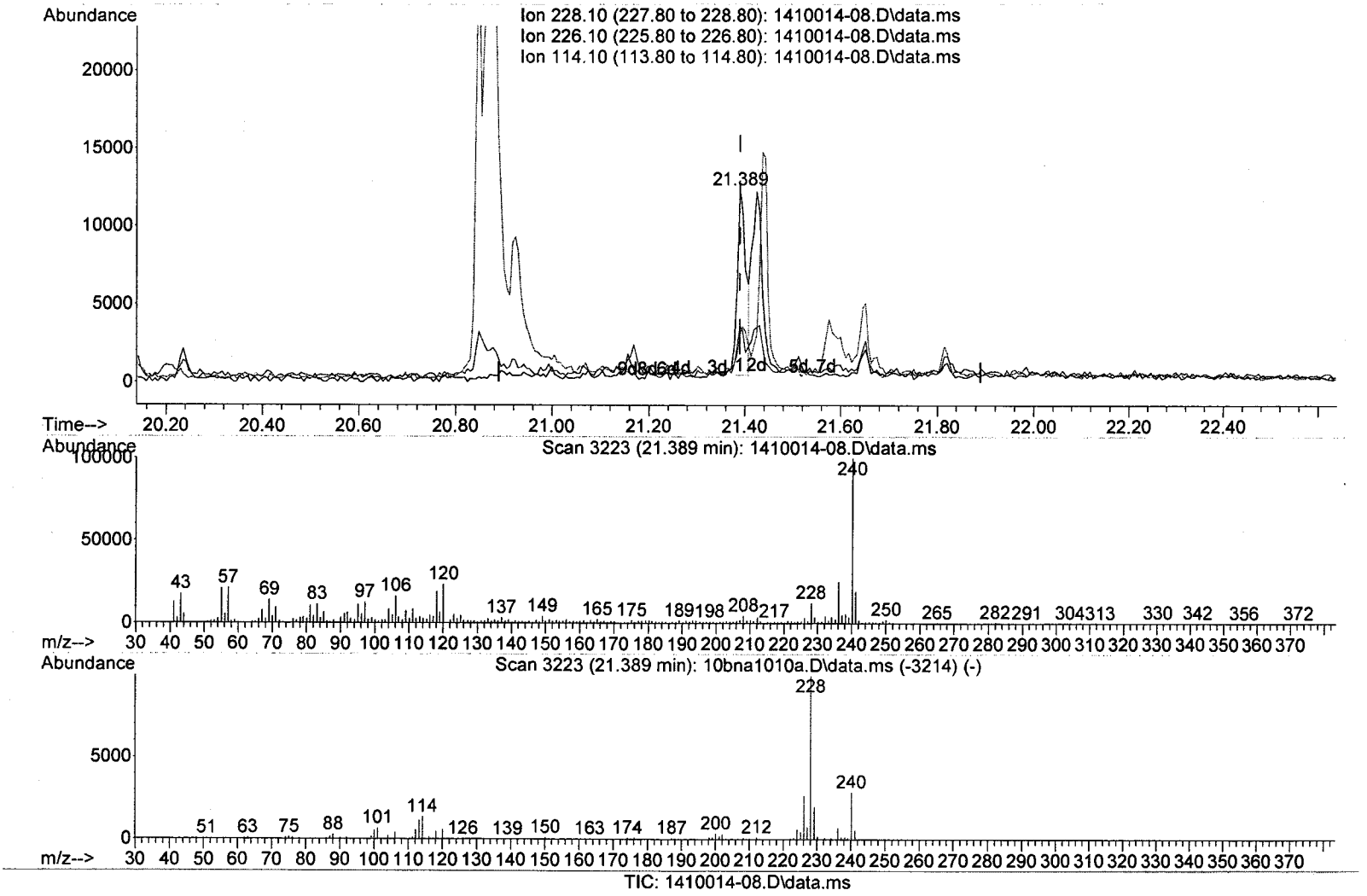
response 18023526

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	73.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(85) Benzo(a)anthracene

21.389min (+ 0.000) 0.18 ng/uL

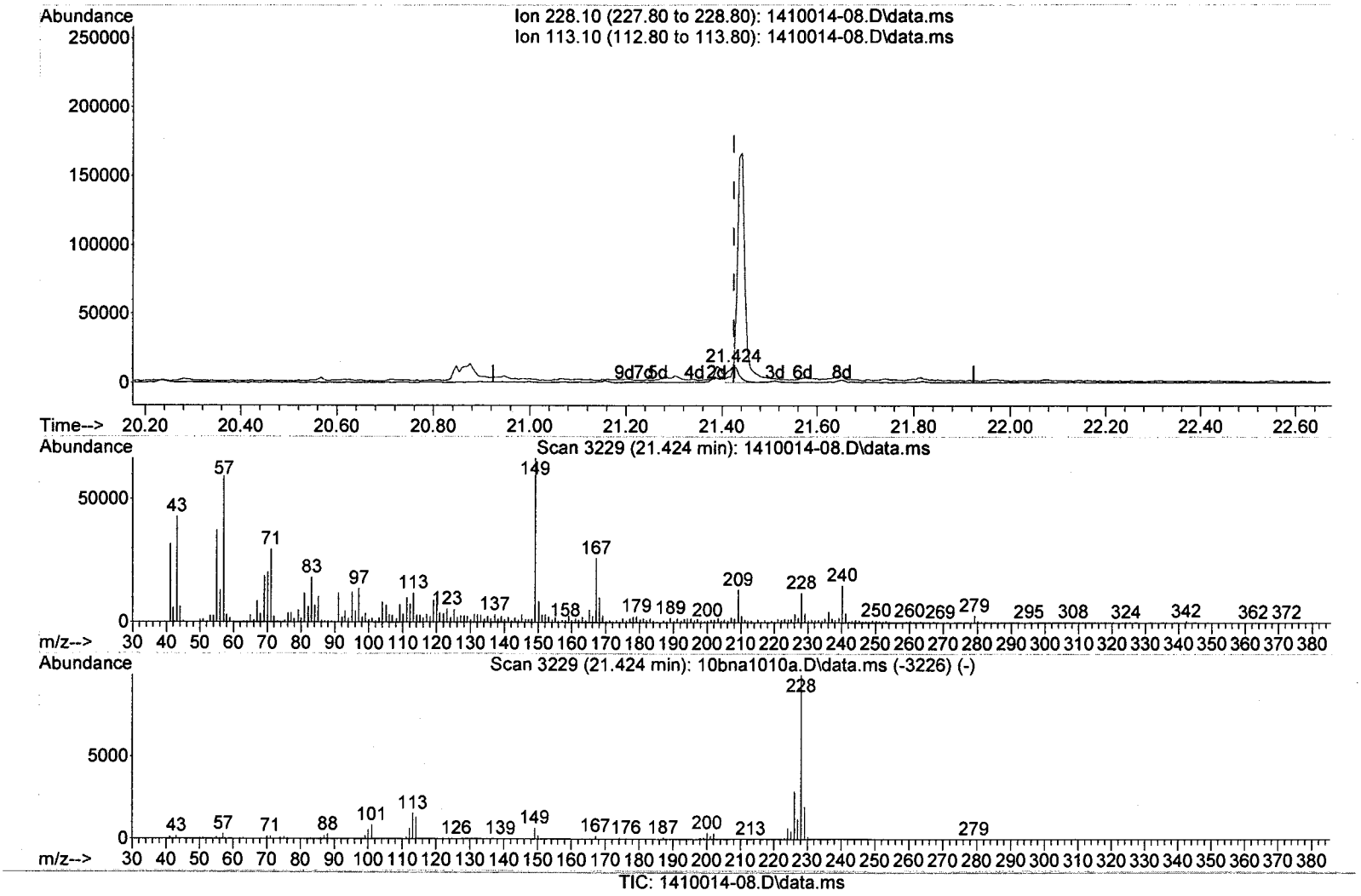
response 15280

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	25.28
114.10	13.30	32.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(86) Chrysene

21.424min (+ 0.000) 0.22 ng/uL

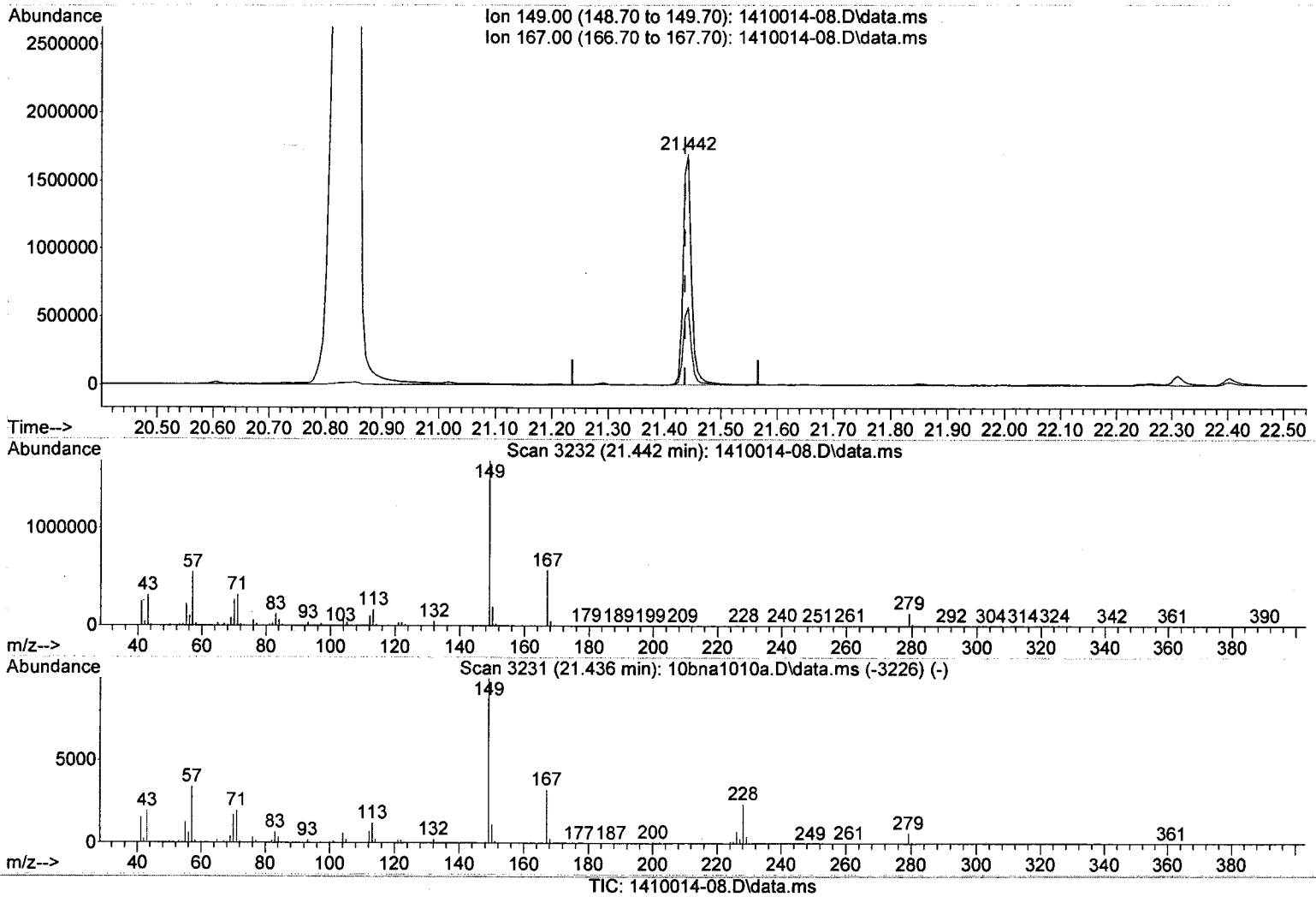
response 17910

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	1032.90#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.442min (+ 0.006) 32.38 ng/uL

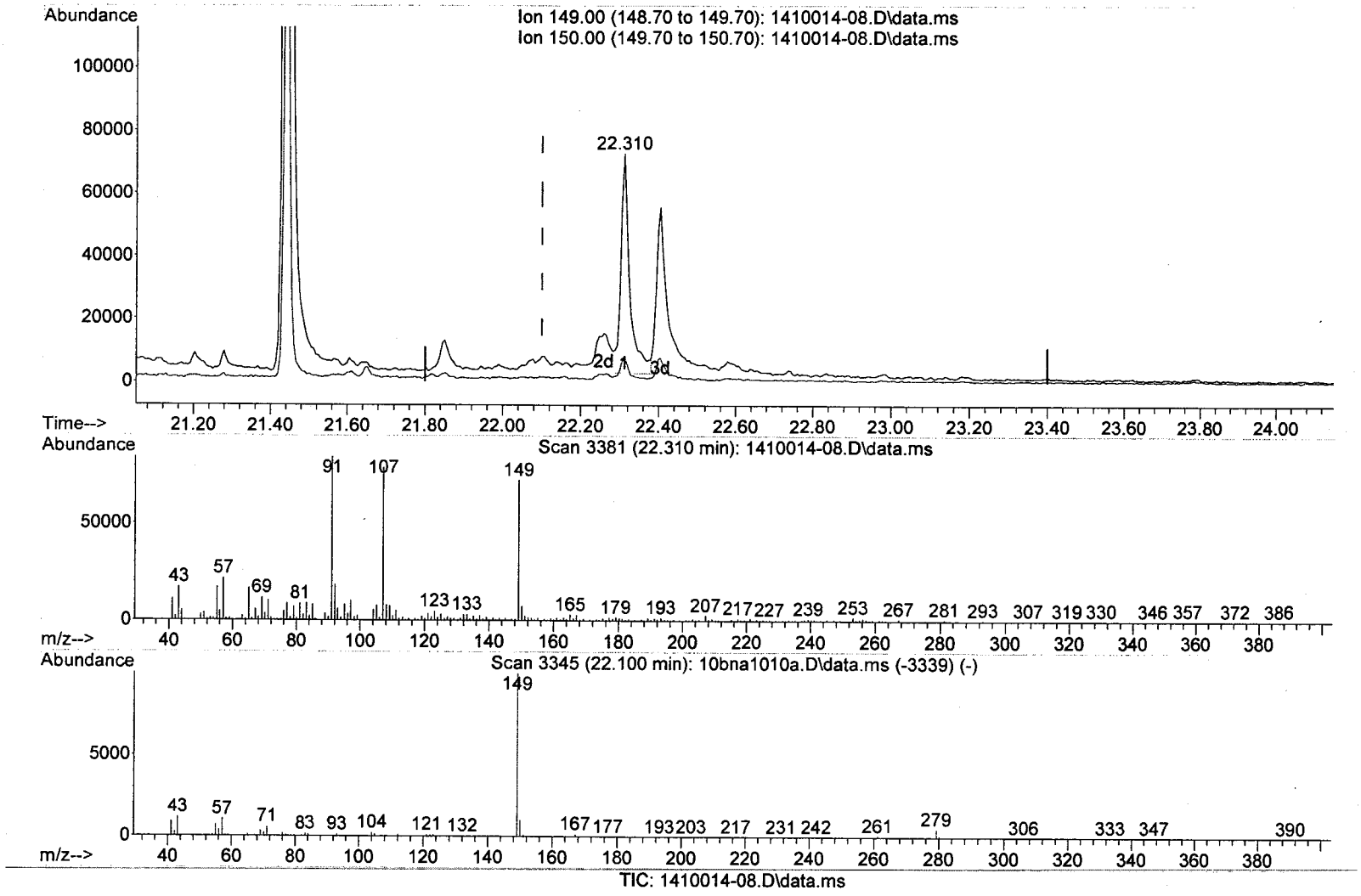
response 1774251

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.310min (+ 0.210) 1.44 ng/uL

response 110369

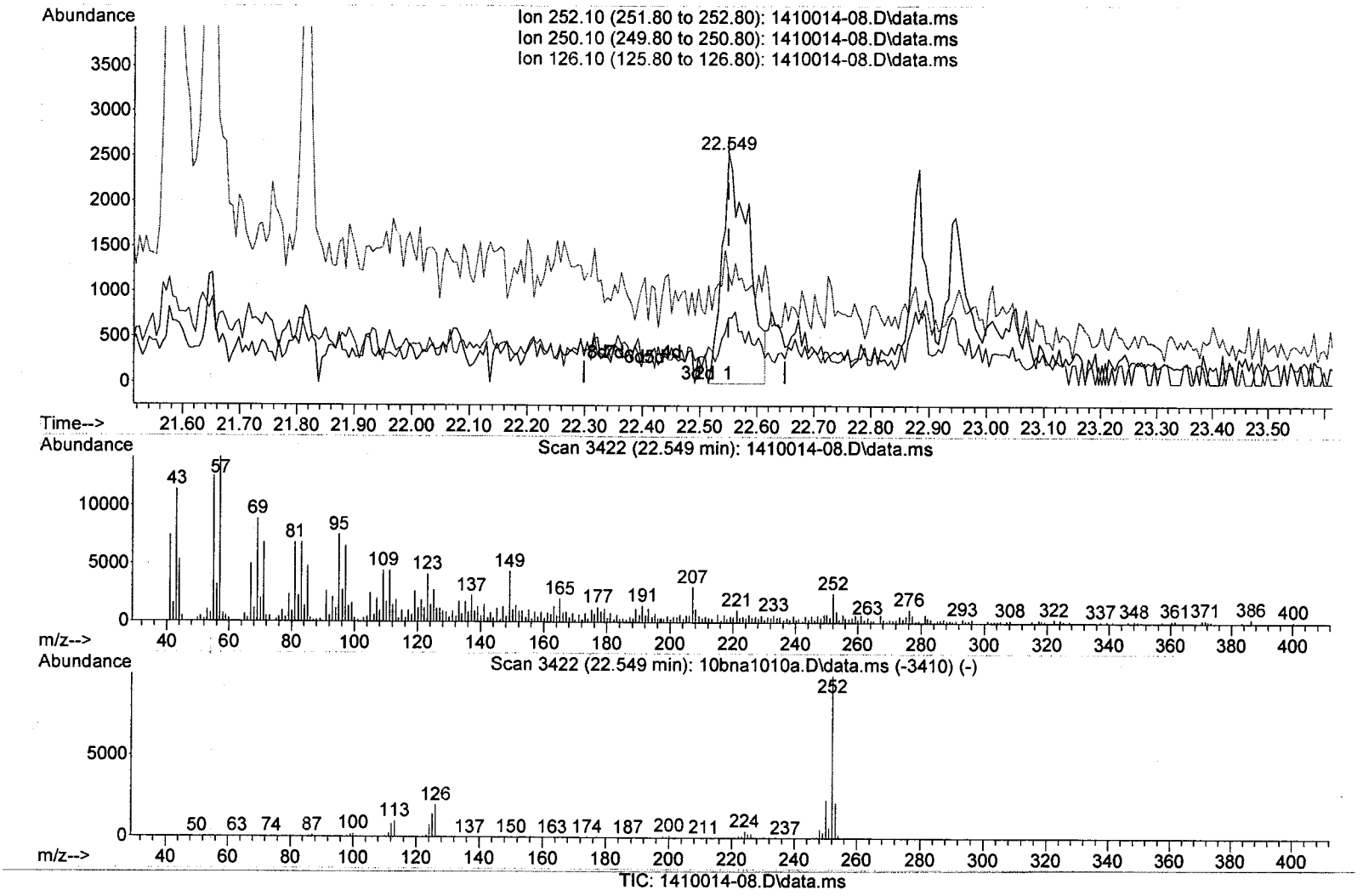
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	10.04
0.00	0.00	0.00
0.00	0.00	0.00

RT

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(90) Benzo(b)fluoroanthene

22.549min (+ 0.000) 0.36 ng/uL

response 8053

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	0.00#
126.10	17.20	13.71#
0.00	0.00	0.00

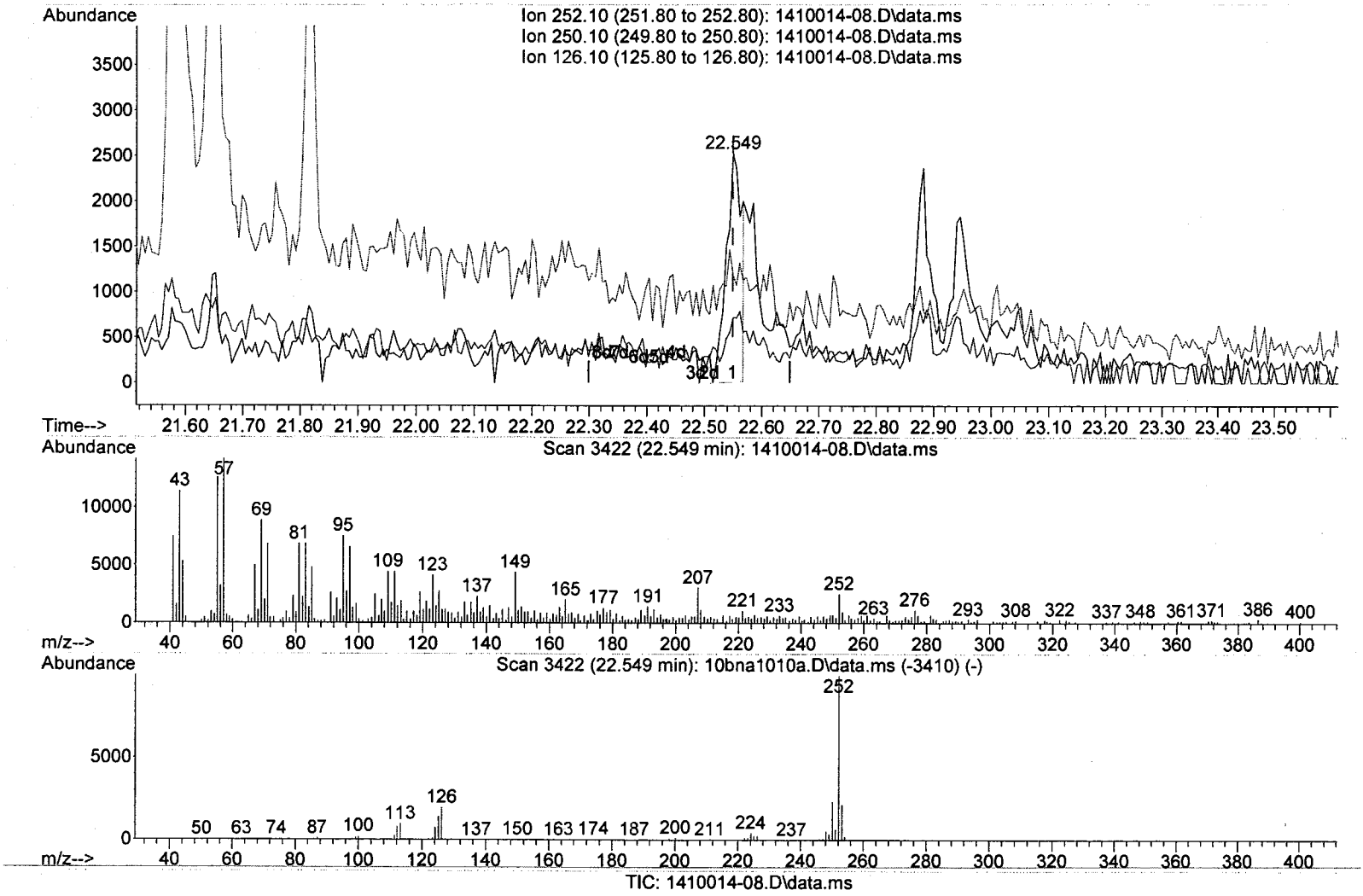
JLB 10/15/14

003411

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(90) Benzo(b)fluoroanthene

22.549min (+ 0.000) 0.21 ng/uL m

response 4687

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	0.00#
126.10	17.20	23.55#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

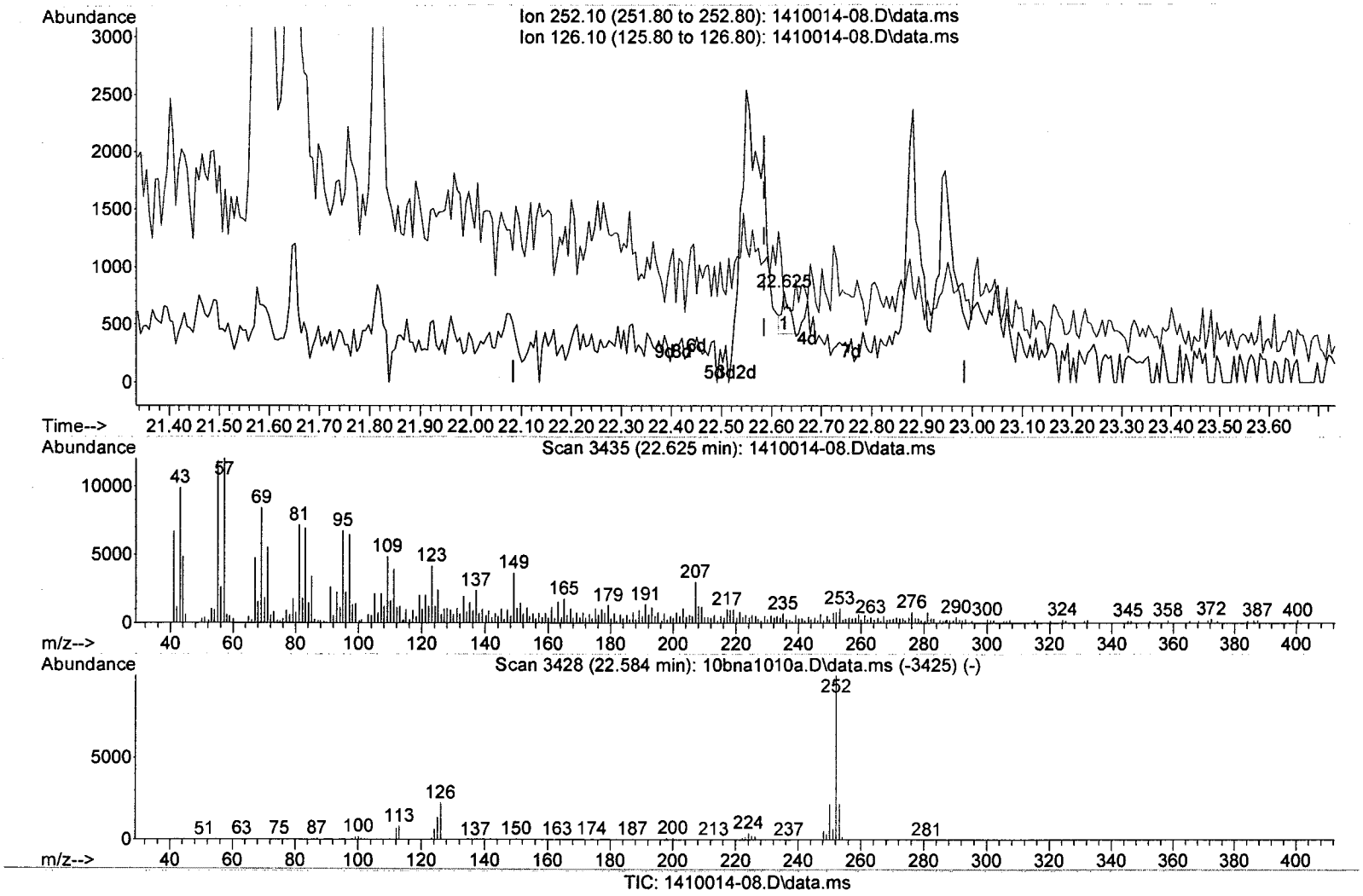
Analyst: JLB Date: 10/15/14

Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(91) Benzo(k)fluoranthene

22.625min (+ 0.041) 0.02 ng/uL

response 381

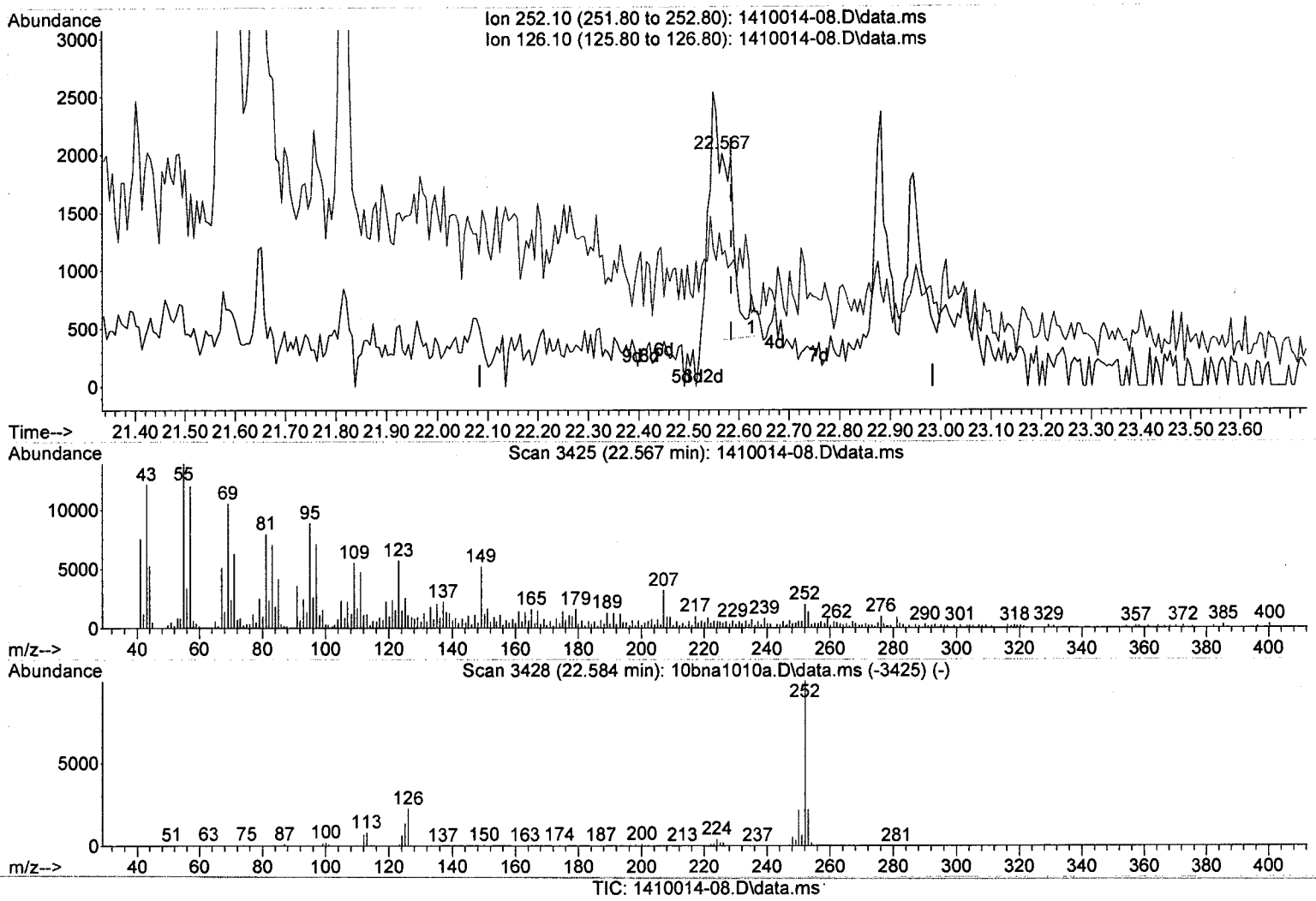
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	201.05#
0.00	0.00	0.00
0.00	0.00	0.00

JWS 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(91) Benzo(k)fluoranthene

22.567min (-0.017) 0.10 ng/uL m

response 2438

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	31.42#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

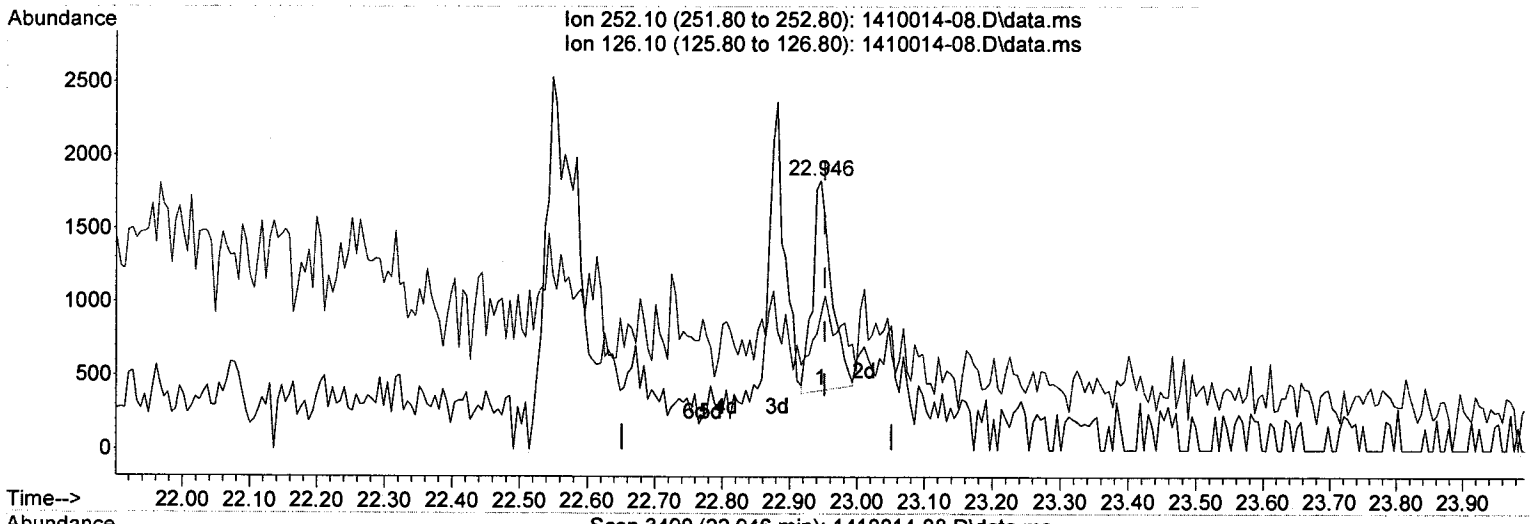
Analyst: JLB Date: 10/15/14

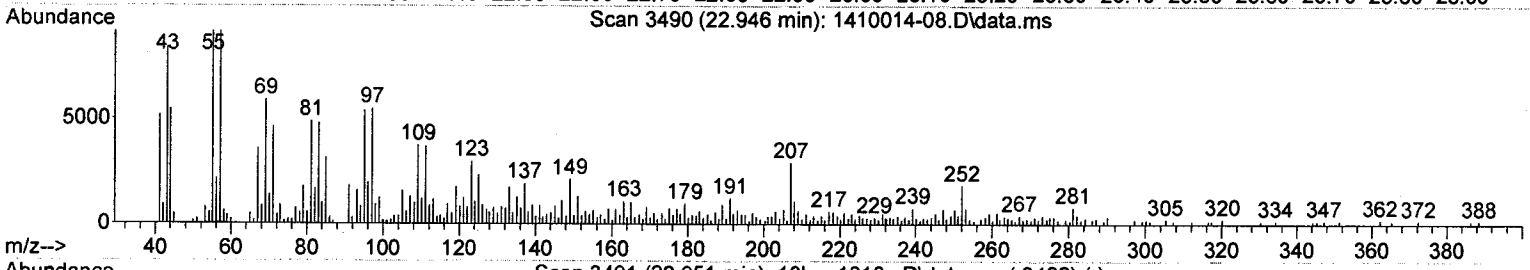
Reviewed By: ASC Date: 10/21/14

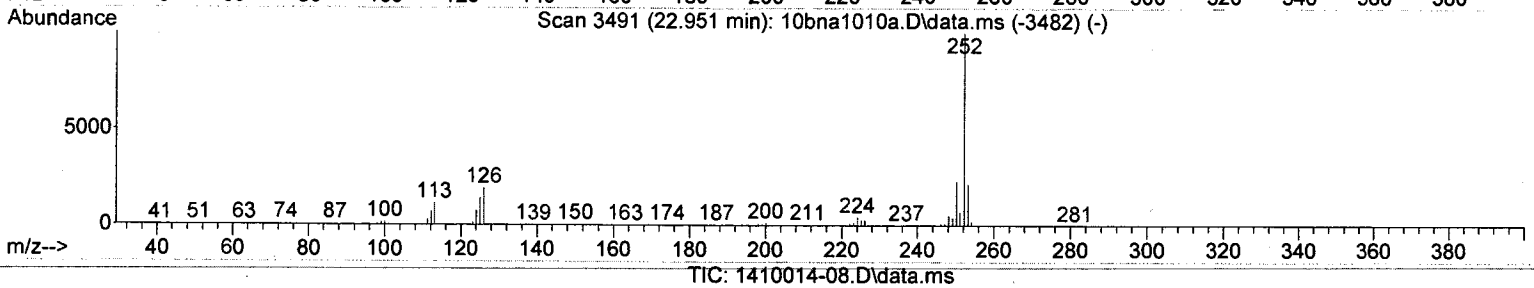
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-08.D\data.ms

(92) Benzo(a)pyrene (C)

22.946min (-0.006) 0.13 ng/uL

response 2720

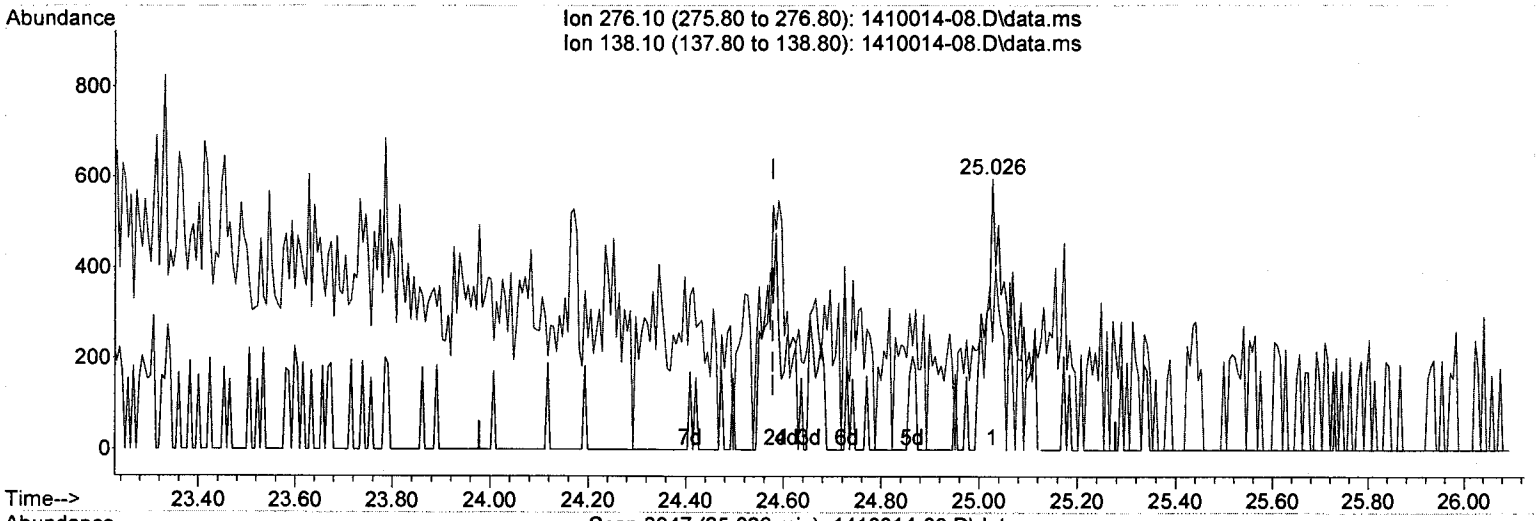
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	26.54#
0.00	0.00	0.00
0.00	0.00	0.00

003415

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



TIC: 1410014-08.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

25.026min (+ 0.449) 0.12 ng/uL

response 2137

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	6.93#
0.00	0.00	0.00
0.00	0.00	0.00

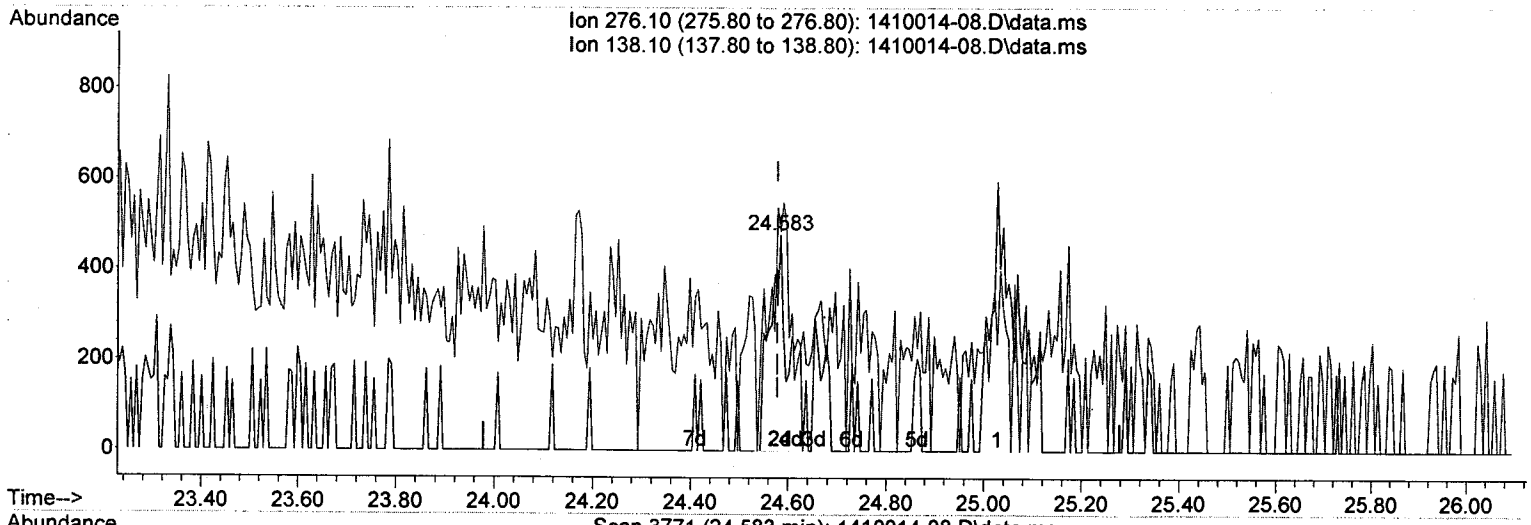
JLB 10/15/14

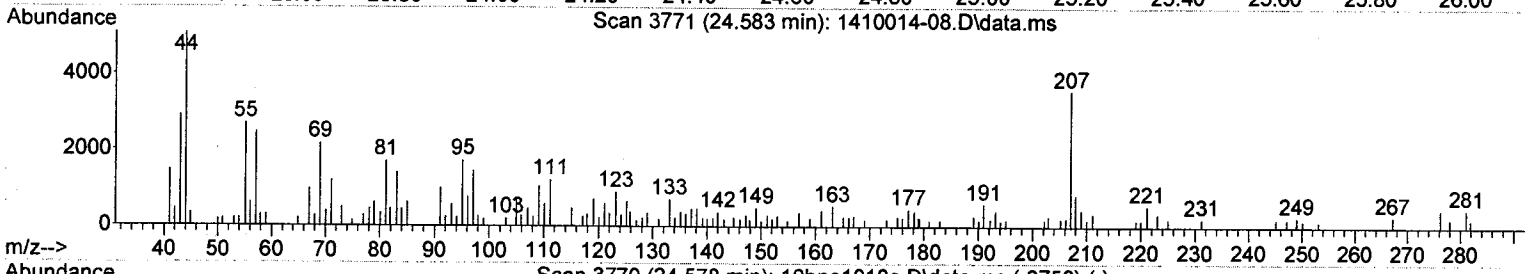
003416

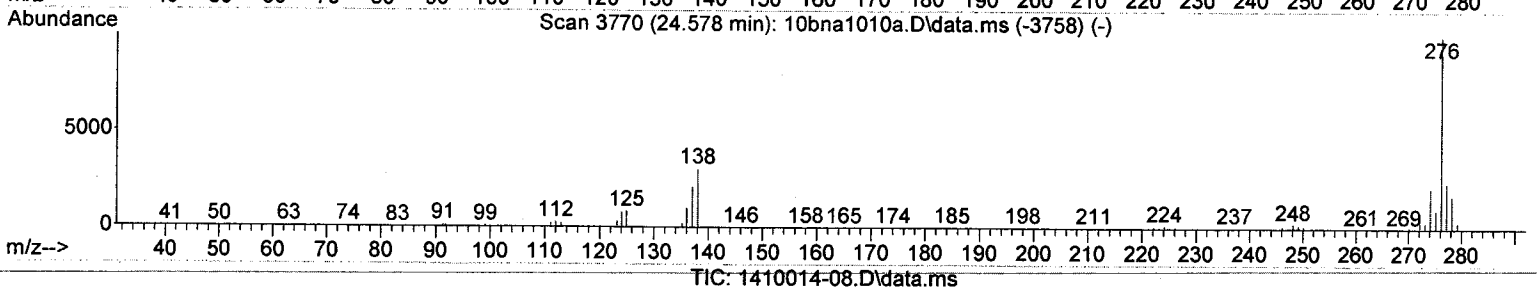
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







(93) Indeno(1,2,3-cd)pyrene

24.583min (+ 0.006) 0.08 ng/uL m

response 1378

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	10.74#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

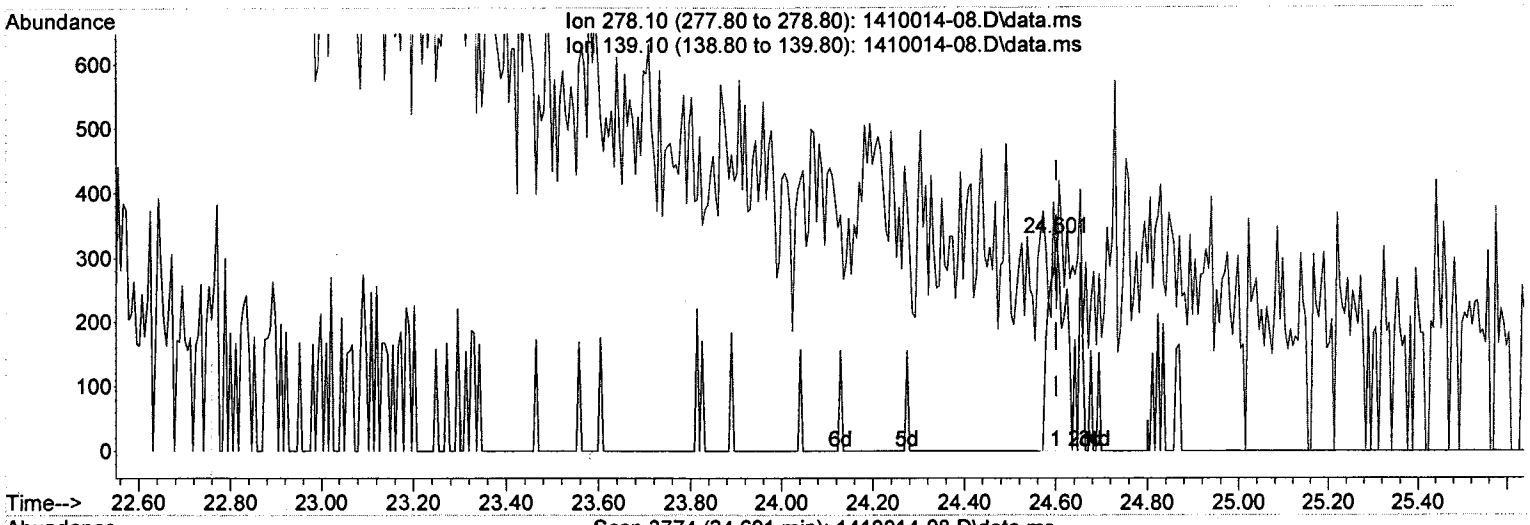
Analyst: JLB Date: 10/15/14

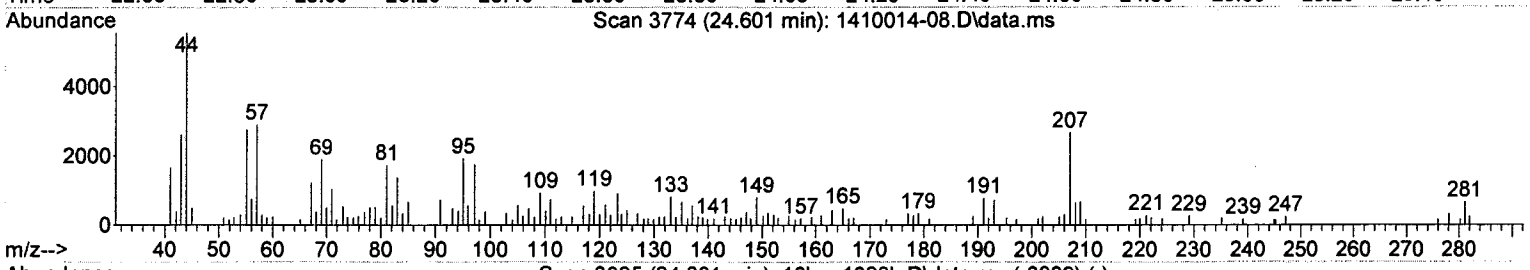
Reviewed By: ASC Date: 10/21/14

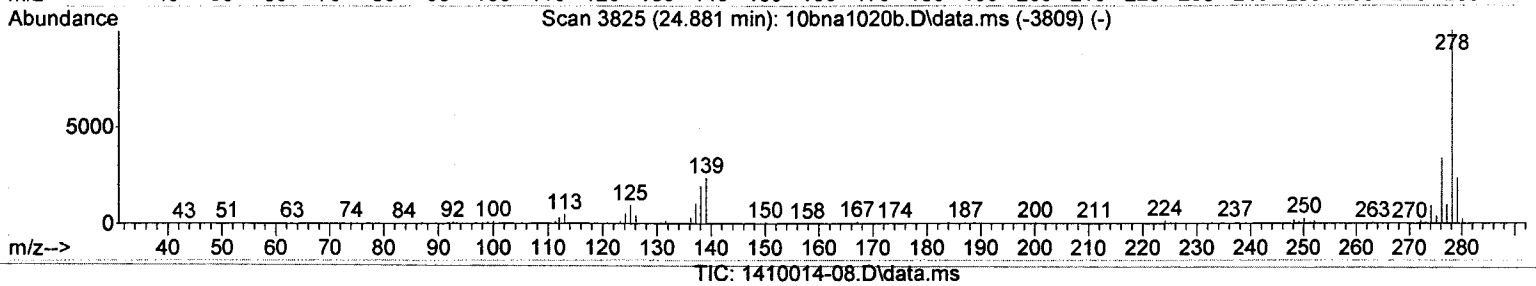
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:14:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-08.D\data.ms

(94) Dibdenz(a,h)anthracene

24.601min (+ 0.000) 0.06 ng/uL

response 825

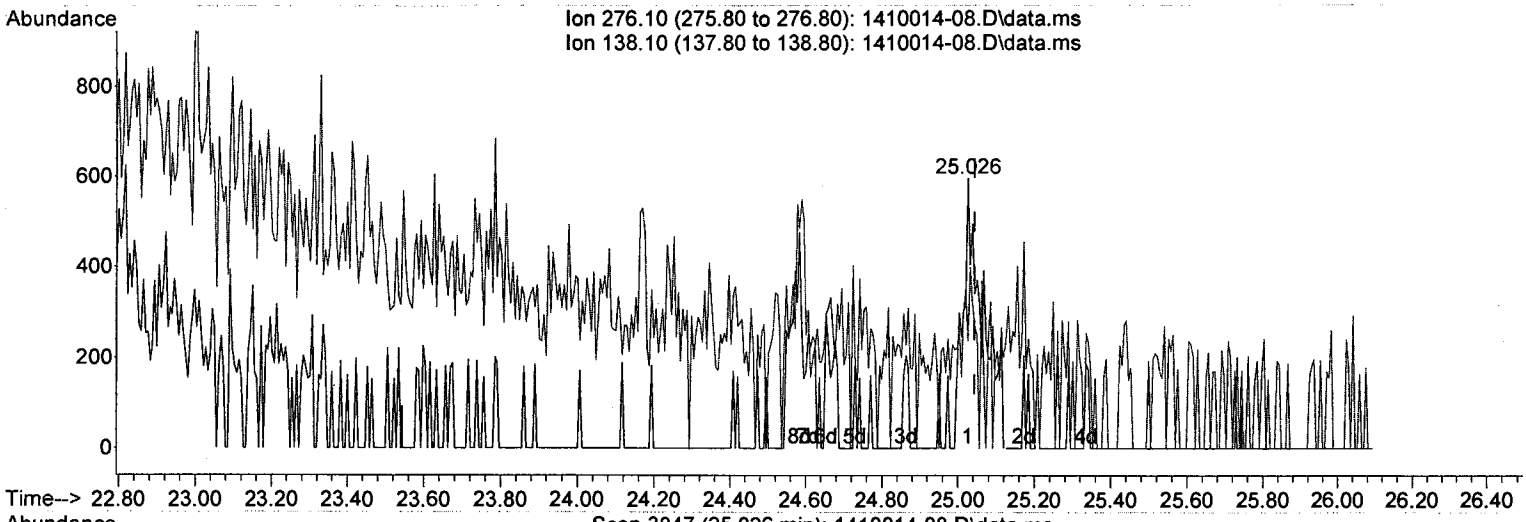
Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	25.21#
0.00	0.00	0.00
0.00	0.00	0.00

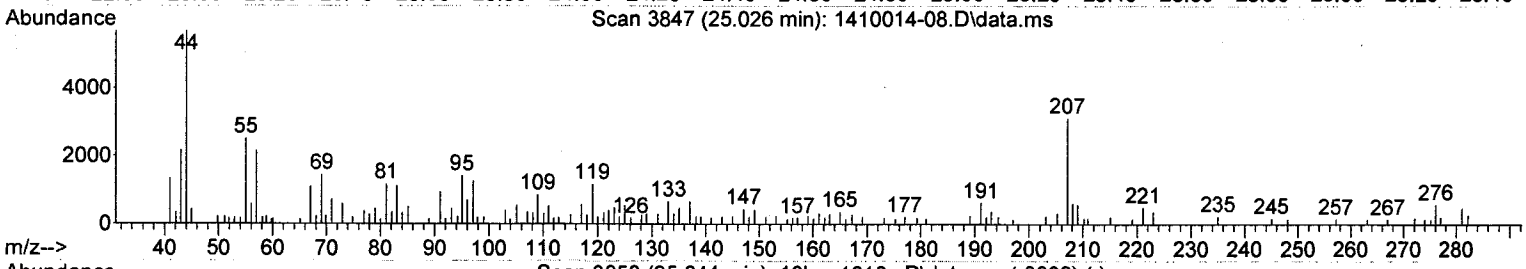
003418

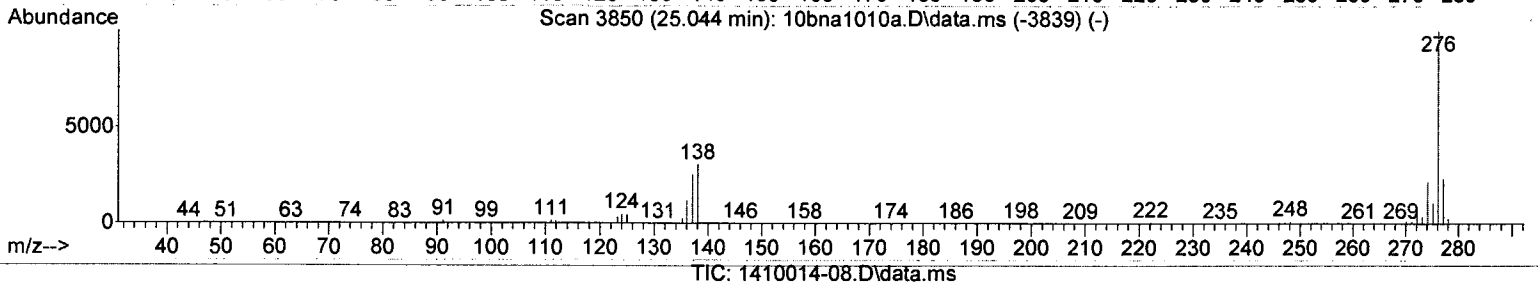
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410014-08.D
Acq On : 11 Oct 2014 00:22
Operator : JLB
Sample : 1410014-08 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 15 09:11:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration







TIC: 1410014-08.D\data.ms

(95) Benzo(g,h,i)Perylene

25.026min (-0.017) 0.14 ng/uL

response 2137

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	6.93#
0.00	0.00	0.00
0.00	0.00	0.00

003419

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-08RE1 File ID: 1410014-08 20x.D

Sampled: 09/29/14 14:36 Prepared: 10/02/14 07:41 Analyzed: 10/20/14 20:22

Solids: 97.02 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410563 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	20	340	95	340	340	U
208-96-8	Acenaphthylene	20	340	86	340	340	U
120-12-7	Anthracene	20	340	83	340	340	U
56-55-3	Benzo(a)anthracene	20	170	57	170	340	U
50-32-8	Benzo(a)pyrene	20	57	47	170	340	J
205-99-2	Benzo(b)fluoranthene	20	57	39	170	340	J
207-08-9	Benzo(k)fluoranthene	20	72	40	170	340	J
191-24-2	Benzo(g,h,i)perylene	20	43	39	170	690	J
65-85-0	Benzoic Acid	20	3400	1400	3400	6900	U
100-51-6	Benzyl Alcohol	20	340	95	340	340	U
101-55-3	4-Bromophenyl Phenyl Ether	20	340	83	340	340	U
85-68-7	Butyl Benzyl Phthalate	20	17000	82	340	690	
86-74-8	Carbazole	20	340	83	340	3400	U
59-50-7	4-Chloro-3-methylphenol	20	340	100	340	340	U
106-47-8	4-Chloroaniline	20	340	180	340	1400	U
111-91-1	Bis(2-chloroethoxy)methane	20	340	83	340	340	U
111-44-4	Bis(2-chloroethyl) Ether	20	340	81	340	340	U
108-60-1	Bis(2-chloroisopropyl) Ether	20	170	76	170	340	U
91-58-7	2-Chloronaphthalene	20	340	100	340	340	U
95-57-8	2-Chlorophenol	20	340	81	340	340	U
7005-72-3	4-Chlorophenyl Phenyl Ether	20	340	78	340	340	U
218-01-9	Chrysene	20	340	80	340	340	U
53-70-3	Dibenz(a,h)anthracene	20	43	39	170	690	J
132-64-9	Dibenzofuran	20	340	100	340	340	U
84-74-2	Di-n-butyl Phthalate	20	690	280	690	1400	U
106-46-7	1,4-Dichlorobenzene	20	340	99	340	340	U
95-50-1	1,2-Dichlorobenzene	20	340	110	340	340	U
541-73-1	1,3-Dichlorobenzene	20	340	120	340	340	U
91-94-1	3,3´-Dichlorobenzidine	20	14000	5700	14000	17000	U
120-83-2	2,4-Dichlorophenol	20	340	84	340	690	U
84-66-2	Diethyl Phthalate	20	340	100	340	340	U
105-67-9	2,4-Dimethylphenol	20	2700	750	2700	3400	U
131-11-3	Dimethyl Phthalate	20	340	97	340	340	U
534-52-1	4,6-Dinitro-2-methylphenol	20	1400	440	1400	3400	U
51-28-5	2,4-Dinitrophenol	20	3400	1200	3400	3400	U
606-20-2	2,6-Dinitrotoluene	20	170	83	170	340	U
121-14-2	2,4-Dinitrotoluene	20	170	68	170	690	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-08RE1 File ID: 1410014-08 20x.D

Sampled: 09/29/14 14:36 Prepared: 10/02/14 07:41 Analyzed: 10/20/14 20:22

Solids: 97.02 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410563 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	20	320	80	340	340	**JB**
122-66-7	1,2-Diphenylhydrazine	20	170	69	170	340	U
117-81-7	Bis(2-ethylhexyl) Phthalate	20	850	240	340	690	**B**
206-44-0	Fluoranthene	20	340	92	340	340	U
86-73-7	Fluorene	20	340	83	340	690	U
118-74-1	Hexachlorobenzene	20	340	98	340	340	U
87-68-3	Hexachlorobutadiene	20	340	94	340	340	U
67-72-1	Hexachloroethane	20	340	100	340	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	20	170	55	170	690	U
78-59-1	Isophorone	20	340	79	340	340	U
91-57-6	2-Methylnaphthalene	20	340	94	340	340	U
108-39-4	3+4-Methylphenol	20	170	76	170	340	U
95-48-7	2-Methylphenol	20	170	73	170	340	U
91-20-3	Naphthalene	20	340	120	340	340	U
100-01-6	4-Nitroaniline	20	1400	510	1400	6800	U
88-74-4	2-Nitroaniline	20	170	74	170	340	U
99-09-2	3-Nitroaniline	20	690	340	690	6800	U
98-95-3	Nitrobenzene	20	340	95	340	340	U
88-75-5	2-Nitrophenol	20	340	92	340	340	U
100-02-7	4-Nitrophenol	20	6900	2100	6900	14000	U
62-75-9	N-Nitroso-dimethylamine	20	140	68	140	690	U
86-30-6	N-Nitroso-diphenylamine	20	170	71	170	340	U
621-64-7	N-Nitroso-di-n-propylamine	20	340	83	340	340	U
87-86-5	Pentachlorophenol	20	340	270	340	3400	U
85-01-8	Phenanthrene	20	340	84	340	340	U
108-95-2	Phenol	20	340	80	340	3400	U
129-00-0	Pyrene	20	340	89	340	340	U
120-82-1	1,2,4-Trichlorobenzene	20	340	91	340	340	U
95-95-4	2,4,5-Trichlorophenol	20	340	93	340	340	U
88-06-2	2,4,6-Trichlorophenol	20	170	52	170	340	U

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	356893	7.64	403279	7.614	
Naphthalene-d8	1383866	10.385	1529030	10.359	
Acenaphthene-d10	758863	14.495	866604	14.474	
Phenanthrene-d10	1153747	17.91	1400442	17.901	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-08RE1
File ID: 1410014-08 20x.D
Sampled: 09/29/14 14:36
Prepared: 10/02/14 07:41
Analyzed: 10/20/14 20:22
Solids: 97.02
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410563
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

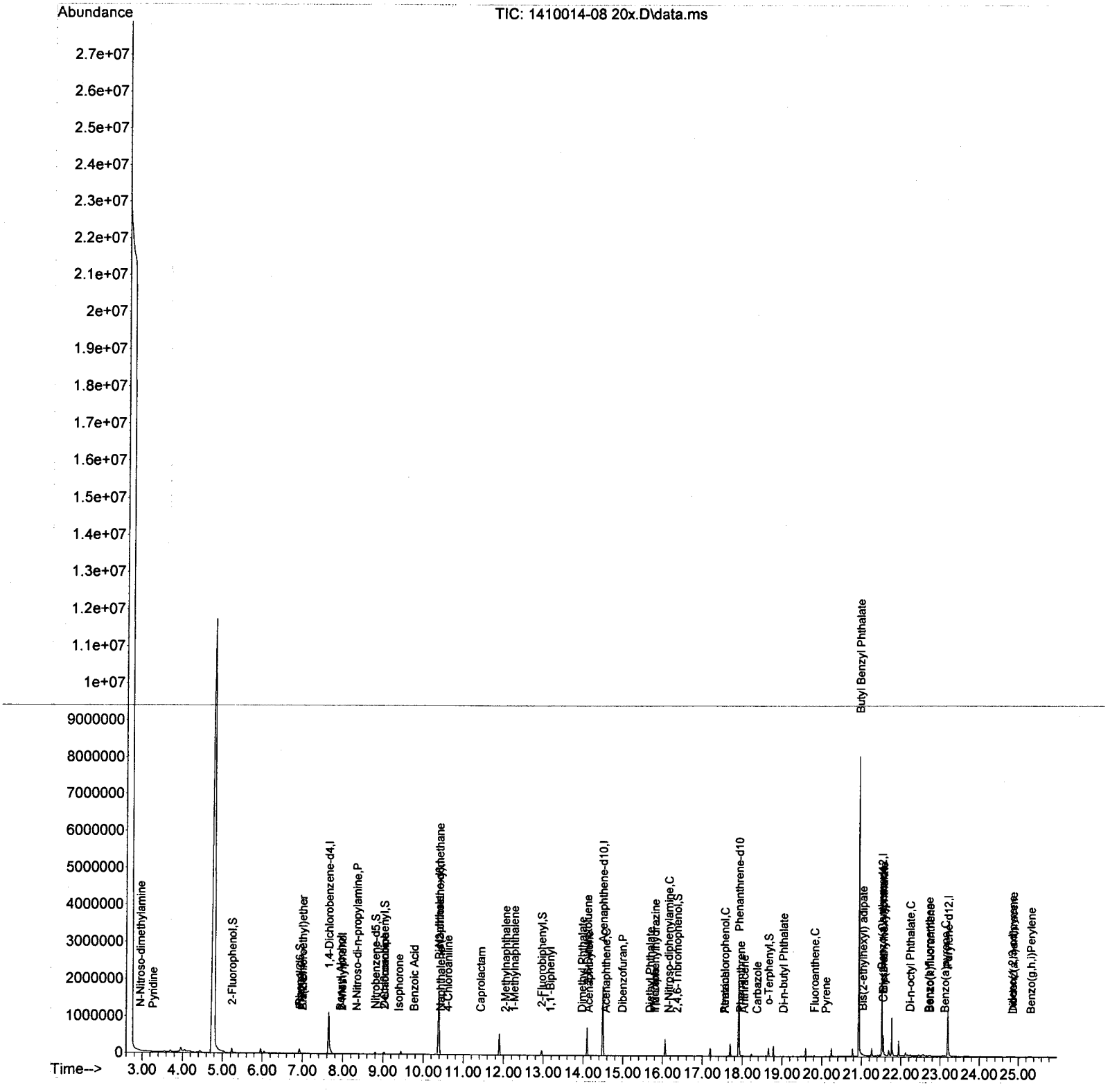
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chrysene-d12	892485	21.518	1153654	21.538	
Perylene-d12	638204	23.197	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:01:10 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

rel

Quant Time: Oct 21 08:01:10 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.640	152	356893	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.385	136	1383866	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.495	164	758863	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.910	188	1153747	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	892485m	5.00	ng/uL	-0.01
89) Perylene-d12	23.197	264	638204	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.233	112	64727	0.79	ng/uL	0.02
6) Phenol-d6	6.923	99	90171	0.85	ng/uL	-0.02
21) Nitrobenzene-d5	8.800	82	34416	0.39	ng/uL	-0.02
23) Decafluorobiphenyl	9.027	334	25311	0.41	ng/uL	0.00
47) 2-Fluorobiphenyl	12.956	172	73735	0.47	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.366	330	330	0.02	ng/uL	-0.02
78) o-Terphenyl	18.662	230	50253	0.51	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.942	74	62	0.00	ng/uL#	1
3) Pyridine	3.263	79	739	0.01	ng/uL#	45
5) Aniline	6.993	93	126	0.22	ng/uL#	8
7) Phenol	6.941	94	1044	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.993	93	126	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	0.000		0	N.D.		
14) Benzyl Alcohol	7.937	108	1037	0.02	ng/uL	96
15) 2-Methylphenol	7.978	108	187	0.00	ng/uL#	11
16) Acetophenone	0.000		0	N.D.		
17) Hexachloroethane	0.000		0	N.D.		
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.345	70	59	0.00	ng/uL#	1
22) Nitrobenzene	8.806	77	62	0.00	ng/uL#	1
24) Isophorone	9.395	82	71	0.00	ng/uL#	58
25) 2-Chloroaniline	9.033	127	219	0.00	ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	10.391	93	587	0.01	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.768	105	127	RT ~~2.46~~	ng/uL#	11
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.426	128	637	0.00	ng/uL#	1
33) 4-Chloroaniline	10.601	127	265	0.00	ng/uL#	27
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.429	55	140	0.00	ng/uL#	21
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 2-Methylnaphthalene	12.047	142	634	0.00	ng/uL#	76
40) 1-Methylnaphthalene	12.268	142	779	0.00	ng/uL#	93
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:01:10 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	0.000		0	N.D.	
49) 1,1'-Biphenyl	13.172	154	503	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.139	152	243	0.00 ng/uL#	1
52) 2,6-Dinitrotoluene	14.104	165	216	0.01 ng/uL#	1
53) Dimethyl Phthalate	13.970	163	705	0.00 ng/uL#	69
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.565	153	954	0.01 ng/uL	89
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.984	168	450	0.00 ng/uL	92
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.800	166	735	0.00 ng/uL#	67
63) Diethyl Phthalate	15.684	149	886	0.01 ng/uL#	66
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.	
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.156	169	310	0.00 ng/uL#	44
69) 1,2-Diphenylhydrazine	15.806	182	62	0.00 ng/uL#	77
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.549	200	56	0.00 ng/uL#	25
74) Pentachlorophenol	17.555	266	544	0.02 ng/uL	94
75) Phenanthrene	17.951	178	5097	0.02 ng/uL	100
76) Anthracene	18.044	178	1570	0.01 ng/uL#	78
77) Carbazole	18.371	167	1994	0.01 ng/uL#	71
79) Di-n-butyl Phthalate	19.035	149	6343	0.03 ng/uL	97
80) Fluoroanthene	19.816	202	4038	0.02 ng/uL#	54
82) Pyrene	20.102	202	5451	0.03 ng/uL#	91
83) Butyl Benzyl Phthalate	20.935	149	1931221	23.10 ng/uL	93
84) Bis(2-ethylhexyl) adipate	21.029	129	5987	0.14 ng/uL#	100
85) Benzo(a)anthracene	21.512	228	11795	0.07 ng/uL#	59
86) Chrysene	21.547	228	10960	0.07 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.553	149	126407	1.18 ng/uL	91
88) Di-n-octyl Phthalate	22.235	149	21460m	0.45 ng/uL	
90) Benzo(b)fluoroanthene	22.707	252	9404	0.08 ng/uL#	85
91) Benzo(k)fluoranthene	22.736	252	12481	0.10 ng/uL#	90
92) Benzo(a)pyrene	23.121	252	9056	0.08 ng/uL#	78
93) Indeno(1,2,3-cd)pyrene	24.840	276	6206	0.07 ng/uL#	62
94) Dibdenz(a,h)anthracene	24.864	278	4692	0.06 ng/uL#	85
95) Benzo(g,h,i)Perylene	25.324	276	4982	0.06 ng/uL#	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

008425

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 07:49:09 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

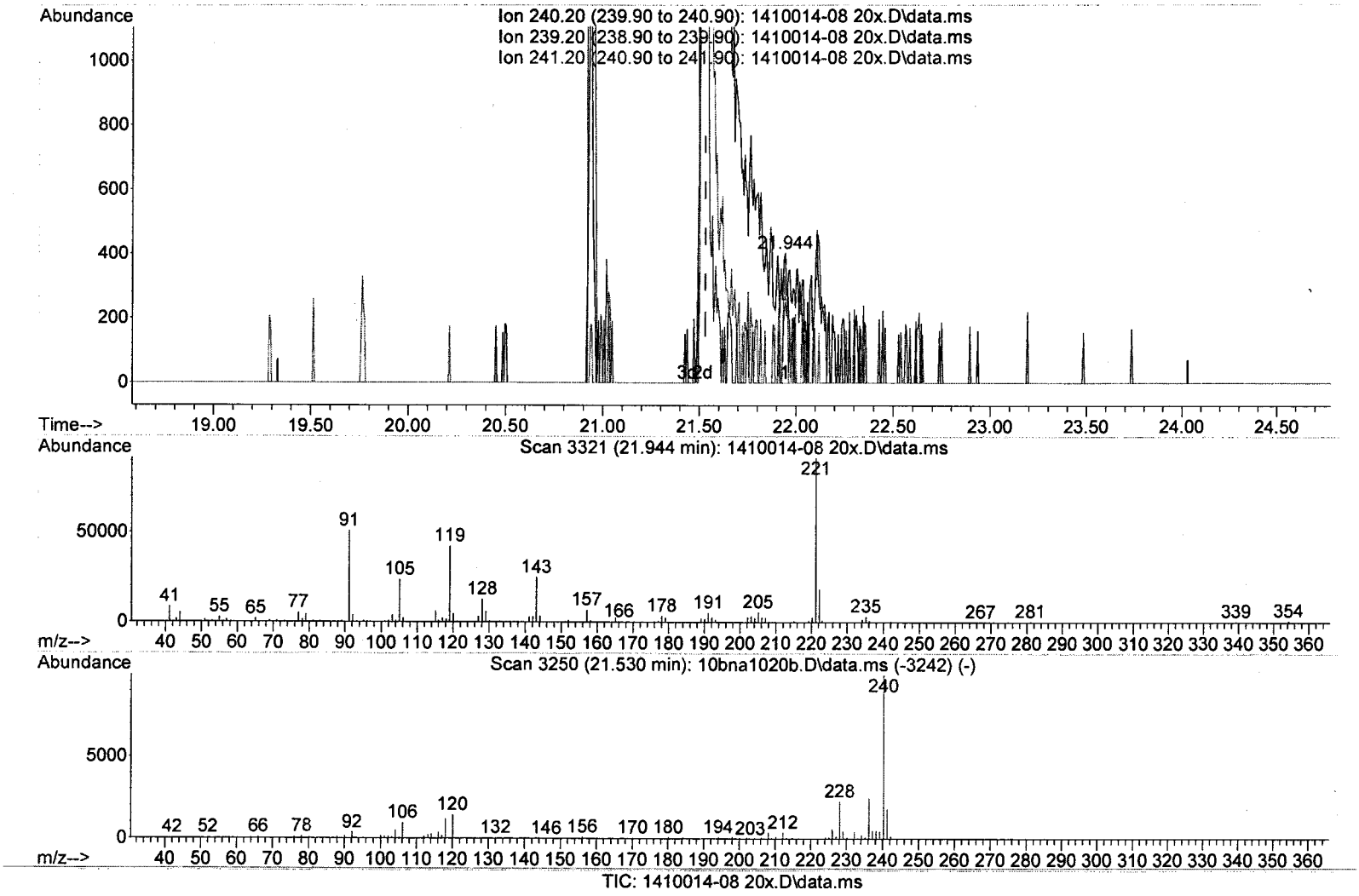
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.640	152	353518	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.385	136	1383866	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.495	164	758863	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1156224	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	889883m	5.00	ng/uL		0.00
22) Perylene-d12	23.197	264	638204	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.			
3) Pyridine	2.814	79	141	0.00	ng/uL		84
4) Aniline	6.993	93	126	0.00	ng/uL	#	8
5) Benzaldehyde	6.789	105	268	0.00	ng/uL	#	55
6) Acetophenone	0.000		0	N.D.			
7) N-Nitroso-di-n-propyla...	8.800	70	4212	0.06	ng/uL	#	21
9) 4-Chloroaniline	10.601	127	265	0.01	ng/uL	#	27
10) Caprolactam	11.411	55	111	0.10	ng/uL	#	21
12) 1,1'-Biphenyl	13.172	154	503	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.156	169	310	0.00	ng/uL	#	44
18) Atrazine	17.188	200	259	Below Cal		#	74
20) Benzidine	20.032	184	1648	0.42	ng/uL		96
21) 3,3'-Dichlorobenzidine	21.775	252	128	0.00	ng/uL	#	19

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:00:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08 20x.D\data.ms

(81) Chrysene-d12 (I)

21.944min (+ 0.414) 5.00 ng/uL

response 2779

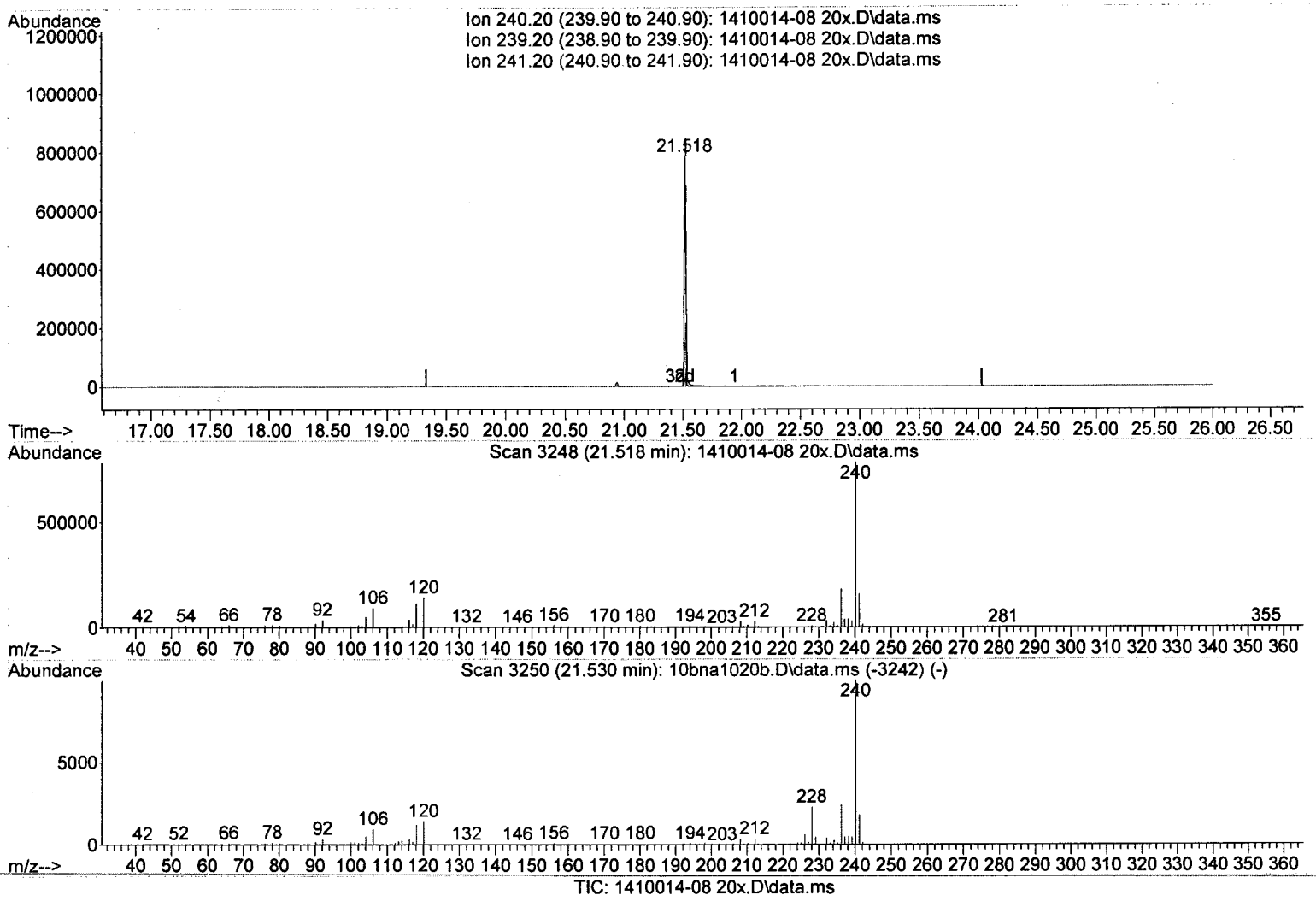
Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	19.25
241.20	19.50	18.64
0.00	0.00	0.00

JWB 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:00:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08 20x.D\data.ms

(81) Chrysene-d12 (I)

21.518min (-0.012) 5.00 ng/uL m

response 892485

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	0.06#
241.20	19.50	0.06#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

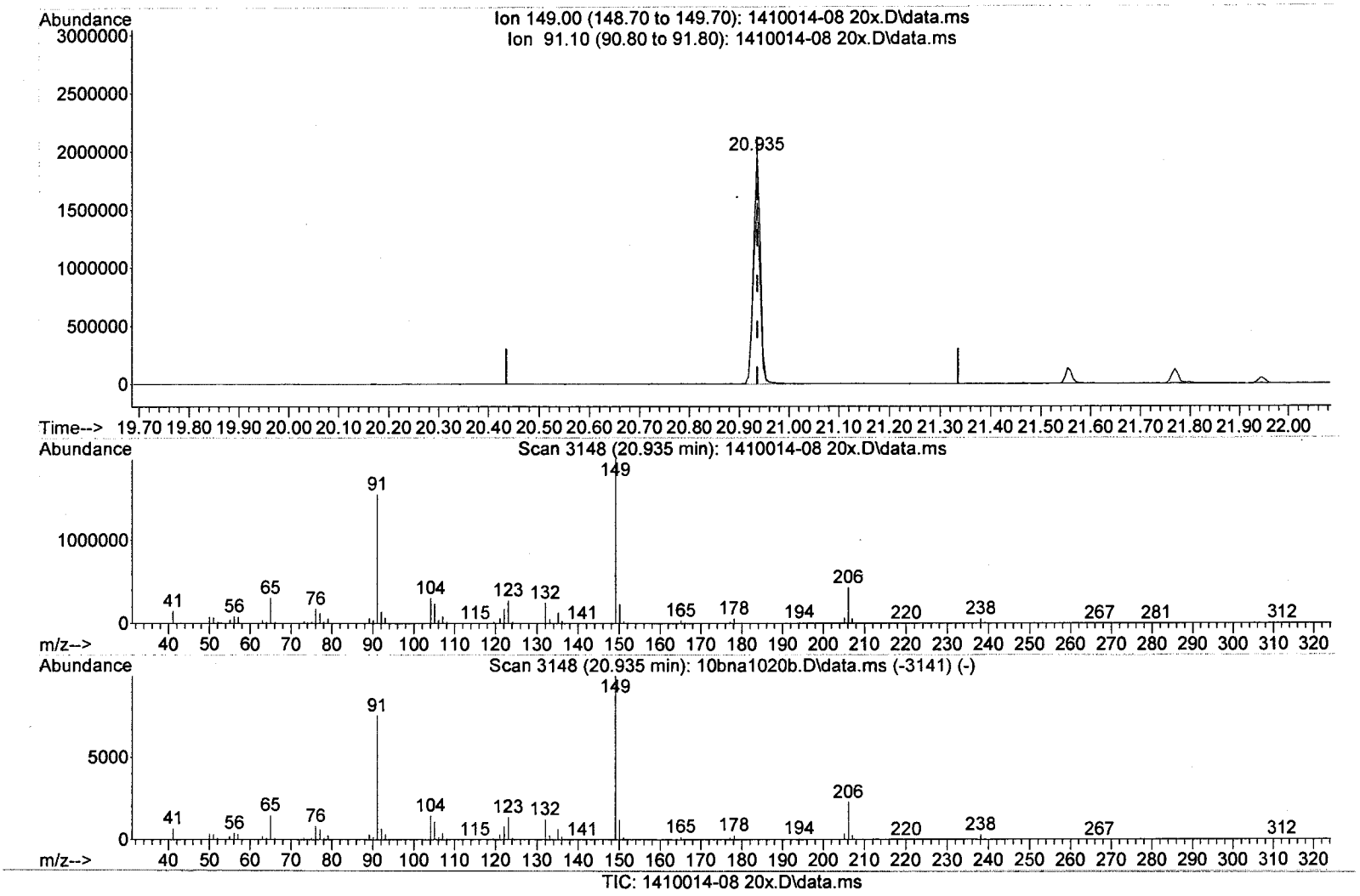
Analyst: JLB Date: 10/21/14

Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:00:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.935min (-0.000) 23.10 ng/uL

response 1931221

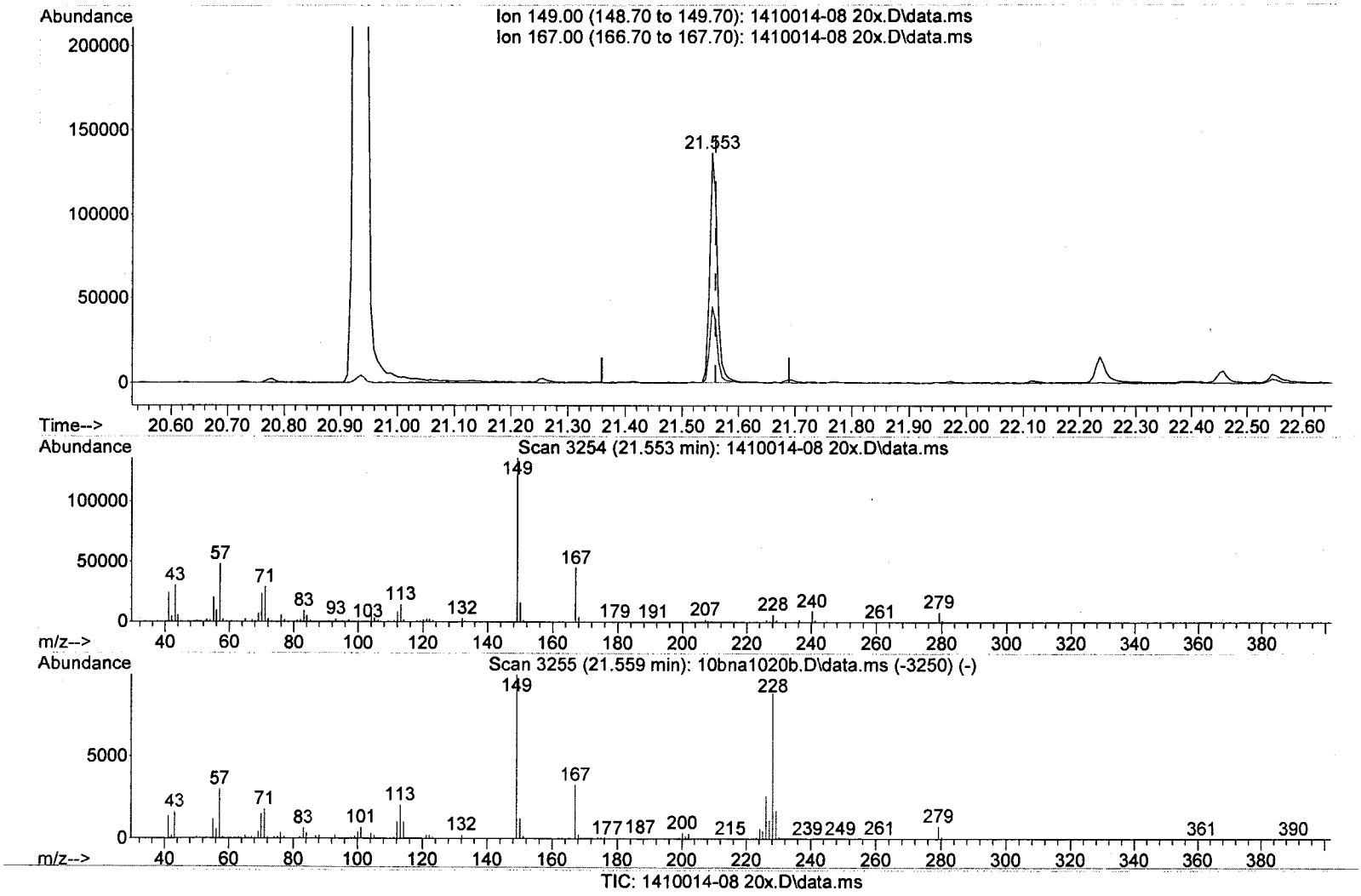
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	78.28
0.00	0.00	0.00
0.00	0.00	0.00

003129

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:00:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08 20x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.553min (-0.006) 1.18 ng/uL

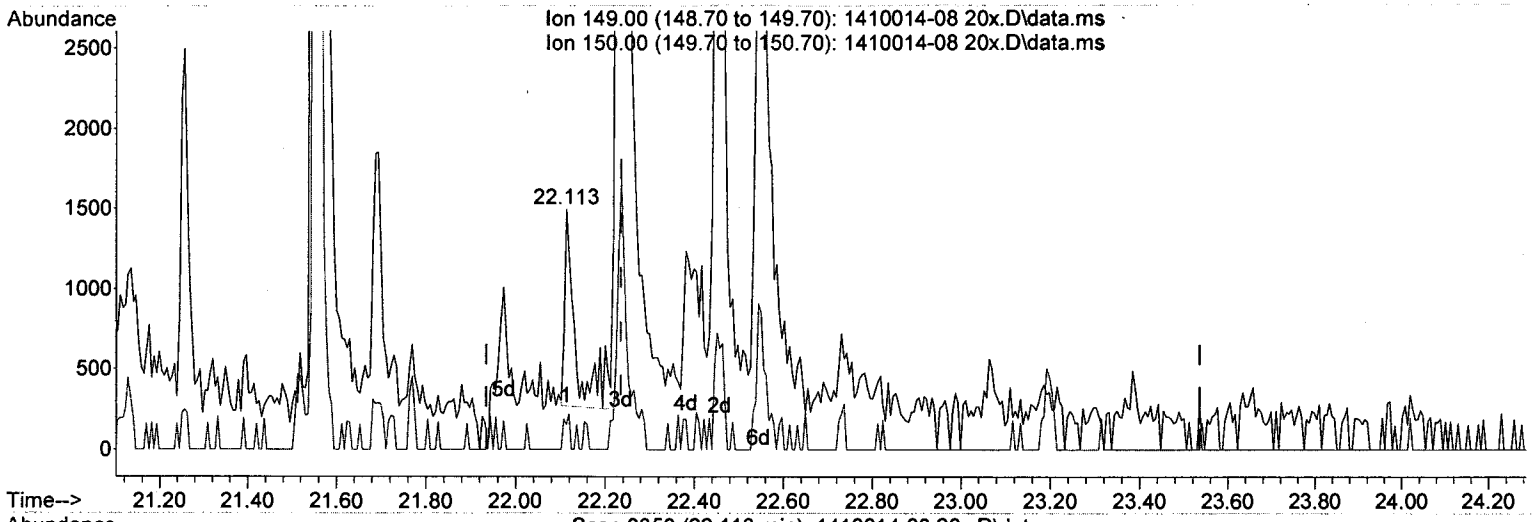
response 126407

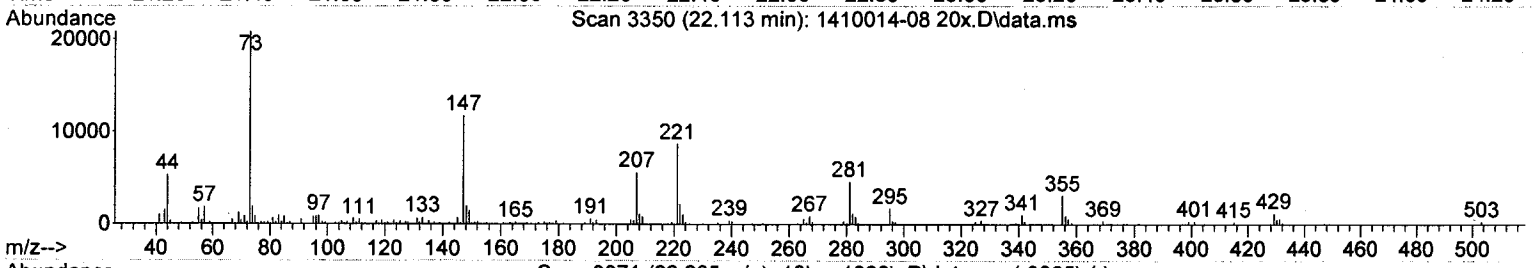
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.94
0.00	0.00	0.00
0.00	0.00	0.00

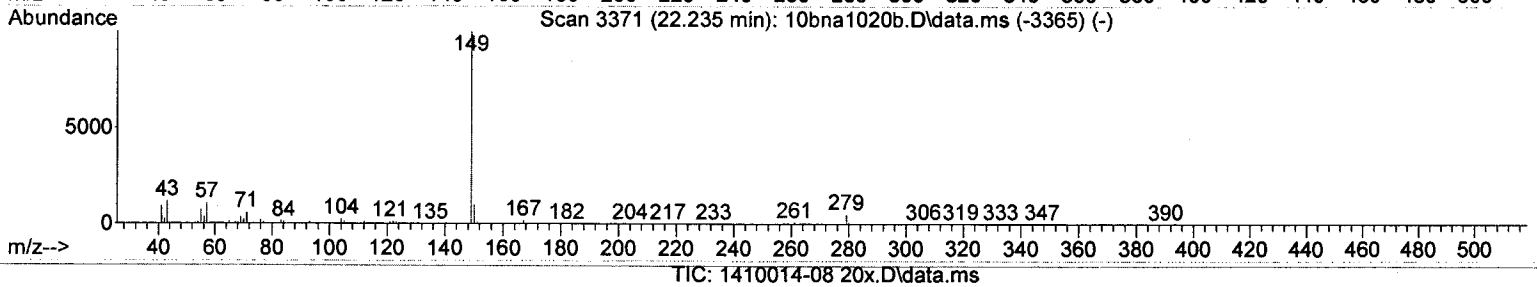
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:00:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410014-08 20x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.113min (-0.123) 0.35 ng/uL

response 2158

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	9.08
0.00	0.00	0.00
0.00	0.00	0.00

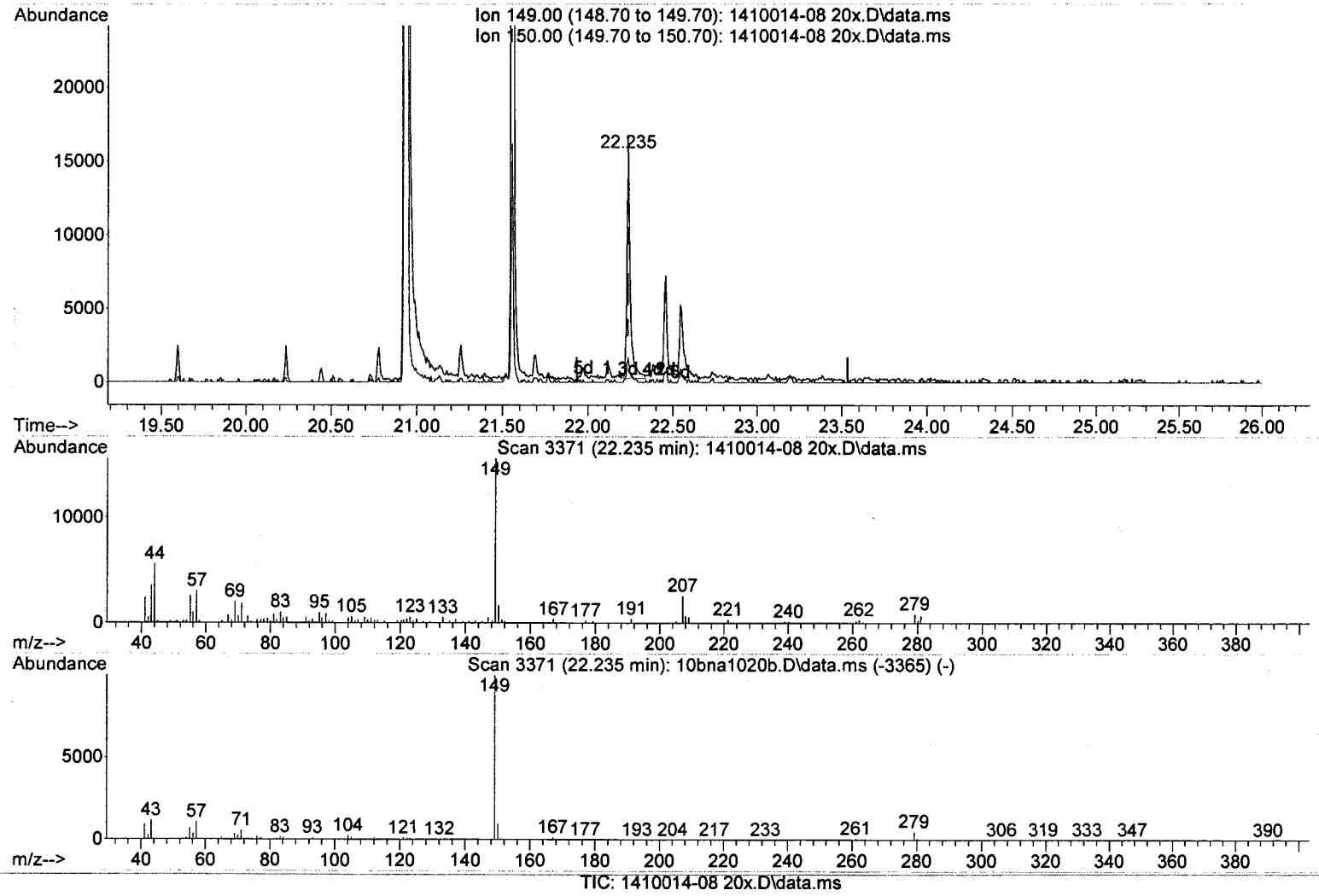
JB 10/21/14

009431

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:00:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08 20x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.235min (-0.000) 0.45 ng/uL m

response 21460

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.91#
0.00	0.00	0.00
0.00	0.00	0.00

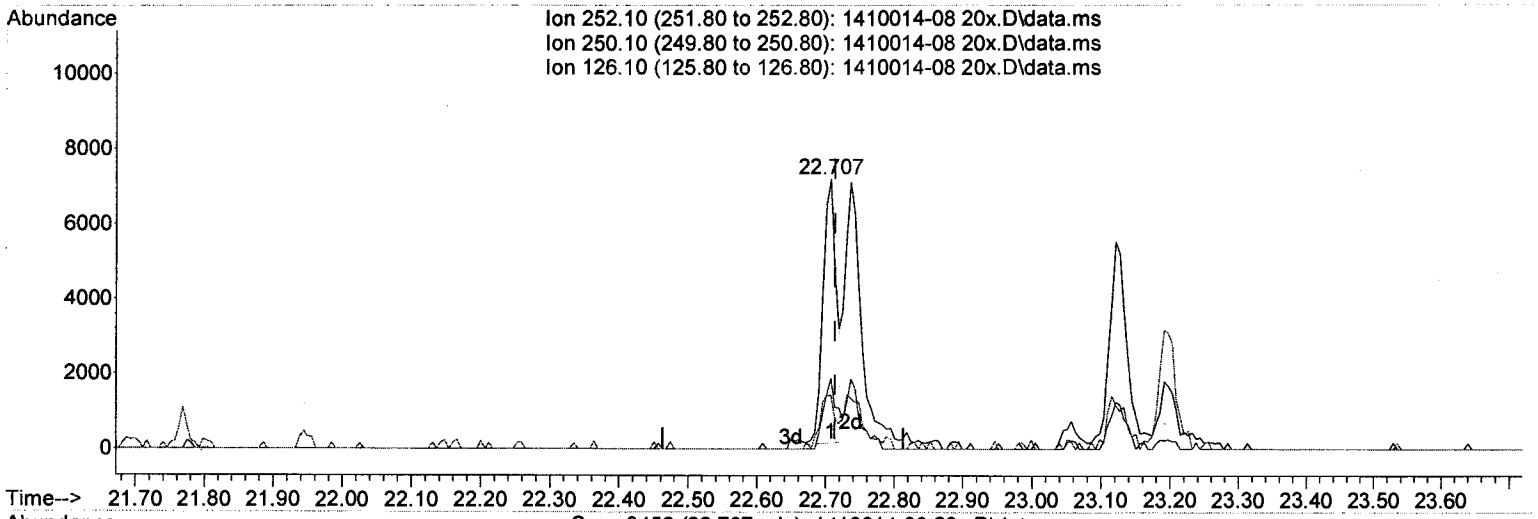
Manual Integration Explanation
Reason 3: Incorrect baseline drawn by the software.
Flagged on Quantitation Report: (Yes) No
Analyst: JLB Date: 10/21/14
Reviewed By: ASC Date: 10/21/14

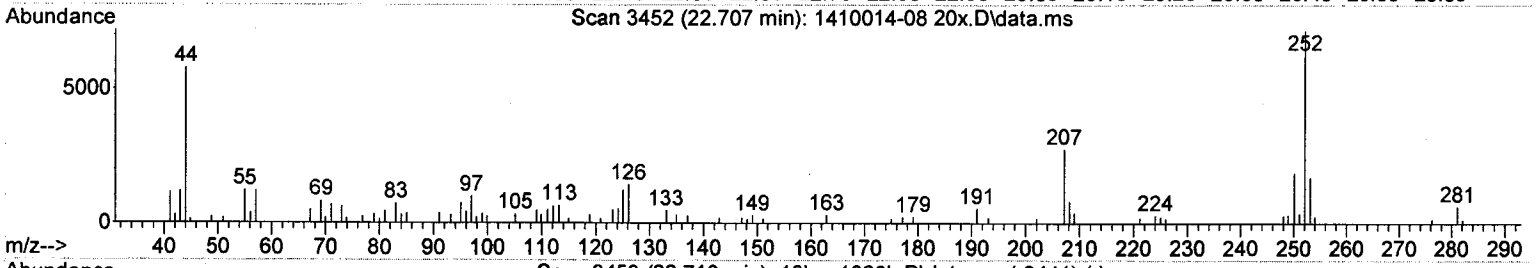
003482

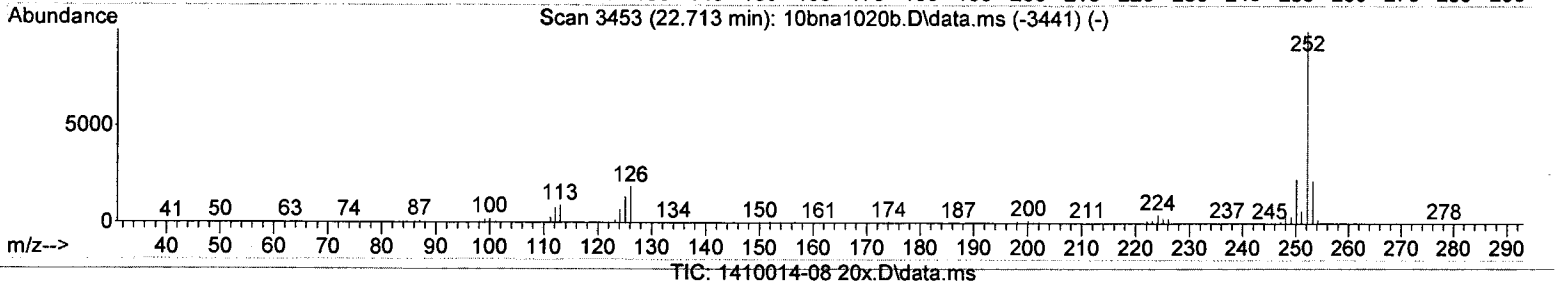
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:00:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410014-08 20x.D\data.ms

(90) Benzo(b)fluoroanthene

22.707min (-0.006) 0.08 ng/uL

response 9404

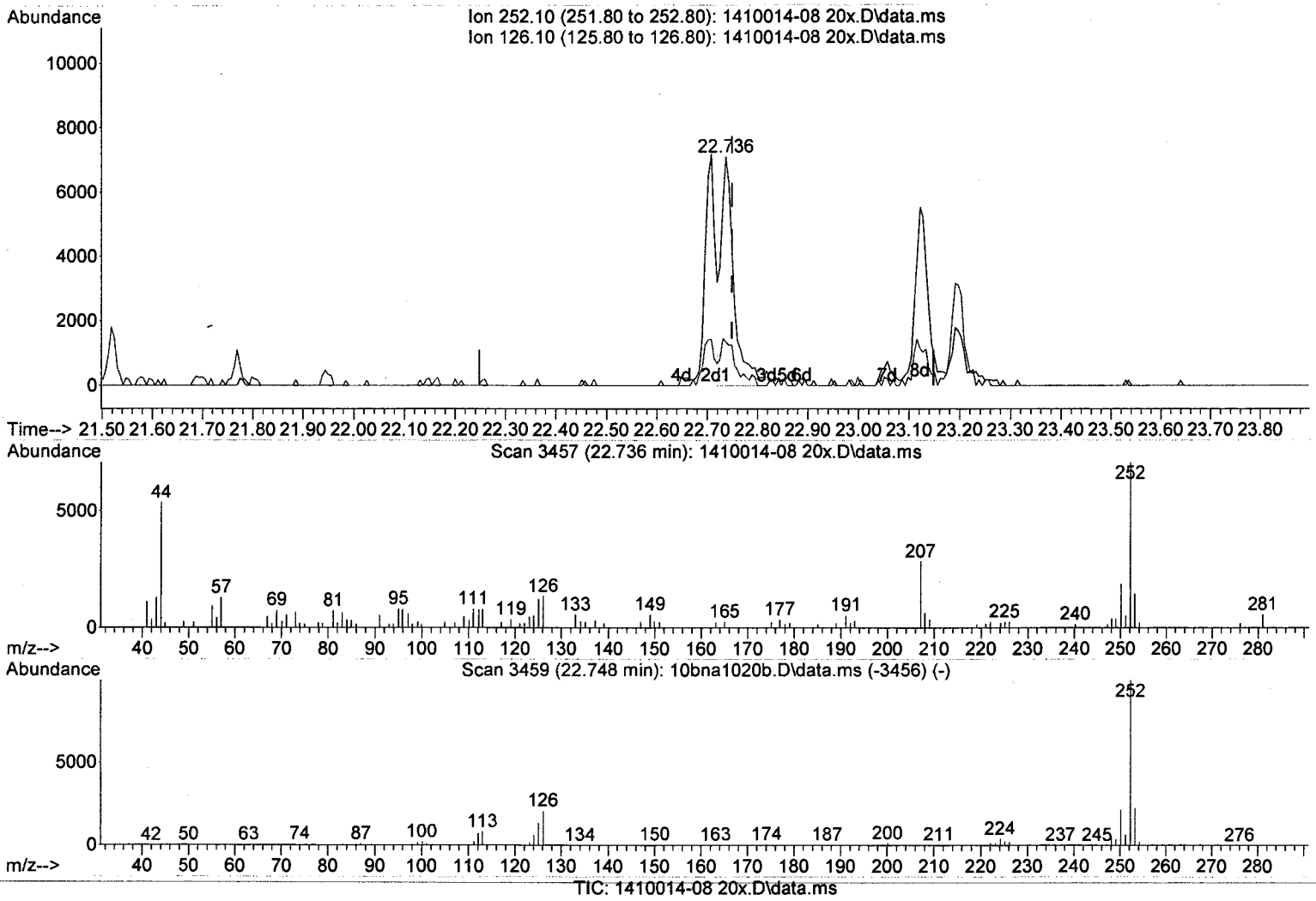
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	28.74#
126.10	17.20	24.88#
0.00	0.00	0.00

003433

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:00:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08 20x.D\data.ms

(91) Benzo(k)fluoranthene

22.736min (-0.012) 0.10 ng/uL

response 12481

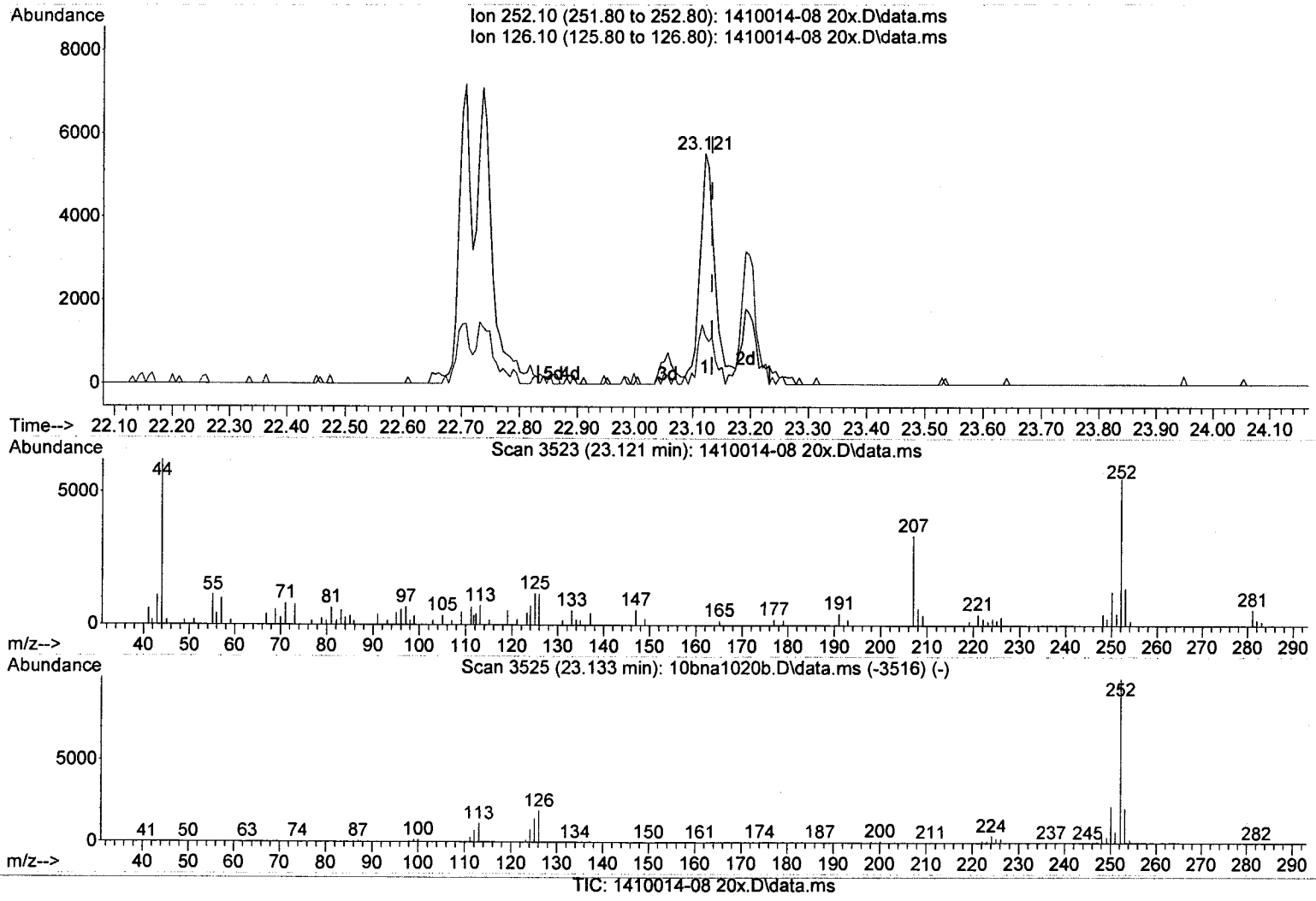
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	23.19#
0.00	0.00	0.00
0.00	0.00	0.00

003484

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:00:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

23.121min (-0.012) 0.08 ng/uL

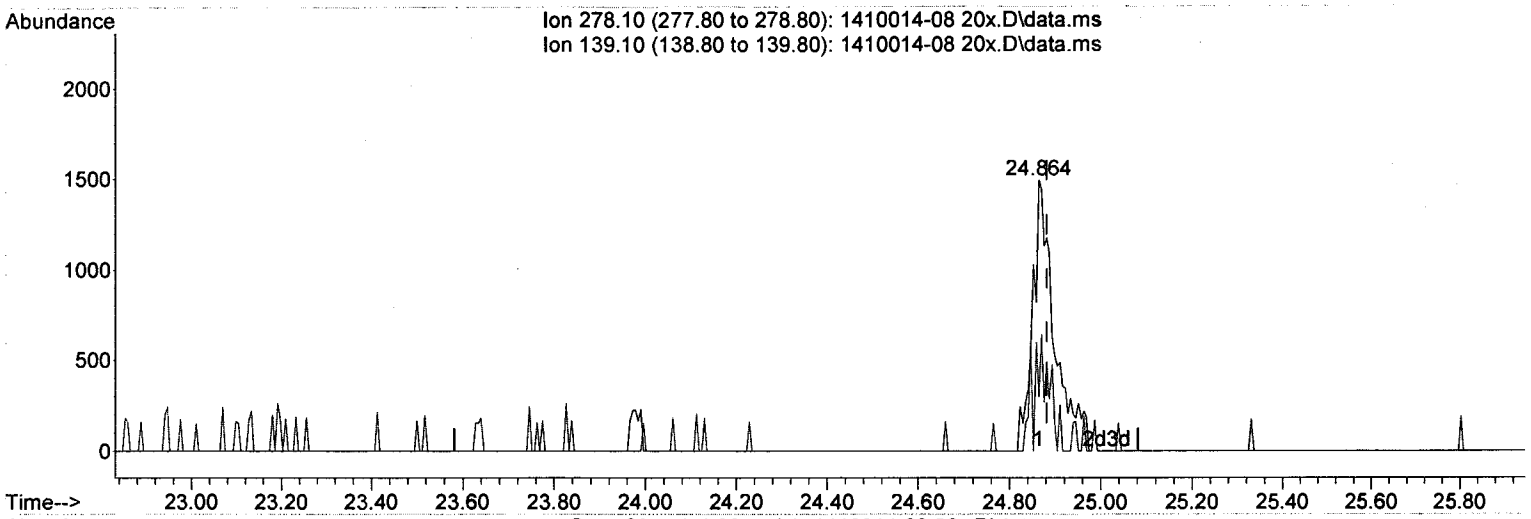
response 9056

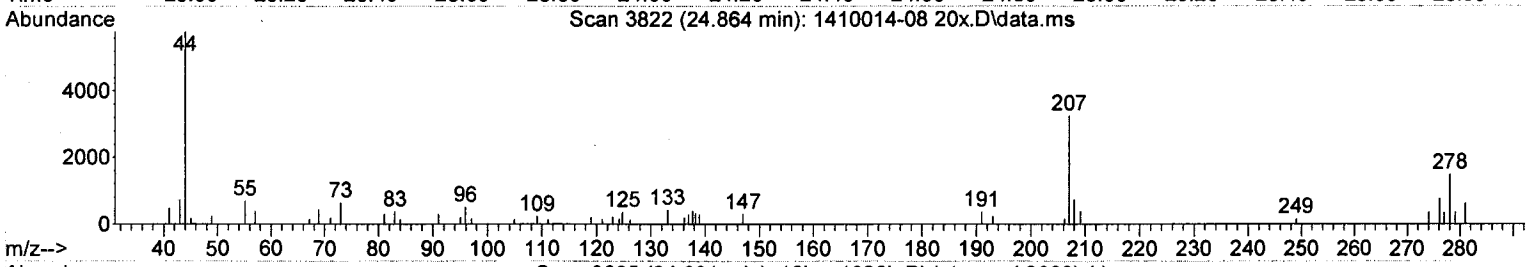
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	29.52#
0.00	0.00	0.00
0.00	0.00	0.00

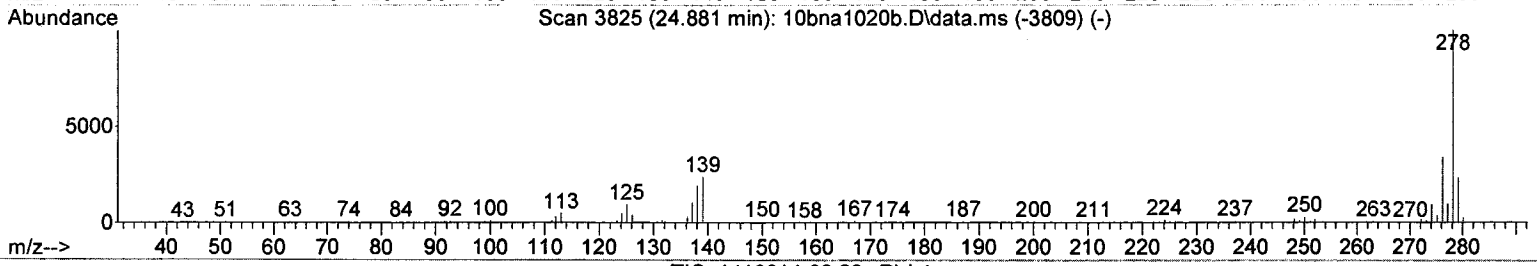
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:00:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410014-08 20x.D\data.ms

(94) Dibdenz(a,h)anthracene

24.864min (-0.018) 0.06 ng/uL

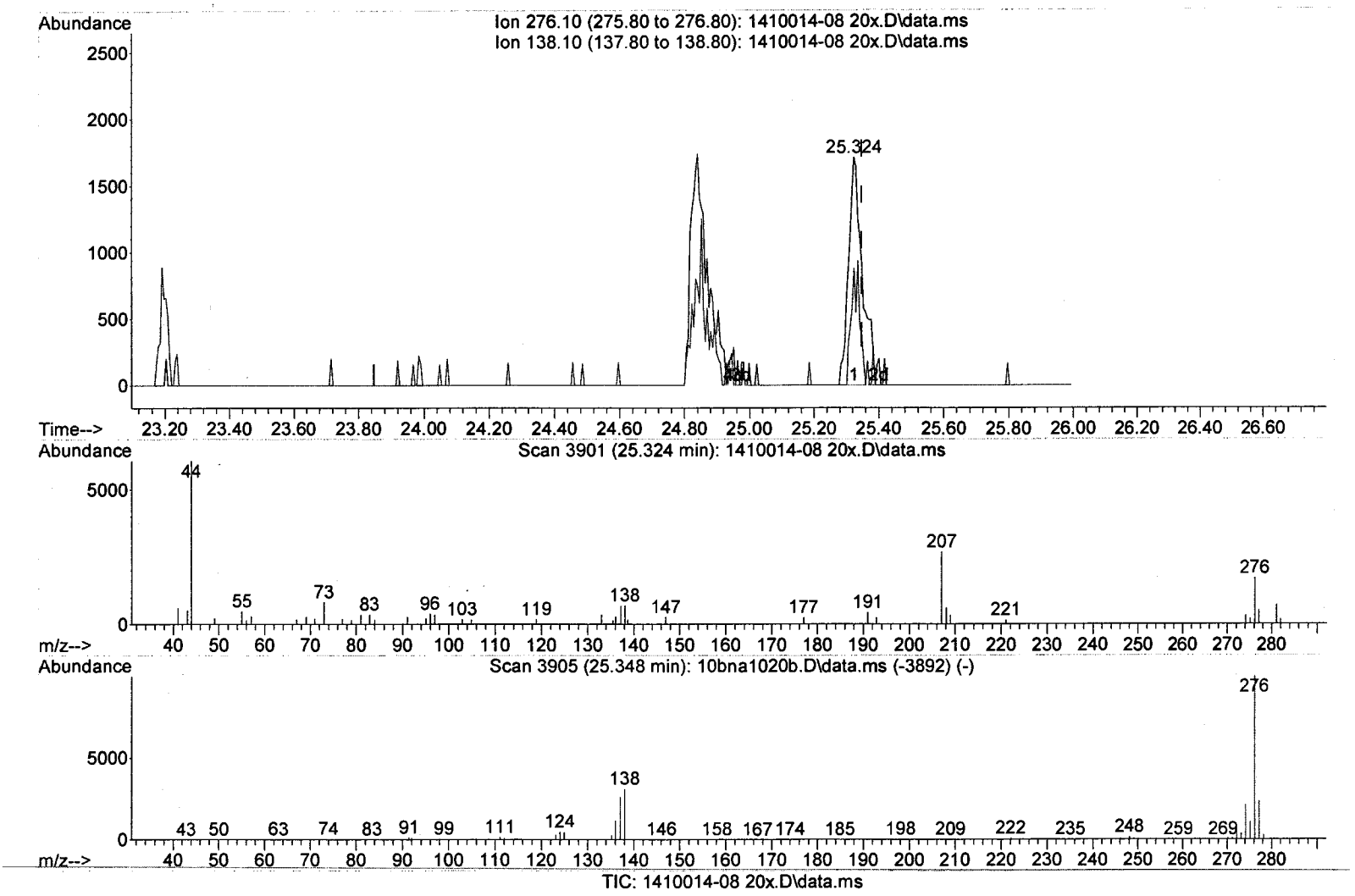
response 4692

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	23.79#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 08:00:13 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08 20x.D\data.ms

(95) Benzo(g,h,i)Perylene

25.324min (-0.023) 0.06 ng/uL

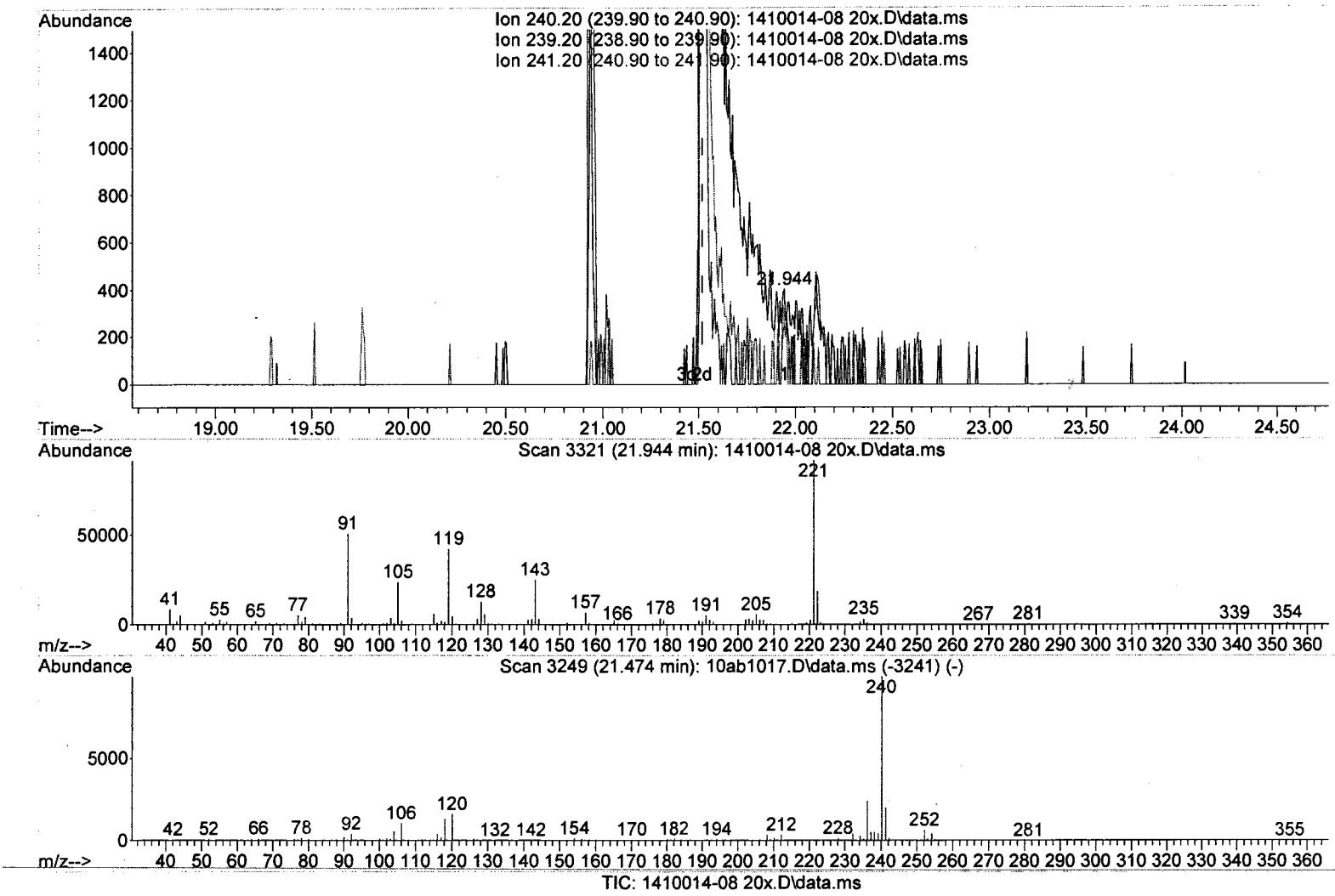
response 4982

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	34.14#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 07:48:54 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration



TIC: 1410014-08 20x.D\data.ms

(19) Chrysene-d12 (I)

21.944min (+ 0.425) 5.00 ng/uL

response 2779

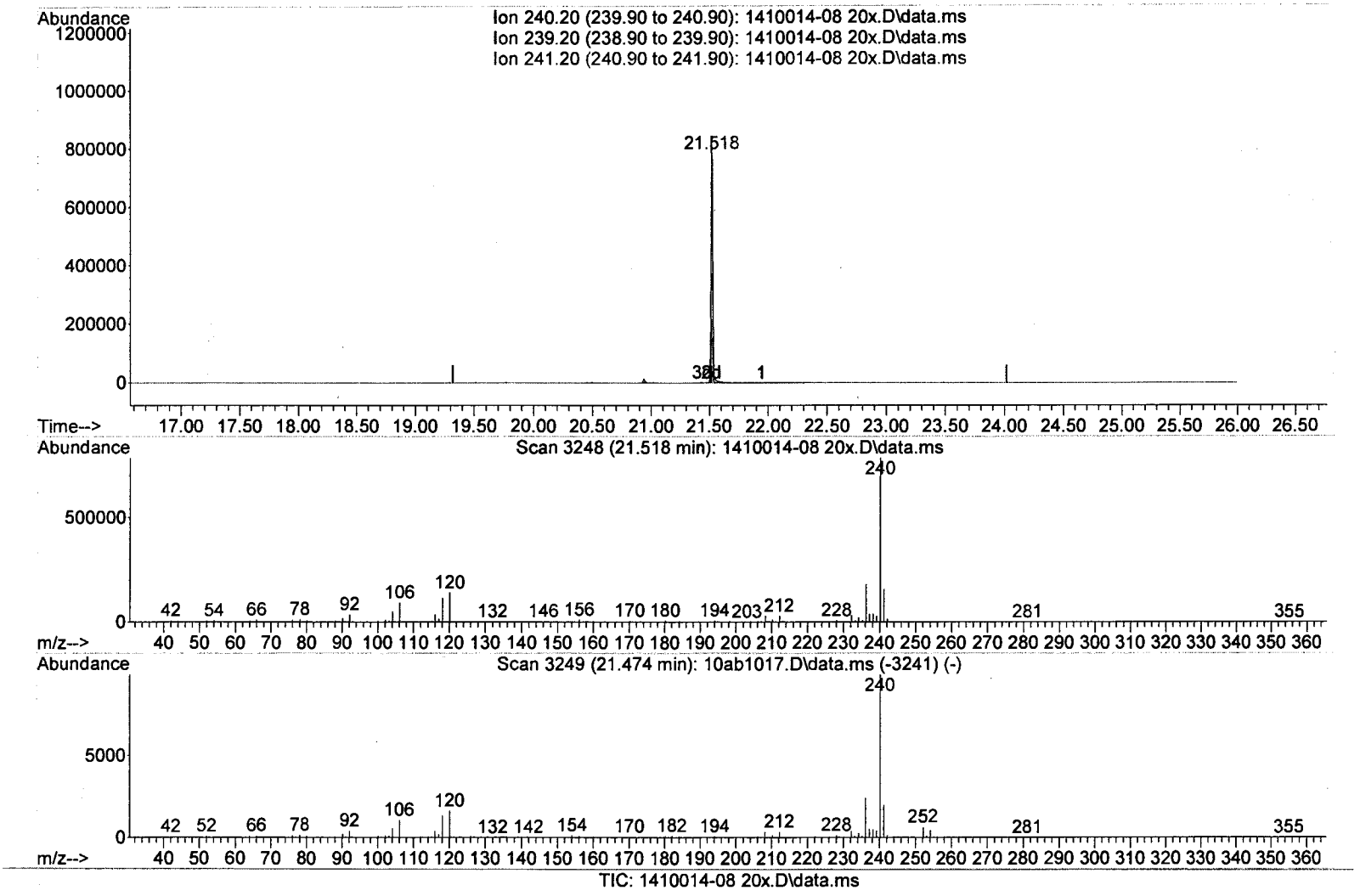
Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	19.25
241.20	19.50	18.64
0.00	0.00	0.00

JWS 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08 20x.D
Acq On : 20 Oct 2014 20:22
Operator : JLB
Sample : 1410014-08 20x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 21 07:48:54 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration



TIC: 1410014-08 20x.D\data.ms

(19) Chrysene-d12 (I)

21.518min (-0.000) 5.00 ng/uL m

response 889883

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	0.06#
241.20	19.50	0.06#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/21/14

Reviewed By: ASC Date: 10/21/14

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-08RE2 File ID: 1410014-08re2.D

Sampled: 09/29/14 14:36 Prepared: 10/15/14 11:41 Analyzed: 10/21/14 03:18

Solids: 97.02 Preparation: 3550C Sonication Extract Initial/Final: 29.6 grams / 1 mL

QC Batch: 1410563 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	7.0	2.8	8.6	17	J
50-32-8	Benzo(a)pyrene	1	9.1	2.4	8.6	17	J
205-99-2	Benzo(b)fluoranthene	1	13	2.0	8.6	17	J
207-08-9	Benzo(k)fluoranthene	1	6.6	2.0	8.6	17	J
191-24-2	Benzo(g,h,i)perylene	1	6.3	1.9	8.6	34	J
65-85-0	Benzoic Acid	1	170	71	170	340	U
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	1100	4.1	17	34	E
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	7.7	4.0	17	17	J
53-70-3	Dibenz(a,h)anthracene	1	4.2	2.0	8.6	34	J
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	7.7	5.0	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-08RE2 File ID: 1410014-08re2.D

Sampled: 09/29/14 14:36 Prepared: 10/15/14 11:41 Analyzed: 10/21/14 03:18

Solids: 97.02 Preparation: 3550C Sonication Extract Initial/Final: 29.6 grams / 1 mL

QC Batch: 1410563 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	15	4.0	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	1200	12	17	34	BE
206-44-0	Fluoranthene	1	9.1	4.6	17	17	J
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	5.6	2.8	8.6	34	J
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.5	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	7.0	4.2	17	17	J
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	15	4.4	17	17	J
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	696	335	48	33 - 113	
Phenol-d6	696	629	90	30 - 115	
Nitrobenzene-d5	348	319	92	33 - 131	
2-Fluorobiphenyl	348	325	93	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-08RE2
File ID: 1410014-08re2.D
Sampled: 09/29/14 14:36
Prepared: 10/15/14 11:41
Analyzed: 10/21/14 03:18
Solids: 97.02
Preparation: 3550C Sonication Extract
Initial/Final: 29.6 grams / 1 mL
QC Batch: 1410563
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	696	31.0	4	12 - 124	*
o-Terphenyl	348	333	96	20 - 155	

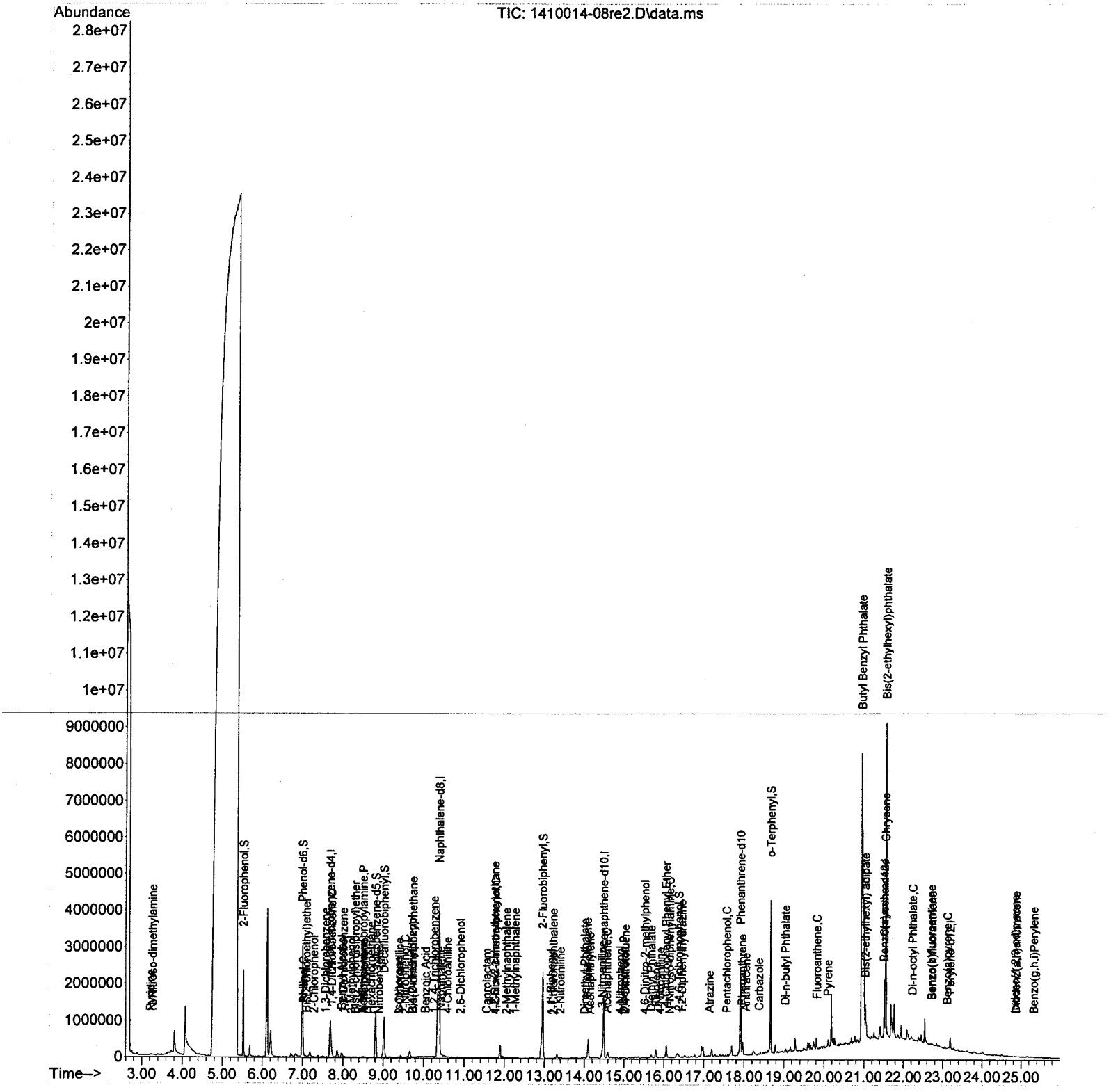
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	369272	7.681	403279	7.614	
Naphthalene-d8	1396052	10.38	1529030	10.359	
Acenaphthene-d10	824900	14.489	866604	14.474	
Phenanthrene-d10	1257278	17.91	1400442	17.901	
Chrysene-d12	630523	21.518	1153654	21.538	
Perylene-d12	197467	23.197	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:27:38 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



100414BNA.M Tue Oct 21 08:27:51 2014 339

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:27:38 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	369272	5.00	ng/uL	# 0.04
20) Naphthalene-d8	10.380	136	1396052	5.00	ng/uL	-0.01
42) Acenaphthene-d10	14.489	164	824900	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.910	188	1257278	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	630523	5.00	ng/uL	#-0.01
89) Perylene-d12	23.197	264	197467\mw	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.525	112	812790m	9.63	ng/uL	0.31
6) Phenol-d6	6.999	99	1973508	18.07	ng/uL	0.06
21) Nitrobenzene-d5	8.812	82	816310	9.15	ng/uL	0.00
23) Decafluorobiphenyl	9.022	334	530707	8.48	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.956	172	1589963	9.33	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.372	330	16973	0.89	ng/uL	-0.01
78) o-Terphenyl	18.662	230	1031857	9.57	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.263	74	148	0.00	ng/uL#	1
3) Pyridine	3.211	79	590	0.01	ng/uL#	50
5) Aniline	7.023	93	141	0.22	ng/uL#	1
7) Phenol	7.023	94	4697	0.04	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.092	93	561	0.01	ng/uL#	65
9) 2-Chlorophenol	7.279	128	234	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.565	146	2075	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.716	146	1159	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	8.008	146	2055	0.02	ng/uL#	16
13) Bis(2-chloroisipropyl)...	8.305	45	233	0.00	ng/uL	97
14) Benzyl Alcohol	7.967	108	31517	0.50	ng/uL	96
15) 2-Methylphenol	8.200	108	228	0.00	ng/uL#	24
16) Acetophenone	8.503	105	3723	0.03	ng/uL#	97
17) Hexachloroethane	8.695	119	698	0.02	ng/uL#	3
18) 4-Methylphenol	8.526	108	838	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.503	70	1791	0.03	ng/uL#	1
22) Nitrobenzene	8.894	77	366	0.00	ng/uL#	45
24) Isophorone	9.377	82	12173	0.07	ng/uL	98
25) 2-Chloroaniline	9.406	127	308	0.00	ng/uL#	29
26) 2-Nitrophenol	9.546	139	65	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.715	107	70	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.739	93	77	0.00	ng/uL	93
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	10.042	105	737	~~2.46~~ PP	ng/uL#	27
31) 1,2,4-Trichlorobenzene	10.257	180	884	0.01	ng/uL	80
32) Naphthalene	10.426	128	4115	0.01	ng/uL#	1
33) 4-Chloroaniline	10.590	127	1177	0.02	ng/uL#	34
34) 2,6-Dichlorophenol	10.904	162	117	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.551	55	14415	0.36	ng/uL#	38
37) 1,2-Bis(2-chloroethoxy...	11.761	63	134	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.779	107	1276	0.02	ng/uL#	30
39) 2-Methylnaphthalene	12.047	142	3605	0.02	ng/uL#	80
40) 1-Methylnaphthalene	12.268	142	2536	0.02	ng/uL#	76
41) 1,3 Dinitrobenzene	14.023	168	68	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:27:38 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.218	162	432	0.00 ng/uL	94
49) 1,1'-Biphenyl	13.166	154	2310	0.01 ng/uL#	74
50) 2-Nitroaniline	13.399	138	121	0.00 ng/uL#	56
51) Acenaphthylene	14.145	152	440	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.081	165	1920	0.05 ng/uL#	1
53) Dimethyl Phthalate	14.011	163	63	0.00 ng/uL#	1
54) 3-Nitroaniline	14.448	138	171	0.00 ng/uL#	56
55) Acenaphthene	14.571	153	4050	0.02 ng/uL	96
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.990	168	2982	0.01 ng/uL	93
58) 4-Nitrophenol	14.903	65	522	0.02 ng/uL#	67
59) 2,4-Dinitrotoluene	15.031	165	721	0.01 ng/uL#	38
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.806	166	4411	0.02 ng/uL#	45
63) Diethyl Phthalate	15.684	149	37501	0.22 ng/uL	96
64) 4-Chlorophenyl Phenyl ...	16.051	204	1997	0.02 ng/uL#	36
65) 4-Nitroaniline	15.905	138	344	0.01 ng/uL#	38
67) 4,6-Dinitro-2-methylph...	15.527	198	125	LT ~~0.99~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.150	169	2428	0.02 ng/uL#	78
69) 1,2-Diphenylhydrazine	16.453	182	70	0.00 ng/uL	86
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.135	200	187	0.00 ng/uL	89
74) Pentachlorophenol	17.561	266	67	0.00 ng/uL#	1
75) Phenanthrene	17.951	178	49792	0.20 ng/uL	97
76) Anthracene	18.044	178	11651	0.05 ng/uL#	93
77) Carbazole	18.371	167	5997	0.03 ng/uL#	79
79) Di-n-butyl Phthalate	19.035	149	35568	0.15 ng/uL#	86
80) Fluoroanthene	19.816	202	59269	0.26 ng/uL	97
~~82) Pyrene~~	~~20.102~~	~~202~~	~~64485~~	~~0.43 ng/uL#~~	~~89~~
83) Butyl Benzyl Phthalate	20.935	149	1848616	31.30 ng/uL	92
84) Bis(2-ethylhexyl) adipate	21.029	129	4264	0.14 ng/uL#	100
85) Benzo(a)anthracene	21.513	228	22927	0.20 ng/uL#	80
86) Chrysene	21.547	228	24580	0.22 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.559	149	2505411	33.13 ng/uL	93
88) Di-n-octyl Phthalate	22.229	149	13785m	0.44 ng/uL	
90) Benzo(b)fluoroanthene	22.707	252	12758	0.36 ng/uL#	65
91) Benzo(k)fluoranthene	22.737	252	7735	0.19 ng/uL	96
92) Benzo(a)pyrene	23.121	252	8777	0.26 ng/uL	100
93) Indeno(1,2,3-cd)pyrene	24.841	276	4538m	0.16 ng/uL	
94) Dibdenz(a,h)anthracene	24.870	278	2776	0.12 ng/uL	94
95) Benzo(g,h,i)Perylene	25.324	276	4430	0.18 ng/uL#	41

(#) = qualifier out of range (m) = manual integration (+) = signals summed

003445

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 07:53:21 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

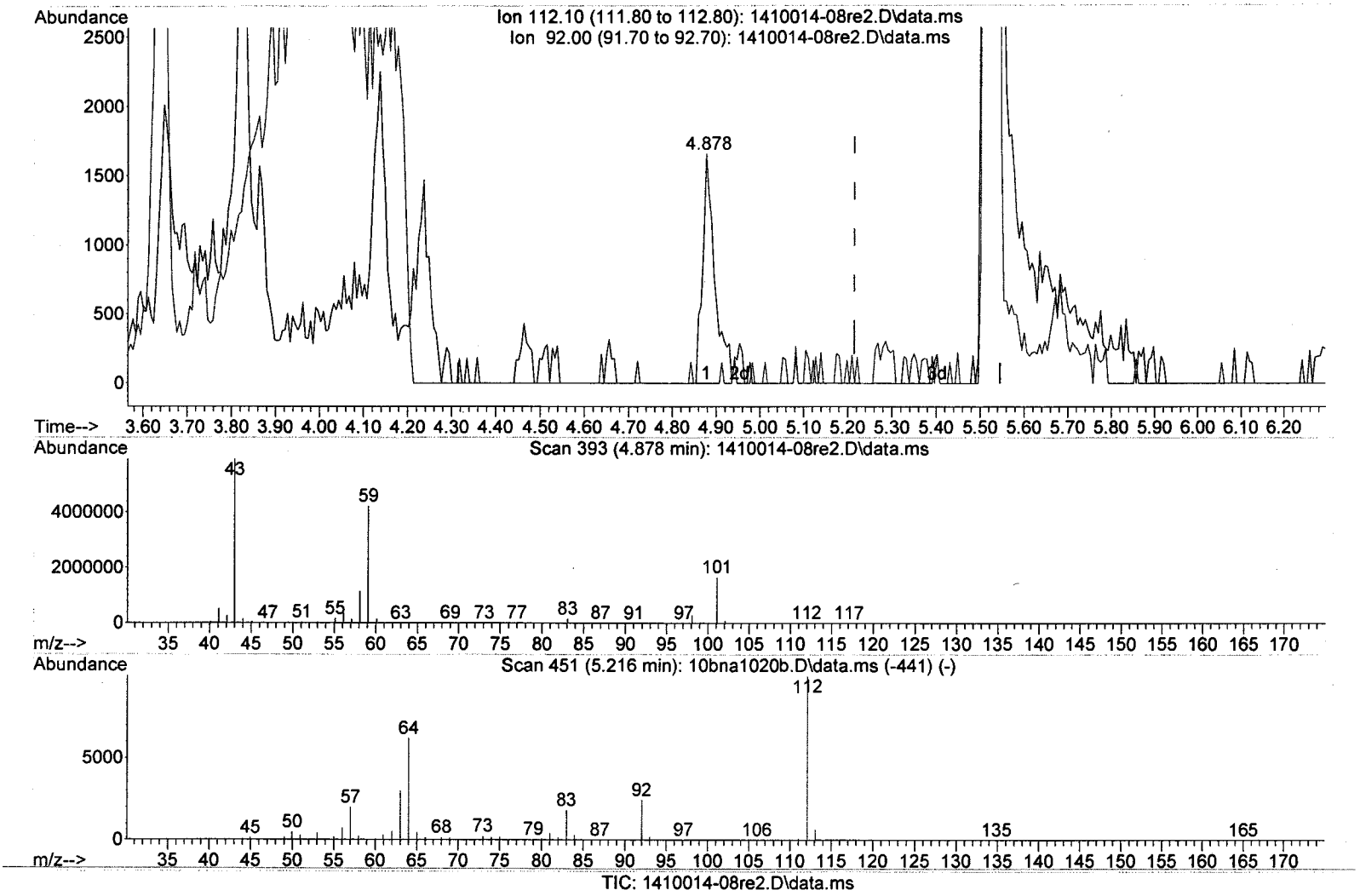
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.681	152	360789	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.380	136	1396052	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.489	164	822965	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1257278	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	629943	5.00	ng/uL	#	0.00
22) Perylene-d12	23.197	264	197467	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.263	74	148	0.00	ng/uL	#	1
3) Pyridine	3.176	79	255	0.00	ng/uL		88
4) Aniline	7.023	93	141	0.00	ng/uL	#	1
5) Benzaldehyde	6.789	105	3163	0.04	ng/uL	#	68
6) Acetophenone	8.503	105	3723	0.03	ng/uL	#	97
7) N-Nitroso-di-n-propyla...	8.200	70	748	0.01	ng/uL		97
9) 4-Chloroaniline	10.590	127	1177	0.02	ng/uL	#	34
10) Caprolactam	11.353	55	953	0.12	ng/uL	#	1
12) 1,1'-Biphenyl	13.166	154	2310	0.01	ng/uL	#	74
13) 2-Nitroaniline	13.399	138	121	0.01	ng/uL	#	56
14) 3-Nitroaniline	14.448	138	171	Below Cal		#	56
15) 4-Nitroaniline	15.905	138	344	Below Cal		#	38
17) N-Nitroso-diphenylamine	16.150	169	2428	0.02	ng/uL	#	78
18) Atrazine	17.800	200	178	Below Cal			88
20) Benzidine	20.003	184	25618	0.69	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.693	252	1869	0.05	ng/uL		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(4) 2-Fluorophenol (S)

4.878min (-0.338) 0.04 ng/uL

response 3222

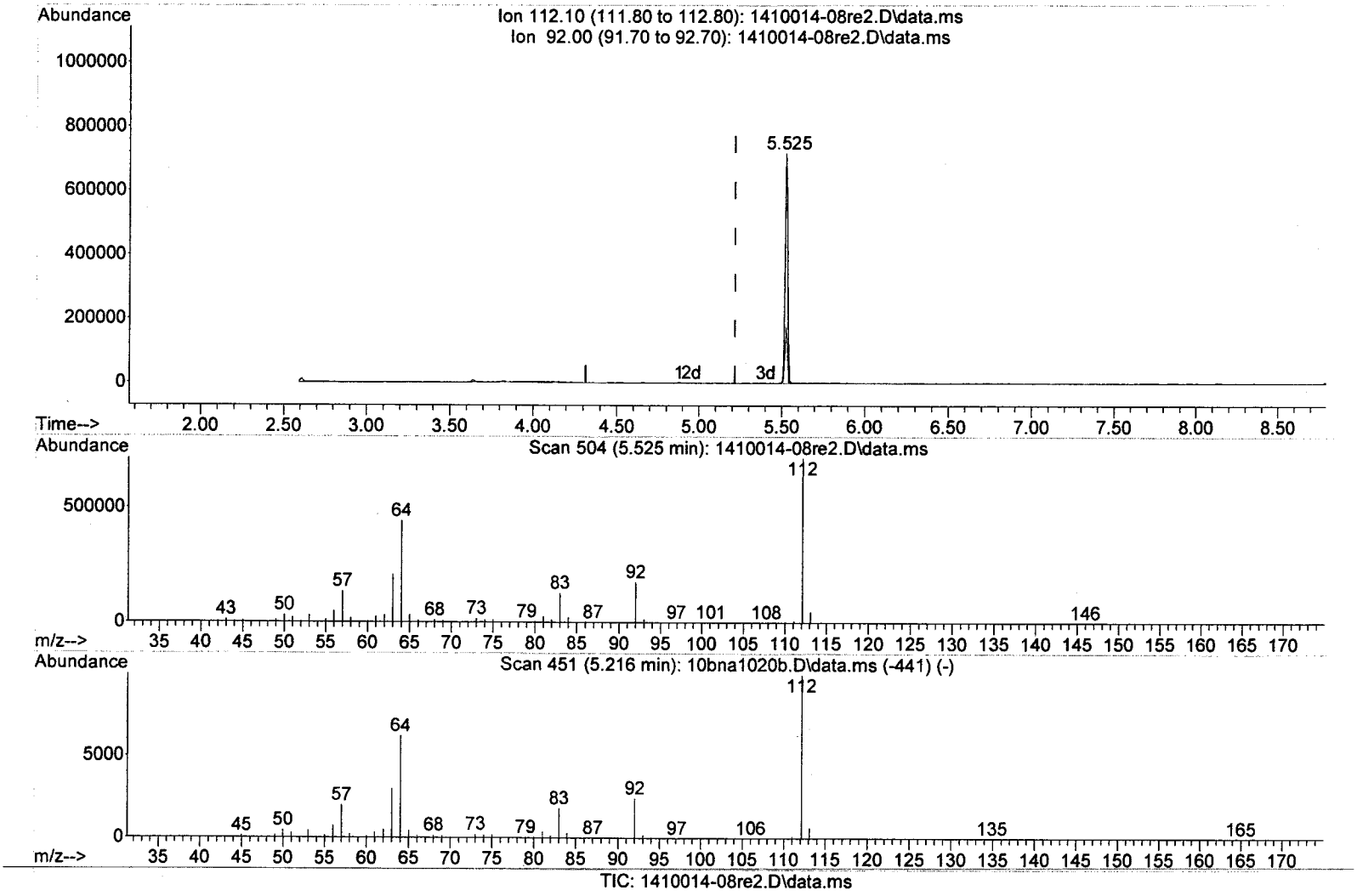
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

JWS 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(4) 2-Fluorophenol (S)

5.525min (+ 0.309) 9.63 ng/uL m

response 812790

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

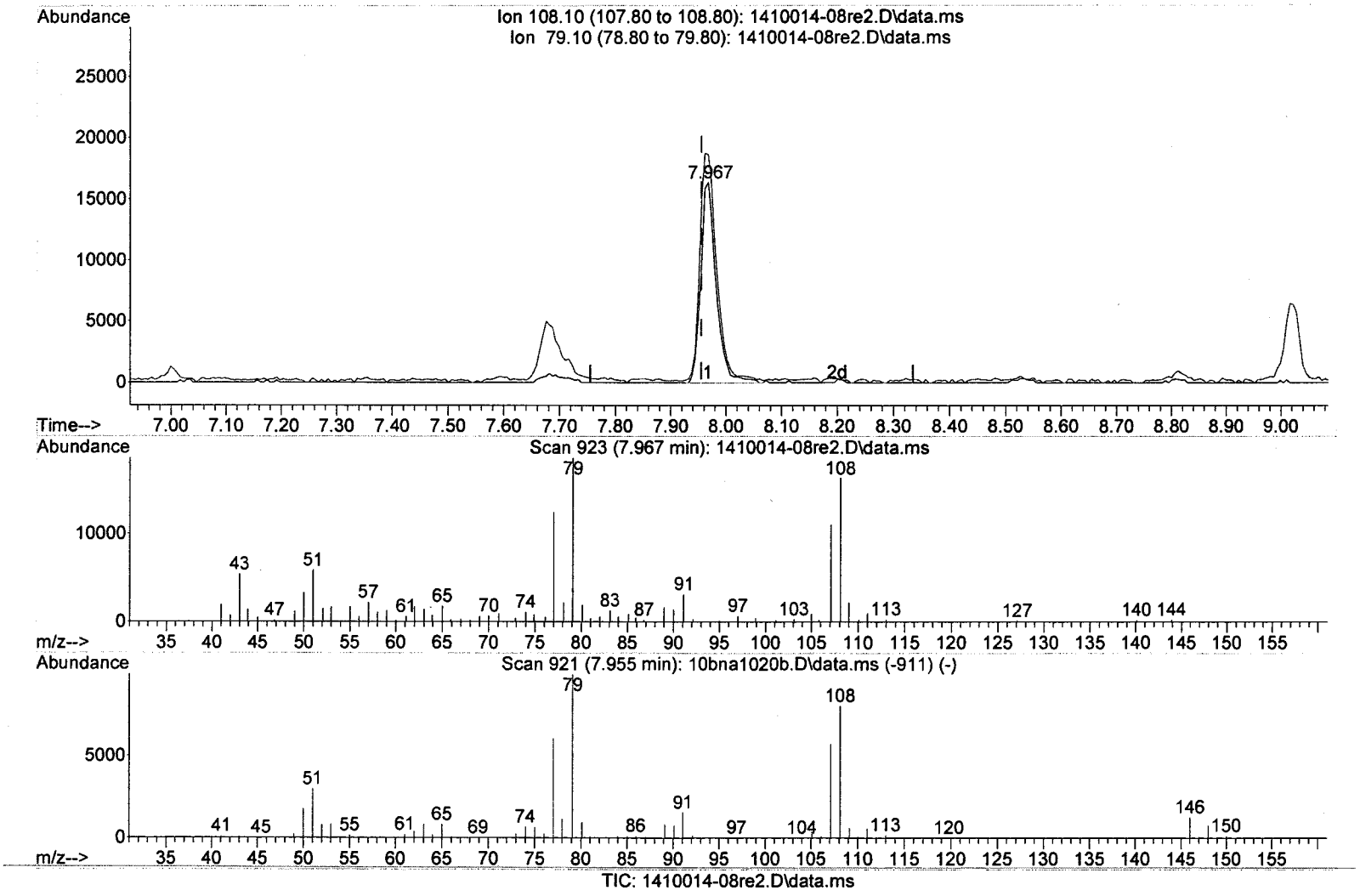
Analyst: JWS Date: 10/24/14

Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(14) Benzyl Alcohol

7.967min (+ 0.012) 0.50 ng/uL

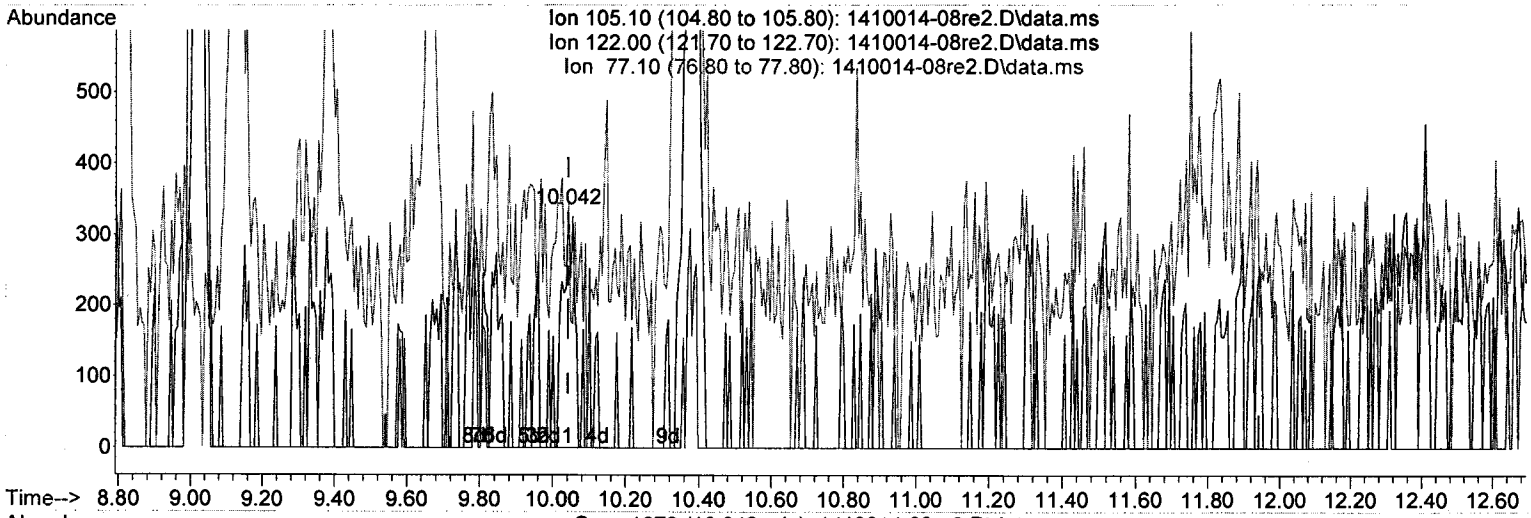
response 31517

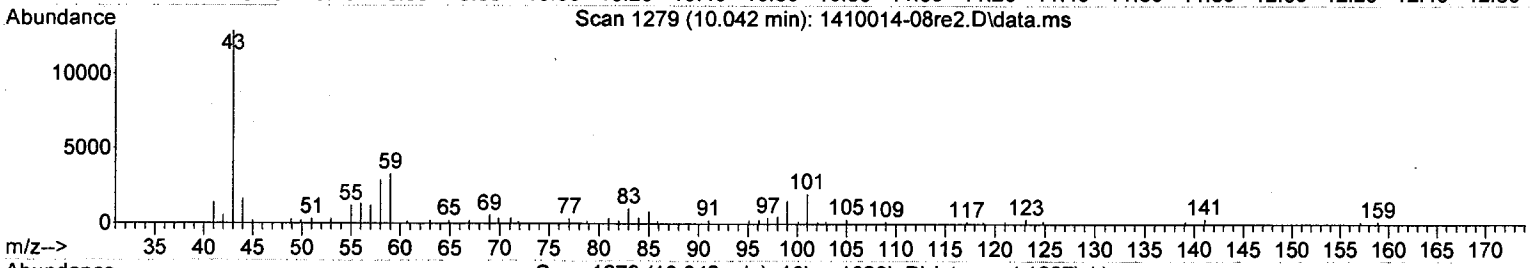
Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	133.58
0.00	0.00	0.00
0.00	0.00	0.00

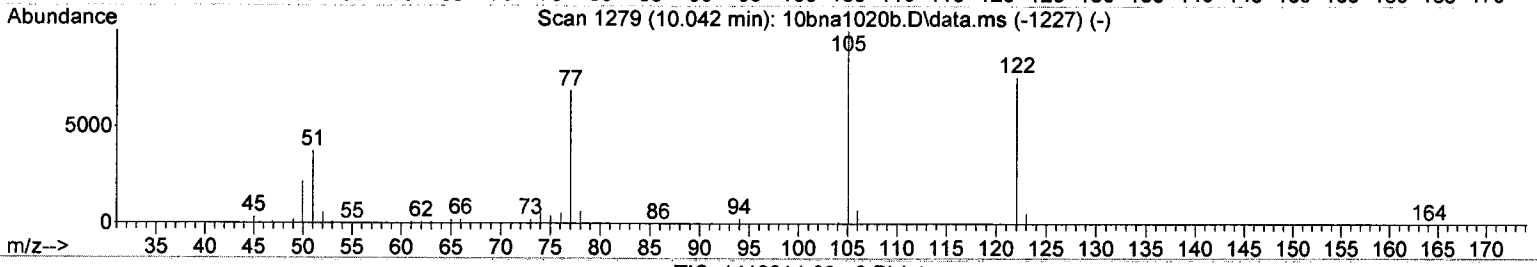
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410014-08re2.D\data.ms

(30) Benzoic Acid

10.042min (+ 0.000) 2.46 ng/uL

response 737

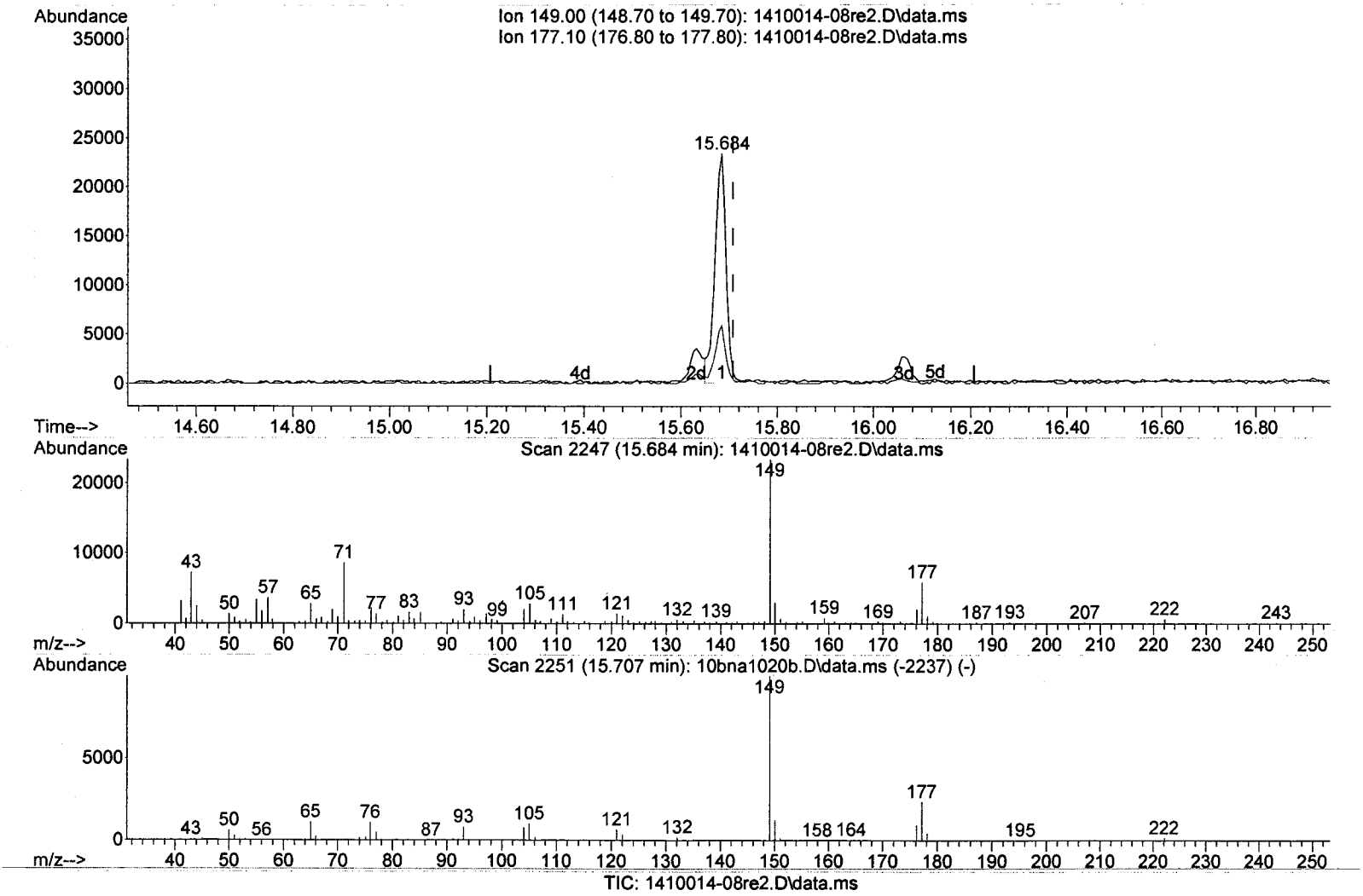
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	120.90#
0.00	0.00	0.00

PP

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(63) Diethyl Phthalate

15.684min (-0.023) 0.22 ng/uL

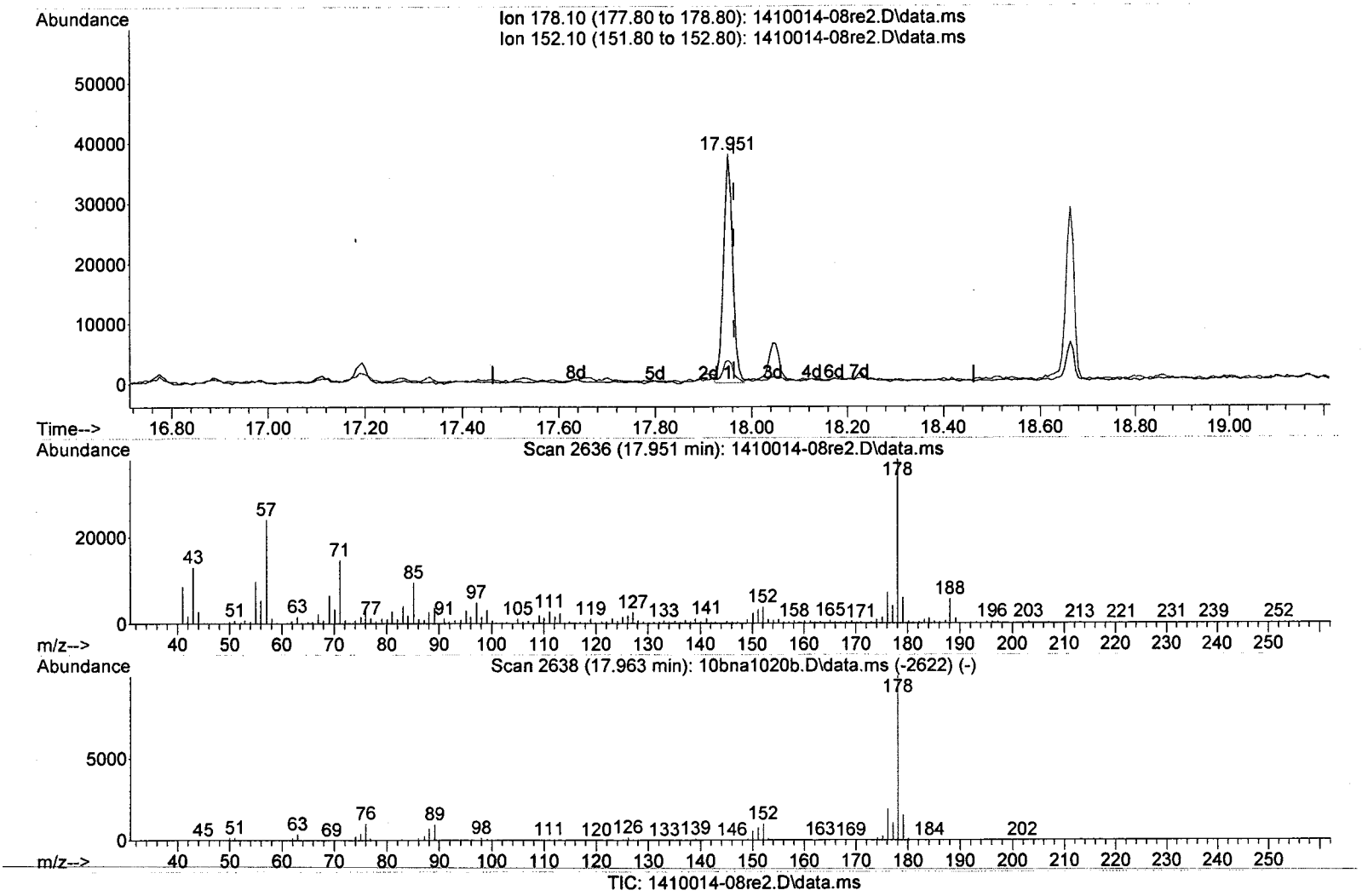
response 37501

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	24.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(75) Phenanthrene

17.951min (-0.012) 0.20 ng/uL

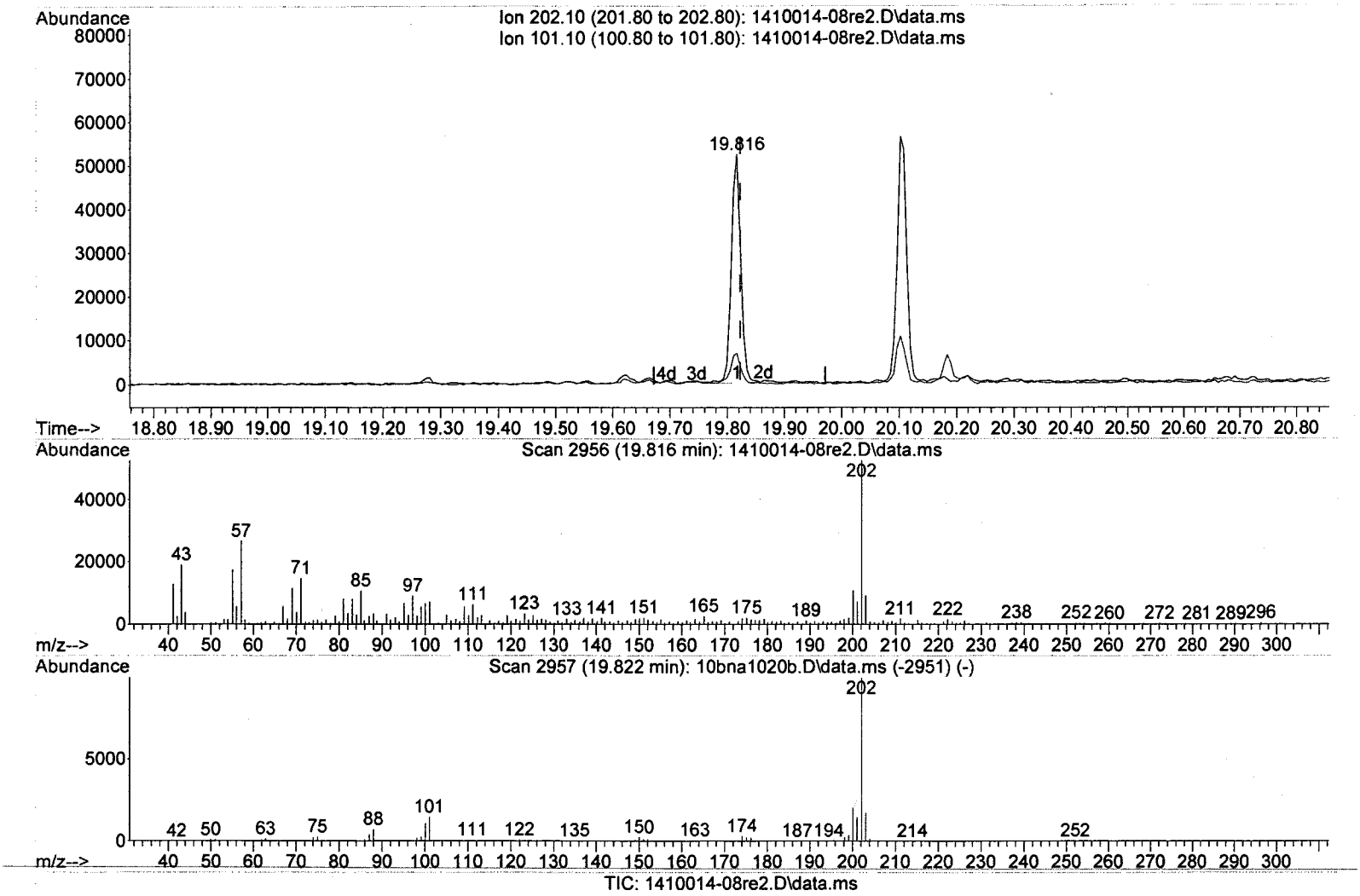
response 49792

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	11.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(80) Fluoroanthene (C)

19.816min (-0.006) 0.26 ng/uL

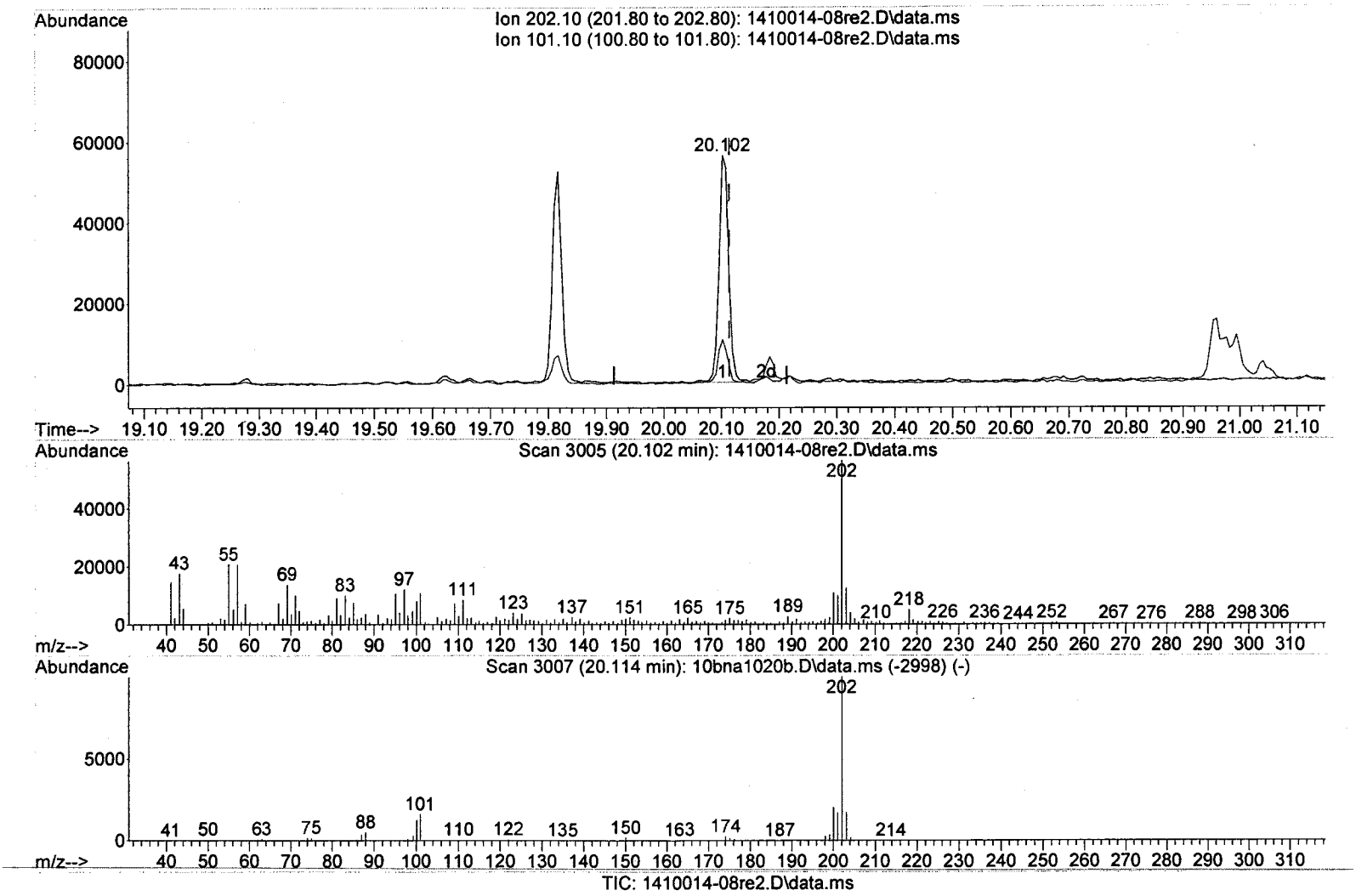
response 59269

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	15.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(82) Pyrene

20.102min (-0.012) 0.43 ng/uL

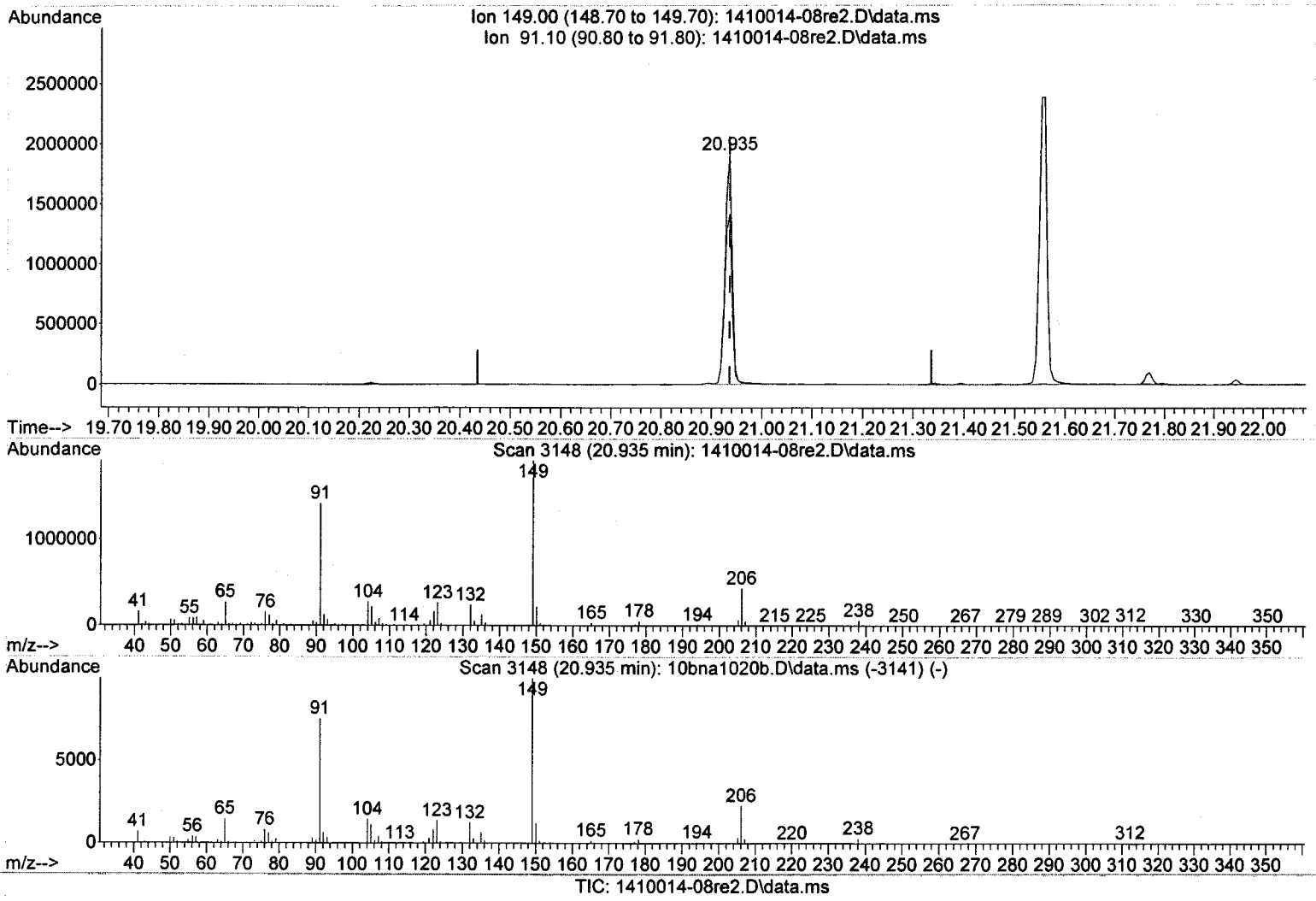
response 64485

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	20.74#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(83) Butyl Benzyl Phthalate

20.935min (+ 0.000) 31.30 ng/uL

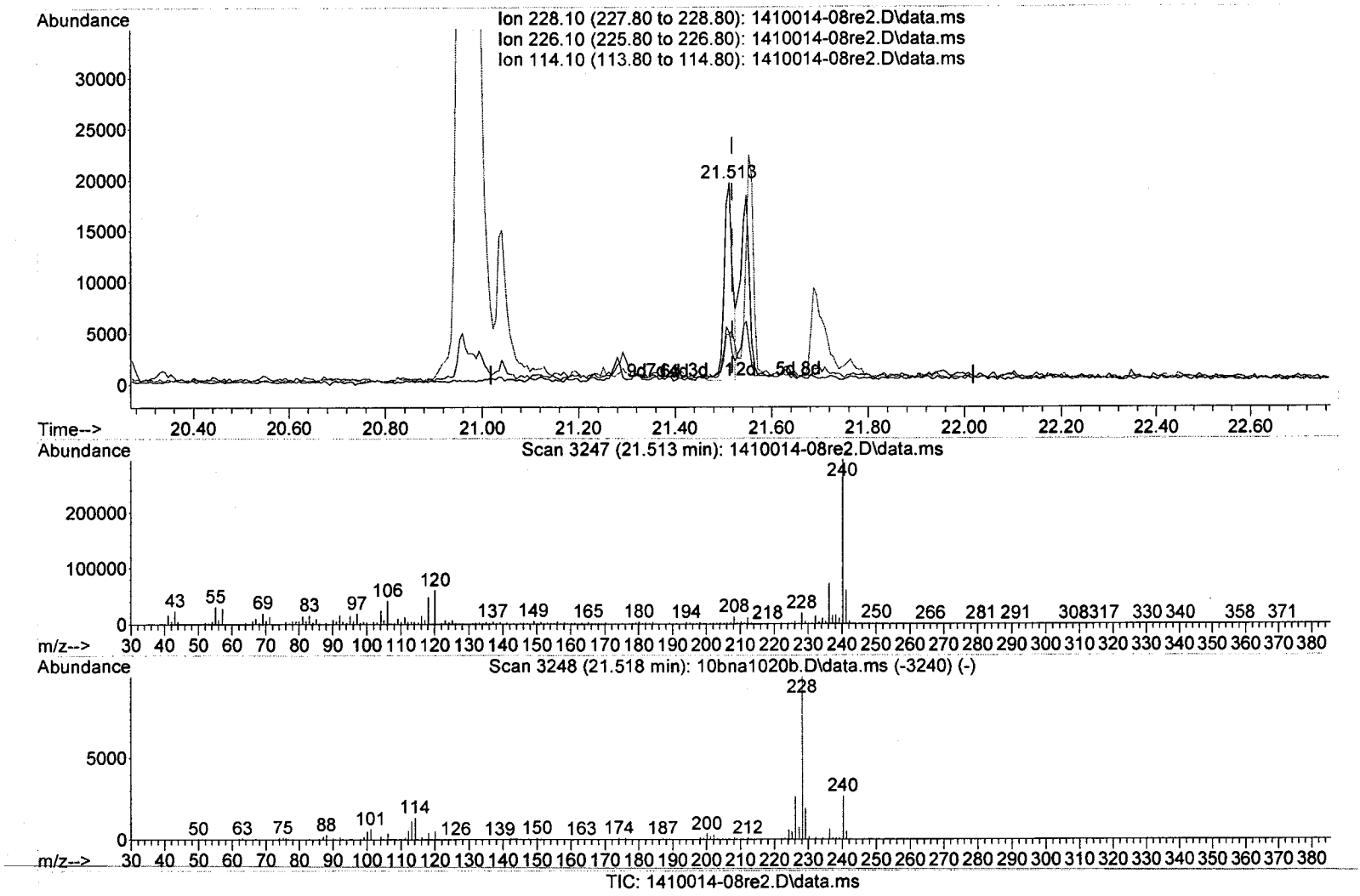
response 1848616

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	77.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(85) Benzo(a)anthracene

21.513min (-0.006) 0.20 ng/uL

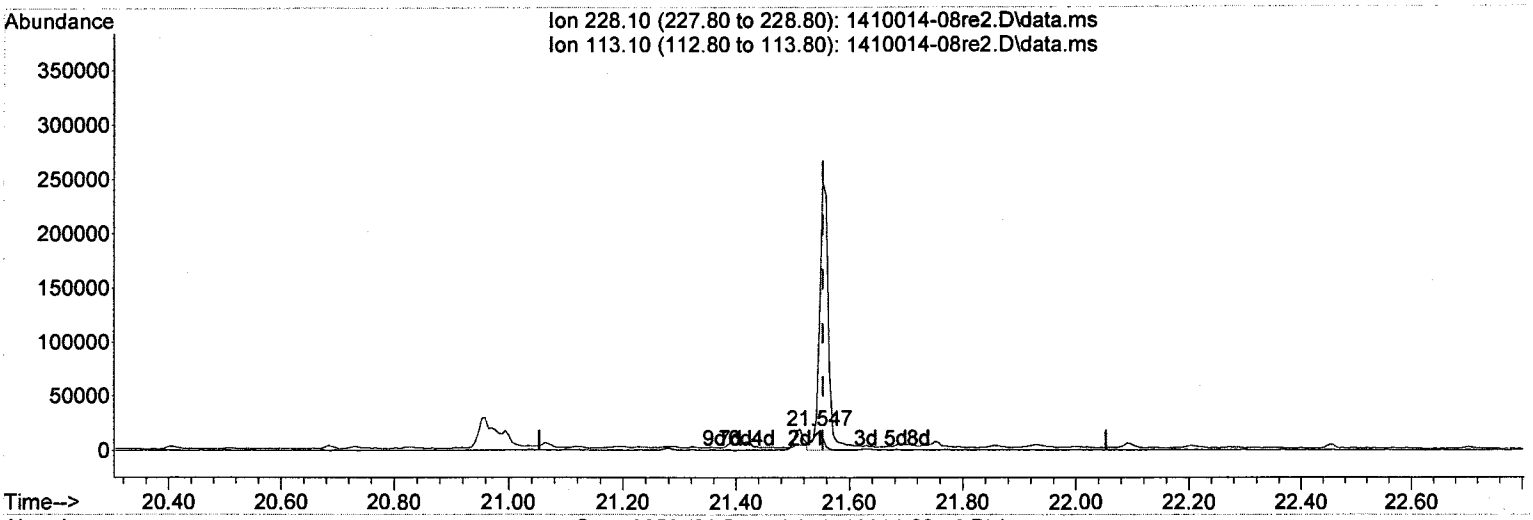
response 22927

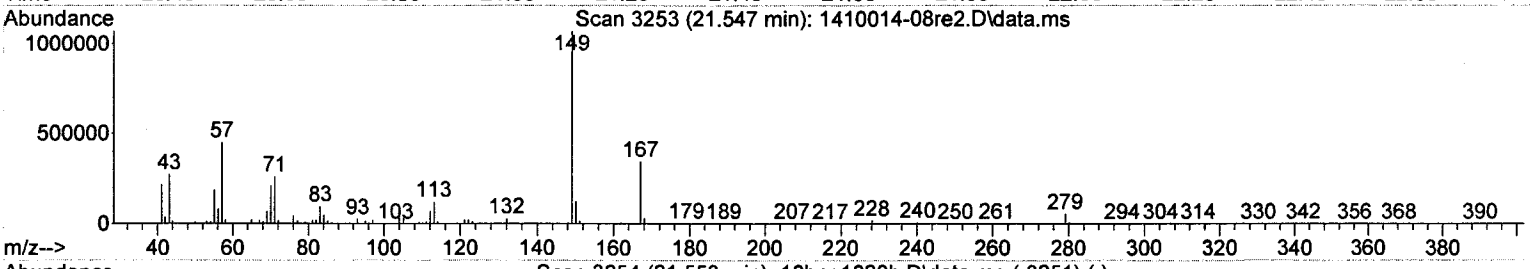
Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	25.75
114.10	13.30	36.25#
0.00	0.00	0.00

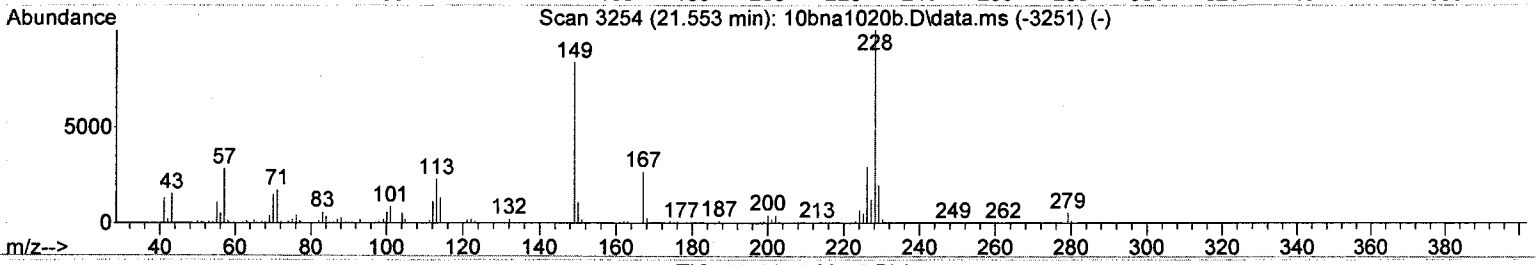
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410014-08re2.D\data.ms

(86) Chrysene

21.547min (-0.006) 0.22 ng/uL

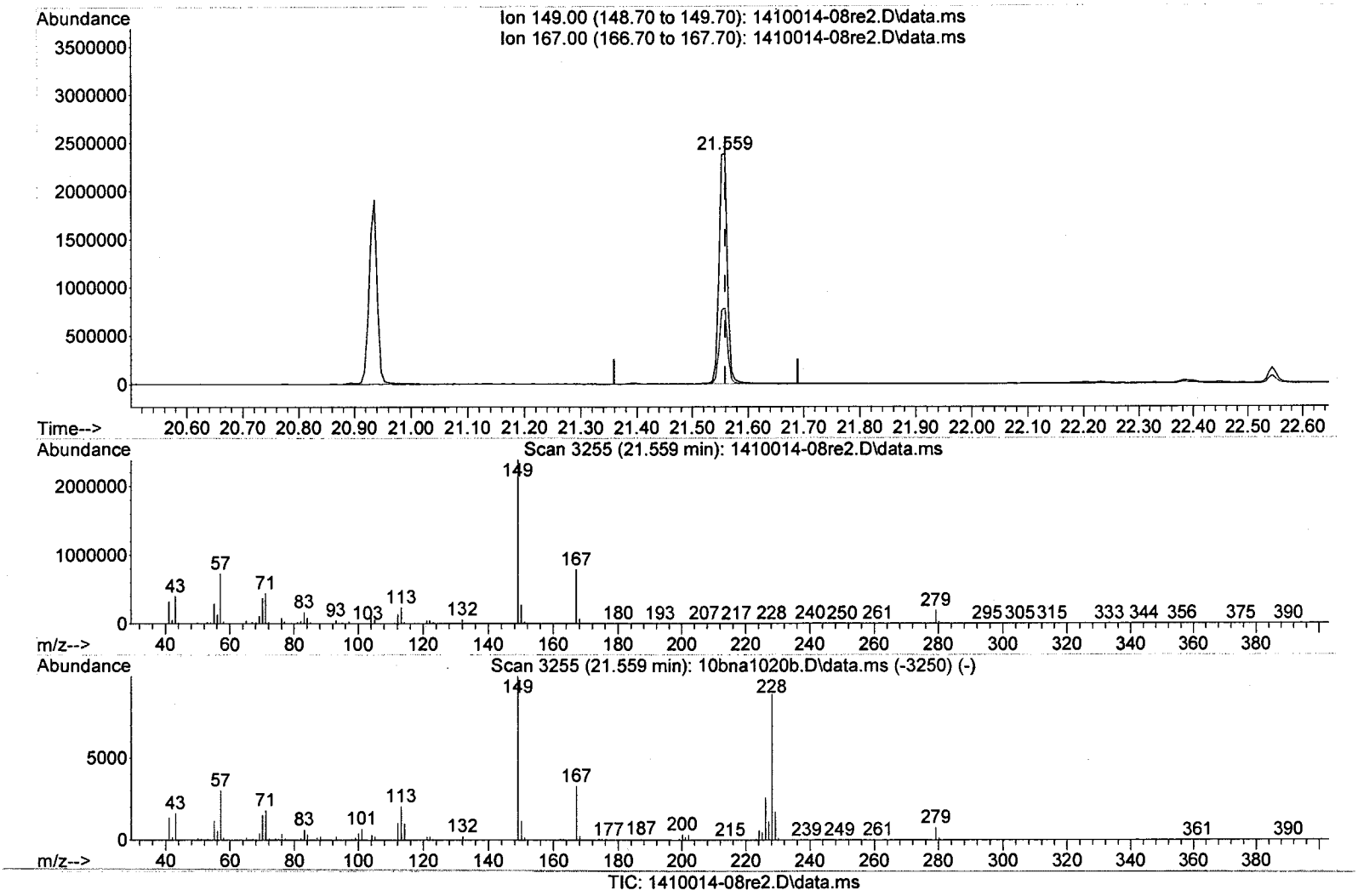
response 24580

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	1075.83#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.559min (+ 0.000) 33.13 ng/uL

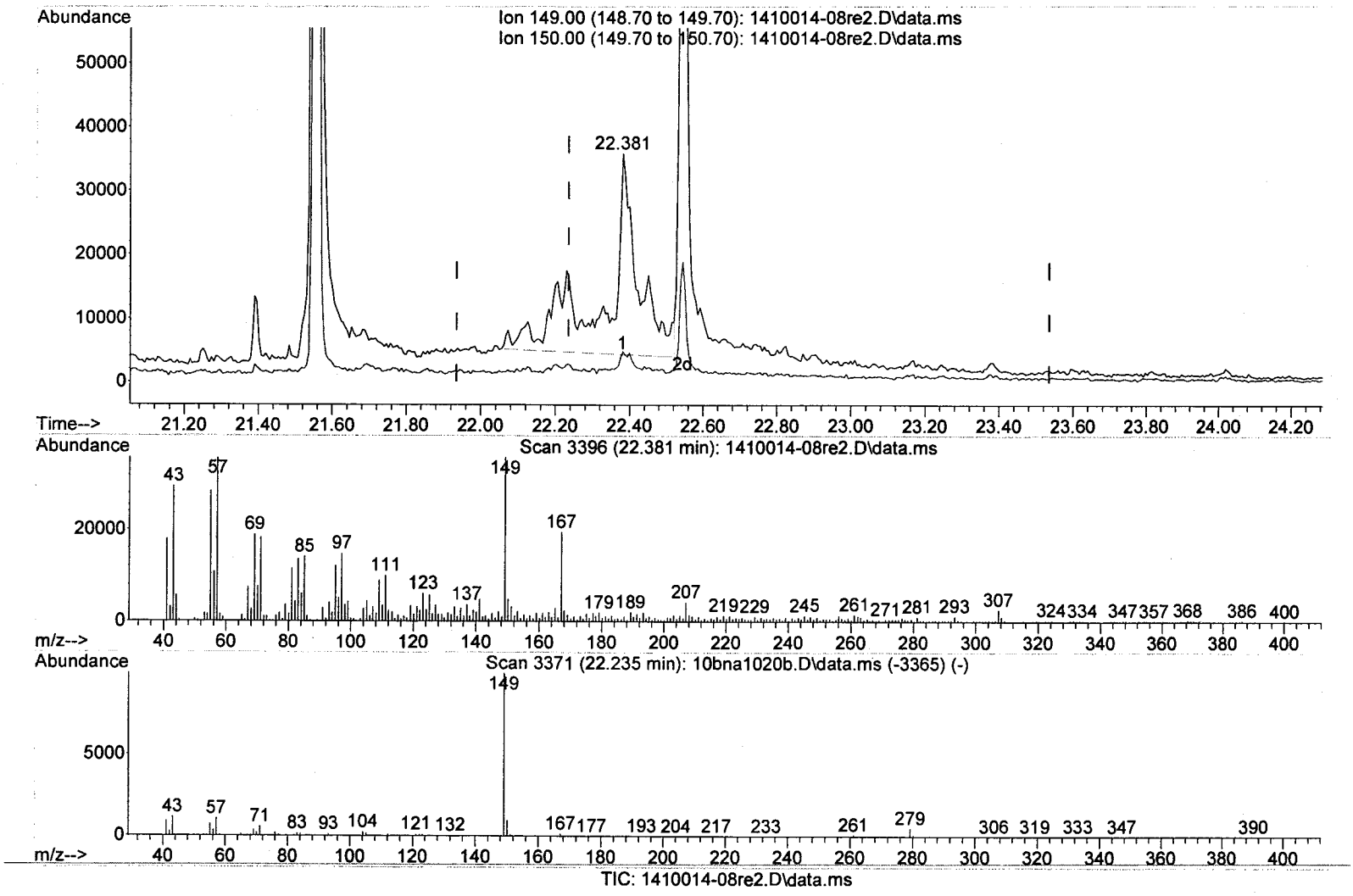
response 2505411

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.381min (+ 0.146) 1.75 ng/uL

response 196034

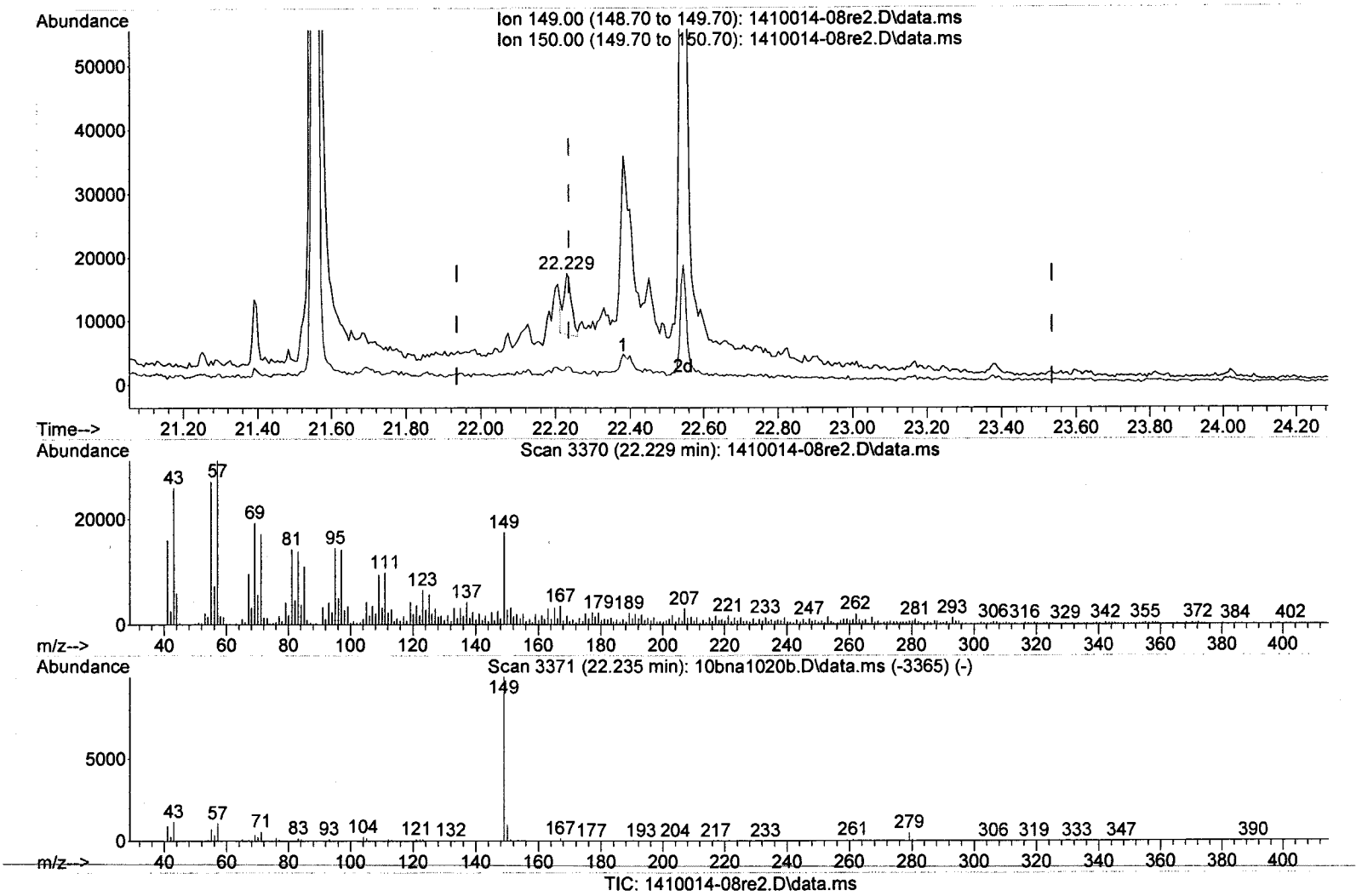
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	3.12#
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 0.44 ng/uL m

response 13785

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	44.40#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/21/14

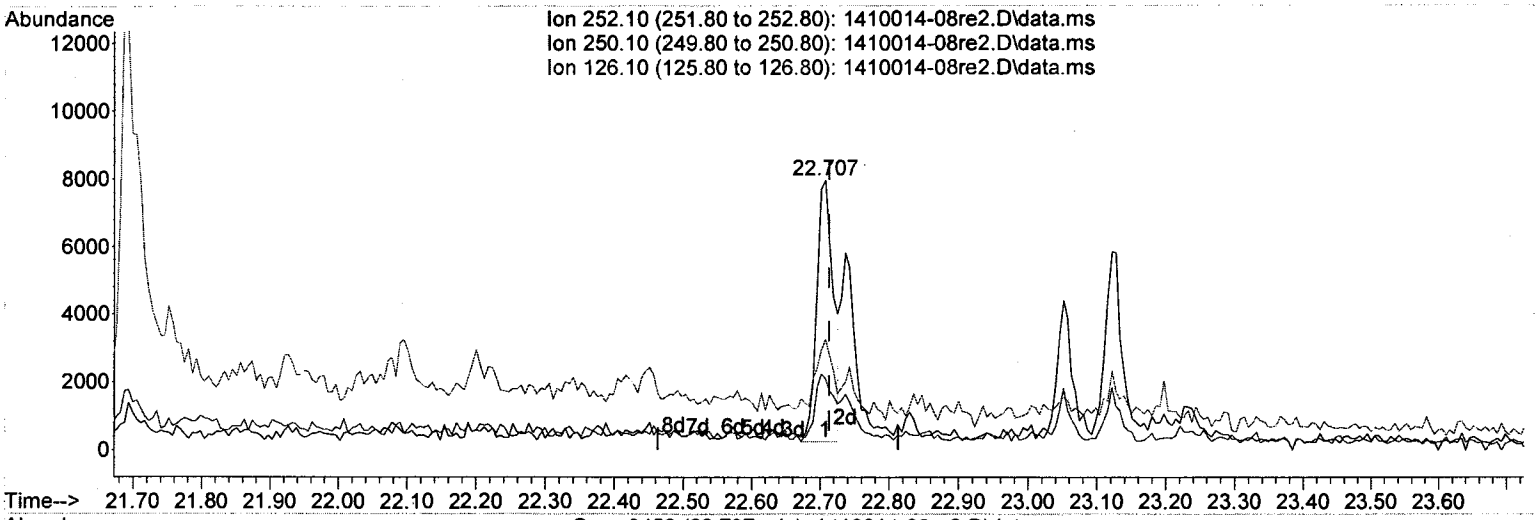
Reviewed By: ASC Date: 10/21/14

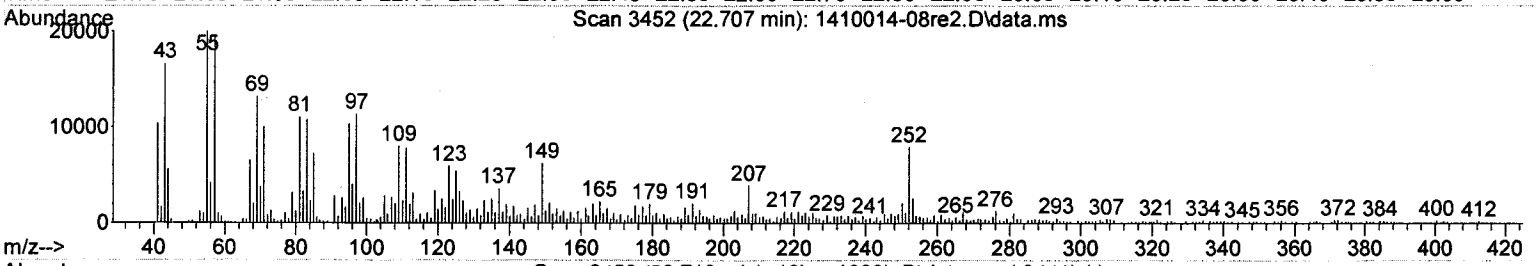
003460

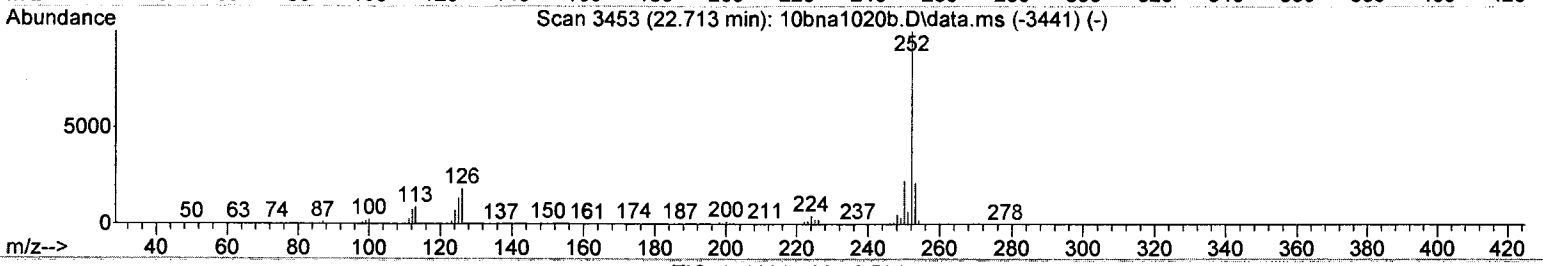
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410014-08re2.D\data.ms

(90) Benzo(b)fluoroanthene

22.707min (-0.006) 0.36 ng/uL

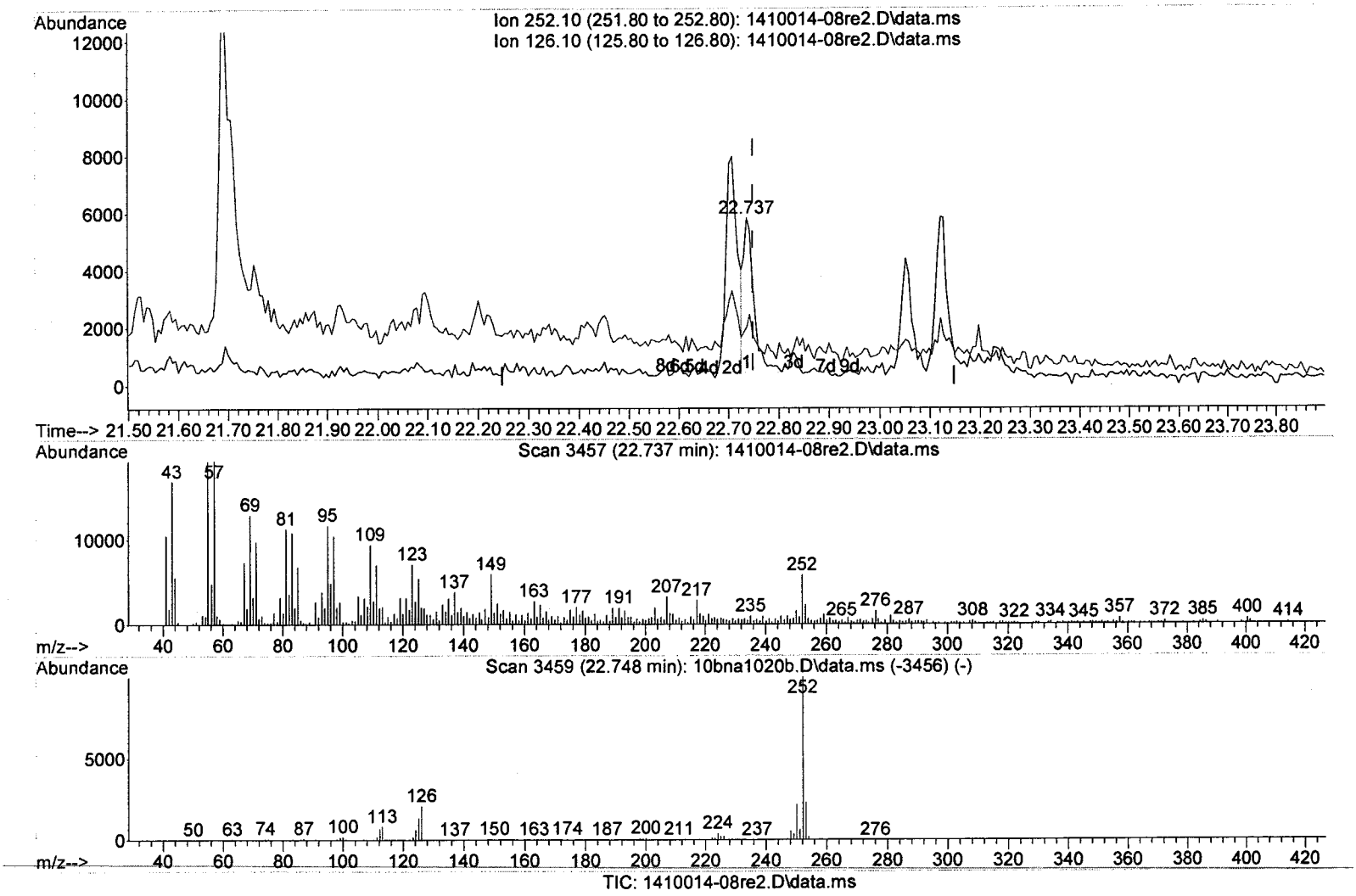
response 12758

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	44.33#
126.10	17.20	26.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(91) Benzo(k)fluoranthene

22.737min (-0.012) 0.19 ng/uL

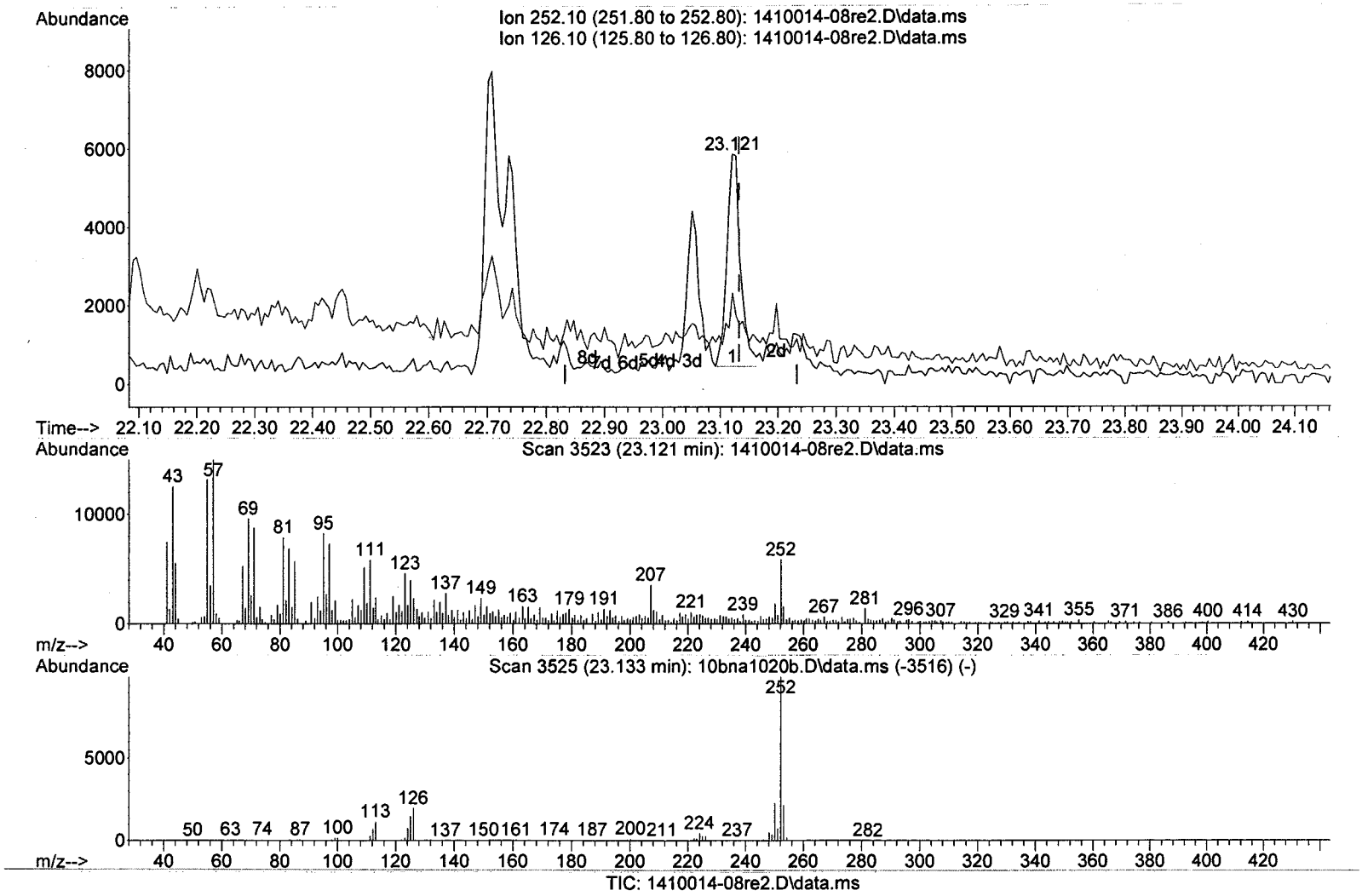
response 7735

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	20.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(92) Benzo(a)pyrene (C)

23.121min (-0.012) 0.26 ng/uL

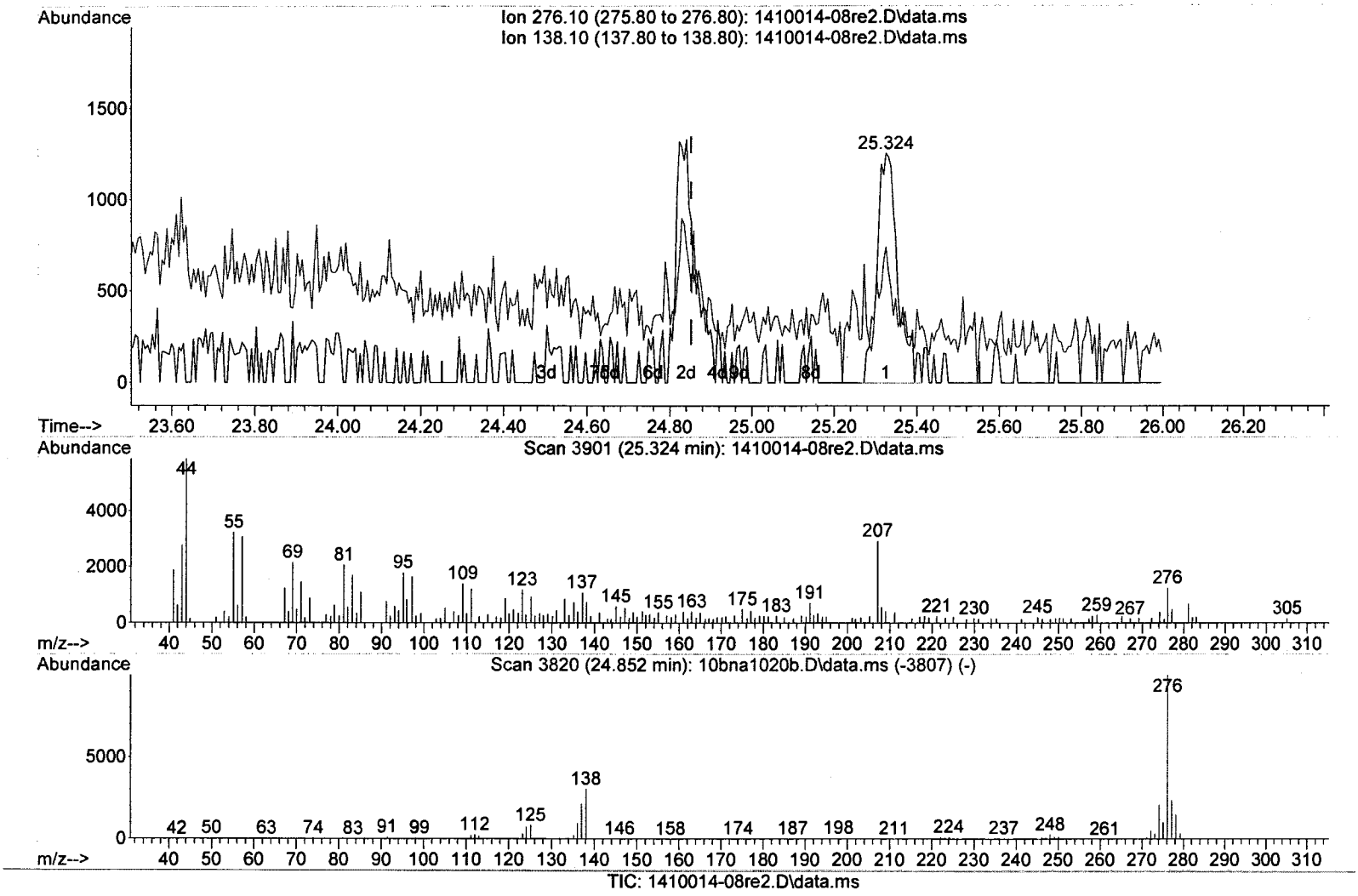
response 8777

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	19.53
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

25.324min (+ 0.472) 0.15 ng/uL

response 4430

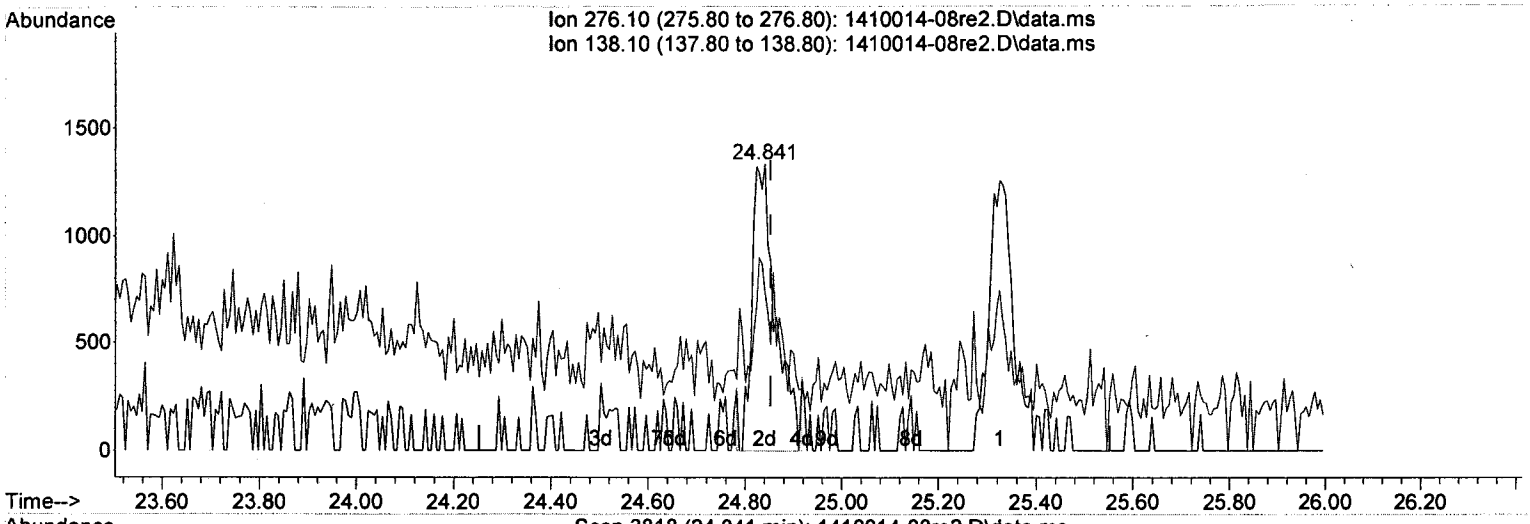
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	39.39#
0.00	0.00	0.00
0.00	0.00	0.00

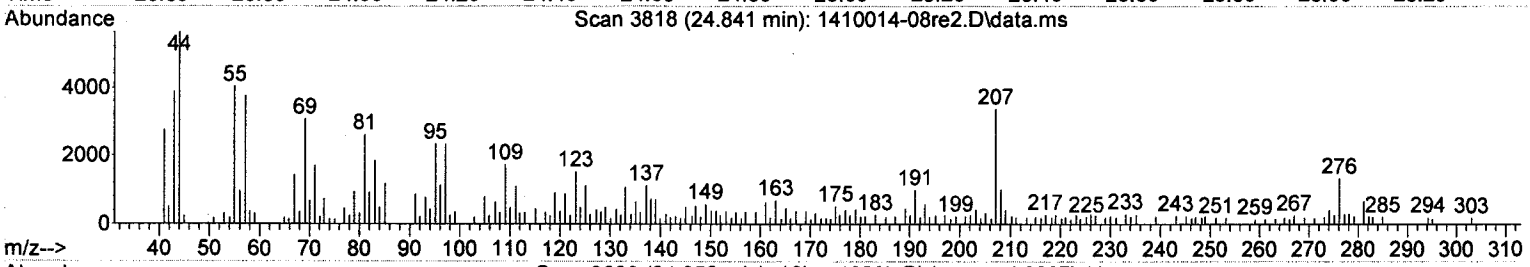
JLB 10/21/14

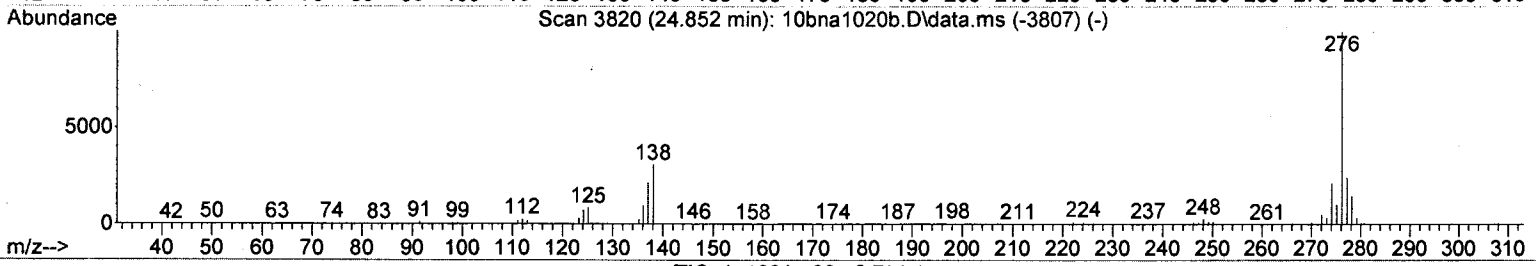
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410014-08re2.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.841min (-0.012) 0.16 ng/uL m

response 4538

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	38.45#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

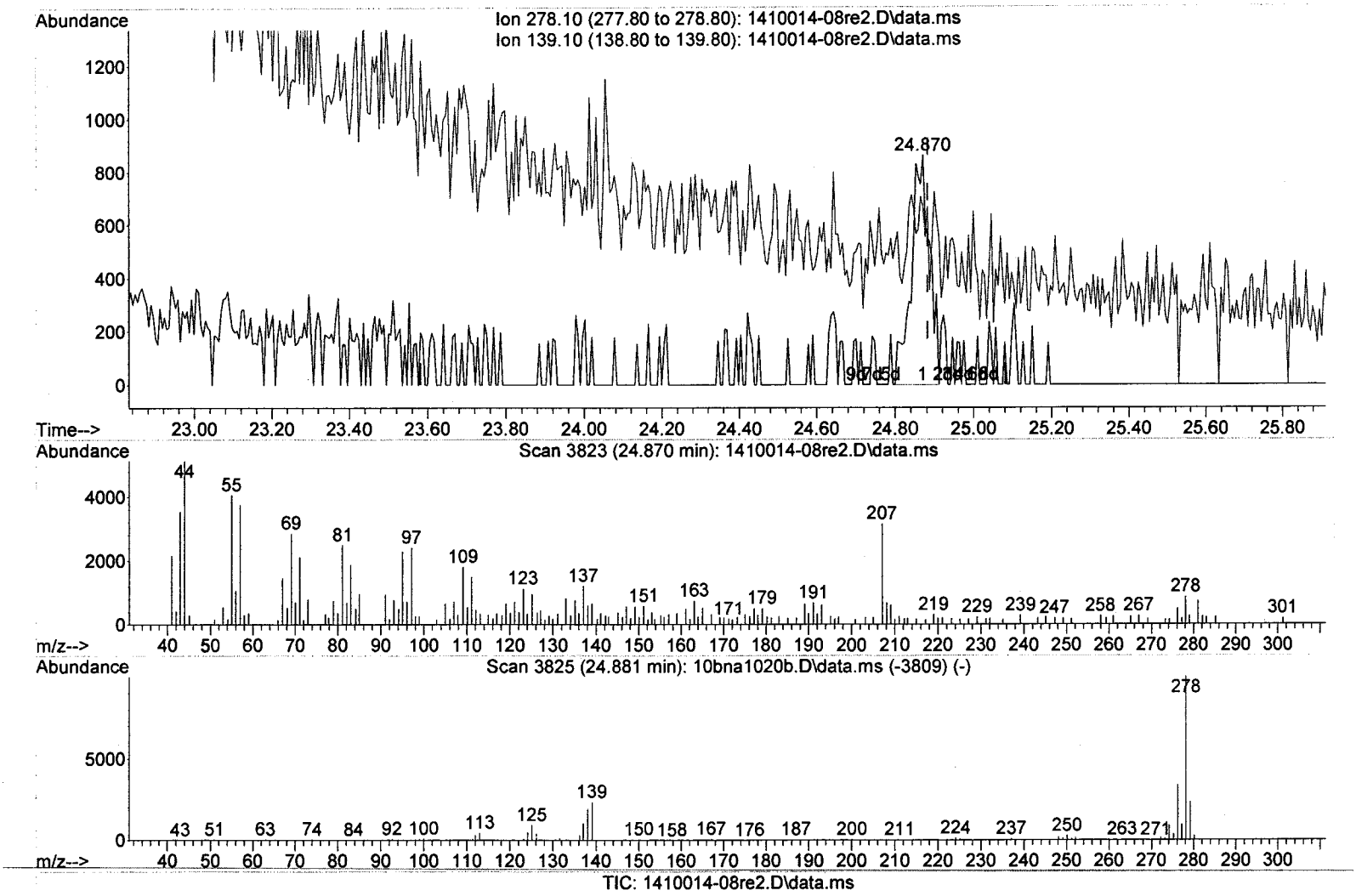
Analyst: JLB Date: 10/21/14

Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(94) Dibdenz(a,h)anthracene

24.870min (-0.012) 0.12 ng/uL

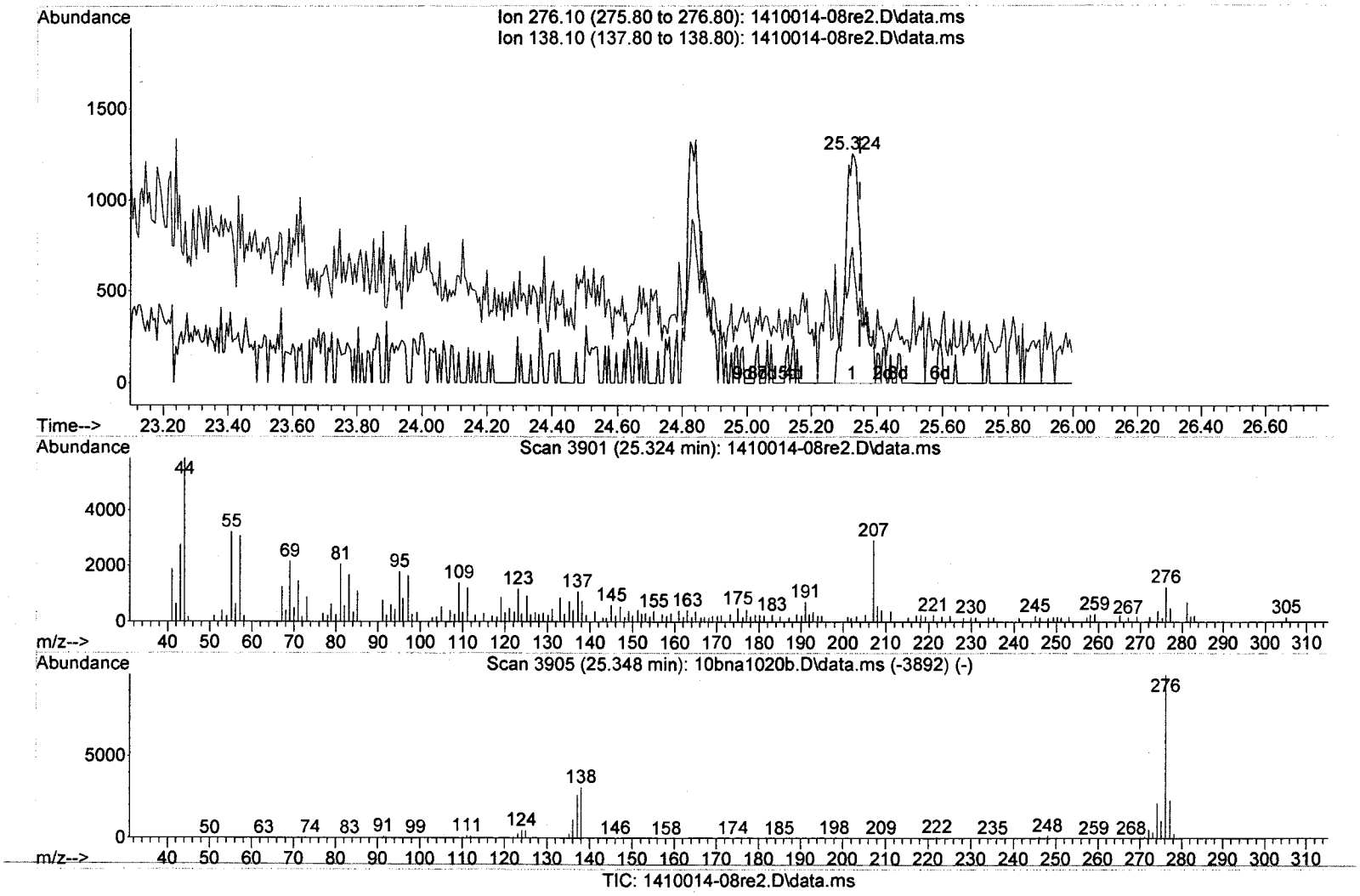
response 2776

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	14.52
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2.D
Acq On : 21 Oct 2014 3:18
Operator : JLB
Sample : 1410014-08re2 Inst : 339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 21 08:25:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2.D\data.ms

(95) Benzo(g,h,i)Perylene

25.324min (-0.023) 0.18 ng/uL

response 4430

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	57.63#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410014-08RE3 File ID: 1410014-08re2 20x.D

Sampled: 09/29/14 14:36 Prepared: 10/15/14 11:41 Analyzed: 10/20/14 20:54

Solids: 97.02 Preparation: 3550C Sonication Extract Initial/Final: 29.6 grams / 1 mL

QC Batch: 1410563 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	20	340	95	340	340	U
208-96-8	Acenaphthylene	20	340	86	340	340	U
120-12-7	Anthracene	20	340	83	340	340	U
56-55-3	Benzo(a)anthracene	20	170	57	170	340	U
50-32-8	Benzo(a)pyrene	20	56	47	170	340	J
205-99-2	Benzo(b)fluoranthene	20	56	39	170	340	J
207-08-9	Benzo(k)fluoranthene	20	56	40	170	340	J
191-24-2	Benzo(g,h,i)perylene	20	170	39	170	690	U
65-85-0	Benzoic Acid	20	3400	1400	3400	6900	U
100-51-6	Benzyl Alcohol	20	340	95	340	340	U
101-55-3	4-Bromophenyl Phenyl Ether	20	340	83	340	340	U
85-68-7	Butyl Benzyl Phthalate	20	820	82	340	690	
86-74-8	Carbazole	20	340	83	340	3400	U
59-50-7	4-Chloro-3-methylphenol	20	340	100	340	340	U
106-47-8	4-Chloroaniline	20	340	180	340	1400	U
111-91-1	Bis(2-chloroethoxy)methane	20	340	83	340	340	U
111-44-4	Bis(2-chloroethyl) Ether	20	340	81	340	340	U
108-60-1	Bis(2-chloroisopropyl) Ether	20	170	76	170	340	U
91-58-7	2-Chloronaphthalene	20	340	100	340	340	U
95-57-8	2-Chlorophenol	20	340	81	340	340	U
7005-72-3	4-Chlorophenyl Phenyl Ether	20	340	78	340	340	U
218-01-9	Chrysene	20	340	80	340	340	U
53-70-3	Dibenz(a,h)anthracene	20	170	39	170	690	U
132-64-9	Dibenzofuran	20	340	100	340	340	U
84-74-2	Di-n-butyl Phthalate	20	690	280	690	1400	U
106-46-7	1,4-Dichlorobenzene	20	340	99	340	340	U
95-50-1	1,2-Dichlorobenzene	20	340	110	340	340	U
541-73-1	1,3-Dichlorobenzene	20	340	120	340	340	U
91-94-1	3,3´-Dichlorobenzidine	20	14000	5700	14000	17000	U
120-83-2	2,4-Dichlorophenol	20	340	84	340	690	U
84-66-2	Diethyl Phthalate	20	340	100	340	340	U
105-67-9	2,4-Dimethylphenol	20	2700	750	2700	3400	U
131-11-3	Dimethyl Phthalate	20	340	97	340	340	U
534-52-1	4,6-Dinitro-2-methylphenol	20	1400	440	1400	3400	U
51-28-5	2,4-Dinitrophenol	20	3400	1200	3400	3400	U
606-20-2	2,6-Dinitrotoluene	20	170	83	170	340	U
121-14-2	2,4-Dinitrotoluene	20	170	68	170	690	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-08RE3
File ID: 1410014-08re2 20x.D
Sampled: 09/29/14 14:36
Prepared: 10/15/14 11:41
Analyzed: 10/20/14 20:54
Solids: 97.02
Preparation: 3550C Sonication Extract
Initial/Final: 29.6 grams / 1 mL
QC Batch: 1410563
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	20	280	80	340	340	JB
122-66-7	1,2-Diphenylhydrazine	20	170	69	170	340	U
117-81-7	Bis(2-ethylhexyl) Phthalate	20	950	240	340	690	B
206-44-0	Fluoranthene	20	340	92	340	340	U
86-73-7	Fluorene	20	340	83	340	690	U
118-74-1	Hexachlorobenzene	20	340	98	340	340	U
87-68-3	Hexachlorobutadiene	20	340	94	340	340	U
67-72-1	Hexachloroethane	20	340	100	340	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	20	170	55	170	690	U
78-59-1	Isophorone	20	340	79	340	340	U
91-57-6	2-Methylnaphthalene	20	340	94	340	340	U
108-39-4	3+4-Methylphenol	20	170	76	170	340	U
95-48-7	2-Methylphenol	20	170	73	170	340	U
91-20-3	Naphthalene	20	340	120	340	340	U
100-01-6	4-Nitroaniline	20	1400	510	1400	6800	U
88-74-4	2-Nitroaniline	20	170	74	170	340	U
99-09-2	3-Nitroaniline	20	690	340	690	6800	U
98-95-3	Nitrobenzene	20	340	95	340	340	U
88-75-5	2-Nitrophenol	20	340	92	340	340	U
100-02-7	4-Nitrophenol	20	6900	2100	6900	14000	U
62-75-9	N-Nitroso-dimethylamine	20	140	68	140	690	U
86-30-6	N-Nitroso-diphenylamine	20	170	71	170	340	U
621-64-7	N-Nitroso-di-n-propylamine	20	340	83	340	340	U
87-86-5	Pentachlorophenol	20	340	270	340	3400	U
85-01-8	Phenanthrene	20	340	84	340	340	U
108-95-2	Phenol	20	340	80	340	3400	U
129-00-0	Pyrene	20	340	89	340	340	U
120-82-1	1,2,4-Trichlorobenzene	20	340	91	340	340	U
95-95-4	2,4,5-Trichlorophenol	20	340	93	340	340	U
88-06-2	2,4,6-Trichlorophenol	20	170	52	170	340	U

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	347940	7.646	403279	7.614	
Naphthalene-d8	1340251	10.386	1529030	10.359	
Acenaphthene-d10	721036	14.495	866604	14.474	
Phenanthrene-d10	1088113	17.91	1400442	17.901	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410014-08RE3
File ID: 1410014-08re2 20x.D
Sampled: 09/29/14 14:36
Prepared: 10/15/14 11:41
Analyzed: 10/20/14 20:54
Solids: 97.02
Preparation: 3550C Sonication Extract
Initial/Final: 29.6 grams / 1 mL
QC Batch: 1410563
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

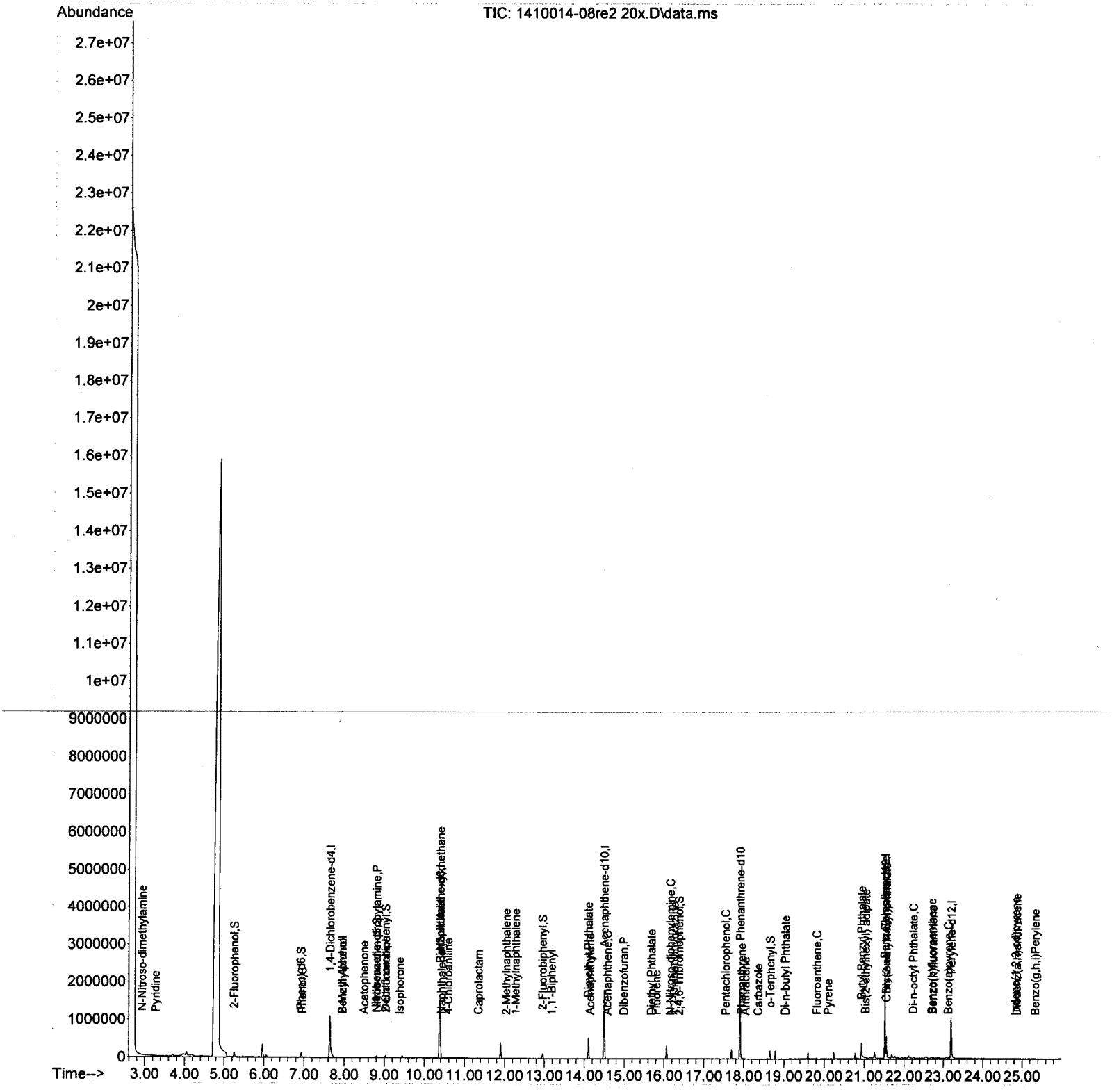
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
Chrysene-d12	828821	21.518	1153654	21.538	
Perylene-d12	590700	23.197	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2 20x.D
Acq On : 20 Oct 2014 20:54
Operator : JLB
Sample : 1410014-08re2 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 21 08:02:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



003471

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2 20x.D
Acq On : 20 Oct 2014 20:54
Operator : JLB
Sample : 1410014-08re2 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

RE3

Quant Time: Oct 21 08:02:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.646	152	347940	5.00 ng/uL	# 0.00
20) Naphthalene-d8	10.386	136	1340251	5.00 ng/uL	0.00
42) Acenaphthene-d10	14.495	164	721036	5.00 ng/uL	0.00
66) Phenanthrene-d10	17.910	188	1088113	5.00 ng/uL	0.00
81) Chrysene-d12	21.518	240	828821	5.00 ng/uL	#-0.01
89) Perylene-d12	23.197	264	590700	5.00 ng/uL	# 0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.256	112	62924	0.79 ng/uL	0.04
6) Phenol-d6	6.923	99	88699	0.86 ng/uL	-0.02
21) Nitrobenzene-d5	8.800	82	32628	0.38 ng/uL	-0.02
23) Decafluorobiphenyl	9.028	334	24948	0.42 ng/uL	0.00
47) 2-Fluorobiphenyl	12.956	172	70158	0.47 ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.378	330	400	0.02 ng/uL	0.00
78) o-Terphenyl	18.662	230	48365	0.52 ng/uL	0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	2.931	74	82	0.00 ng/uL#	1
3) Pyridine	3.269	79	160	0.00 ng/uL#	25
5) Aniline	0.000		0	N.D.	
7) Phenol	6.958	94	167	0.00 ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.	
9) 2-Chlorophenol	0.000		0	N.D.	
10) 1,3-Dichlorobenzene	0.000		0	N.D.	
11) 1,4-Dichlorobenzene	0.000		0	N.D.	
12) 1,2-Dichlorobenzene	0.000		0	N.D.	
13) Bis(2-chloroisipropyl)...	0.000		0	N.D.	
14) Benzyl Alcohol	7.949	108	1176	0.02 ng/uL	83
15) 2-Methylphenol	7.949	108	1176	0.01 ng/uL#	73
16) Acetophenone	8.497	105	127	0.00 ng/uL#	49
17) Hexachloroethane	0.000		0	N.D.	
18) 4-Methylphenol	0.000		0	N.D.	
19) N-Nitroso-di-n-propyla...	8.800	70	4320	0.07 ng/uL#	37
~~22) Nitrobenzene~~	~~8.794~~	~~77~~	~~54~~	~~0.00 ng/uL#~~	~~1~~
24) Isophorone	9.389	82	536	0.00 ng/uL#	58
25) 2-Chloroaniline	9.033	127	245	0.00 ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.	
27) 2,4-Dimethylphenol	0.000		0	N.D.	
28) Bis(2-chlorethoxy)methane	10.392	93	523	0.01 ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.	
30) Benzoic Acid	10.392	105	2021	RJ ~~2.48~~ ng/uL#	1
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
32) Naphthalene	10.426	128	295	0.00 ng/uL#	1
33) 4-Chloroaniline	10.590	127	148	0.00 ng/uL#	27
34) 2,6-Dichlorophenol	0.000		0	N.D.	
35) Hexachlorobutadiene	0.000		0	N.D.	
36) Caprolactam	11.353	55	107	0.00 ng/uL#	21
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.	
38) 4-Chloro-3-methylphenol	0.000		0	N.D.	
39) 2-Methylnaphthalene	12.041	142	231	0.00 ng/uL#	17
40) 1-Methylnaphthalene	12.274	142	162	0.00 ng/uL#	41
41) 1,3 Dinitrobenzene	0.000		0	N.D.	

003472

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2 20x.D
Acq On : 20 Oct 2014 20:54
Operator : JLB
Sample : 1410014-08re2 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 21 08:02:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	0.000		0	N.D.	
49) 1,1'-Biphenyl	13.178	154	114	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.139	152	56	0.00 ng/uL#	1
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	14.099	163	252	0.00 ng/uL#	53
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.571	153	113	0.00 ng/uL#	59
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.984	168	254	0.00 ng/uL#	37
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.806	166	141	0.00 ng/uL#	11
63) Diethyl Phthalate	15.684	149	1502	0.01 ng/uL	93
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.	
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.162	169	109	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	16.261	182	55	0.00 ng/uL#	1
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.543	266	118	0.01 ng/uL#	22
75) Phenanthrene	17.951	178	2478	0.01 ng/uL#	79
76) Anthracene	18.044	178	569	0.00 ng/uL#	78
77) Carbazole	18.365	167	1147	0.01 ng/uL#	80
79) Di-n-butyl Phthalate	19.035	149	1596	0.01 ng/uL#	84
80) Fluoroanthene	19.816	202	3277	0.02 ng/uL#	71
82) Pyrene	20.102	202	3680	0.02 ng/uL	95
83) Butyl Benzyl Phthalate	20.930	149	91407	1.18 ng/uL	93
84) Bis(2-ethylhexyl) adipate	21.029	129	2811	0.11 ng/uL#	100
85) Benzo(a)anthracene	21.513	228	9694	0.06 ng/uL#	47
86) Chrysene	21.548	228	8031	0.05 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.553	149	134932	1.36 ng/uL	93
88) Di-n-octyl Phthalate	22.235	149	10717m	0.40 ng/uL	
90) Benzo(b)fluoroanthene	22.702	252	8099	0.08 ng/uL#	83
91) Benzo(k)fluoranthene	22.737	252	10197	0.08 ng/uL	96
92) Benzo(a)pyrene	23.121	252	7834	0.08 ng/uL#	82
93) Indeno(1,2,3-cd)pyrene	24.829	276	5083	0.06 ng/uL#	74
94) Dibdenz(a,h)anthracene	24.864	278	2242	0.03 ng/uL#	71
95) Benzo(g,h,i)Perylene	25.330	276	3531	0.05 ng/uL	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2 20x.D
Acq On : 20 Oct 2014 20:54
Operator : JLB
Sample : 1410014-08re2 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 21 07:49:22 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

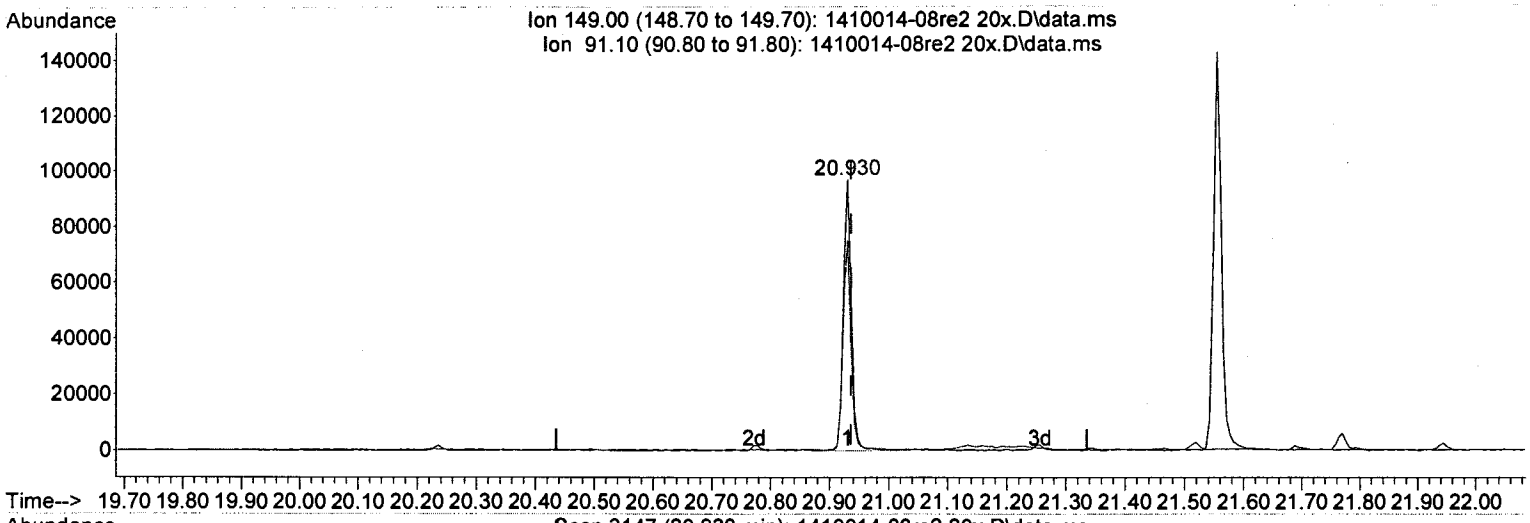
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.646	152	344326	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.386	136	1340251	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.495	164	719416	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1090764	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	828821	5.00	ng/uL	#	0.00
22) Perylene-d12	23.197	264	590700	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	0.000		0	N.D.			
3) Pyridine	3.269	79	160	0.00	ng/uL	#	25
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.795	105	368	0.00	ng/uL	#	1
6) Acetophenone	8.497	105	127	0.00	ng/uL	#	49
7) N-Nitroso-di-n-propyla...	8.800	70	4320	0.07	ng/uL	#	37
9) 4-Chloroaniline	10.590	127	148	0.01	ng/uL	#	27
10) Caprolactam	11.353	55	107	0.10	ng/uL	#	21
12) 1,1'-Biphenyl	13.178	154	114	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.162	169	109	0.00	ng/uL	#	26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.032	184	1186	0.42	ng/uL		99
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

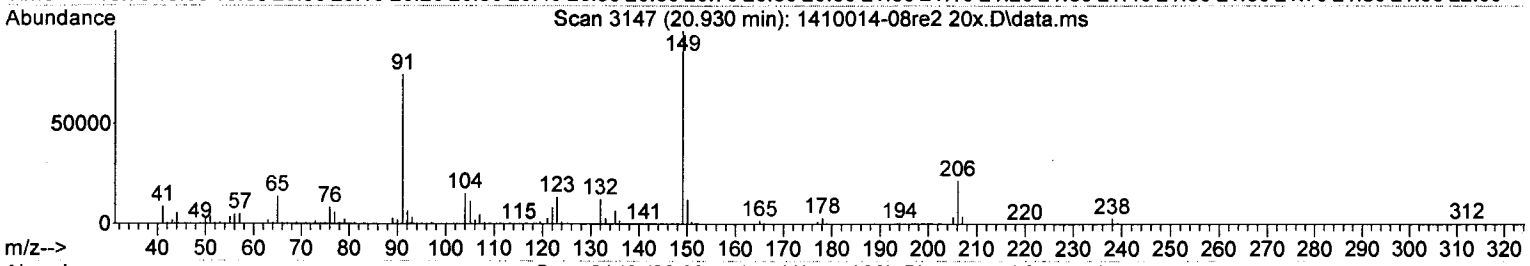
(#) = qualifier out of range (m) = manual integration (+) = signals summed

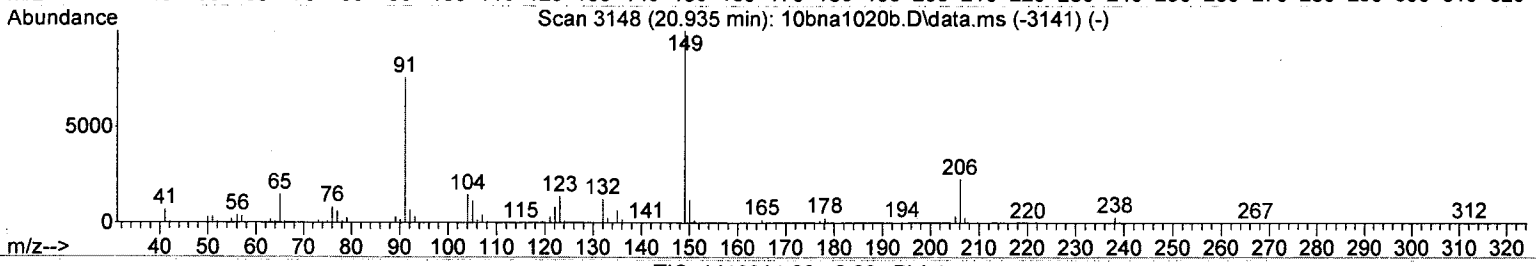
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2 20x.D
Acq On : 20 Oct 2014 20:54
Operator : JLB
Sample : 1410014-08re2 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 21 08:01:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410014-08re2 20x.D\data.ms

(83) Butyl Benzyl Phthalate

20.930min (-0.006) 1.18 ng/uL

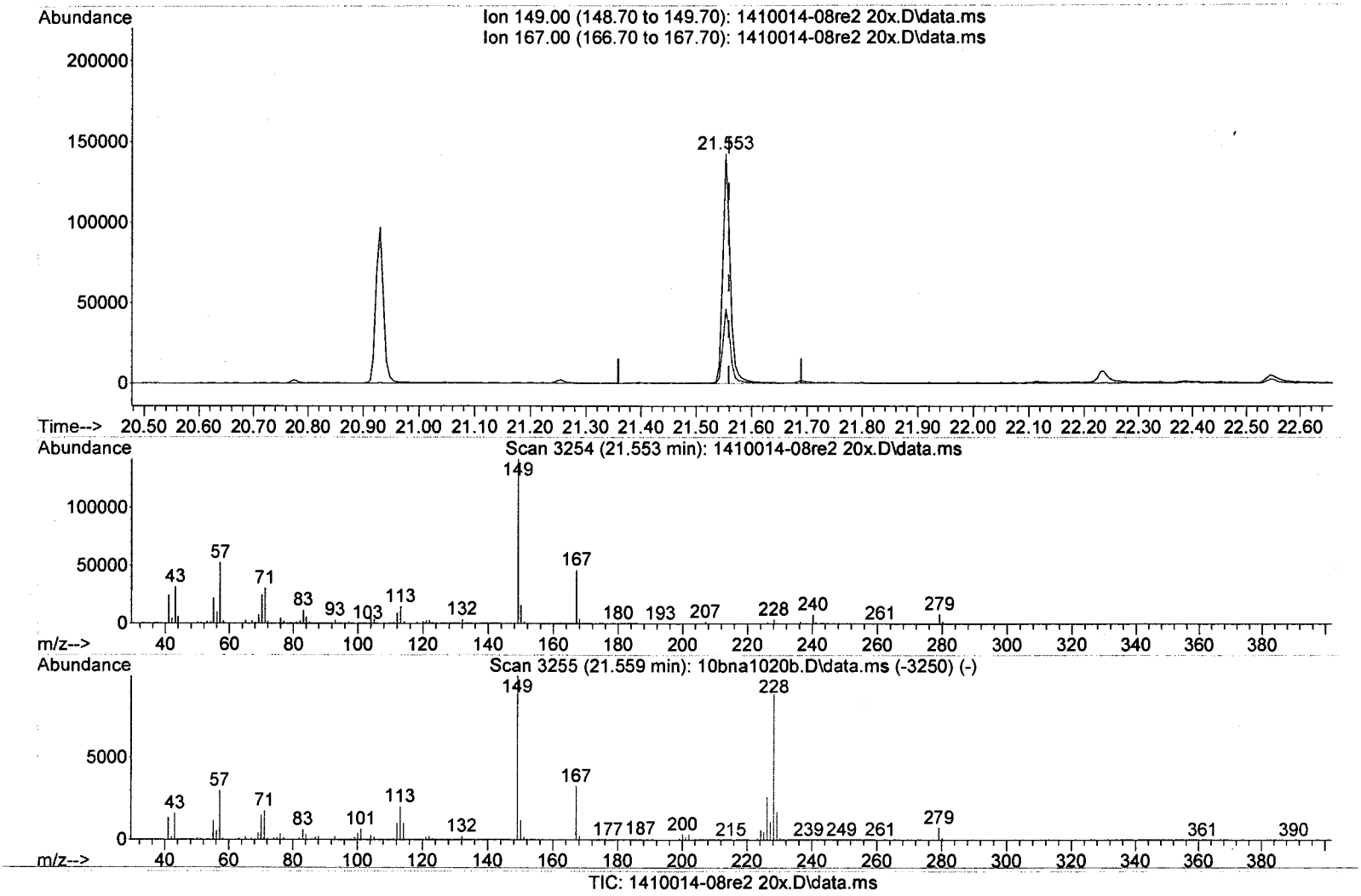
response 91407

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	77.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2 20x.D
Acq On : 20 Oct 2014 20:54
Operator : JLB
Sample : 1410014-08re2 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 21 08:01:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2 20x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.553min (-0.006) 1.36 ng/uL

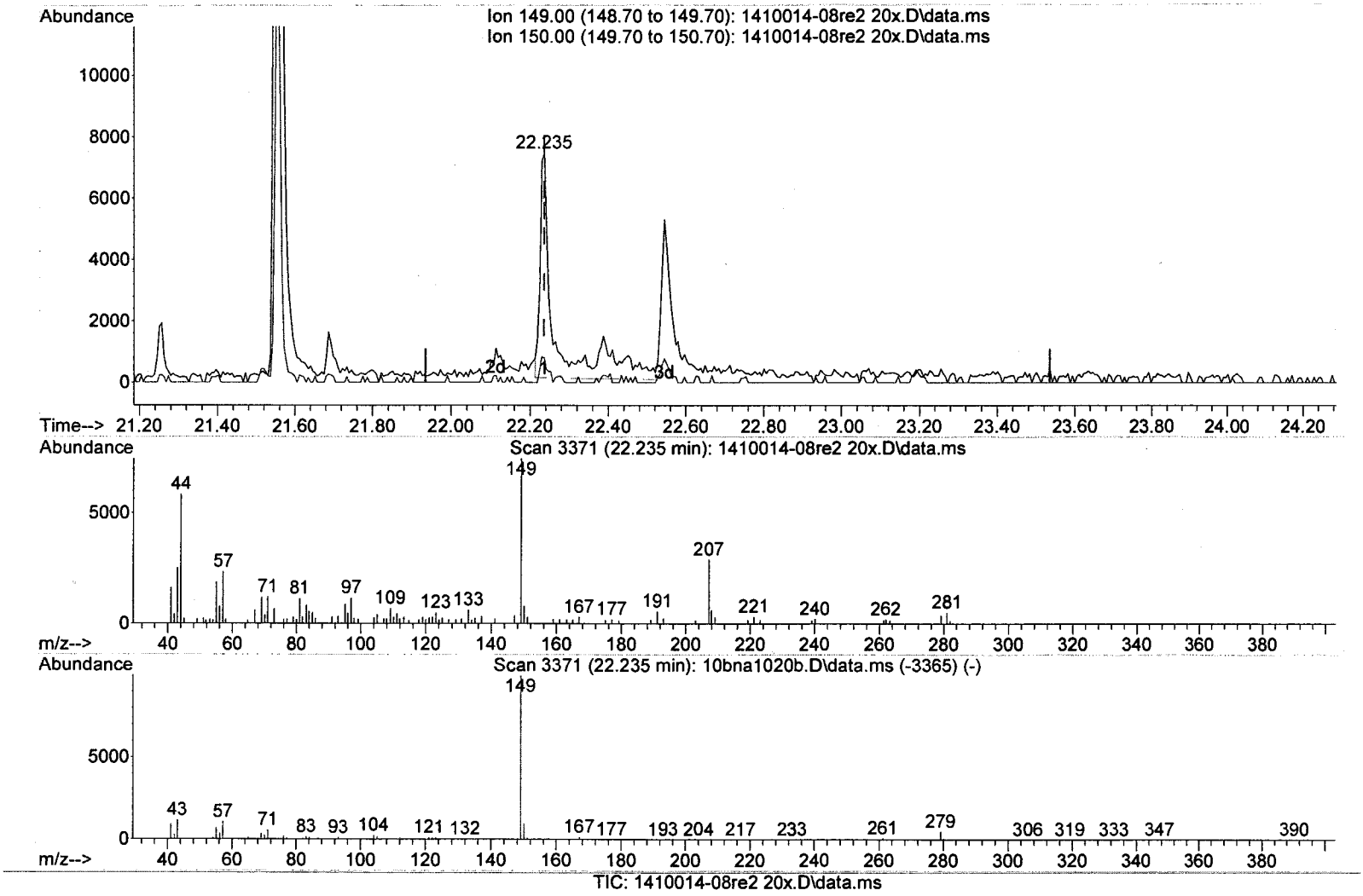
response 134932

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	32.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2 20x.D
Acq On : 20 Oct 2014 20:54
Operator : JLB
Sample : 1410014-08re2 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 21 08:01:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410014-08re2 20x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.235min (+ 0.000) 0.45 ng/uL

response 19322

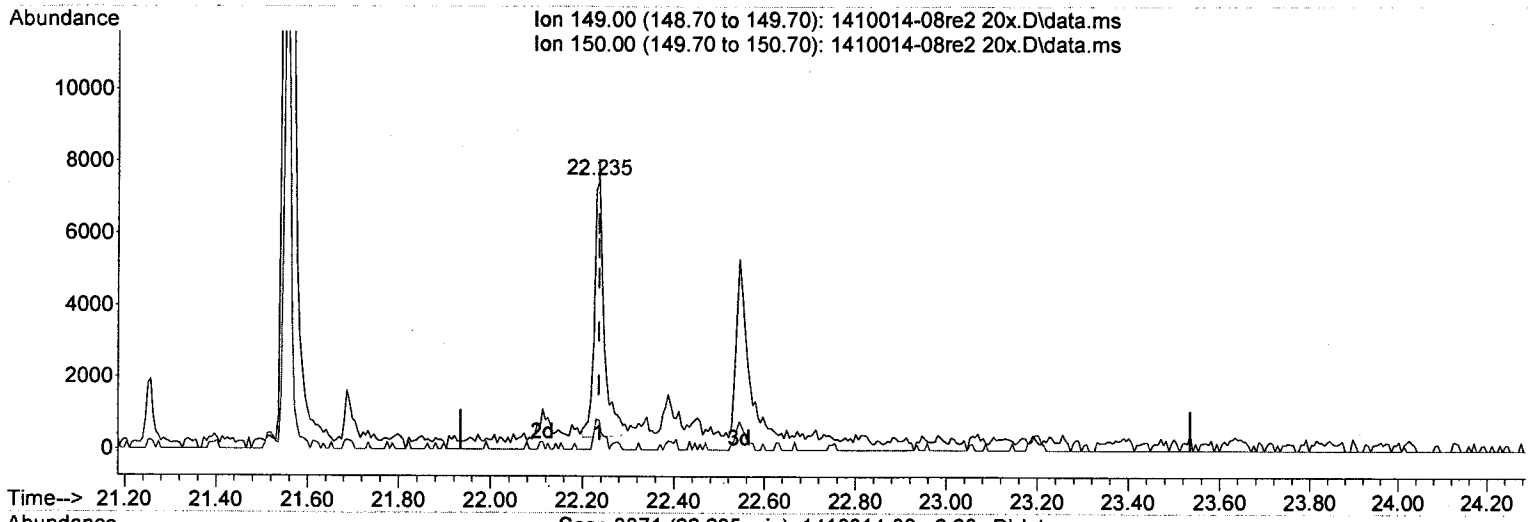
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	5.70#
0.00	0.00	0.00
0.00	0.00	0.00

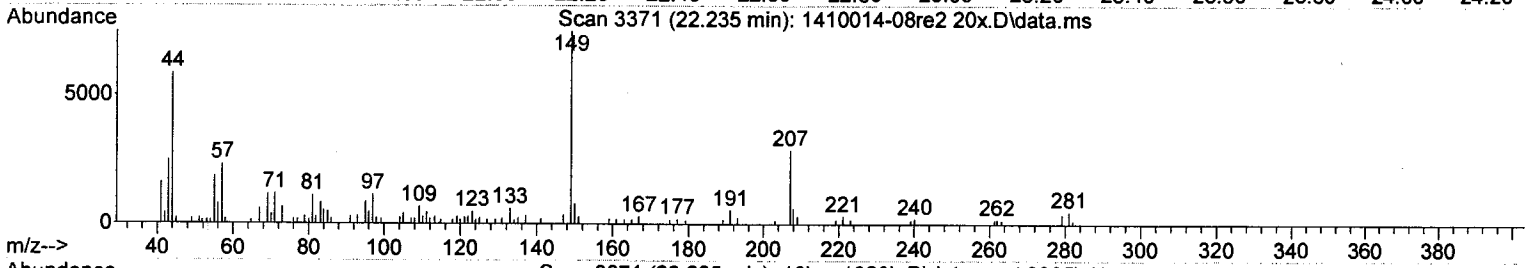
JLB 10/21/14

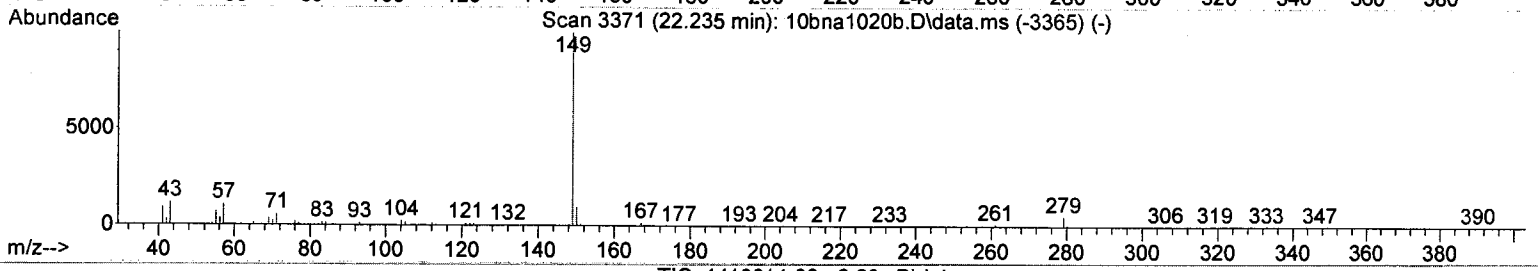
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2 20x.D
Acq On : 20 Oct 2014 20:54
Operator : JLB
Sample : 1410014-08re2 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 21 08:01:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410014-08re2 20x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.235min (+ 0.000) 0.40 ng/uL m

response 10717

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	10.27
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/21/14

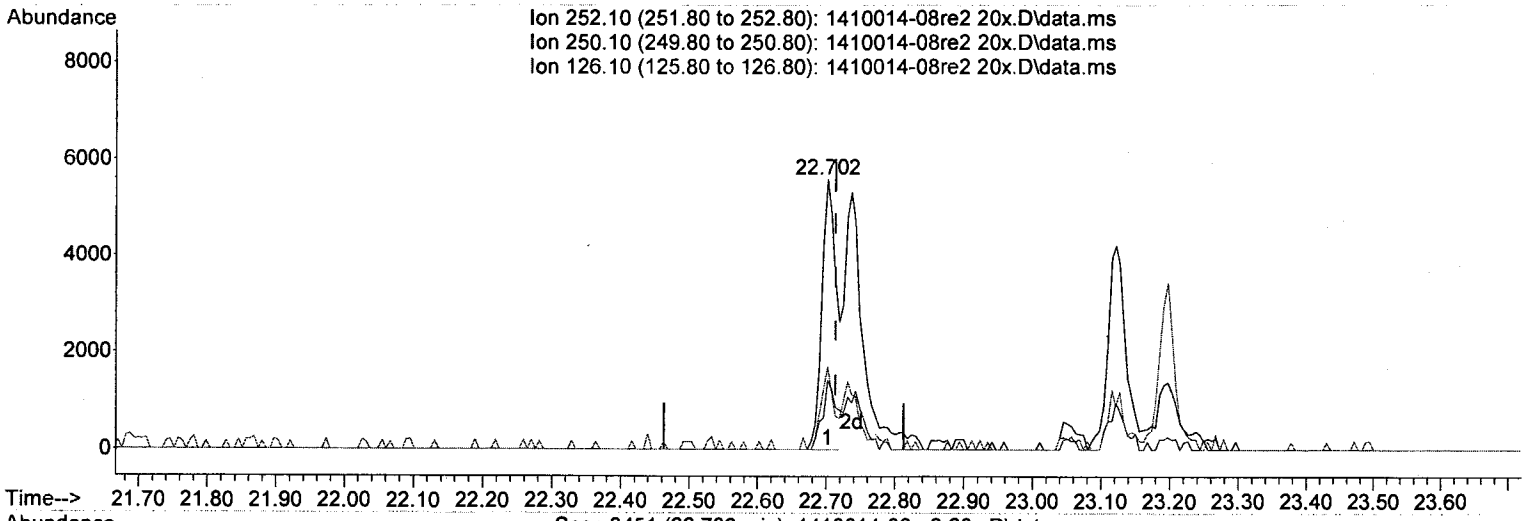
Reviewed By: ASC Date: 10/21/14

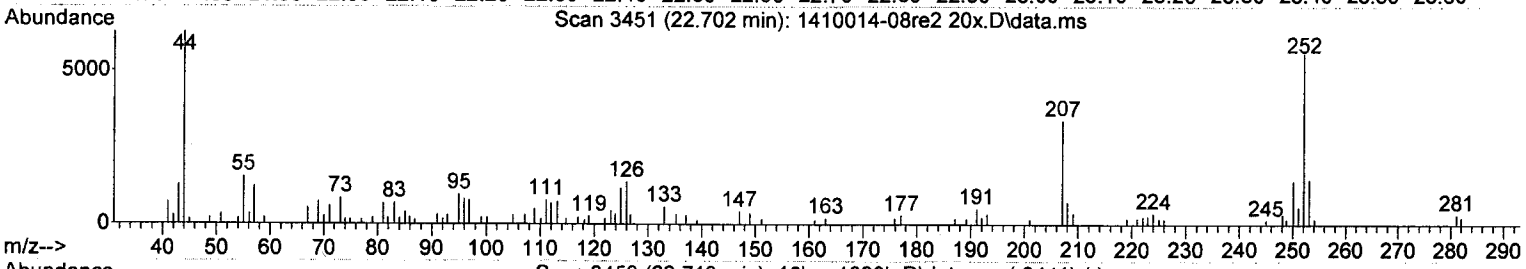
003478

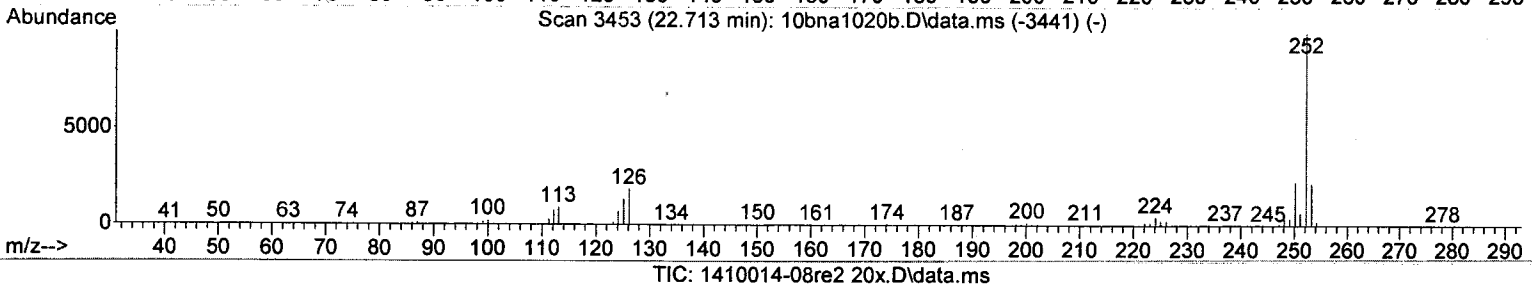
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2 20x.D
Acq On : 20 Oct 2014 20:54
Operator : JLB
Sample : 1410014-08re2 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 21 08:01:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410014-08re2 20x.D\data.ms

(90) Benzo(b)fluoroanthene

22.702min (-0.012) 0.08 ng/uL

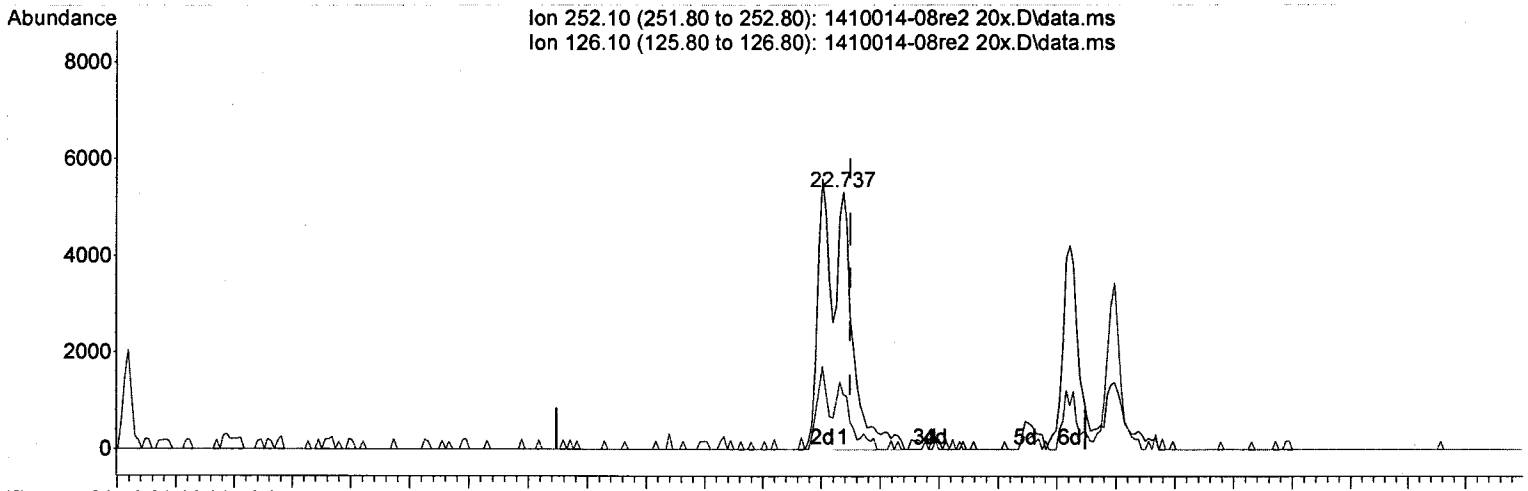
response 8099

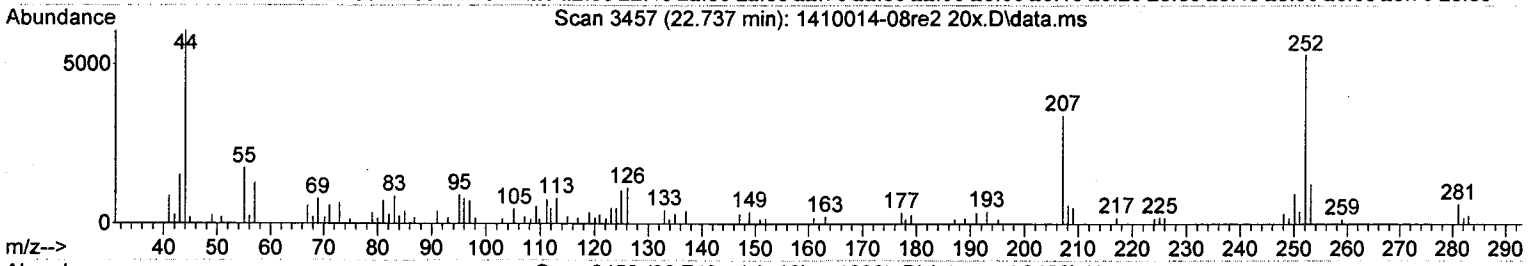
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	28.08#
126.10	17.20	27.66#
0.00	0.00	0.00

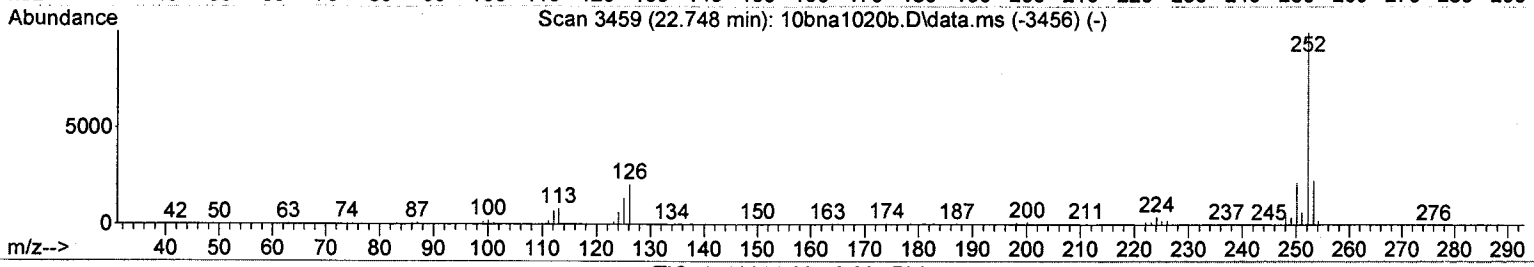
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2 20x.D
Acq On : 20 Oct 2014 20:54
Operator : JLB
Sample : 1410014-08re2 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 21 08:01:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410014-08re2 20x.D\data.ms

(91) Benzo(k)fluoranthene

22.737min (-0.012) 0.08 ng/uL

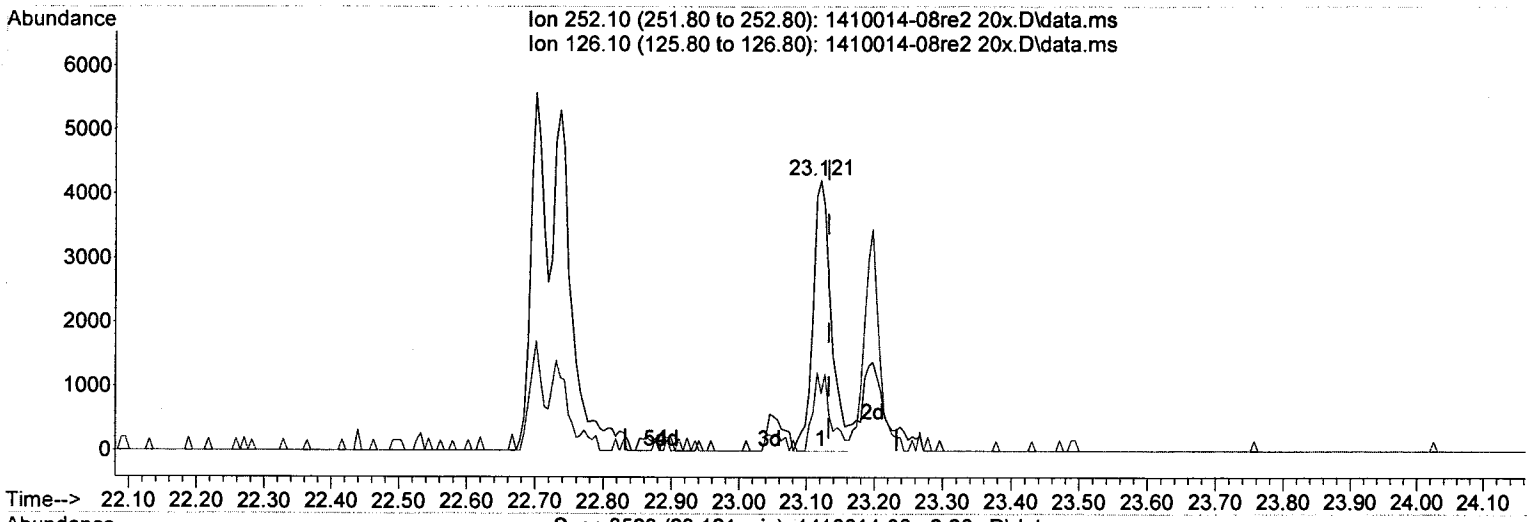
response 10197

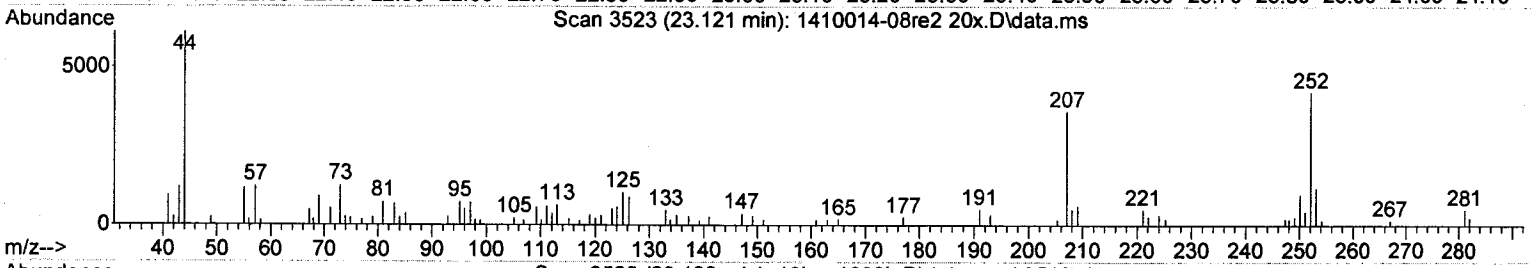
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	20.68
0.00	0.00	0.00
0.00	0.00	0.00

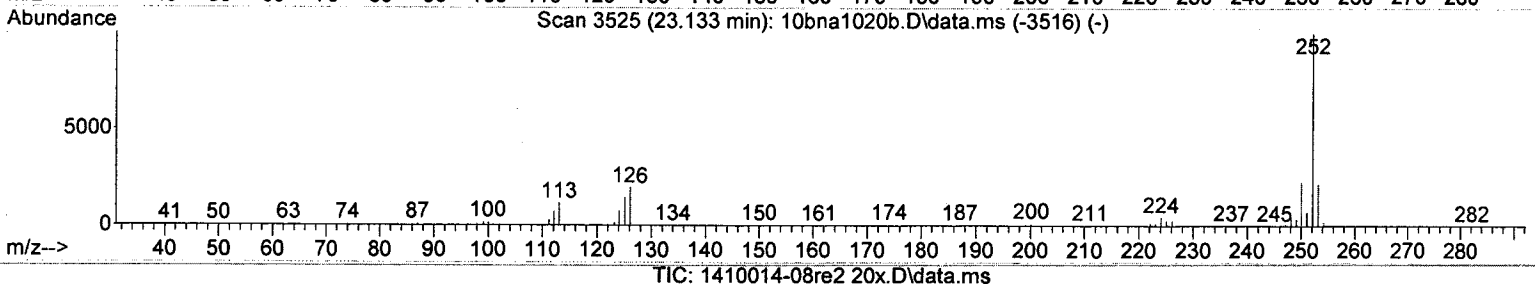
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410014-08re2 20x.D
Acq On : 20 Oct 2014 20:54
Operator : JLB
Sample : 1410014-08re2 20x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 21 08:01:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410014-08re2 20x.D\data.ms

(92) Benzo(a)pyrene (C)

23.121min (-0.012) 0.08 ng/uL

response 7834

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	27.46#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW08-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410014-09 File ID: 1410014-09.D

Sampled: 09/29/14 10:35 Prepared: 10/02/14 07:47 Analyzed: 10/08/14 18:11

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 990 mL / 1 mL

QC Batch: 1410565 Sequence: 4J09063 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	0.081	0.033	0.10	0.50	J
208-96-8	Acenaphthylene	1	0.050	0.017	0.050	0.50	U
120-12-7	Anthracene	1	0.20	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	1	0.10	0.045	0.10	0.50	U
50-32-8	Benzo(a)pyrene	1	0.10	0.040	0.10	0.50	U
205-99-2	Benzo(b)fluoranthene	1	0.20	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	1	0.20	0.060	0.20	0.50	U
191-24-2	Benzo(g,h,i)perylene	1	0.20	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	1	2.8	0.48	2.0	5.0	J
100-51-6	Benzyl Alcohol	1	0.28	0.049	0.10	0.50	J
101-55-3	4-Bromophenyl Phenyl Ether	1	0.10	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	1	0.061	0.056	0.20	1.0	J
86-74-8	Carbazole	1	0.20	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	1	0.25	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	1	0.25	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	1	0.050	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	1	0.050	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	0.10	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	1	0.050	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	1	0.10	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	0.10	0.048	0.10	0.50	U
218-01-9	Chrysene	1	0.10	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	1	0.25	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	1	0.061	0.041	0.10	0.50	J
84-74-2	Di-n-butyl Phthalate	1	0.37	0.14	1.0	1.0	J
106-46-7	1,4-Dichlorobenzene	1	0.68	0.020	0.050	0.50	
95-50-1	1,2-Dichlorobenzene	1	0.25	0.040	0.10	0.50	J
541-73-1	1,3-Dichlorobenzene	1	0.69	0.041	0.10	0.50	
91-94-1	3,3'-Dichlorobenzidine	1	0.50	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	1	0.20	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	1	0.17	0.065	0.25	0.50	J
105-67-9	2,4-Dimethylphenol	1	0.50	0.17	0.50	1.0	U
131-11-3	Dimethyl Phthalate	1	0.071	0.046	0.10	0.50	J
534-52-1	4,6-Dinitro-2-methylphenol	1	4.0	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	1	5.0	1.2	5.0	5.0	U
606-20-2	2,6-Dinitrotoluene	1	0.20	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	1	0.10	0.048	0.10	0.50	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW08-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410014-09 File ID: 1410014-09.D

Sampled: 09/29/14 10:35 Prepared: 10/02/14 07:47 Analyzed: 10/08/14 18:11

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 990 mL / 1 mL

QC Batch: 1410565 Sequence: 4J09063 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	0.20	0.077	0.20	0.50	U
122-66-7	1,2-Diphenylhydrazine	1	0.10	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	2.7	0.11	0.50	0.50	
206-44-0	Fluoranthene	1	0.20	0.063	0.20	0.50	U
86-73-7	Fluorene	1	0.22	0.041	0.10	0.50	J
118-74-1	Hexachlorobenzene	1	0.20	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	1	0.10	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	1	0.10	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.25	0.080	0.25	0.50	U
78-59-1	Isophorone	1	0.10	0.045	0.10	0.50	U
91-57-6	2-Methylnaphthalene	1	0.51	0.015	0.050	0.50	
108-39-4	3+4-Methylphenol	1	0.20	0.057	0.20	5.0	U
95-48-7	2-Methylphenol	1	0.20	0.048	0.20	0.50	U
91-20-3	Naphthalene	1	0.10	0.031	0.10	0.50	J
100-01-6	4-Nitroaniline	1	1.0	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	1	0.50	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	1	0.50	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	1	0.20	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	1	0.20	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	1	5.0	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	1	0.10	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	1	0.20	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	1	0.20	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	1	0.50	0.13	0.50	0.50	U
85-01-8	Phenanthrene	1	0.12	0.043	0.10	0.50	J
108-95-2	Phenol	1	0.061	0.034	0.10	0.50	J
129-00-0	Pyrene	1	0.20	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.16	0.027	0.10	0.50	J
95-95-4	2,4,5-Trichlorophenol	1	0.25	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	1	0.25	0.085	0.25	0.50	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	20.2	9.45	47	19 - 119	
Phenol-d6	20.2	6.06	30	18 - 45	
Nitrobenzene-d5	10.1	8.17	81	44 - 120	
2-Fluorobiphenyl	10.1	8.24	82	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW08-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1410014-09
File ID: 1410014-09.D
Sampled: 09/29/14 10:35
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 18:11
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 990 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09063
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	20.2	19.5	97	43 - 140	
o-Terphenyl	10.1	9.52	94	42 - 125	

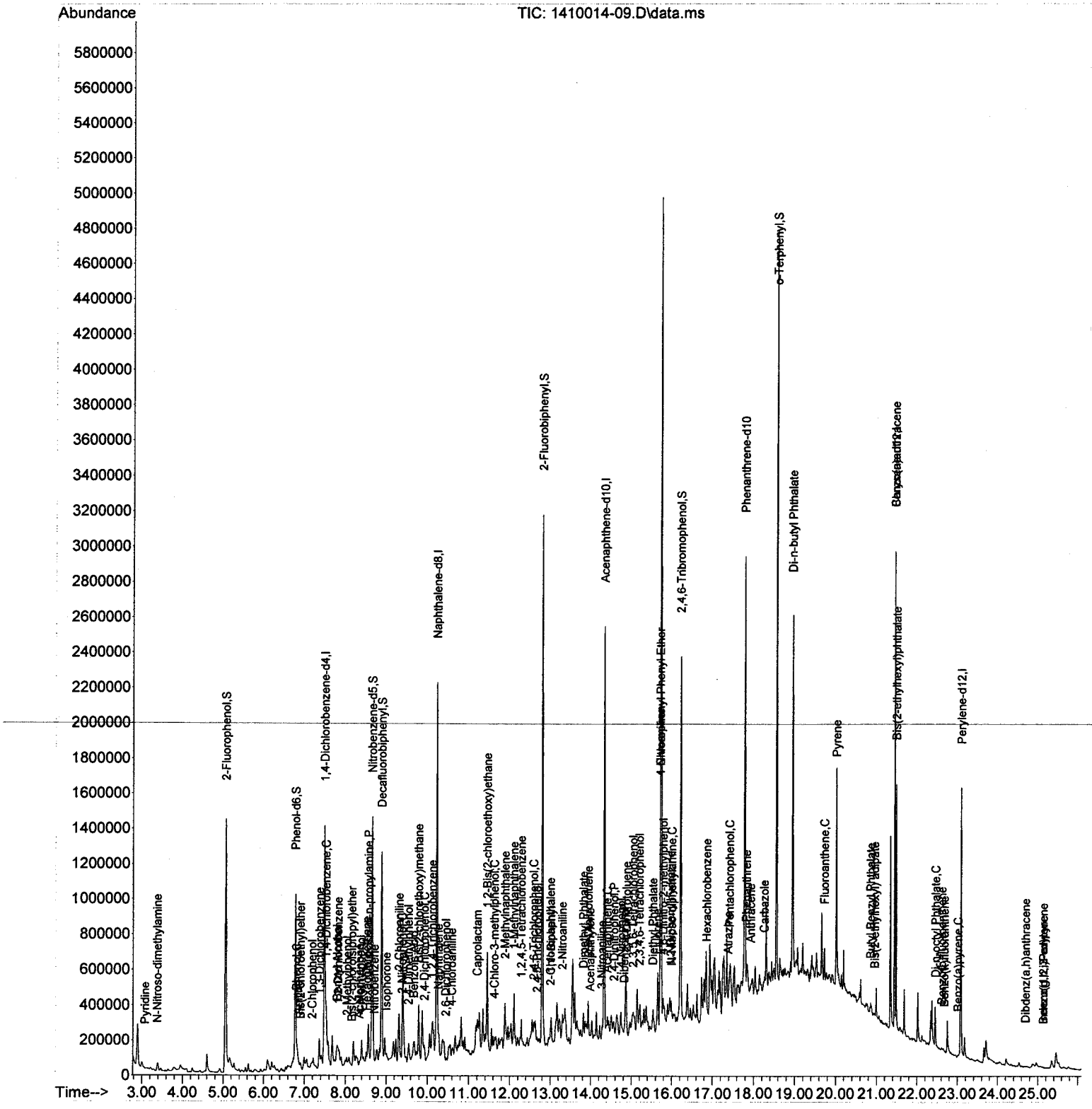
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	467473	7.486	403279	7.614	
Naphthalene-d8	1719786	10.225	1529030	10.359	
Acenaphthene-d10	949462	14.334	866604	14.474	
Phenanthrene-d10	1381567	17.785	1400442	17.901	
Chrysene-d12	1099730	21.445	1153654	21.538	
Perylene-d12	900637	23.089	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



tal3&degrad.M Thu Oct 16 11:54:19 2014 339

003495

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.486	152	467473	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.225	136	1719786	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.334	164	949462	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.785	188	1381567	5.00	ng/uL	0.00
81) Chrysene-d12	21.445	240	1099730	5.00	ng/uL	# 0.00
89) Perylene-d12	23.089	264	900637	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.061	112	999448	9.36	ng/uL	-0.01
6) Phenol-d6	6.780	99	829239	6.00	ng/uL	-0.02
21) Nitrobenzene-d5	8.651	82	889034	8.09	ng/uL	-0.01
23) Decafluorobiphenyl	8.884	334	561237	7.28	ng/uL	0.00
47) 2-Fluorobiphenyl	12.801	172	1599897	8.16	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.217	330	404859	19.32	ng/uL	0.00
78) o-Terphenyl	18.560	230	1115519	9.42	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.376	74	136	0.00	ng/uL	86
3) Pyridine	3.073	79	195	0.00	ng/uL#	14
5) Aniline	6.850	93	1511	0.24	ng/uL#	33
7) Phenol	6.804	94	9838	0.06	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.903	93	762	0.01	ng/uL	99
9) 2-Chlorophenol	7.182	128	1193	0.01	ng/uL#	62
10) 1,3-Dichlorobenzene	7.363	146	92357	0.68	ng/uL	91
11) 1,4-Dichlorobenzene	7.521	146	90898	0.67	ng/uL	98
12) 1,2-Dichlorobenzene	7.818	146	31104	0.25	ng/uL#	58
13) Bis(2-chloroisipropyl)...	8.156	45	185	0.00	ng/uL#	51
14) Benzyl Alcohol	7.794	108	22633	0.28	ng/uL	95
15) 2-Methylphenol	8.039	108	1026	0.01	ng/uL#	1
16) Acetophenone	8.342	105	9894	0.06	ng/uL#	46
17) Hexachloroethane	8.523	119	6672	0.13	ng/uL#	6
18) 4-Methylphenol	8.377	108	1046	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.564	70	14771	0.18	ng/uL	92
22) Nitrobenzene	8.704	77	239	0.00	ng/uL#	1
24) Isophorone	9.001	82	3553	0.02	ng/uL	100
25) 2-Chloroaniline	9.316	127	4694	0.03	ng/uL#	67
26) 2-Nitrophenol	9.386	139	377	0.01	ng/uL#	1
27) 2,4-Dimethylphenol	9.537	107	857	0.01	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.782	93	731	0.01	ng/uL#	49
29) 2,4-Dichlorophenol	9.922	162	1151	0.01	ng/uL#	49
30) Benzoic Acid	9.665	105	31329	2.79	ng/uL	95
31) 1,2,4-Trichlorobenzene	10.114	180	15698	0.16	ng/uL	98
32) Naphthalene	10.266	128	34937	0.10	ng/uL	96
33) 4-Chloroaniline	10.592	127	6820	0.08	ng/uL#	35
34) 2,6-Dichlorophenol	10.447	162	163	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.204	55	199200	4.02	ng/uL#	26
37) 1,2-Bis(2-chloroethoxy...	11.449	63	3239	0.03	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.624	107	2602	0.03	ng/uL#	38
39) 2-Methylnaphthalene	11.886	142	108249	0.50	ng/uL	99
40) 1-Methylnaphthalene	12.108	142	147622	0.74	ng/uL	99
41) 1,3 Dinitrobenzene	13.862	168	63	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.283	216	114	0.00	ng/uL#	8
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	12.591	196	129	0.00	ng/uL#	10
46) 2,4,5-Trichlorophenol	12.673	196	156	0.00	ng/uL#	1
48) 2-Chloronaphthalene	13.005	162	2103	0.01	ng/uL#	1
49) 1,1'-Biphenyl	13.017	154	26351	0.11	ng/uL	97
50) 2-Nitroaniline	13.303	138	1701	0.03	ng/uL#	69
51) Acenaphthylene	13.984	152	4390	0.01	ng/uL#	1
52) 2,6-Dinitrotoluene	13.938	165	8517	~~0.17~~	ng/uL#	36
53) Dimethyl Phthalate	13.821	163	15024	0.07	ng/uL#	33
54) 3-Nitroaniline	14.270	138	248	0.01	ng/uL#	1
55) Acenaphthene	14.404	153	15789	0.08	ng/uL#	79
56) 2,4-Dinitrophenol	14.573	184	291	~~2.85~~	ng/uL#	26
57) Dibenzofuran	14.824	168	15405	0.06	ng/uL#	80
58) 4-Nitrophenol	14.742	65	10610	0.27	ng/uL#	50
59) 2,4-Dinitrotoluene	14.876	165	3132	~~0.05~~	ng/uL#	48
60) 2,3,5,6-Tetrachlorophenol	15.039	232	55	0.00	ng/uL#	1
61) 2,3,4,6-Tetrachlorophenol	15.197	232	84	0.00	ng/uL#	1
62) Fluorene	15.640	166	45655	0.22	ng/uL#	85
63) Diethyl Phthalate	15.535	149	32827	0.17	ng/uL#	60
64) 4-Chlorophenyl Phenyl ...	15.710	204	981	0.01	ng/uL#	1
65) 4-Nitroaniline	15.710	138	2424	0.08	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.791	198	1233	~~1.02~~	ng/uL#	35
68) N-Nitroso-diphenylamine	16.001	169	9414	0.06	ng/uL#	47
69) 1,2-Diphenylhydrazine	15.972	182	384	0.01	ng/uL	98
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	16.858	284	438	0.01	ng/uL#	36
73) Atrazine	17.383	200	482	0.01	ng/uL	92
74) Pentachlorophenol	17.418	266	1775	0.06	ng/uL#	1
75) Phenanthrene	17.826	178	32013	0.12	ng/uL	100
76) Anthracene	17.925	178	7774	0.03	ng/uL#	90
77) Carbazole	18.257	167	7643	0.03	ng/uL#	71
79) Di-n-butyl Phthalate	18.945	149	97862	0.37	ng/uL#	93
80) Fluoroanthene	19.726	202	5804	0.02	ng/uL	96
82) Pyrene	20.017	202	5956	0.02	ng/uL#	1
83) Butyl Benzyl Phthalate	20.856	149	6315	0.06	ng/uL#	67
84) Bis(2-ethylhexyl) adipate	20.956	129	4678	0.12	ng/uL#	100
85) Benzo(a)anthracene	21.445	228	5441	0.03	ng/uL#	1
86) Chrysene	21.445	228	5441	0.03	ng/uL#	80
87) Bis(2-ethylhexyl)phtha...	21.486	149	355784	2.70	ng/uL	92
88) Di-n-octyl Phthalate	22.459	149	124806	~~0.86~~	ng/uL#	78
90) Benzo(b)fluoroanthene	22.617	252	2329	0.01	ng/uL	96
91) Benzo(k)fluoranthene	22.675	252	140	0.00	ng/uL#	1
92) Benzo(a)pyrene	23.013	252	1054	0.01	ng/uL	98
93) Indeno(1,2,3-cd)pyrene	25.135	276	1897	0.01	ng/uL#	89
94) Dibdenz(a,h)anthracene	24.698	278	1456	0.01	ng/uL#	90
95) Benzo(g,h,i)Perylene	25.135	276	1897	0.02	ng/uL	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 09:03:49 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration

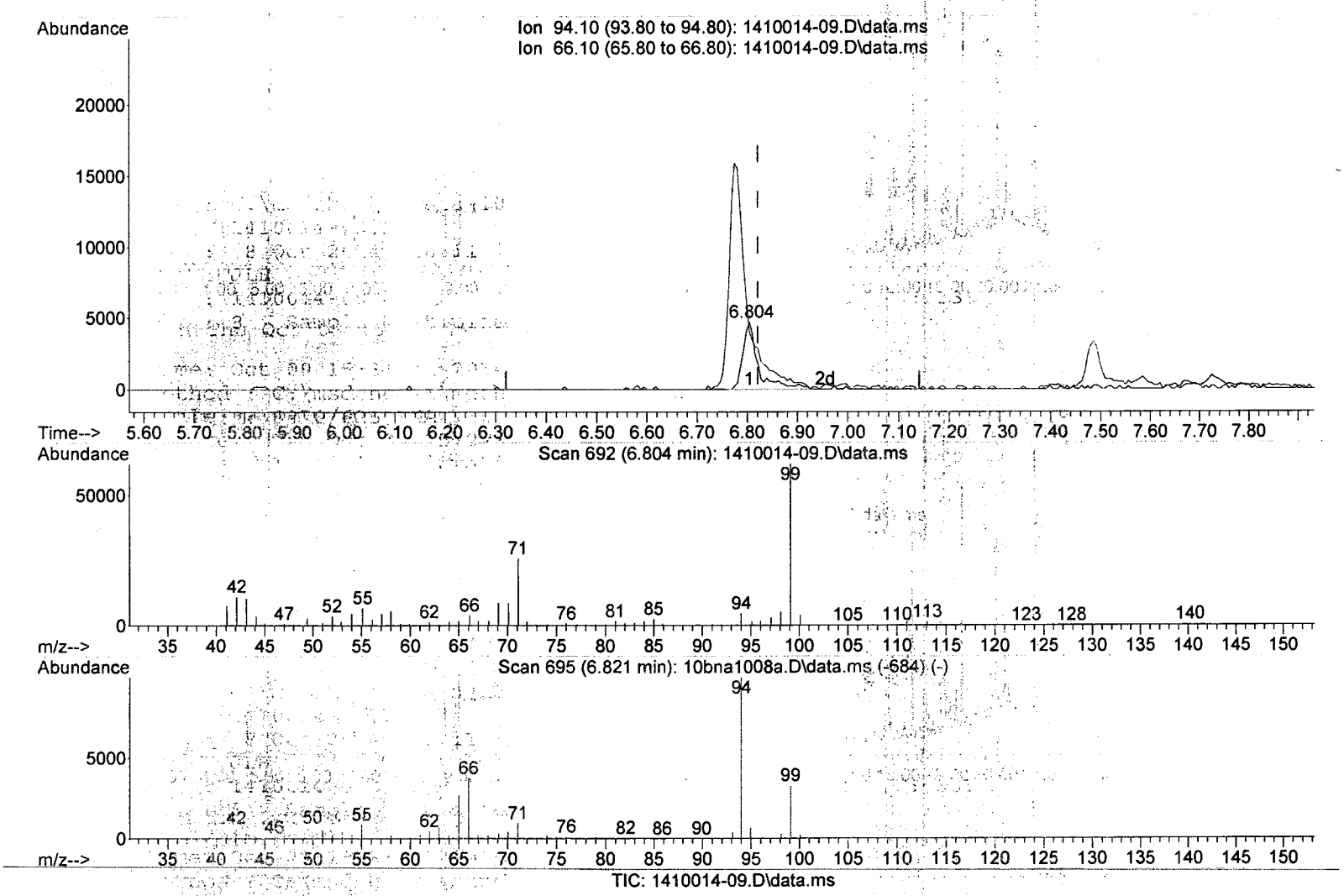
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.486	152	454668	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.225	136	1719786	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.334	164	947579	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.785	188	1381567	5.00	ng/uL		0.00
19) Chrysene-d12	21.445	240	1099730	5.00	ng/uL	#	0.00
22) Perylene-d12	23.089	264	900637	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.085	74	127	0.00	ng/uL	#	1
3) Pyridine	3.073	79	195	0.00	ng/uL	#	14
4) Aniline	6.850	93	1511	0.01	ng/uL	#	33
5) Benzaldehyde	6.658	105	8288	0.08	ng/uL	#	78
6) Acetophenone	8.342	105	9894	0.06	ng/uL	#	46
7) N-Nitroso-di-n-propyla...	8.564	70	14771	0.17	ng/uL		90
9) 4-Chloroaniline	10.522	127	1233	0.02	ng/uL		86
10) Caprolactam	11.204	55	52115	1.03	ng/uL	#	31
12) 1,1'-Biphenyl	13.017	154	26351	0.09	ng/uL		97
13) 2-Nitroaniline	13.303	138	1701	0.03	ng/uL	#	69
14) 3-Nitroaniline	14.270	138	248	Below Cal		#	1
15) 4-Nitroaniline	15.710	138	1727	0.00	ng/uL	#	1
17) N-Nitroso-diphenylamine	16.001	169	9414	0.06	ng/uL	#	47
18) Atrazine	17.103	200	624	Below Cal			98
20) Benzidine	19.953	184	24272	0.56	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	20.996	252	298	0.00	ng/uL		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(7) Phenol (C)

6.804min (-0.017) 0.06 ng/uL

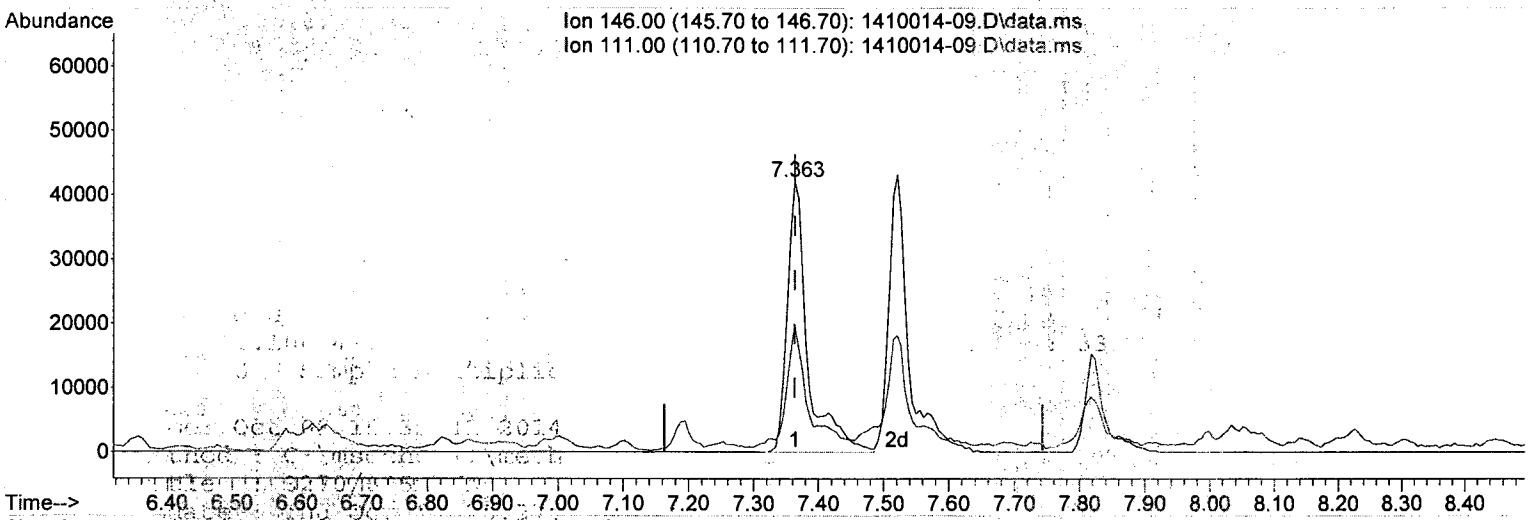
response 9838

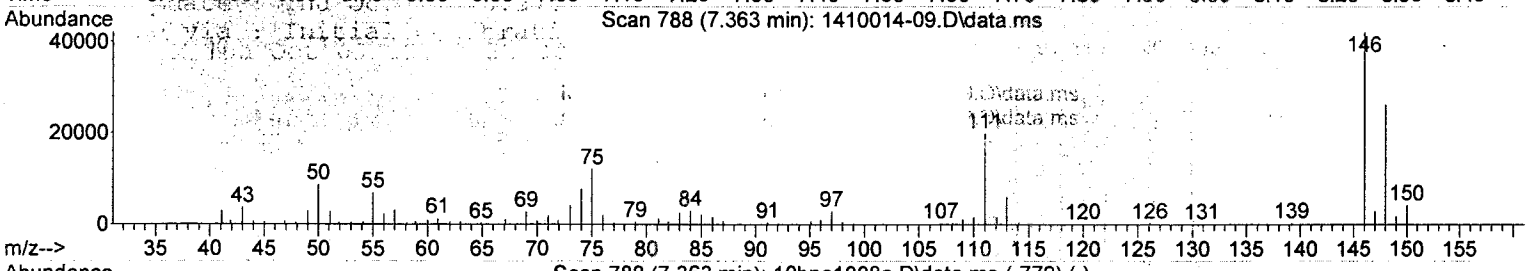
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	401.28#
0.00	0.00	0.00
0.00	0.00	0.00

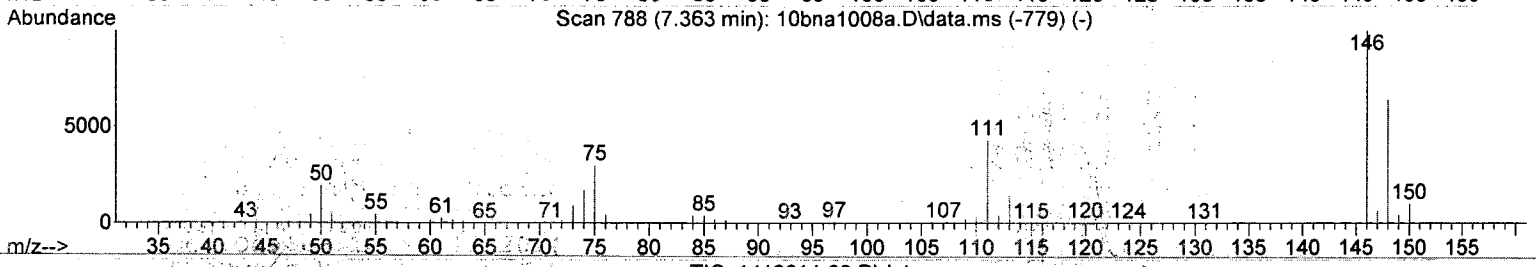
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-09.D\data.ms

(10) 1,3-Dichlorobenzene

7.363min (+ 0.000) 0.68 ng/uL

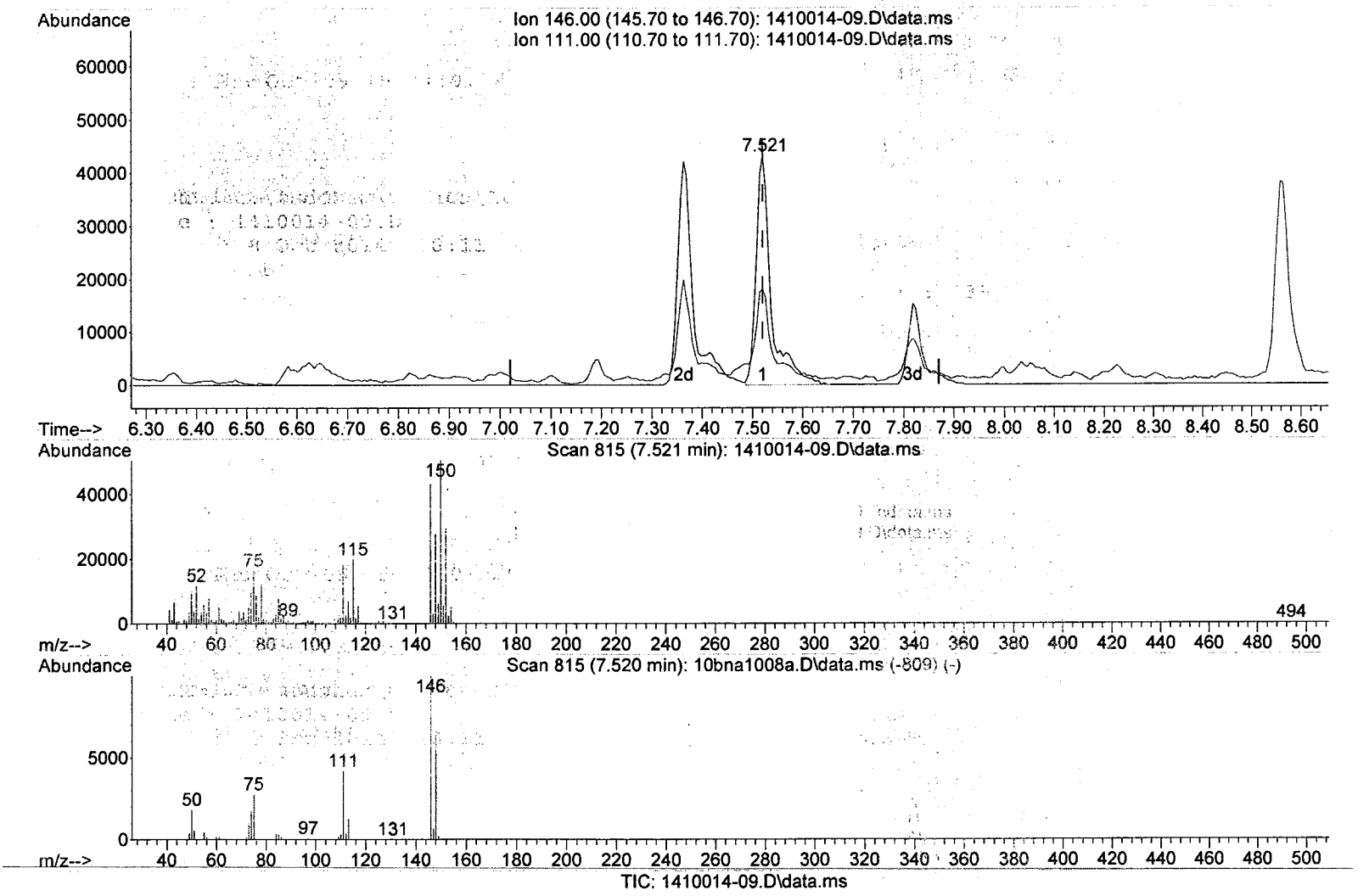
response 92357

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	41.20	47.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(11) 1,4-Dichlorobenzene (C)

7.521min (+ 0.000) 0.67 ng/uL

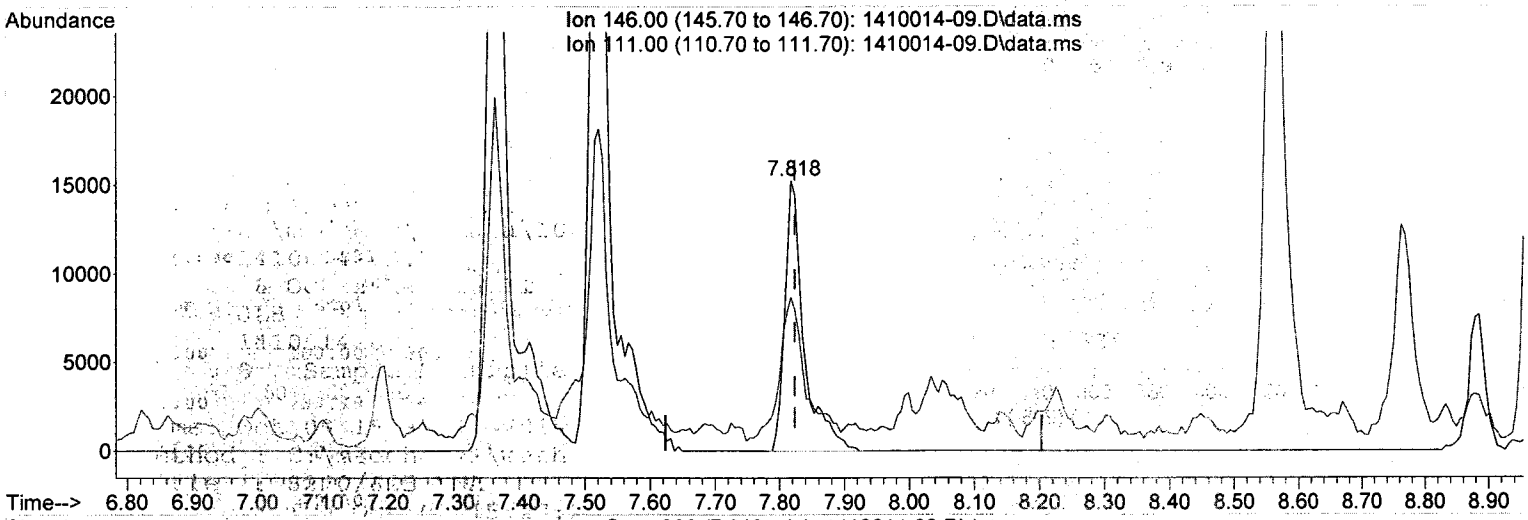
response 90898

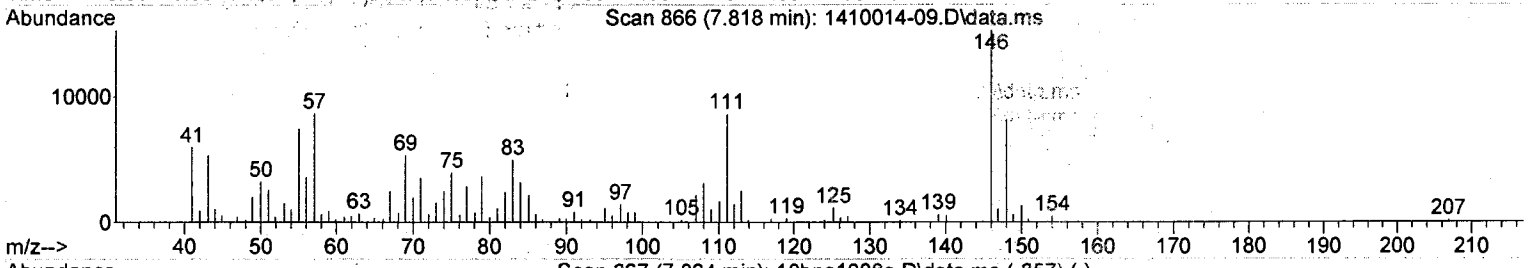
Ion	Exp%	Act%
146.00	100.00	100.00
111.00	39.70	40.84
0.00	0.00	0.00
0.00	0.00	0.00

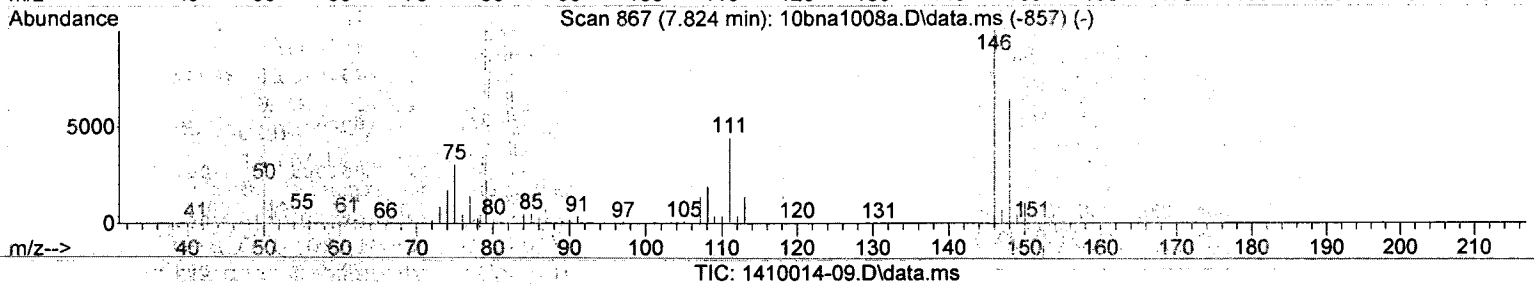
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-09.D\data.ms

(12) 1,2-Dichlorobenzene

7.818min (-0.006) 0.25 ng/uL

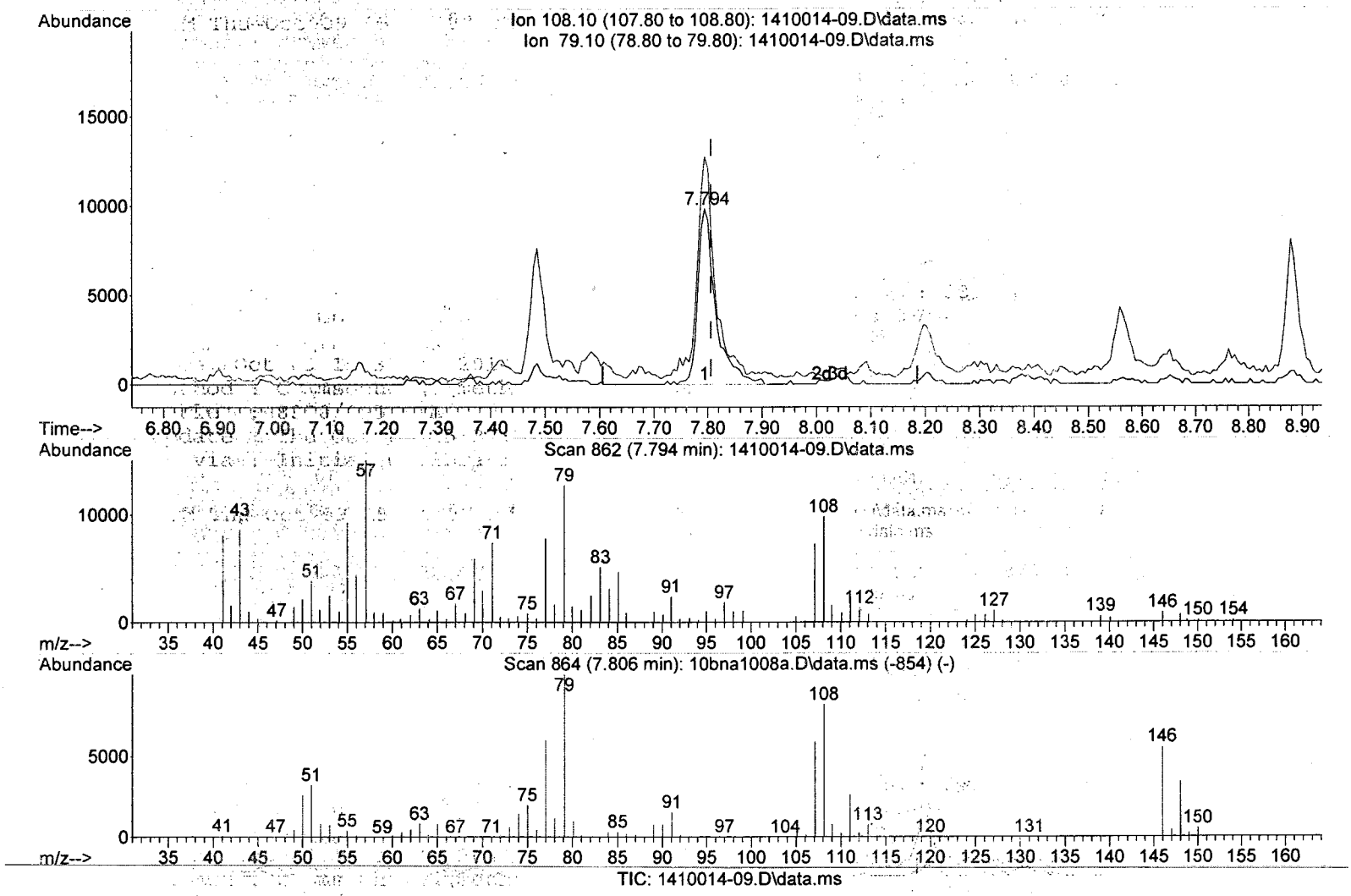
response 31104

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	41.70	67.89#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(14) Benzyl Alcohol

7.794min (-0.012) 0.28 ng/uL

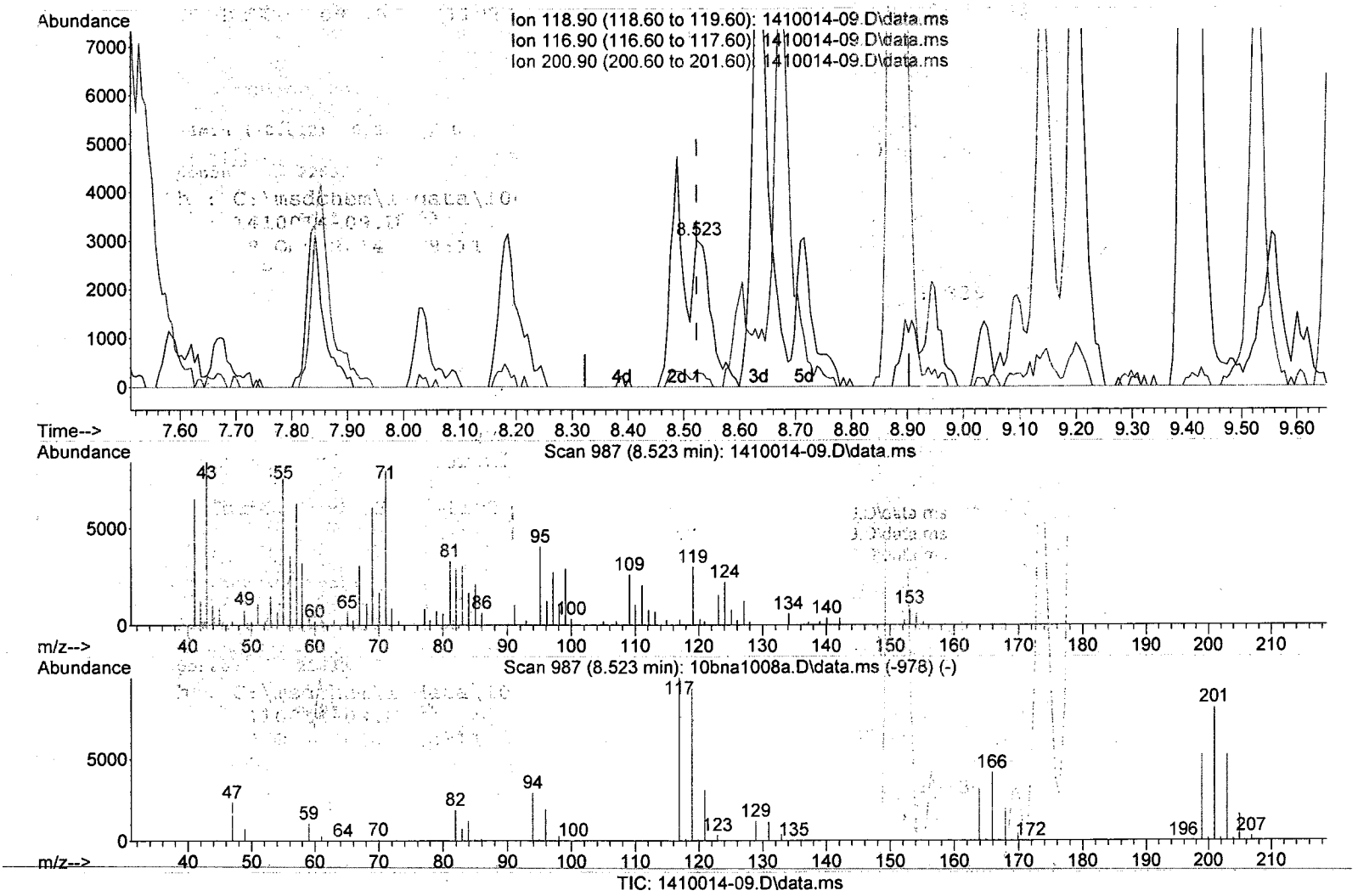
response 22633

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	132.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(17) Hexachloroethane

8.523min (+ 0.000) 0.13 ng/uL

response 6672

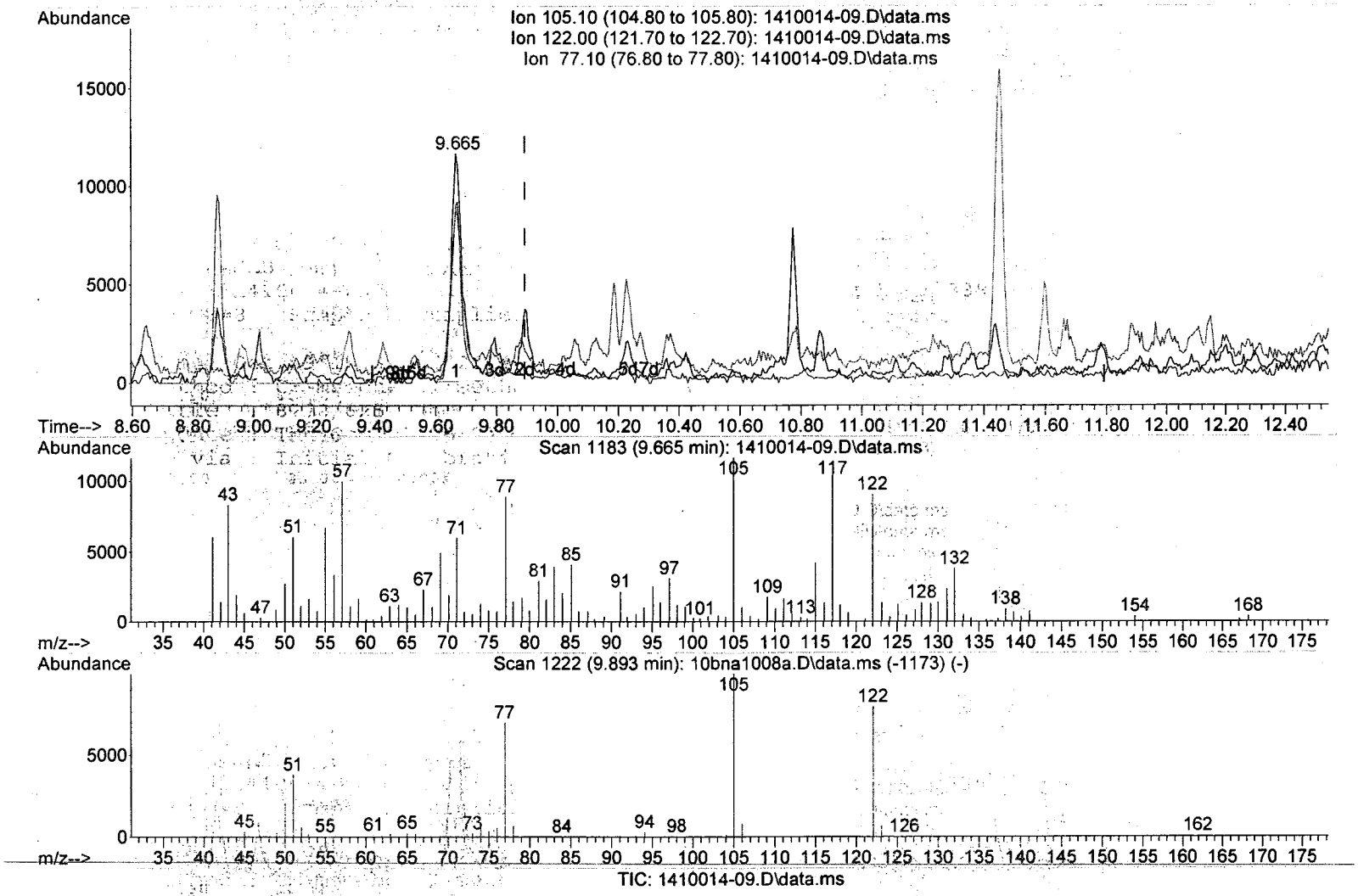
Ion	Exp%	Act%
118.90	100.00	100.00
116.90	100.10	6.03#
200.90	85.90	0.00#
0.00	0.00	0.00

PS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(30) Benzoic Acid

9.665min (-0.227) 2.79 ng/uL

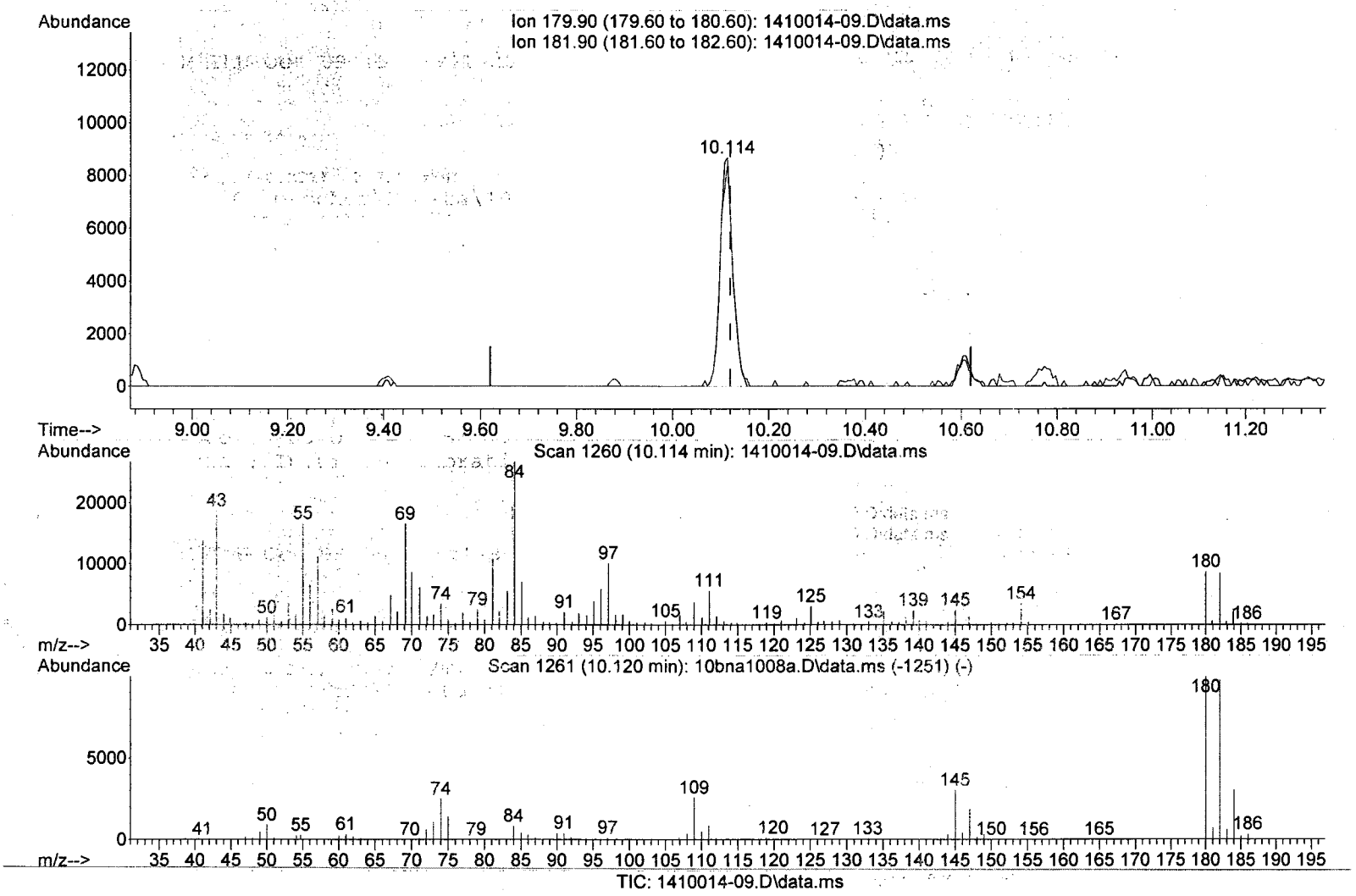
response 31329

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	85.38
77.10	74.70	71.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(31) 1,2,4-Trichlorobenzene

10.114min (-0.006) 0.16 ng/uL

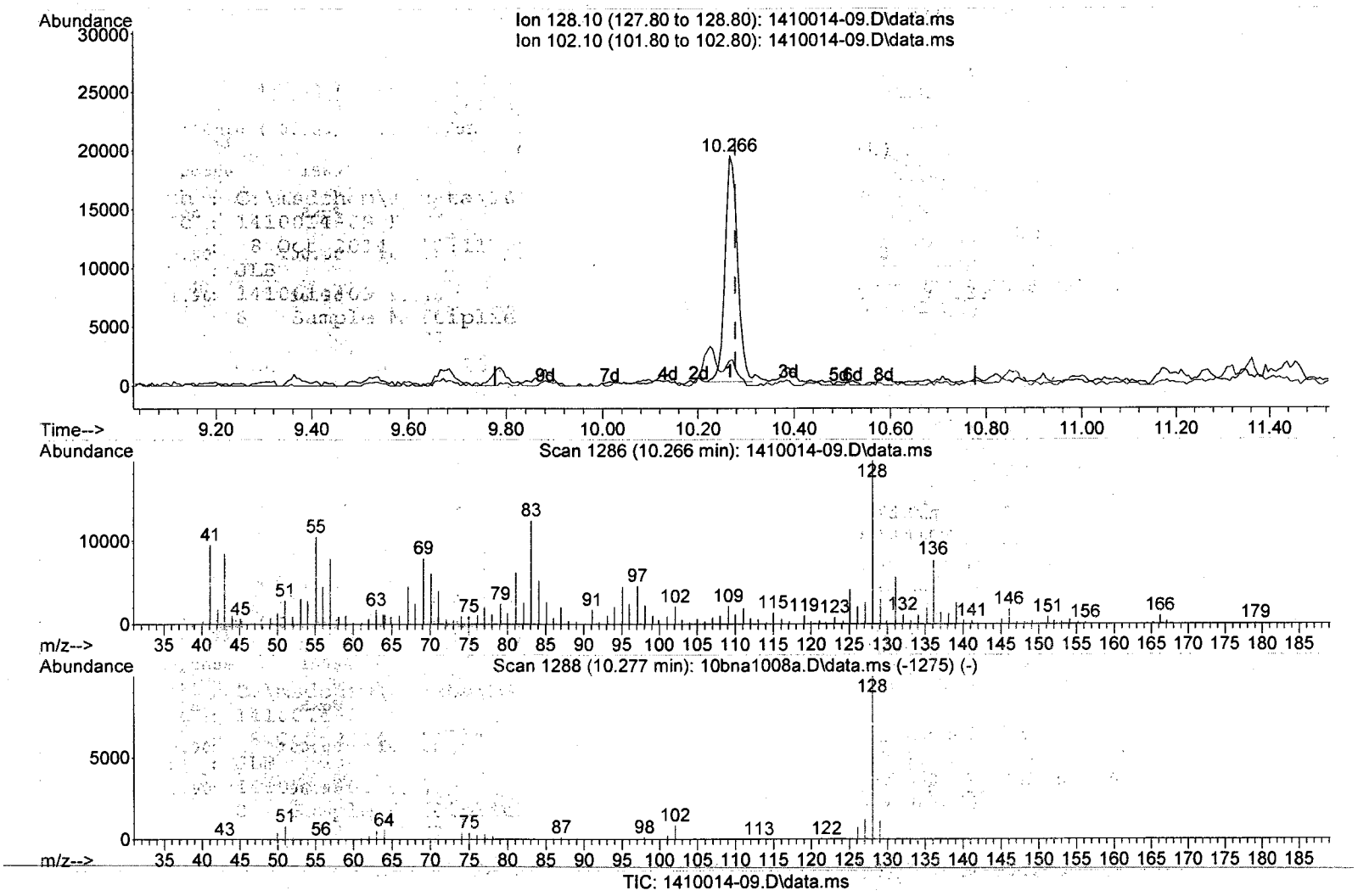
response 15698

Ion	Exp%	Act%
179.90	100.00	100.00
181.90	98.90	98.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(32) Naphthalene

10.266min (-0.012) 0.10 ng/uL

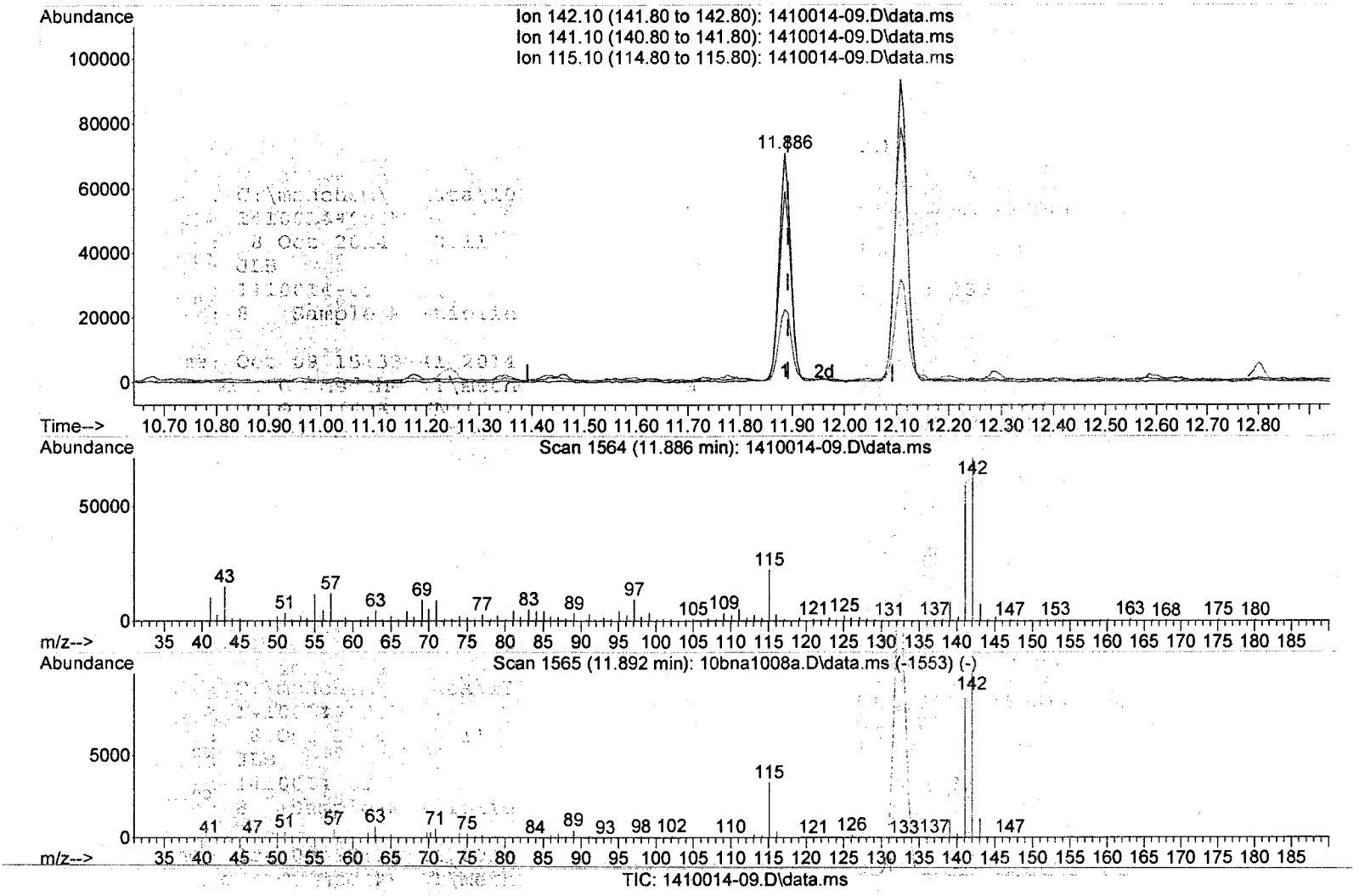
response 34937

Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	10.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(39) 2-Methylnaphthalene

11.886min (-0.006) 0.50 ng/uL

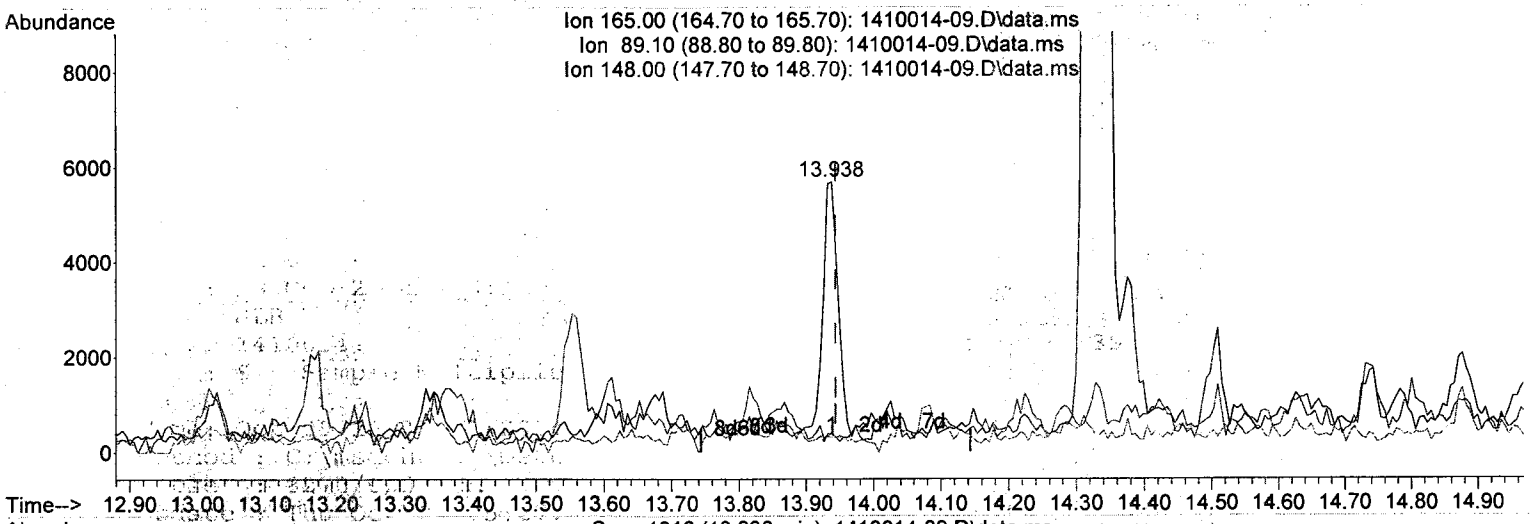
response 108249

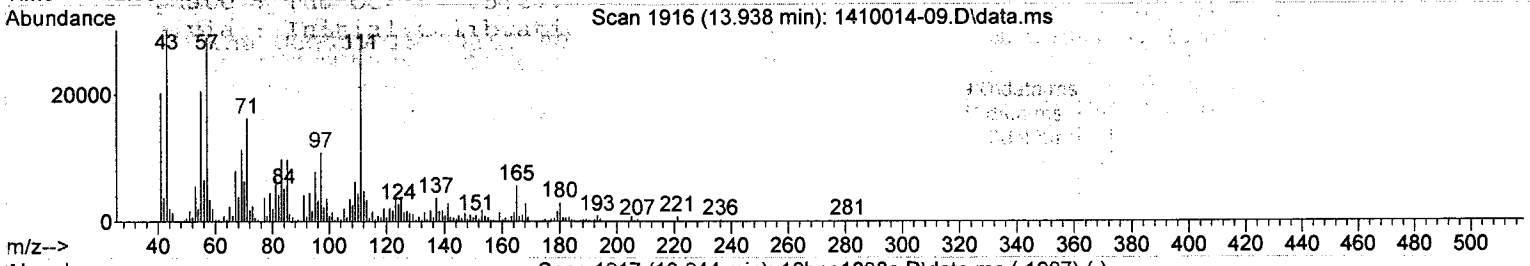
Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	84.73
115.10	33.50	35.00
0.00	0.00	0.00

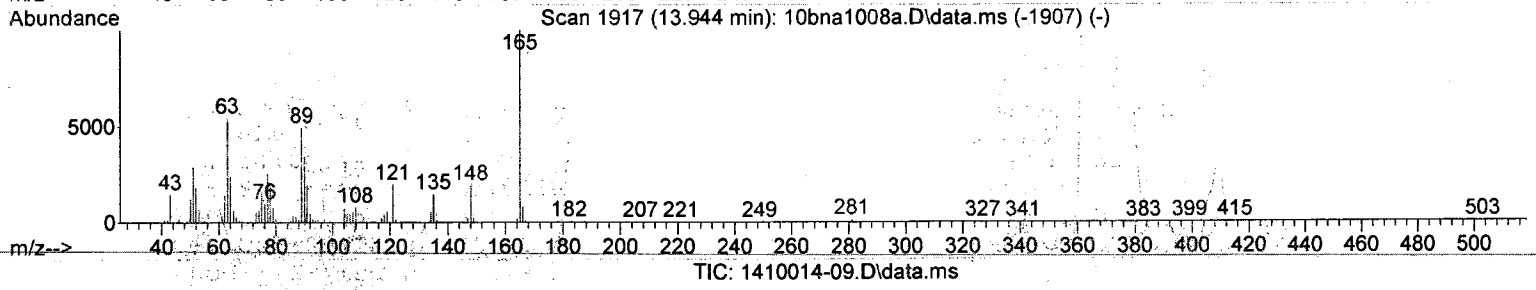
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-09.D\data.ms

(52) 2,6-Dinitrotoluene

13.938min (-0.006) 0.17 ng/uL

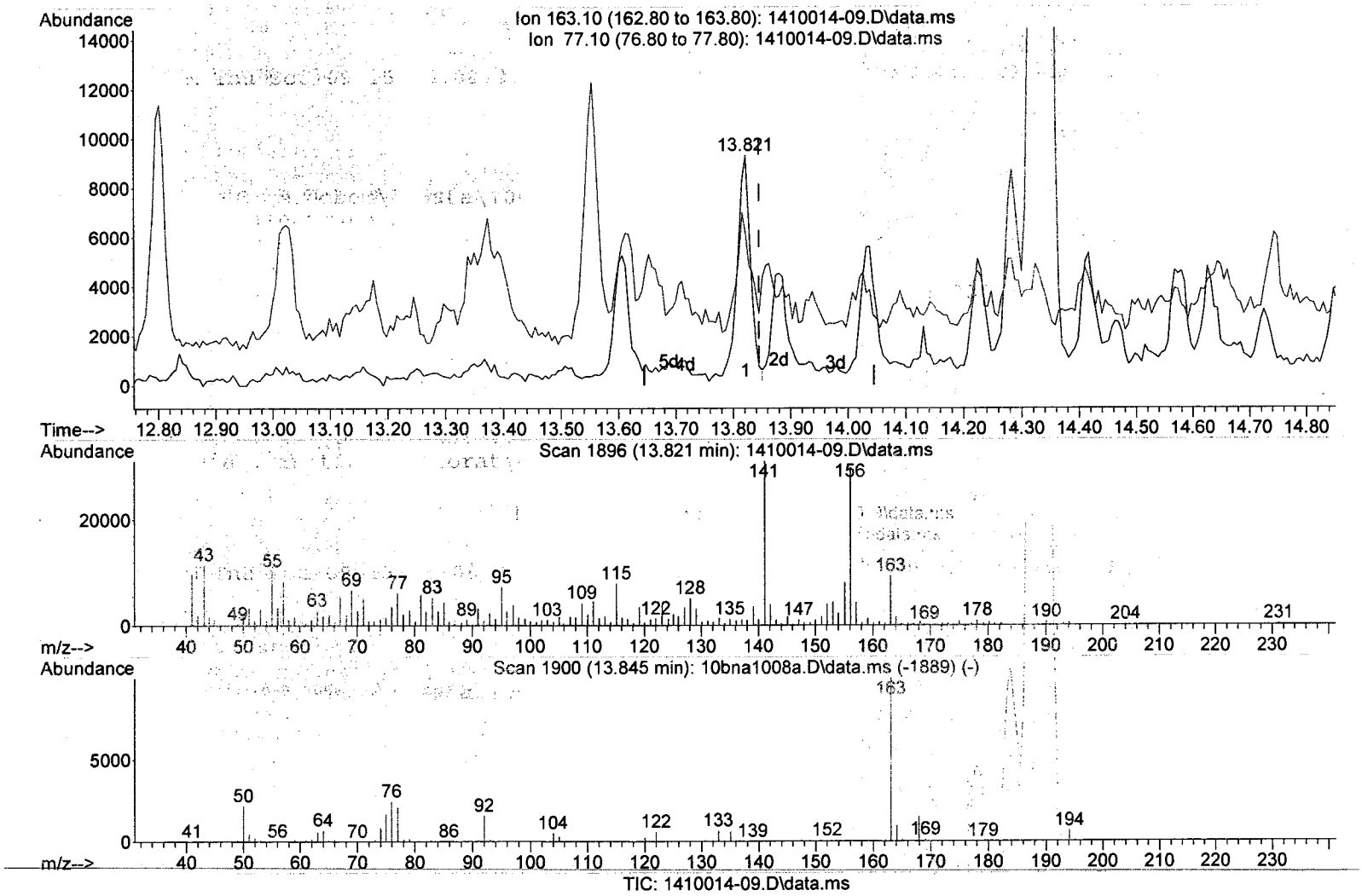
response 8517

Ion	Exp%	Act%
165.00	100.00	100.00
89.10	57.70	3.26#
148.00	20.20	3.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(53) Dimethyl Phthalate

13.821min (-0.023) 0.07 ng/uL

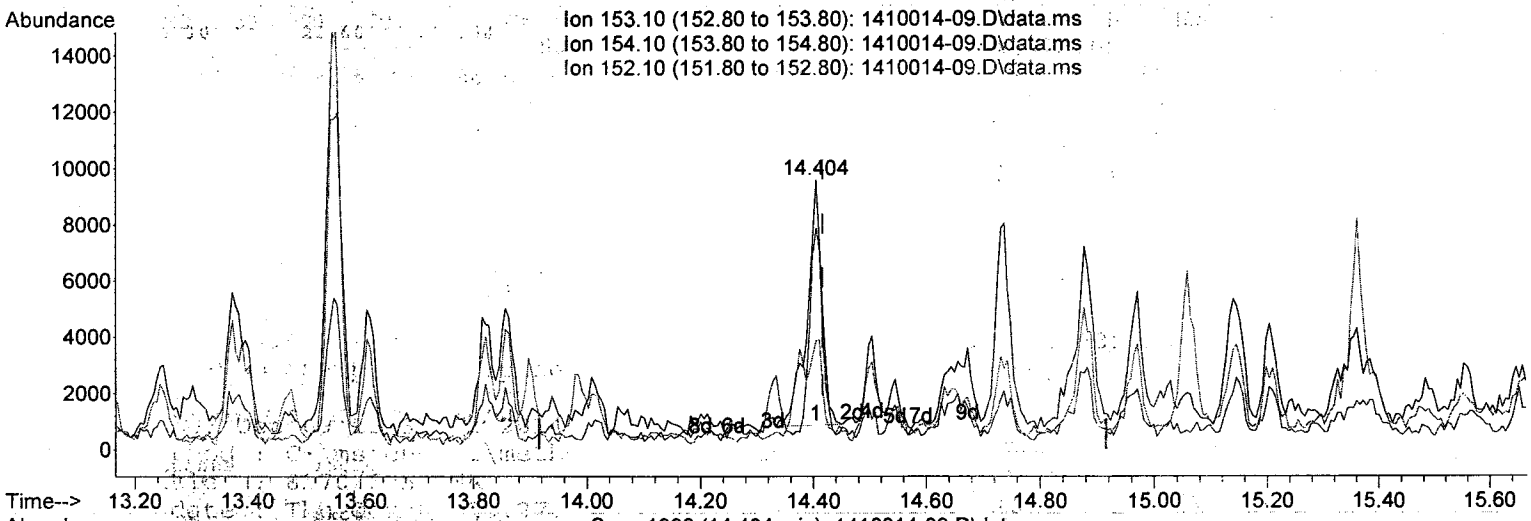
response 15024

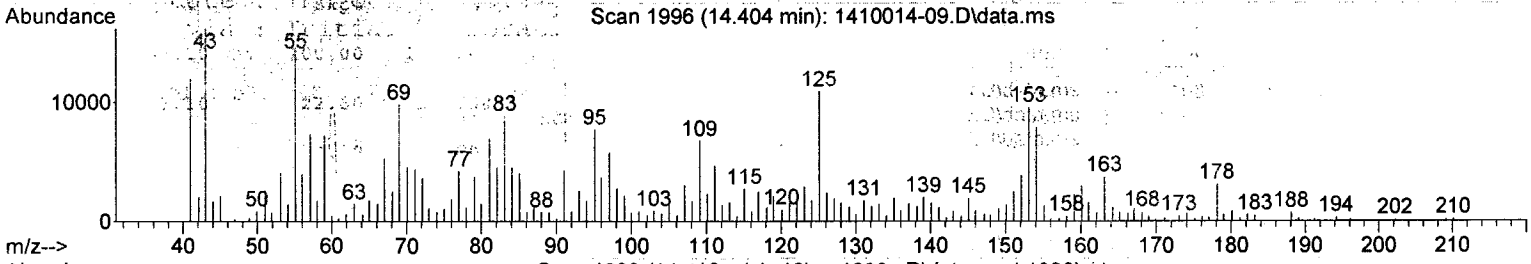
Ion	Exp%	Act%
163.10	100.00	100.00
77.10	92.60	54.73#
0.00	0.00	0.00
0.00	0.00	0.00

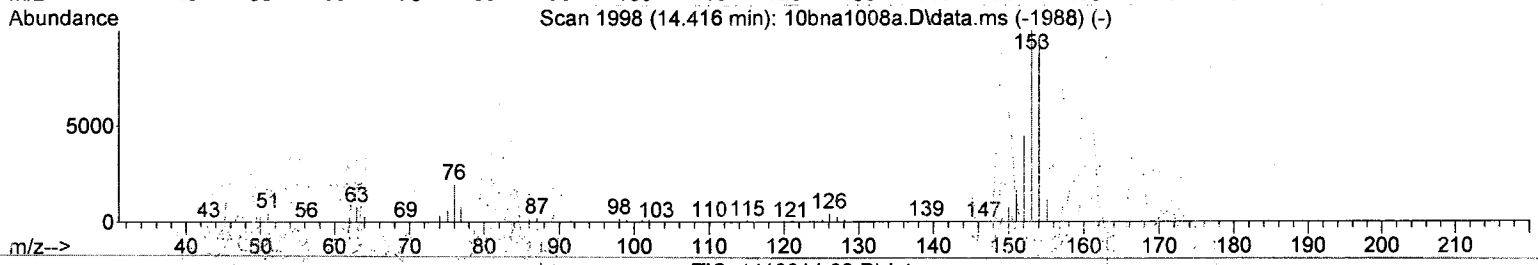
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-09.D\data.ms

(55) Acenaphthene (C)

14.404min (-0.012) 0.08 ng/uL

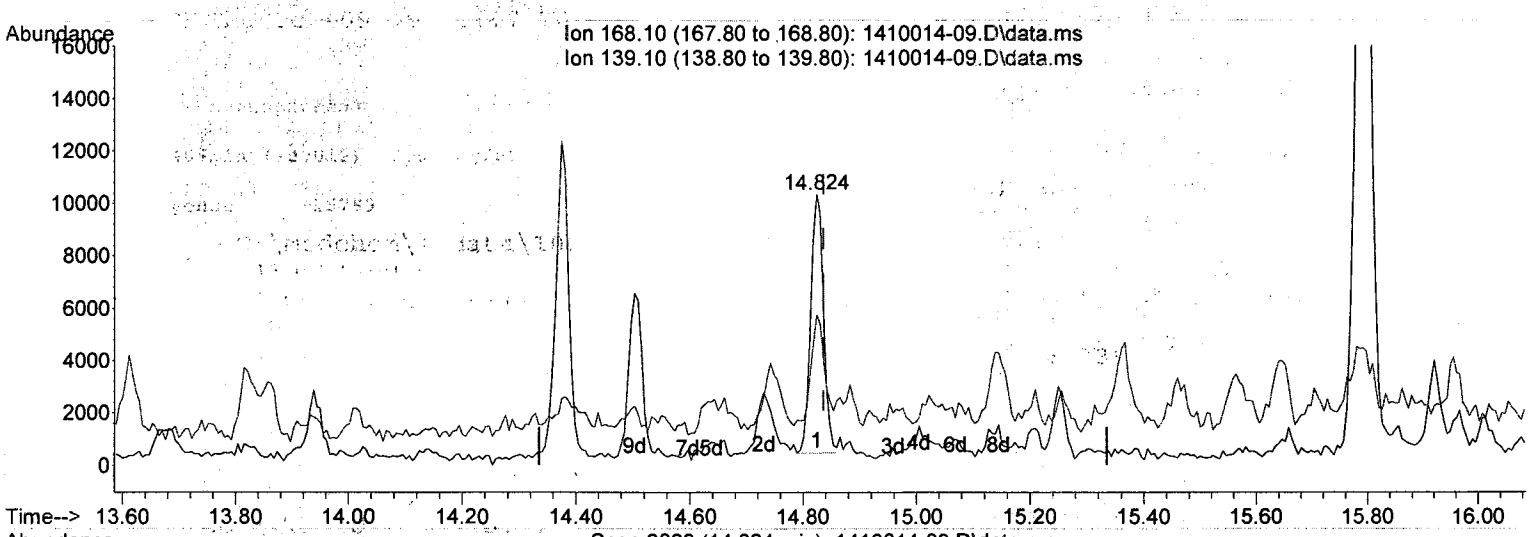
response 15789

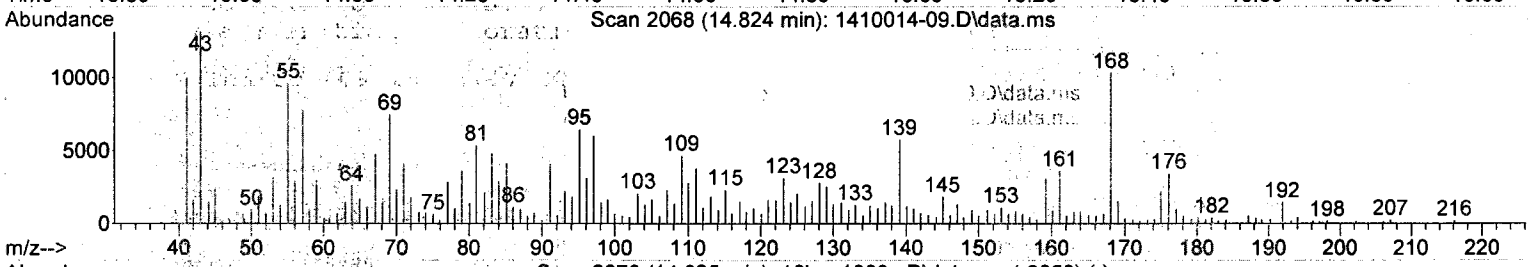
Ion	Exp%	Act%
153.10	100.00	100.00
154.10	93.30	73.18#
152.10	46.00	31.86#
0.00	0.00	0.00

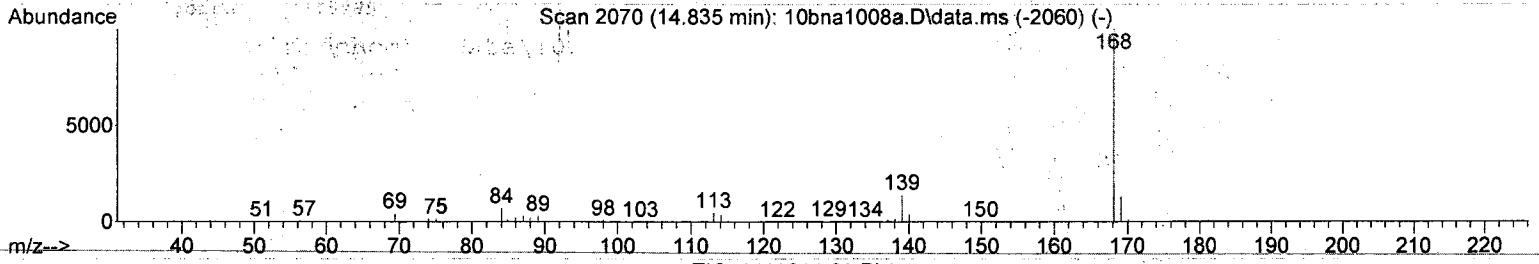
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-09.D\data.ms

(57) Dibenzofuran (P)

14.824min (-0.012) 0.06 ng/uL

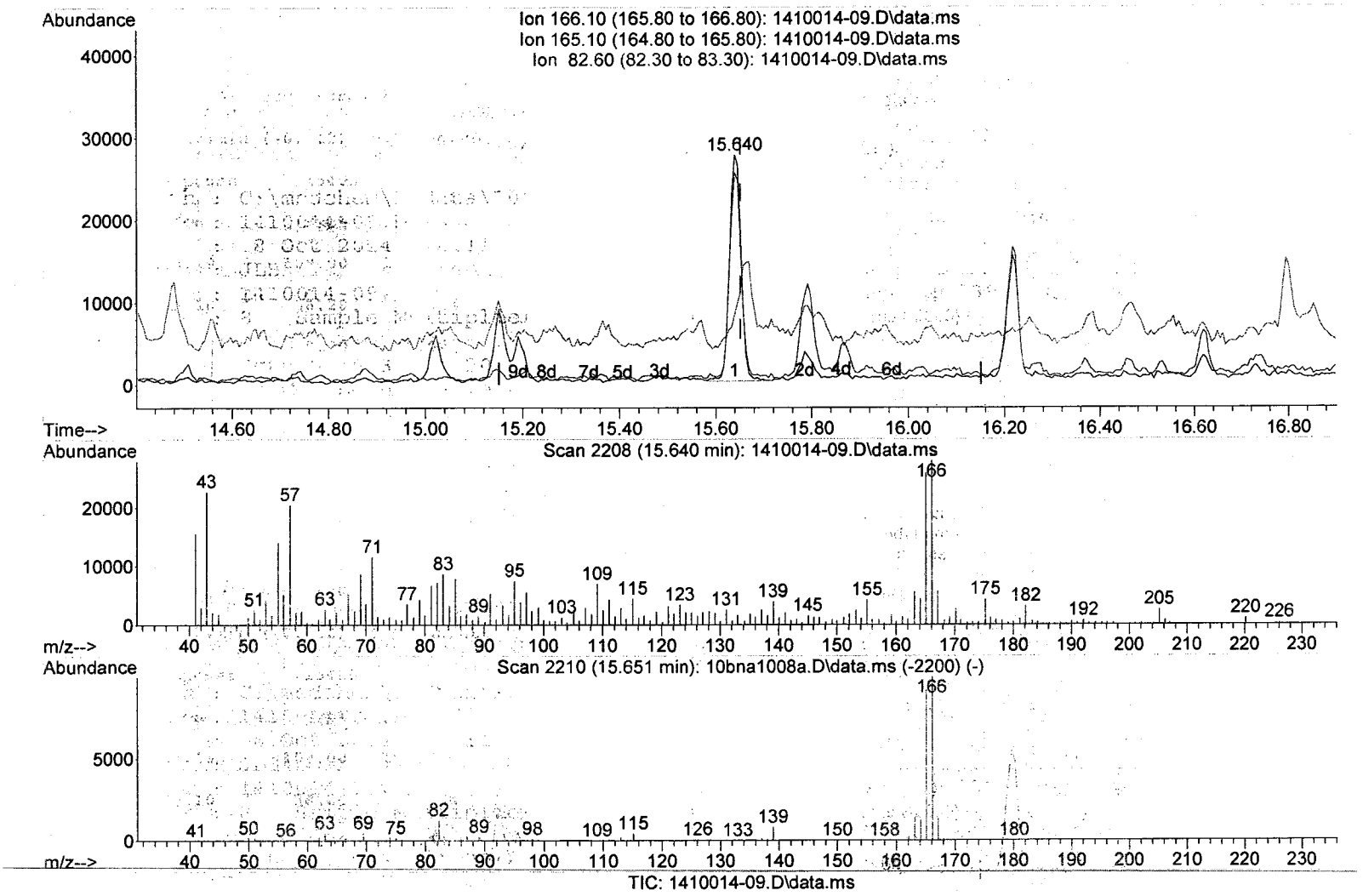
response 15405

Ion	Exp%	Act%
168.10	100.00	100.00
139.10	38.20	50.04#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(62) Fluorene

15.640min (-0.012) 0.22 ng/uL

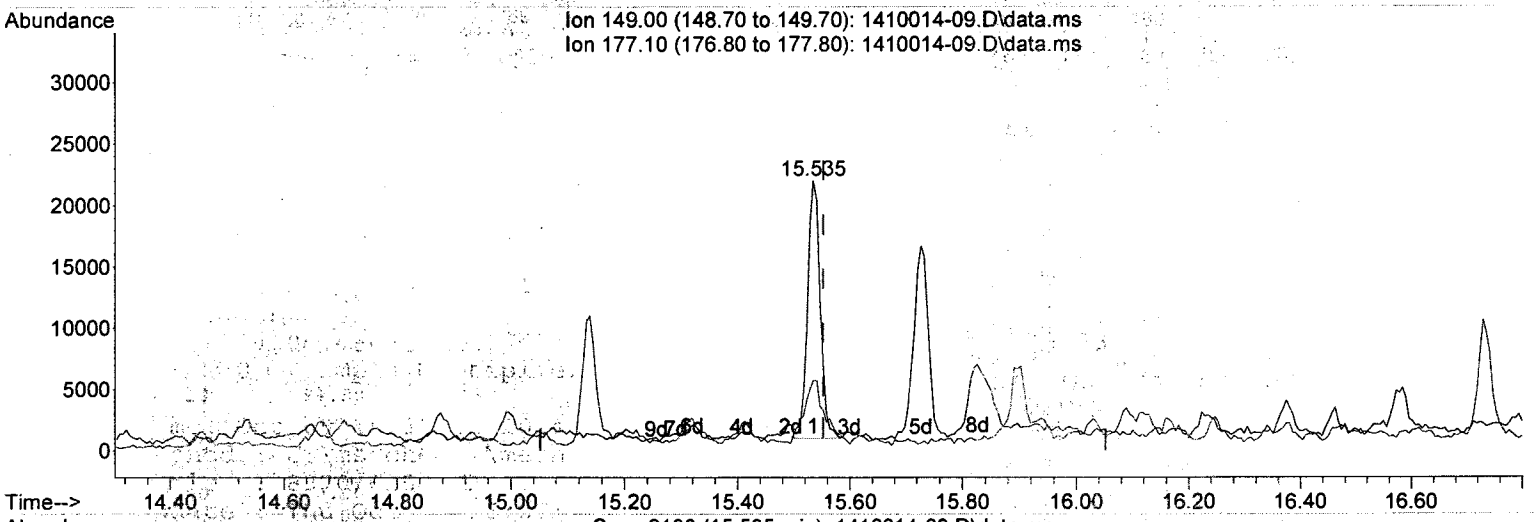
response 45655

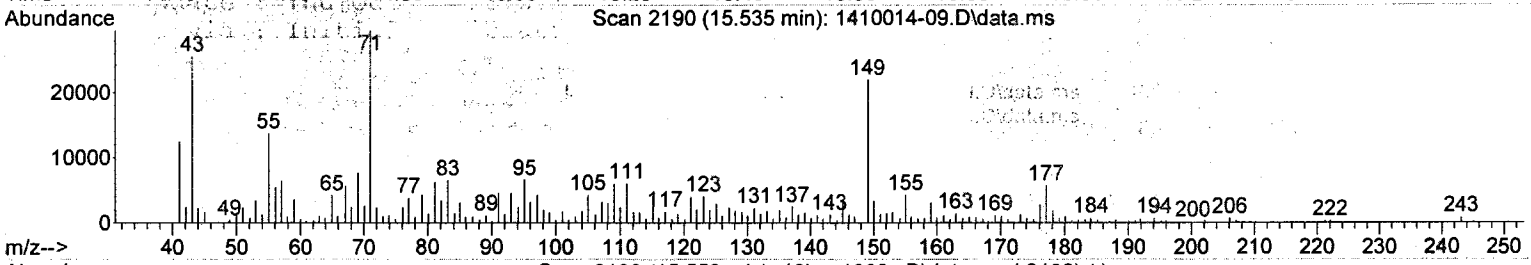
Ion	Exp%	Act%
166.10	100.00	100.00
165.10	94.50	93.43
82.60	15.40	58.67#
0.00	0.00	0.00

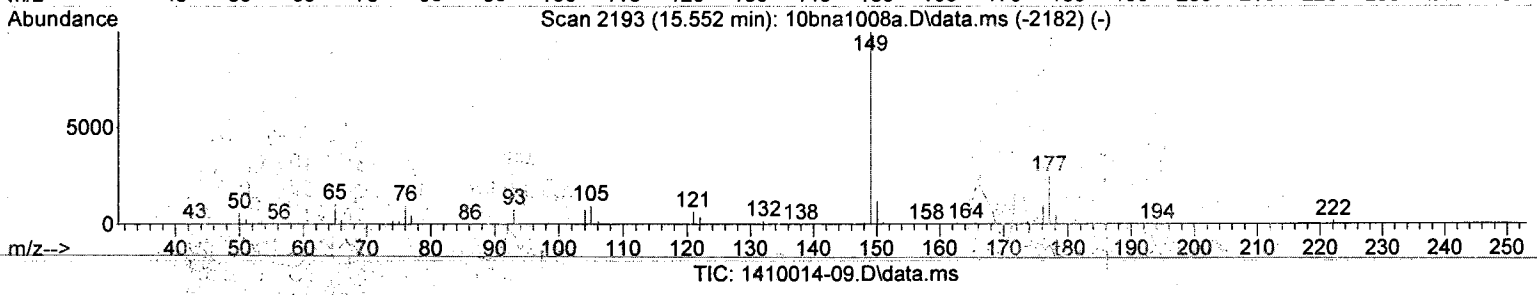
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-09.D\data.ms

(63) Diethyl Phthalate

15.535min (-0.017) 0.17 ng/uL

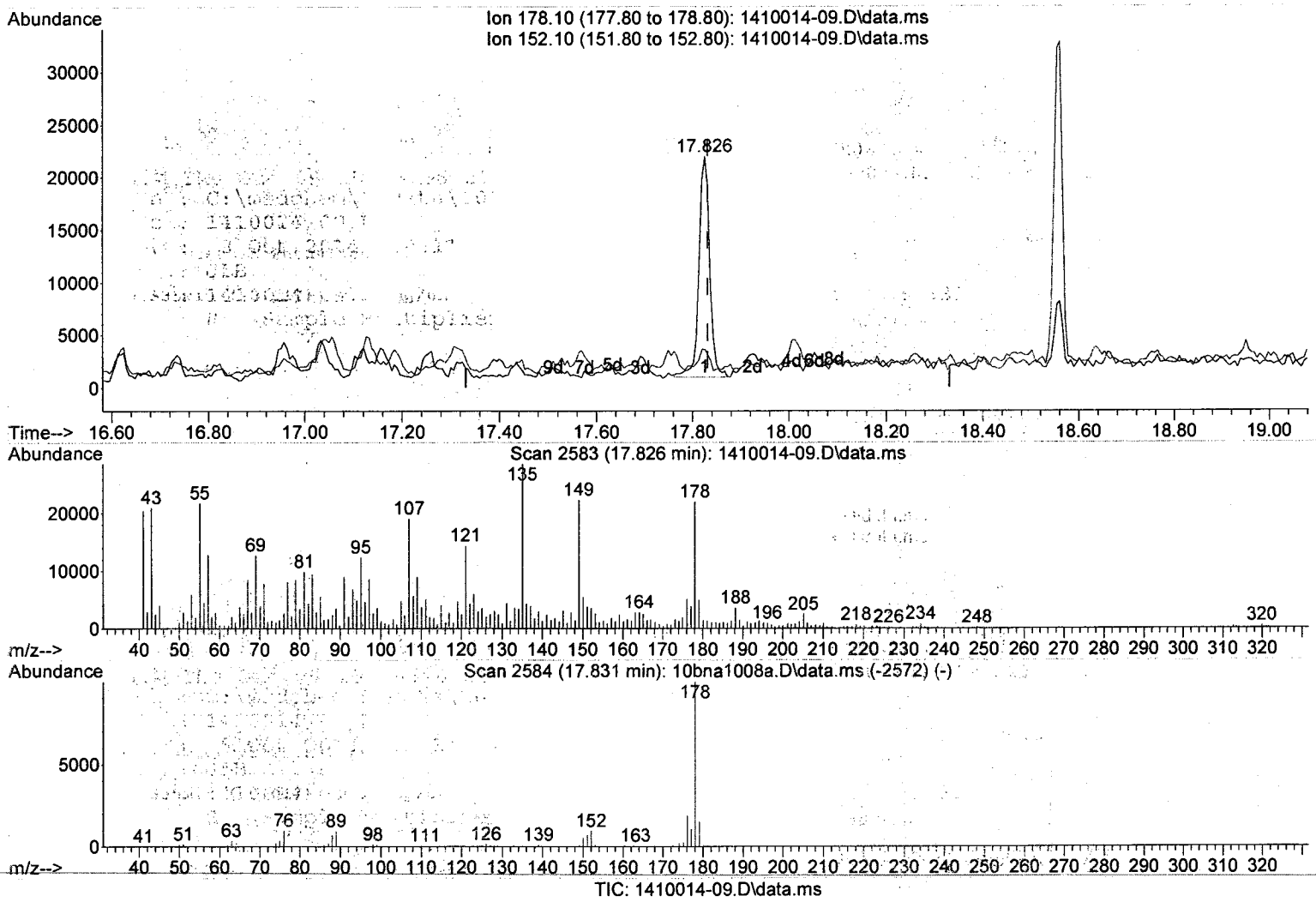
response 32827

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	41.84#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(75) Phenanthrene

17.826min (-0.006) 0.12 ng/uL

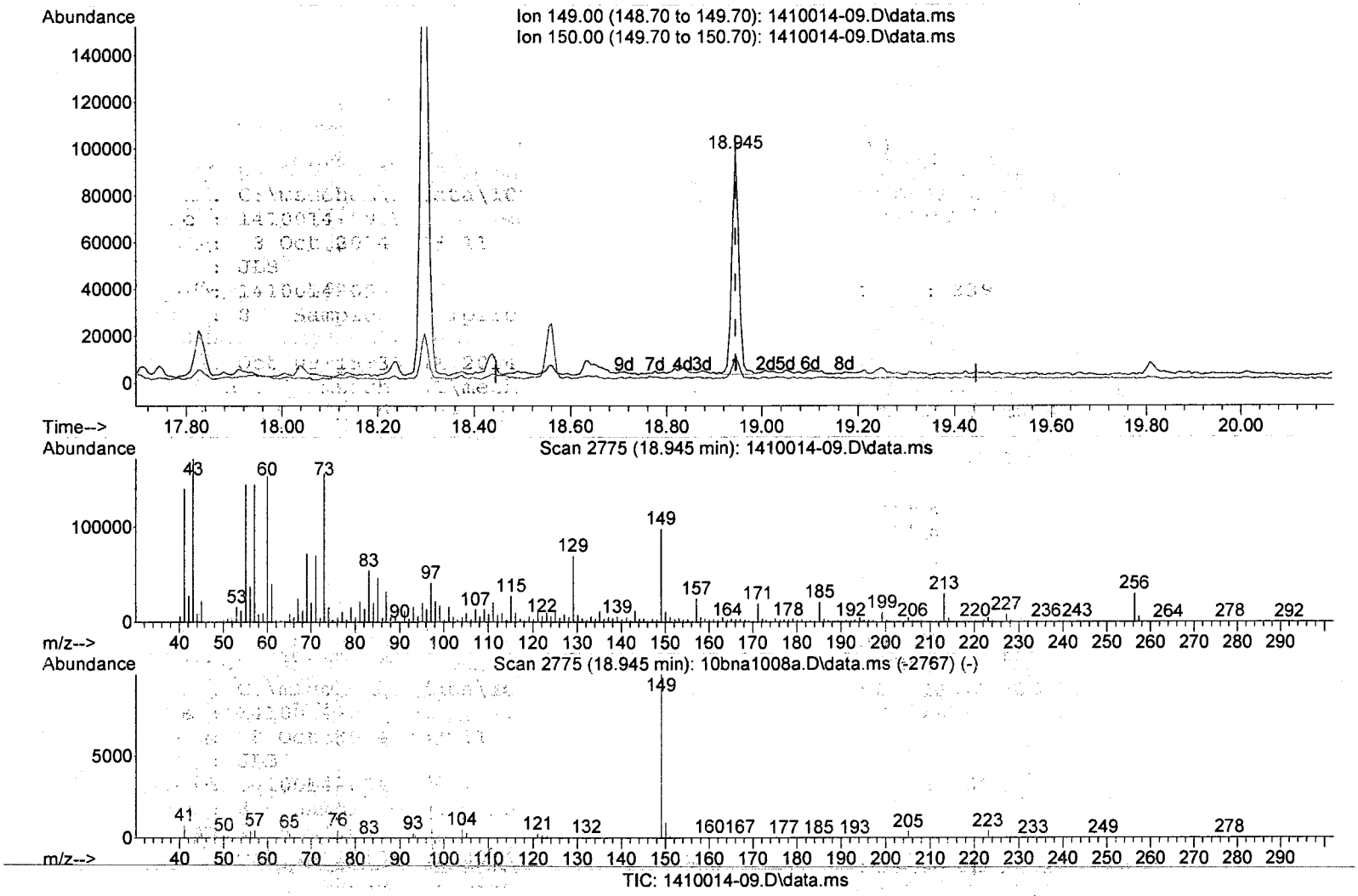
response 32013

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	10.01
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(79) Di-n-butyl Phthalate

18.945min (+ 0.000) 0.37 ng/uL

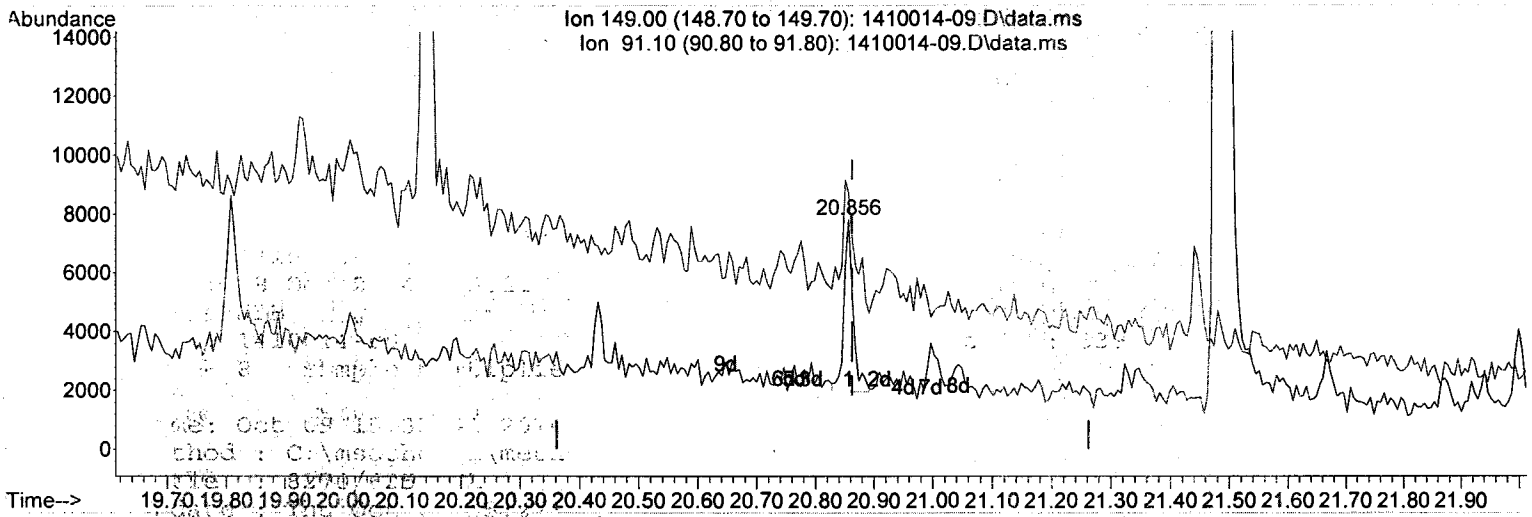
response 97862

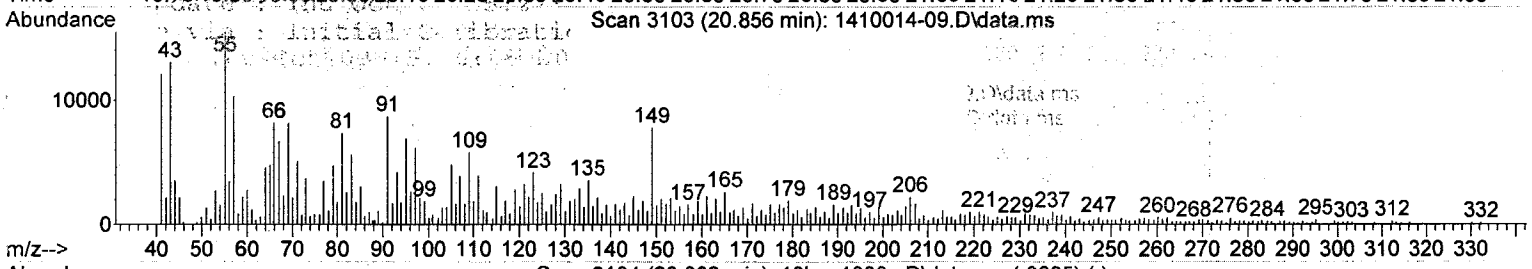
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	11.52#
0.00	0.00	0.00
0.00	0.00	0.00

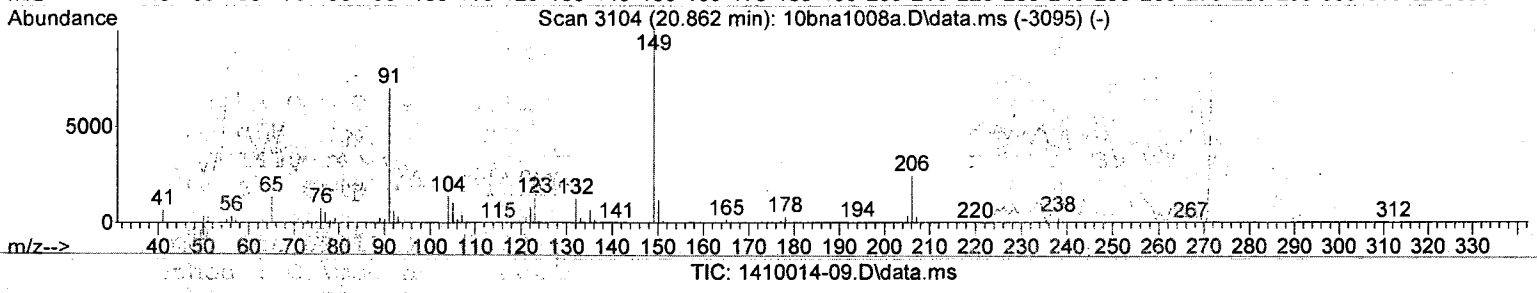
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-09.D\data.ms

(83) Butyl Benzyl Phthalate

20.856min (-0.006) 0.06 ng/uL

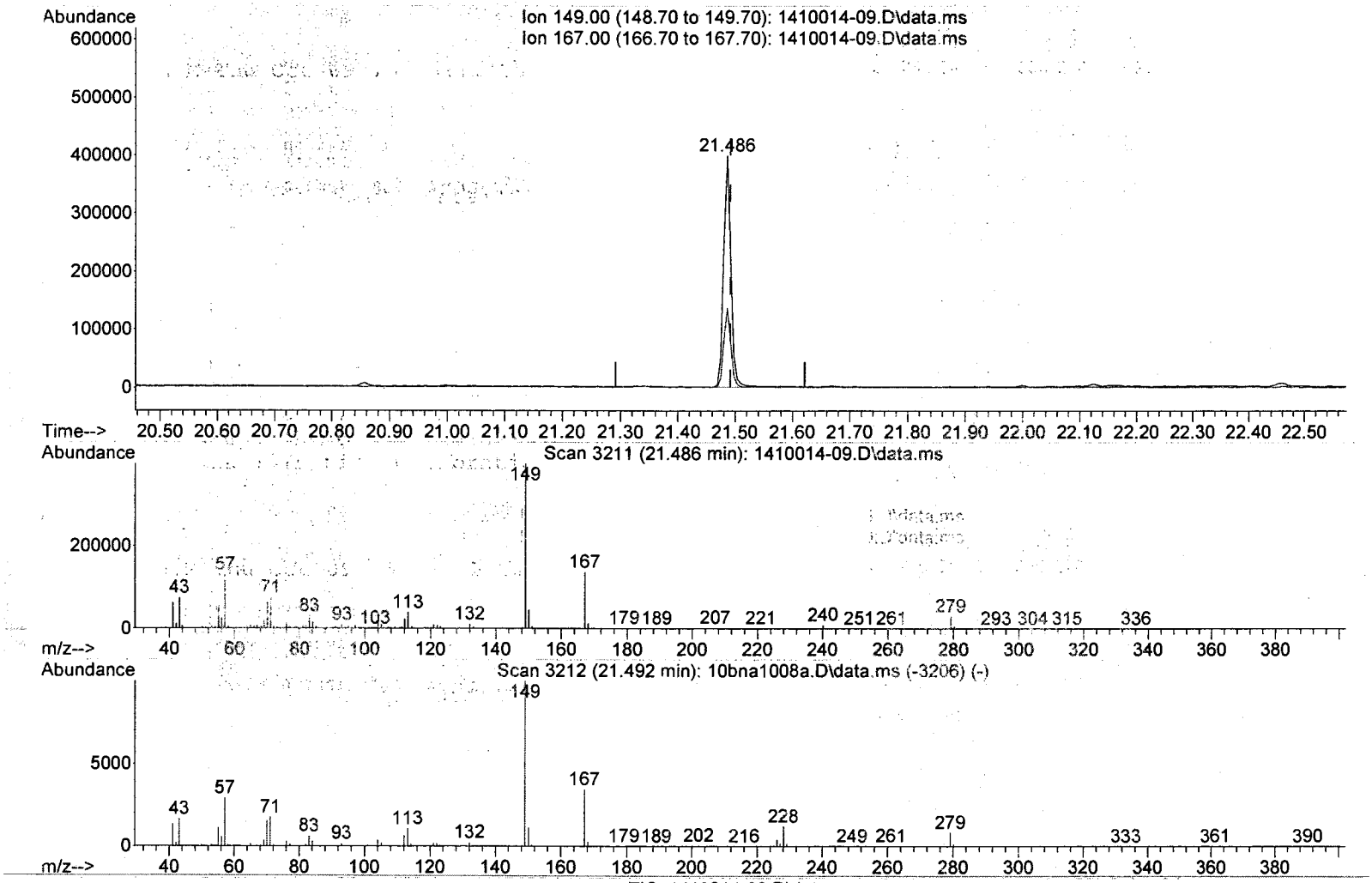
response 6315

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	114.36#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-09.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.486min (-0.006) 2.70 ng/uL

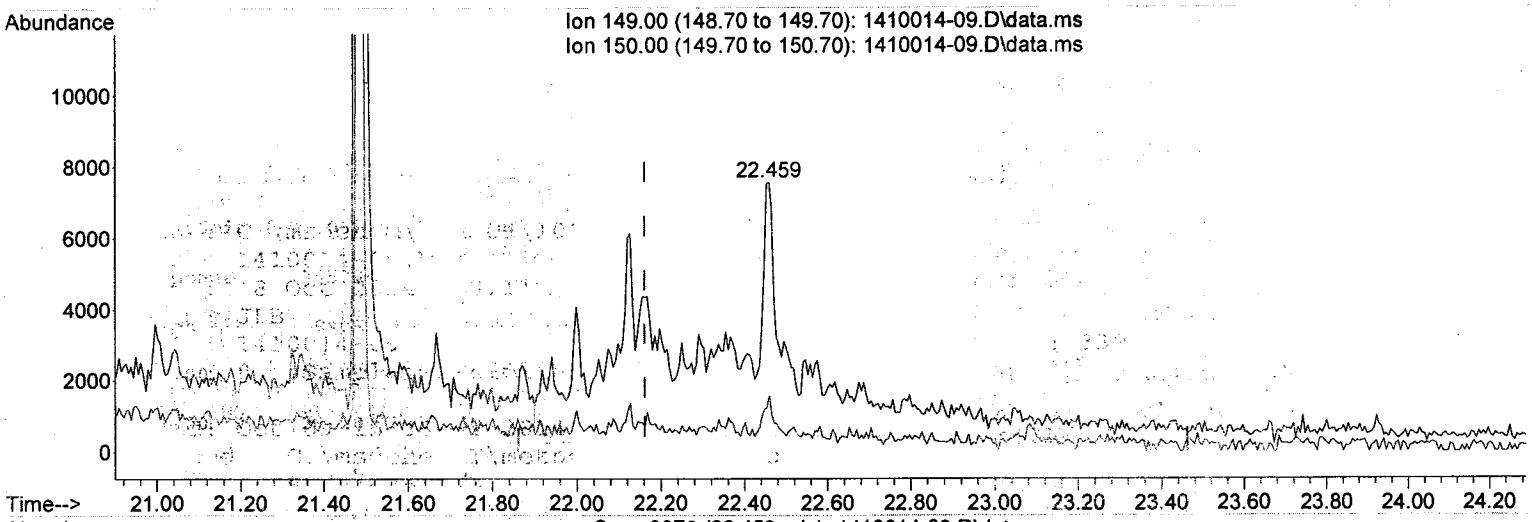
response 355784

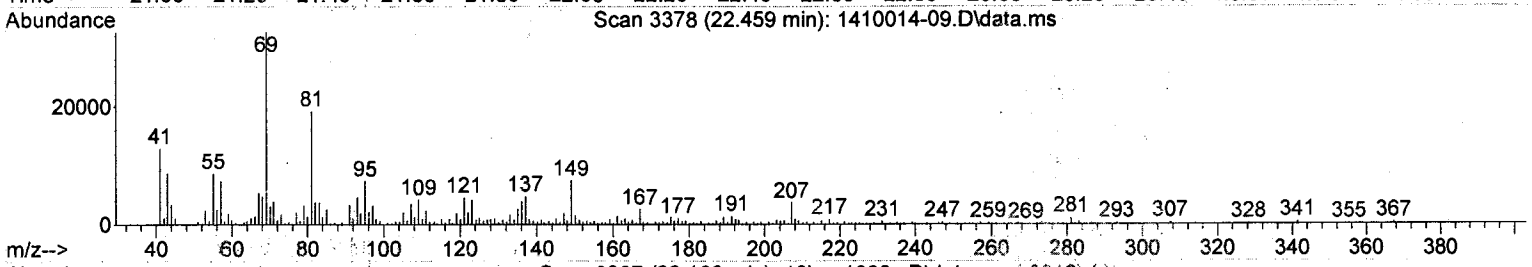
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	99.20	33.50
0.00	0.00	0.00
0.00	0.00	0.00

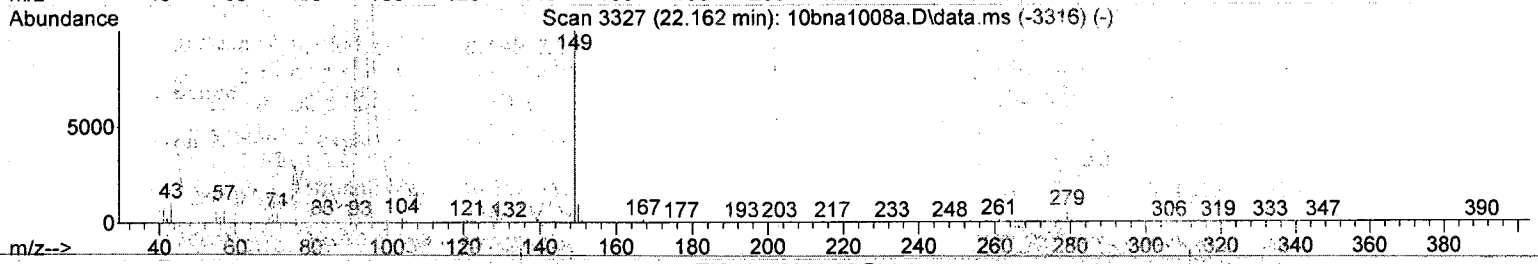
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-09.D
Acq On : 8 Oct 2014 18:11
Operator : JLB
Sample : 1410014-09 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:33:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-09.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.459min (+ 0.297) 0.86 ng/uL

response 124806

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.55#
0.00	0.00	0.00
0.00	0.00	0.00

RT PP

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW09-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410014-10 File ID: 1410014-10.D

Sampled: 09/29/14 11:50 Prepared: 10/02/14 07:47 Analyzed: 10/08/14 21:24

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 970 mL / 1 mL

QC Batch: 1410565 Sequence: 4J09063 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	0.10	0.033	0.10	0.50	U
208-96-8	Acenaphthylene	1	0.050	0.017	0.050	0.50	U
120-12-7	Anthracene	1	0.20	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	1	0.10	0.045	0.10	0.50	U
50-32-8	Benzo(a)pyrene	1	0.10	0.040	0.10	0.50	U
205-99-2	Benzo(b)fluoranthene	1	0.20	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	1	0.20	0.060	0.20	0.50	U
191-24-2	Benzo(g,h,i)perylene	1	0.20	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	1	2.6	0.48	2.0	5.0	J
100-51-6	Benzyl Alcohol	1	0.10	0.049	0.10	0.50	U
101-55-3	4-Bromophenyl Phenyl Ether	1	0.10	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	1	0.14	0.056	0.20	1.0	J
86-74-8	Carbazole	1	0.20	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	1	0.25	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	1	0.25	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	1	0.050	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	1	0.050	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	0.10	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	1	0.050	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	1	0.10	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	0.10	0.048	0.10	0.50	U
218-01-9	Chrysene	1	0.10	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	1	0.25	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	1	0.10	0.041	0.10	0.50	U
84-74-2	Di-n-butyl Phthalate	1	0.44	0.14	1.0	1.0	J
106-46-7	1,4-Dichlorobenzene	1	0.050	0.020	0.050	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.10	0.040	0.10	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.10	0.041	0.10	0.50	U
91-94-1	3,3´-Dichlorobenzidine	1	0.50	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	1	0.20	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	1	0.13	0.065	0.25	0.50	J
105-67-9	2,4-Dimethylphenol	1	0.50	0.17	0.50	1.0	U
131-11-3	Dimethyl Phthalate	1	0.062	0.046	0.10	0.50	J
534-52-1	4,6-Dinitro-2-methylphenol	1	4.0	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	1	5.0	1.2	5.0	5.0	U
606-20-2	2,6-Dinitrotoluene	1	0.20	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	1	0.10	0.048	0.10	0.50	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW09-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410014-10 File ID: 1410014-10.D

Sampled: 09/29/14 11:50 Prepared: 10/02/14 07:47 Analyzed: 10/08/14 21:24

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 970 mL / 1 mL

QC Batch: 1410565 Sequence: 4J09063 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	0.20	0.077	0.20	0.50	U
122-66-7	1,2-Diphenylhydrazine	1	0.10	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	11	0.11	0.50	0.50	
206-44-0	Fluoranthene	1	0.20	0.063	0.20	0.50	U
86-73-7	Fluorene	1	0.10	0.041	0.10	0.50	U
118-74-1	Hexachlorobenzene	1	0.20	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	1	0.10	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	1	0.10	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.25	0.080	0.25	0.50	U
78-59-1	Isophorone	1	0.10	0.045	0.10	0.50	U
91-57-6	2-Methylnaphthalene	1	0.021	0.015	0.050	0.50	**J**
108-39-4	3+4-Methylphenol	1	0.20	0.057	0.20	5.0	U
95-48-7	2-Methylphenol	1	0.20	0.048	0.20	0.50	U
91-20-3	Naphthalene	1	0.041	0.031	0.10	0.50	**J**
100-01-6	4-Nitroaniline	1	1.0	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	1	0.50	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	1	0.50	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	1	0.20	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	1	0.20	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	1	5.0	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	1	0.10	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	1	0.20	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	1	0.20	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	1	0.50	0.13	0.50	0.50	U
85-01-8	Phenanthrene	1	0.10	0.043	0.10	0.50	U
108-95-2	Phenol	1	0.10	0.034	0.10	0.50	U
129-00-0	Pyrene	1	0.20	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.10	0.027	0.10	0.50	U
95-95-4	2,4,5-Trichlorophenol	1	0.25	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	1	0.25	0.085	0.25	0.50	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	20.6	6.81	33	19 - 119	
Phenol-d6	20.6	5.16	25	18 - 45	
Nitrobenzene-d5	10.3	7.75	75	44 - 120	
2-Fluorobiphenyl	10.3	7.84	76	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW09-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1410014-10
File ID: 1410014-10.D
Sampled: 09/29/14 11:50
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 21:24
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 970 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09063
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	20.6	11.8	57	43 - 140	
o-Terphenyl	10.3	8.81	85	42 - 125	

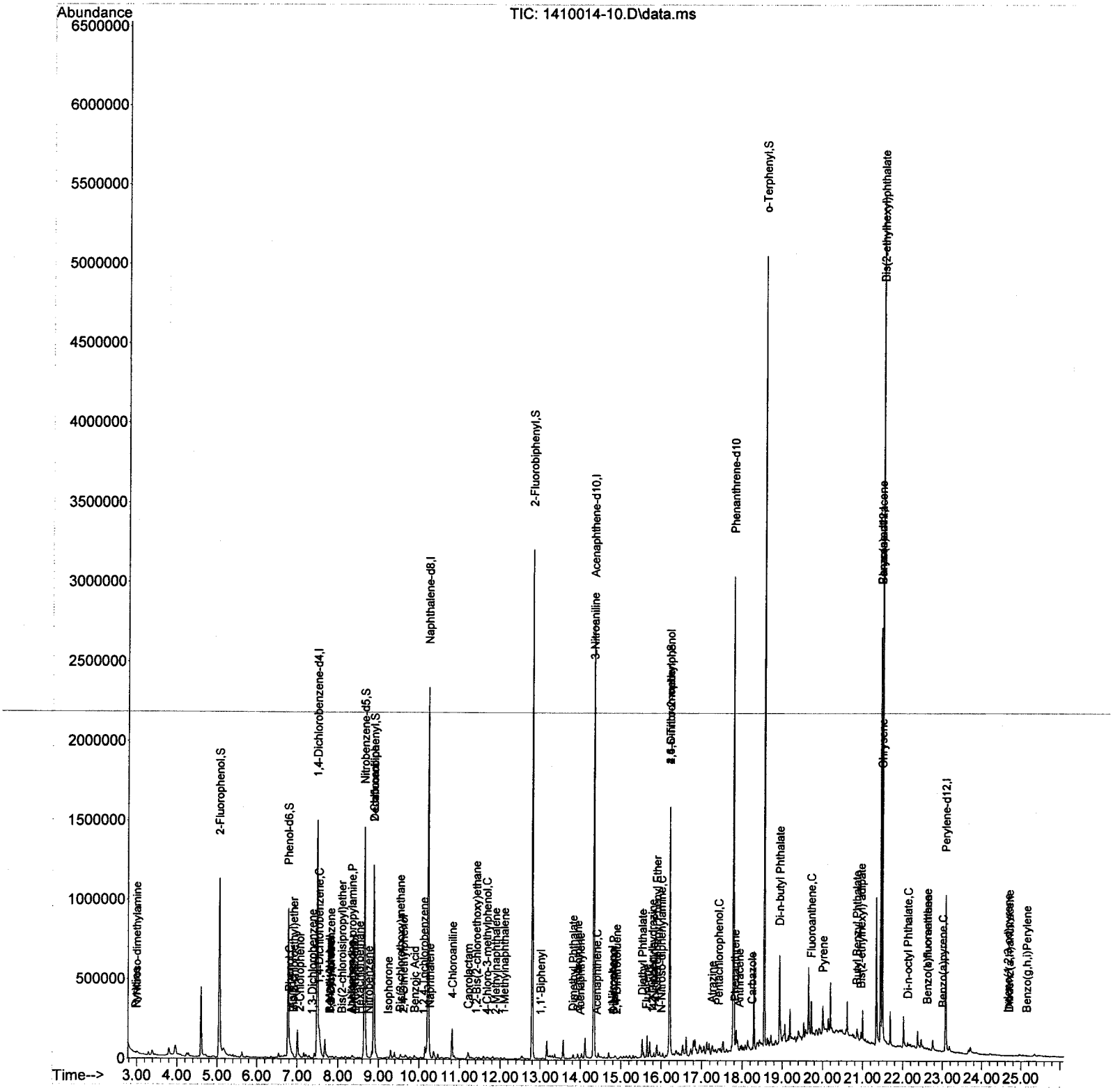
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	519354	7.486	403279	7.614	
Naphthalene-d8	1989145	10.225	1529030	10.359	
Acenaphthene-d10	1129736	14.329	866604	14.474	
Phenanthrene-d10	1693251	17.779	1400442	17.901	
Chrysene-d12	1144737	21.445	1153654	21.538	
Perylene-d12	563258	23.083	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:43:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:43:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.486	152	519354	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.225	136	1989145	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.329	164	1129736	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.779	188	1693251	5.00	ng/uL	0.00
81) Chrysene-d12	21.445	240	1144737	5.00	ng/uL	# 0.00
89) Perylene-d12	23.083	264	563258	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.061	112	784011	6.61	ng/uL	-0.01
6) Phenol-d6	6.780	99	769547	5.01	ng/uL	-0.02
21) Nitrobenzene-d5	8.651	82	956417	7.52	ng/uL	-0.01
23) Decafluorobiphenyl	8.885	334	578356	6.49	ng/uL	0.00
47) 2-Fluorobiphenyl	12.801	172	1774609	7.60	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.211	330	295207	11.49	ng/uL	-0.01
78) o-Terphenyl	18.554	230	1240756	8.55	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.998	74	127	0.00	ng/uL#	1
3) Pyridine	2.968	79	175	0.00	ng/uL	93
5) Aniline	6.880	93	131	0.22	ng/uL#	33
7) Phenol	6.804	94	4515	0.03	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.909	93	344	0.00	ng/uL#	21
9) 2-Chlorophenol	7.060	128	419	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.363	146	558	0.00	ng/uL#	66
11) 1,4-Dichlorobenzene	7.526	146	534	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	7.818	146	102	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.098	45	223	0.00	ng/uL#	51
14) Benzyl Alcohol	7.795	108	2099	0.02	ng/uL	94
15) 2-Methylphenol	7.795	108	2099	0.02	ng/uL#	59
16) Acetophenone	8.331	105	7759	0.04	ng/uL#	56
17) Hexachloroethane	8.529	119	5366	0.10	ng/uL#	3
18) 4-Methylphenol	8.395	108	55	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.348	70	2573	0.03	ng/uL#	67
22) Nitrobenzene	8.751	77	132	0.00	ng/uL#	30
24) Isophorone	9.234	82	3859	0.02	ng/uL#	87
25) 2-Chloroaniline	8.879	127	7294	0.04	ng/uL#	61
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.613	107	109	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.532	93	200	0.00	ng/uL	96
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.893	105	2315	2.48	ng/uL#	52
31) 1,2,4-Trichlorobenzene	10.114	180	129	0.00	ng/uL#	56
32) Naphthalene	10.266	128	16091	0.04	ng/uL#	2
33) 4-Chloroaniline	10.825	127	492	0.01	ng/uL#	44
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.216	55	13710	0.24	ng/uL#	40
37) 1,2-Bis(2-chloroethoxy...	11.420	63	107	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.676	107	562	0.01	ng/uL#	1
39) 2-Methylnaphthalene	11.886	142	3998	0.02	ng/uL#	92
40) 1-Methylnaphthalene	12.108	142	2668	0.01	ng/uL	95
41) 1,3 Dinitrobenzene	13.682	168	53	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:43:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	0.000		0	N.D.	
49) 1,1'-Biphenyl	13.011	154	1928	0.01 ng/uL#	74
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.996	152	110	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.932	165	1827	0.03 ng/uL#	34
53) Dimethyl Phthalate	13.816	163	13698	0.06 ng/uL	99
54) 3-Nitroaniline	14.323	138	198	0.00 ng/uL#	1
55) Acenaphthene	14.404	153	850	0.00 ng/uL#	37
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.818	168	797	0.00 ng/uL#	78
58) 4-Nitrophenol	14.789	65	132	0.00 ng/uL#	1
59) 2,4-Dinitrotoluene	14.888	165	125	0.00 ng/uL#	49
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.634	166	1921	0.01 ng/uL#	39
63) Diethyl Phthalate	15.529	149	30895	0.13 ng/uL	92
64) 4-Chlorophenyl Phenyl ...	15.891	204	2451	0.02 ng/uL#	11
65) 4-Nitroaniline	15.815	138	369	0.01 ng/uL#	56
67) 4,6-Dinitro-2-methylph...	16.211	198	809	1.01 ng/uL#	1
68) N-Nitroso-diphenylamine	16.001	169	1873	0.01 ng/uL#	34
69) 1,2-Diphenylhydrazine	15.780	182	525	0.01 ng/uL	91
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.254	200	142	0.00 ng/uL#	1
74) Pentachlorophenol	17.418	266	366	0.01 ng/uL#	1
75) Phenanthrene	17.820	178	7244	0.02 ng/uL#	81
76) Anthracene	17.925	178	1284	0.00 ng/uL#	1
77) Carbazole	18.245	167	1949	0.01 ng/uL#	60
79) Di-n-butyl Phthalate	18.939	149	138805	0.43 ng/uL	98
80) Fluoroanthene	19.720	202	5509	0.02 ng/uL#	87
82) Pyrene	20.011	202	7593	0.03 ng/uL#	37
83) Butyl Benzyl Phthalate	20.851	149	14899	0.14 ng/uL	98
84) Bis(2-ethylhexyl) adipate	20.956	129	9907	0.16 ng/uL#	100
85) Benzo(a)anthracene	21.445	228	4145	0.02 ng/uL#	1
86) Chrysene	21.474	228	1179	0.01 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.486	149	1453507	10.59 ng/uL	90
88) Di-n-octyl Phthalate	22.121	149	81772	0.66 ng/uL#	78
90) Benzo(b)fluoroanthene	22.617	252	2207	0.02 ng/uL#	83
91) Benzo(k)fluoranthene	22.617	252	2207	0.02 ng/uL#	83
92) Benzo(a)pyrene	23.007	252	1016	0.01 ng/uL#	1
93) Indeno(1,2,3-cd)pyrene	24.663	276	2058	0.02 ng/uL#	76
94) Dibdenz(a,h)anthracene	24.703	278	1211	0.02 ng/uL#	45
95) Benzo(g,h,i)Perylene	25.146	276	1758	0.02 ng/uL#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 09:06:40 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration

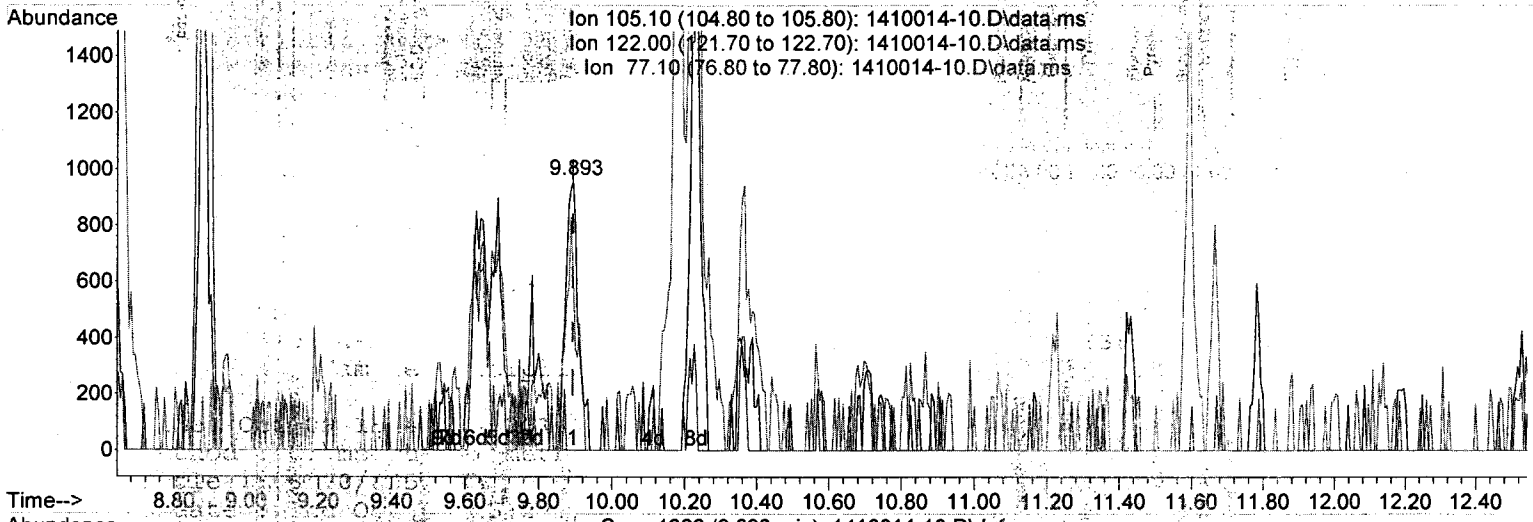
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.486	152	506075	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.225	136	1989145	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.329	164	1126245	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.779	188	1693251	5.00	ng/uL		0.00
19) Chrysene-d12	21.445	240	1144737	5.00	ng/uL	#	0.00
22) Perylene-d12	23.083	264	563258	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.998	74	127	0.00	ng/uL	#	1
3) Pyridine	2.968	79	175	0.00	ng/uL		93
4) Aniline	6.880	93	131	0.00	ng/uL	#	33
5) Benzaldehyde	6.652	105	8396	0.08	ng/uL	#	57
6) Acetophenone	8.331	105	7759	0.04	ng/uL	#	56
7) N-Nitroso-di-n-propyla...	8.348	70	2573	0.03	ng/uL	#	67
9) 4-Chloroaniline	10.272	127	1787	0.02	ng/uL		99
10) Caprolactam	11.216	55	7101	0.21	ng/uL	#	43
12) 1,1'-Biphenyl	13.011	154	1928	0.01	ng/uL	#	74
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.323	138	198	Below Cal		#	1
15) 4-Nitroaniline	15.815	138	369	Below Cal		#	56
17) N-Nitroso-diphenylamine	16.001	169	1873	0.01	ng/uL	#	34
18) Atrazine	17.254	200	142	Below Cal		#	1
20) Benzidine	19.965	184	138	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.428	252	116	0.00	ng/uL	#	19

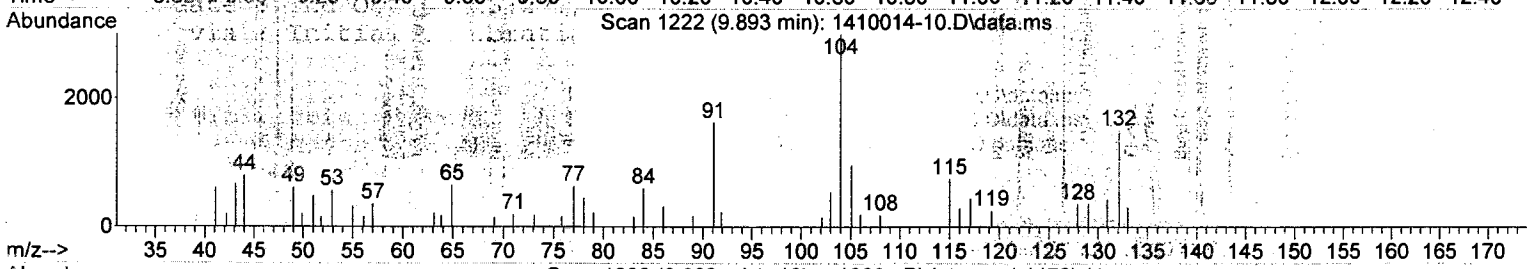
(#) = qualifier out of range (m) = manual integration (+) = signals summed

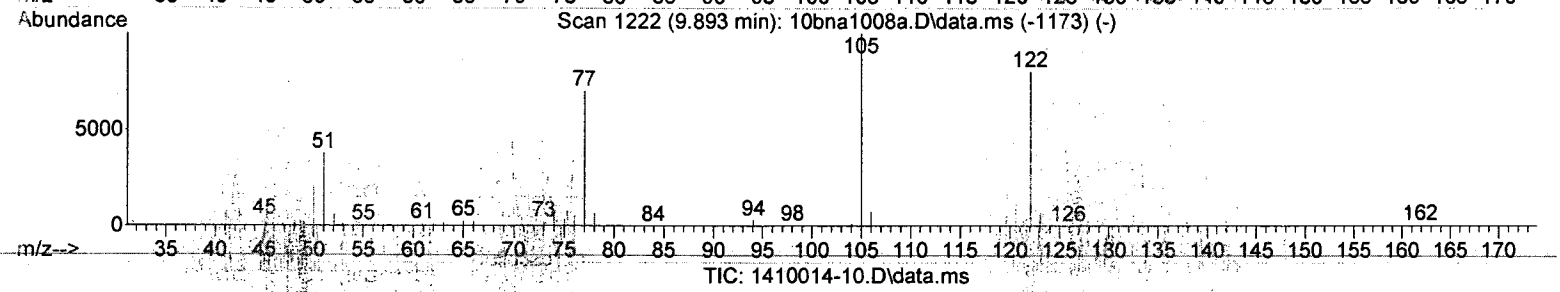
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:43:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-10.D\data.ms

(30) Benzoic Acid

9.893min (- 0.000) 2.48 ng/uL

response 2315

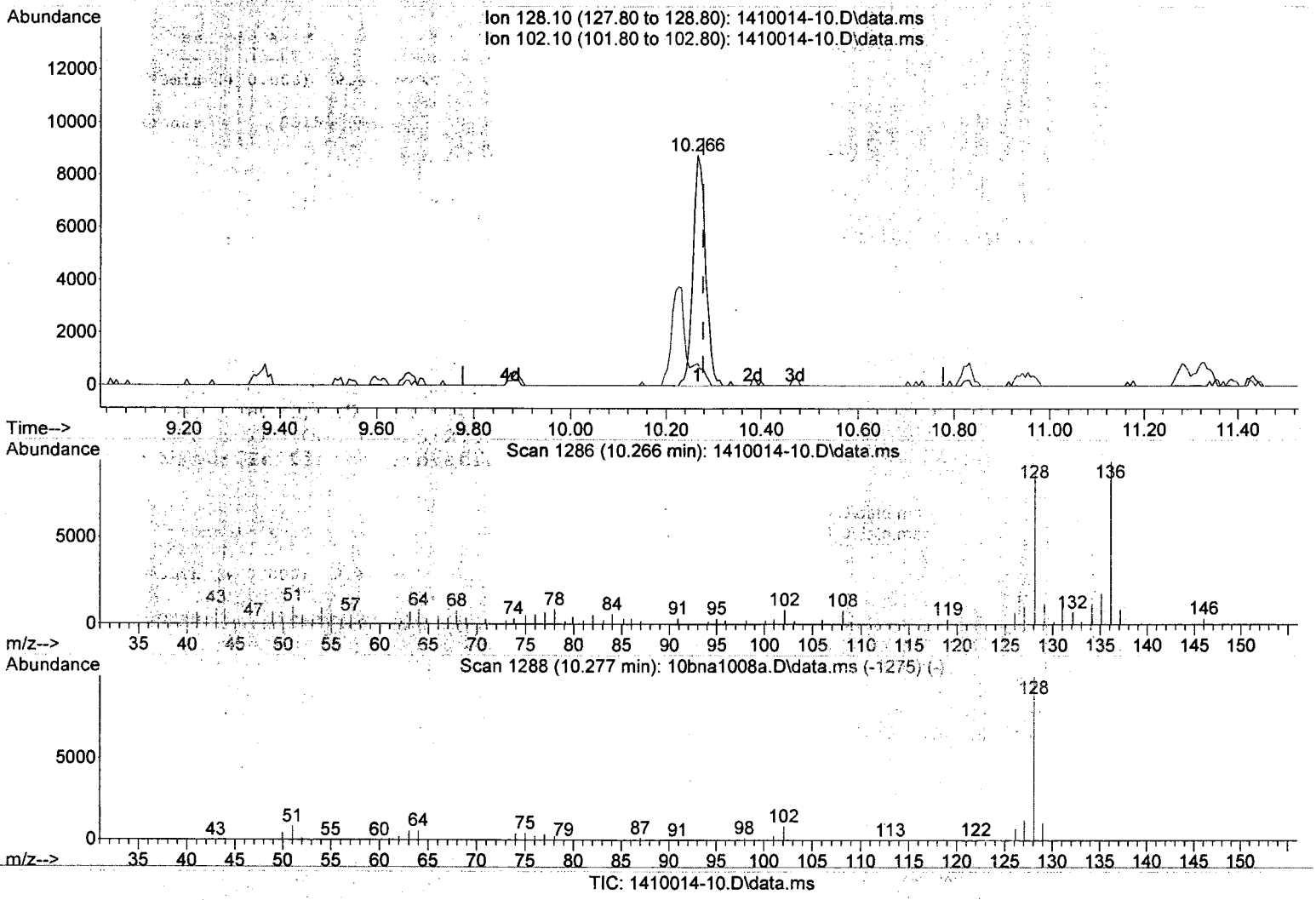
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	76.41
0.00	0.00	0.00

003517

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:43:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-10.D\data.ms

(32) Naphthalene

10.266min (-0.011) 0.04 ng/uL

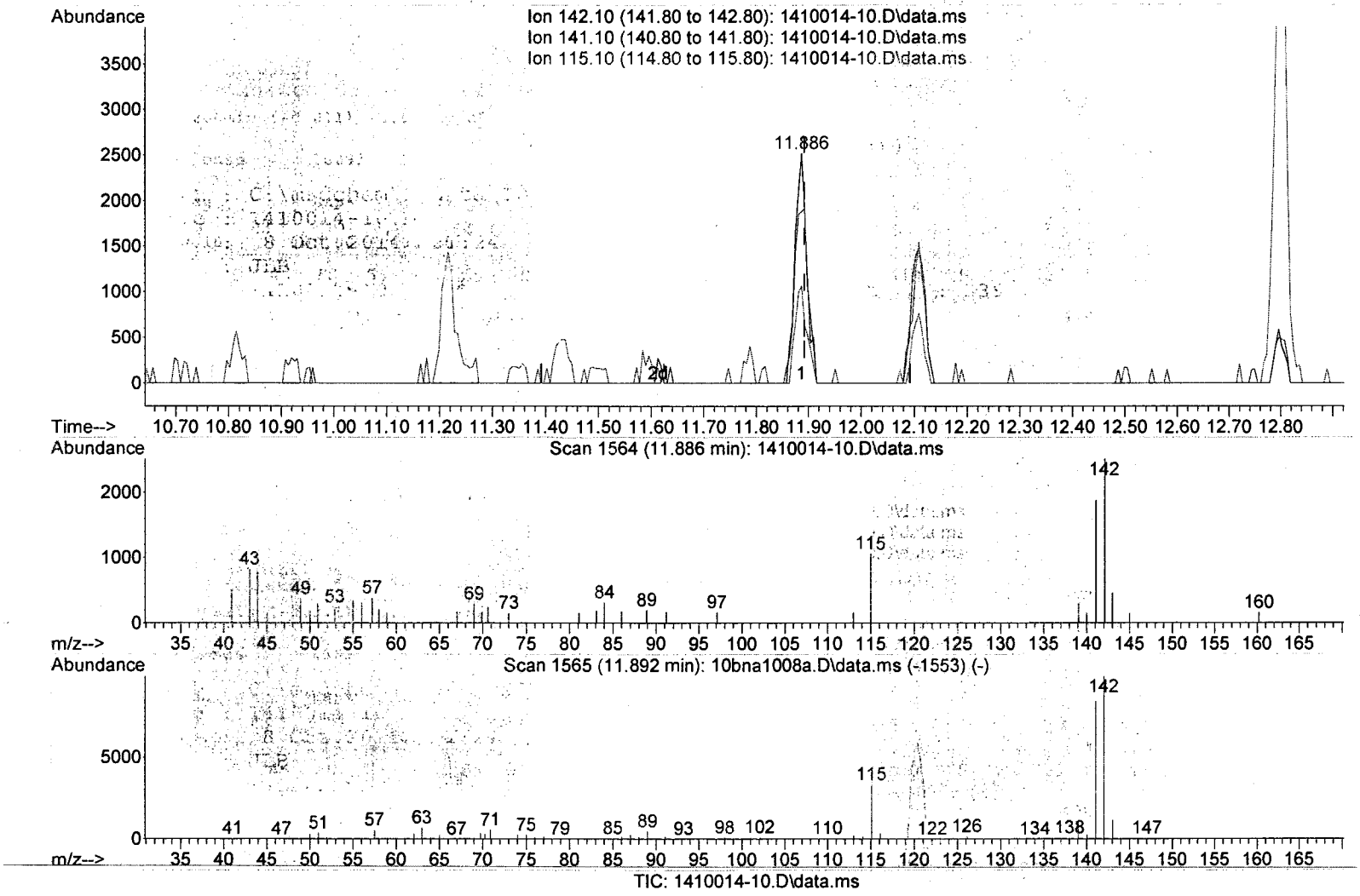
response 16091

Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	45.23#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:43:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-10.D\data.ms

(39) 2-Methylnaphthalene

11.886min (-0.006) 0.02 ng/uL

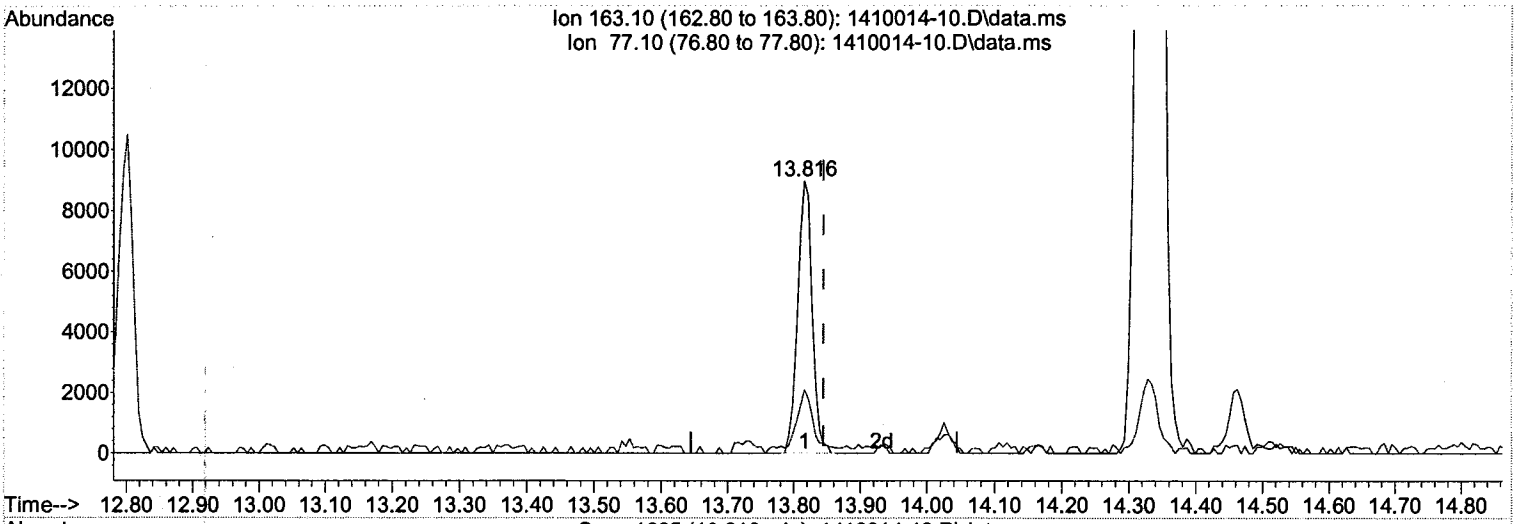
response 3998

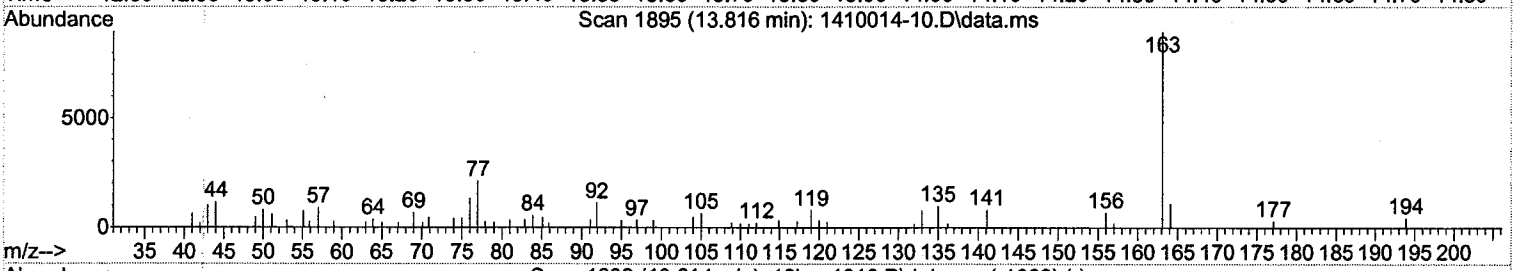
Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	89.84
115.10	33.50	42.15#
0.00	0.00	0.00

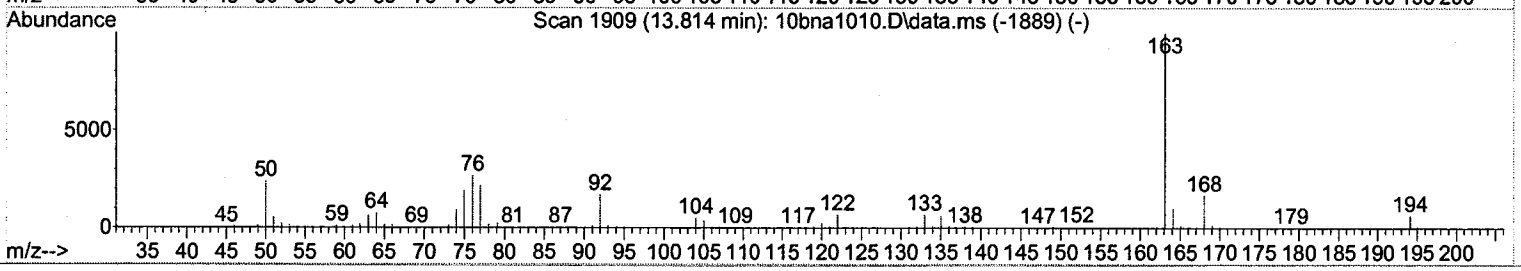
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:43:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-10.D\data.ms

(53) Dimethyl Phthalate

13.816min (-0.029) 0.06 ng/uL

response 13698

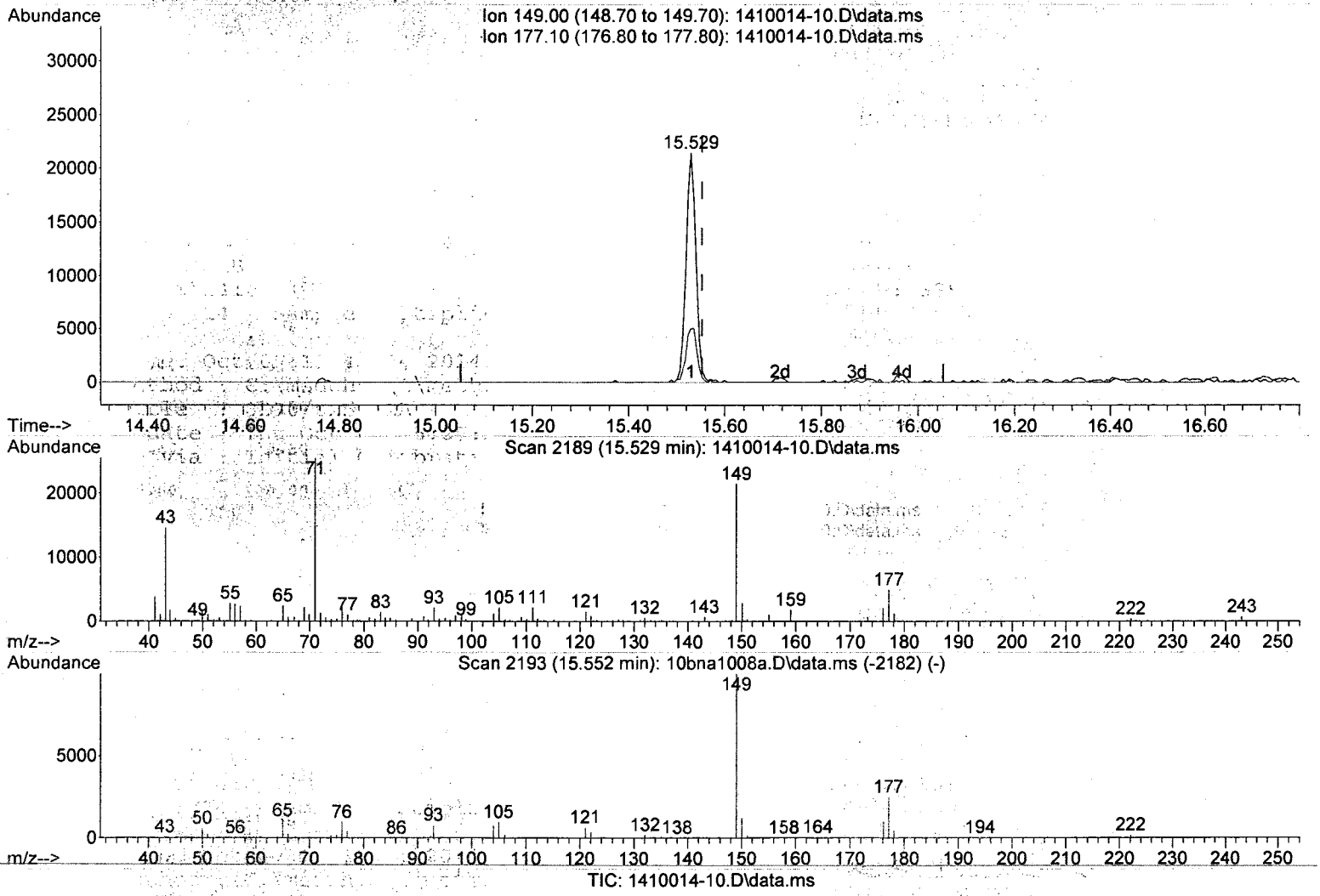
Ion	Exp%	Act%
163.10	100.00	100.00
77.10	22.60	23.21
0.00	0.00	0.00
0.00	0.00	0.00

003520

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:43:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-10.D\data.ms

(63) Diethyl Phthalate

15.529min (-0.023) 0.13 ng/uL

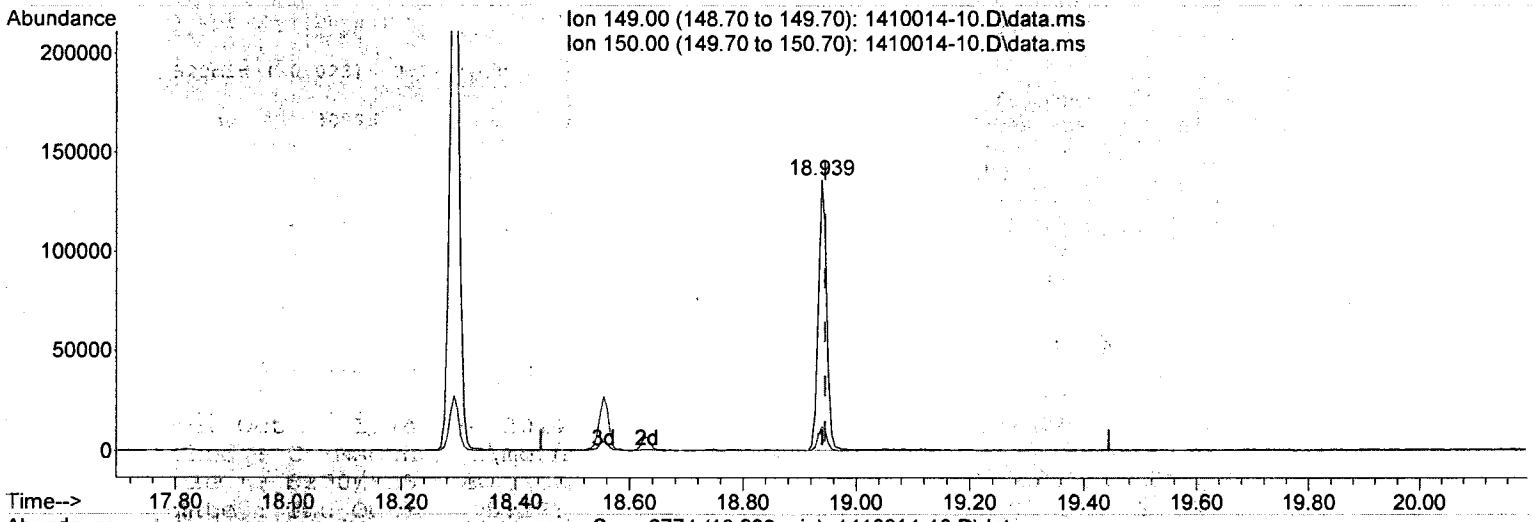
response 30895

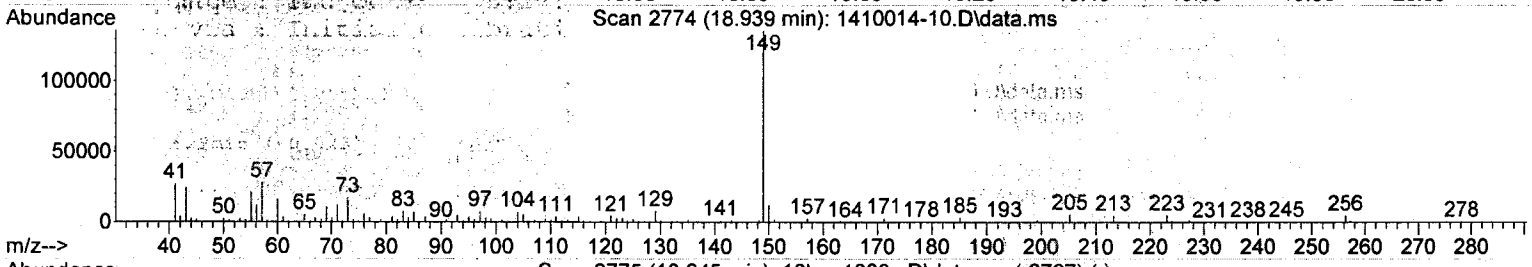
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	26.42
0.00	0.00	0.00
0.00	0.00	0.00

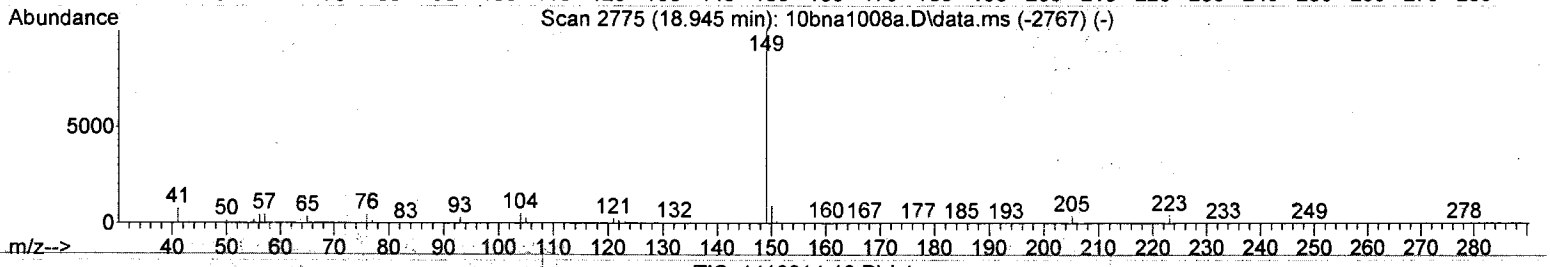
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:43:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-10.D\data.ms

(79) Di-n-butyl Phthalate

18.939min (-0.006) 0.43 ng/uL

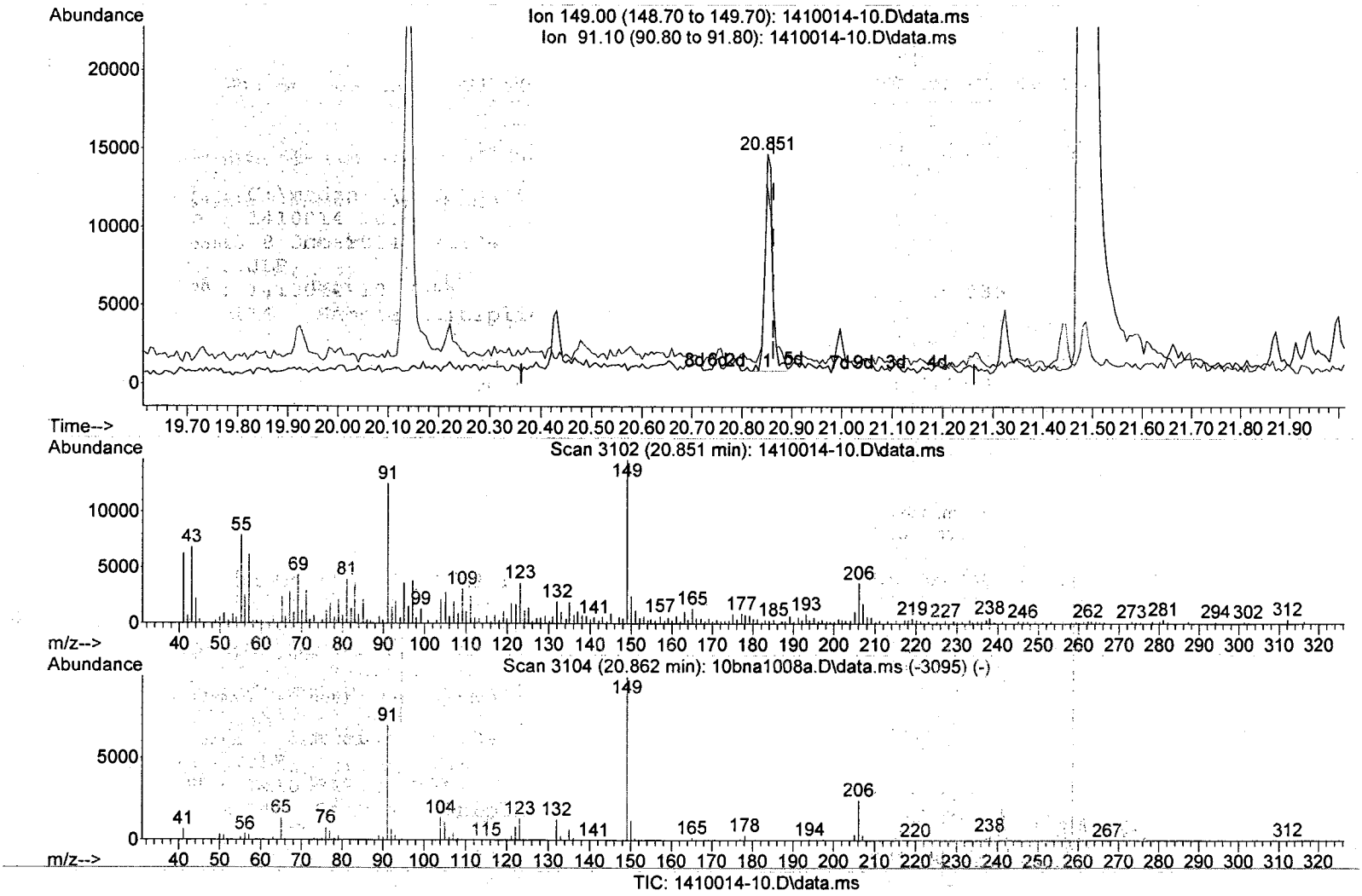
response 138805

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:43:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410014-10.D\data.ms

(83) Butyl Benzyl Phthalate

20.851min (-0.011) 0.14 ng/uL

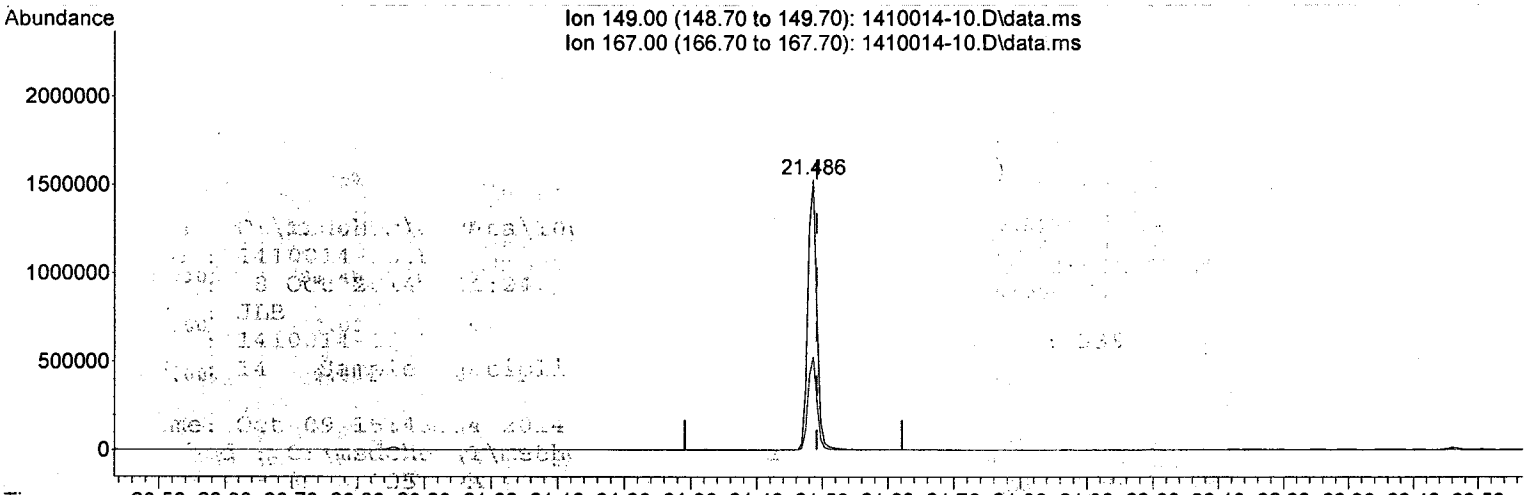
response 14899

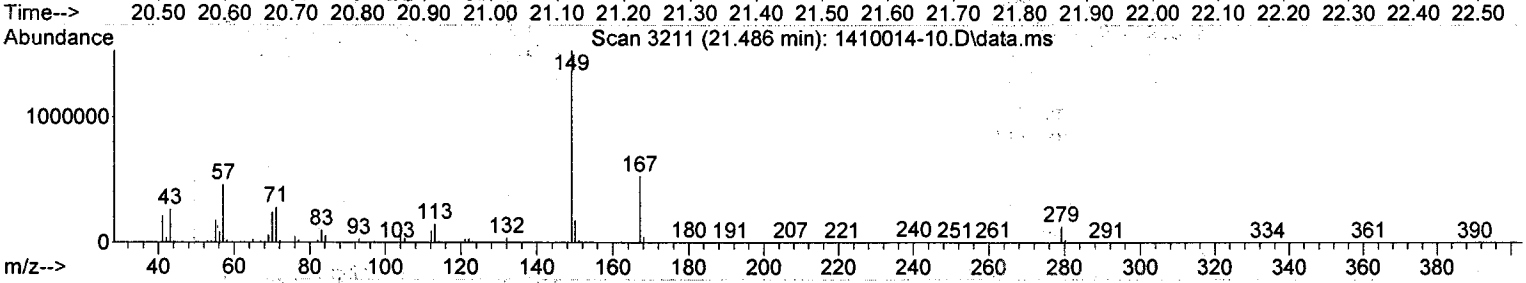
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	82.70
0.00	0.00	0.00
0.00	0.00	0.00

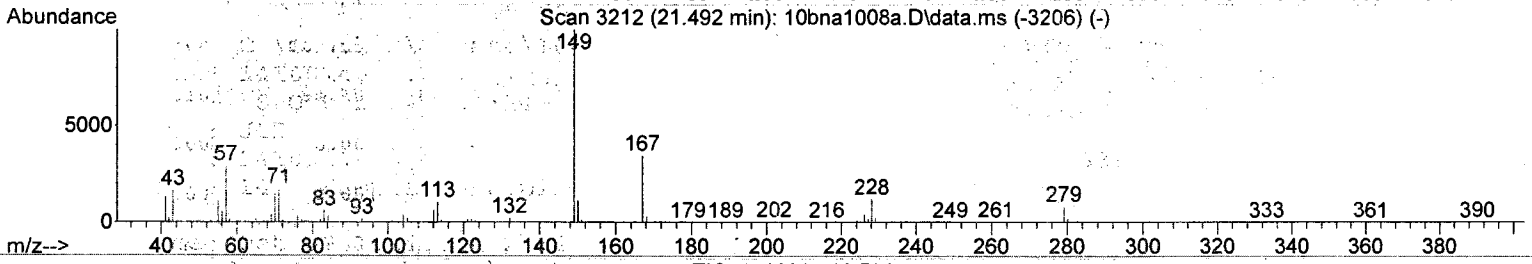
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:43:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-10.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.486min (-0.006) 10.59 ng/uL

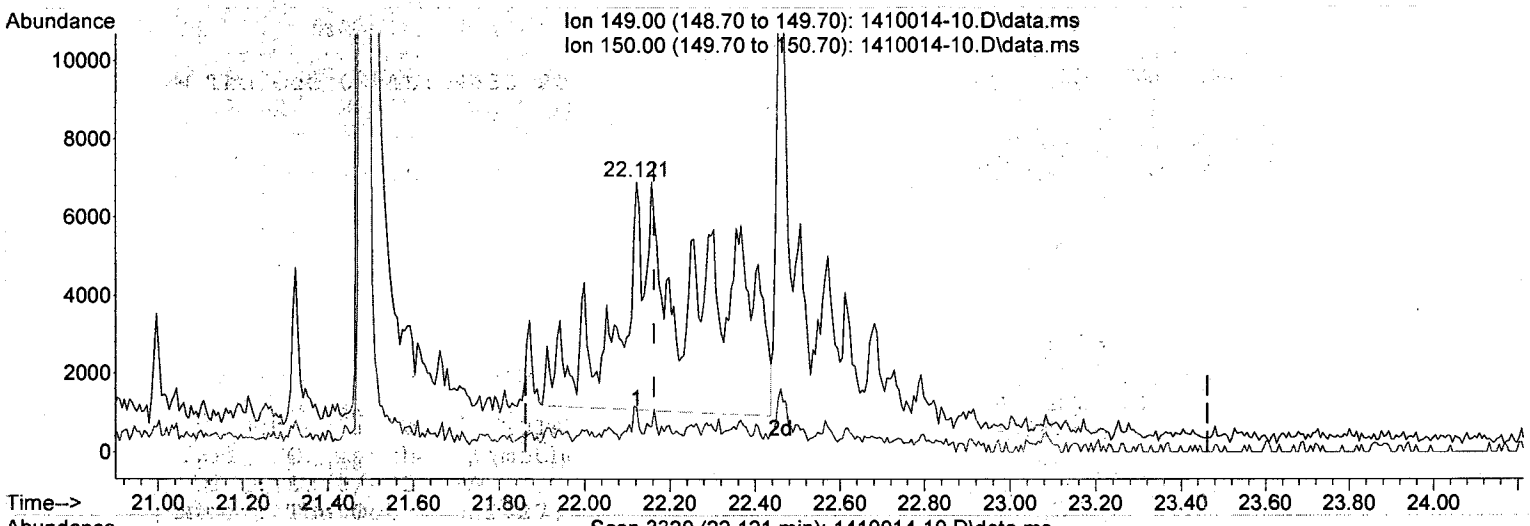
response 1453507

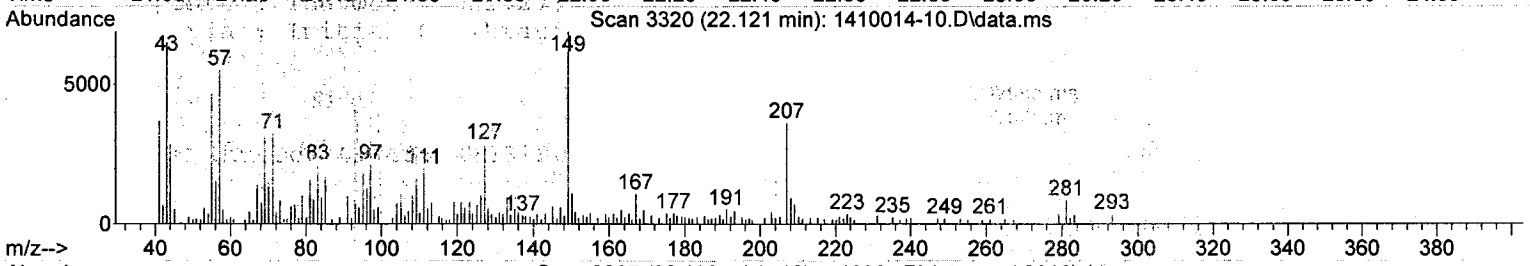
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.32
0.00	0.00	0.00
0.00	0.00	0.00

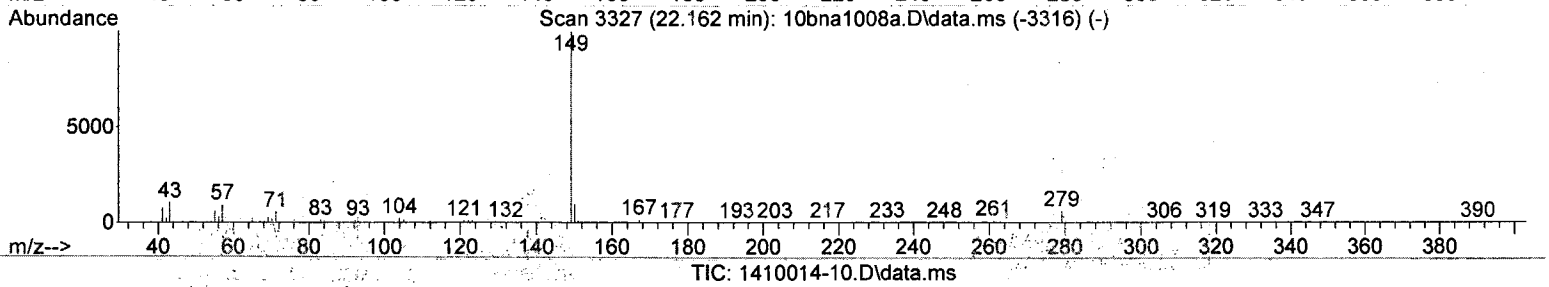
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410014-10.D
Acq On : 8 Oct 2014 21:24
Operator : JLB
Sample : 1410014-10 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:43:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410014-10.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.121min (-0.041) 0.66 ng/uL

response 81772

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.45#
0.00	0.00	0.00
0.00	0.00	0.00

pp

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB12-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-01 File ID: 1410025-01.D

Sampled: 09/30/14 09:14 Prepared: 10/09/14 07:32 Analyzed: 10/20/14 22:30

Solids: 96.14 Preparation: 3550C Sonication Extract Initial/Final: 28.5 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.2	17	17	U
56-55-3	Benzo(a)anthracene	1	8.7	2.9	8.7	17	U
50-32-8	Benzo(a)pyrene	1	2.6	2.4	8.7	17	J
205-99-2	Benzo(b)fluoranthene	1	3.3	2.0	8.7	17	J
207-08-9	Benzo(k)fluoranthene	1	2.6	2.0	8.7	17	J
191-24-2	Benzo(g,h,i)perylene	1	8.7	2.0	8.7	35	U
65-85-0	Benzoic Acid	1	97	72	170	350	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.2	17	35	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.7	3.8	8.7	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	4.0	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.7	2.0	8.7	35	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	25	14	35	69	J
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	690	290	690	870	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	35	U
84-66-2	Diethyl Phthalate	1	9.9	5.0	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.7	4.2	8.7	17	U
121-14-2	2,4-Dinitrotoluene	1	8.7	3.4	8.7	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB12-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-01 File ID: 1410025-01.D

Sampled: 09/30/14 09:14 Prepared: 10/09/14 07:32 Analyzed: 10/20/14 22:30

Solids: 96.14 Preparation: 3550C Sonication Extract Initial/Final: 28.5 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	15	4.0	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.7	3.5	8.7	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	50	12	17	35	
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	35	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.8	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.7	2.8	8.7	35	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.7	3.8	8.7	17	U
95-48-7	2-Methylphenol	1	8.7	3.7	8.7	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	70	25	70	340	U
88-74-4	2-Nitroaniline	1	8.7	3.7	8.7	17	U
99-09-2	3-Nitroaniline	1	35	17	35	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	350	110	350	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.7	3.6	8.7	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.7	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.7	2.6	8.7	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	730	629	86	33 - 113	
Phenol-d6	730	653	89	30 - 115	
Nitrobenzene-d5	365	323	89	33 - 131	
2-Fluorobiphenyl	365	327	90	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB12-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-01
File ID: 1410025-01.D
Sampled: 09/30/14 09:14
Prepared: 10/09/14 07:32
Analyzed: 10/20/14 22:30
Solids: 96.14
Preparation: 3550C Sonication Extract
Initial/Final: 28.5 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	730	595	81	12 - 124	
o-Terphenyl	365	337	92	20 - 155	

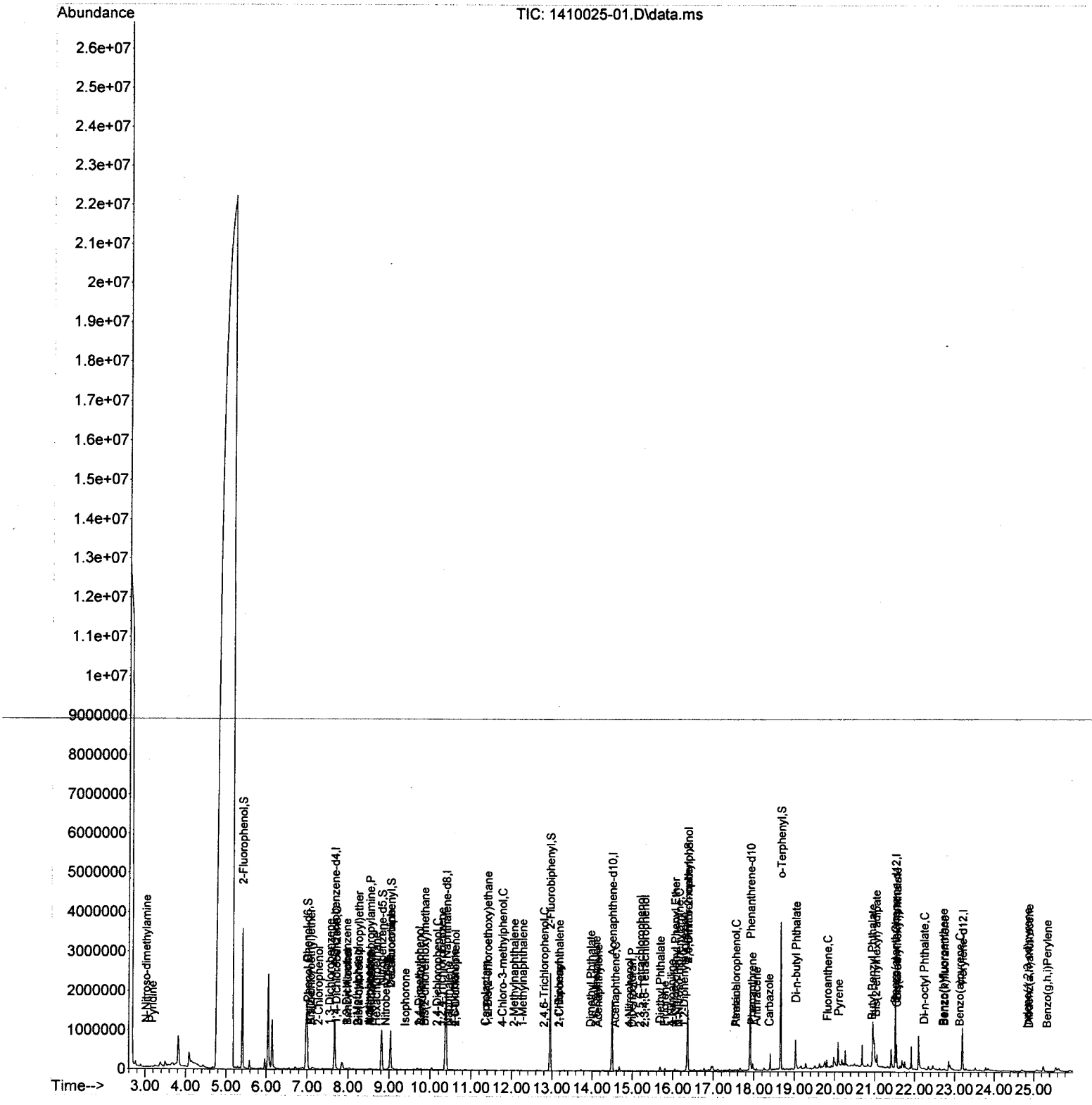
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	359740	7.669	403279	7.614	
Naphthalene-d8	1398463	10.391	1529030	10.359	
Acenaphthene-d10	766472	14.495	866604	14.474	
Phenanthrene-d10	1185374	17.91	1400442	17.901	
Chrysene-d12	904103	21.518	1153654	21.538	
Perylene-d12	615968	23.197	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:07:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:07:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	359740	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.391	136	1398463	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.495	164	766472	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.910	188	1185374	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	904103	5.00	ng/uL	#-0.01
89) Perylene-d12	23.197	264	615968	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.408	112	1416893	17.24	ng/uL	0.19
6) Phenol-d6	6.999	99	1902366	17.88	ng/uL	0.06
21) Nitrobenzene-d5	8.818	82	792407	8.86	ng/uL	0.00
23) Decafluorobiphenyl	9.039	334	498088	7.95	ng/uL	0.00
47) 2-Fluorobiphenyl	12.956	172	1421122	8.97	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.371	330	292813	16.29	ng/uL	-0.01
78) o-Terphenyl	18.662	230	937358	9.22	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.024	74	3527	0.07	ng/uL	90
3) Pyridine	3.181	79	1073	0.01	ng/uL#	69
5) Aniline	7.081	93	313	0.23	ng/uL#	1
7) Phenol	7.016	94	5645	0.05	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.081	93	313	0.00	ng/uL#	1
9) 2-Chlorophenol	7.273	128	137	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.547	146	2368	0.02	ng/uL#	1
11) 1,4-Dichlorobenzene	7.704	146	1545	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.961	146	361	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.252	45	1859	0.01	ng/uL#	51
14) Benzyl Alcohol	7.978	108	4838	0.08	ng/uL	91
15) 2-Methylphenol	8.223	108	108	0.00	ng/uL#	1
16) Acetophenone	8.509	105	5937	0.05	ng/uL	97
17) Hexachloroethane	8.678	119	82	0.00	ng/uL#	3
18) 4-Methylphenol	8.538	108	402	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.532	70	1301	0.02	ng/uL	90
22) Nitrobenzene	8.911	77	362	0.00	ng/uL#	49
24) Isophorone	9.395	82	1128	0.01	ng/uL#	75
25) 2-Chloroaniline	9.033	127	7336	0.06	ng/uL#	62
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.733	107	61	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.861	93	280	0.00	ng/uL#	52
29) 2,4-Dichlorophenol	10.164	162	333	0.00	ng/uL#	18
30) Benzoic Acid	9.779	105	14728	2.65	ng/uL	93
31) 1,2,4-Trichlorobenzene	10.275	180	1366	0.02	ng/uL	88
32) Naphthalene	10.438	128	2571	0.01	ng/uL#	1
33) 4-Chloroaniline	10.584	127	413	0.01	ng/uL#	66
34) 2,6-Dichlorophenol	10.607	162	118	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.353	55	9824	0.24	ng/uL#	33
37) 1,2-Bis(2-chloroethoxy...	11.400	63	115	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.767	107	377	0.00	ng/uL#	1
39) 2-Methylnaphthalene	12.052	142	1160	0.01	ng/uL#	89
40) 1-Methylnaphthalene	12.268	142	698	0.00	ng/uL#	89
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:07:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	12.798	196	126	0.00	ng/uL#	10
46) 2,4,5-Trichlorophenol	12.798	196	126	0.00	ng/uL#	11
48) 2-Chloronaphthalene	13.177	162	451	0.00	ng/uL#	67
49) 1,1'-Biphenyl	13.172	154	1065	0.01	ng/uL#	76
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.145	152	477	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.092	165	509	0.01	ng/uL#	34
53) Dimethyl Phthalate	13.964	163	1500	0.01	ng/uL#	31
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.565	153	613	0.00	ng/uL#	79
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.984	168	841	0.00	ng/uL#	64
58) 4-Nitrophenol	14.920	65	356	0.01	ng/uL#	62
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	15.194	232	170	0.00	ng/uL#	39
61) 2,3,4,6-Tetrachlorophenol	15.299	232	75	0.00	ng/uL#	36
62) Fluorene	15.794	166	804	0.00	ng/uL#	16
63) Diethyl Phthalate	15.684	149	42212	0.27	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	16.057	204	1371	0.02	ng/uL#	1
65) 4-Nitroaniline	15.969	138	127	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.371	198	842	1.01	ng/uL#	1
68) N-Nitroso-diphenylamine	16.150	169	393	0.00	ng/uL#	53
69) 1,2-Diphenylhydrazine	16.278	182	2047	0.04	ng/uL#	60
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.555	200	411	0.01	ng/uL#	25
74) Pentachlorophenol	17.549	266	1721	0.07	ng/uL#	63
75) Phenanthrene	17.951	178	9049	0.04	ng/uL#	86
76) Anthracene	18.056	178	1476	0.01	ng/uL#	93
77) Carbazole	18.371	167	2000	0.01	ng/uL#	87
79) Di-n-butyl Phthalate	19.035	149	154743	0.68	ng/uL	99
80) Fluoroanthene	19.816	202	10634	0.05	ng/uL	95
82) Pyrene	20.102	202	11403	0.05	ng/uL#	1
83) Butyl Benzyl Phthalate	20.929	149	7672m	0.09	ng/uL	
84) Bis(2-ethylhexyl) adipate	21.029	129	4815	0.13	ng/uL#	100
85) Benzo(a)anthracene	21.506	228	10173	0.06	ng/uL#	52
86) Chrysene	21.547	228	8596	0.05	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.553	149	147520	1.36	ng/uL	92
88) Di-n-octyl Phthalate	22.229	149	16308m	0.42	ng/uL	
90) Benzo(b)fluoroanthene	22.701	252	9703	0.09	ng/uL	95
91) Benzo(k)fluoranthene	22.736	252	9200	0.07	ng/uL	100
92) Benzo(a)pyrene	23.121	252	7590	0.07	ng/uL	96
93) Indeno(1,2,3-cd)pyrene	24.829	276	4715	0.05	ng/uL	95
94) Dibdenz(a,h)anthracene	24.870	278	2984	0.04	ng/uL#	27
95) Benzo(g,h,i)Perylene	25.330	276	3193	0.04	ng/uL#	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 07:50:19 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

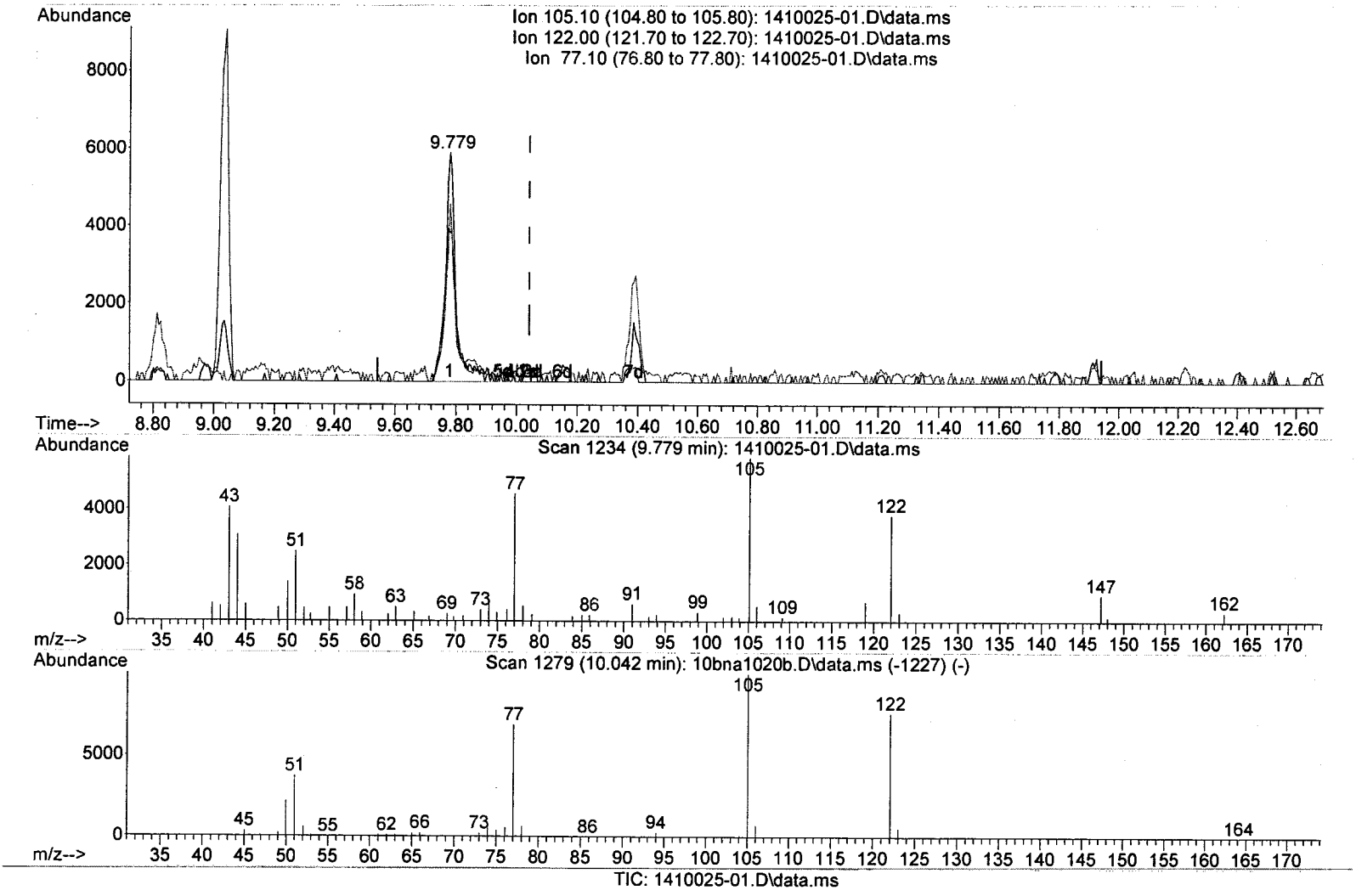
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.669	152	358554	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.391	136	1398463	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.495	164	766030	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1185374	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	904103	5.00	ng/uL	#	0.00
22) Perylene-d12	23.197	264	615968	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.344	74	6994	0.12	ng/uL	#	1
3) Pyridine	3.082	79	308	0.00	ng/uL		96
4) Aniline	7.081	93	313	0.00	ng/uL	#	1
5) Benzaldehyde	6.783	105	390	0.00	ng/uL	#	71
6) Acetophenone	8.509	105	5937	0.04	ng/uL		97
7) N-Nitroso-di-n-propyla...	8.532	70	1301	0.02	ng/uL		90
9) 4-Chloroaniline	10.584	127	413	0.01	ng/uL	#	66
10) Caprolactam	11.353	55	3365	0.17	ng/uL	#	47
12) 1,1'-Biphenyl	13.172	154	1065	0.00	ng/uL	#	76
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.969	138	127	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.150	169	393	0.00	ng/uL	#	53
18) Atrazine	17.555	200	411	Below Cal		#	25
20) Benzidine	20.049	184	801	0.42	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.419	252	335	0.01	ng/uL	#	42

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:06:08 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(30) Benzoic Acid

9.779min (-0.262) 2.65 ng/uL

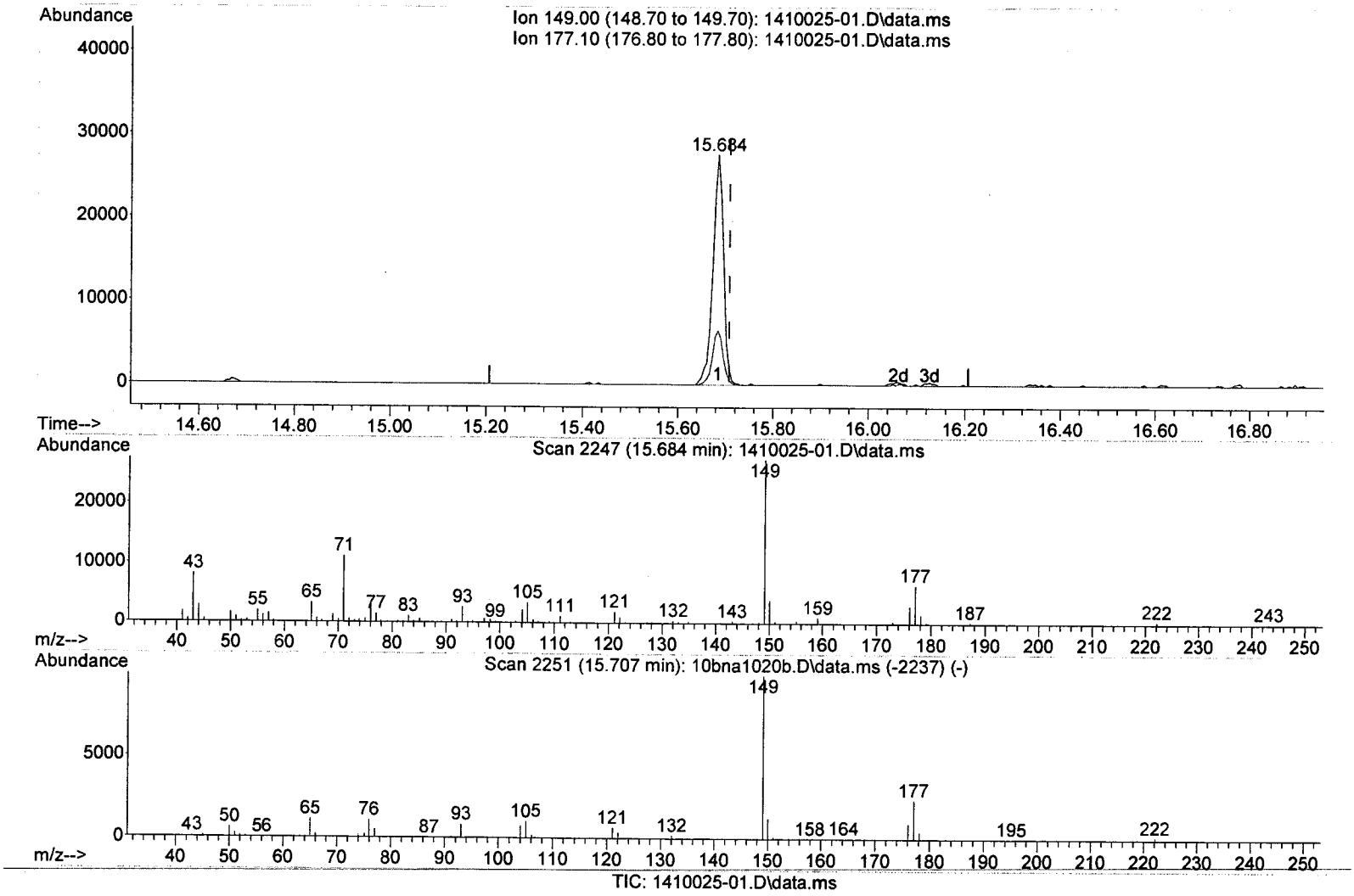
response 14728

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	72.39
77.10	74.70	79.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:06:08 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(63) Diethyl Phthalate

15.684min (-0.024) 0.27 ng/uL

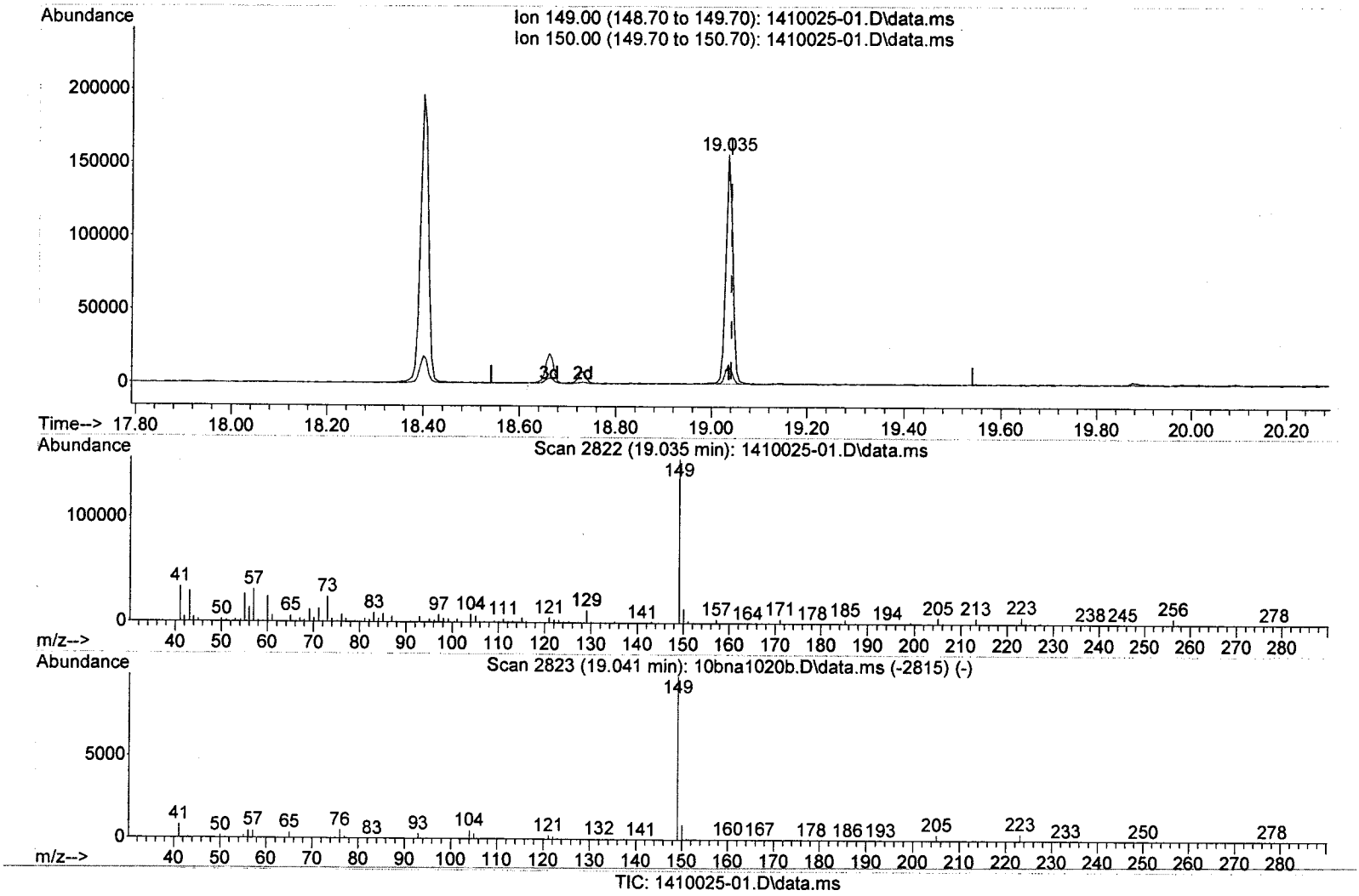
response 42212

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	23.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:06:08 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(79) Di-n-butyl Phthalate

19.035min (-0.006) 0.68 ng/uL

response 154743

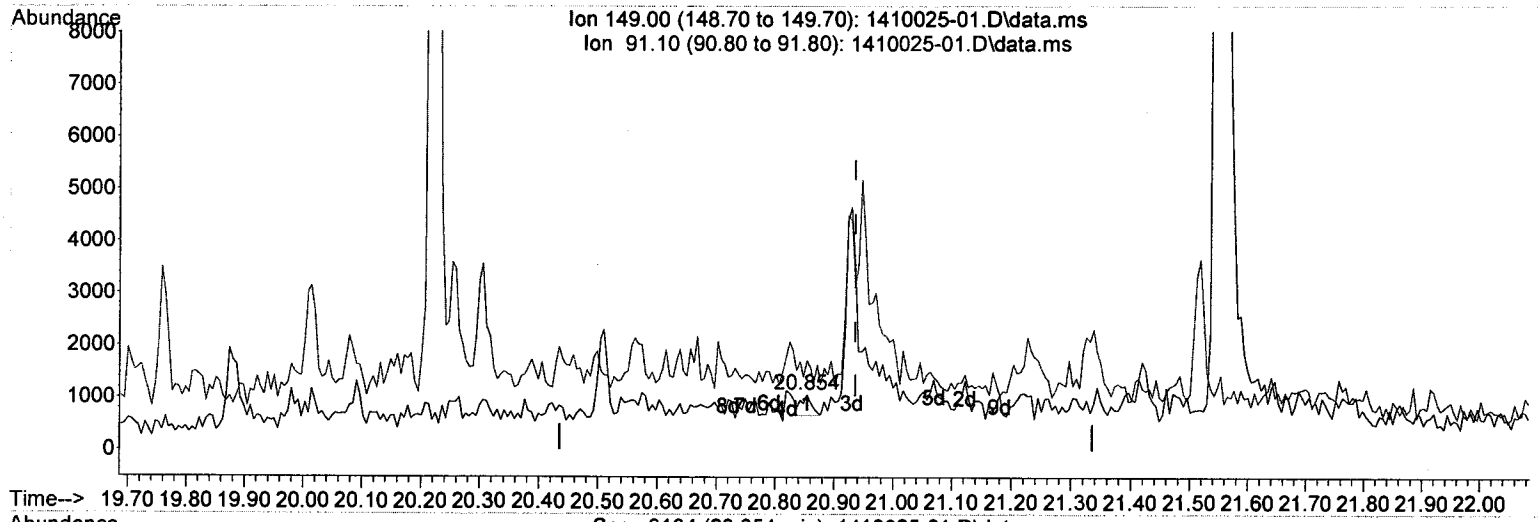
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.14
0.00	0.00	0.00
0.00	0.00	0.00

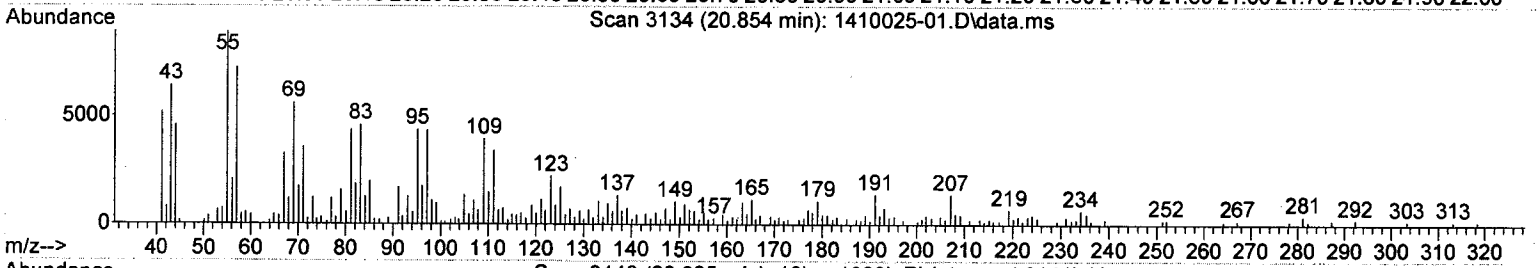
003535

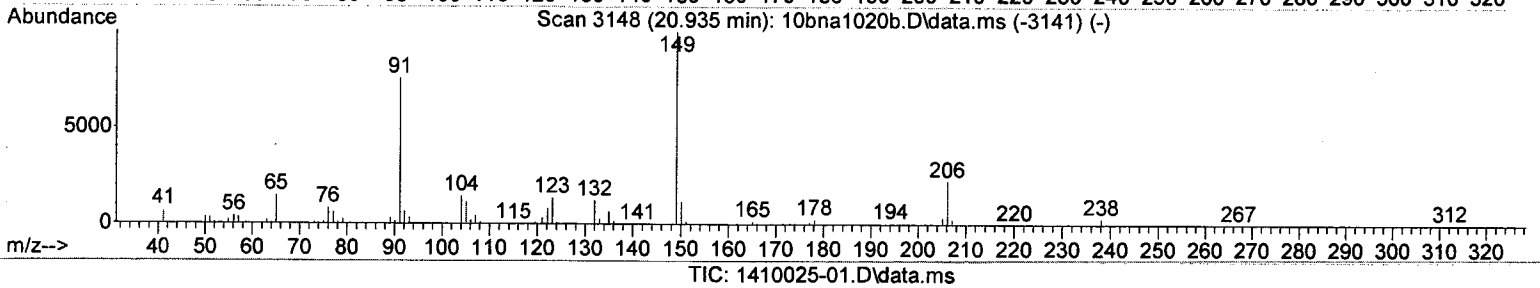
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:06:08 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-01.D\data.ms

(83) Butyl Benzyl Phthalate

20.854min (-0.082) 0.01 ng/uL

response 480

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	73.54
0.00	0.00	0.00
0.00	0.00	0.00

DWG 10.22-14

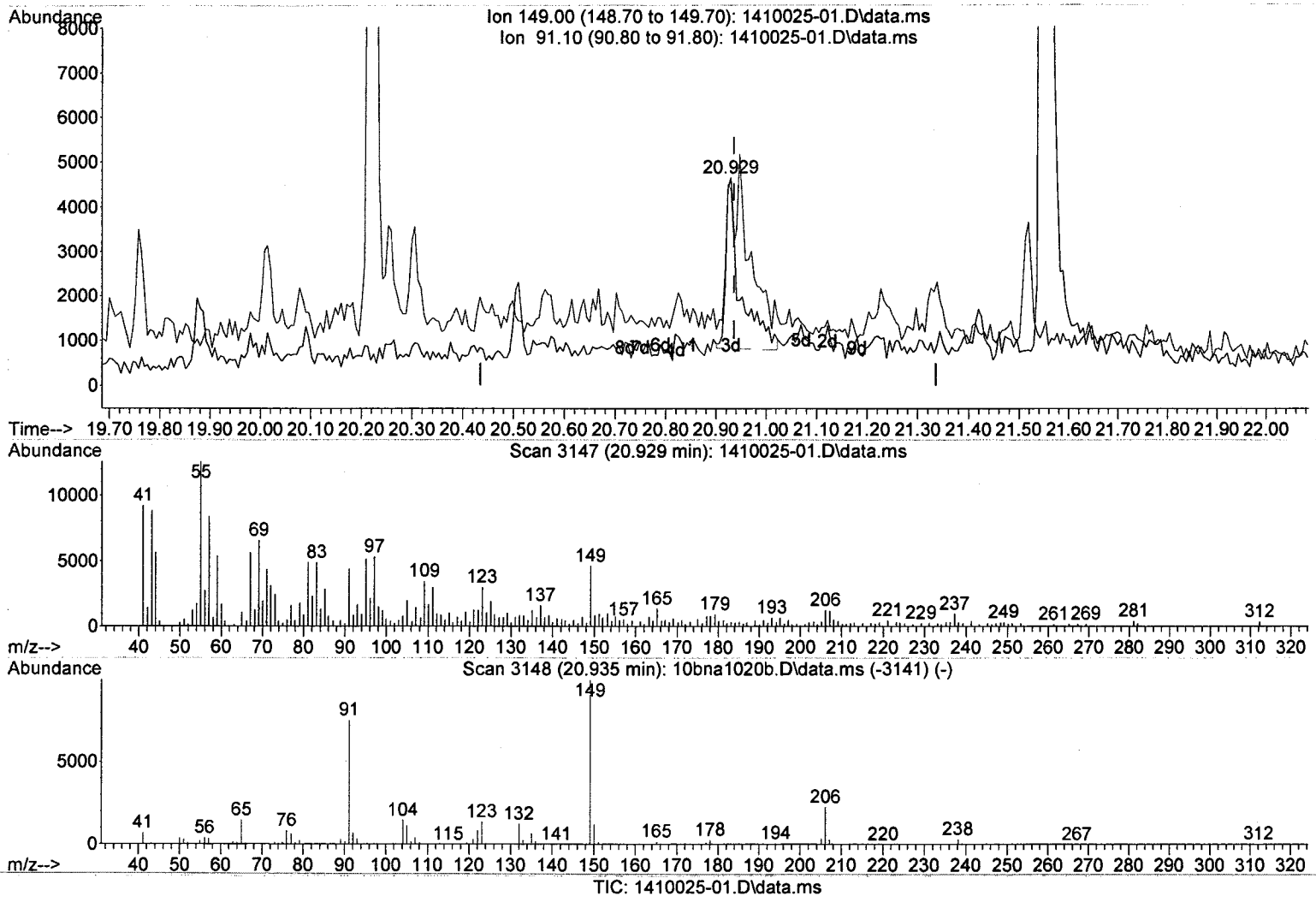
JLB 10/21/14

003536

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:06:08 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(83) Butyl Benzyl Phthalate

20.929min (-0.006) 0.09 ng/uL m

response 7672

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	4.60#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: _____ Date: 10/21/14

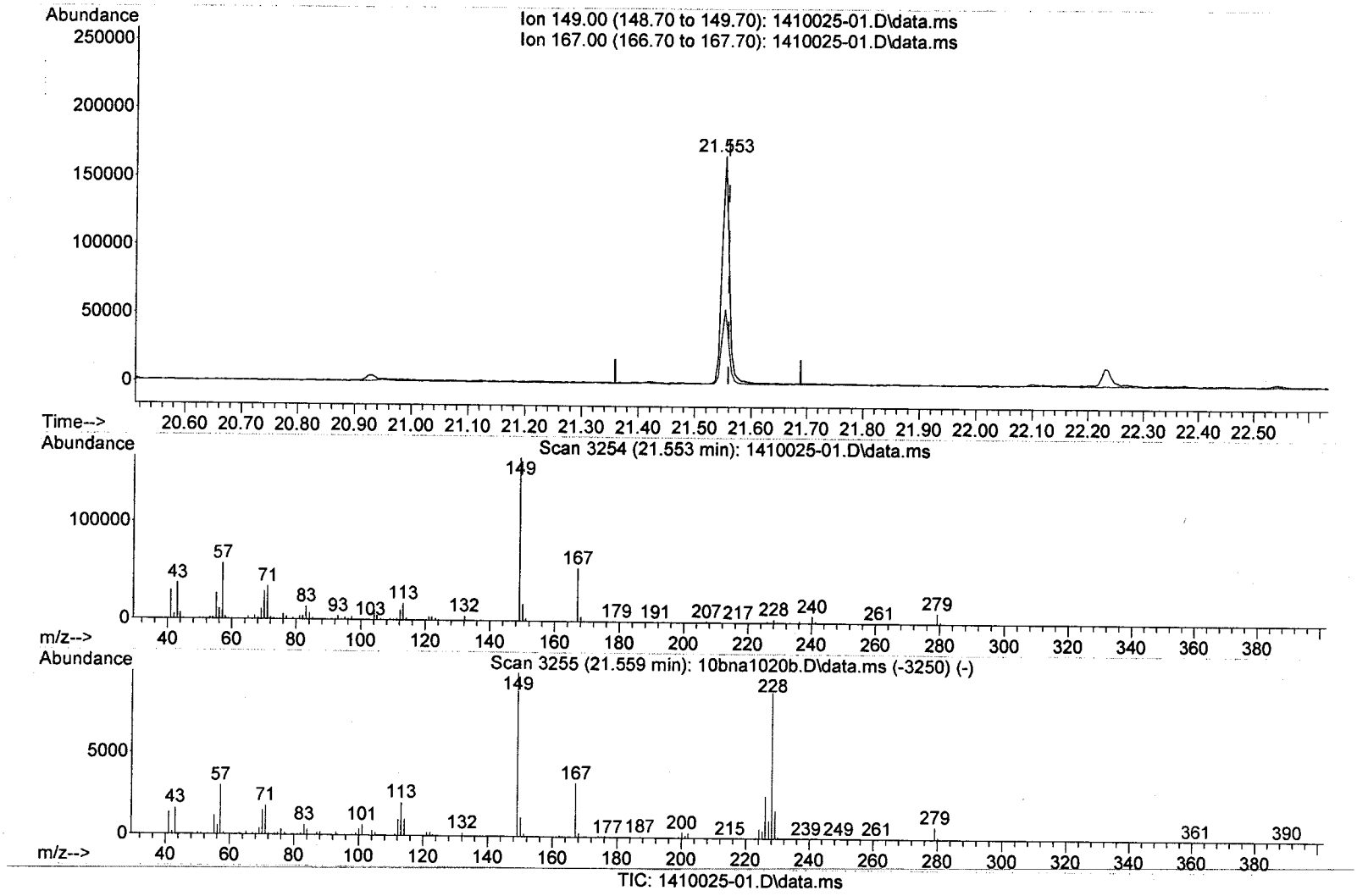
Reviewed By: _____ Date: 10-22-14

MDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:06:08 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.553min (-0.006) 1.36 ng/uL

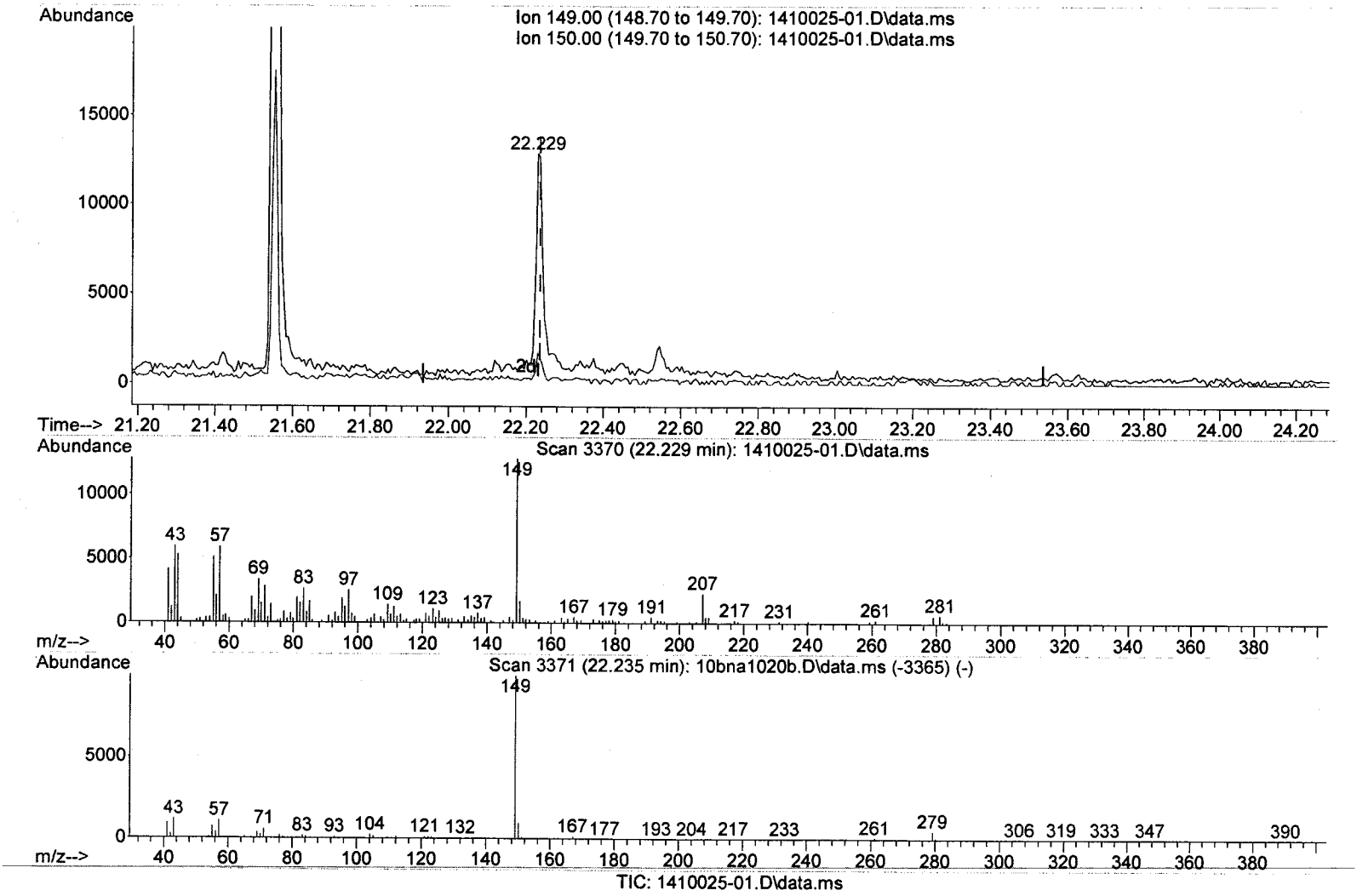
response 147520

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:06:08 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 0.55 ng/uL

response 41764

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	4.15#
0.00	0.00	0.00
0.00	0.00	0.00

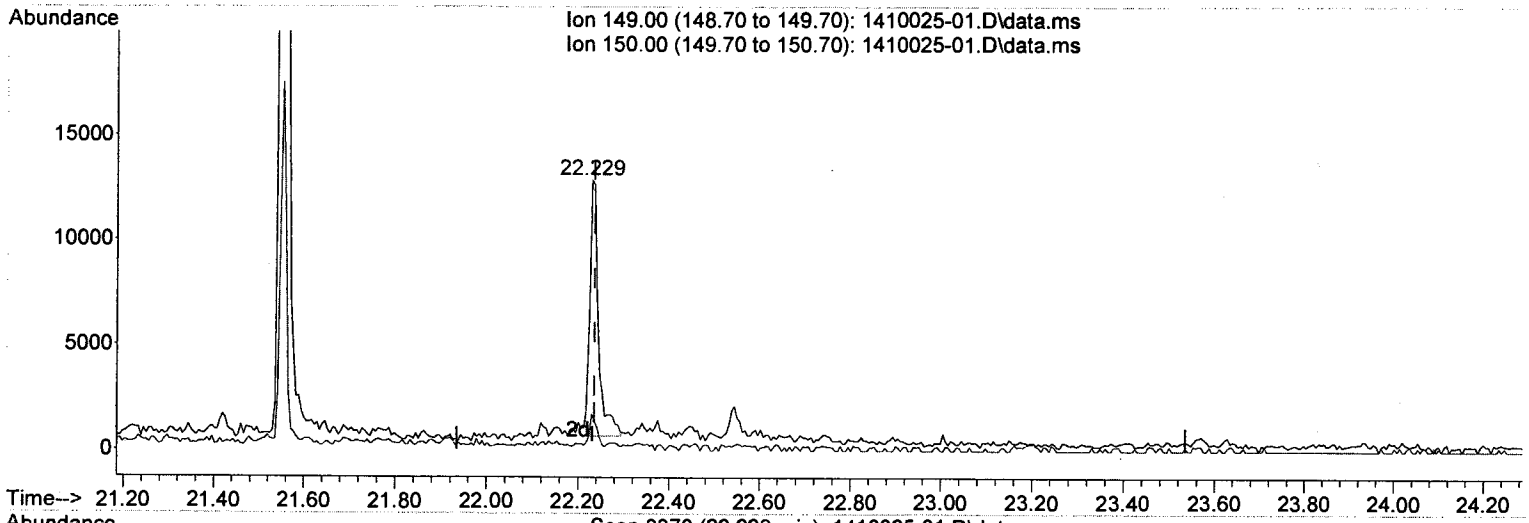
DW 10.22.14

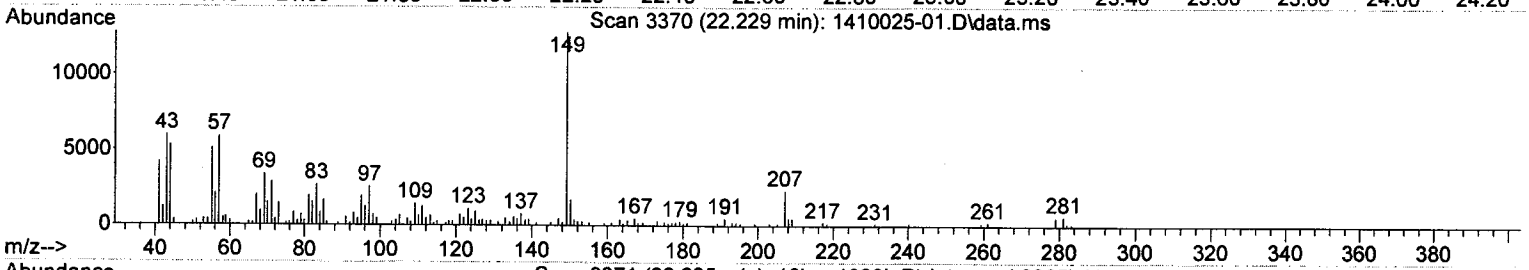
JWB 10/22/14

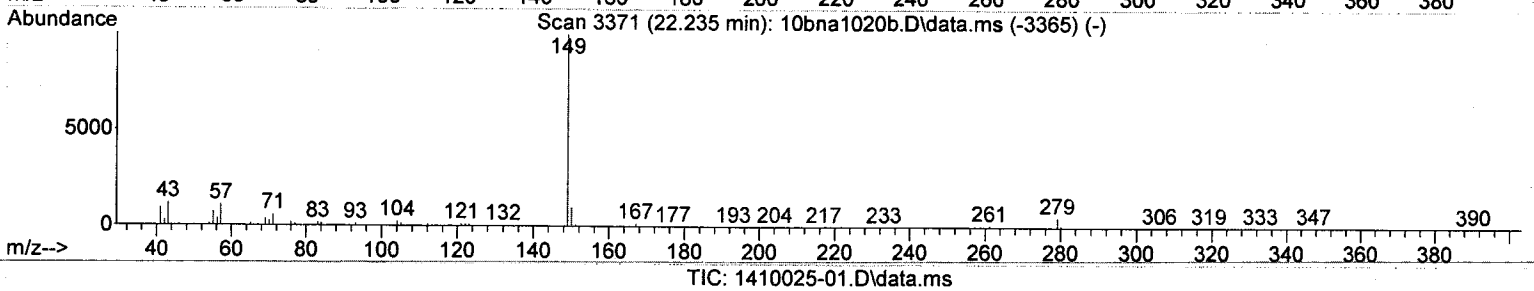
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:06:08 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-01.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 0.42 ng/uL m

response 16308

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	10.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

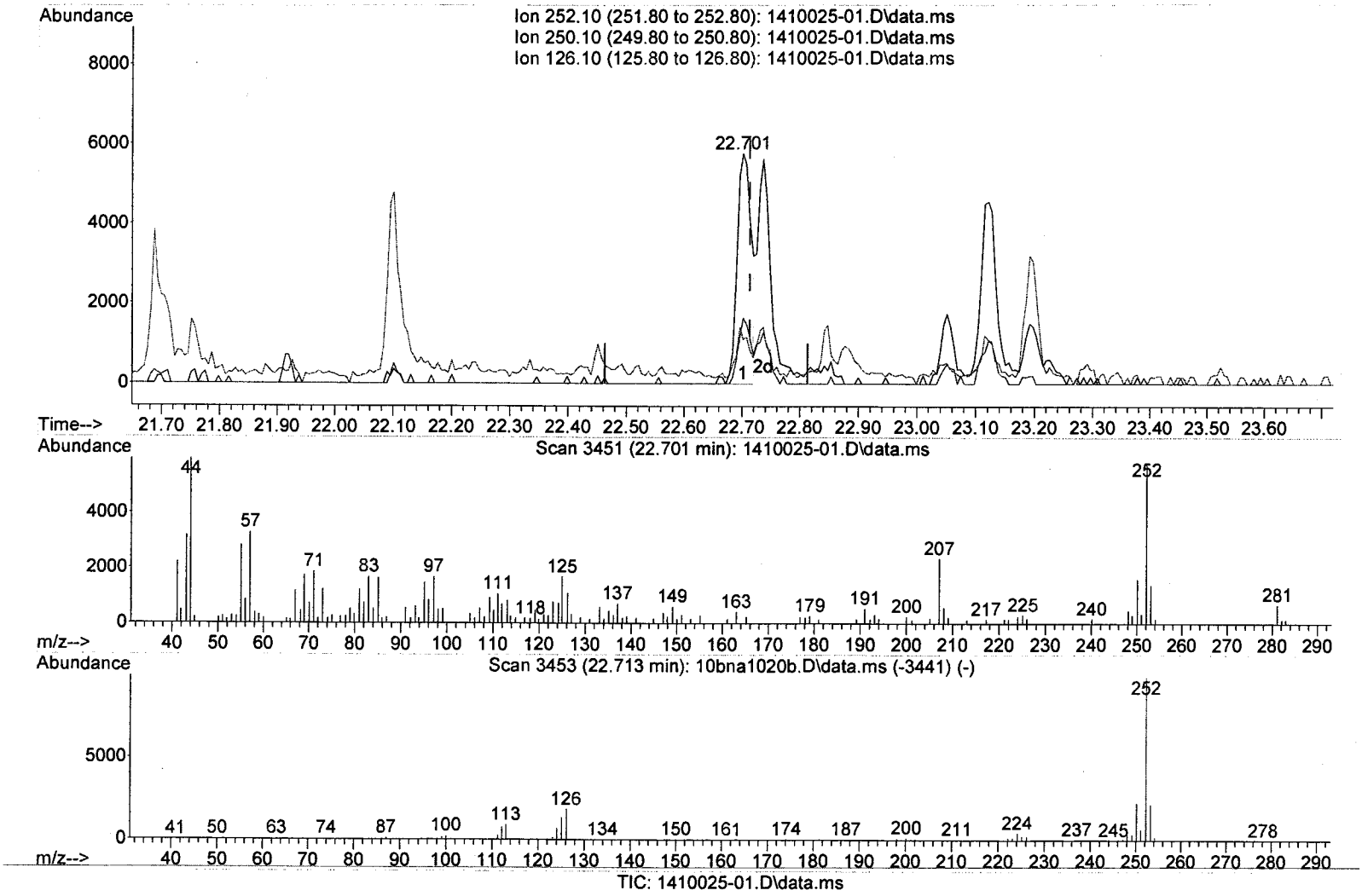
Analyst: JLB Date: 10/21/14

Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:06:08 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(90) Benzo(b)fluoroanthene

22.701min (-0.012) 0.09 ng/uL

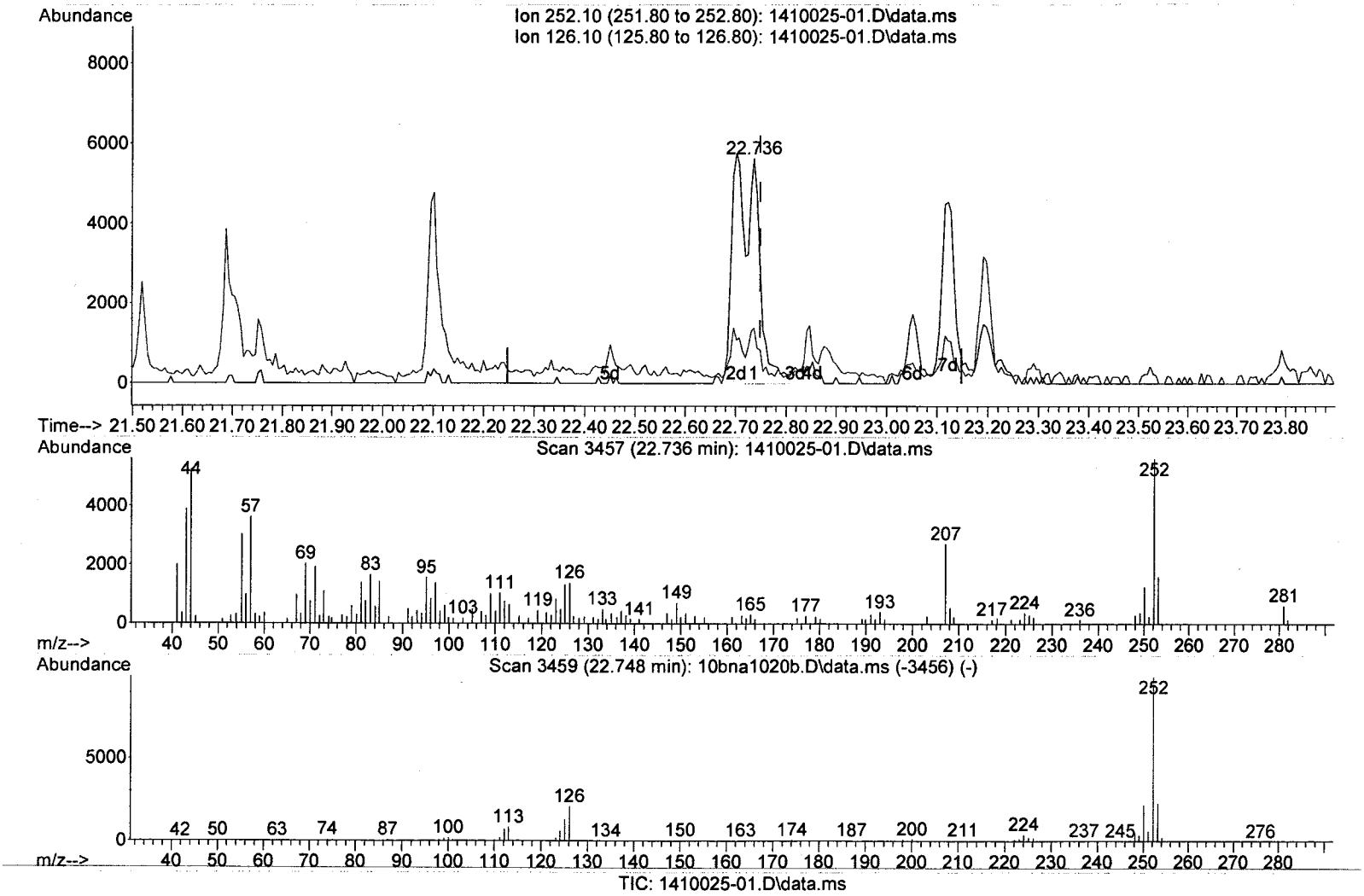
response 9703

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	24.69
126.10	17.20	19.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:06:08 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(91) Benzo(k)fluoranthene

22.736min (-0.012) 0.07 ng/uL

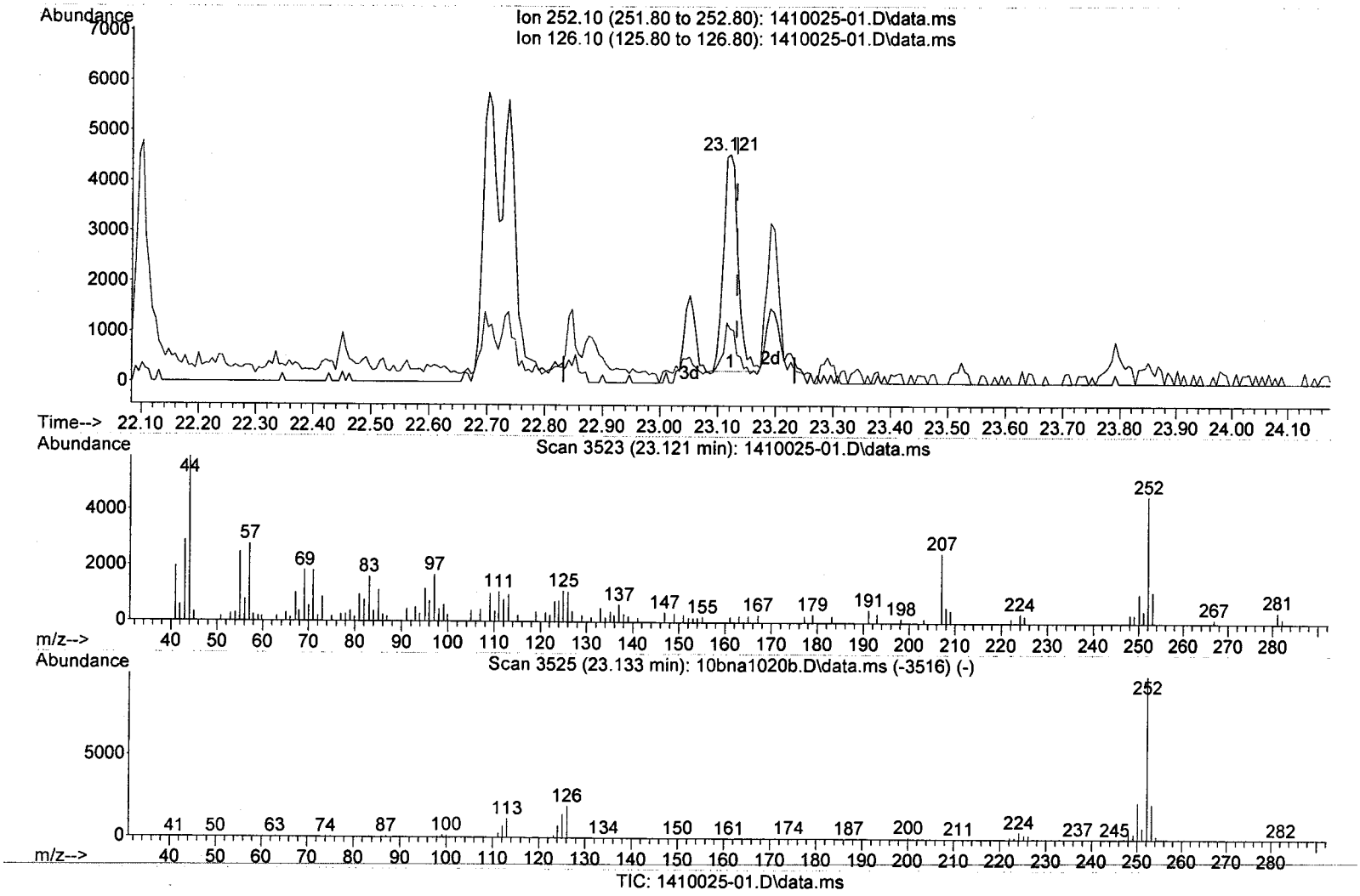
response 9200

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	18.68
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-01.D
Acq On : 20 Oct 2014 22:30
Operator : JLB
Sample : 1410025-01 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 21 08:06:08 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-01.D\data.ms

(92) Benzo(a)pyrene (C)

23.121min (-0.012) 0.07 ng/uL

response 7590

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	21.21
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB12-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-02
File ID: 1410025-02.D
Sampled: 09/30/14 09:41
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 01:42
Solids: 96.61
Preparation: 3550C Sonication Extract
Initial/Final: 29.1 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.2	17	17	U
56-55-3	Benzo(a)anthracene	1	3.2	2.8	8.6	17	J
50-32-8	Benzo(a)pyrene	1	7.5	2.4	8.6	17	J
205-99-2	Benzo(b)fluoranthene	1	9.6	2.0	8.6	17	J
207-08-9	Benzo(k)fluoranthene	1	7.8	2.0	8.6	17	J
191-24-2	Benzo(g,h,i)perylene	1	4.6	2.0	8.6	34	J
65-85-0	Benzoic Acid	1	92	72	170	340	J
100-51-6	Benzyl Alcohol	1	7.5	4.8	17	17	J
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	37	4.1	17	34	
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	3.9	2.0	8.6	34	J
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	16	14	34	69	J
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	12	5.0	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.2	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB12-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-02 File ID: 1410025-02.D

Sampled: 09/30/14 09:41 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 01:42

Solids: 96.61 Preparation: 3550C Sonication Extract Initial/Final: 29.1 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	21	4.0	17	17	**B**
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	880	12	17	34	
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	5.0	2.8	8.6	34	**J**
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	4.6	4.5	17	17	**J**
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	711	579	81	33 - 113	
Phenol-d6	711	578	81	30 - 115	
Nitrobenzene-d5	356	302	85	33 - 131	
2-Fluorobiphenyl	356	315	89	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB12-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-02
File ID: 1410025-02.D
Sampled: 09/30/14 09:41
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 01:42
Solids: 96.61
Preparation: 3550C Sonication Extract
Initial/Final: 29.1 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	711	528	74	12 - 124	
o-Terphenyl	356	353	99	20 - 155	

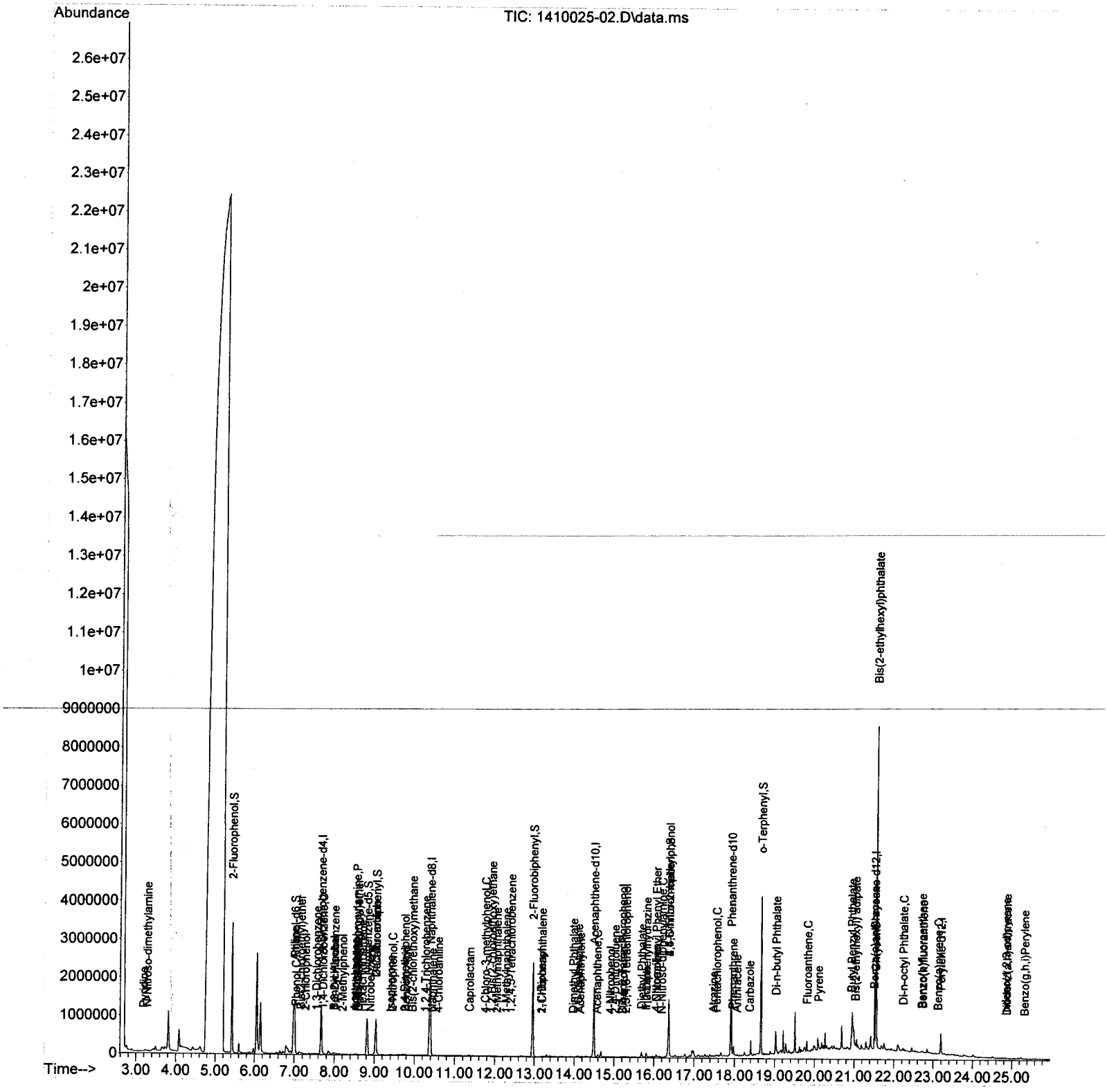
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	382585	7.669	403279	7.614	
Naphthalene-d8	1463554	10.391	1529030	10.359	
Acenaphthene-d10	795151	14.489	866604	14.474	
Phenanthrene-d10	1217570	17.91	1400442	17.901	
Chrysene-d12	791058	21.518	1153654	21.538	
Perylene-d12	315010	23.191	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:19:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



1001345na.M Tue Oct 21 08:20:22 2014 339

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:19:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	382585	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.391	136	1463554	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.489	164	795151	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.910	188	1217570	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	791058	5.00	ng/uL	#-0.01
89) Perylene-d12	23.191	264	315010 low	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.425	112	1422265	16.27	ng/uL	0.21
6) Phenol-d6	7.005	99	1839010	16.25	ng/uL	0.06
21) Nitrobenzene-d5	8.818	82	795332	8.50	ng/uL	0.00
23) Decafluorobiphenyl	9.039	334	501260	7.64	ng/uL	0.00
47) 2-Fluorobiphenyl	12.956	172	1455919	8.86	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.372	330	274181	14.85	ng/uL	-0.01
78) o-Terphenyl	18.662	230	1035560	9.92	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.280	74	1740	0.03	ng/uL	86
3) Pyridine	3.193	79	983	0.01	ng/uL#	62
5) Aniline	6.999	93	113	0.22	ng/uL#	1
7) Phenol	7.034	94	9467	0.07	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.157	93	113	0.00	ng/uL#	1
9) 2-Chlorophenol	7.273	128	114	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.553	146	2778	0.03	ng/uL#	1
11) 1,4-Dichlorobenzene	7.710	146	3485	0.03	ng/uL#	1
12) 1,2-Dichlorobenzene	8.002	146	2485	0.02	ng/uL#	44
13) Bis(2-chloroisipropyl)...	8.590	45	2027	0.01	ng/uL	92
14) Benzyl Alcohol	7.990	108	14072	0.21	ng/uL	97
15) 2-Methylphenol	8.200	108	112	0.00	ng/uL#	11
16) Acetophenone	8.509	105	9608	0.07	ng/uL#	96
17) Hexachloroethane	8.695	119	522	0.01	ng/uL#	3
18) 4-Methylphenol	8.538	108	853	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.550	70	2214	0.03	ng/uL	84
22) Nitrobenzene	8.893	77	375	0.00	ng/uL#	45
24) Isophorone	9.401	82	1585	0.01	ng/uL#	91
25) 2-Chloroaniline	9.033	127	6835	0.06	ng/uL#	61
26) 2-Nitrophenol	9.447	139	60	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.750	107	70	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.948	93	115	0.00	ng/uL	86
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.779	105	9747	2.58	ng/uL	91
31) 1,2,4-Trichlorobenzene	10.269	180	1579	0.02	ng/uL	89
32) Naphthalene	10.438	128	4369	0.01	ng/uL#	95
33) 4-Chloroaniline	10.590	127	652	0.01	ng/uL	86
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.359	55	15840	0.38	ng/uL#	36
37) 1,2-Bis(2-chloroethoxy...	11.919	63	123	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.755	107	664	0.01	ng/uL#	1
39) 2-Methylnaphthalene	12.047	142	2493	0.01	ng/uL#	89
40) 1-Methylnaphthalene	12.274	142	1837	0.01	ng/uL#	87
41) 1,3 Dinitrobenzene	14.139	168	109	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:19:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.402	216	174	0.00 ng/uL#	86
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.178	162	618	0.00 ng/uL#	52
49) 1,1'-Biphenyl	13.172	154	1477	0.01 ng/uL#	79
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.145	152	573	0.00 ng/uL#	78
52) 2,6-Dinitrotoluene	14.093	165	795	0.02 ng/uL#	59
53) Dimethyl Phthalate	13.970	163	2258	0.01 ng/uL#	68
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.565	153	1117	0.01 ng/uL	87
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	15.212	168	137	0.00 ng/uL	99
58) 4-Nitrophenol	14.903	65	1410	0.04 ng/uL#	21
59) 2,4-Dinitrotoluene	15.014	165	75	0.00 ng/uL#	92
60) 2,3,5,6-Tetrachlorophenol	15.200	232	204	0.01 ng/uL#	60
61) 2,3,4,6-Tetrachlorophenol	15.287	232	64	0.00 ng/uL#	1
62) Fluorene	15.800	166	1471	0.01 ng/uL#	15
63) Diethyl Phthalate	15.684	149	56191	0.35 ng/uL	96
64) 4-Chlorophenyl Phenyl ...	16.051	204	2177	0.03 ng/uL#	20
65) 4-Nitroaniline	16.051	138	550	0.02 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.372	198	682	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.191	169	196	0.00 ng/uL#	30
69) 1,2-Diphenylhydrazine	15.806	182	879	0.02 ng/uL	94
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.473	200	191	0.00 ng/uL#	25
74) Pentachlorophenol	17.549	266	2436	0.09 ng/uL#	60
75) Phenanthrene	17.951	178	21188	0.09 ng/uL#	89
76) Anthracene	18.050	178	3630	0.02 ng/uL	100
77) Carbazole	18.371	167	3464	0.02 ng/uL#	42
79) Di-n-butyl Phthalate	19.035	149	107114	0.46 ng/uL	100
80) Fluoroanthene	19.816	202	22473	0.10 ng/uL#	86
82) Pyrene	20.102	202	24752	0.13 ng/uL#	69
83) Butyl Benzyl Phthalate	20.930	149	77849	1.05 ng/uL	93
84) Bis(2-ethylhexyl) adipate	21.029	129	4649	0.13 ng/uL#	100
85) Benzo(a)anthracene	21.507	228	13344	0.09 ng/uL#	62
86) Chrysene	21.542	228	14599	0.10 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.553	149	2358689	24.86 ng/uL	93
88) Di-n-octyl Phthalate	22.229	149	43471m	0.59 ng/uL	
90) Benzo(b)fluoroanthene	22.707	252	15465	0.27 ng/uL#	81
91) Benzo(k)fluoranthene	22.736	252	13935	0.22 ng/uL#	80
92) Benzo(a)pyrene	23.121	252	11529	0.21 ng/uL#	89
93) Indeno(1,2,3-cd)pyrene	24.846	276	6417	0.14 ng/uL	91
94) Dibdenz(a,h)anthracene	24.870	278	4159	0.11 ng/uL#	86
95) Benzo(g,h,i)Perylene	25.330	276	5340	0.13 ng/uL#	56

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 07:52:20 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

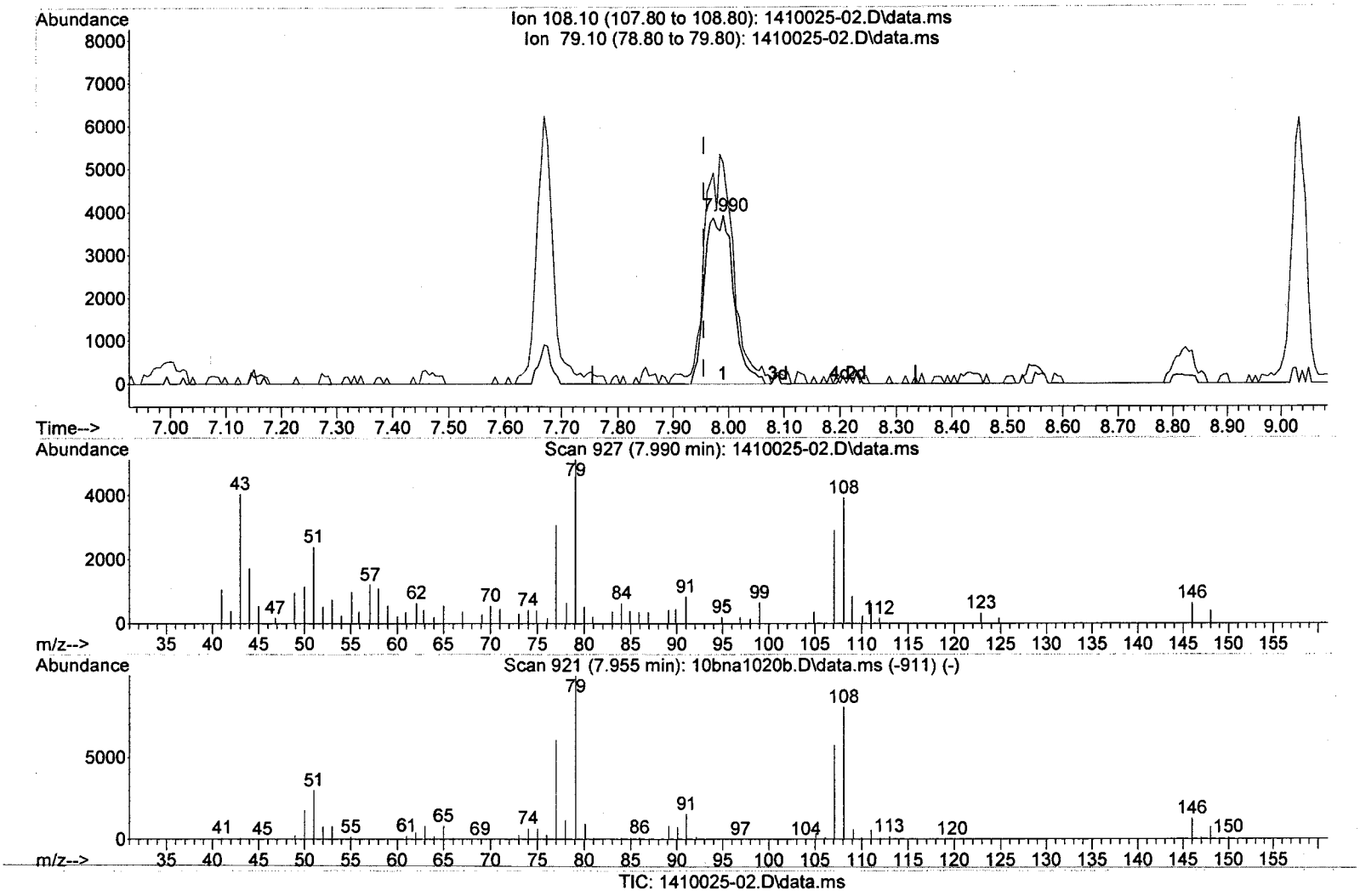
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.669	152	381079	5.00 ng/uL #	0.02
8) Naphthalene-d8	10.391	136	1463554	5.00 ng/uL	0.00
11) Acenaphthene-d10	14.489	164	794760	5.00 ng/uL	0.00
16) Phenanthrene-d10	17.910	188	1219759	5.00 ng/uL	0.00
19) Chrysene-d12	21.518	240	791058	5.00 ng/uL #	0.00
22) Perylene-d12	23.191	264	315010	5.00 ng/uL #	0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	3.152	74	2281	0.04 ng/uL#	78
3) Pyridine	3.193	79	983	0.01 ng/uL#	62
4) Aniline	6.999	93	113	0.00 ng/uL#	1
5) Benzaldehyde	6.778	105	268	0.00 ng/uL#	1
6) Acetophenone	8.509	105	9608	0.07 ng/uL#	96
7) N-Nitroso-di-n-propyla...	8.550	70	2571	0.04 ng/uL	88
9) 4-Chloroaniline	10.590	127	652	0.02 ng/uL	86
10) Caprolactam	11.359	55	3200	0.16 ng/uL#	12
12) 1,1'-Biphenyl	13.172	154	1477	0.01 ng/uL#	79
13) 2-Nitroaniline	0.000		0	N.D.	
14) 3-Nitroaniline	0.000		0	N.D.	
15) 4-Nitroaniline	15.888	138	60	Below Cal #	1
17) N-Nitroso-diphenylamine	16.150	169	1282	0.01 ng/uL#	57
18) Atrazine	17.473	200	191	Below Cal #	25
20) Benzidine	20.003	184	5526	0.46 ng/uL#	71
21) 3,3'-Dichlorobenzidine	21.501	252	867	0.02 ng/uL	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:19:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(14) Benzyl Alcohol

7.990min (+ 0.035) 0.21 ng/uL

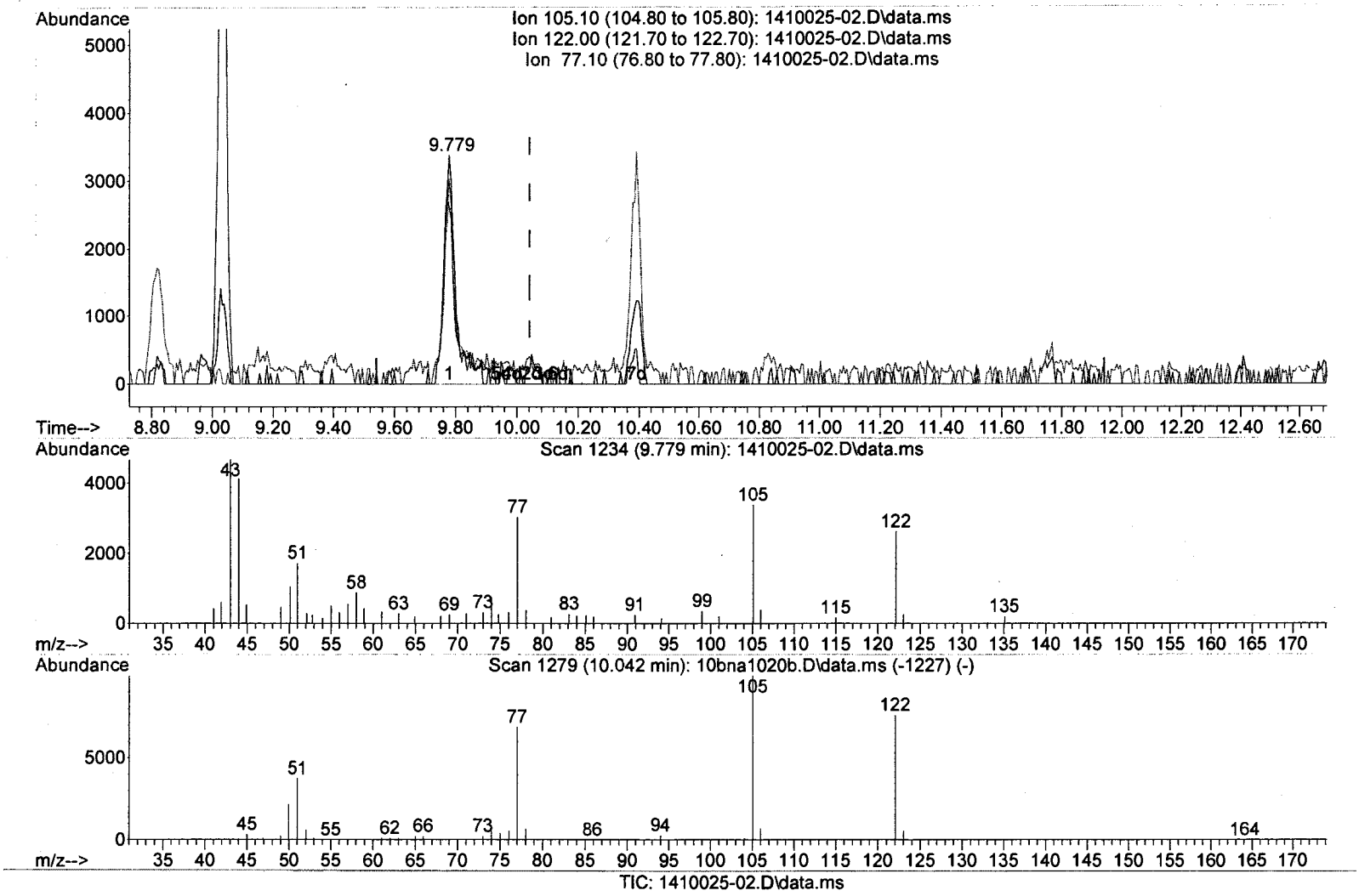
response 14072

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	134.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(30) Benzoic Acid

9.779min (-0.262) 2.58 ng/uL

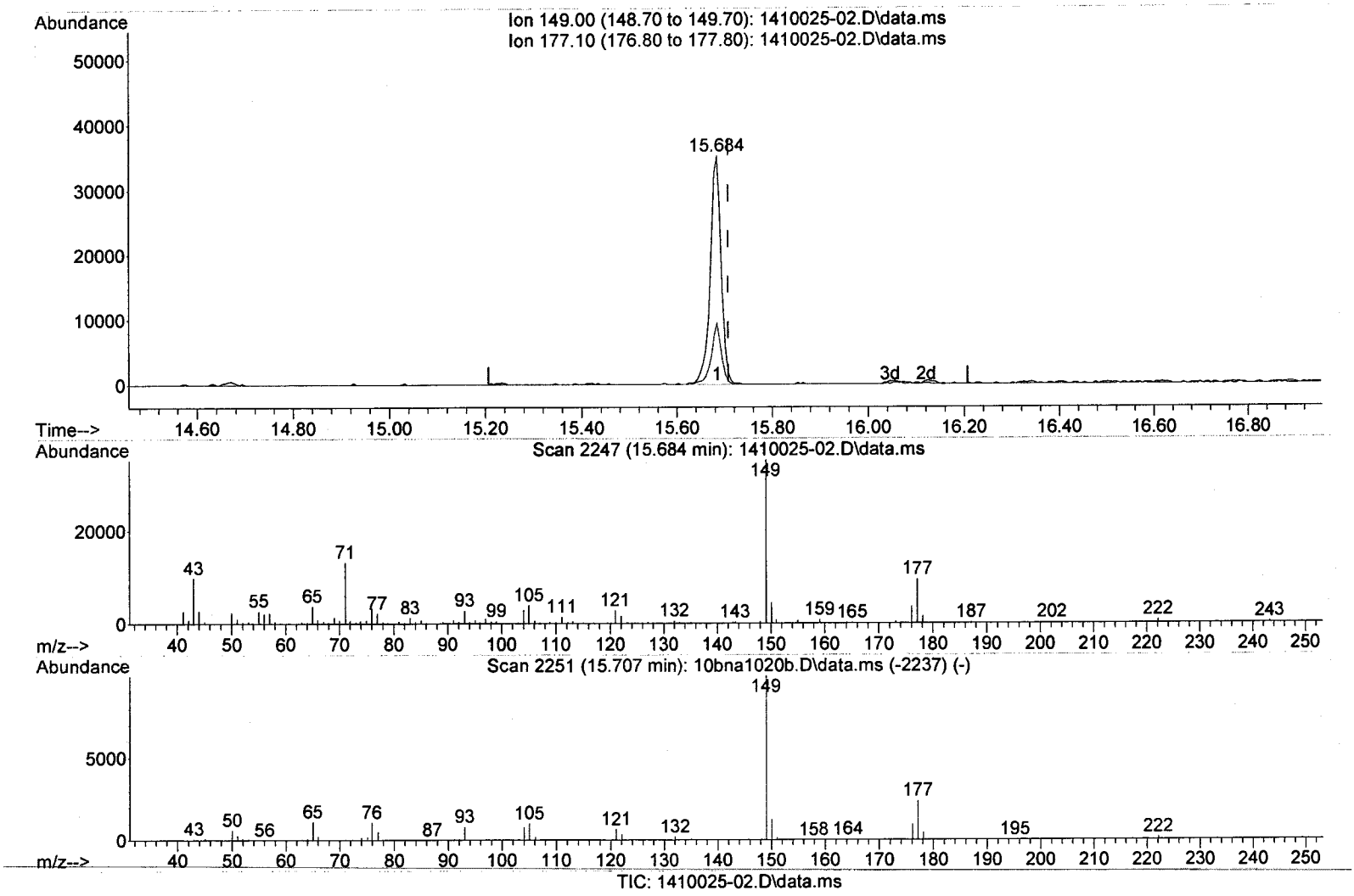
response 9747

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	78.88
77.10	74.70	89.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(63) Diethyl Phthalate

15.684min (-0.023) 0.35 ng/uL

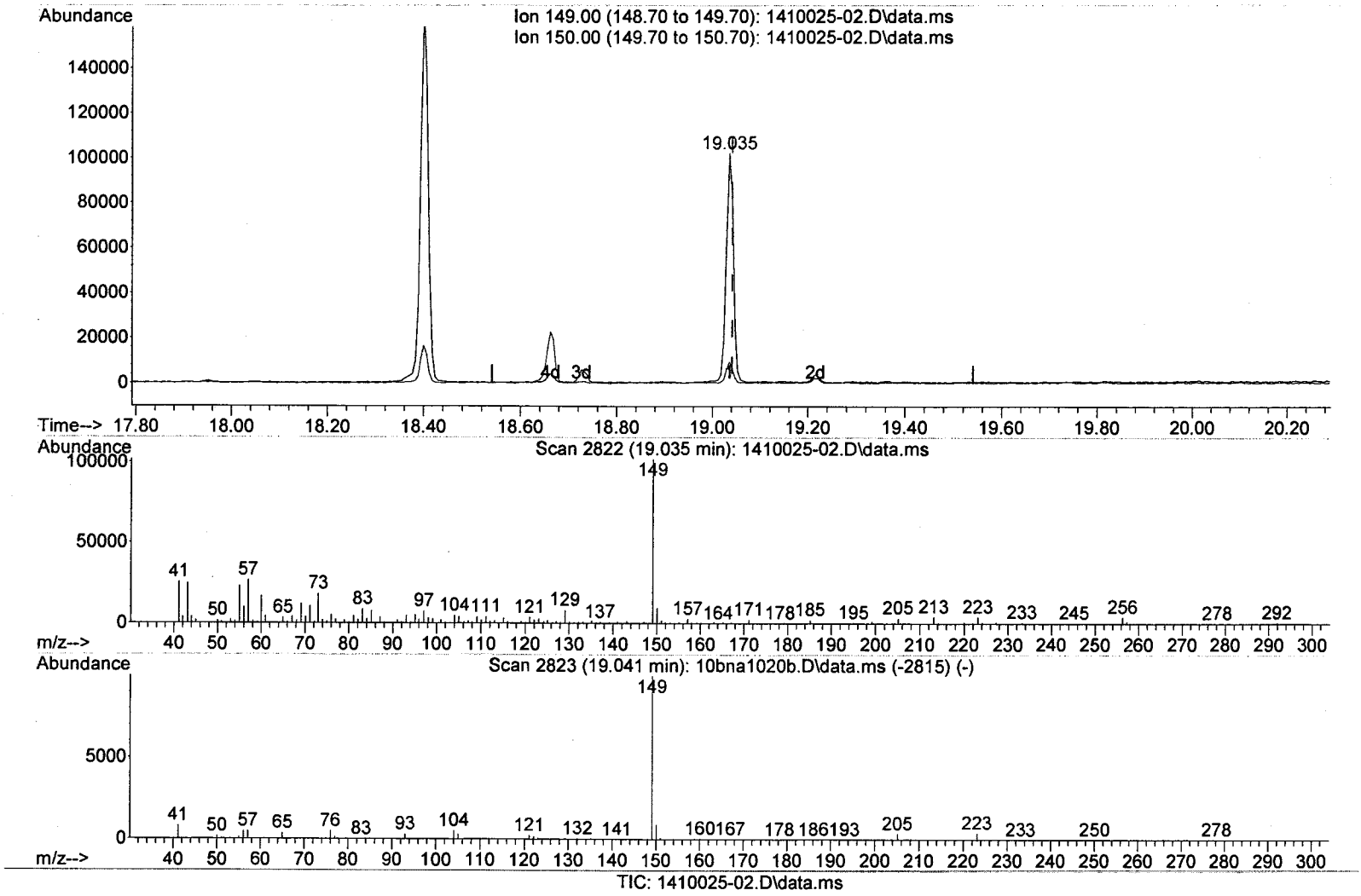
response 56191

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	24.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(79) Di-n-butyl Phthalate

19.035min (-0.006) 0.46 ng/uL

response 107114

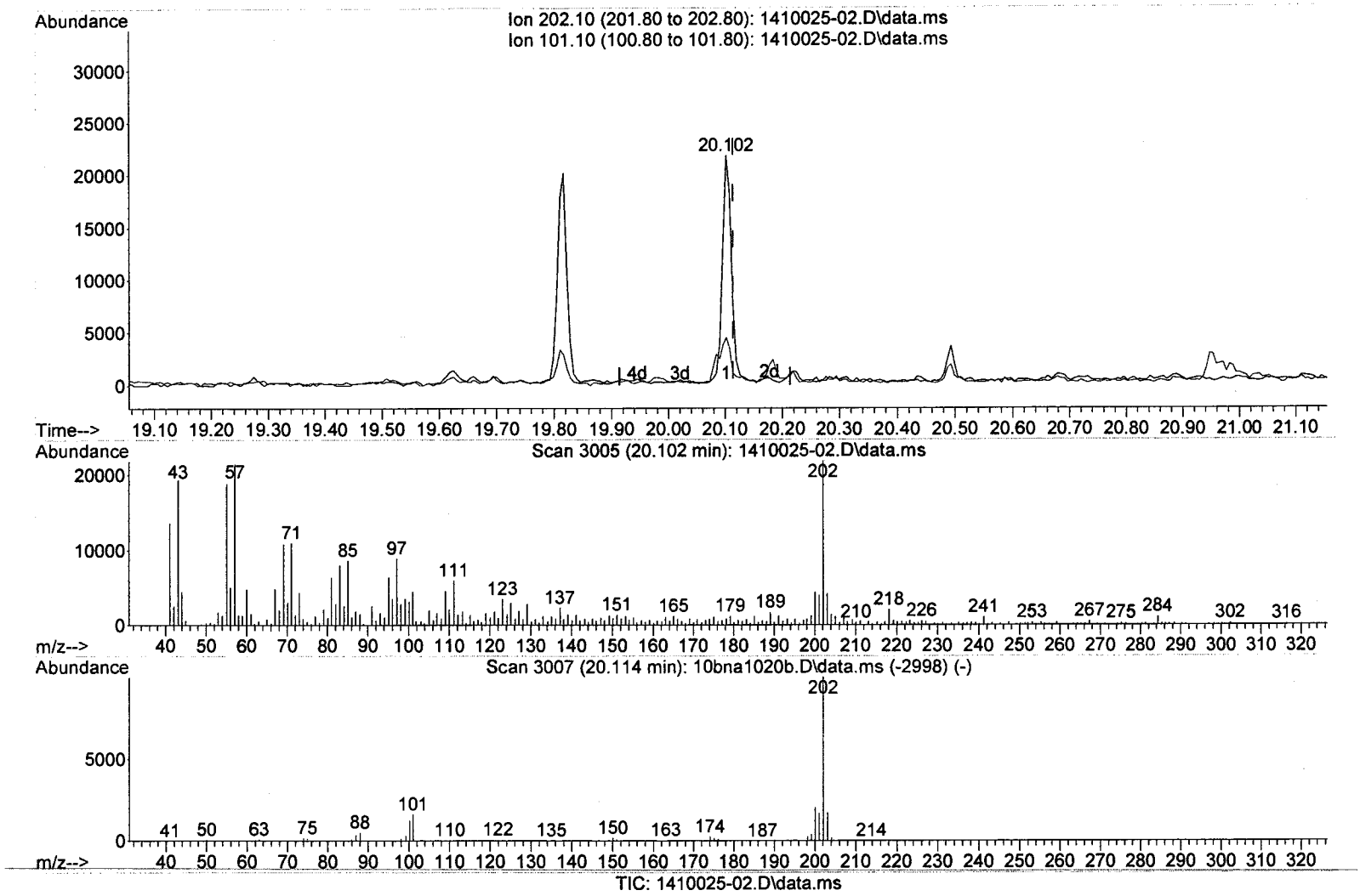
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.02
0.00	0.00	0.00
0.00	0.00	0.00

003554

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(82) Pyrene

20.102min (-0.012) 0.13 ng/uL

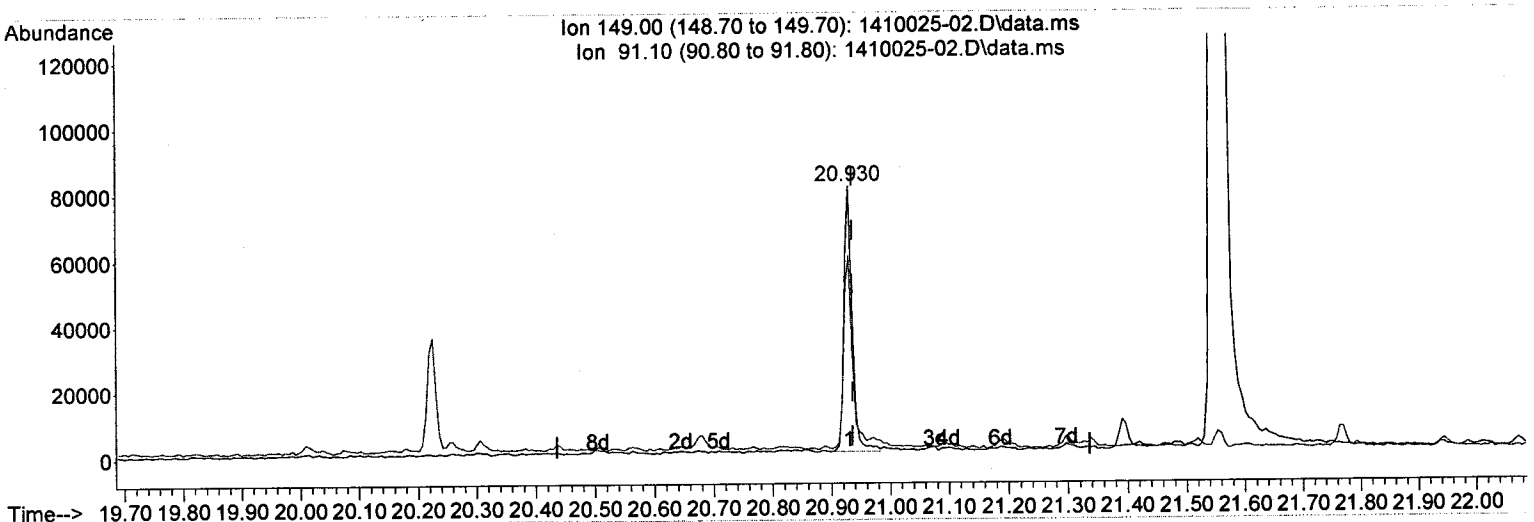
response 24752

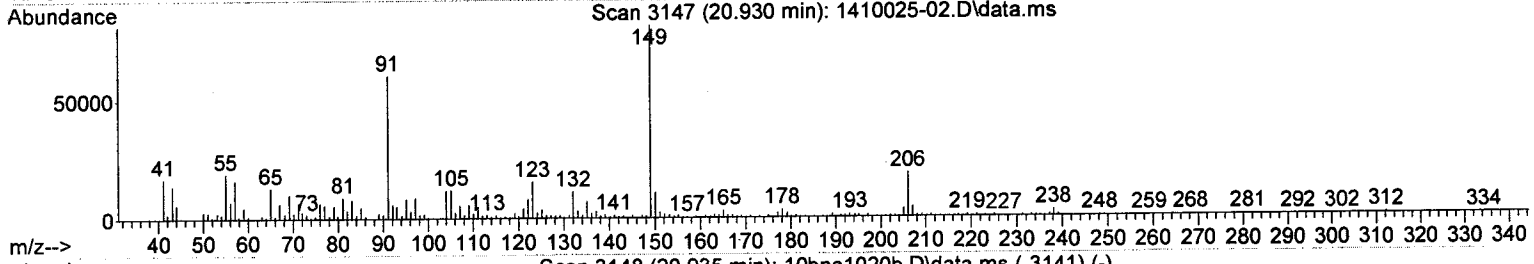
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	29.23#
0.00	0.00	0.00
0.00	0.00	0.00

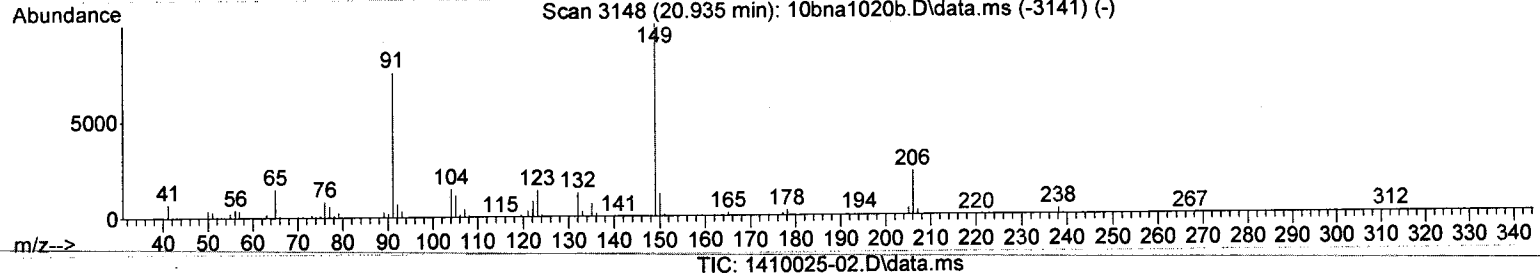
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-02.D\data.ms

(83) Butyl Benzyl Phthalate

20.930min (-0.006) 1.05 ng/uL

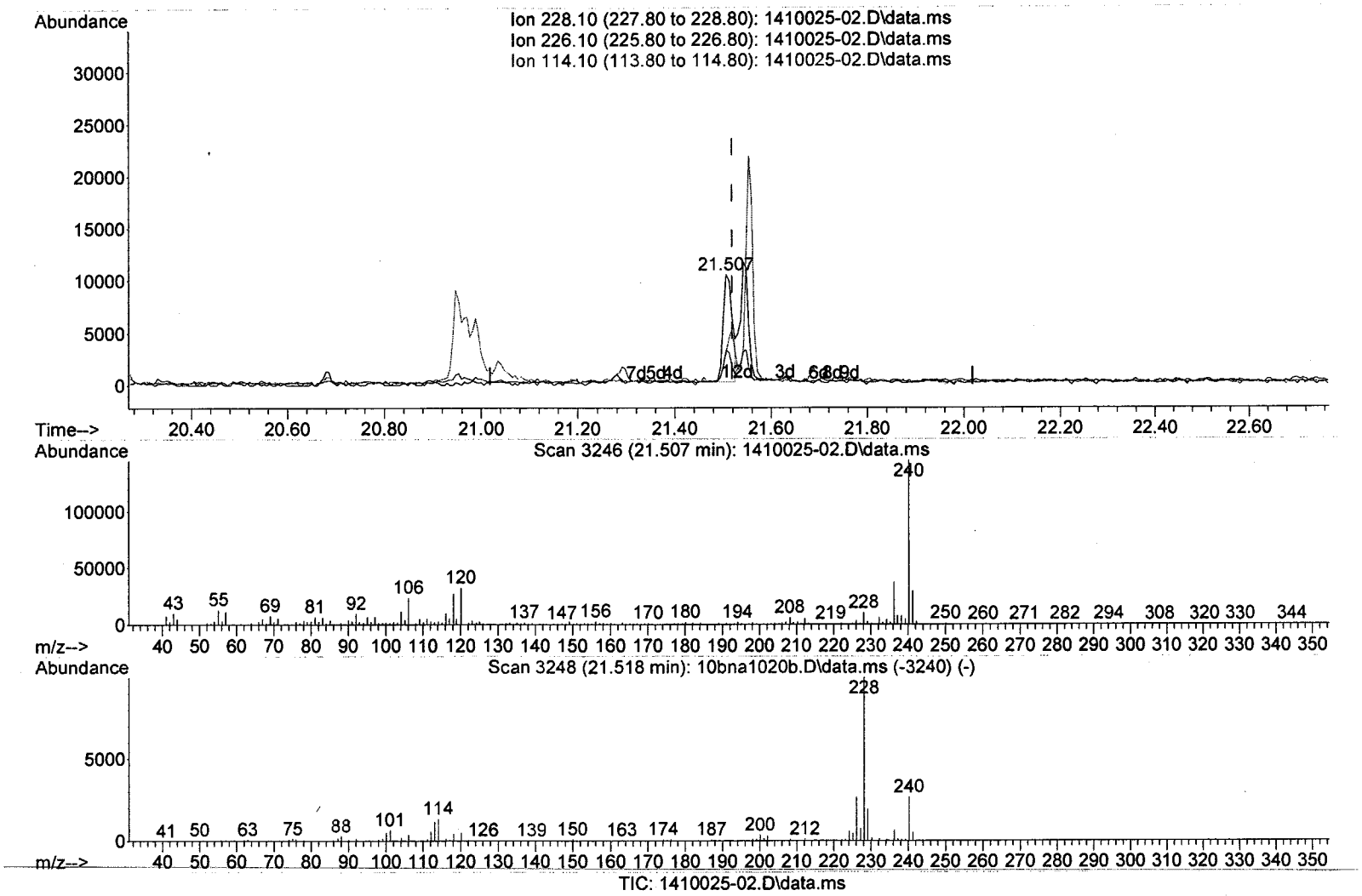
response 77849

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	78.01
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(85) Benzo(a)anthracene

21.507min (-0.012) 0.09 ng/uL

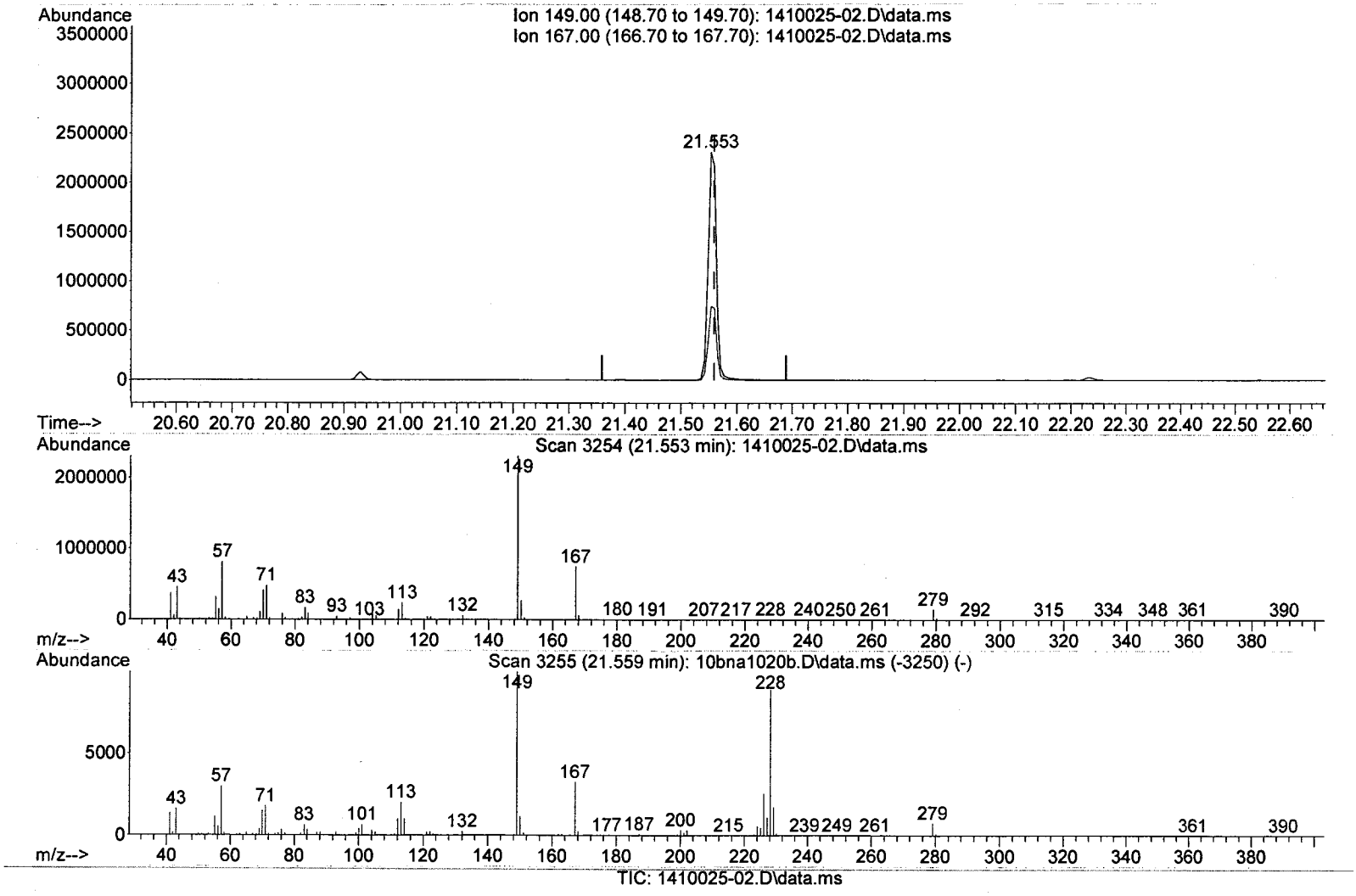
response 13344

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	28.84
114.10	13.30	53.27#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.553min (-0.006) 24.86 ng/uL

response 2358689

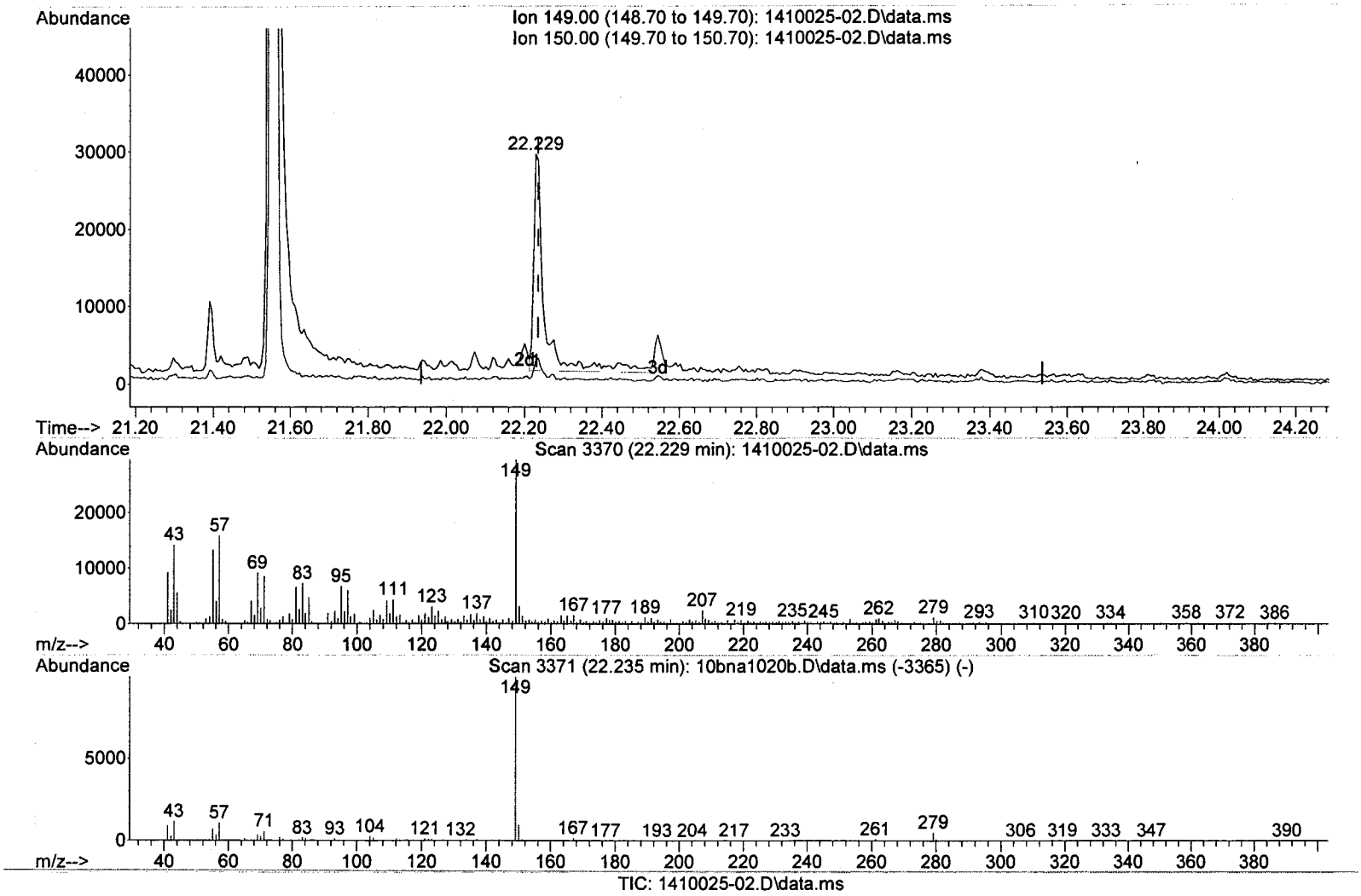
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.17
0.00	0.00	0.00
0.00	0.00	0.00

003558

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 0.65 ng/uL

response 53590

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	6.31#
0.00	0.00	0.00
0.00	0.00	0.00

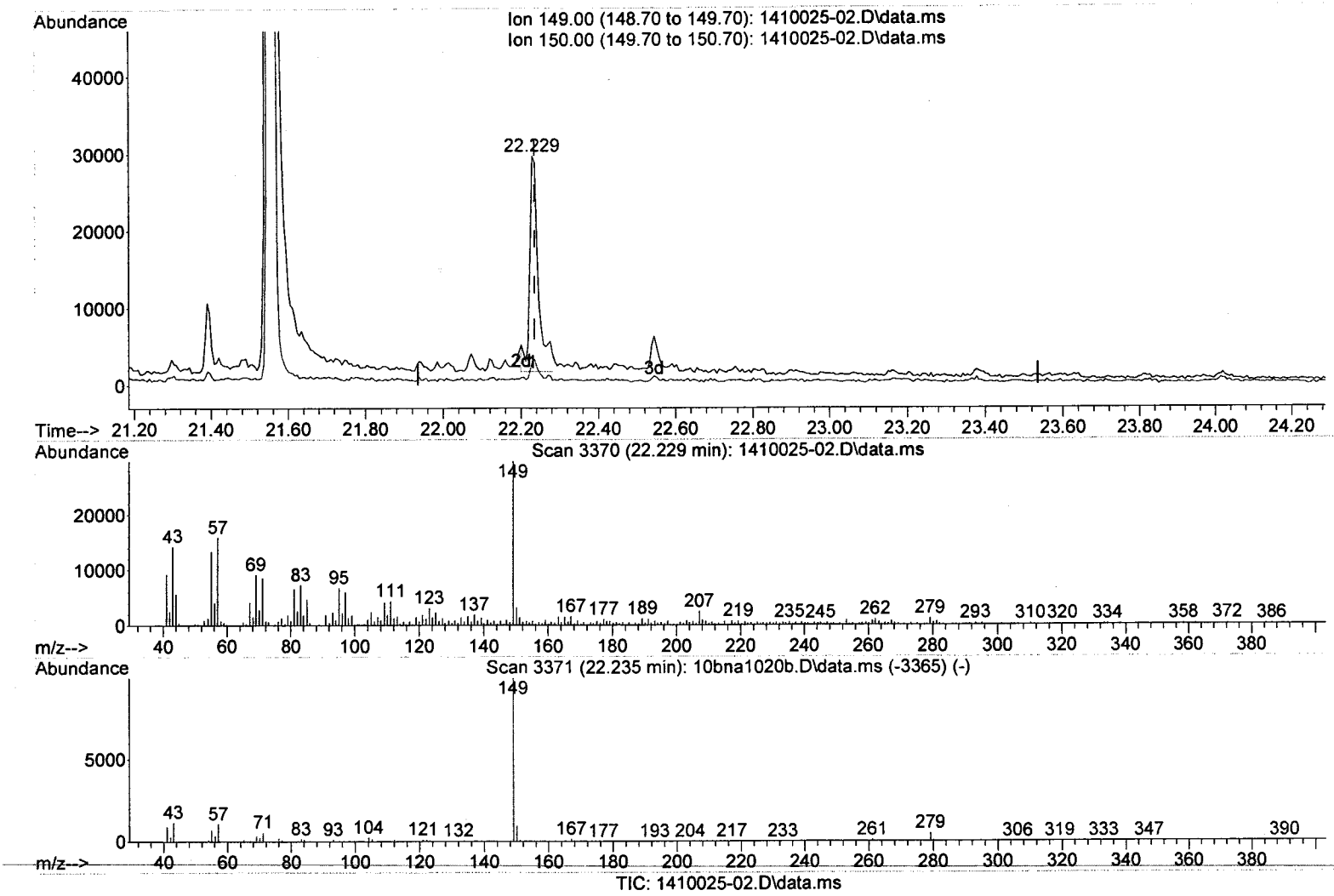
JLB 10/21/14

DWO 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 0.59 ng/uL m

response 43471

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	7.78
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

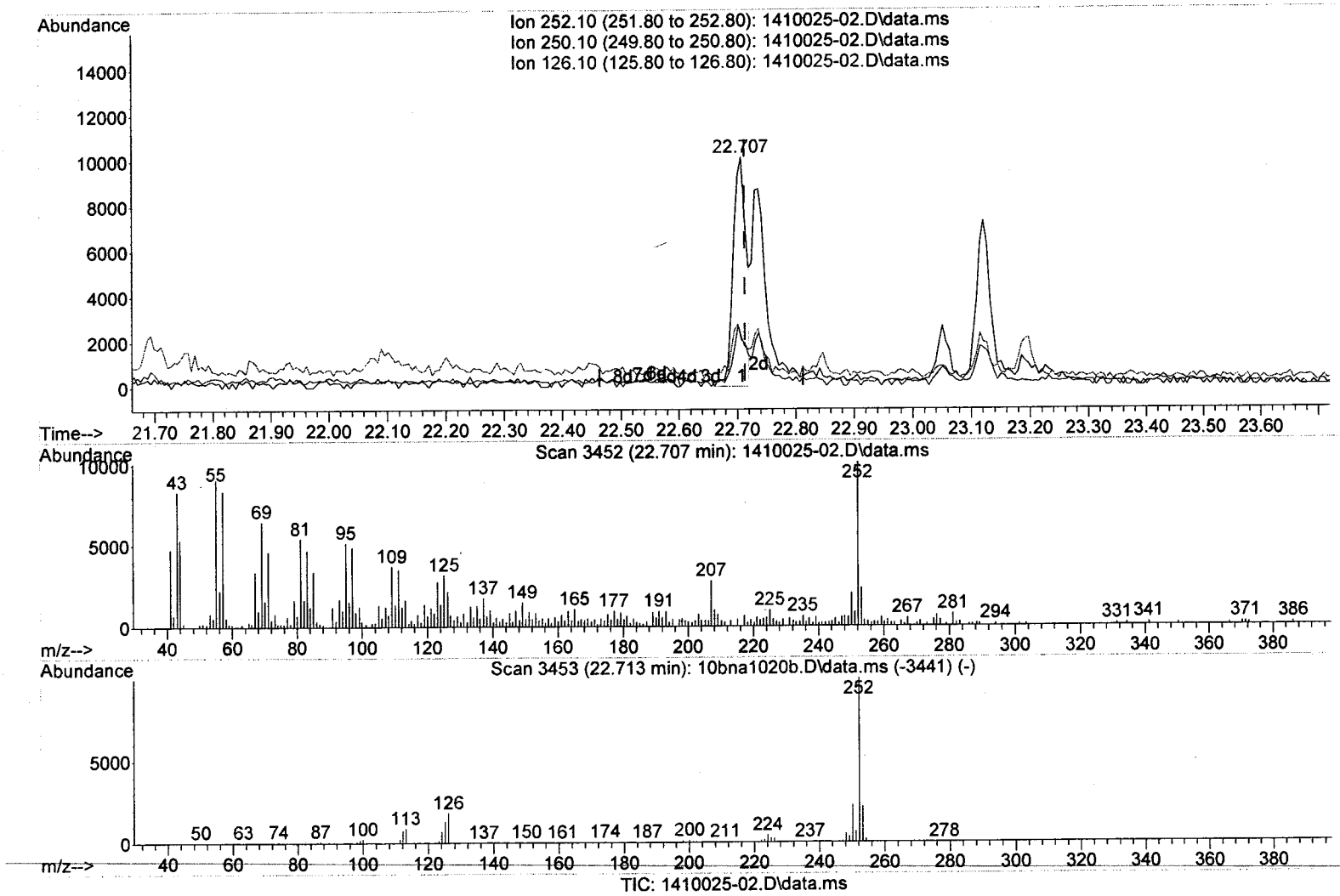
Analyst: JLB Date: 10/21/14

Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.707min (-0.006) 0.27 ng/uL

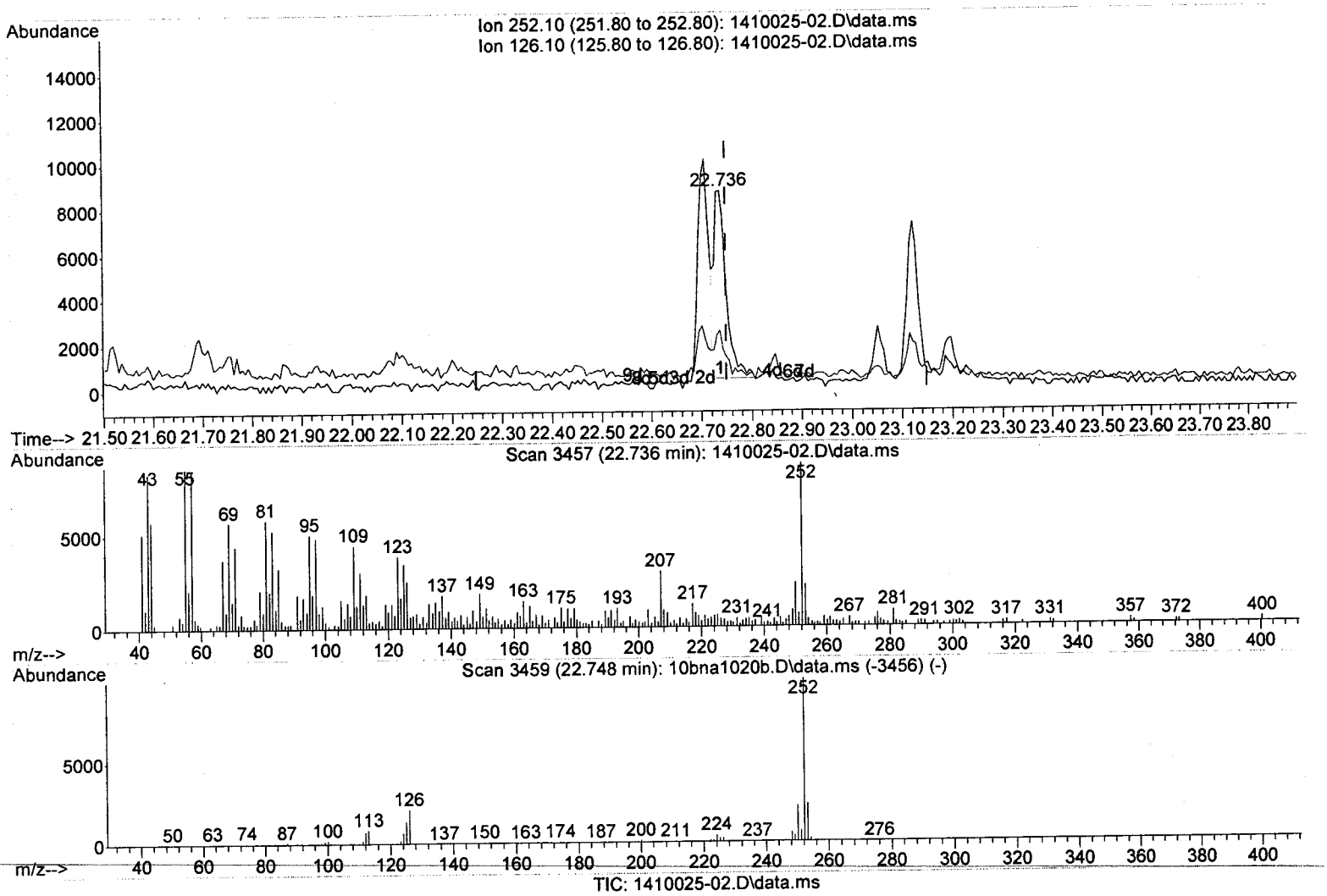
response 15465

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	29.65#
126.10	17.20	27.84#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.736min (-0.012) 0.22 ng/uL

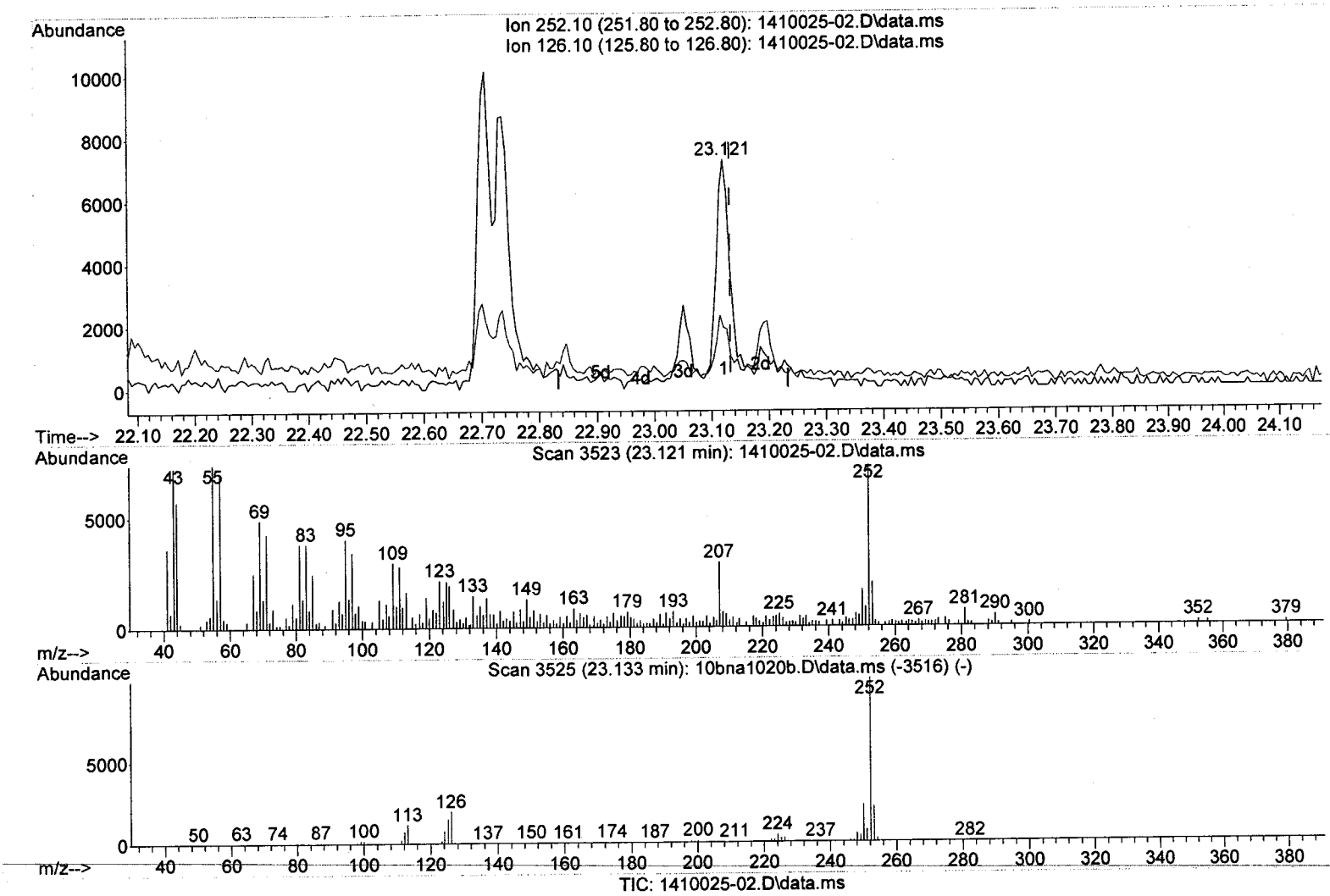
response 13935

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	27.71#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

23.121min (-0.012) 0.21 ng/uL

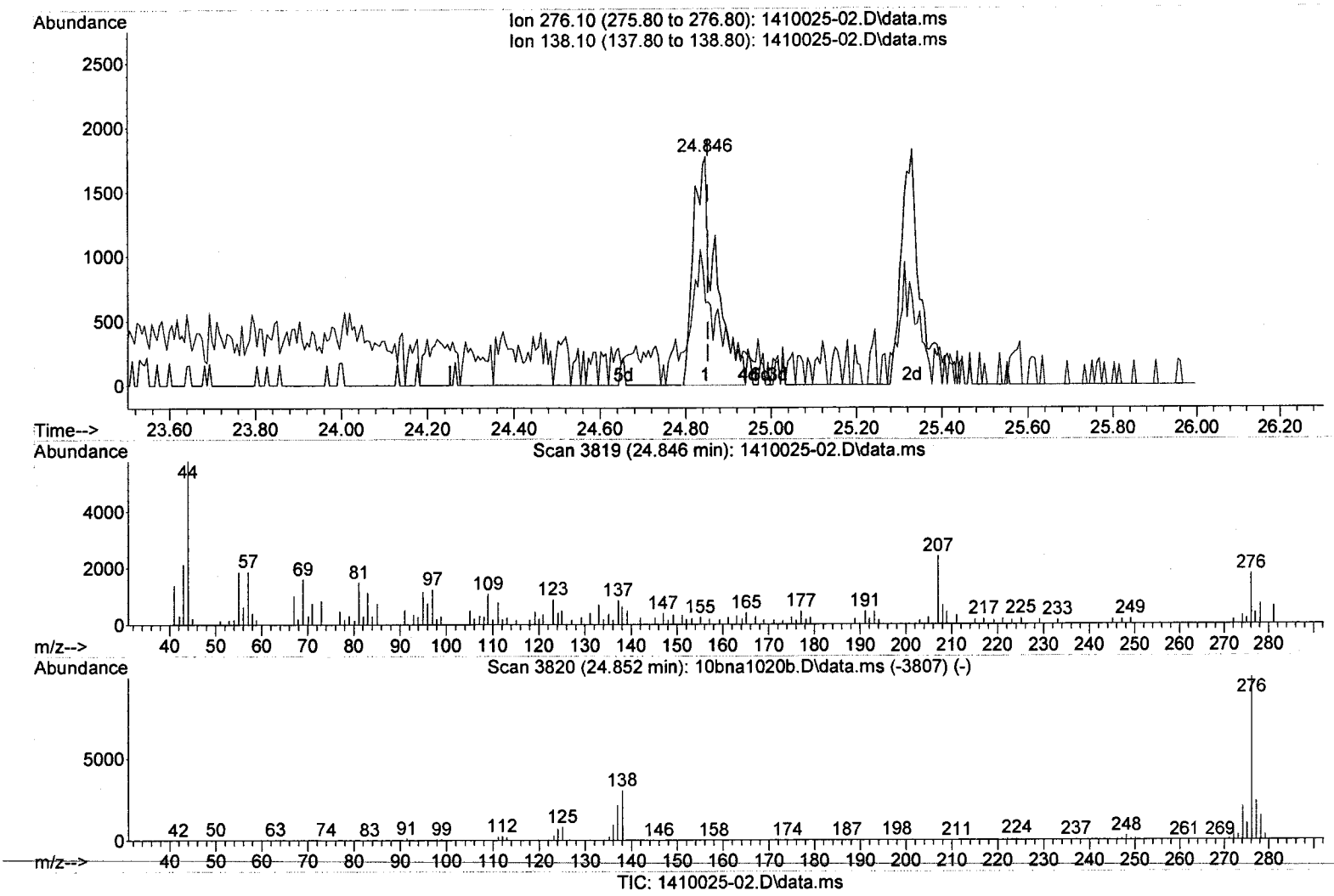
response 11529

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	24.54#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(93) Indeno(1,2,3-cd)pyrene

24.846min (-0.006) 0.14 ng/uL

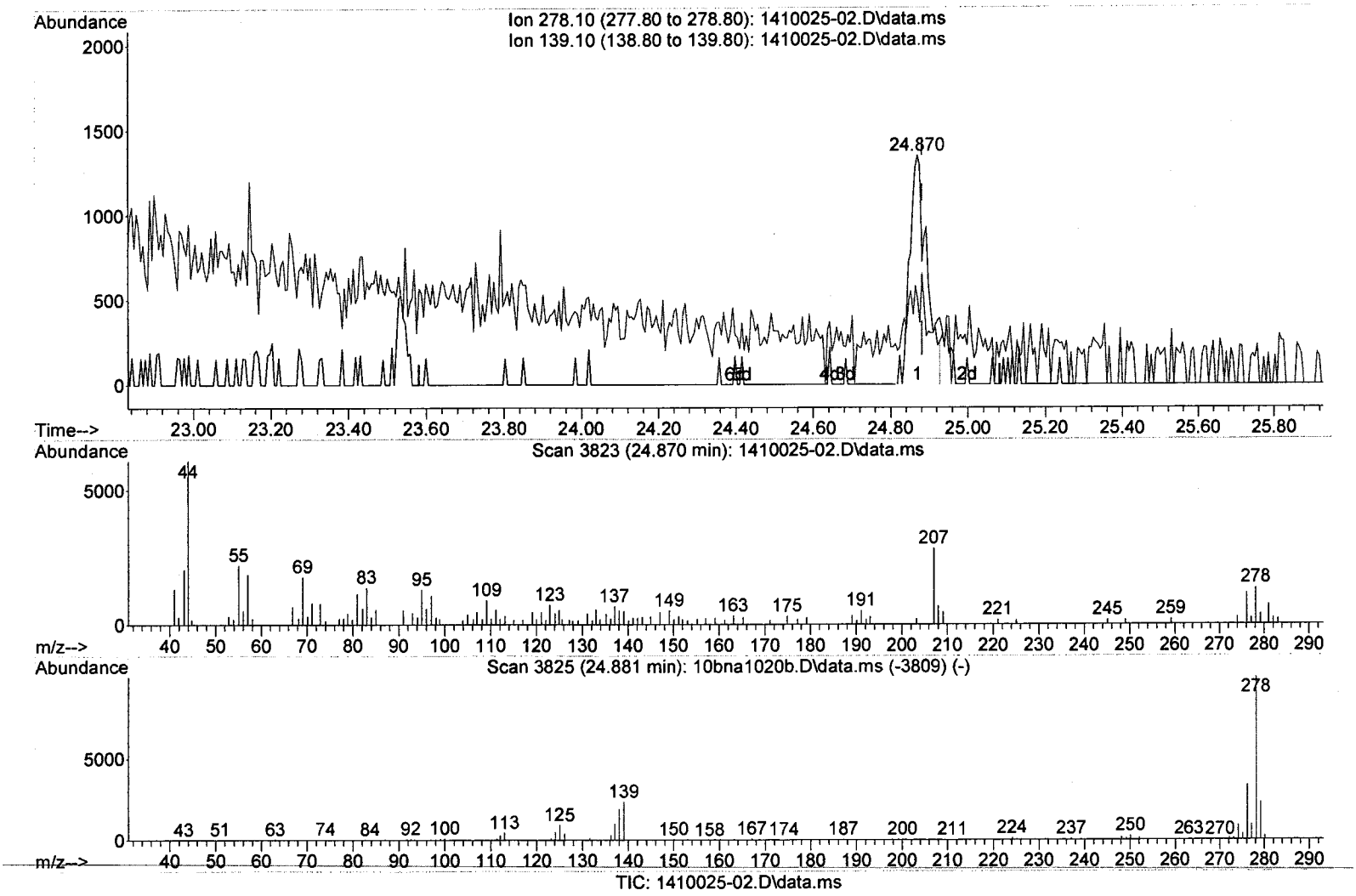
response 6417

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	23.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(94) Dibdenz(a,h)anthracene

24.870min (-0.012) 0.11 ng/uL

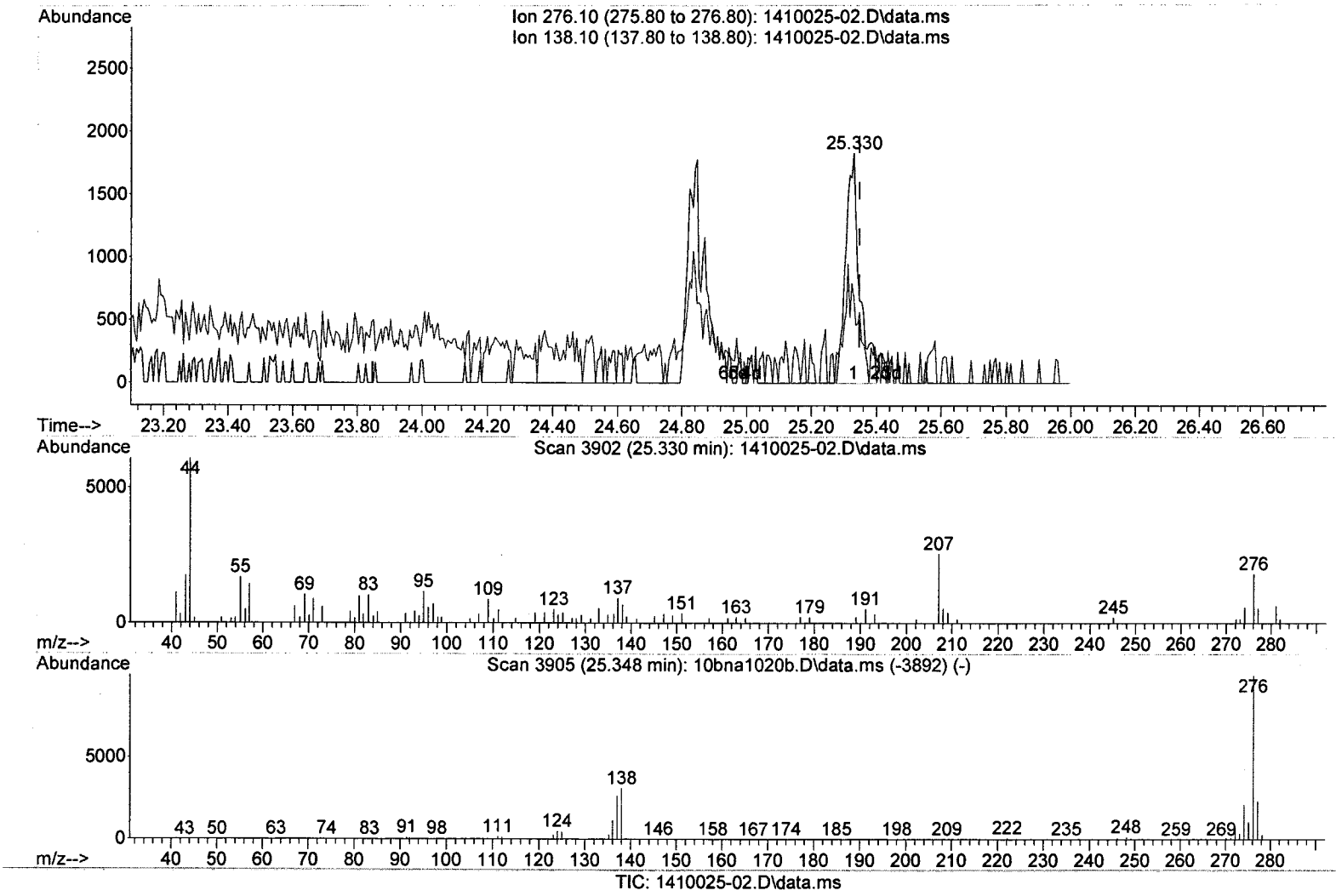
response 4159

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	11.16#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-02.D
Acq On : 21 Oct 2014 1:42
Operator : JLB
Sample : 1410025-02 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 21 08:18:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-02.D\data.ms

(95) Benzo(g,h,i)Perylene

25.330min (-0.018) 0.13 ng/uL

response 5340

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	49.87#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB12-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-02RE1 File ID: 1410025-02 5x.D

Sampled: 09/30/14 09:41 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 16:03

Solids: 96.61 Preparation: 3550C Sonication Extract Initial/Final: 29.1 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	5	86	24	86	86	U
208-96-8	Acenaphthylene	5	86	22	86	86	U
120-12-7	Anthracene	5	86	21	86	86	U
56-55-3	Benzo(a)anthracene	5	43	14	43	86	U
50-32-8	Benzo(a)pyrene	5	43	12	43	86	U
205-99-2	Benzo(b)fluoranthene	5	11	9.9	43	86	J
207-08-9	Benzo(k)fluoranthene	5	11	10	43	86	J
191-24-2	Benzo(g,h,i)perylene	5	43	9.8	43	170	U
65-85-0	Benzoic Acid	5	860	360	860	1700	U
100-51-6	Benzyl Alcohol	5	86	24	86	86	U
101-55-3	4-Bromophenyl Phenyl Ether	5	86	21	86	86	U
85-68-7	Butyl Benzyl Phthalate	5	30	21	86	170	J
86-74-8	Carbazole	5	86	21	86	860	U
59-50-7	4-Chloro-3-methylphenol	5	86	26	86	86	U
106-47-8	4-Chloroaniline	5	86	46	86	350	U
111-91-1	Bis(2-chloroethoxy)methane	5	86	21	86	86	U
111-44-4	Bis(2-chloroethyl) Ether	5	86	20	86	86	U
108-60-1	Bis(2-chloroisopropyl) Ether	5	43	19	43	86	U
91-58-7	2-Chloronaphthalene	5	86	25	86	86	U
95-57-8	2-Chlorophenol	5	86	20	86	86	U
7005-72-3	4-Chlorophenyl Phenyl Ether	5	86	20	86	86	U
218-01-9	Chrysene	5	86	20	86	86	U
53-70-3	Dibenz(a,h)anthracene	5	43	9.9	43	170	U
132-64-9	Dibenzofuran	5	86	25	86	86	U
84-74-2	Di-n-butyl Phthalate	5	170	70	170	350	U
106-46-7	1,4-Dichlorobenzene	5	86	25	86	86	U
95-50-1	1,2-Dichlorobenzene	5	86	28	86	86	U
541-73-1	1,3-Dichlorobenzene	5	86	29	86	86	U
91-94-1	3,3′-Dichlorobenzidine	5	3400	1400	3400	4300	U
120-83-2	2,4-Dichlorophenol	5	86	21	86	170	U
84-66-2	Diethyl Phthalate	5	86	25	86	86	U
105-67-9	2,4-Dimethylphenol	5	690	190	690	860	U
131-11-3	Dimethyl Phthalate	5	86	24	86	86	U
534-52-1	4,6-Dinitro-2-methylphenol	5	340	110	340	860	U
51-28-5	2,4-Dinitrophenol	5	860	290	860	860	U
606-20-2	2,6-Dinitrotoluene	5	43	21	43	86	U
121-14-2	2,4-Dinitrotoluene	5	43	17	43	170	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB12-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-02RE1 File ID: 1410025-02 5x.D

Sampled: 09/30/14 09:41 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 16:03

Solids: 96.61 Preparation: 3550C Sonication Extract Initial/Final: 29.1 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	5	66	20	86	86	JB
122-66-7	1,2-Diphenylhydrazine	5	43	17	43	86	U
117-81-7	Bis(2-ethylhexyl) Phthalate	5	710	60	86	170	
206-44-0	Fluoranthene	5	86	23	86	86	U
86-73-7	Fluorene	5	86	21	86	170	U
118-74-1	Hexachlorobenzene	5	86	25	86	86	U
87-68-3	Hexachlorobutadiene	5	86	24	86	86	U
67-72-1	Hexachloroethane	5	86	26	86	86	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	43	14	43	170	U
78-59-1	Isophorone	5	86	20	86	86	U
91-57-6	2-Methylnaphthalene	5	86	24	86	86	U
108-39-4	3+4-Methylphenol	5	43	19	43	86	U
95-48-7	2-Methylphenol	5	43	18	43	86	U
91-20-3	Naphthalene	5	86	29	86	86	U
100-01-6	4-Nitroaniline	5	350	130	350	1700	U
88-74-4	2-Nitroaniline	5	43	19	43	86	U
99-09-2	3-Nitroaniline	5	170	85	170	1700	U
98-95-3	Nitrobenzene	5	86	24	86	86	U
88-75-5	2-Nitrophenol	5	86	23	86	86	U
100-02-7	4-Nitrophenol	5	1700	530	1700	3500	U
62-75-9	N-Nitroso-dimethylamine	5	35	17	35	170	U
86-30-6	N-Nitroso-diphenylamine	5	43	18	43	86	U
621-64-7	N-Nitroso-di-n-propylamine	5	86	21	86	86	U
87-86-5	Pentachlorophenol	5	86	68	86	860	U
85-01-8	Phenanthrene	5	86	21	86	86	U
108-95-2	Phenol	5	86	20	86	860	U
129-00-0	Pyrene	5	86	22	86	86	U
120-82-1	1,2,4-Trichlorobenzene	5	86	23	86	86	U
95-95-4	2,4,5-Trichlorophenol	5	86	23	86	86	U
88-06-2	2,4,6-Trichlorophenol	5	43	13	43	86	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	711	525	74	33 - 113	D
Phenol-d6	711	548	77	30 - 115	D
Nitrobenzene-d5	356	254	72	33 - 131	D
2-Fluorobiphenyl	356	286	80	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB12-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-02RE1
File ID: 1410025-02 5x.D
Sampled: 09/30/14 09:41
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 16:03
Solids: 96.61
Preparation: 3550C Sonication Extract
Initial/Final: 29.1 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21047
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	711	345	48	12 - 124	D
o-Terphenyl	356	315	88	20 - 155	D

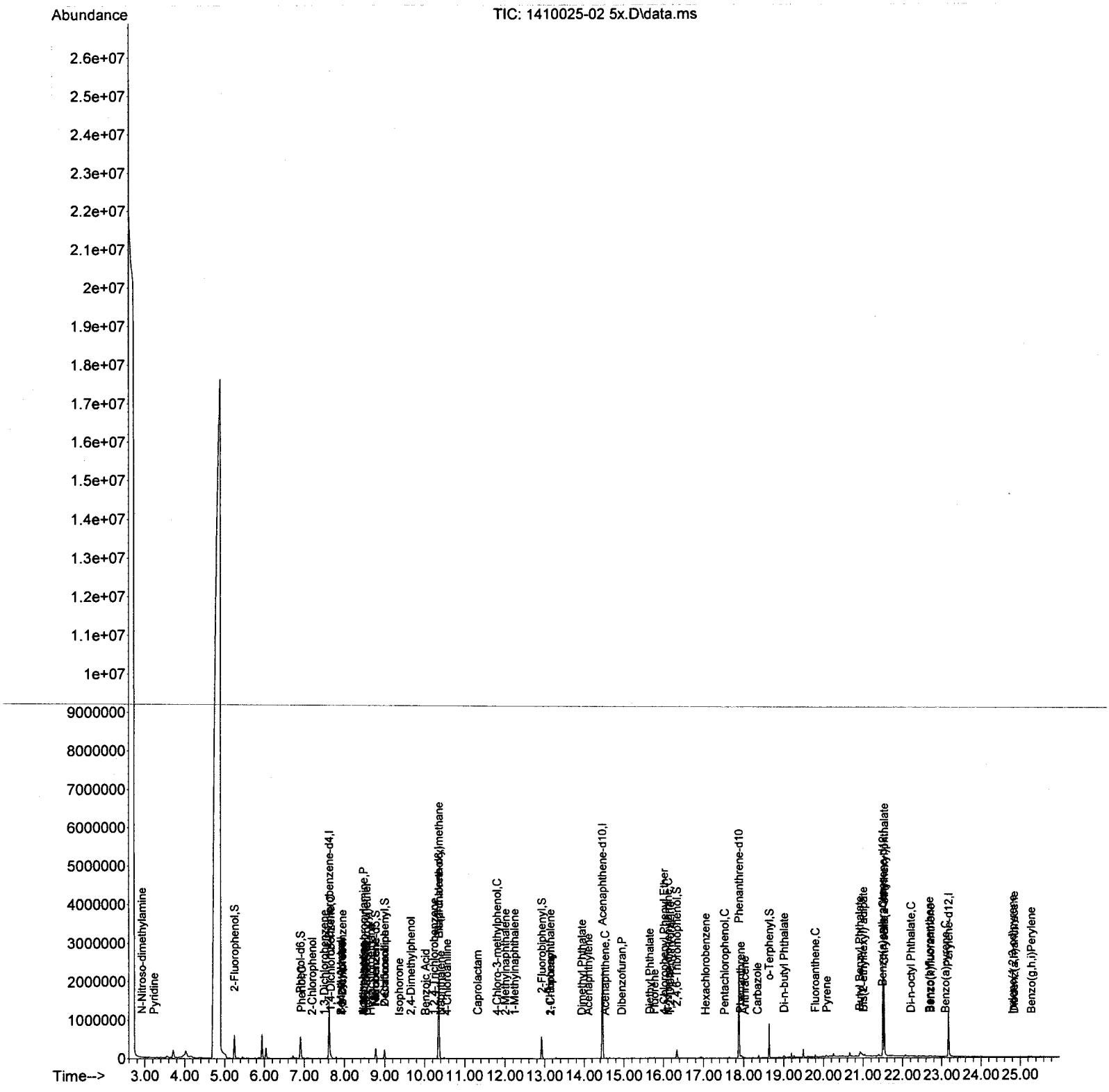
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	422206	7.617	403279	7.614	
Naphthalene-d8	1668832	10.35	1529030	10.359	
Acenaphthene-d10	908512	14.46	866604	14.474	
Phenanthrene-d10	1356427	17.881	1400442	17.901	
Chrysene-d12	1047875	21.501	1153654	21.538	
Perylene-d12	663492	23.173	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-02 5x.D
Acq On : 21 Oct 2014 16:03
Operator : JLB
Sample : 1410025-02 5x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 22 08:05:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-02 5x.D
Acq On : 21 Oct 2014 16:03
Operator : JLB
Sample : 1410025-02 5x
ALS Vial : 7 Sample Multiplier: 1

rel

Inst : 339

Quant Time: Oct 22 08:05:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.617	152	422206	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.350	136	1668832	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.460	164	908512	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.881	188	1356427	5.00	ng/uL	0.00
81) Chrysene-d12	21.501	240	1047875	5.00	ng/uL	# 0.00
89) Perylene-d12	23.173	264	663492	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.250	112	284880	2.95	ng/uL	0.06
6) Phenol-d6	6.906	99	385082	3.08	ng/uL	-0.01
21) Nitrobenzene-d5	8.771	82	152316	1.43	ng/uL	-0.02
23) Decafluorobiphenyl	8.998	334	93713	1.25	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.927	172	302894	1.61	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.337	330	39994	1.94	ng/uL	-0.02
78) o-Terphenyl	18.639	230	206253	1.77	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.925	74	527	0.01	ng/uL#	1
3) Pyridine	3.234	79	1226	0.01	ng/uL	89
5) Aniline	0.000		0	N.D.		
7) Phenol	6.929	94	2119	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	7.191	128	138	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.494	146	339	0.00	ng/uL#	34
11) 1,4-Dichlorobenzene	7.652	146	540	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	7.949	146	427	0.00	ng/uL	88
13) Bis(2-chloroisipropyl)...	8.544	45	135	0.00	ng/uL#	51
14) Benzyl Alcohol	7.914	108	3143	0.04	ng/uL	93
15) 2-Methylphenol	7.914	108	3143	0.03	ng/uL#	70
16) Acetophenone	8.462	105	1838	0.01	ng/uL#	85
17) Hexachloroethane	8.649	119	56	0.00	ng/uL#	3
18) 4-Methylphenol	8.491	108	242	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.479	70	225	0.00	ng/uL#	1
22) Nitrobenzene	8.765	77	945	0.01	ng/uL#	1
24) Isophorone	9.365	82	258	0.00	ng/uL#	58
25) 2-Chloroaniline	8.998	127	1313	0.01	ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.657	107	55	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	10.356	93	899	0.01	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	10.018	105	214	(1) ~~2.46~~	ng/uL#	11
31) 1,2,4-Trichlorobenzene	10.234	180	234	0.00	ng/uL	95
32) Naphthalene	10.403	128	1237	0.00	ng/uL#	1
33) 4-Chloroaniline	10.560	127	131	0.00	ng/uL#	27
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.318	55	3650	0.08	ng/uL#	36
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	11.802	107	222	0.00	ng/uL#	10
39) 2-Methylnaphthalene	12.006	142	1126	0.01	ng/uL	90
40) 1-Methylnaphthalene	12.239	142	786	0.00	ng/uL#	86
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-02 5x.D
Acq On : 21 Oct 2014 16:03
Operator : JLB
Sample : 1410025-02 5x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 22 08:05:19 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.148	162	65	0.00 ng/uL#	35
49) 1,1'-Biphenyl	13.148	154	525	0.00 ng/uL#	74
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.104	152	191	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.941	163	718	0.00 ng/uL#	73
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.530	153	504	0.00 ng/uL#	85
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.949	168	508	0.00 ng/uL#	60
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.771	166	788	0.00 ng/uL#	42
63) Diethyl Phthalate	15.649	149	9906	0.05 ng/uL	92
64) 4-Chlorophenyl Phenyl ...	16.022	204	251	0.00 ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.115	169	519	0.00 ng/uL#	41
69) 1,2-Diphenylhydrazine	16.173	182	58	0.00 ng/uL	86
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	17.053	284	61	0.00 ng/uL#	19
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.526	266	600	0.02 ng/uL#	72
75) Phenanthrene	17.922	178	9368	0.04 ng/uL	100
76) Anthracene	18.021	178	3507	0.01 ng/uL#	87
77) Carbazole	18.342	167	1610	0.01 ng/uL#	92
79) Di-n-butyl Phthalate	19.012	149	19005	0.07 ng/uL	99
80) Fluoroanthene	19.793	202	8966	0.04 ng/uL	95
82) Pyrene	20.084	202	10411	0.04 ng/uL#	79
83) Butyl Benzyl Phthalate	20.912	149	16415	0.17 ng/uL	98
84) Bis(2-ethylhexyl) adipate	21.011	129	2384	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.489	228	9697	0.05 ng/uL#	45
86) Chrysene	21.530	228	7644	0.04 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.536	149	503468	4.01 ng/uL	91
88) Di-n-octyl Phthalate	22.218	149	6296m	0.37 ng/uL	
90) Benzo(b)fluoroanthene	22.684	252	7143	0.06 ng/uL#	85
91) Benzo(k)fluoranthene	22.719	252	7684	0.06 ng/uL#	80
92) Benzo(a)pyrene	23.098	252	5571	0.05 ng/uL#	91
93) Indeno(1,2,3-cd)pyrene	24.805	276	4505	0.05 ng/uL#	73
94) Dibdenz(a,h)anthracene	24.846	278	3116	0.04 ng/uL#	61
95) Benzo(g,h,i)Perylene	25.283	276	3685	0.04 ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-02 5x.D
Acq On : 21 Oct 2014 16:03
Operator : JLB
Sample : 1410025-02 5x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 22 07:52:53 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

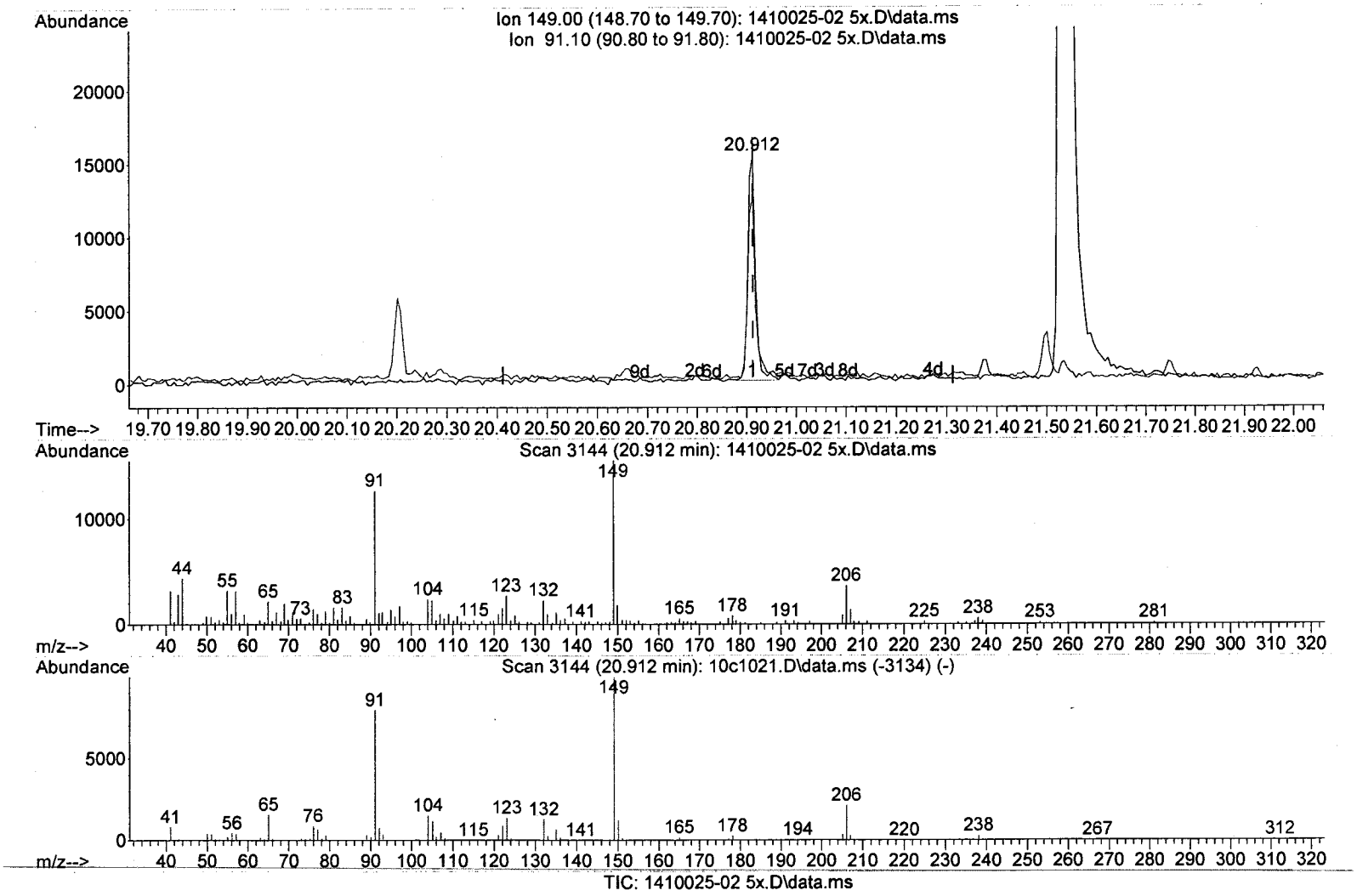
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.617	152	418696	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.350	136	1668832	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.460	164	902195	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.881	188	1356427	5.00	ng/uL		0.00
19) Chrysene-d12	21.501	240	1047875	5.00	ng/uL	#	0.00
22) Perylene-d12	23.173	264	664194	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.925	74	527	0.01	ng/uL	#	1
3) Pyridine	3.234	79	1226	0.01	ng/uL		89
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.772	105	1463	0.02	ng/uL	#	1
6) Acetophenone	8.462	105	1838	0.01	ng/uL	#	85
7) N-Nitroso-di-n-propyla...	8.503	70	116	0.00	ng/uL	#	1
9) 4-Chloroaniline	10.560	127	131	0.01	ng/uL	#	27
10) Caprolactam	11.318	55	1794	0.13	ng/uL	#	48
12) 1,1'-Biphenyl	13.148	154	525	0.00	ng/uL	#	74
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.115	169	519	0.00	ng/uL	#	41
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.026	184	2296	0.42	ng/uL	#	93
21) 3,3'-Dichlorobenzidine	21.466	252	182	0.00	ng/uL	#	56

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-02 5x.D
Acq On : 21 Oct 2014 16:03
Operator : JLB
Sample : 1410025-02 5x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 22 08:04:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-02 5x.D\data.ms

(83) Butyl Benzyl Phthalate

20.912min (-0.000) 0.17 ng/uL

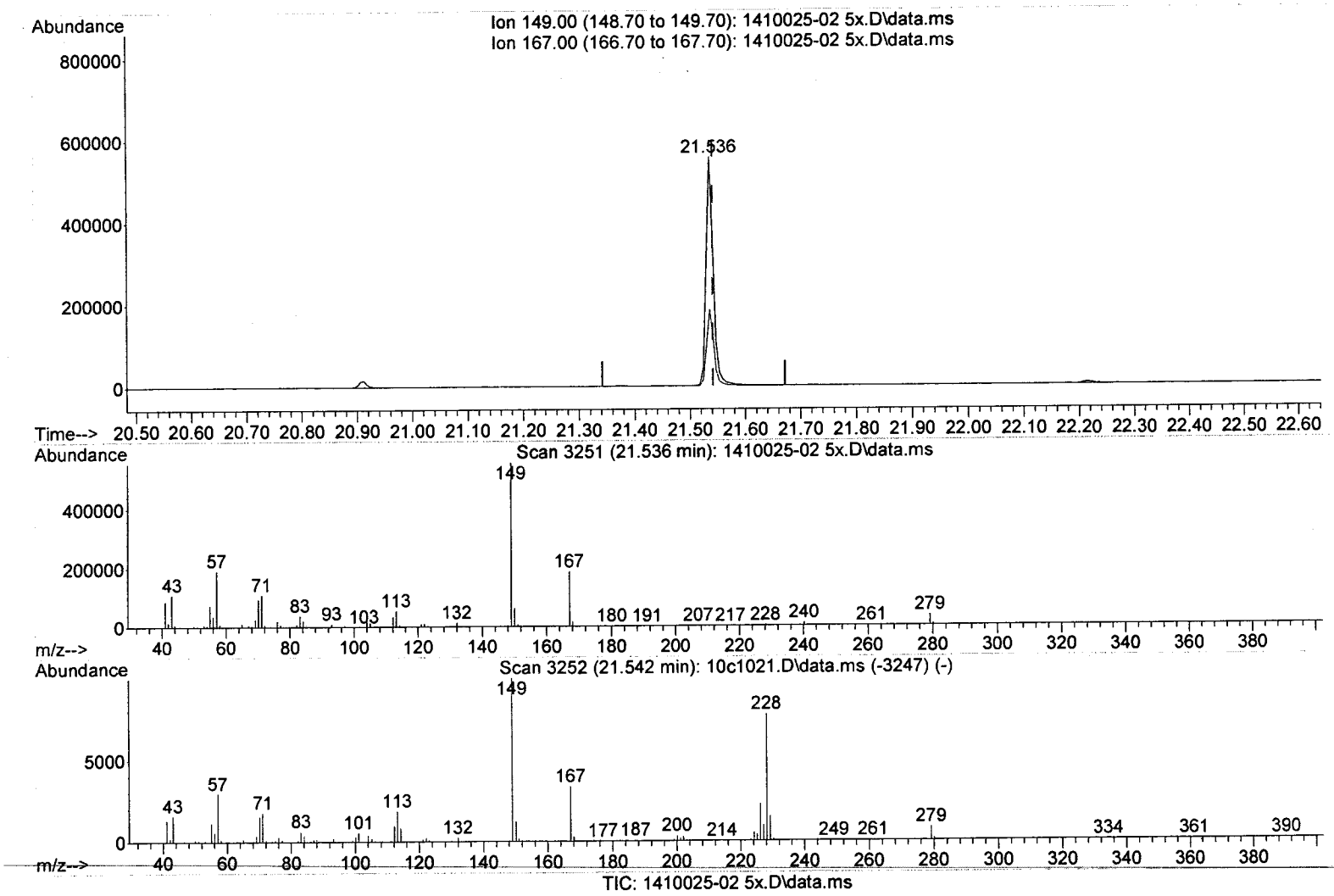
response 16415

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	82.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-02 5x.D
Acq On : 21 Oct 2014 16:03
Operator : JLB
Sample : 1410025-02 5x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 22 08:04:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-02 5x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.536min (-0.006) 4.01 ng/uL

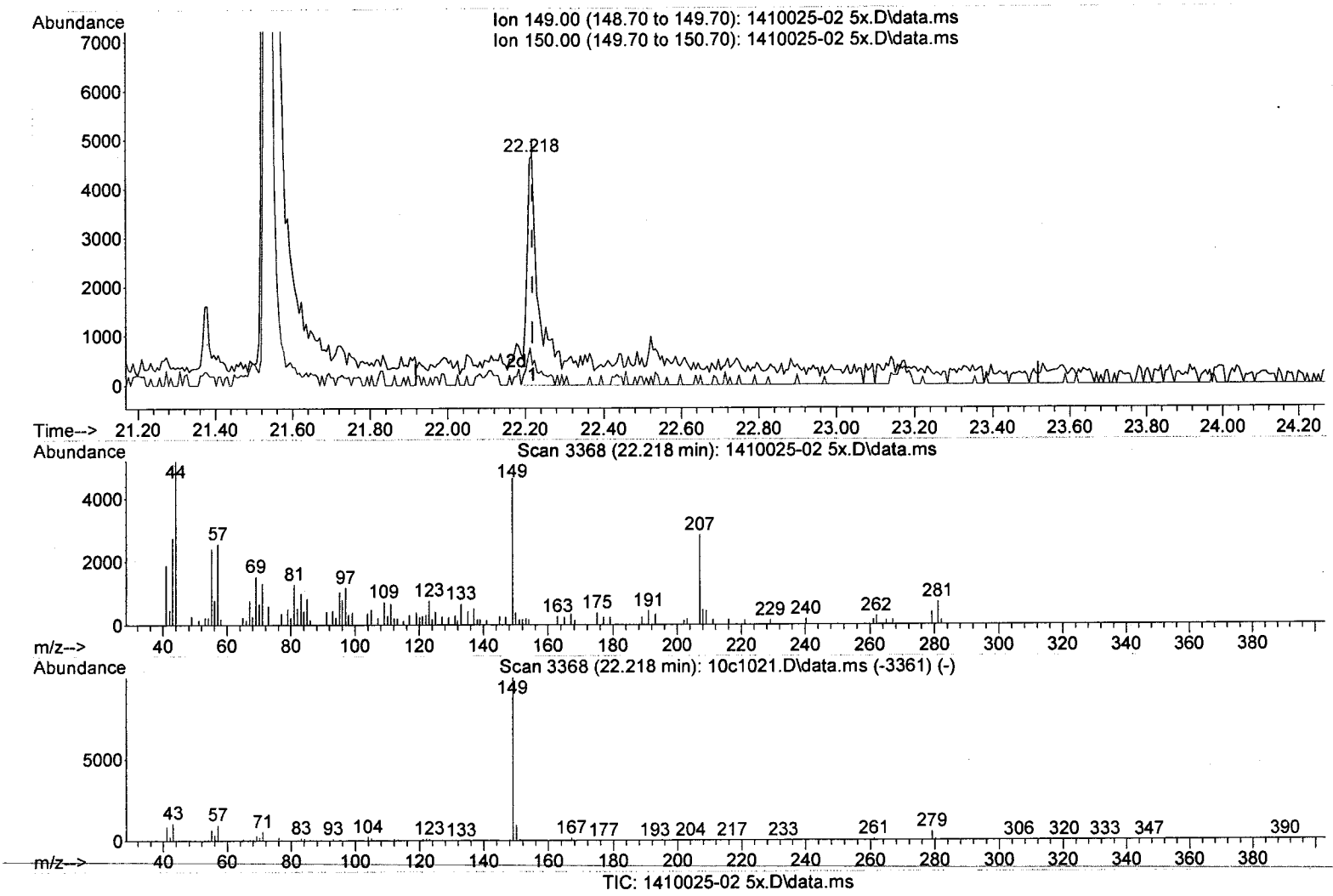
response 503468

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-02 5x.D
Acq On : 21 Oct 2014 16:03
Operator : JLB
Sample : 1410025-02 5x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 22 08:04:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-02 5x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.218min (-0.000) 0.46 ng/uL

response 28180

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	5.44#
0.00	0.00	0.00
0.00	0.00	0.00

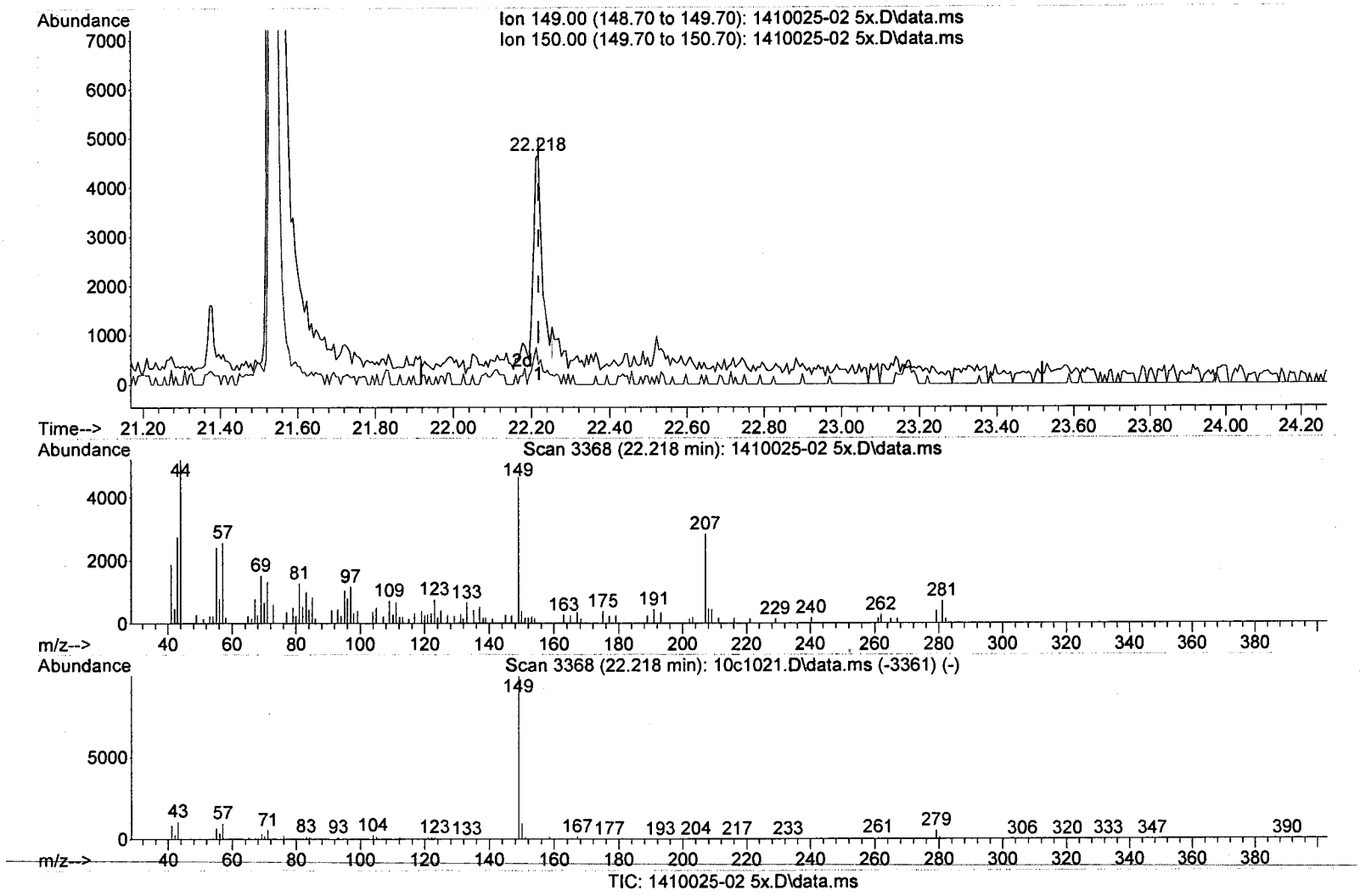
JW 10/22/14

DWO 10.22.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-02 5x.D
Acq On : 21 Oct 2014 16:03
Operator : JLB
Sample : 1410025-02 5x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 22 08:04:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-02 5x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.218min (-0.000) 0.37 ng/uL m

response 6296

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	24.35#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) No

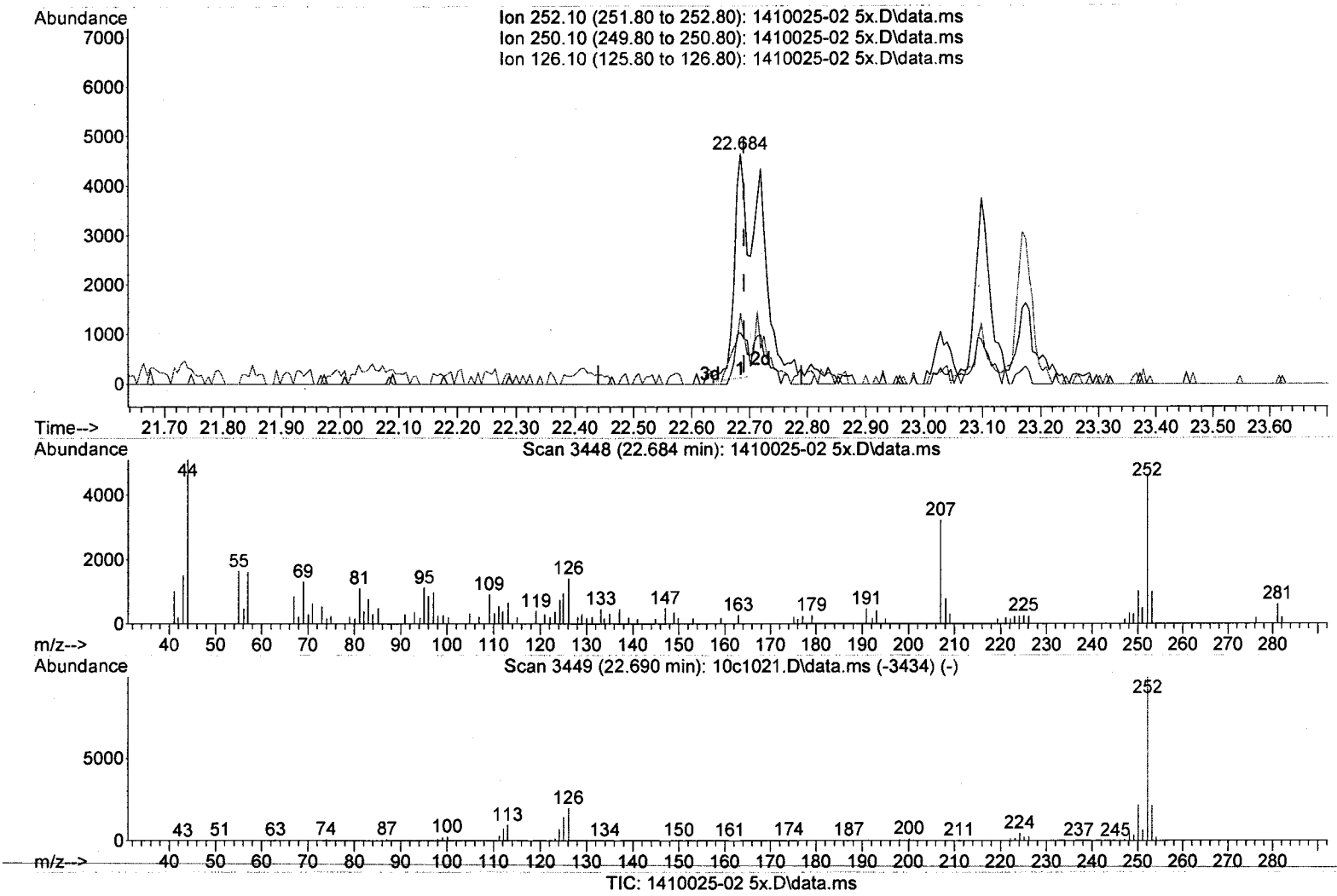
Analyst: JLB Date: 10/22/14

Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-02 5x.D
Acq On : 21 Oct 2014 16:03
Operator : JLB
Sample : 1410025-02 5x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 22 08:04:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-02 5x.D\data.ms

(90) Benzo(b)fluoroanthene

22.684min (-0.006) 0.06 ng/uL

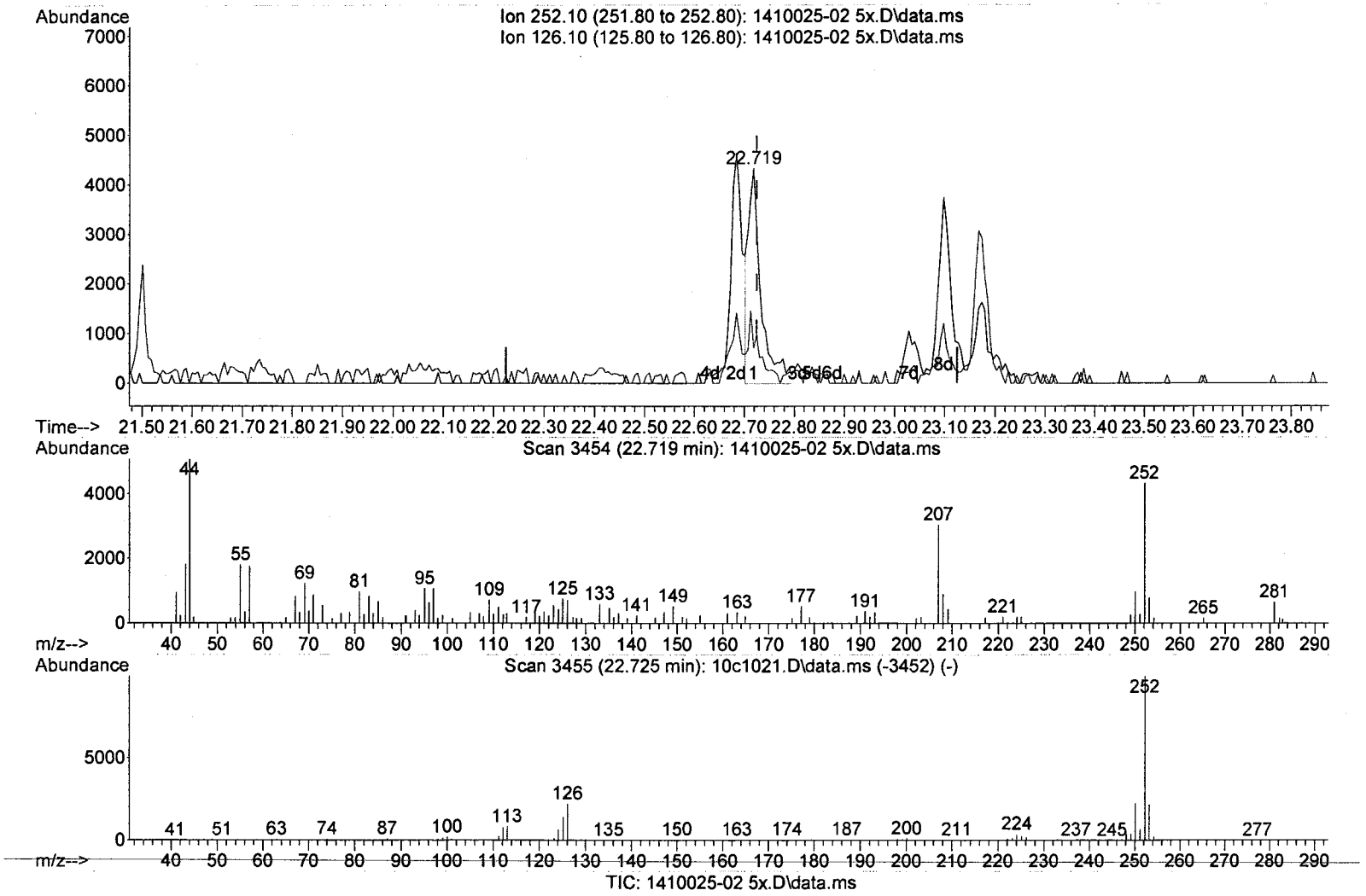
response 7143

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	23.31
126.10	17.20	31.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-02 5x.D
Acq On : 21 Oct 2014 16:03
Operator : JLB
Sample : 1410025-02 5x Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 22 08:04:42 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-02 5x.D\data.ms

(91) Benzo(k)fluoranthene

22.719min (-0.006) 0.06 ng/uL

response 7684

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	27.73#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB13-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-03 File ID: 1410025-03.D

Sampled: 09/30/14 10:34 Prepared: 10/09/14 07:32 Analyzed: 10/20/14 21:26

Solids: 98.00 Preparation: 3550C Sonication Extract Initial/Final: 28.6 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.3	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	1.9	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	93	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.0	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.7	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	1.9	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	11	4.9	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.3	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB13-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-03 File ID: 1410025-03.D

Sampled: 09/30/14 10:34 Prepared: 10/09/14 07:32 Analyzed: 10/20/14 21:26

Solids: 98.00 Preparation: 3550C Sonication Extract Initial/Final: 28.6 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	14	3.9	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	49	12	17	34	
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.8	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.7	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	68	25	68	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	13	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	714	525	74	33 - 113	
Phenol-d6	714	611	86	30 - 115	
Nitrobenzene-d5	357	306	86	33 - 131	
2-Fluorobiphenyl	357	313	88	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB13-20

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-03
File ID: 1410025-03.D
Sampled: 09/30/14 10:34
Prepared: 10/09/14 07:32
Analyzed: 10/20/14 21:26
Solids: 98.00
Preparation: 3550C Sonication Extract
Initial/Final: 28.6 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	714	430	60	12 - 124	
o-Terphenyl	357	342	96	20 - 155	

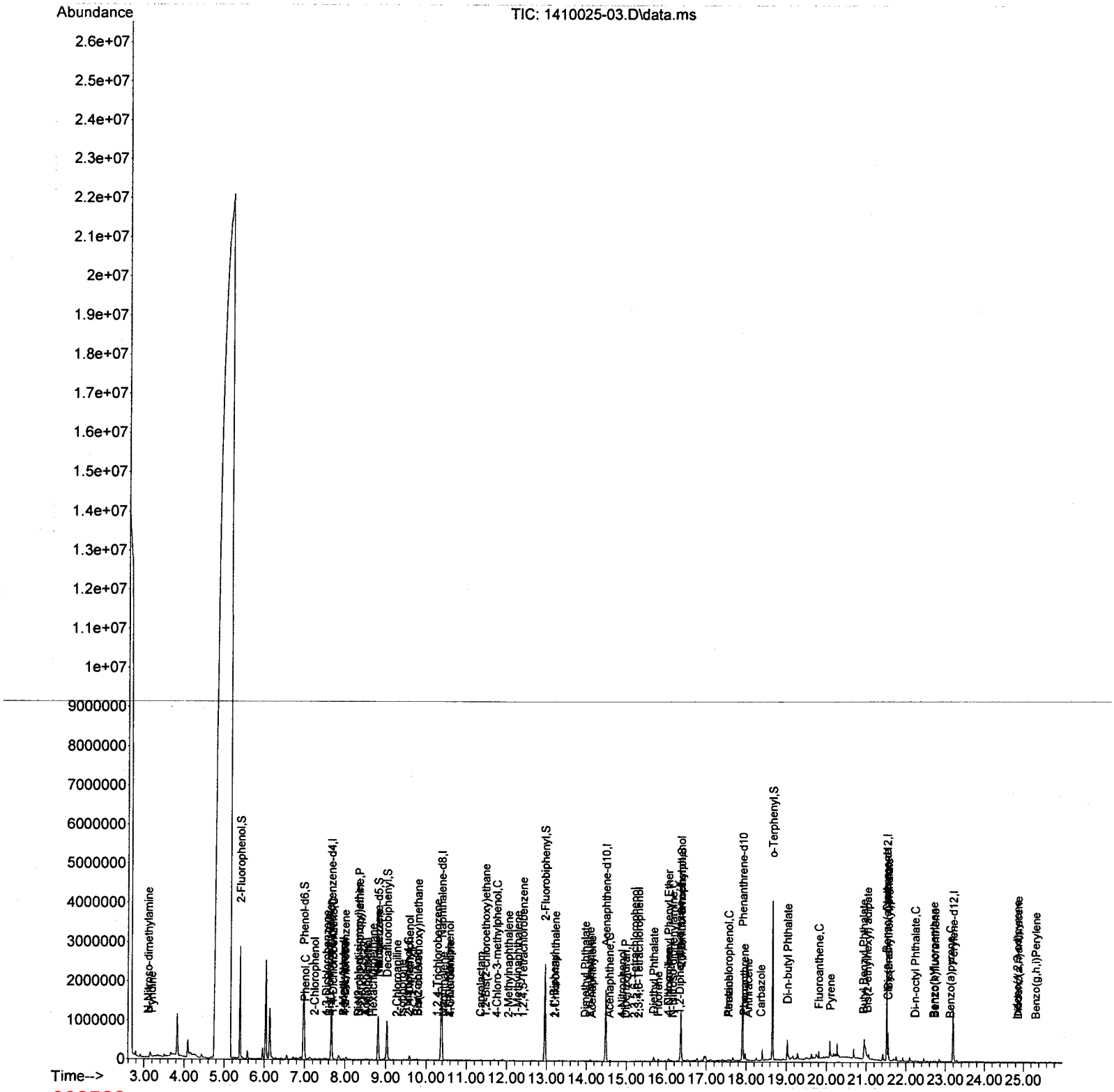
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	349129	7.664	403279	7.614	
Naphthalene-d8	1372201	10.385	1529030	10.359	
Acenaphthene-d10	758395	14.495	866604	14.474	
Phenanthrene-d10	1240831	17.91	1400442	17.901	
Chrysene-d12	1027425	21.518	1153654	21.538	
Perylene-d12	754226	23.197	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-03.D
Acq On : 20 Oct 2014 21:26
Operator : JLB
Sample : 1410025-03 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 08:04:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-03.D
Acq On : 20 Oct 2014 21:26
Operator : JLB
Sample : 1410025-03 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 08:04:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.664	152	349129	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.385	136	1372201	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.495	164	758395	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.910	188	1240831	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	1027425	5.00	ng/uL	#-0.01
89) Perylene-d12	23.197	264	754226	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.402	112	1173428	14.71	ng/uL	0.19
6) Phenol-d6	6.982	99	1767985	17.12	ng/uL	0.04
21) Nitrobenzene-d5	8.812	82	751839	8.57	ng/uL	0.00
23) Decafluorobiphenyl	9.033	334	462329	7.52	ng/uL	0.00
47) 2-Fluorobiphenyl	12.956	172	1376290	8.78	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.371	330	226940	12.06	ng/uL	-0.01
78) o-Terphenyl	18.662	230	1019319	9.58	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.100	74	585	0.01	ng/uL	89
3) Pyridine	3.193	79	813	0.01	ng/uL	86
5) Aniline	0.000		0	N.D.		
7) Phenol	7.005	94	4313	0.04	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.617	93	639	0.01	ng/uL#	1
9) 2-Chlorophenol	7.244	128	213	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.541	146	2725	0.03	ng/uL#	1
11) 1,4-Dichlorobenzene	7.698	146	1622	0.02	ng/uL#	1
12) 1,2-Dichlorobenzene	8.002	146	2869	0.03	ng/uL#	26
13) Bis(2-chloroisipropyl)...	8.334	45	405	0.00	ng/uL#	71
14) Benzyl Alcohol	7.961	108	4623	0.08	ng/uL	99
15) 2-Methylphenol	7.961	108	4623	0.06	ng/uL#	24
16) Acetophenone	8.509	105	3445	0.03	ng/uL#	80
17) Hexachloroethane	8.678	119	184	0.00	ng/uL#	3
18) 4-Methylphenol	8.544	108	393	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.345	70	1146	0.02	ng/uL#	45
22) Nitrobenzene	8.818	77	3938	0.04	ng/uL#	1
24) Isophorone	9.400	82	1117	0.01	ng/uL	97
25) 2-Chloroaniline	9.272	127	67	0.00	ng/uL#	15
26) 2-Nitrophenol	9.552	139	116	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.581	107	57	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.797	93	192	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.779	105	11436	2.61	ng/uL	89
31) 1,2,4-Trichlorobenzene	10.275	180	1696	0.02	ng/uL	88
32) Naphthalene	10.426	128	1196	0.00	ng/uL#	74
33) 4-Chloroaniline	10.595	127	546	0.01	ng/uL#	22
34) 2,6-Dichlorophenol	10.578	162	247	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.353	55	8374	0.21	ng/uL#	35
37) 1,2-Bis(2-chloroethoxy...	11.475	63	130	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.755	107	519	0.01	ng/uL#	11
39) 2-Methylnaphthalene	12.041	142	209	0.00	ng/uL#	74
40) 1-Methylnaphthalene	12.268	142	231	0.00	ng/uL#	51
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-03.D
Acq On : 20 Oct 2014 21:26
Operator : JLB
Sample : 1410025-03 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 08:04:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.408	216	139	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.212	162	300	0.00 ng/uL	92
49) 1,1'-Biphenyl	13.177	154	1143	0.01 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.139	152	637	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.087	165	212	0.01 ng/uL#	1
53) Dimethyl Phthalate	13.970	163	1179	0.01 ng/uL#	22
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.576	153	128	0.00 ng/uL#	59
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.978	168	614	0.00 ng/uL	97
58) 4-Nitrophenol	14.891	65	729	0.02 ng/uL#	62
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	15.194	232	180	0.00 ng/uL#	64
61) 2,3,4,6-Tetrachlorophenol	15.299	232	128	0.00 ng/uL#	57
62) Fluorene	15.794	166	472	0.00 ng/uL#	1
63) Diethyl Phthalate	15.684	149	45904	0.30 ng/uL	97
64) 4-Chlorophenyl Phenyl ...	16.051	204	1347	0.02 ng/uL#	1
65) 4-Nitroaniline	16.051	138	292	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.366	198	629	RT 1.01 ng/uL#	1
68) N-Nitroso-diphenylamine	16.162	169	396	0.00 ng/uL#	38
69) 1,2-Diphenylhydrazine	16.337	182	119	0.00 ng/uL	80
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.549	200	81	0.00 ng/uL#	25
74) Pentachlorophenol	17.555	266	3340	0.12 ng/uL#	71
75) Phenanthrene	17.951	178	3952	0.02 ng/uL#	79
76) Anthracene	18.044	178	1237	0.01 ng/uL#	75
77) Carbazole	18.365	167	1685	0.01 ng/uL#	85
79) Di-n-butyl Phthalate	19.035	149	66983	0.28 ng/uL	97
80) Fluoroanthene	19.810	202	3184	0.01 ng/uL	95
82) Pyrene	20.102	202	4226	0.02 ng/uL#	1
83) Butyl Benzyl Phthalate	20.929	149	7665	0.08 ng/uL	91
84) Bis(2-ethylhexyl) adipate	21.029	129	4961	0.12 ng/uL#	100
85) Benzo(a)anthracene	21.512	228	8601	0.05 ng/uL#	41
86) Chrysene	21.547	228	6468	0.04 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.553	149	167933	1.36 ng/uL	91
88) Di-n-octyl Phthalate	22.235	149	12593m	0.40 ng/uL	
90) Benzo(b)fluoroanthene	22.701	252	7231	0.05 ng/uL#	90
91) Benzo(k)fluoranthene	22.736	252	8097	0.05 ng/uL#	85
92) Benzo(a)pyrene	23.127	252	6428	0.05 ng/uL#	83
93) Indeno(1,2,3-cd)pyrene	24.835	276	4062	0.04 ng/uL#	72
94) Dibdenz(a,h)anthracene	24.864	278	2353	0.03 ng/uL#	52
95) Benzo(g,h,i)Perylene	25.318	276	3188	0.03 ng/uL	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-03.D
Acq On : 20 Oct 2014 21:26
Operator : JLB
Sample : 1410025-03 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 07:49:43 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

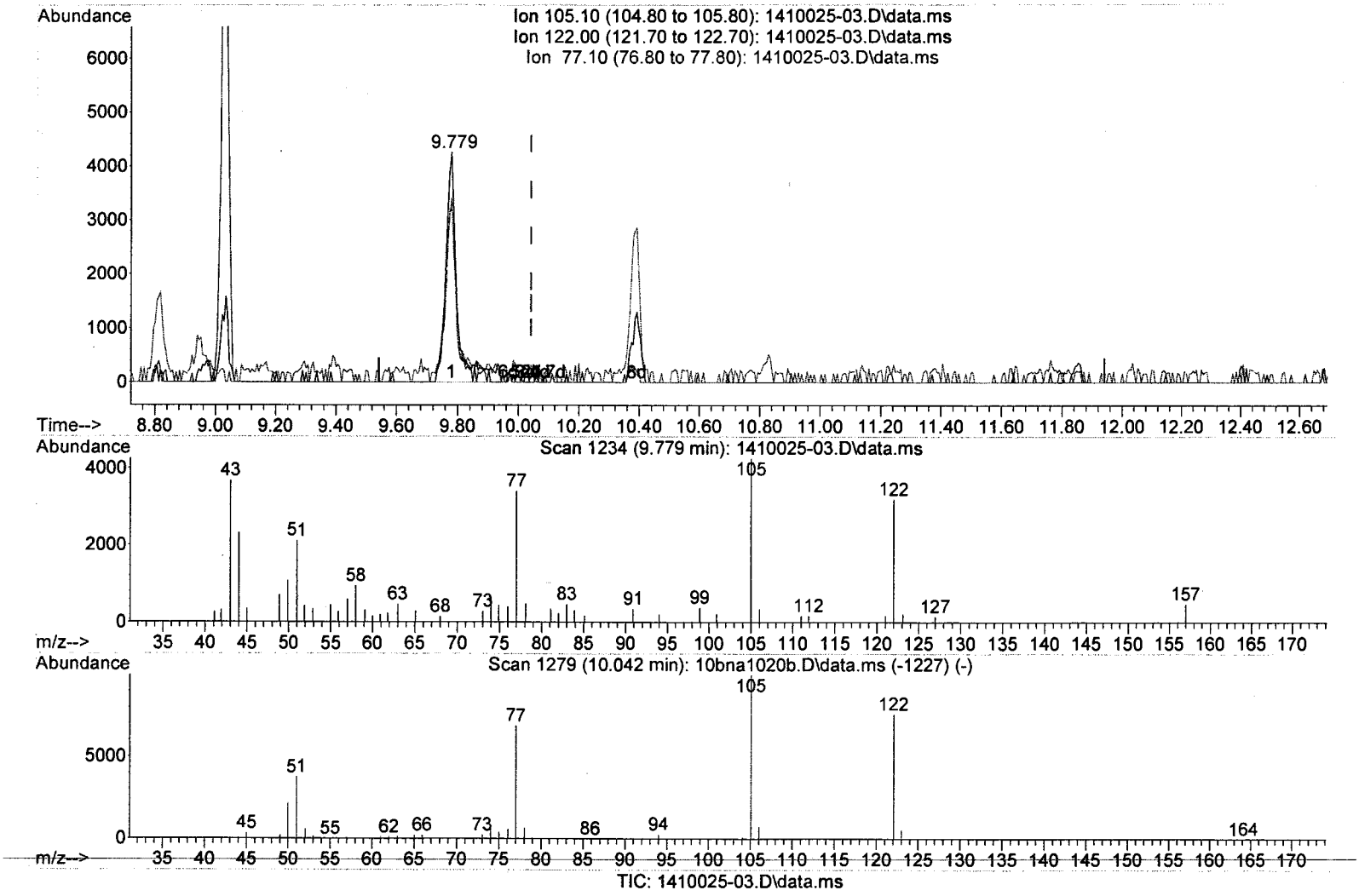
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.664	152	348342	5.00 ng/uL	# 0.02
8) Naphthalene-d8	10.385	136	1372201	5.00 ng/uL	0.00
11) Acenaphthene-d10	14.495	164	758395	5.00 ng/uL	0.00
16) Phenanthrene-d10	17.910	188	1240831	5.00 ng/uL	0.00
19) Chrysene-d12	21.518	240	1027425	5.00 ng/uL	# 0.00
22) Perylene-d12	23.197	264	754226	5.00 ng/uL	# 0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	3.286	74	1405	0.03 ng/uL#	24
3) Pyridine	3.193	79	813	0.01 ng/uL	86
4) Aniline	0.000		0	N.D.	
5) Benzaldehyde	6.836	105	2629	0.03 ng/uL#	1
6) Acetophenone	8.509	105	3445	0.03 ng/uL#	80
7) N-Nitroso-di-n-propyla...	8.520	70	1511	0.02 ng/uL#	62
9) 4-Chloroaniline	10.595	127	546	0.01 ng/uL#	22
10) Caprolactam	11.353	55	2398	0.15 ng/uL#	36
12) 1,1'-Biphenyl	13.177	154	1143	0.01 ng/uL#	40
13) 2-Nitroaniline	0.000		0	N.D.	
14) 3-Nitroaniline	0.000		0	N.D.	
15) 4-Nitroaniline	16.051	138	292	Below Cal #	1
17) N-Nitroso-diphenylamine	16.162	169	396	0.00 ng/uL#	38
18) Atrazine	0.000		0	N.D.	
20) Benzidine	20.044	184	437	0.41 ng/uL#	71
21) 3,3'-Dichlorobenzidine	21.425	252	109	0.00 ng/uL#	19

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-03.D
Acq On : 20 Oct 2014 21:26
Operator : JLB
Sample : 1410025-03 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 08:02:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.779min (-0.262) 2.61 ng/uL

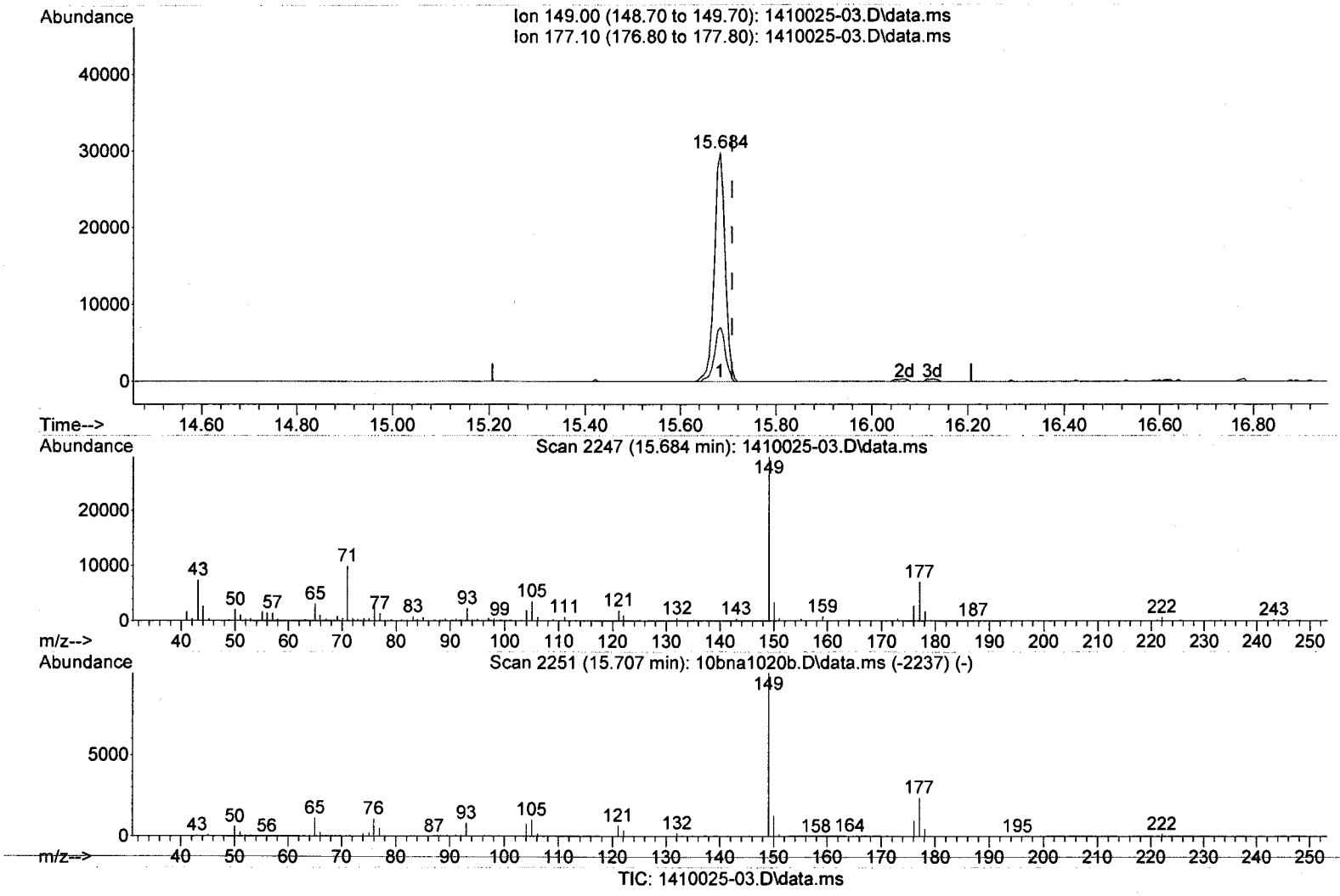
response 11436

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	68.77
77.10	74.70	82.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-03.D
Acq On : 20 Oct 2014 21:26
Operator : JLB
Sample : 1410025-03 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 08:02:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-03.D\data.ms

(63) Diethyl Phthalate

15.684min (-0.023) 0.30 ng/uL

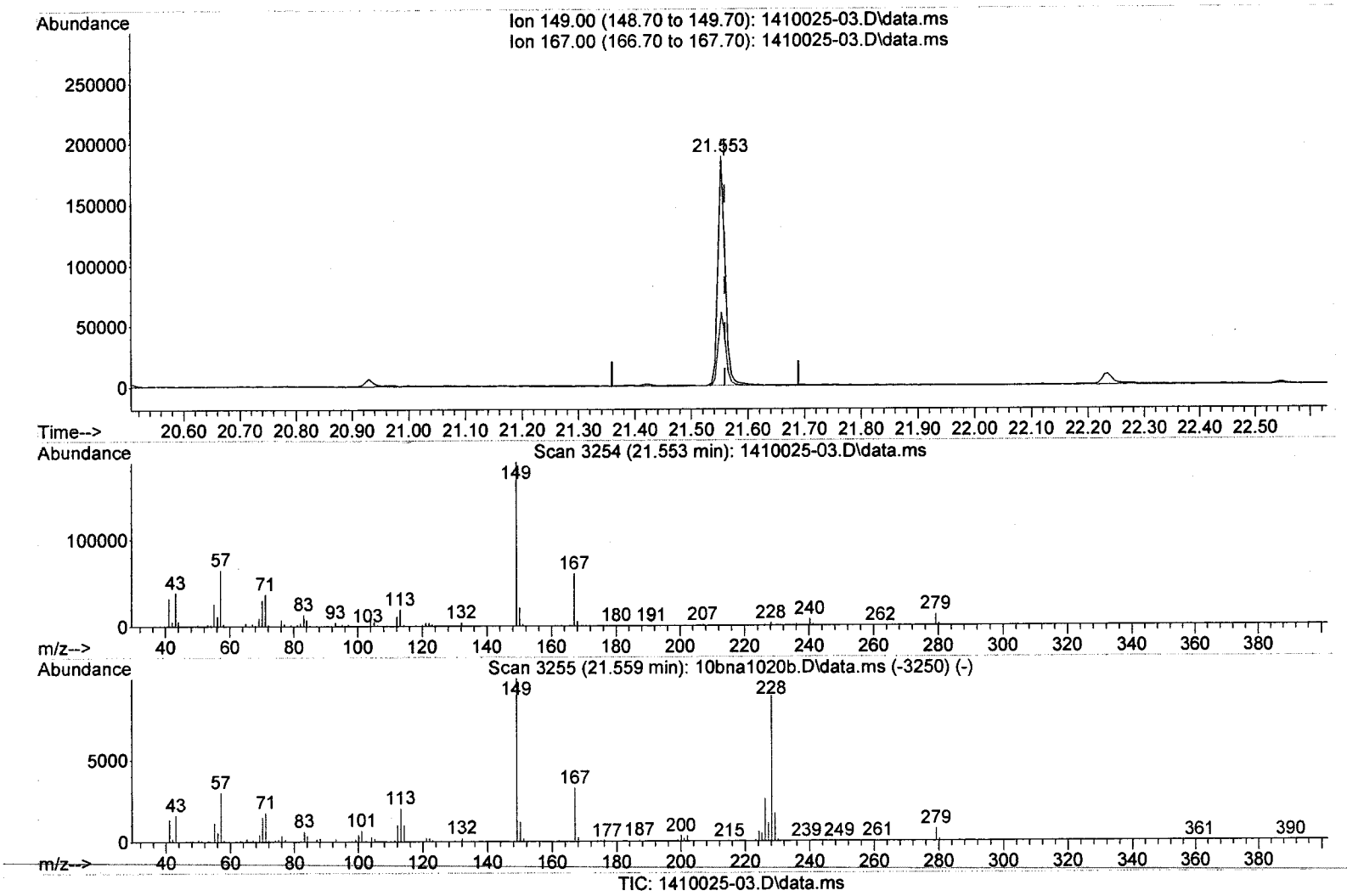
response 45904

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	23.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-03.D
Acq On : 20 Oct 2014 21:26
Operator : JLB
Sample : 1410025-03 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 08:02:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-03.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.553min (-0.006) 1.36 ng/uL

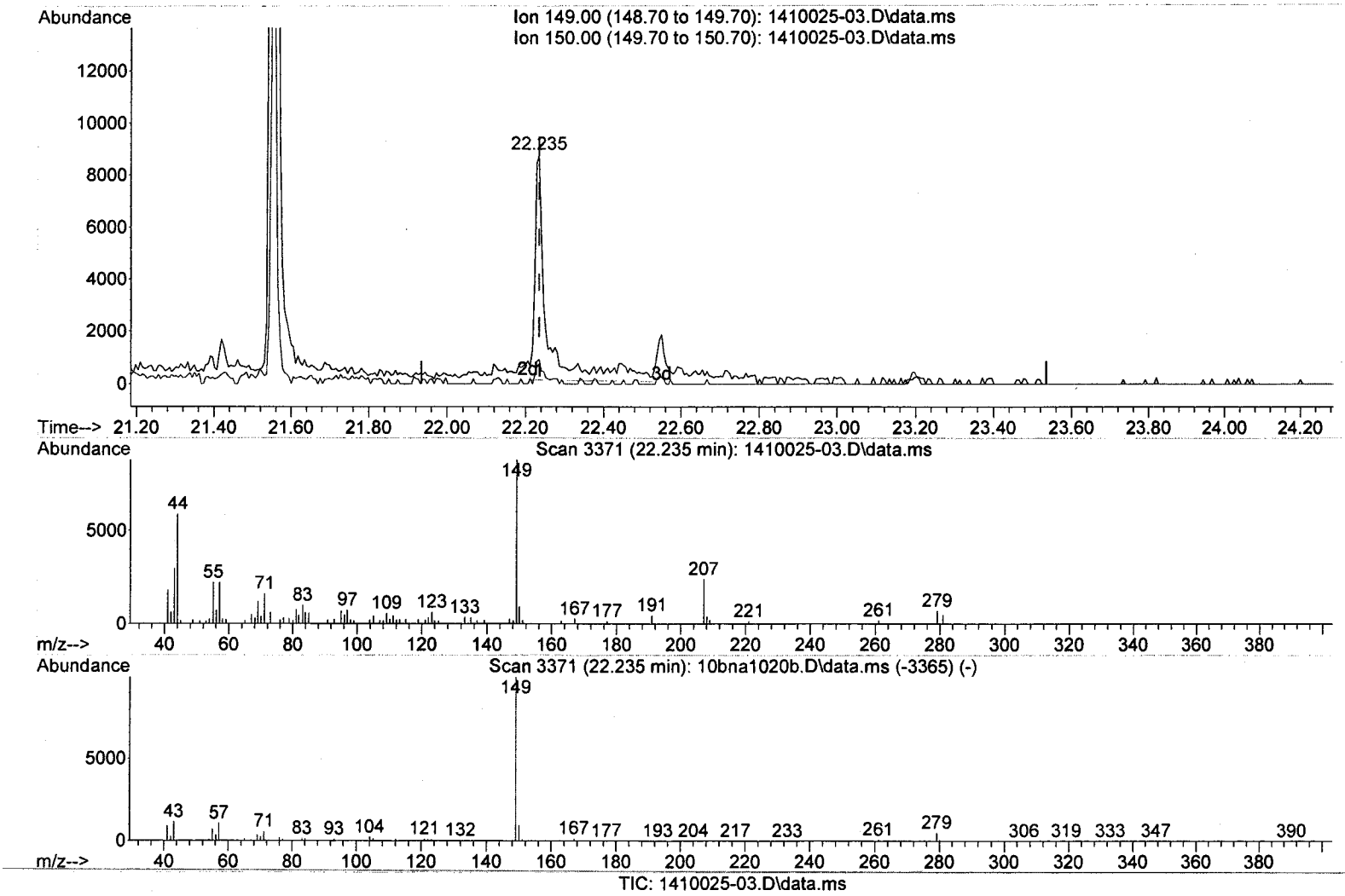
response 167933

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-03.D
Acq On : 20 Oct 2014 21:26
Operator : JLB
Sample : 1410025-03 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 08:02:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-03.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.235min (-0.000) 0.43 ng/uL

response 19419

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	6.89#
0.00	0.00	0.00
0.00	0.00	0.00

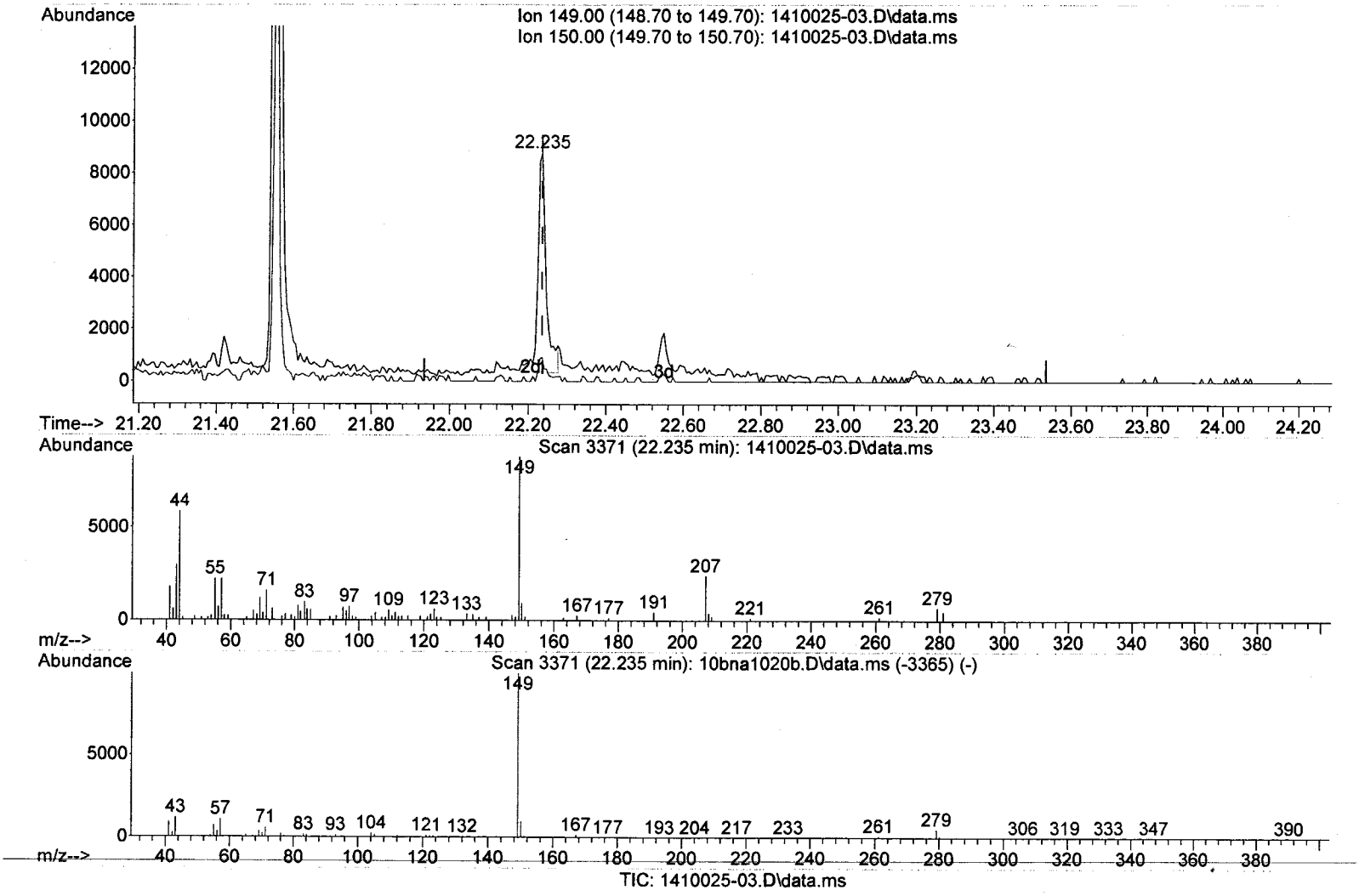
JWS 10/21/14

DWS 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-03.D
Acq On : 20 Oct 2014 21:26
Operator : JLB
Sample : 1410025-03 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 08:02:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.235min (-0.000) 0.40 ng/uL m

response 12593

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	10.62
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: _____ Date: 10/21/14

Reviewed By: _____ Date: 10-22-14

003591

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB13-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-04 File ID: 1410025-04.D

Sampled: 09/30/14 10:57 Prepared: 10/09/14 07:32 Analyzed: 10/20/14 21:58

Solids: 97.63 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	90	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	8.2	5.0	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB13-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-04 File ID: 1410025-04.D

Sampled: 09/30/14 10:57 Prepared: 10/09/14 07:32 Analyzed: 10/20/14 21:58

Solids: 97.63 Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	14	4.0	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	34	12	17	34	
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	714	528	74	33 - 113	
Phenol-d6	714	601	84	30 - 115	
Nitrobenzene-d5	357	298	84	33 - 131	
2-Fluorobiphenyl	357	306	86	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB13-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-04
File ID: 1410025-04.D
Sampled: 09/30/14 10:57
Prepared: 10/09/14 07:32
Analyzed: 10/20/14 21:58
Solids: 97.63
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	714	387	54	12 - 124	
o-Terphenyl	357	331	93	20 - 155	

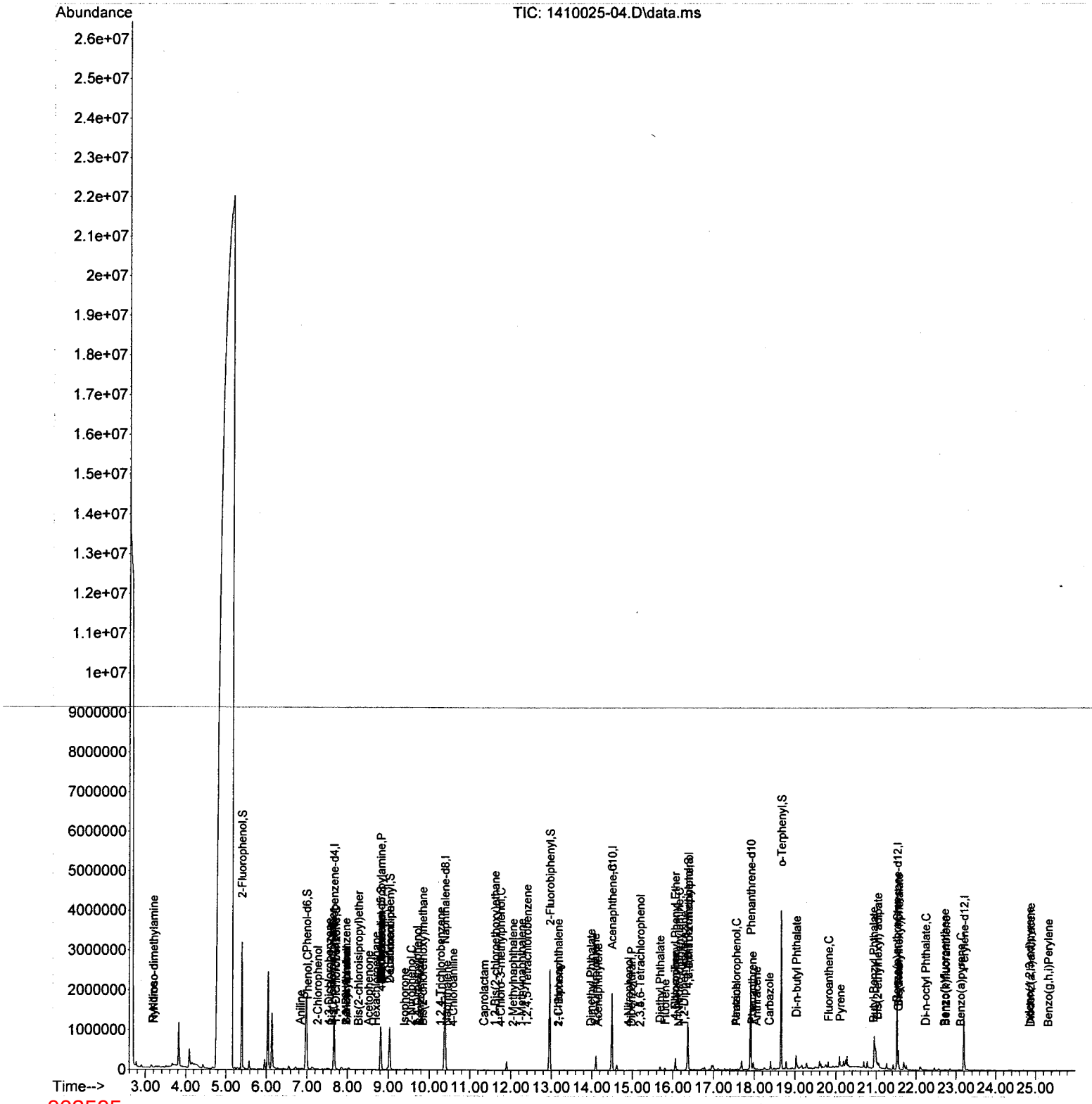
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	379454	7.664	403279	7.614	
Naphthalene-d8	1485994	10.386	1529030	10.359	
Acenaphthene-d10	809684	14.495	866604	14.474	
Phenanthrene-d10	1257826	17.91	1400442	17.901	
Chrysene-d12	1028410	21.518	1153654	21.538	
Perylene-d12	780617	23.197	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-04.D
Acq On : 20 Oct 2014 21:58
Operator : JLB
Sample : 1410025-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 21 08:05:47 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-04.D
Acq On : 20 Oct 2014 21:58
Operator : JLB
Sample : 1410025-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 21 08:05:47 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.664	152	379454	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.386	136	1485994	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.495	164	809684	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.910	188	1257826	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	1028410	5.00	ng/uL	#-0.01
89) Perylene-d12	23.197	264	780617	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.396	112	1282602	14.79	ng/uL	0.18
6) Phenol-d6	6.988	99	1890019	16.84	ng/uL	0.05
21) Nitrobenzene-d5	8.812	82	794577	8.36	ng/uL	0.00
23) Decafluorobiphenyl	9.033	334	508095	7.63	ng/uL	0.00
47) 2-Fluorobiphenyl	12.962	172	1434728	8.58	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.372	330	207086	10.85	ng/uL	-0.01
78) o-Terphenyl	18.662	230	1000607	9.28	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.199	74	355	0.01	ng/uL#	1
3) Pyridine	3.187	79	1240	0.01	ng/uL#	74
5) Aniline	6.836	93	138	0.22	ng/uL#	33
7) Phenol	7.005	94	1914	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.617	93	567	0.01	ng/uL#	1
9) 2-Chlorophenol	7.262	128	191	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.541	146	2895	0.03	ng/uL#	1
11) 1,4-Dichlorobenzene	7.705	146	1508	0.01	ng/uL#	61
12) 1,2-Dichlorobenzene	7.961	146	457	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.270	45	614	0.00	ng/uL#	51
14) Benzyl Alcohol	7.967	108	1109	0.02	ng/uL#	73
15) 2-Methylphenol	7.967	108	1109	0.01	ng/uL#	1
16) Acetophenone	8.515	105	1185	0.01	ng/uL#	41
17) Hexachloroethane	8.690	119	128	0.00	ng/uL#	3
18) 4-Methylphenol	8.824	108	320	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.812	70	103195	RT 1.51	ng/uL#	8
22) Nitrobenzene	8.818	77	3857	0.04	ng/uL#	1
24) Isophorone	9.395	82	1206	0.01	ng/uL#	73
25) 2-Chloroaniline	9.033	127	7087	0.06	ng/uL#	59
26) 2-Nitrophenol	9.552	139	55	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.710	107	61	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.844	93	54	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.774	105	6344m	2.53	ng/uL	
31) 1,2,4-Trichlorobenzene	10.275	180	1623	0.02	ng/uL	99
32) Naphthalene	10.432	128	1202	0.00	ng/uL#	74
33) 4-Chloroaniline	10.590	127	688	0.01	ng/uL	86
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.347	55	8792	0.21	ng/uL#	34
37) 1,2-Bis(2-chloroethoxy...	11.616	63	133	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.750	107	416	0.01	ng/uL#	14
39) 2-Methylnaphthalene	12.053	142	134	0.00	ng/uL#	34
40) 1-Methylnaphthalene	12.268	142	60	0.00	ng/uL#	5
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-04.D
Acq On : 20 Oct 2014 21:58
Operator : JLB
Sample : 1410025-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 21 08:05:47 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.402	216	182	0.00 ng/uL#	51
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.172	162	479	0.00 ng/uL#	72
49) 1,1'-Biphenyl	13.178	154	811	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.151	152	132	0.00 ng/uL#	1
52) 2,6-Dinitrotoluene	14.081	165	564	0.01 ng/uL#	1
53) Dimethyl Phthalate	13.976	163	763	0.00 ng/uL#	90
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.495	153	72	0.00 ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.979	168	274	0.00 ng/uL	90
58) 4-Nitrophenol	14.909	65	331	0.01 ng/uL#	1
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	15.194	232	63	0.00 ng/uL#	74
61) 2,3,4,6-Tetrachlorophenol	15.194	232	63	0.00 ng/uL#	63
62) Fluorene	15.812	166	68	0.00 ng/uL#	1
63) Diethyl Phthalate	15.684	149	38580	0.23 ng/uL	94
64) 4-Chlorophenyl Phenyl ...	16.057	204	1488	0.02 ng/uL#	6
65) 4-Nitroaniline	16.057	138	303	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.378	198	440	1.00 ng/uL#	1
68) N-Nitroso-diphenylamine	16.150	169	317	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	16.273	182	1235	0.02 ng/uL	84
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.543	200	169	0.00 ng/uL#	25
74) Pentachlorophenol	17.549	266	1282	0.05 ng/uL#	71
75) Phenanthrene	17.951	178	2373	0.01 ng/uL#	61
76) Anthracene	18.050	178	781	0.00 ng/uL	99
77) Carbazole	18.371	167	1372	0.01 ng/uL#	47
79) Di-n-butyl Phthalate	19.035	149	45361	0.19 ng/uL#	93
80) Fluoroanthene	19.816	202	1441	0.01 ng/uL#	91
82) Pyrene	20.108	202	1753	0.01 ng/uL#	1
83) Butyl Benzyl Phthalate	20.930	149	5642	0.06 ng/uL	88
84) Bis(2-ethylhexyl) adipate	21.029	129	3733	0.11 ng/uL#	100
85) Benzo(a)anthracene	21.507	228	6892	0.04 ng/uL#	21
86) Chrysene	21.548	228	4650	0.03 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.553	149	116956	0.95 ng/uL	92
88) Di-n-octyl Phthalate	22.229	149	12532m	0.40 ng/uL	
90) Benzo(b)fluoroanthene	22.702	252	5747	0.04 ng/uL#	89
91) Benzo(k)fluoranthene	22.737	252	6762	0.04 ng/uL#	80
92) Benzo(a)pyrene	23.115	252	5948	0.04 ng/uL#	90
93) Indeno(1,2,3-cd)pyrene	24.841	276	2940	0.03 ng/uL#	85
94) Dibdenz(a,h)anthracene	24.870	278	2440	0.03 ng/uL#	89
95) Benzo(g,h,i)Perylene	25.313	276	2523	0.03 ng/uL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-04.D
Acq On : 20 Oct 2014 21:58
Operator : JLB
Sample : 1410025-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 21 07:49:58 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

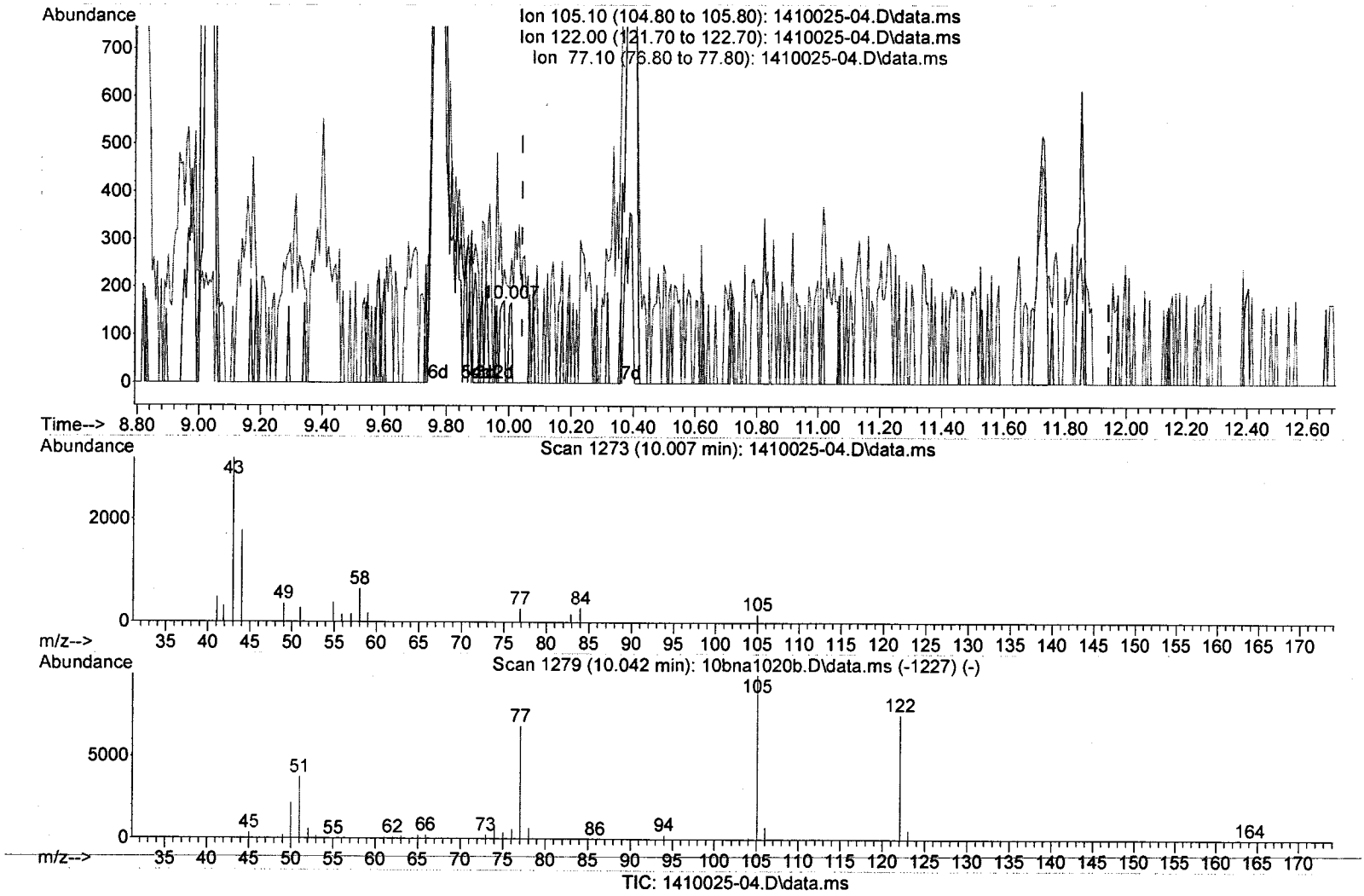
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.664	152	378249	5.00	ng/uL	# 0.02
8) Naphthalene-d8	10.386	136	1485994	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.495	164	809684	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.910	188	1257826	5.00	ng/uL	0.00
19) Chrysene-d12	21.518	240	1028410	5.00	ng/uL	# 0.00
22) Perylene-d12	23.197	264	780617	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.036	74	4226	0.07	ng/uL	94
3) Pyridine	2.989	79	290	0.00	ng/uL	85
4) Aniline	6.836	93	138	0.00	ng/uL#	33
5) Benzaldehyde	6.830	105	1405	0.02	ng/uL#	1
6) Acetophenone	8.515	105	1185	0.01	ng/uL#	41
7) N-Nitroso-di-n-propyla...	8.544	70	814	0.01	ng/uL#	1
9) 4-Chloroaniline	10.590	127	688	0.02	ng/uL	86
10) Caprolactam	11.347	55	1555	0.13	ng/uL#	20
12) 1,1'-Biphenyl	13.178	154	811	0.00	ng/uL#	40
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	16.057	138	303	Below Cal	#	1
17) N-Nitroso-diphenylamine	16.150	169	317	0.00	ng/uL#	26
18) Atrazine	17.543	200	169	Below Cal	#	25
20) Benzidine	20.026	184	435	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.070	252	111	0.00	ng/uL#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-04.D
Acq On : 20 Oct 2014 21:58
Operator : JLB
Sample : 1410025-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 21 08:04:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(30) Benzoic Acid

10.007min (-0.035) 2.46 ng/uL

response 114

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	171.93#
0.00	0.00	0.00

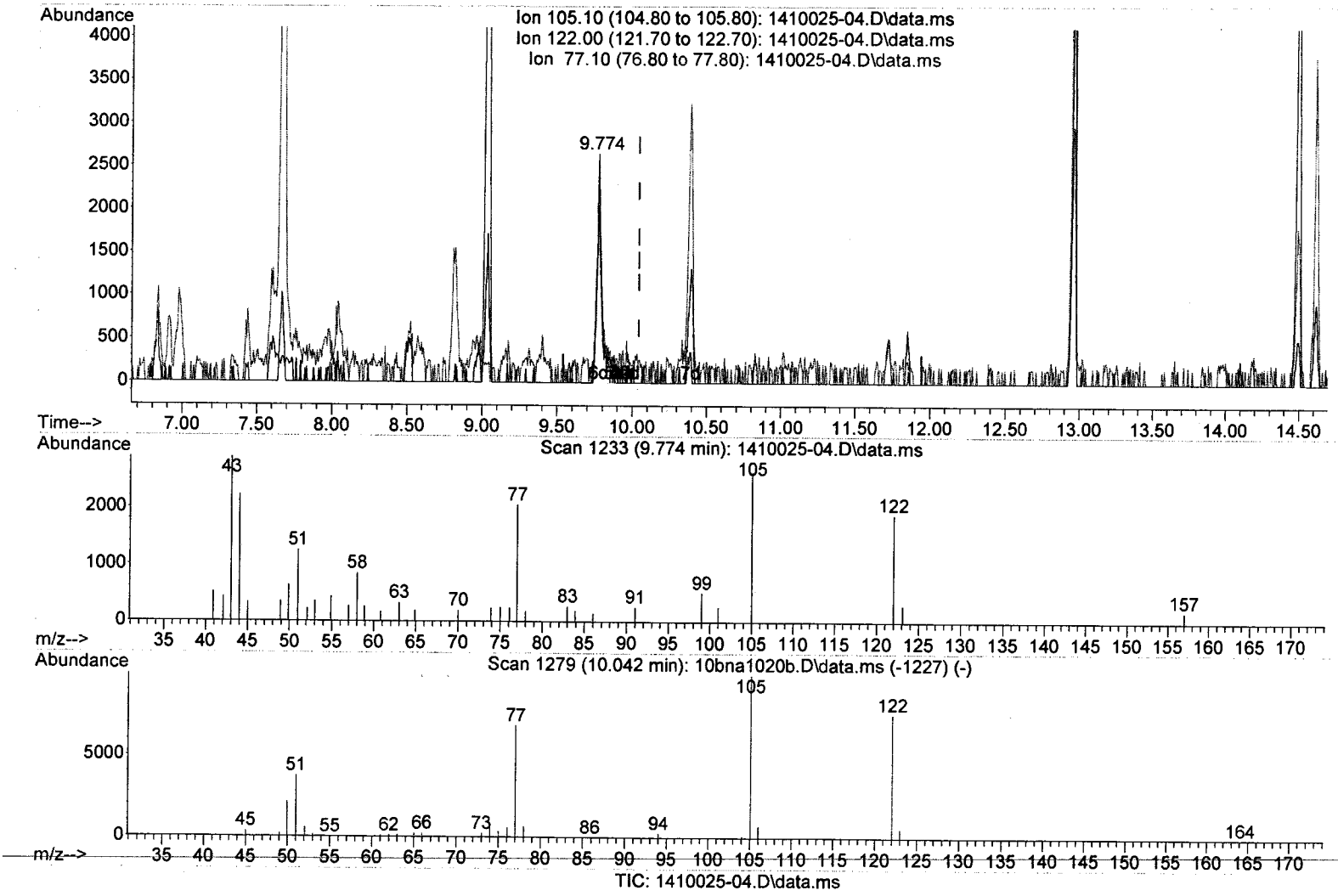
JLB 10/21/14
DWS 10-22-14

003599

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-04.D
Acq On : 20 Oct 2014 21:58
Operator : JLB
Sample : 1410025-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 21 08:04:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.774min (-0.268) 2.53 ng/uL m

response 6344

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	3.09#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

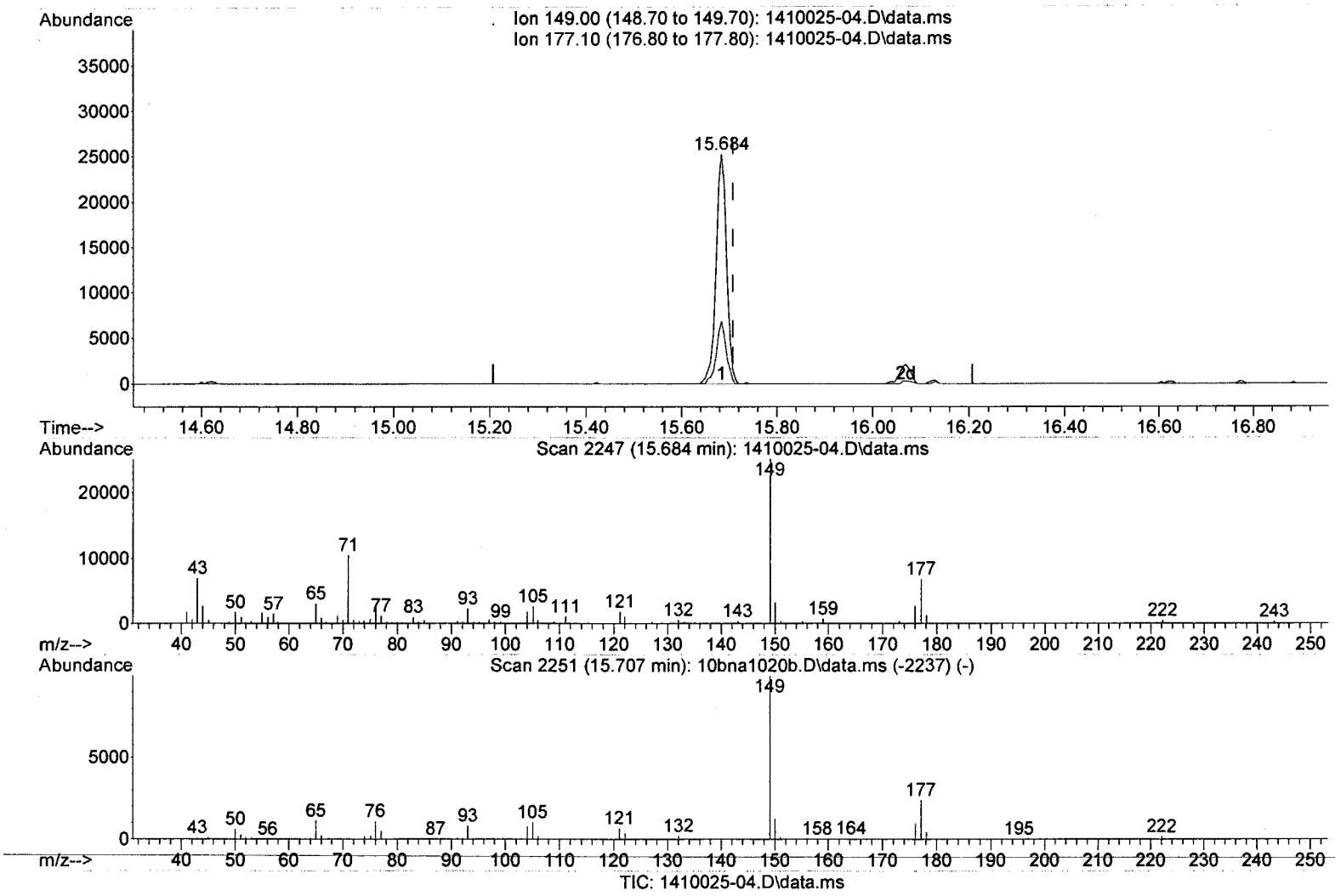
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/21/14
Reviewed By: DWF Date: 10-22-14

003600

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-04.D
Acq On : 20 Oct 2014 21:58
Operator : JLB
Sample : 1410025-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 21 08:04:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

15.684min (-0.023) 0.23 ng/uL

response 38580

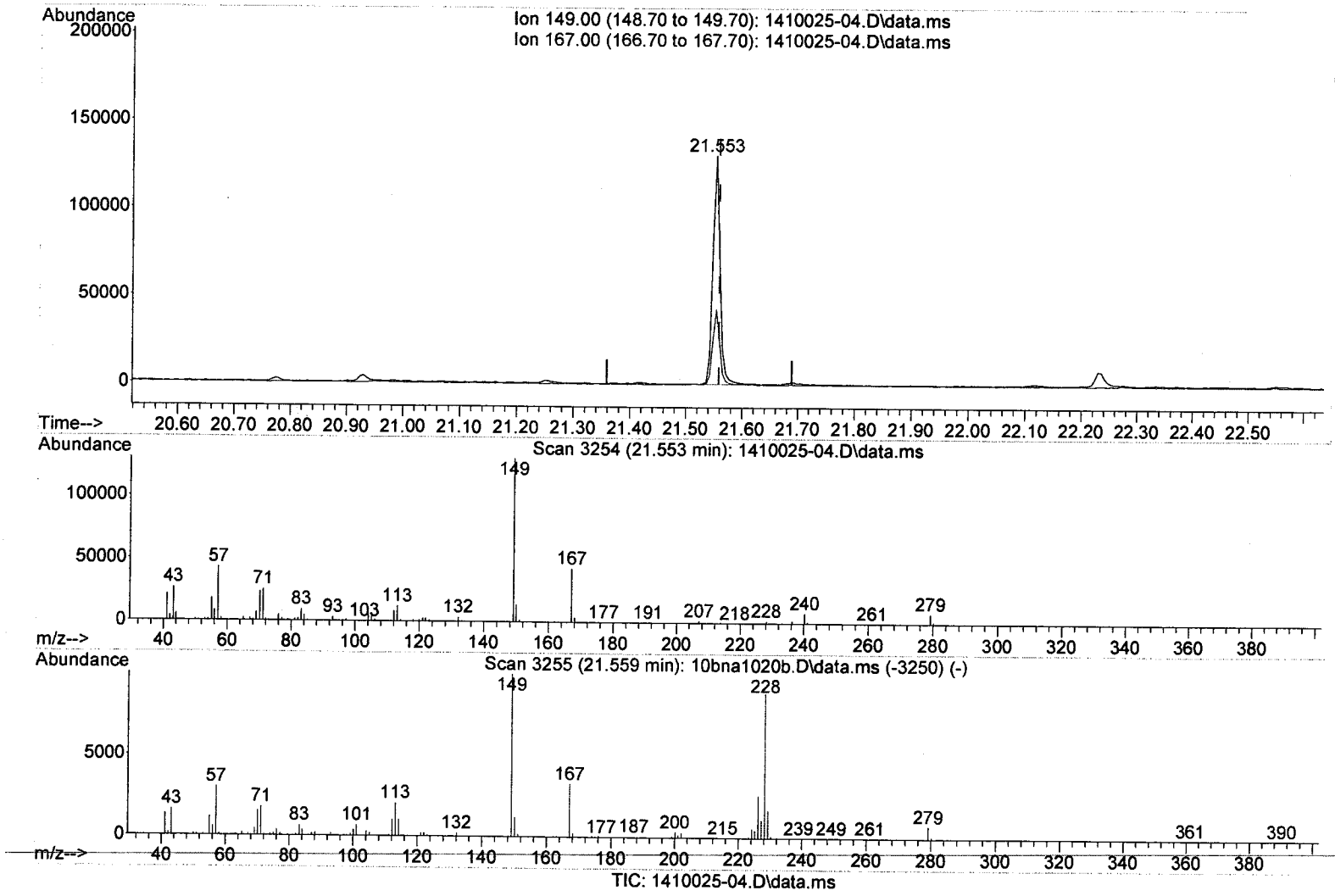
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	25.41
0.00	0.00	0.00
0.00	0.00	0.00

003601

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-04.D
Acq On : 20 Oct 2014 21:58
Operator : JLB
Sample : 1410025-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 21 08:04:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.553min (-0.006) 0.95 ng/uL

response 116956

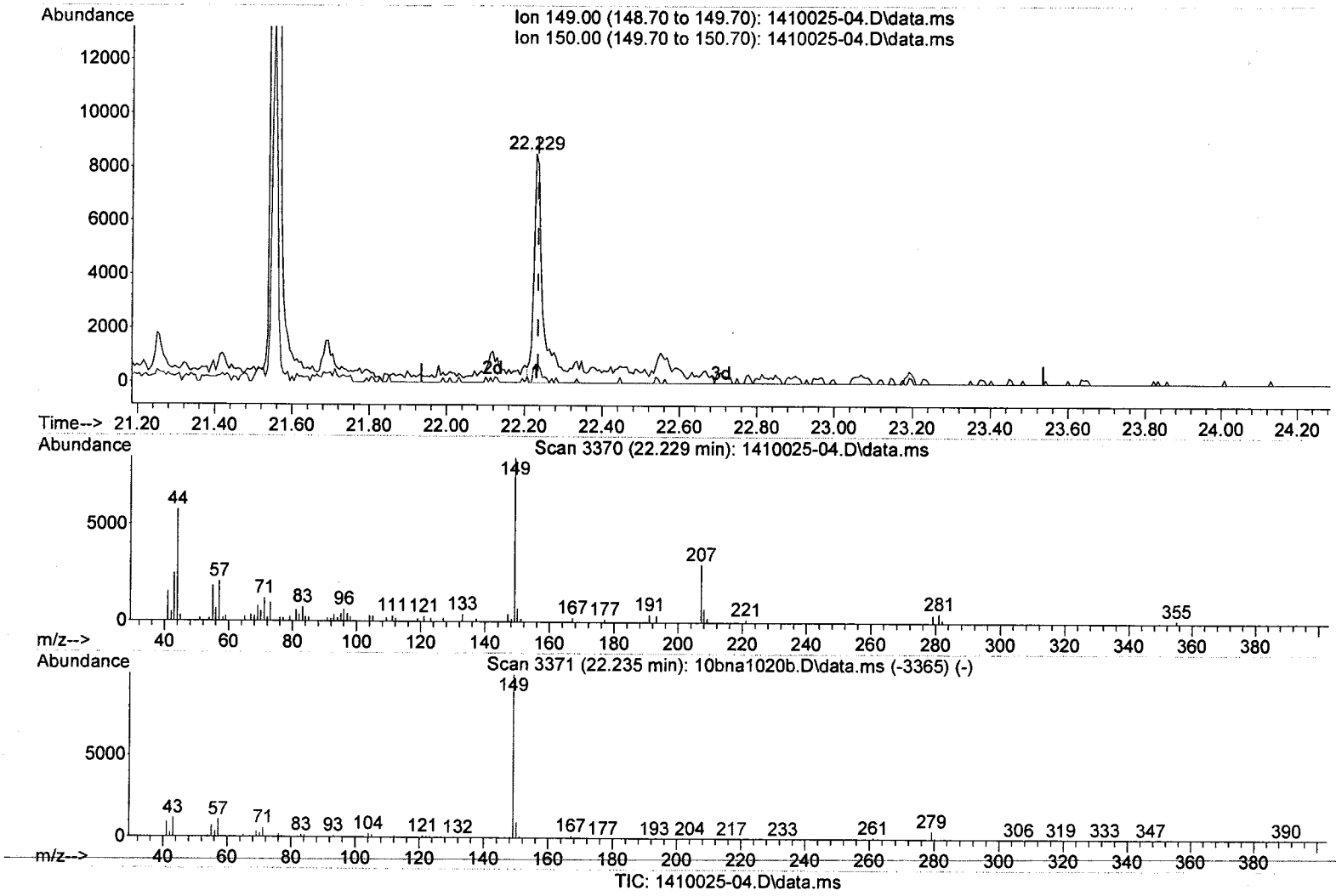
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.59
0.00	0.00	0.00
0.00	0.00	0.00

003602

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-04.D
Acq On : 20 Oct 2014 21:58
Operator : JLB
Sample : 1410025-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 21 08:04:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 0.45 ng/uL

response 25155

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	4.15#
0.00	0.00	0.00
0.00	0.00	0.00

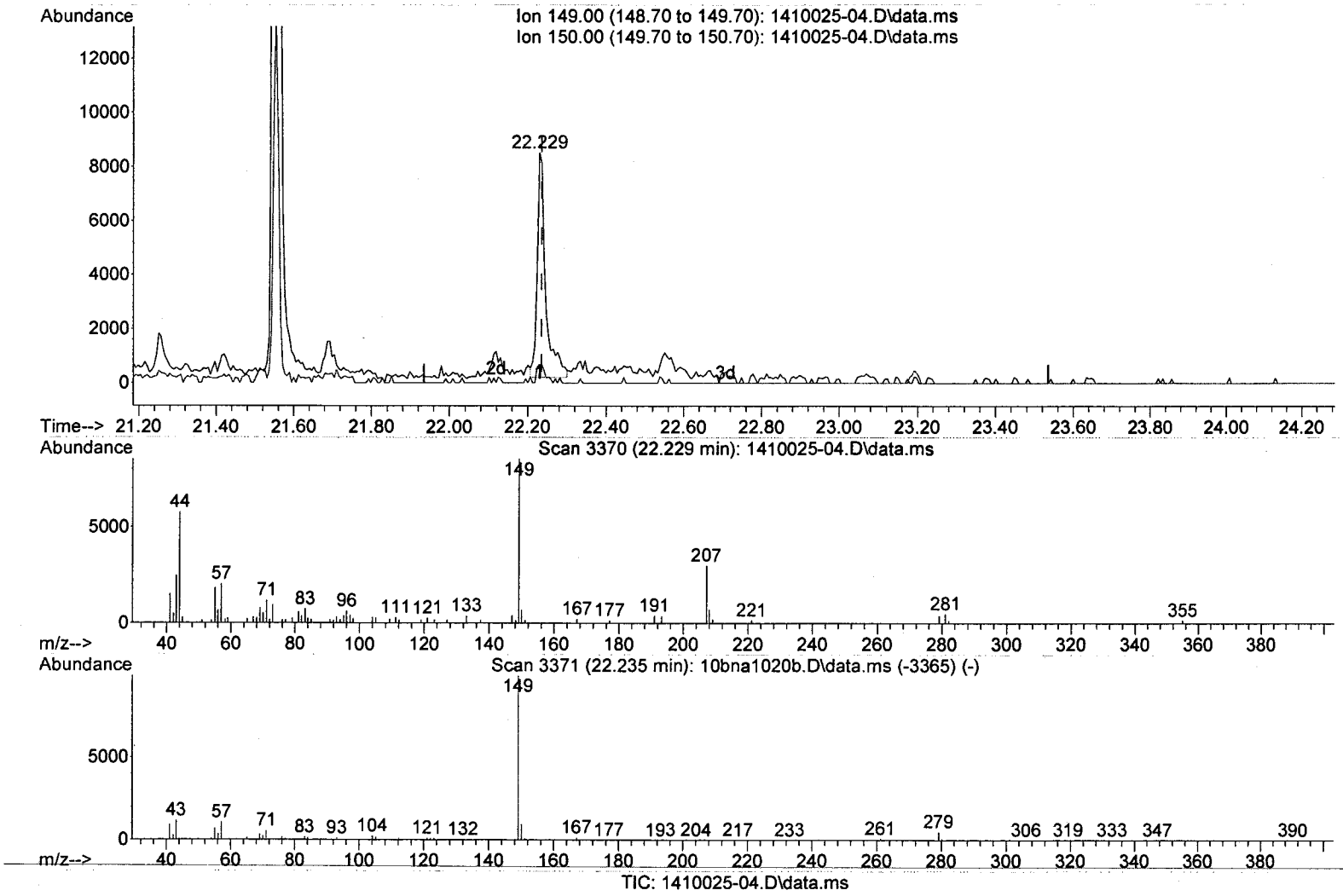
JWS 10/21/14

DWS 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-04.D
Acq On : 20 Oct 2014 21:58
Operator : JLB
Sample : 1410025-04 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 21 08:04:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-04.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 0.40 ng/uL m

response 12532

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	8.34
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 3: Incorrect baseline drawn by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 10/24/14
Reviewed By: DMF Date: 10.22.14

003604

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-05 File ID: 1410025-05.D

Sampled: 09/30/14 12:59 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 02:14

Solids: 96.42 Preparation: 3550C Sonication Extract Initial/Final: 29.6 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.2	17	17	U
56-55-3	Benzo(a)anthracene	1	34	2.9	8.6	17	
50-32-8	Benzo(a)pyrene	1	45	2.4	8.6	17	
205-99-2	Benzo(b)fluoranthene	1	91	2.0	8.6	17	
207-08-9	Benzo(k)fluoranthene	1	29	2.0	8.6	17	
191-24-2	Benzo(g,h,i)perylene	1	21	2.0	8.6	35	J
65-85-0	Benzoic Acid	1	100	72	170	350	J
100-51-6	Benzyl Alcohol	1	5.3	4.8	17	17	J
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	4.6	4.1	17	35	J
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	53	4.0	17	17	
53-70-3	Dibenz(a,h)anthracene	1	8.1	2.0	8.6	35	J
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	35	14	35	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	35	U
84-66-2	Diethyl Phthalate	1	10	5.0	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.2	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-05
File ID: 1410025-05.D
Sampled: 09/30/14 12:59
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 02:14
Solids: 96.42
Preparation: 3550C Sonication Extract
Initial/Final: 29.6 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	14	4.0	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	42	12	17	35	
206-44-0	Fluoranthene	1	66	4.6	17	17	
86-73-7	Fluorene	1	17	4.2	17	35	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	21	2.8	8.6	35	J
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	5.6	4.7	17	17	J
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	35	17	35	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	350	110	350	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	51	4.2	17	17	
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	100	4.5	17	17	
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.7	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	701	614	88	33 - 113	
Phenol-d6	701	649	93	30 - 115	
Nitrobenzene-d5	350	313	89	33 - 131	
2-Fluorobiphenyl	350	318	91	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-05
File ID: 1410025-05.D
Sampled: 09/30/14 12:59
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 02:14
Solids: 96.42
Preparation: 3550C Sonication Extract
Initial/Final: 29.6 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	701	642	92	12 - 124	
o-Terphenyl	350	332	95	20 - 155	

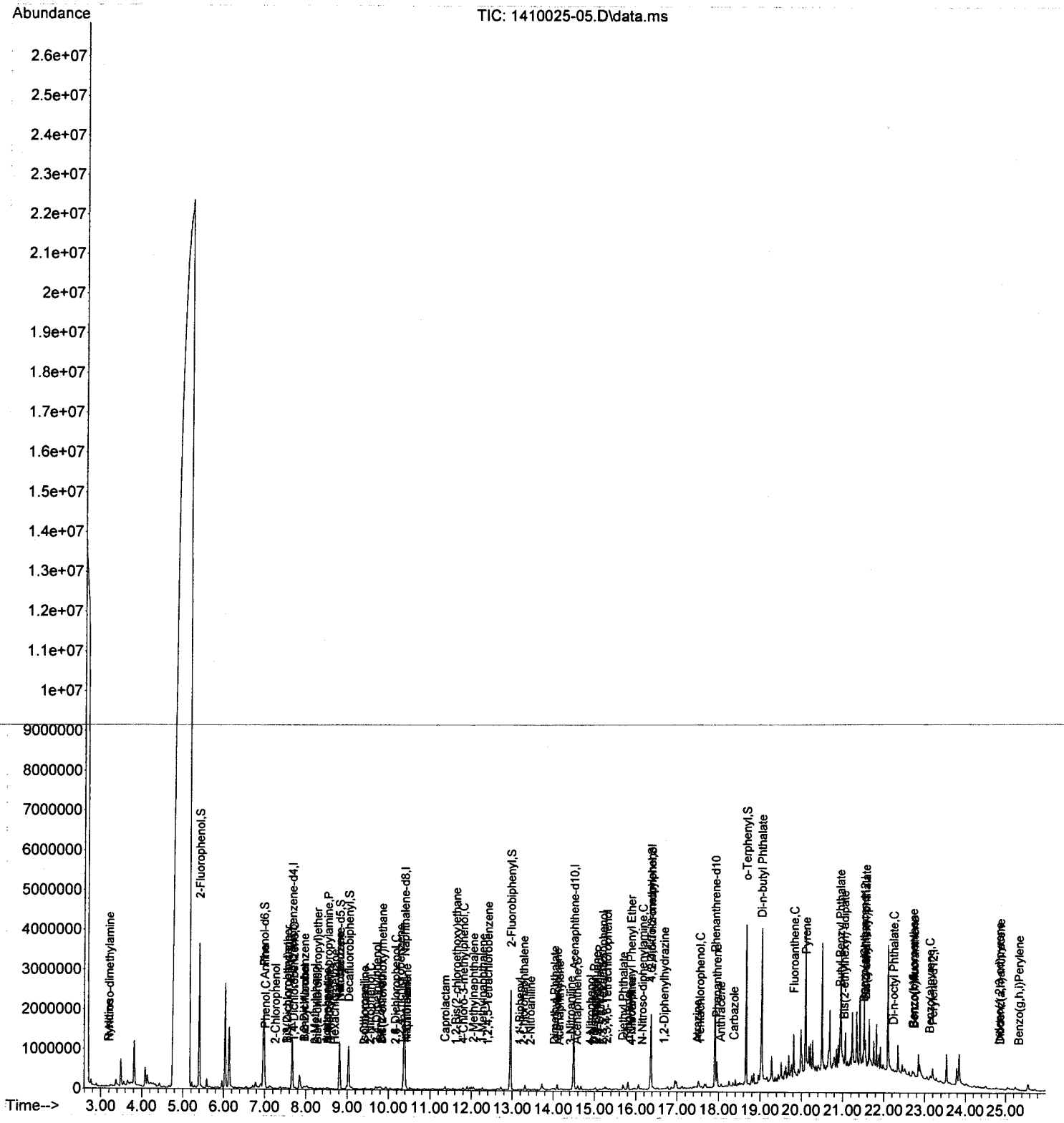
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	365361	7.663	403279	7.614	
Naphthalene-d8	1433918	10.385	1529030	10.359	
Acenaphthene-d10	793440	14.495	866604	14.474	
Phenanthrene-d10	1209585	17.91	1400442	17.901	
Chrysene-d12	611008	21.518	1153654	21.538	
Perylene-d12	166733	23.197	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:23:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:23:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	365361	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.385	136	1433918	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.495	164	793440	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.910	188	1209585	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	611008	5.00	ng/uL	#-0.01
89) Perylene-d12	23.197	264	166733 low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.402	112	1462881	17.52	ng/uL	0.19
6) Phenol-d6	6.982	99	2000707	18.51	ng/uL	0.04
21) Nitrobenzene-d5	8.812	82	819821	8.94	ng/uL	0.00
23) Decafluorobiphenyl	9.033	334	513795	7.99	ng/uL	0.00
47) 2-Fluorobiphenyl	12.962	172	1486990	9.07	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.371	330	336145	18.32	ng/uL	-0.01
78) o-Terphenyl	18.662	230	981581	9.47	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.205	74	422	0.01	ng/uL	82
3) Pyridine	3.193	79	1034	0.01	ng/uL	99
5) Aniline	6.993	93	3155	0.26	ng/uL#	1
7) Phenol	7.011	94	8492	0.07	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.541	93	345	0.00	ng/uL	90
9) 2-Chlorophenol	7.255	128	405	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.541	146	3036	0.03	ng/uL#	1
11) 1,4-Dichlorobenzene	7.698	146	3636	0.03	ng/uL#	1
12) 1,2-Dichlorobenzene	7.955	146	595	0.01	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.270	45	378	0.00	ng/uL#	51
14) Benzyl Alcohol	7.961	108	9496	0.15	ng/uL#	53
15) 2-Methylphenol	8.211	108	493	0.01	ng/uL#	1
16) Acetophenone	8.497	105	12665	0.10	ng/uL	91
17) Hexachloroethane	8.689	119	1802	0.05	ng/uL#	20
18) 4-Methylphenol	8.555	108	1402	0.02	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.526	70	1837	0.03	ng/uL#	1
22) Nitrobenzene	8.806	77	4950	0.05	ng/uL#	1
24) Isophorone	9.400	82	2690	0.01	ng/uL	94
25) 2-Chloroaniline	9.412	127	98	0.00	ng/uL#	1
26) 2-Nitrophenol	9.558	139	113	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.709	107	1040	0.01	ng/uL#	46
28) Bis(2-chlorethoxy)methane	9.843	93	317	0.00	ng/uL	96
29) 2,4-Dichlorophenol	10.164	162	1219	0.02	ng/uL#	47
30) Benzoic Acid	9.808	105	41669	2.98	ng/uL	96
31) 1,2,4-Trichlorobenzene	10.275	180	1857	0.02	ng/uL	100
32) Naphthalene	10.432	128	36311	0.13	ng/uL	98
33) 4-Chloroaniline	10.432	127	4299 <MDL	0.06	ng/uL	92
34) 2,6-Dichlorophenol	10.164	162	1219	0.02	ng/uL#	56
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.365	55	25946	0.63	ng/uL#	37
37) 1,2-Bis(2-chloroethoxy...	11.627	63	271	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.802	107	2370	0.03	ng/uL#	1
39) 2-Methylnaphthalene	12.047	142	28430	0.16	ng/uL	97
40) 1-Methylnaphthalene	12.268	142	25259	0.15	ng/uL	97
41) 1,3 Dinitrobenzene	13.964	168	469	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:23:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.402	216	175	0.00	ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.271	162	297	0.00	ng/uL	88
49) 1,1'-Biphenyl	13.177	154	8691	0.04	ng/uL	95
50) 2-Nitroaniline	13.440	138	468	0.01	ng/uL#	29
51) Acenaphthylene	14.145	152	6532	0.03	ng/uL#	81
52) 2,6-Dinitrotoluene	14.092	165	840	0.02	ng/uL#	1
53) Dimethyl Phthalate	14.028	163	120	0.00	ng/uL#	53
54) 3-Nitroaniline	14.413	138	111	0.00	ng/uL#	1
55) Acenaphthene	14.565	153	8566	0.05	ng/uL#	91
56) 2,4-Dinitrophenol	15.118	184	58	~~2.84~~	ng/uL#	1
57) Dibenzofuran	14.984	168	16549	0.08	ng/uL	98
58) 4-Nitrophenol	14.897	65	1533	0.05	ng/uL#	73
59) 2,4-Dinitrotoluene	15.037	165	672	0.01	ng/uL#	37
60) 2,3,5,6-Tetrachlorophenol	15.194	232	342	0.01	ng/uL#	1
61) 2,3,4,6-Tetrachlorophenol	15.293	232	177	0.00	ng/uL#	1
62) Fluorene	15.800	166	11264	0.06	ng/uL#	86
63) Diethyl Phthalate	15.684	149	46663m	0.29	ng/uL	
64) 4-Chlorophenyl Phenyl ...	15.876	204	128	0.00	ng/uL#	1
65) 4-Nitroaniline	15.888	138	112	0.00	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.366	198	973	~~1.02~~	ng/uL#	1
68) N-Nitroso-diphenylamine	16.156	169	4622	0.03	ng/uL#	50
69) 1,2-Diphenylhydrazine	16.680	182	196	0.00	ng/uL	91
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.485	200	392	0.01	ng/uL	97
74) Pentachlorophenol	17.543	266	3172	0.12	ng/uL#	83
75) Phenanthrene	17.951	178	341103	1.46	ng/uL	99
76) Anthracene	18.044	178	18756	0.08	ng/uL#	93
77) Carbazole	18.365	167	15905	0.08	ng/uL#	93
79) Di-n-butyl Phthalate	19.035	149	47185	0.20	ng/uL#	93
80) Fluoroanthene	19.816	202	419649	1.88	ng/uL	97
82) Pyrene	20.108	202	430962	2.97	ng/uL#	81
83) Butyl Benzyl Phthalate	20.929	149	7531m	0.13	ng/uL	
84) Bis(2-ethylhexyl) adipate	21.029	129	3162	0.13	ng/uL#	100
85) Benzo(a)anthracene	21.506	228	109691	0.98	ng/uL#	94
86) Chrysene	21.547	228	164629	1.51	ng/uL#	92
87) Bis(2-ethylhexyl)phtha...	21.553	149	87094	1.19	ng/uL	90
88) Di-n-octyl Phthalate	22.235	149	9319m	0.41	ng/uL	
90) Benzo(b)fluoroanthene	22.707	252	78450m	2.59	ng/uL	
91) Benzo(k)fluoranthene	22.736	252	28901m	0.84	ng/uL	
92) Benzo(a)pyrene	23.121	252	36450	1.28	ng/uL	94
93) Indeno(1,2,3-cd)pyrene	24.829	276	14771	0.60	ng/uL	92
94) Dibdenz(a,h)anthracene	24.858	278	4611	0.23	ng/uL#	53
95) Benzo(g,h,i)Perylene	25.318	276	12756	0.60	ng/uL	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 07:52:41 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

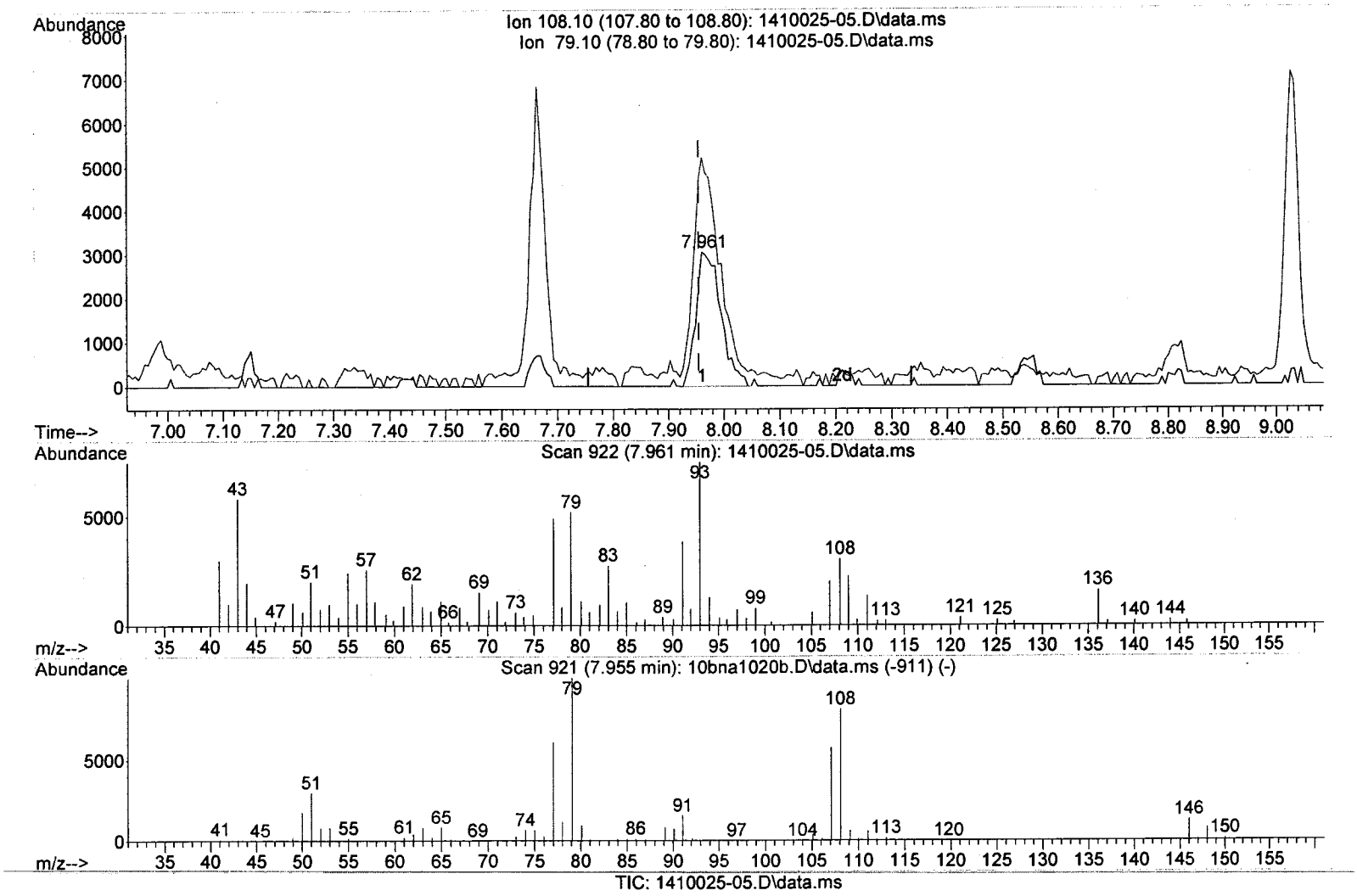
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	364206	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.385	136	1433918	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.495	164	793440	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1212303	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	611999	5.00	ng/uL	#	0.00
22) Perylene-d12	23.197	264	167270	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.420	74	26128	0.45	ng/uL	#	29
3) Pyridine	3.193	79	366	0.00	ng/uL	#	1
4) Aniline	6.993	93	3155	0.02	ng/uL	#	1
5) Benzaldehyde	6.778	105	3145	0.04	ng/uL	#	76
6) Acetophenone	8.497	105	12665	0.09	ng/uL		89
7) N-Nitroso-di-n-propyla...	8.549	70	4994	0.07	ng/uL	#	79
9) 4-Chloroaniline	11.067	127	875	0.02	ng/uL	#	72
10) Caprolactam	11.365	55	11301	0.34	ng/uL	#	58
12) 1,1'-Biphenyl	13.177	154	8691	0.04	ng/uL		95
13) 2-Nitroaniline	13.440	138	468	0.02	ng/uL	#	29
14) 3-Nitroaniline	14.413	138	111	Below Cal		#	1
15) 4-Nitroaniline	15.888	138	112	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.156	169	4640	0.03	ng/uL	#	50
18) Atrazine	17.502	200	1275	Below Cal		#	47
20) Benzidine	20.049	184	52954	1.01	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.151	252	1419	0.04	ng/uL		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(14) Benzyl Alcohol

7.961min (+ 0.006) 0.15 ng/uL

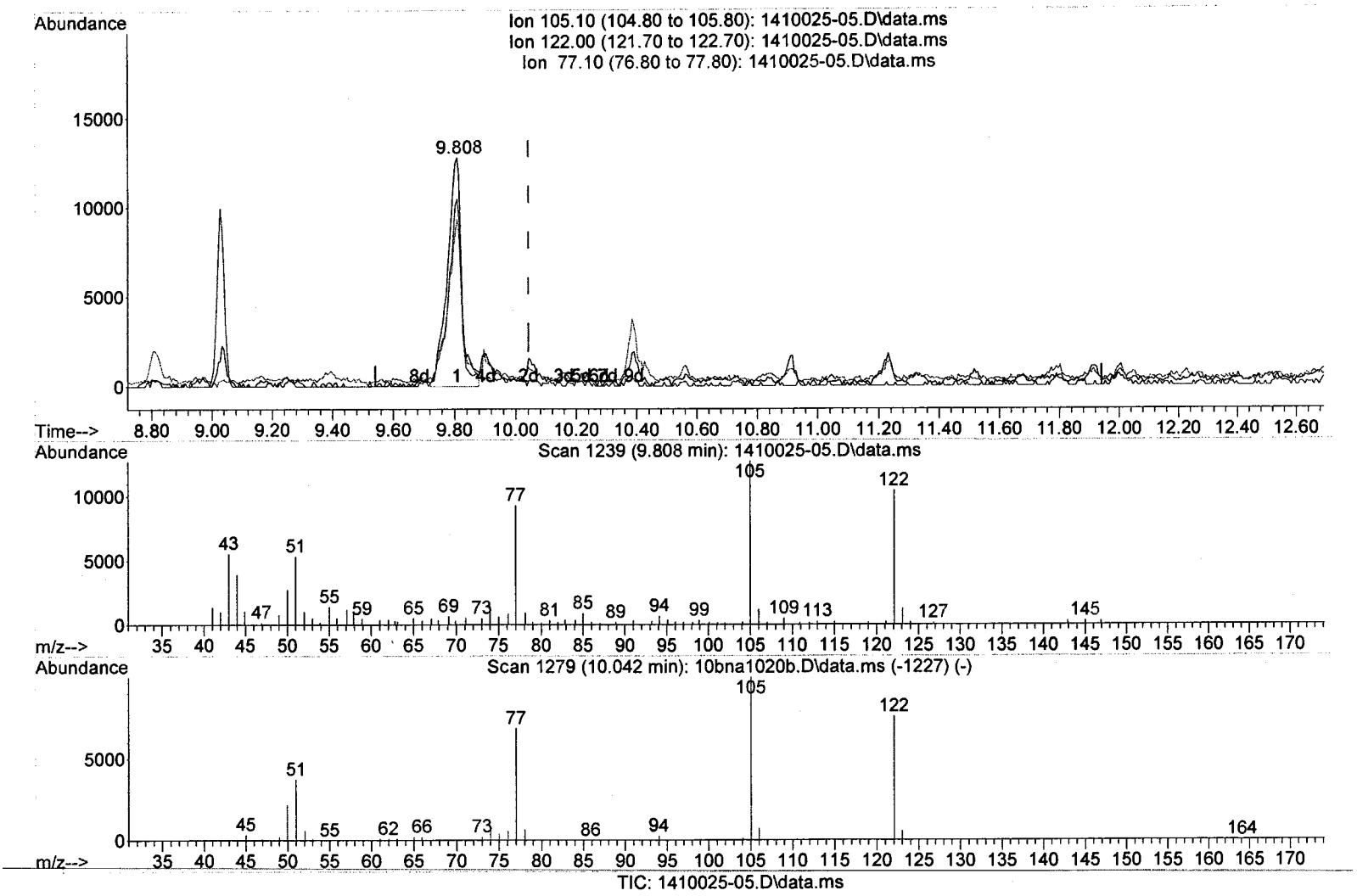
response 9496

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	194.72#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(30) Benzoic Acid

9.808min (-0.233) 2.98 ng/uL

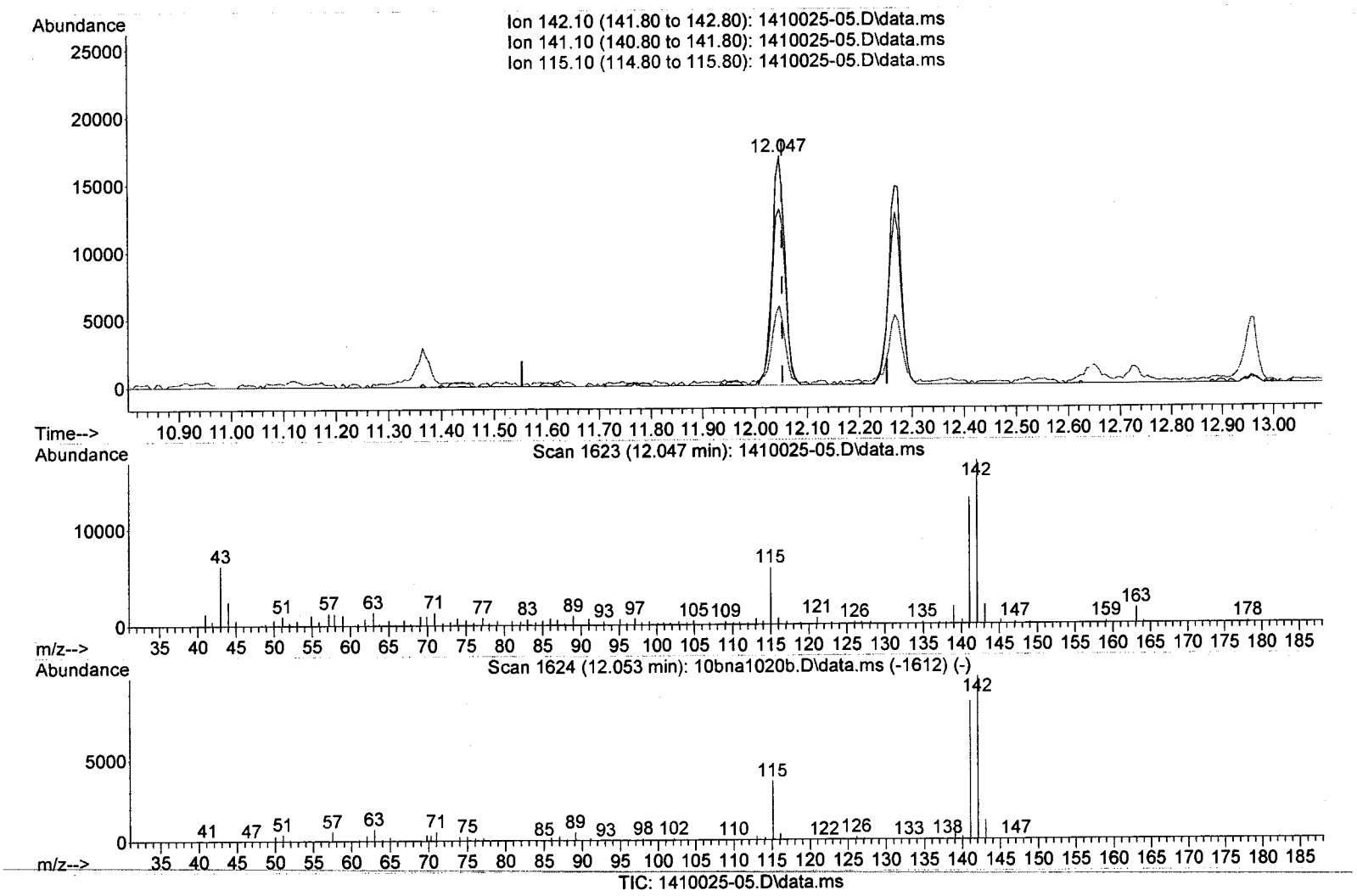
response 41669

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	80.12
77.10	74.70	67.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(39) 2-Methylnaphthalene

12.047min (-0.006) 0.16 ng/uL

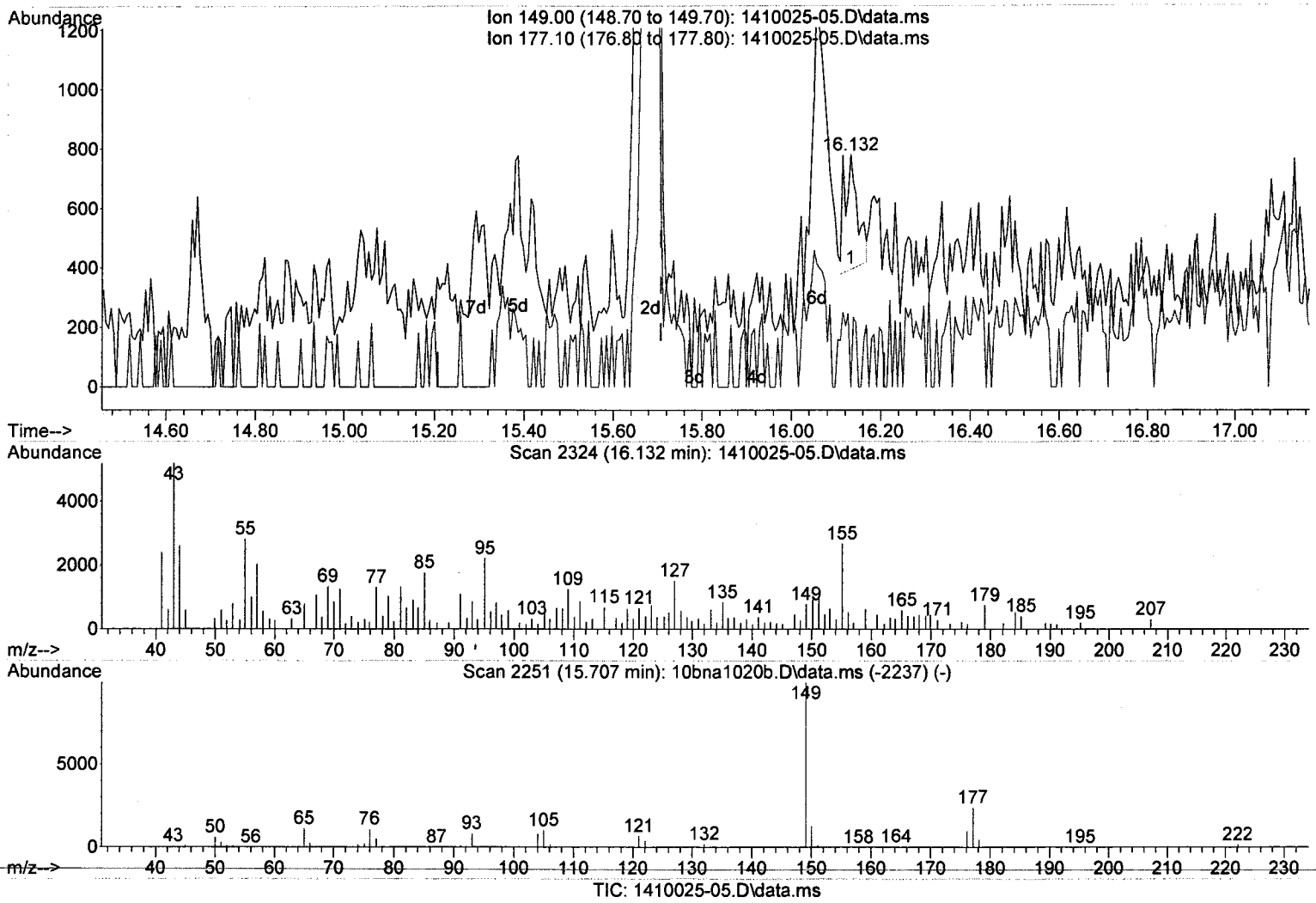
response 28430

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	83.36
115.10	33.50	38.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

16.132min (+ 0.425) 0.00 ng/uL

response 772

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	20.34
0.00	0.00	0.00
0.00	0.00	0.00

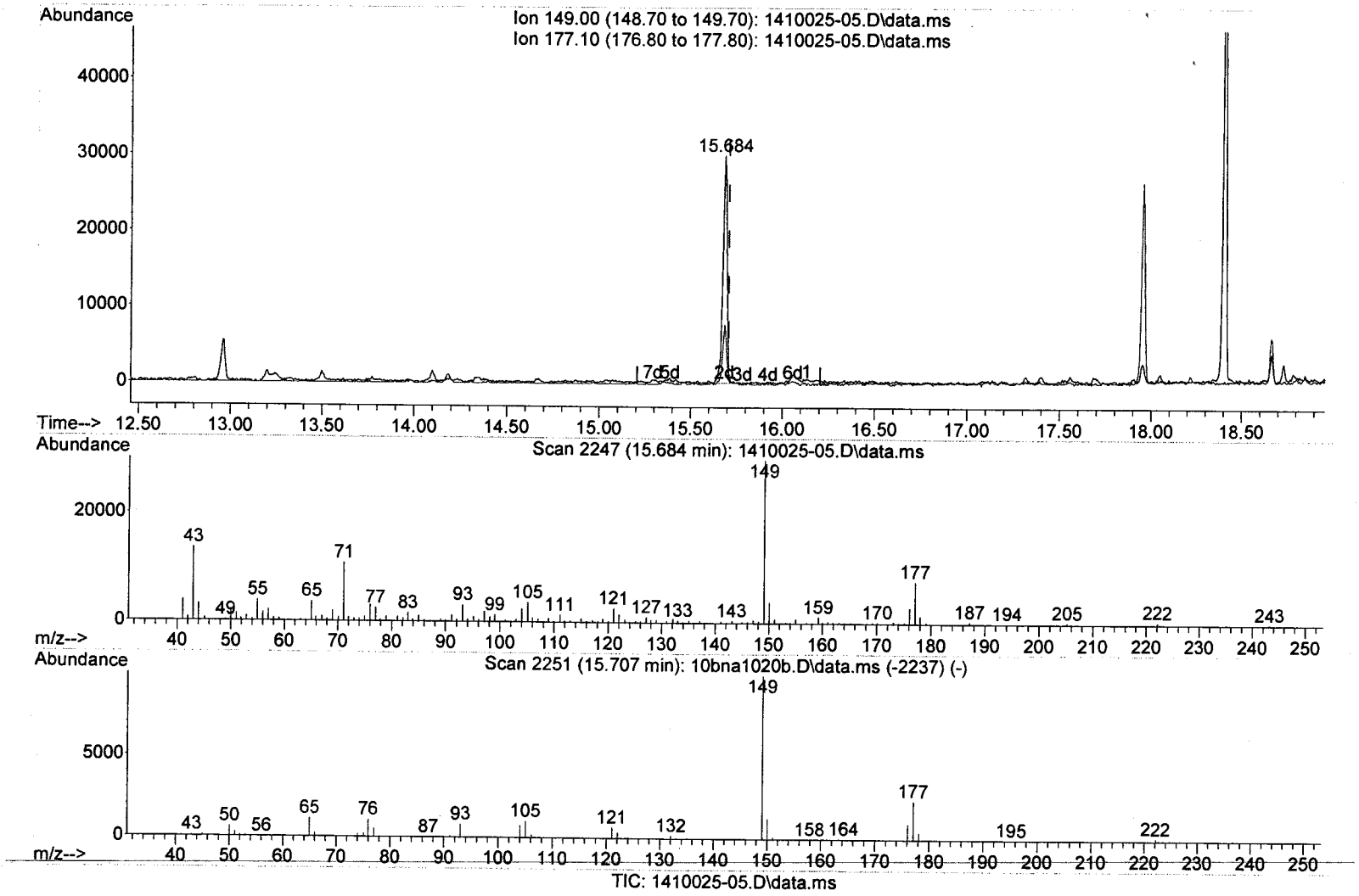
JLB 10/21/14

Dmy 10.22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

15.684min (-0.023) 0.29 ng/uL m

response 46663

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	0.34#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

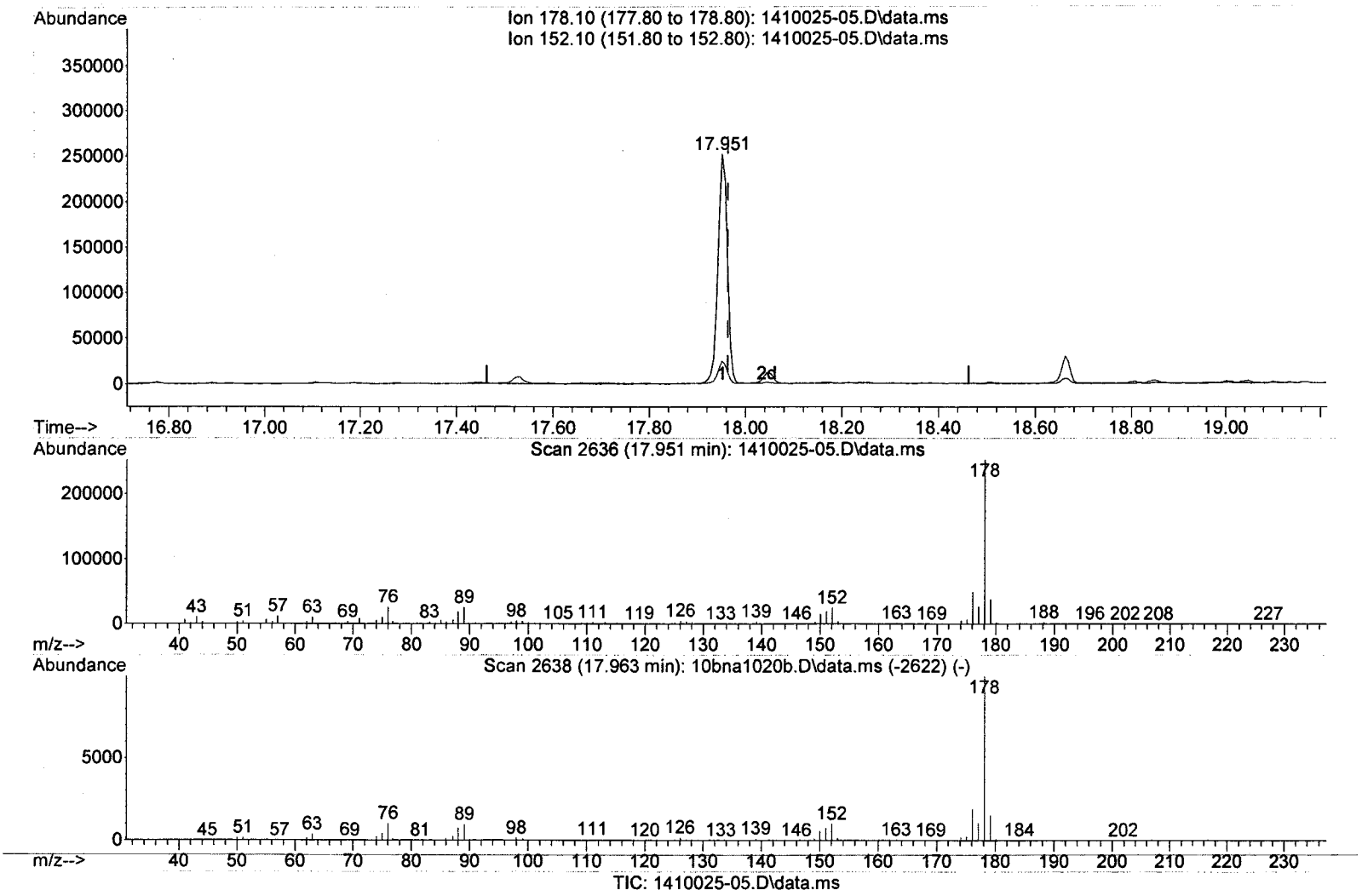
Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No
Analyst: JLB Date: 10/21/14
Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(75) Phenanthrene

17.951min (-0.012) 1.46 ng/uL

response 341103

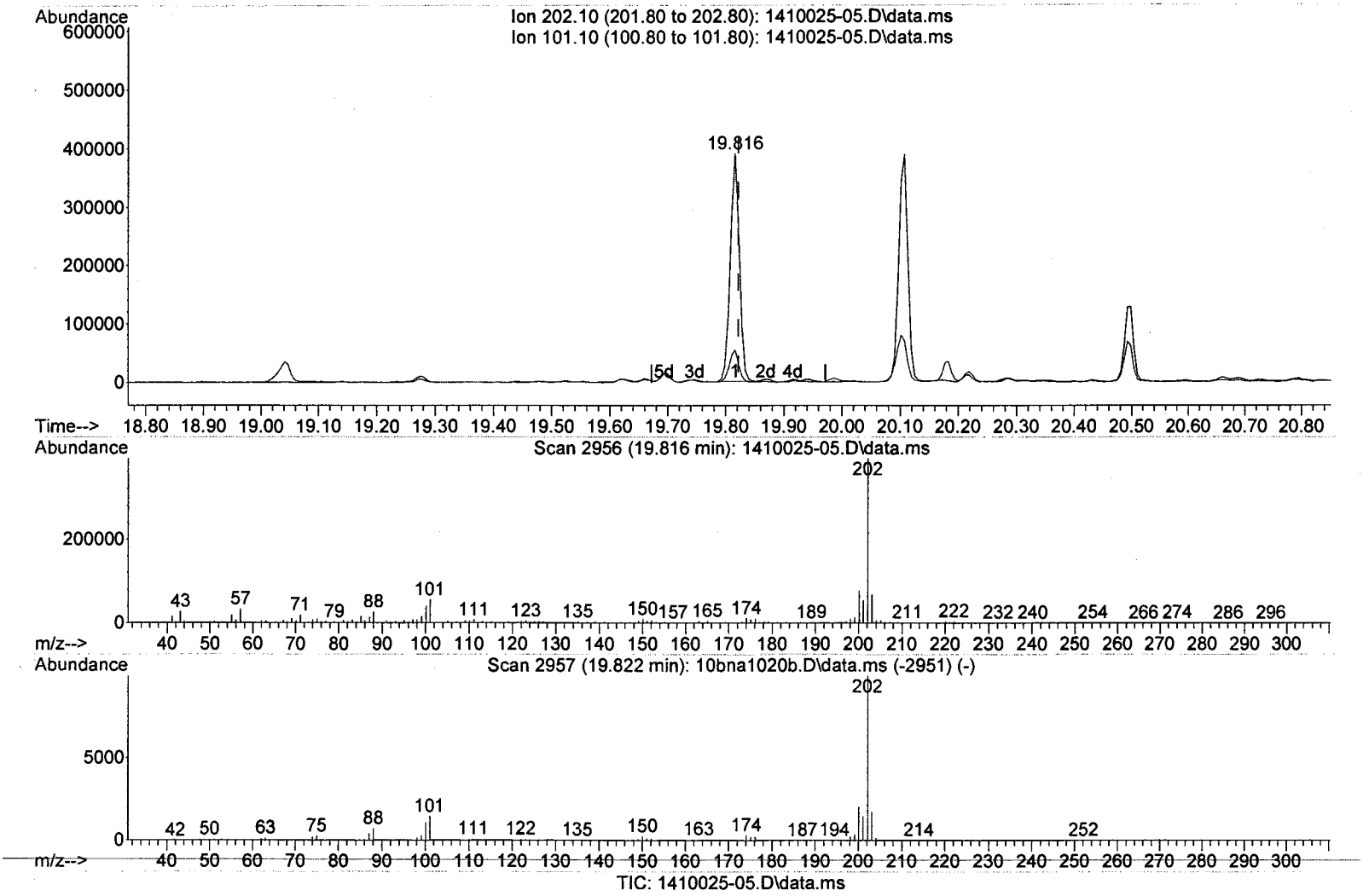
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	9.75
0.00	0.00	0.00
0.00	0.00	0.00

003617

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(80) Fluoroanthene (C)

19.816min (-0.006) 1.88 ng/uL

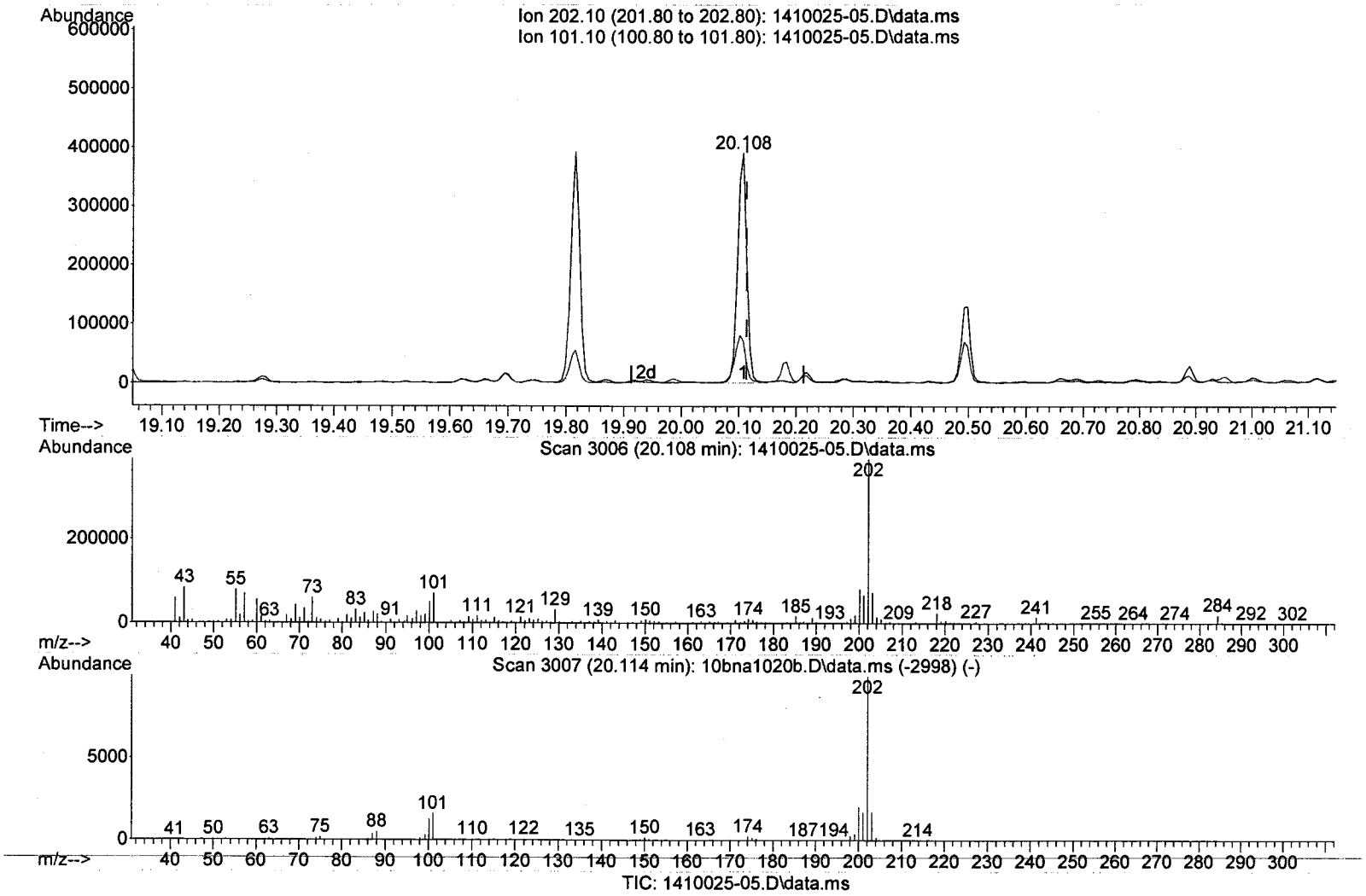
response 419649

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	14.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(82) Pyrene

20.108min (-0.006) 2.97 ng/uL

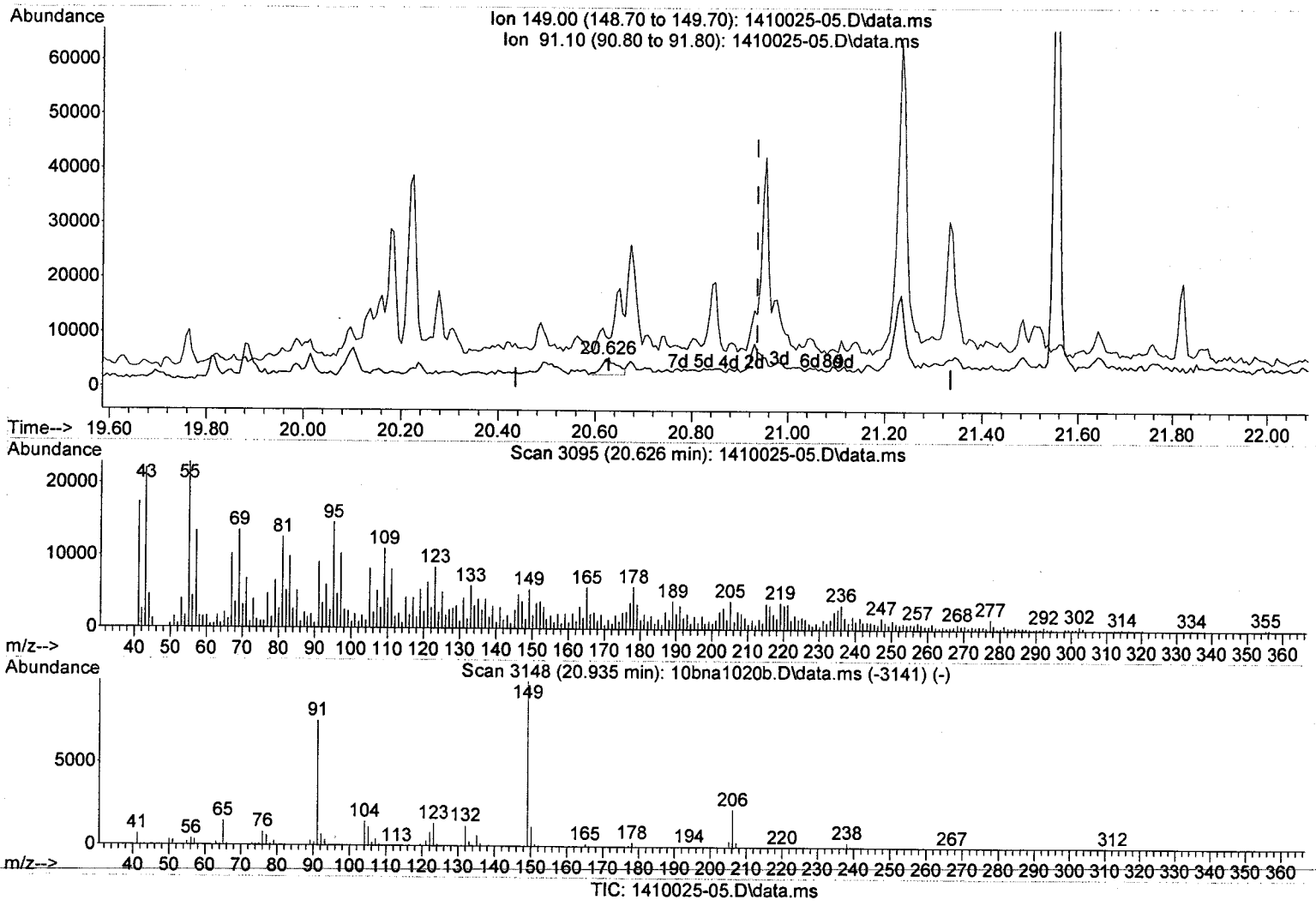
response 430962

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	24.18#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.626min (-0.309) 0.12 ng/uL

response 7021

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	79.49
0.00	0.00	0.00
0.00	0.00	0.00

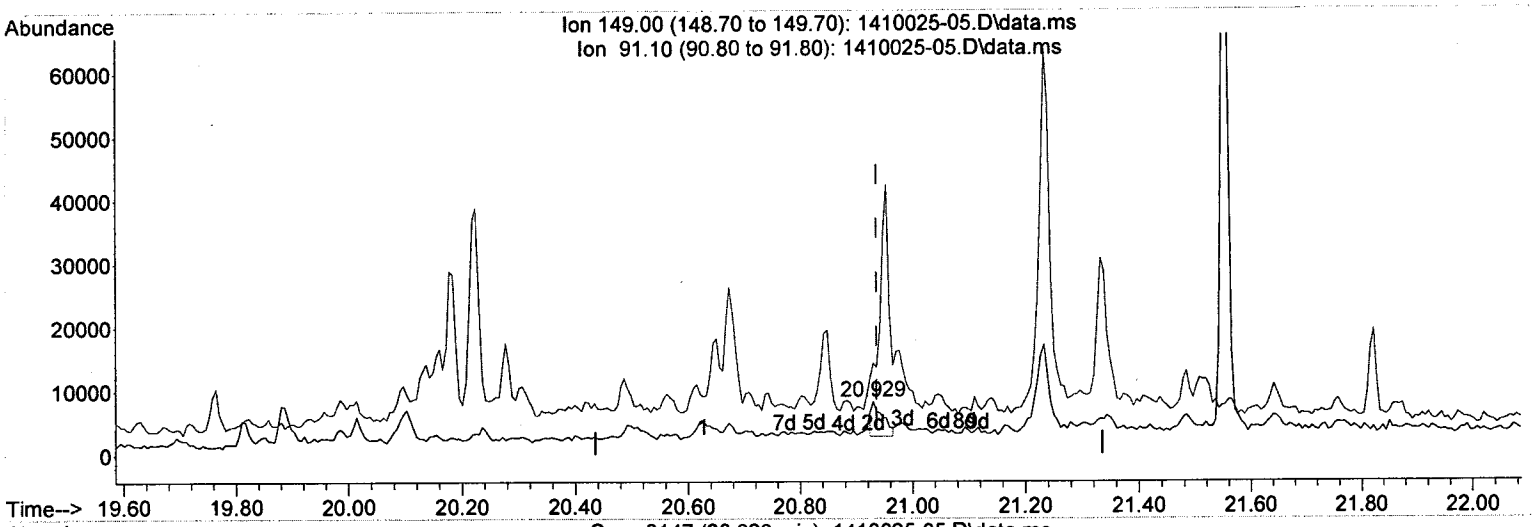
Jwb 10/21/14

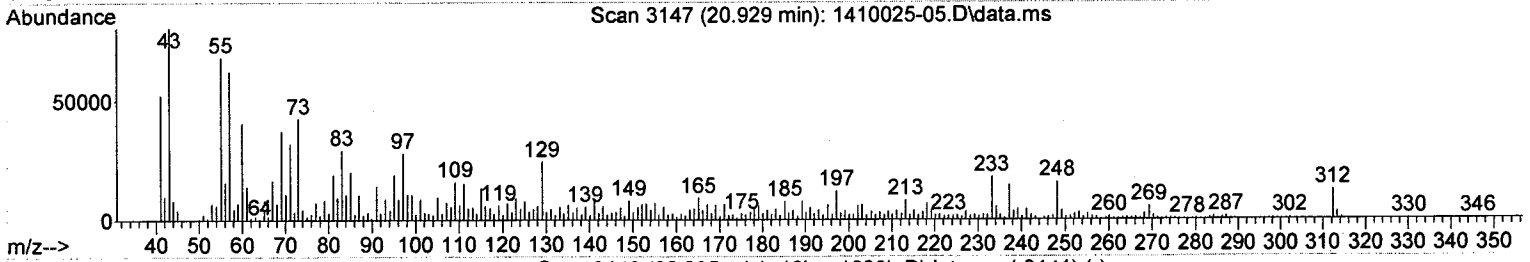
Dmf 12.22-14

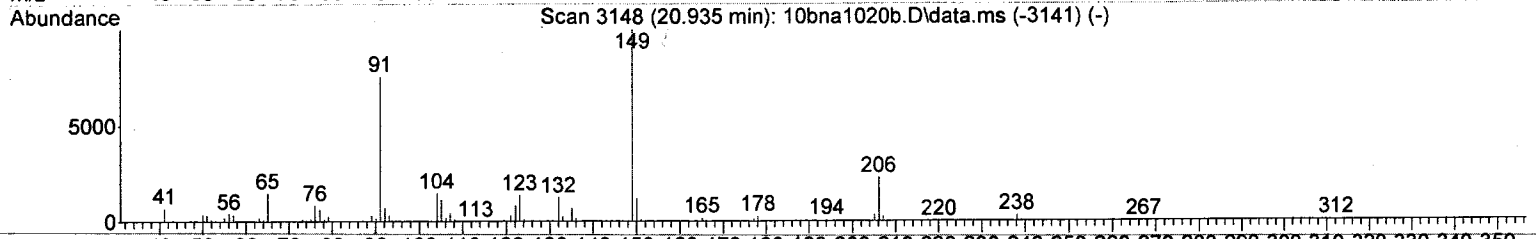
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-05.D\data.ms

(83) Butyl Benzyl Phthalate

20.929min (-0.006) 0.13 ng/uL m

response 7531

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	74.11
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

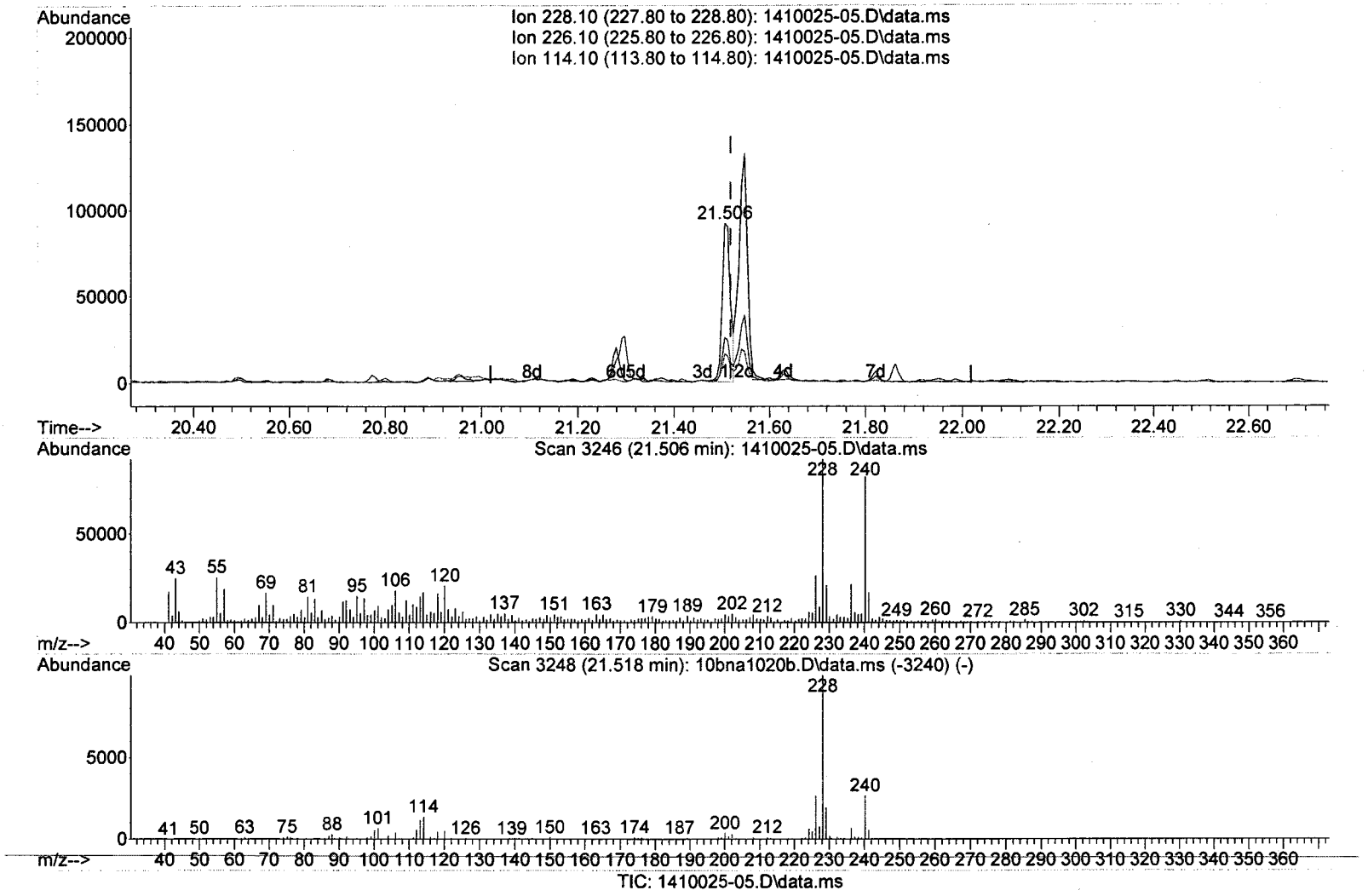
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/21/14
Reviewed By: DW Date: 10-22-14

003621

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(85) Benzo(a)anthracene

21.506min (-0.012) 0.98 ng/uL

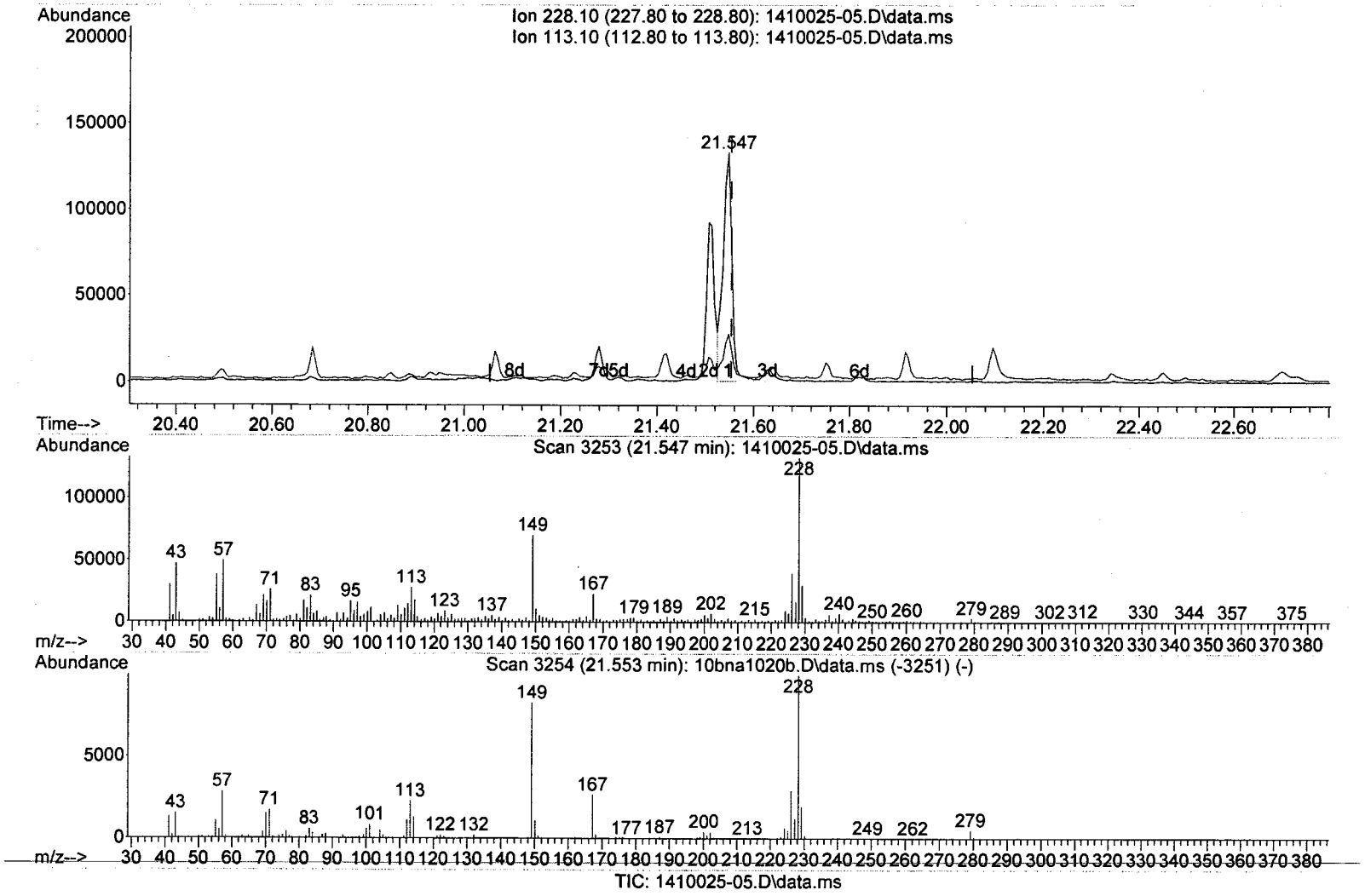
response 109691

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	27.28
114.10	13.30	18.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(86) Chrysene

21.547min (-0.006) 1.51 ng/uL

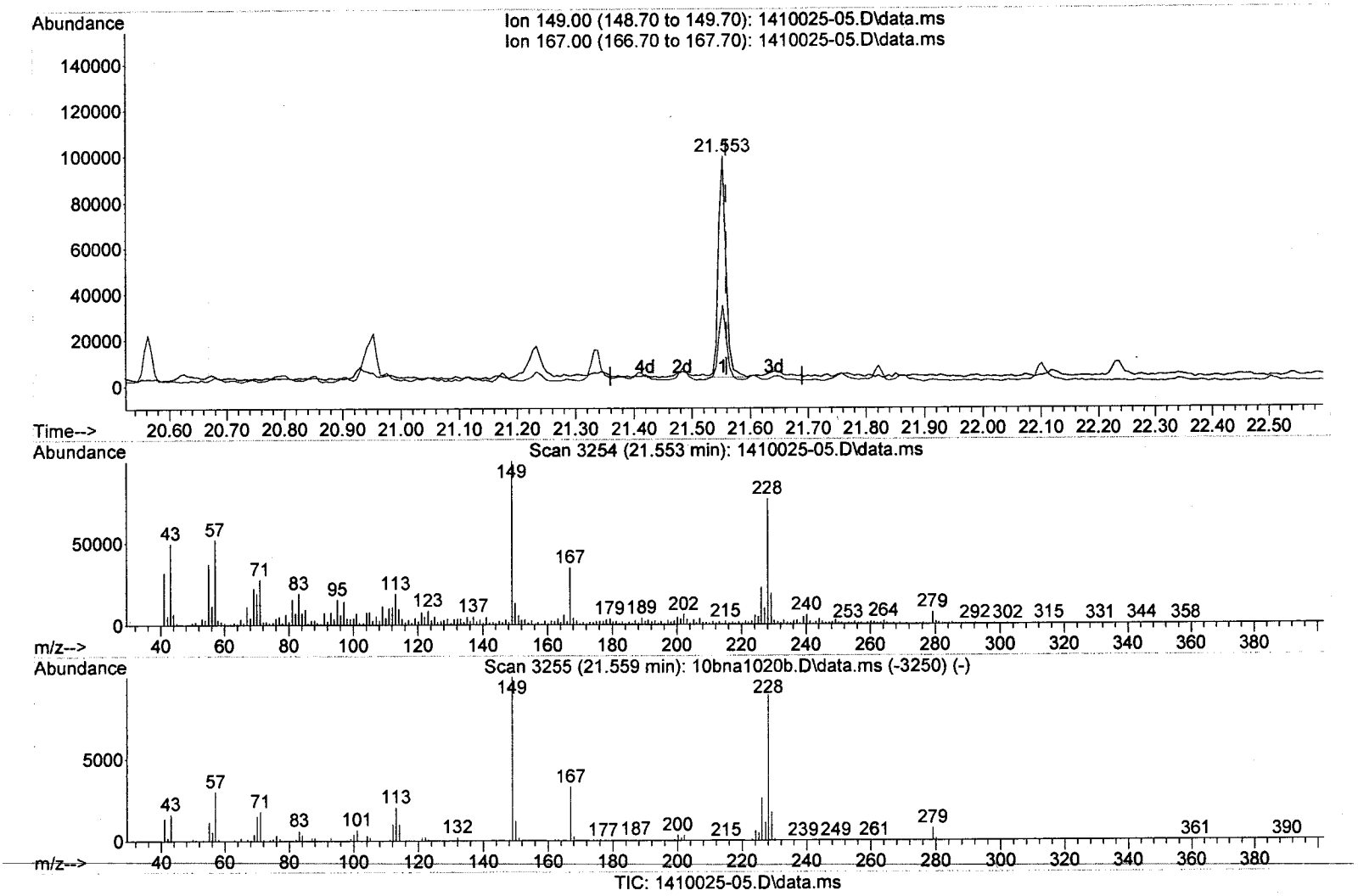
response 164629

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	19.26#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.553min (-0.006) 1.19 ng/uL

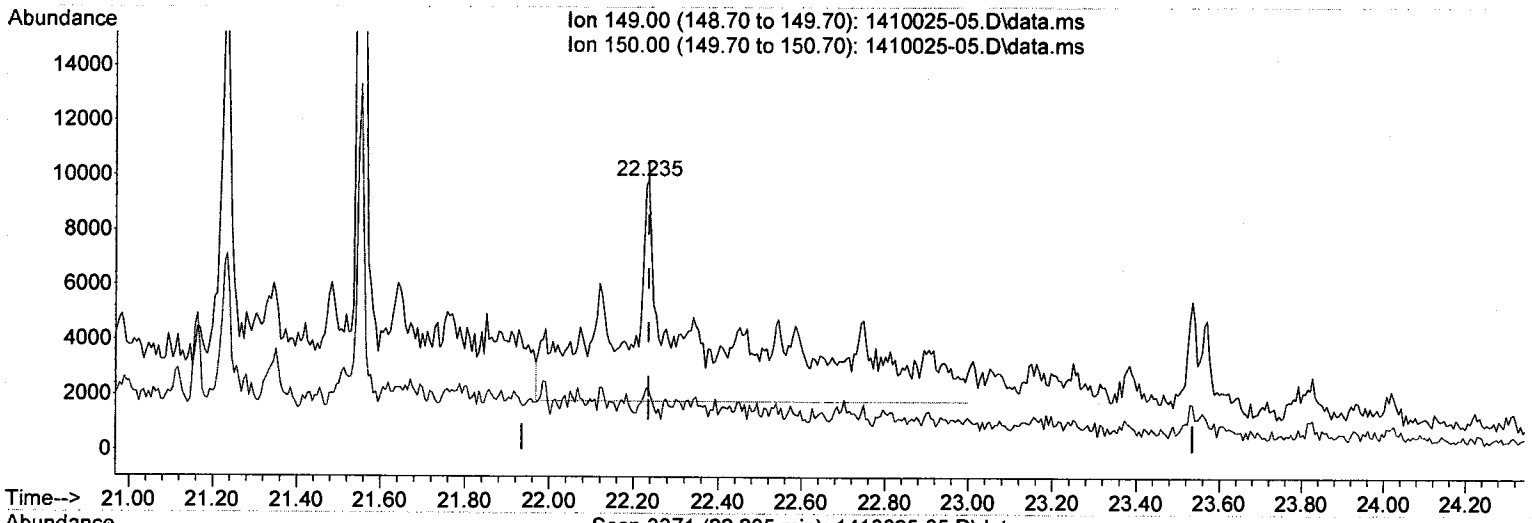
response 87094

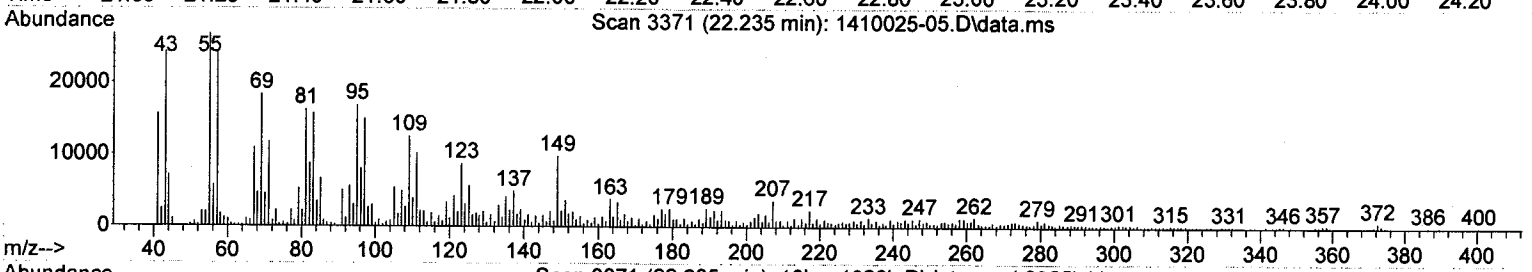
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.46
0.00	0.00	0.00
0.00	0.00	0.00

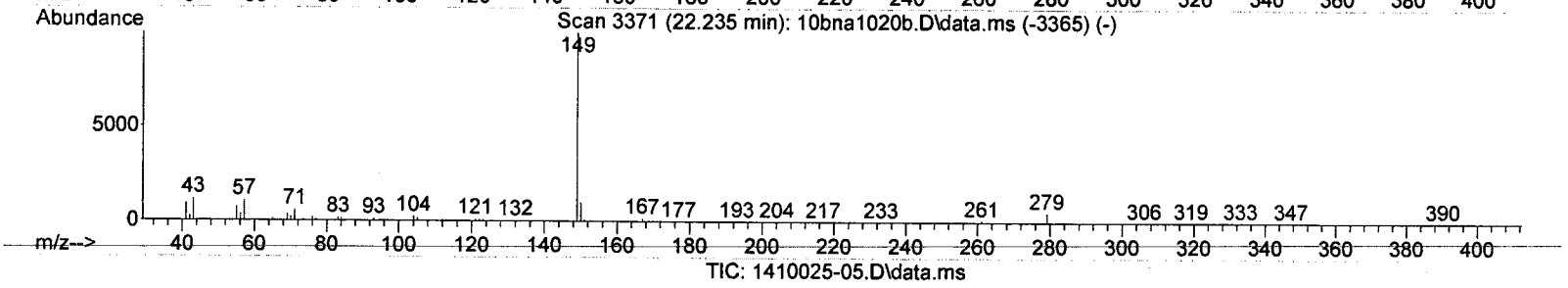
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-05.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.235min (-0.000) 1.38 ng/uL

response 140448

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.50#
0.00	0.00	0.00
0.00	0.00	0.00

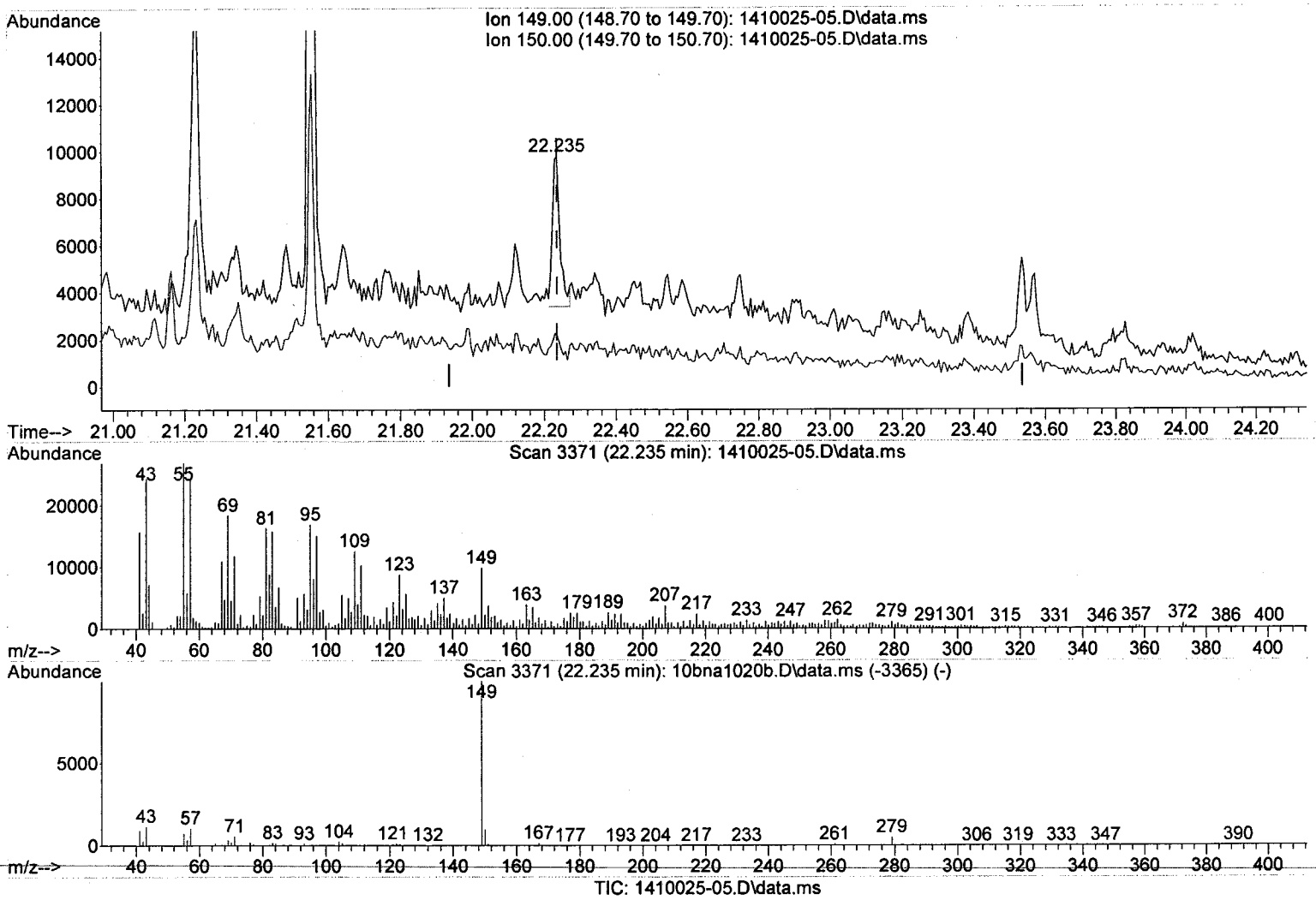
JWS 10/21/14

DWP 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.235min (-0.000) 0.41 ng/uL m

response 9319

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	22.61#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

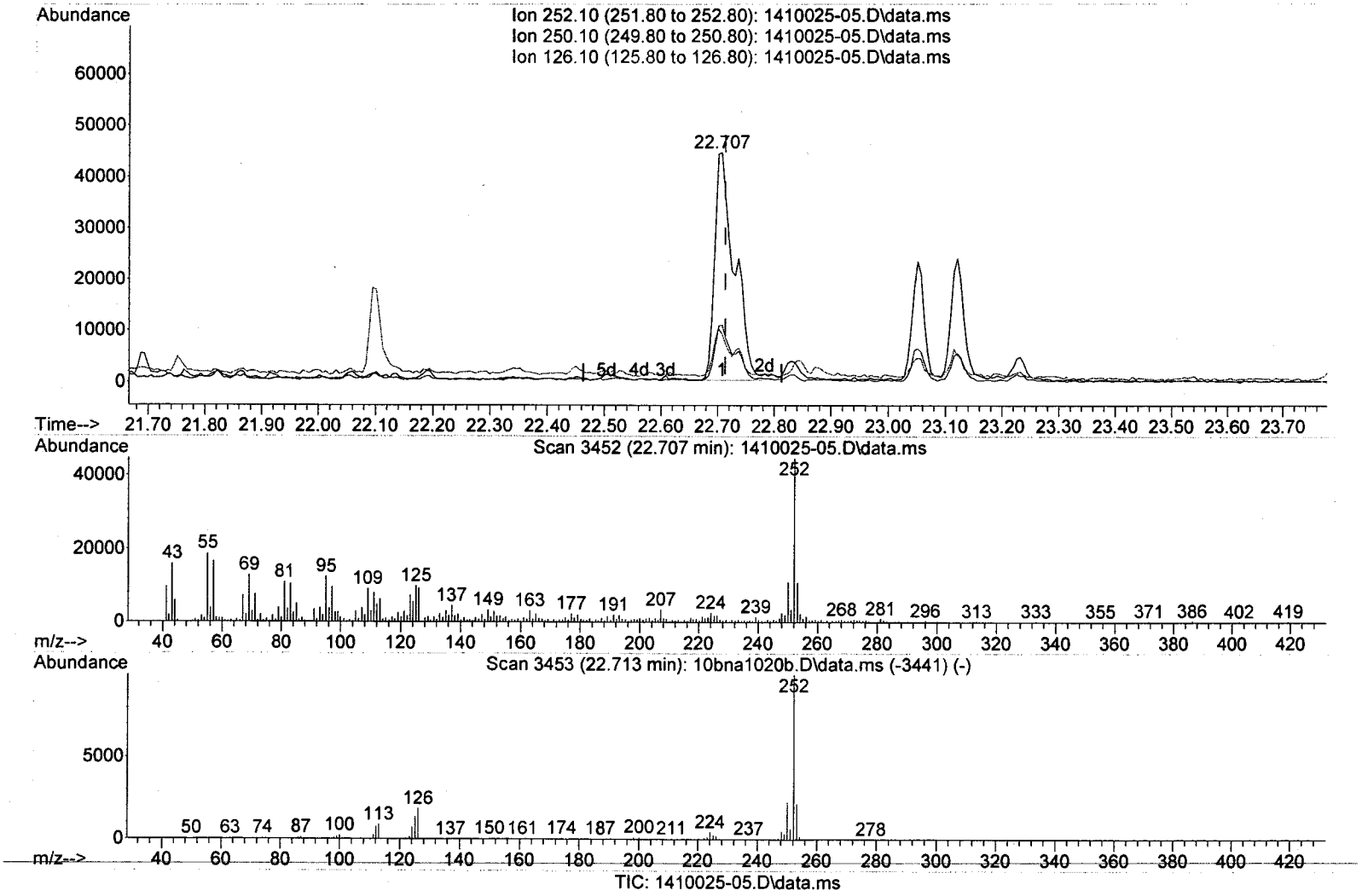
Analyst: JLB Date: 10/21/14

Reviewed By: Dnc Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.707min (-0.006) 3.51 ng/uL

response 106217

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	24.18
126.10	17.20	14.71
0.00	0.00	0.00

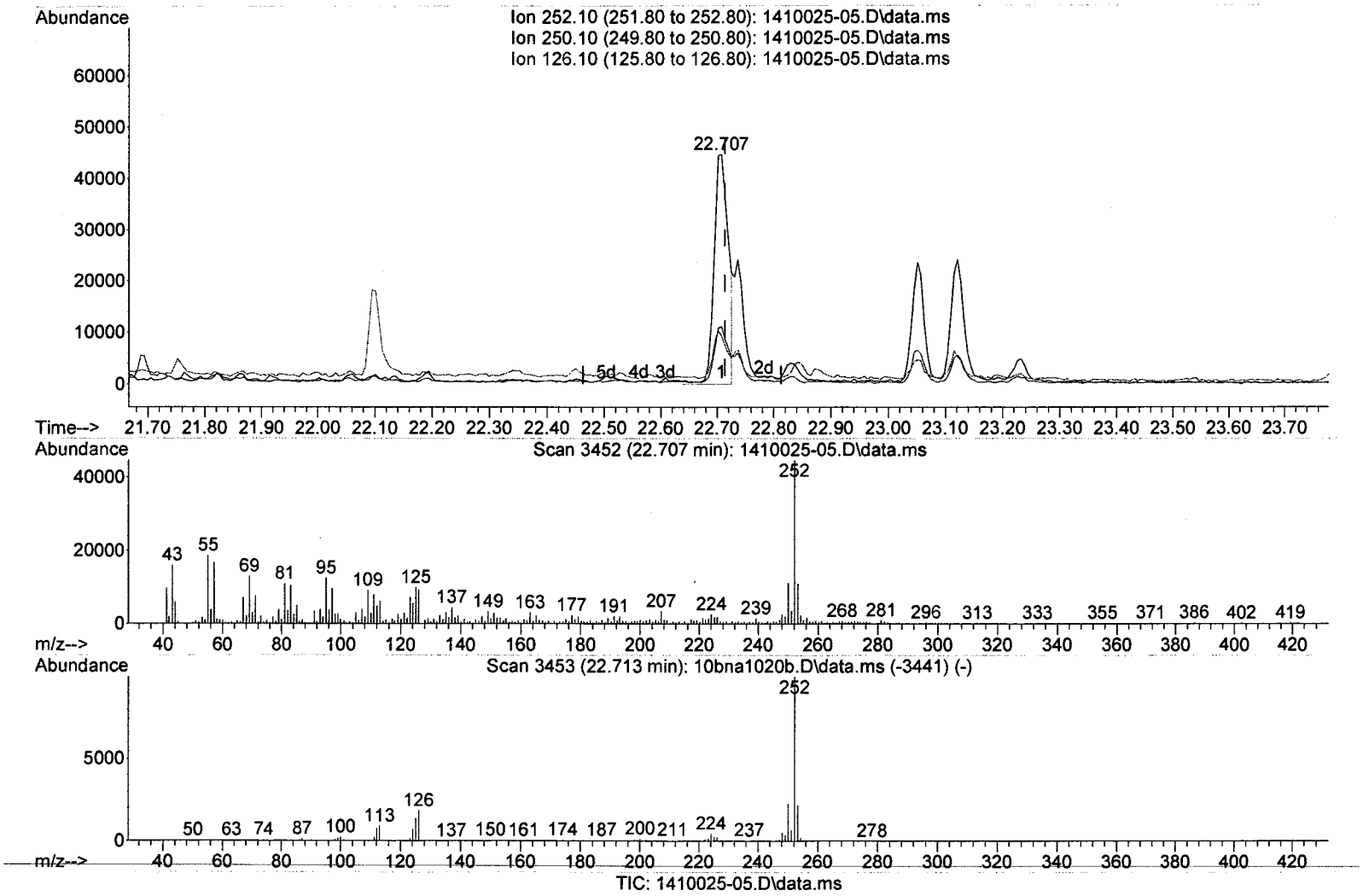
JWS 10/21/14

DW 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(90) Benzo(b)fluoroanthene

22.707min (-0.006) 2.59 ng/uL m

response 78450

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	32.74#
126.10	17.20	19.92
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

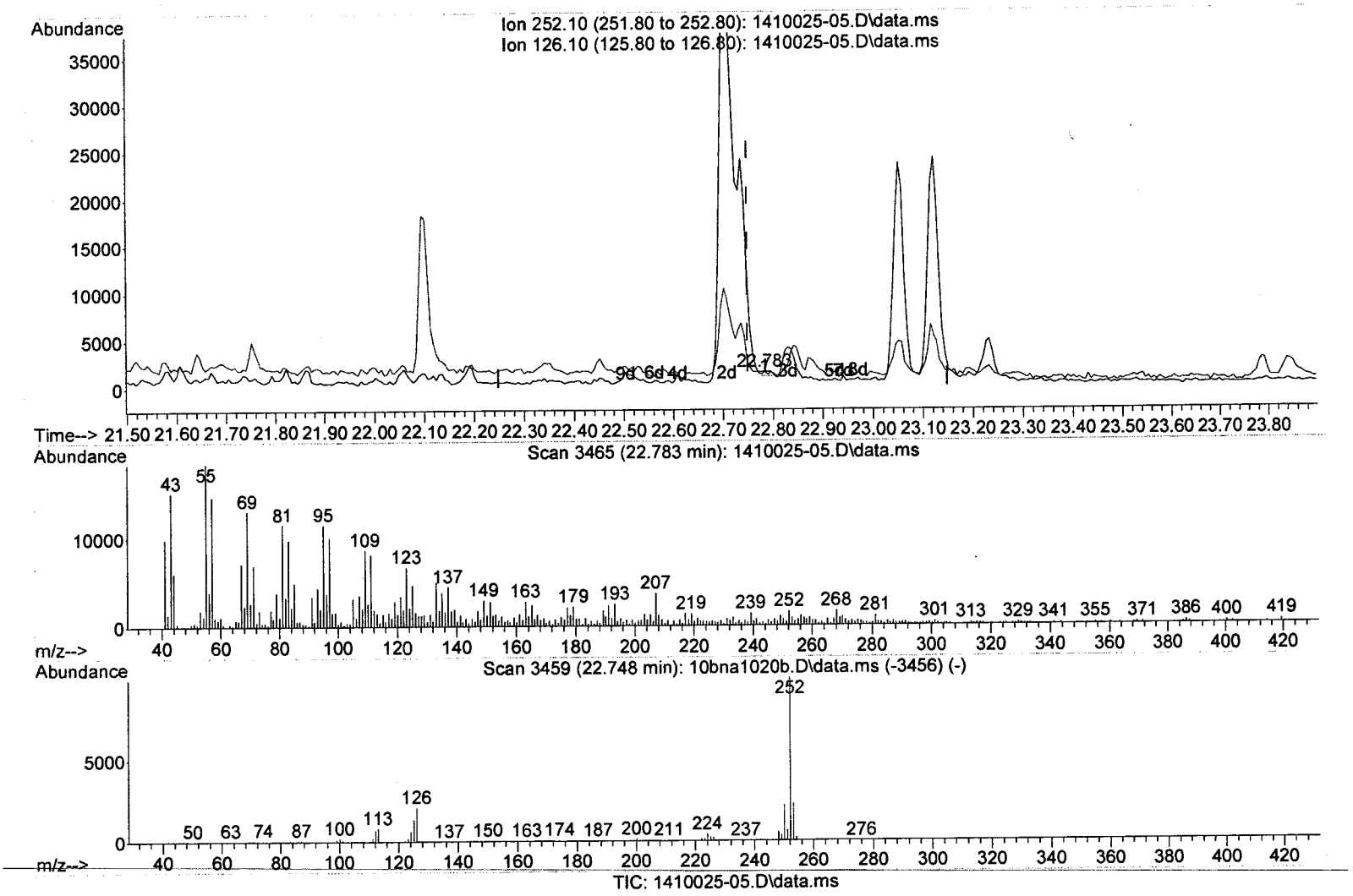
Analyst: _____ Date: 10/21/14

Reviewed By: _____ Date: 11-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.783min (+ 0.035) 0.01 ng/uL

response 491

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	1619.14#
0.00	0.00	0.00
0.00	0.00	0.00

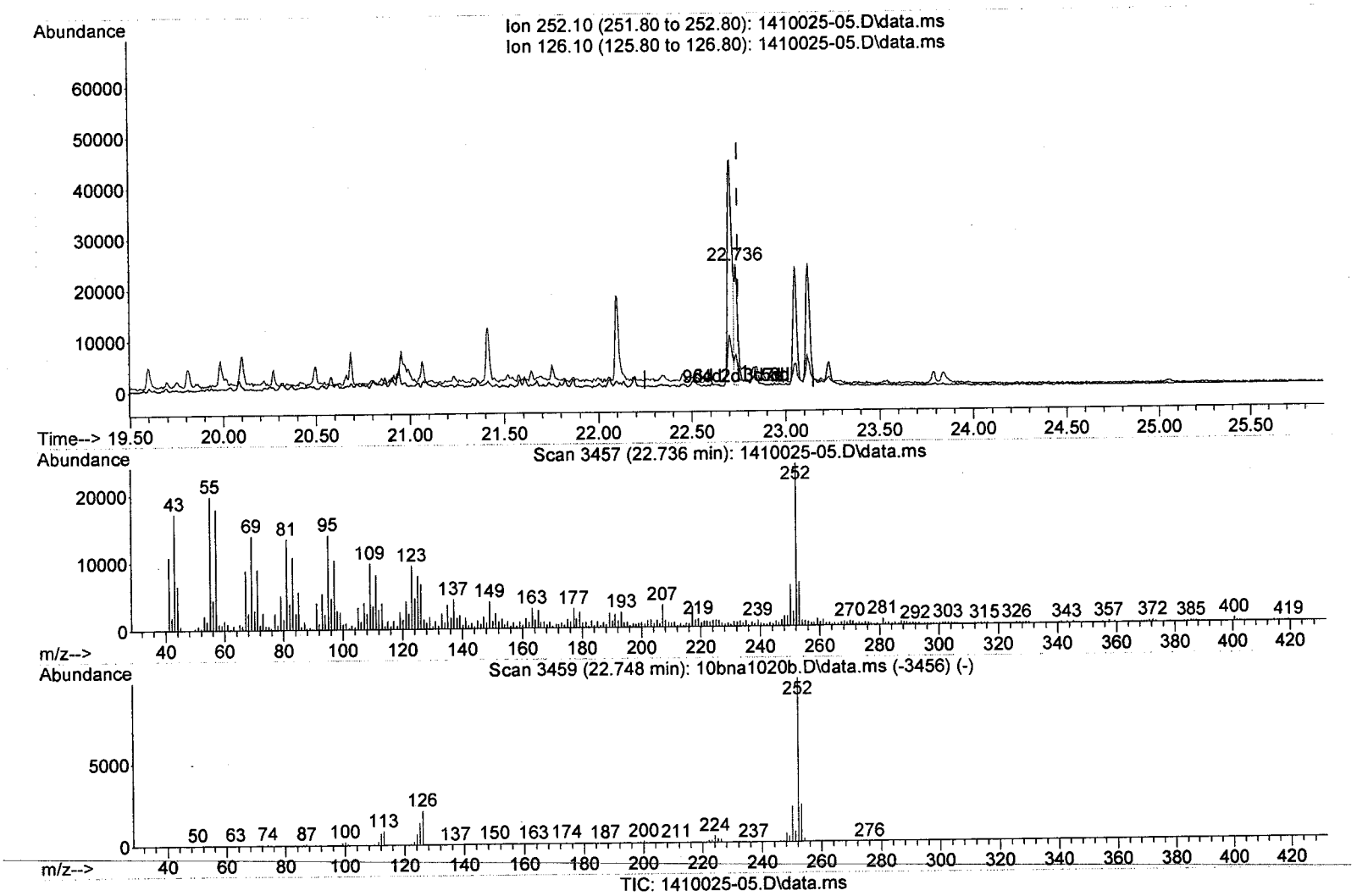
AM 10-22-14

JLB 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.736min (-0.012) 0.84 ng/uL m

response 28901

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	27.51#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

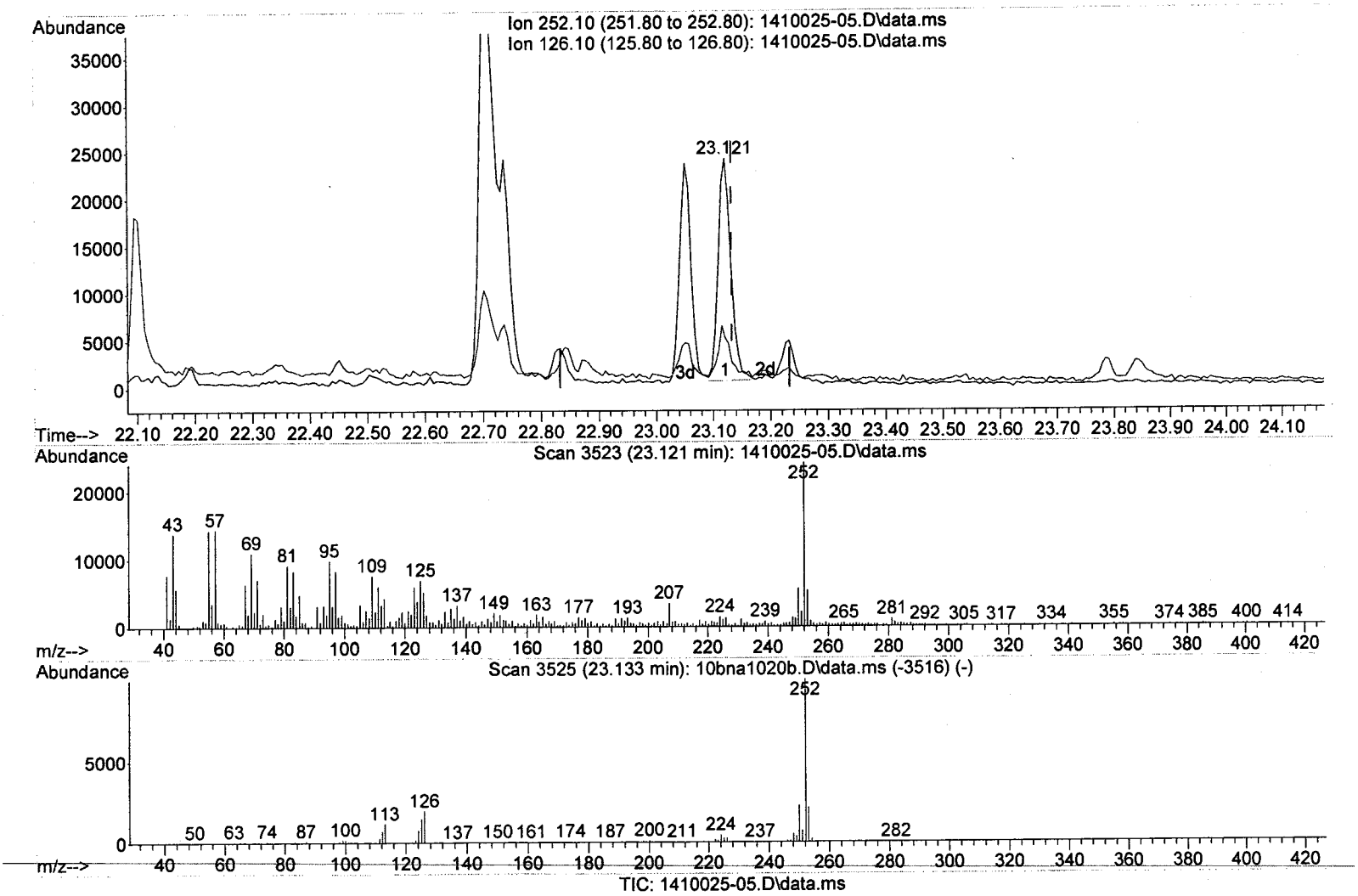
Analyst: _____ Date: 10/21/14

Reviewed By: _____ Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(92) Benzo(a)pyrene (C)

23.121min (-0.012) 1.28 ng/uL

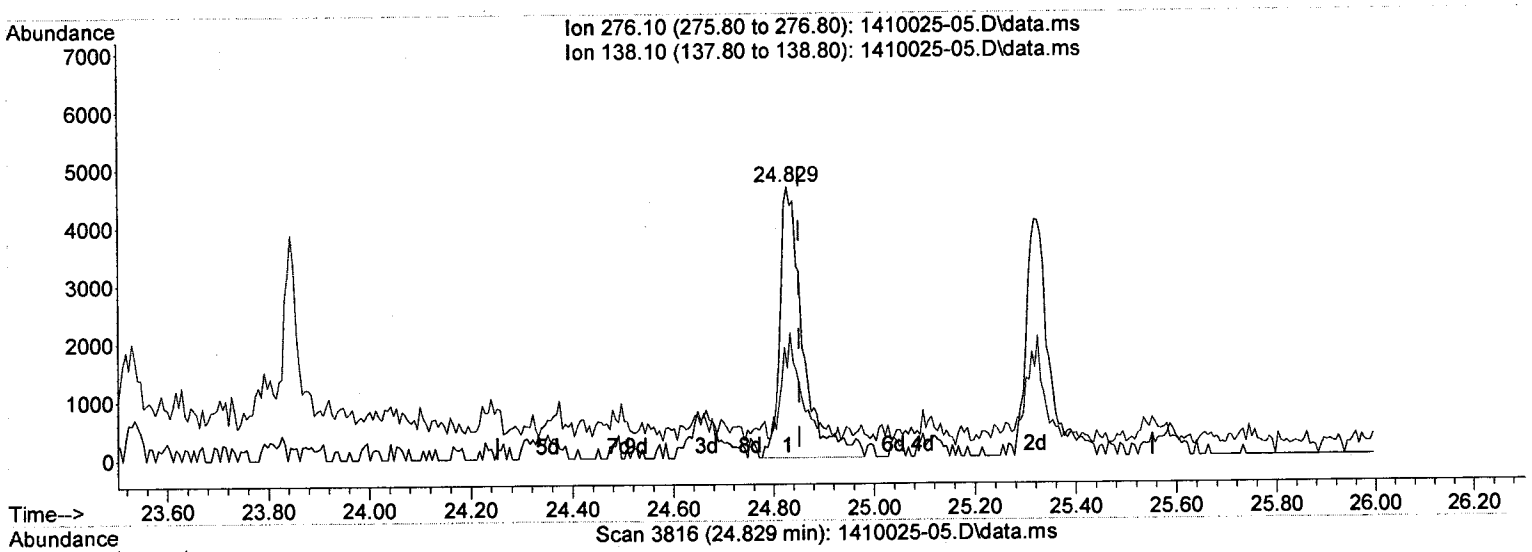
response 36450

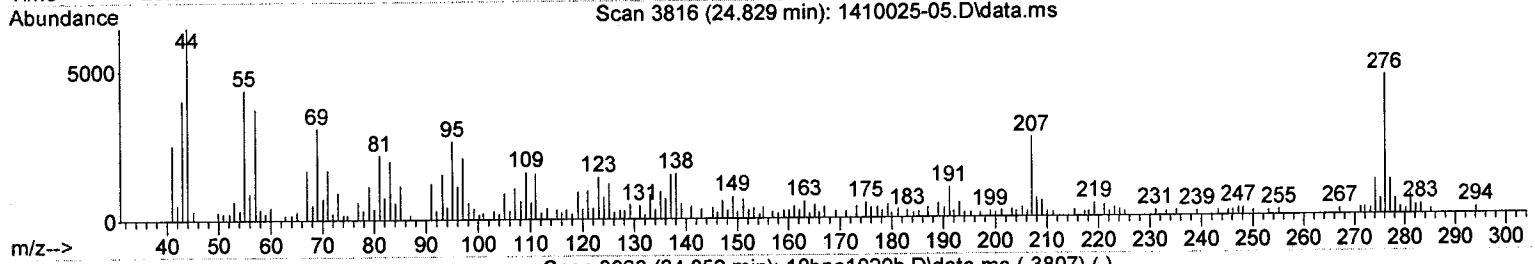
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	22.15
0.00	0.00	0.00
0.00	0.00	0.00

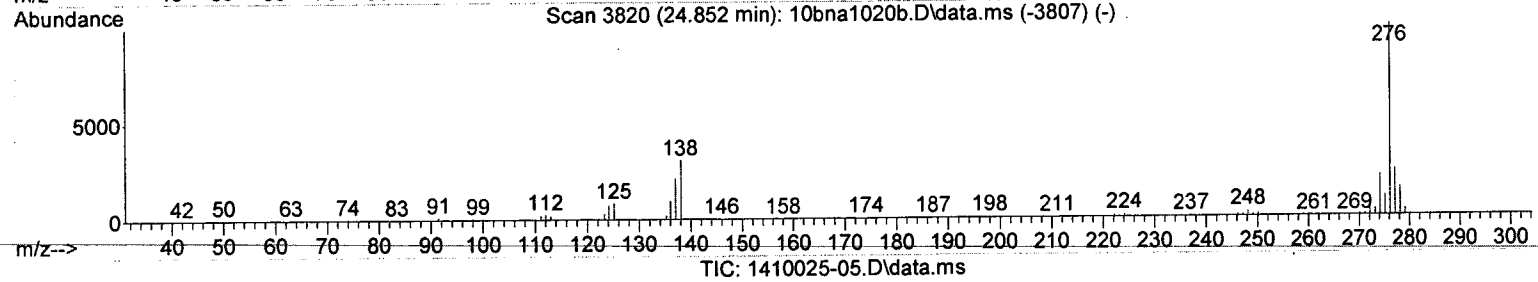
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-05.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.829min (-0.023) 0.60 ng/uL

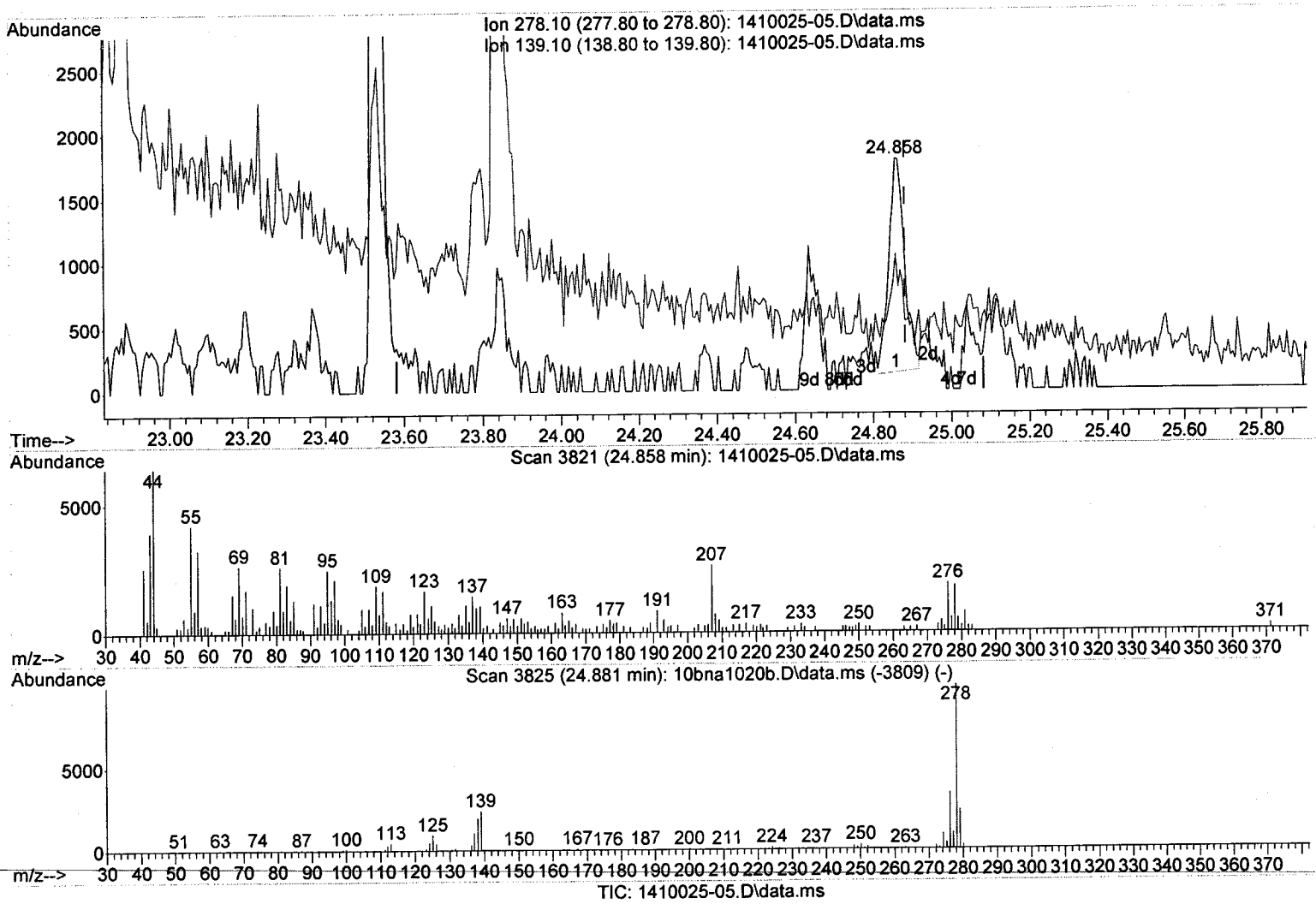
response 14771

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	32.99
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-05.D\data.ms

(94) Dibdenz(a,h)anthracene

24.858min (-0.023) 0.23 ng/uL

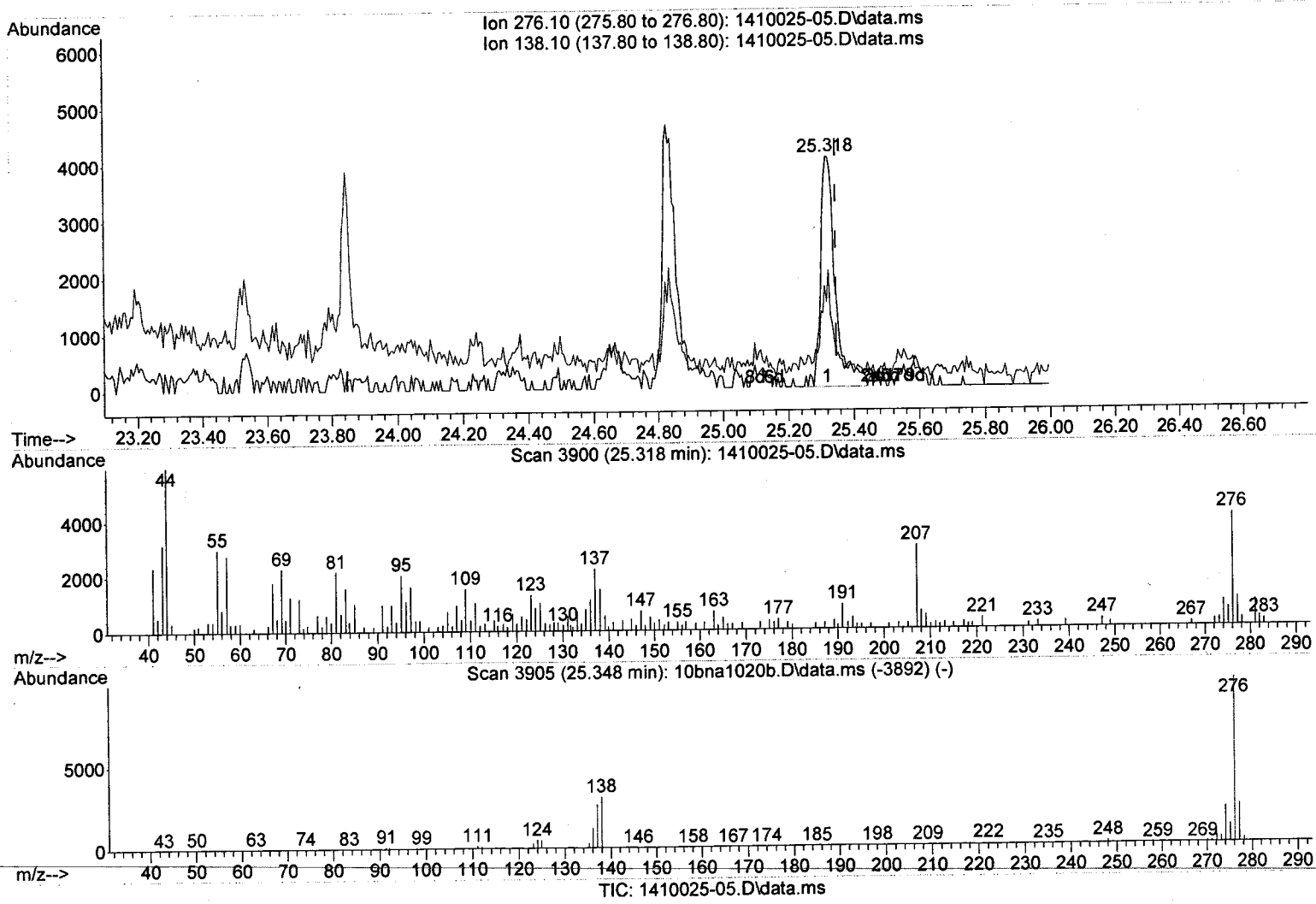
response 4611

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	37.65#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-05.D
Acq On : 21 Oct 2014 2:14
Operator : JLB
Sample : 1410025-05 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 08:20:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.318min (-0.029) 0.60 ng/uL

response 12756

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	31.10
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-05RE1 File ID: 1410025-05 5x.D

Sampled: 09/30/14 12:59 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 16:35

Solids: 96.42 Preparation: 3550C Sonication Extract Initial/Final: 29.6 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	5	87	24	87	87	U
208-96-8	Acenaphthylene	5	87	22	87	87	U
120-12-7	Anthracene	5	87	21	87	87	U
56-55-3	Benzo(a)anthracene	5	33	14	43	87	J
50-32-8	Benzo(a)pyrene	5	35	12	43	87	J
205-99-2	Benzo(b)fluoranthene	5	67	9.9	43	87	J
207-08-9	Benzo(k)fluoranthene	5	32	10	43	87	J
191-24-2	Benzo(g,h,i)perylene	5	21	9.8	43	170	J
65-85-0	Benzoic Acid	5	450	360	870	1700	J
100-51-6	Benzyl Alcohol	5	87	24	87	87	U
101-55-3	4-Bromophenyl Phenyl Ether	5	87	21	87	87	U
85-68-7	Butyl Benzyl Phthalate	5	87	21	87	170	U
86-74-8	Carbazole	5	87	21	87	870	U
59-50-7	4-Chloro-3-methylphenol	5	87	26	87	87	U
106-47-8	4-Chloroaniline	5	87	46	87	350	U
111-91-1	Bis(2-chloroethoxy)methane	5	87	21	87	87	U
111-44-4	Bis(2-chloroethyl) Ether	5	87	20	87	87	U
108-60-1	Bis(2-chloroisopropyl) Ether	5	43	19	43	87	U
91-58-7	2-Chloronaphthalene	5	87	25	87	87	U
95-57-8	2-Chlorophenol	5	87	20	87	87	U
7005-72-3	4-Chlorophenyl Phenyl Ether	5	87	20	87	87	U
218-01-9	Chrysene	5	49	20	87	87	J
53-70-3	Dibenz(a,h)anthracene	5	11	9.9	43	170	J
132-64-9	Dibenzofuran	5	87	25	87	87	U
84-74-2	Di-n-butyl Phthalate	5	170	70	170	350	U
106-46-7	1,4-Dichlorobenzene	5	87	25	87	87	U
95-50-1	1,2-Dichlorobenzene	5	87	28	87	87	U
541-73-1	1,3-Dichlorobenzene	5	87	29	87	87	U
91-94-1	3,3´-Dichlorobenzidine	5	3500	1400	3500	4300	U
120-83-2	2,4-Dichlorophenol	5	87	21	87	170	U
84-66-2	Diethyl Phthalate	5	87	25	87	87	U
105-67-9	2,4-Dimethylphenol	5	690	190	690	870	U
131-11-3	Dimethyl Phthalate	5	87	24	87	87	U
534-52-1	4,6-Dinitro-2-methylphenol	5	350	110	350	870	U
51-28-5	2,4-Dinitrophenol	5	870	290	870	870	U
606-20-2	2,6-Dinitrotoluene	5	43	21	43	87	U
121-14-2	2,4-Dinitrotoluene	5	43	17	43	170	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-05RE1
File ID: 1410025-05 5x.D
Sampled: 09/30/14 12:59
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 16:35
Solids: 96.42
Preparation: 3550C Sonication Extract
Initial/Final: 29.6 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21047
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	5	65	20	87	87	**JB**
122-66-7	1,2-Diphenylhydrazine	5	43	17	43	87	U
117-81-7	Bis(2-ethylhexyl) Phthalate	5	87	60	87	170	U
206-44-0	Fluoranthene	5	63	23	87	87	**J**
86-73-7	Fluorene	5	87	21	87	170	U
118-74-1	Hexachlorobenzene	5	87	25	87	87	U
87-68-3	Hexachlorobutadiene	5	87	24	87	87	U
67-72-1	Hexachloroethane	5	87	26	87	87	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	23	14	43	170	**J**
78-59-1	Isophorone	5	87	20	87	87	U
91-57-6	2-Methylnaphthalene	5	87	24	87	87	U
108-39-4	3+4-Methylphenol	5	43	19	43	87	U
95-48-7	2-Methylphenol	5	43	18	43	87	U
91-20-3	Naphthalene	5	87	29	87	87	U
100-01-6	4-Nitroaniline	5	350	130	350	1700	U
88-74-4	2-Nitroaniline	5	43	19	43	87	U
99-09-2	3-Nitroaniline	5	170	85	170	1700	U
98-95-3	Nitrobenzene	5	87	24	87	87	U
88-75-5	2-Nitrophenol	5	87	23	87	87	U
100-02-7	4-Nitrophenol	5	1700	530	1700	3500	U
62-75-9	N-Nitroso-dimethylamine	5	35	17	35	170	U
86-30-6	N-Nitroso-diphenylamine	5	43	18	43	87	U
621-64-7	N-Nitroso-di-n-propylamine	5	87	21	87	87	U
87-86-5	Pentachlorophenol	5	87	68	87	870	U
85-01-8	Phenanthrene	5	47	21	87	87	**J**
108-95-2	Phenol	5	87	20	87	870	U
129-00-0	Pyrene	5	72	22	87	87	**J**
120-82-1	1,2,4-Trichlorobenzene	5	87	23	87	87	U
95-95-4	2,4,5-Trichlorophenol	5	87	23	87	87	U
88-06-2	2,4,6-Trichlorophenol	5	43	13	43	87	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	701	540	77	33 - 113	D
Phenol-d6	701	554	79	30 - 115	D
Nitrobenzene-d5	350	258	73	33 - 131	D
2-Fluorobiphenyl	350	282	81	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-05RE1
File ID: 1410025-05 5x.D
Sampled: 09/30/14 12:59
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 16:35
Solids: 96.42
Preparation: 3550C Sonication Extract
Initial/Final: 29.6 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21047
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	701	457	65	12 - 124	D
o-Terphenyl	350	293	83	20 - 155	D

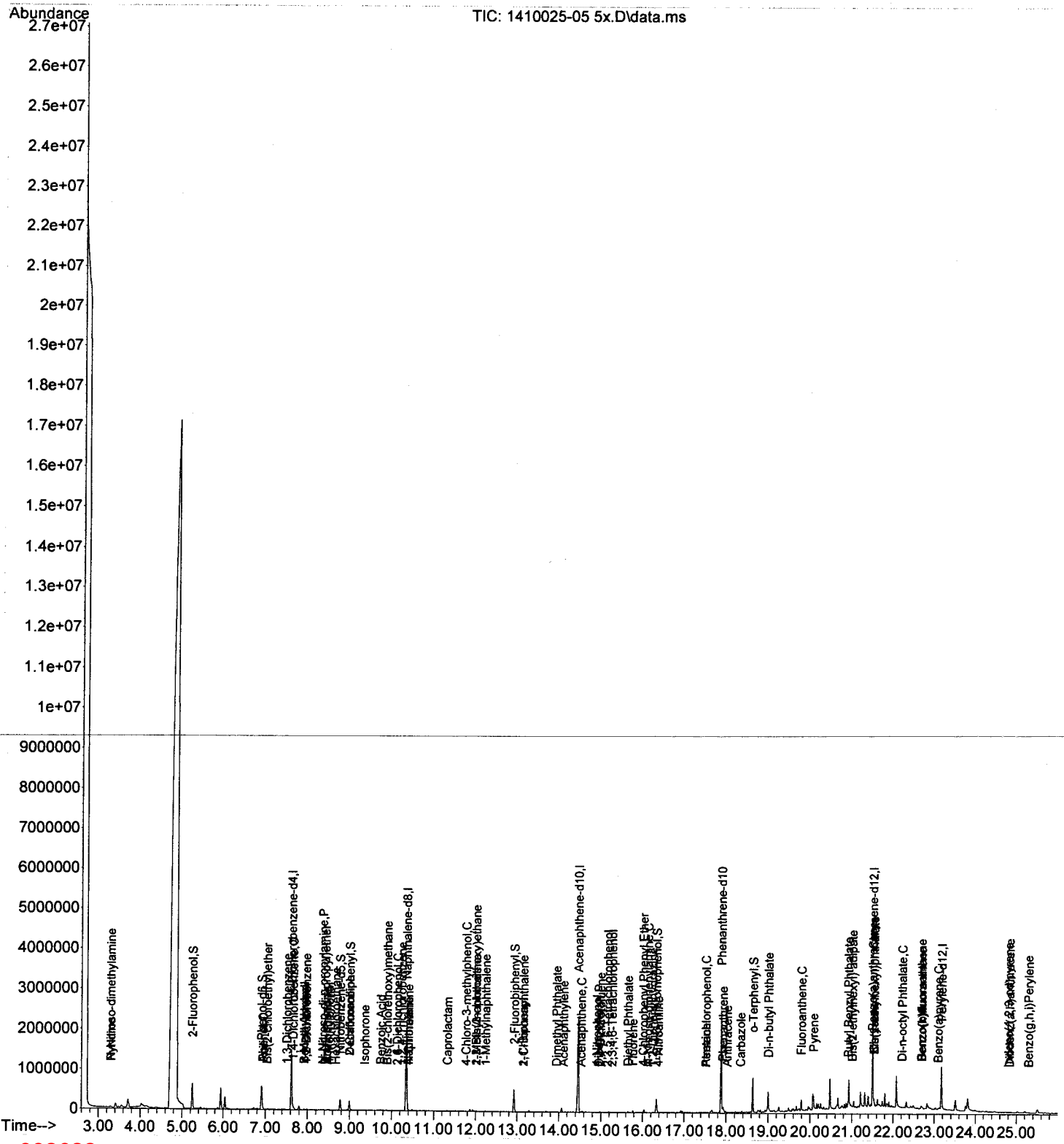
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	421606	7.617	403279	7.614	
Naphthalene-d8	1658635	10.351	1529030	10.359	
Acenaphthene-d10	911882	14.46	866604	14.474	
Phenanthrene-d10	1428496	17.881	1400442	17.901	
Chrysene-d12	1086593	21.501	1153654	21.538	
Perylene-d12	598624	23.174	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:08:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:08:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.617	152	421606	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.351	136	1658635	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.460	164	911882	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.881	188	1428496	5.00	ng/uL	0.00
81) Chrysene-d12	21.501	240	1086593	5.00	ng/uL	# 0.00
89) Perylene-d12	23.174	264	598624	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.245	112	296953	3.08	ng/uL	0.06
6) Phenol-d6	6.906	99	394465	3.16	ng/uL	-0.01
21) Nitrobenzene-d5	8.771	82	155767	1.47	ng/uL	-0.02
23) Decafluorobiphenyl	8.998	334	96451	1.30	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.927	172	302841	1.61	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.337	330	56595	2.61	ng/uL	-0.02
78) o-Terphenyl	18.639	230	204263	1.67	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.292	74	129	0.00	ng/uL#	1
3) Pyridine	3.298	79	436	0.00	ng/uL	98
5) Aniline	6.947	93	349	0.23	ng/uL#	1
7) Phenol	6.935	94	1479	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.034	93	515	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.506	146	402	0.00	ng/uL#	1
11) 1,4-Dichlorobenzene	7.652	146	655	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.961	146	281	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.421	45	255	0.00	ng/uL	95
14) Benzyl Alcohol	7.914	108	1891	0.03	ng/uL#	57
15) 2-Methylphenol	7.914	108	1891	0.02	ng/uL#	5
16) Acetophenone	8.462	105	2514	0.02	ng/uL#	85
17) Hexachloroethane	8.660	119	424	0.01	ng/uL#	3
18) 4-Methylphenol	8.503	108	375	0.00	ng/uL#	56
19) N-Nitroso-di-n-propyla...	8.357	70	533	0.01	ng/uL	89
22) Nitrobenzene	8.771	77	1024	0.01	ng/uL#	1
24) Isophorone	9.360	82	632	0.00	ng/uL#	58
25) 2-Chloroaniline	8.993	127	1265	0.01	ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	9.890	93	64	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	10.135	162	130	0.00	ng/uL#	26
30) Benzoic Acid	9.739	105	10607	2.57	ng/uL	87
31) 1,2,4-Trichlorobenzene	10.234	180	238	0.00	ng/uL#	50
32) Naphthalene	10.397	128	7610	0.02	ng/uL#	94
33) 4-Chloroaniline	10.397	127	805	0.01	ng/uL	93
34) 2,6-Dichlorophenol	10.135	162	130	0.00	ng/uL#	15
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.324	55	5050	0.11	ng/uL#	41
37) 1,2-Bis(2-chloroethoxy...	12.006	63	388	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.767	107	272	0.00	ng/uL#	1
39) 2-Methylnaphthalene	12.012	142	5943	0.03	ng/uL	95
40) 1-Methylnaphthalene	12.239	142	4870	0.03	ng/uL	97
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:08:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.148	162	95	0.00 ng/uL#	75
49) 1,1'-Biphenyl	13.143	154	2006	0.01 ng/uL#	87
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.110	152	1498	0.01 ng/uL#	74
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.941	163	596	0.00 ng/uL#	1
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.530	153	1754	0.01 ng/uL	88
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.949	168	3567	0.01 ng/uL	91
58) 4-Nitrophenol	14.903	65	139	0.00 ng/uL#	1
59) 2,4-Dinitrotoluene	14.984	165	80	0.00 ng/uL#	1
60) 2,3,5,6-Tetrachlorophenol	15.153	232	121	0.00 ng/uL#	38
61) 2,3,4,6-Tetrachlorophenol	15.270	232	68	0.00 ng/uL#	68
62) Fluorene	15.765	166	2410	0.01 ng/uL#	71
63) Diethyl Phthalate	15.649	149	8181	0.04 ng/uL	94
64) 4-Chlorophenyl Phenyl ...	16.016	204	237	0.00 ng/uL#	1
65) 4-Nitroaniline	16.377	138	129	0.00 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.127	169	1127	0.01 ng/uL#	40
69) 1,2-Diphenylhydrazine	16.238	182	864	0.02 ng/uL#	59
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.514	200	211	0.00 ng/uL#	25
74) Pentachlorophenol	17.520	266	1479	0.05 ng/uL#	73
75) Phenanthrene	17.922	178	74258	0.27 ng/uL	98
76) Anthracene	18.021	178	6843	0.03 ng/uL#	79
77) Carbazole	18.342	167	5087	0.02 ng/uL#	94
79) Di-n-butyl Phthalate	19.012	149	9848m	0.04 ng/uL	
80) Fluoroanthene	19.793	202	95014	0.36 ng/uL	99
82) Pyrene	20.084	202	104656	0.41 ng/uL#	85
83) Butyl Benzyl Phthalate	20.912	149	3384m	0.03 ng/uL	
84) Bis(2-ethylhexyl) adipate	21.011	129	2011	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.489	228	38382	0.19 ng/uL#	78
86) Chrysene	21.530	228	53922	0.28 ng/uL	93
87) Bis(2-ethylhexyl)phtha...	21.536	149	22586	0.17 ng/uL#	86
88) Di-n-octyl Phthalate	22.212	149	6797m	0.37 ng/uL	
90) Benzo(b)fluoroanthene	22.684	252	41289m	0.38 ng/uL	
91) Benzo(k)fluoranthene	22.696	252	22465m	0.18 ng/uL	
92) Benzo(a)pyrene	23.092	252	20444	0.20 ng/uL#	88
93) Indeno(1,2,3-cd)pyrene	24.800	276	11093	0.13 ng/uL#	78
94) Dibdenz(a,h)anthracene	24.829	278	4495	0.06 ng/uL	99
95) Benzo(g,h,i)Perylene	25.289	276	9235	0.12 ng/uL#	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 07:53:12 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

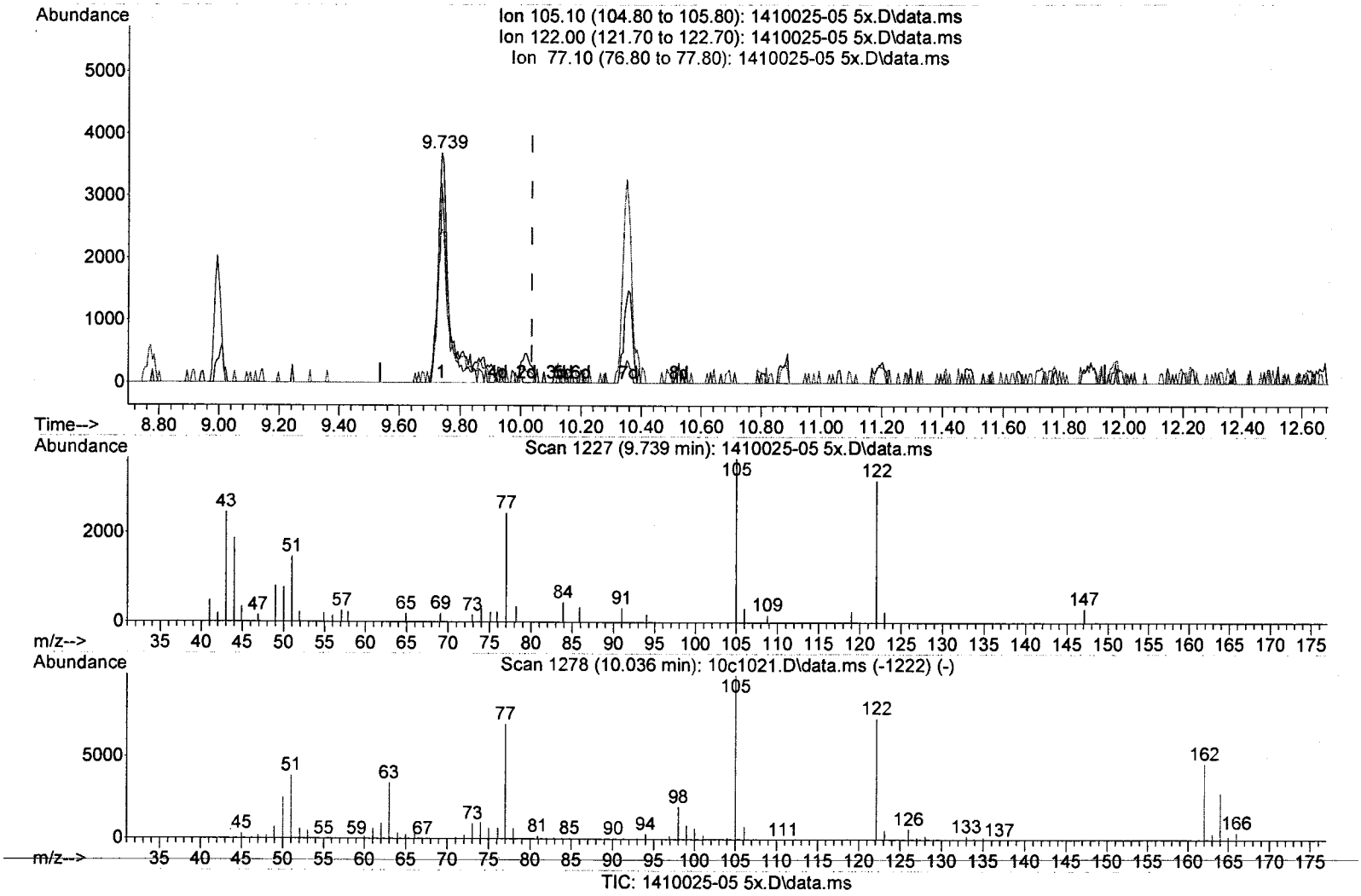
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.617	152	418125	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.351	136	1658635	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.460	164	909901	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.881	188	1431079	5.00	ng/uL		0.00
19) Chrysene-d12	21.501	240	1086593	5.00	ng/uL	#	0.00
22) Perylene-d12	23.174	264	600468	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.292	74	129	0.00	ng/uL	#	1
3) Pyridine	3.298	79	436	0.00	ng/uL		98
4) Aniline	6.947	93	349	0.00	ng/uL	#	1
5) Benzaldehyde	6.772	105	3070	0.03	ng/uL	#	1
6) Acetophenone	8.462	105	2514	0.02	ng/uL	#	85
7) N-Nitroso-di-n-propyla...	8.357	70	533	0.01	ng/uL		89
9) 4-Chloroaniline	0.000		0	N.D.			
10) Caprolactam	11.324	55	1551	0.12	ng/uL	#	37
12) 1,1'-Biphenyl	13.143	154	2006	0.01	ng/uL	#	87
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	16.377	138	129	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.127	169	1127	0.01	ng/uL	#	40
18) Atrazine	17.514	200	211	Below Cal		#	25
20) Benzidine	20.020	184	2608	0.43	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.489	252	426	0.01	ng/uL		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.739min (-0.297) 2.57 ng/uL

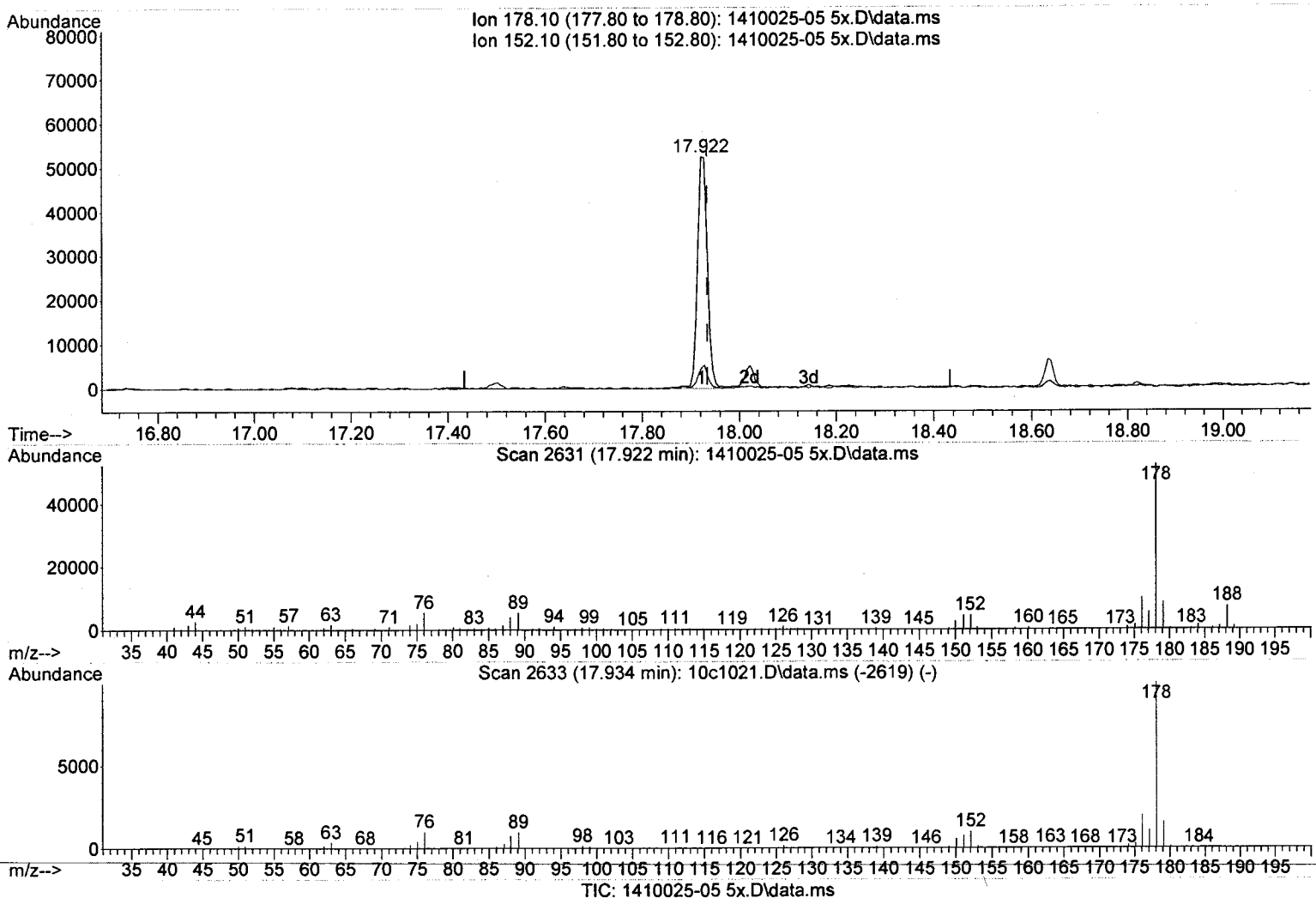
response 10607

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	65.74
77.10	74.70	66.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-05 5x.D\data.ms

(75) Phenanthrene

17.922min (-0.012) 0.27 ng/uL

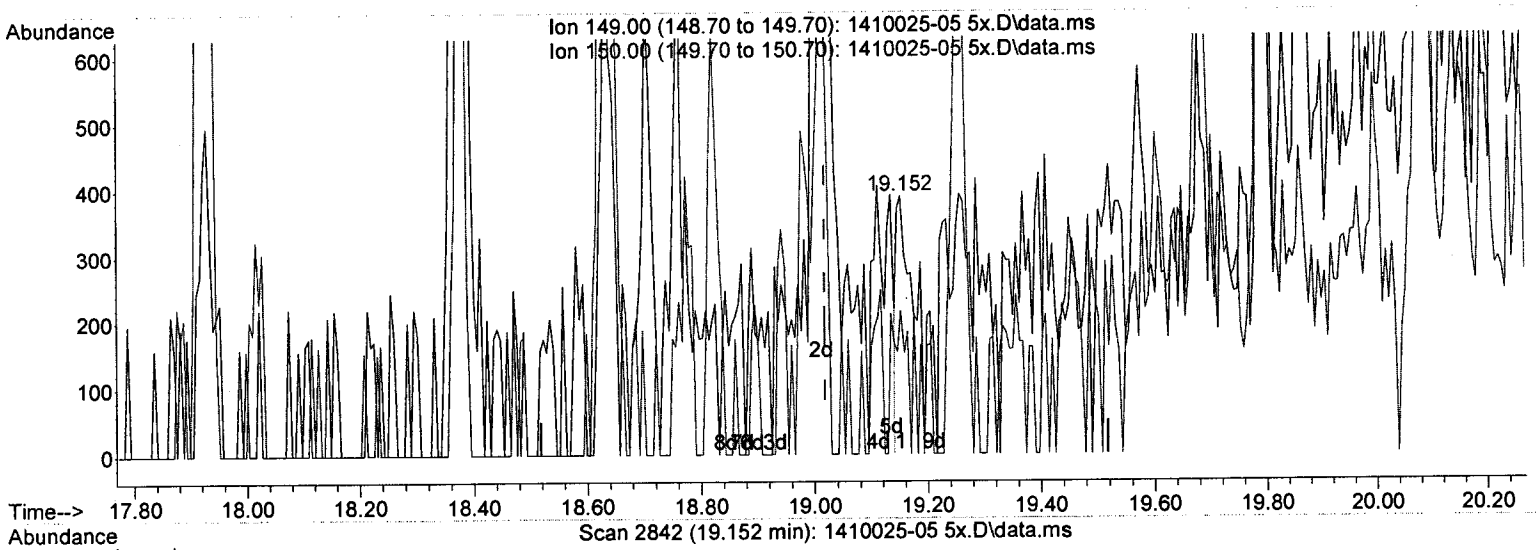
response 74258

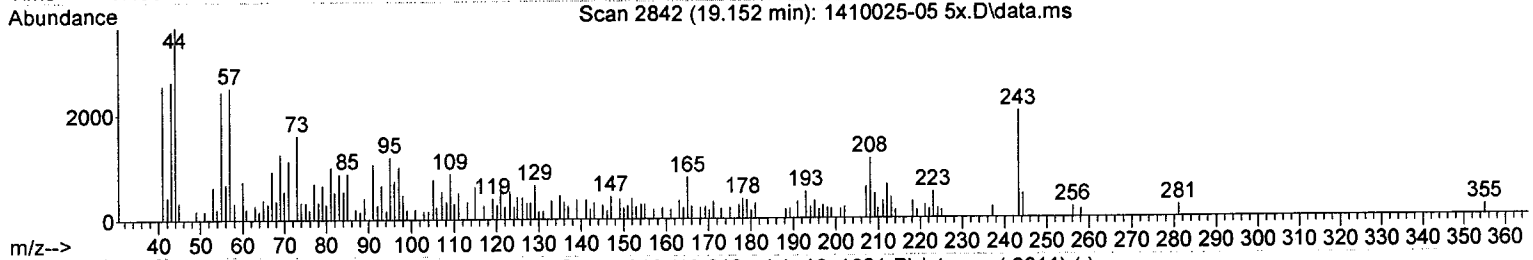
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	9.51
0.00	0.00	0.00
0.00	0.00	0.00

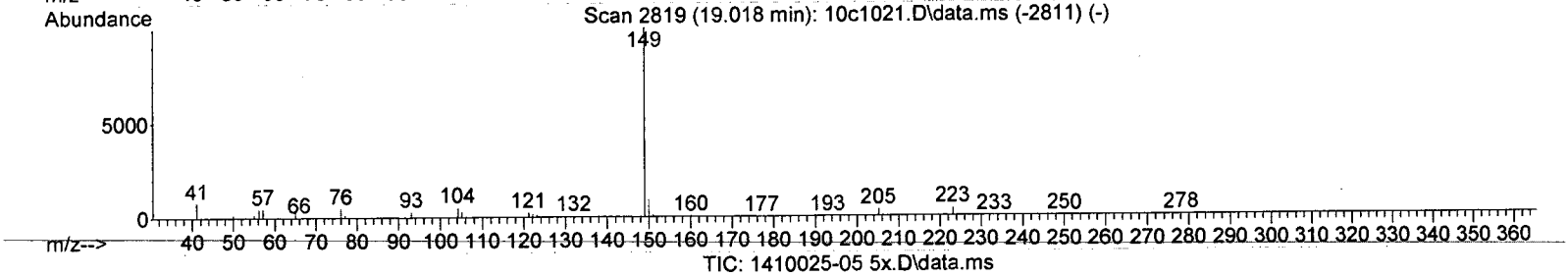
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410025-05 5x.D\data.ms

(79) Di-n-butyl Phthalate

19.152min (+ 0.134) 0.00 ng/uL

response 803

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	8.97
0.00	0.00	0.00
0.00	0.00	0.00

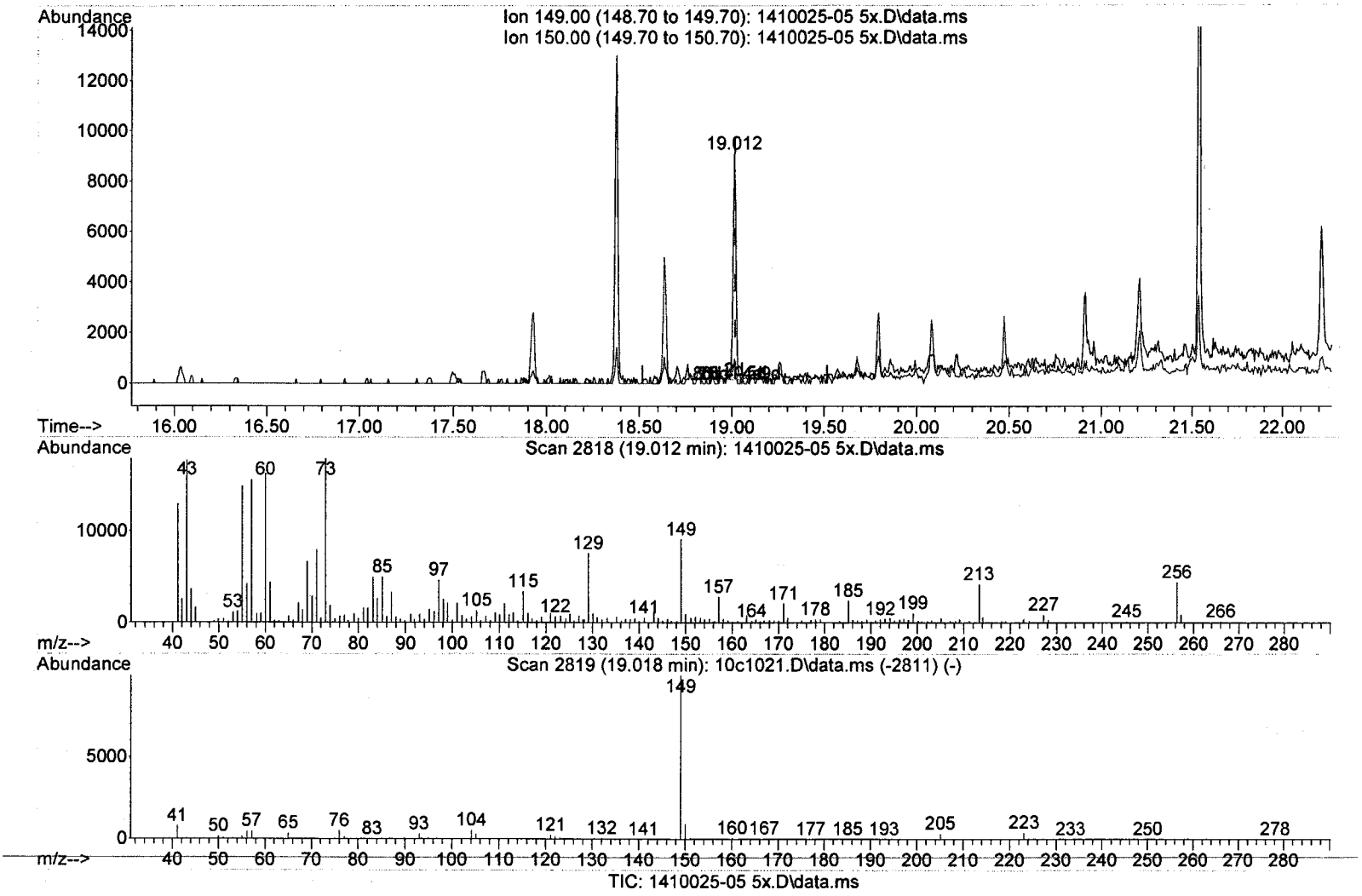
JLB 10/22/14

DW 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-05 5x.D\data.ms

(79) Di-n-butyl Phthalate

19.012min (-0.006) 0.04 ng/uL m

response 9848

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	0.73#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

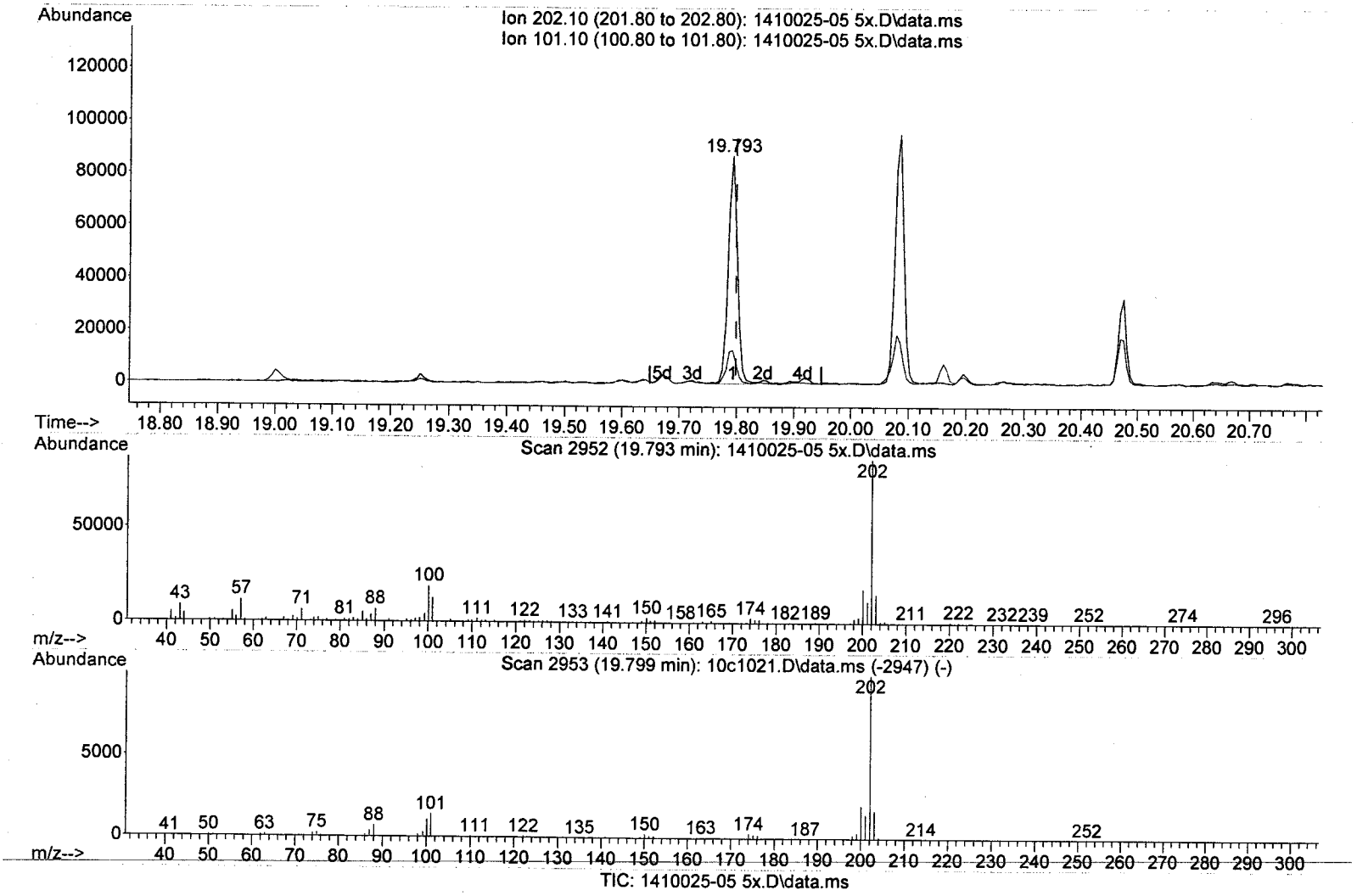
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/22/14
Reviewed By: DW Date: 10-22-14

LMDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-05 5x.D\data.ms

(80) Fluoroanthene (C)

19.793min (-0.006) 0.36 ng/uL

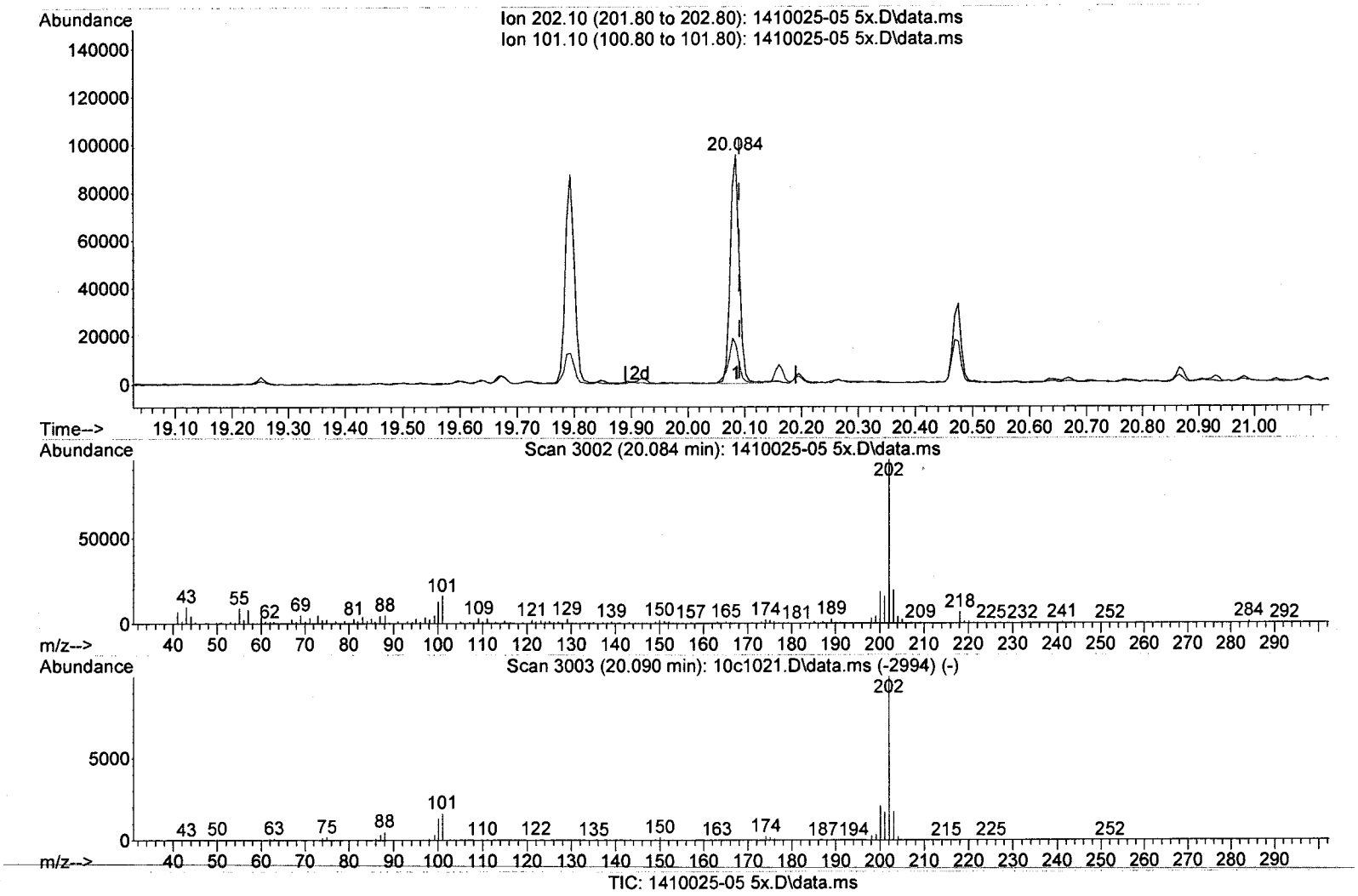
response 95014

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	16.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-05 5x.D\data.ms

(82) Pyrene

20.084min (-0.006) 0.41 ng/uL

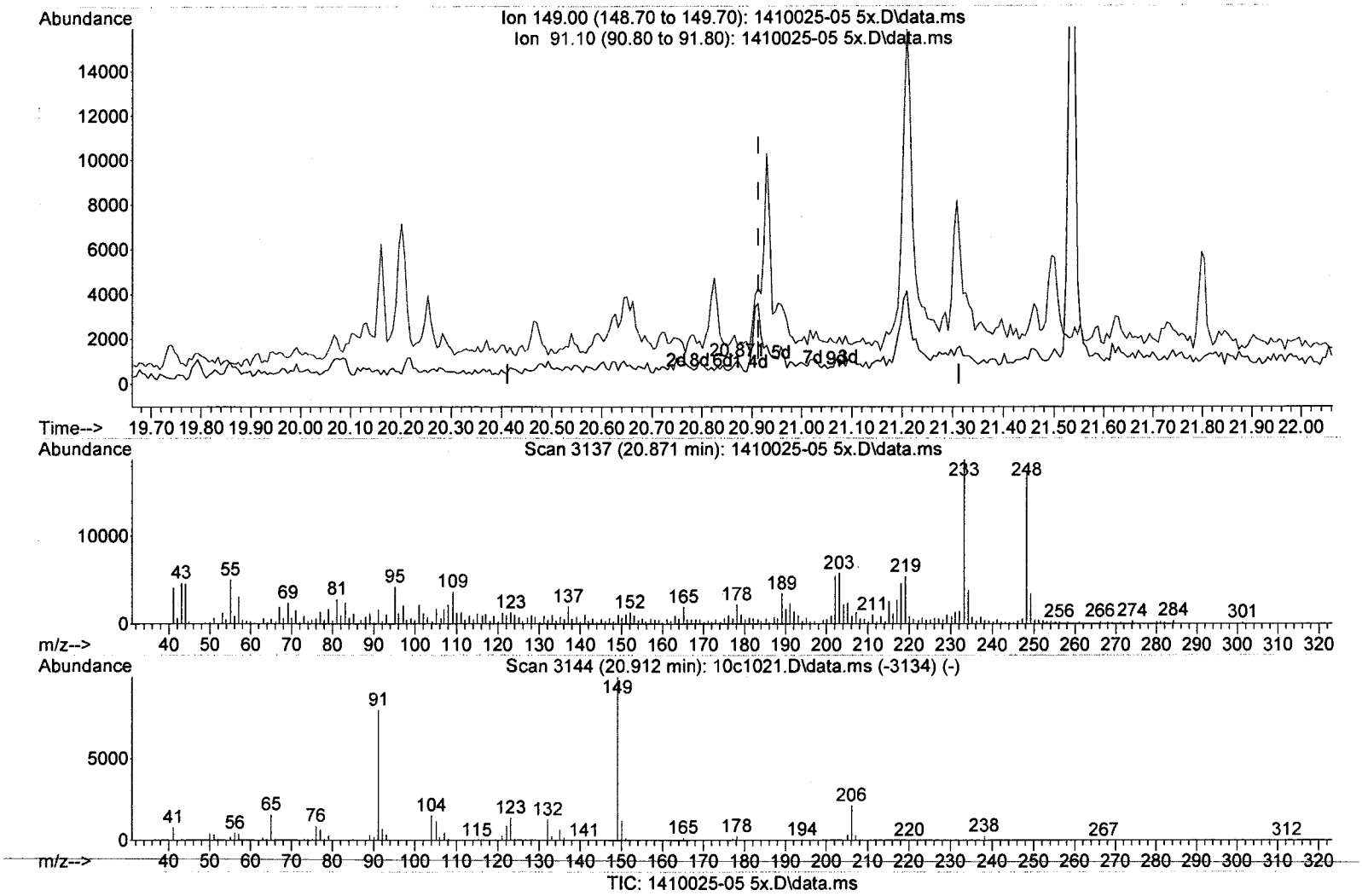
response 104656

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	22.31#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-05 5x.D\data.ms

(83) Butyl Benzyl Phthalate

20.871min (-0.041) 0.00 ng/uL

response 498

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	70.48
0.00	0.00	0.00
0.00	0.00	0.00

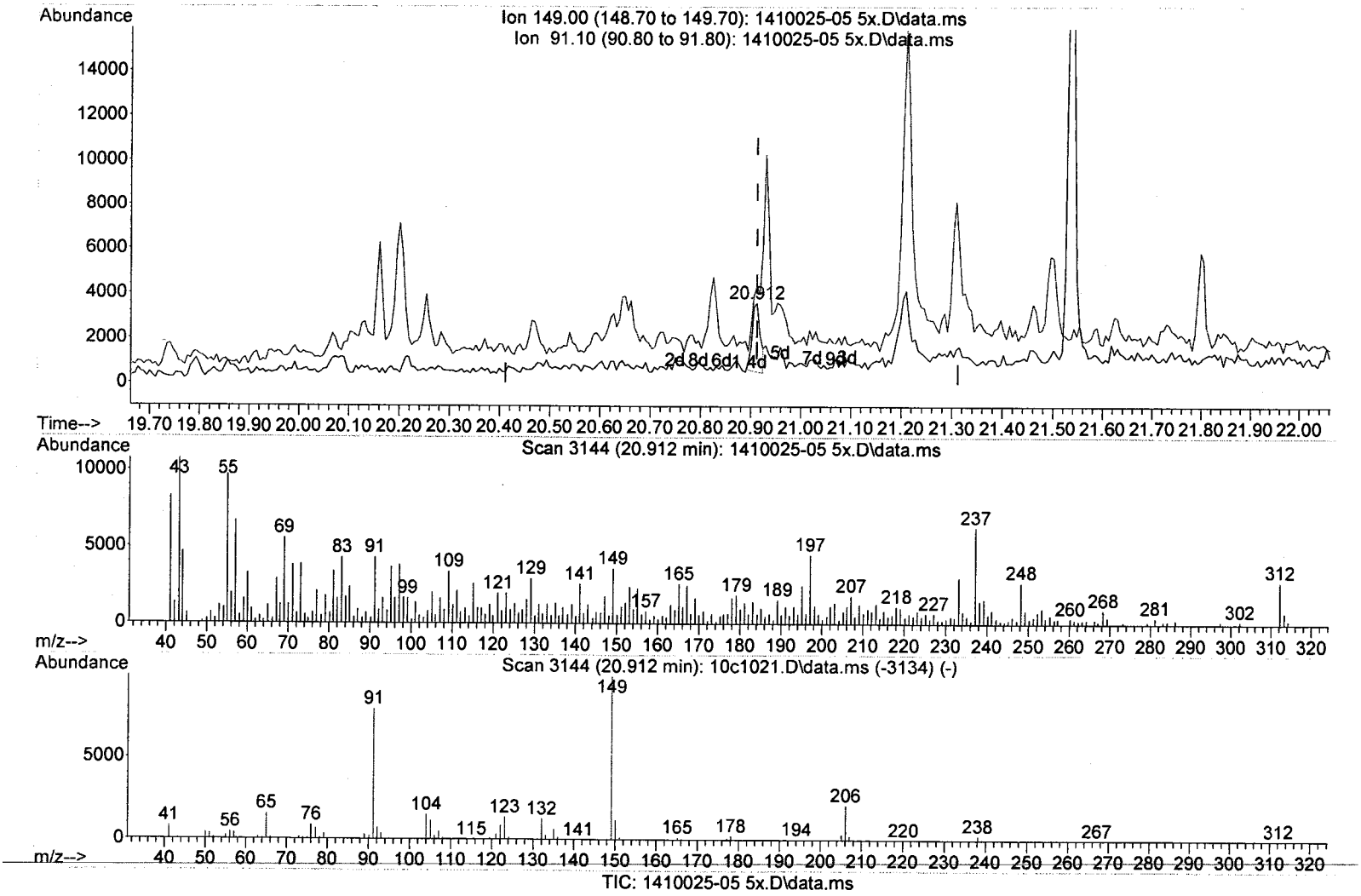
10/22/14

10.22.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-05 5x.D\data.ms

(83) Butyl Benzyl Phthalate

20.912min (0.000) 0.03 ng/uL m

response 3384

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	10.37#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/22/14

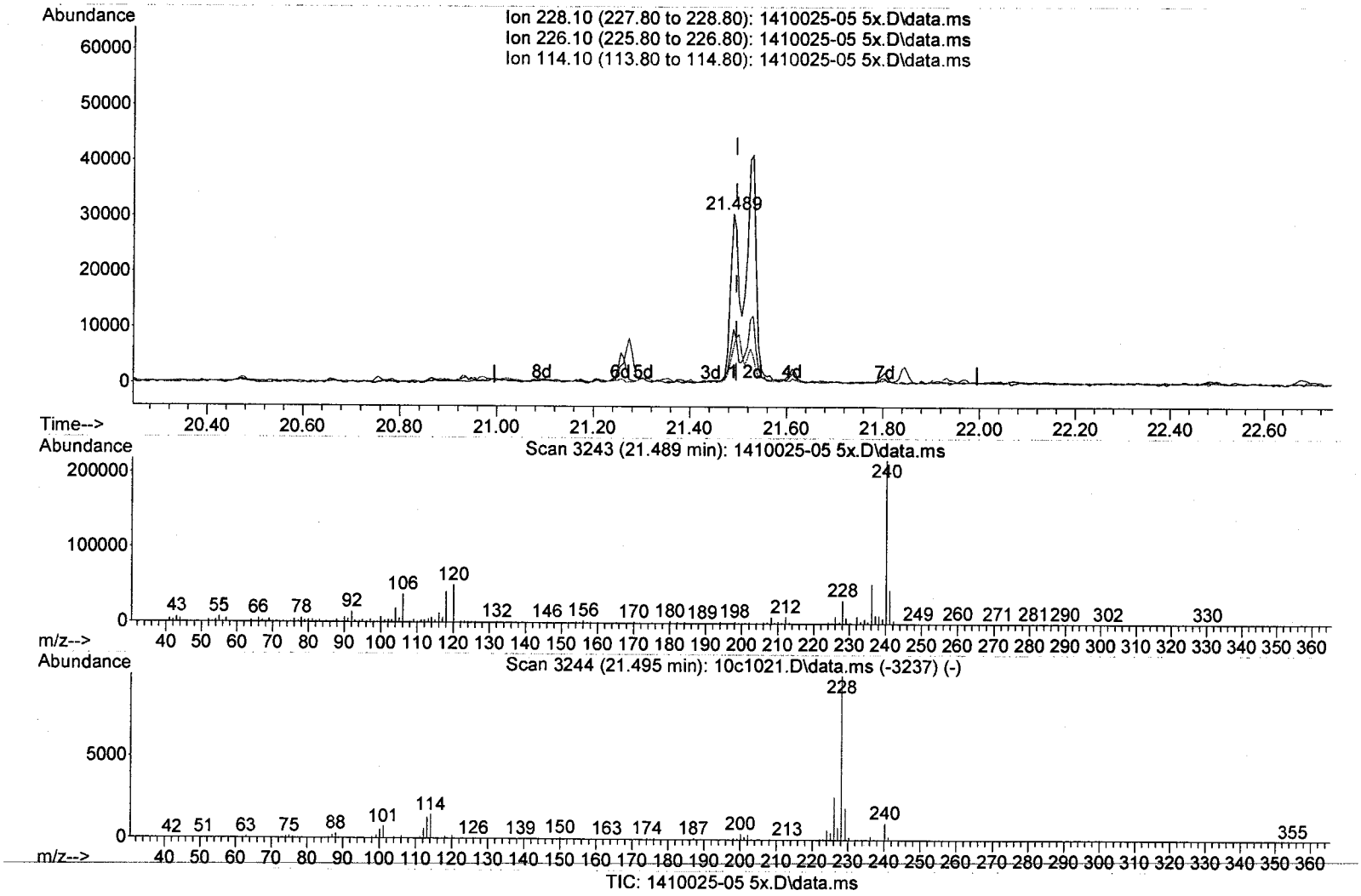
Reviewed By: DM Date: 10-22-14

< MDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-05 5x.D\data.ms

(85) Benzo(a)anthracene

21.489min (-0.006) 0.19 ng/uL

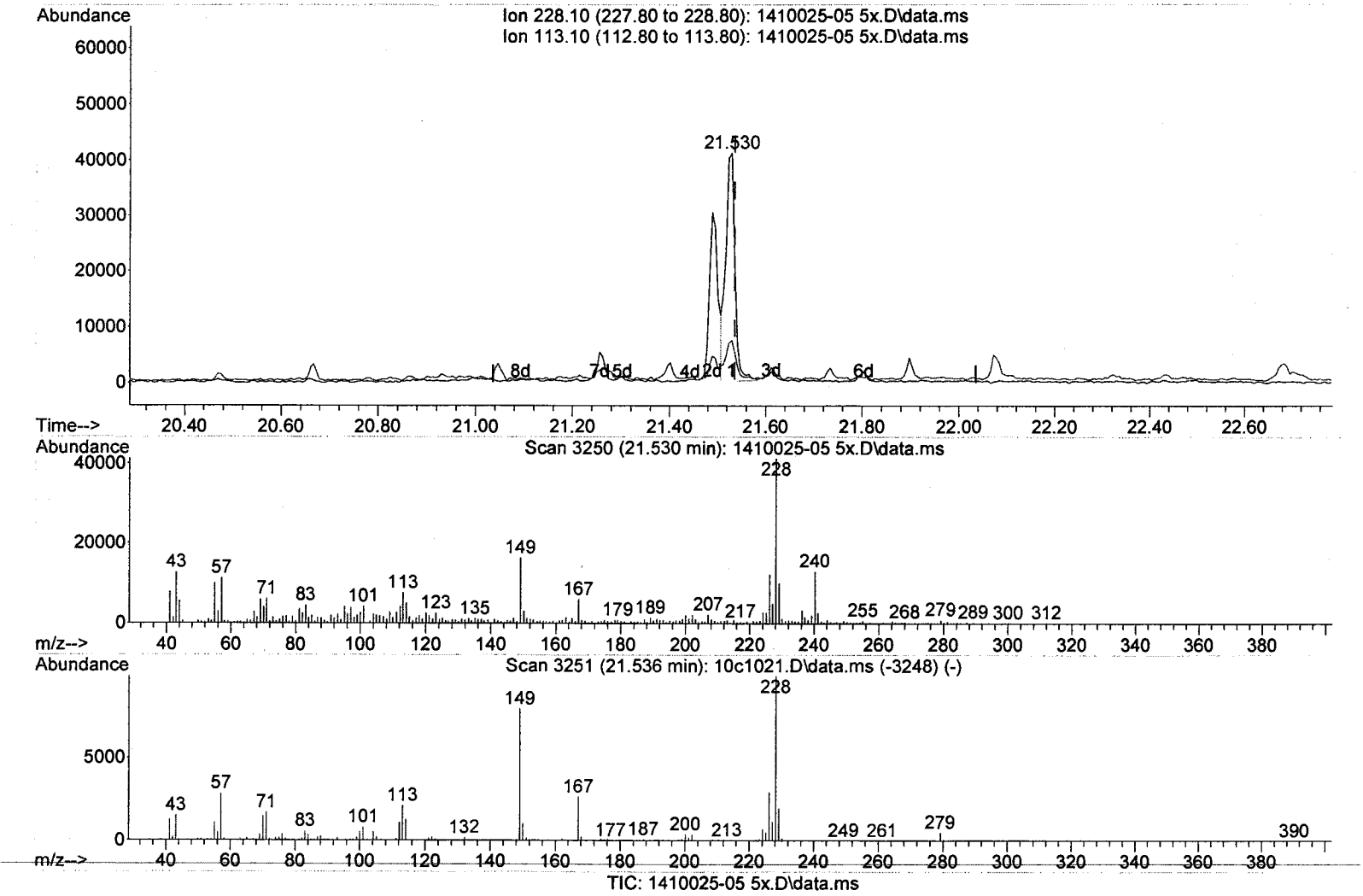
response 38382

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	29.80
114.10	13.30	33.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-05 5x.D\data.ms

(86) Chrysene

21.530min (-0.006) 0.28 ng/uL

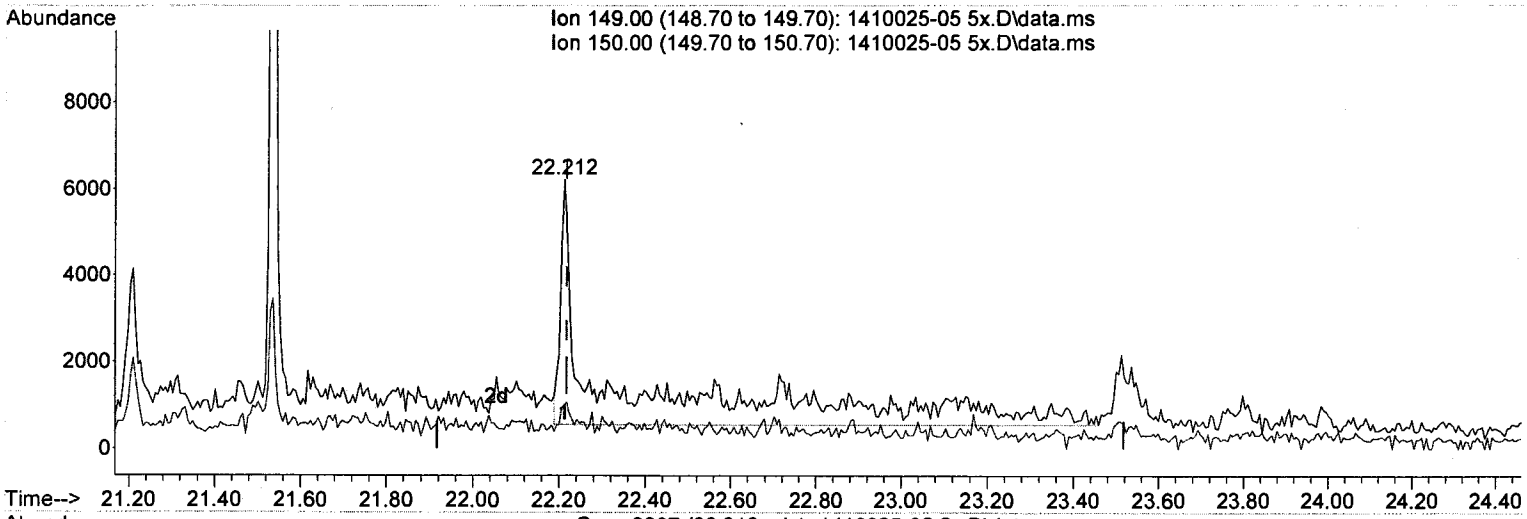
response 53922

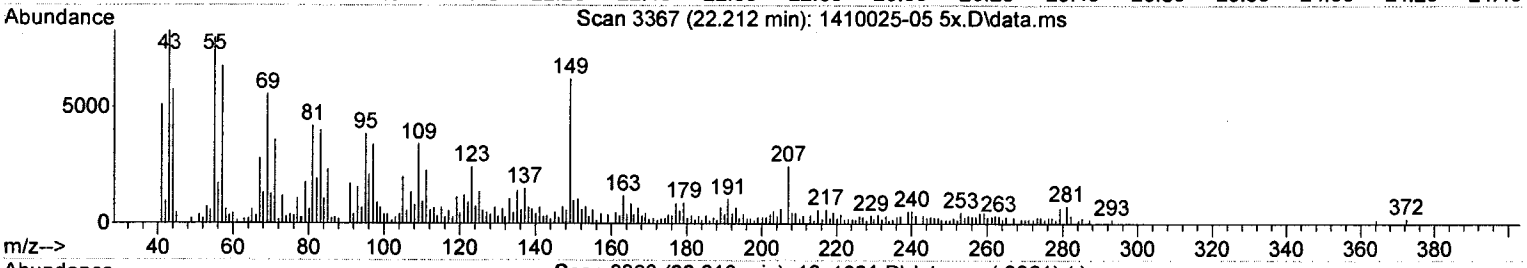
Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	18.87
0.00	0.00	0.00
0.00	0.00	0.00

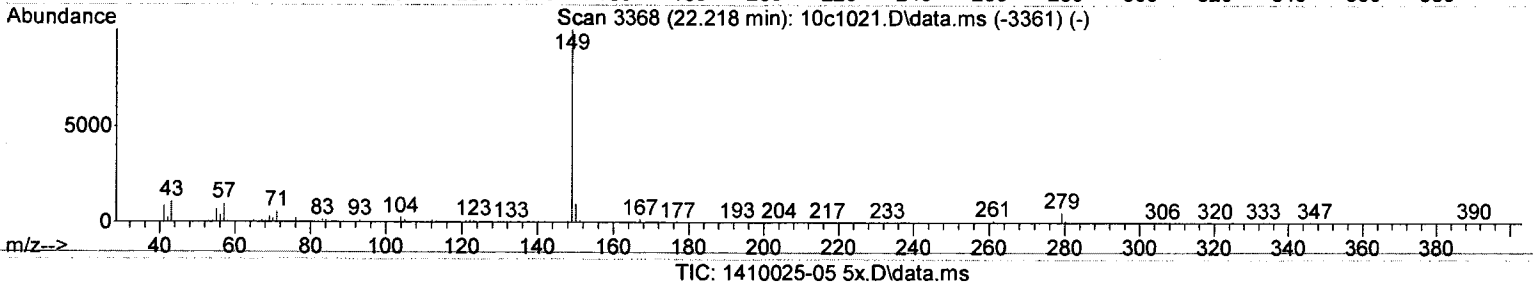
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410025-05 5x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.53 ng/uL

response 44417

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	2.32#
0.00	0.00	0.00
0.00	0.00	0.00

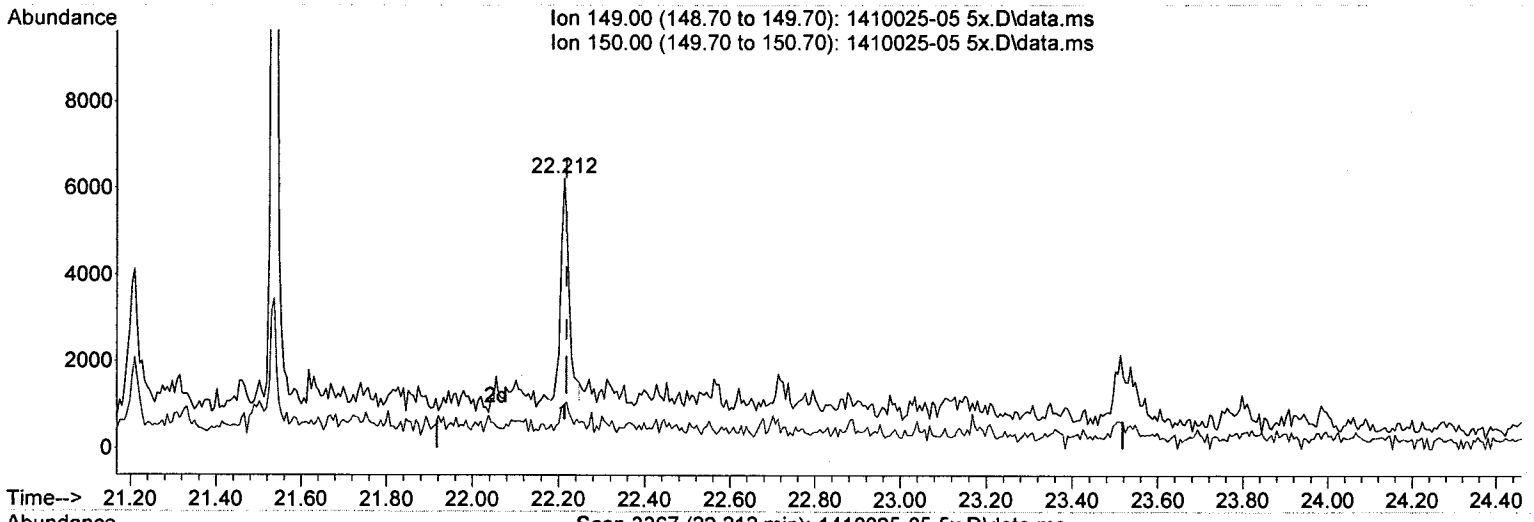
JLB 10/22/14

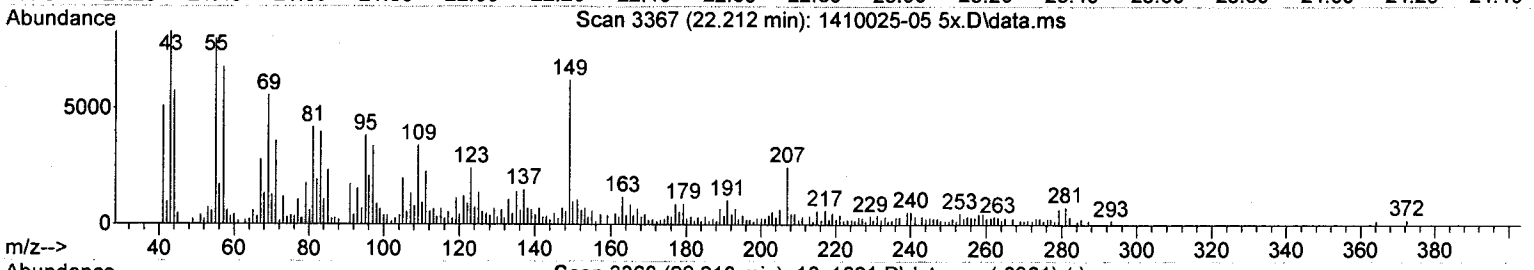
DWO 10-22-14

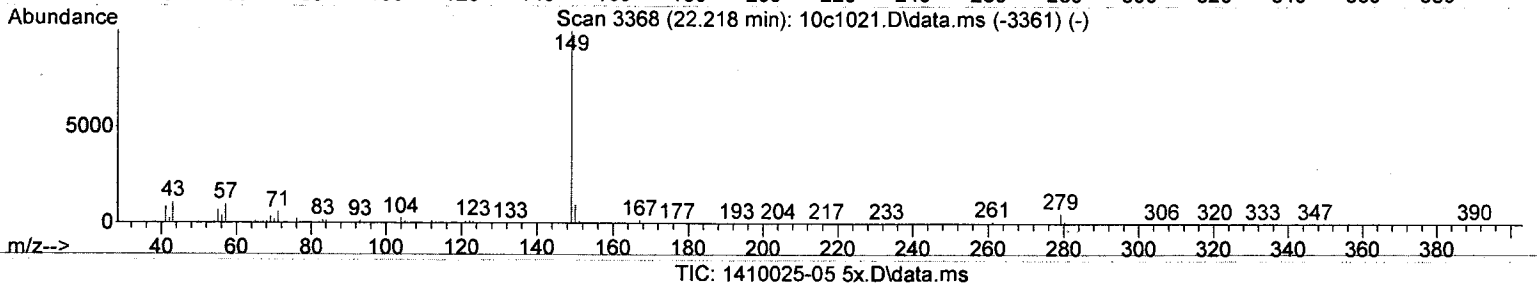
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410025-05 5x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.37 ng/uL m

response 6797

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	15.14#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

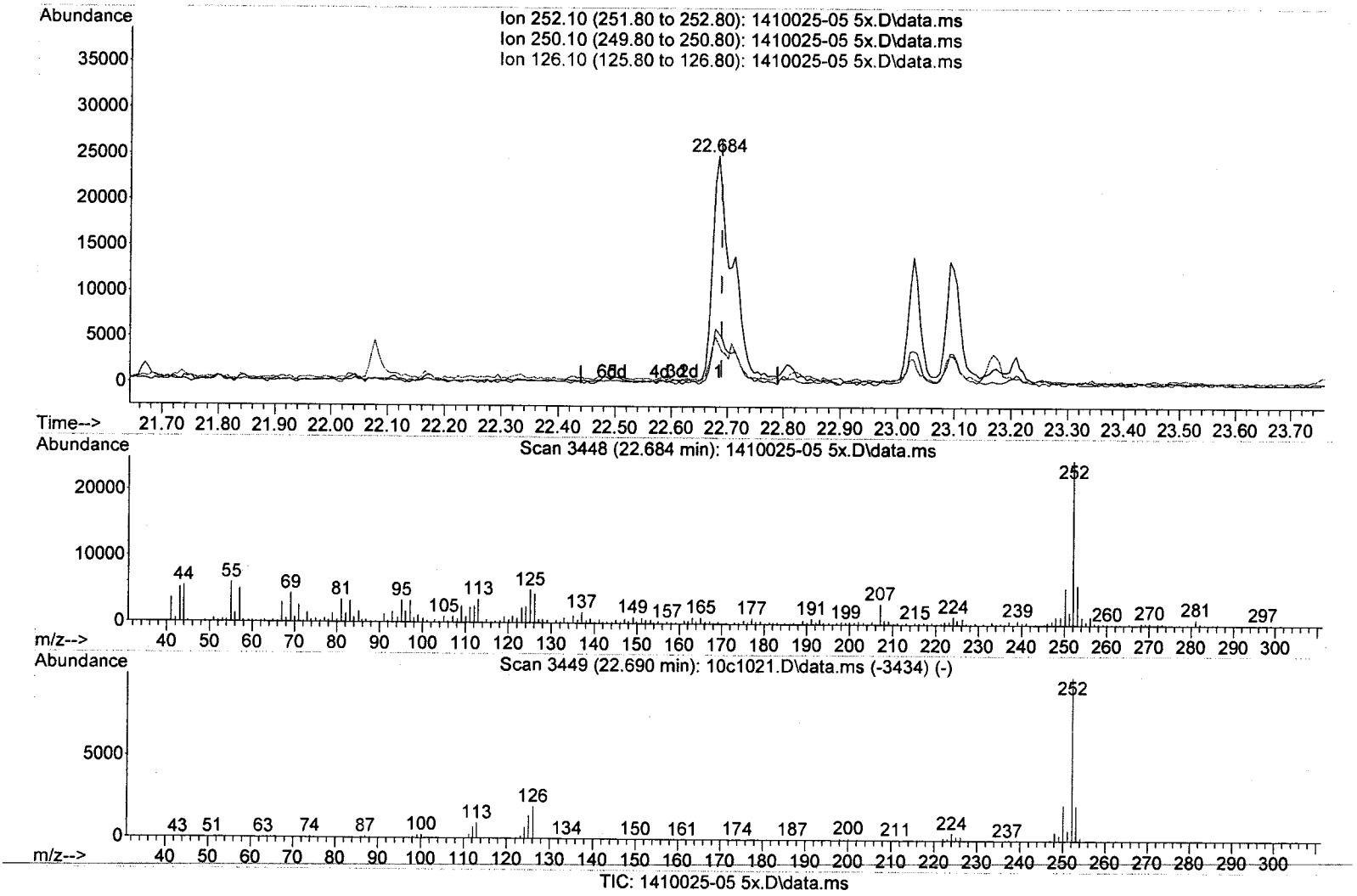
Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/22/14
Reviewed By: [signature] Date: 12-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.684min (-0.006) 0.55 ng/uL

response 59309

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	26.57
126.10	17.20	13.24#
0.00	0.00	0.00

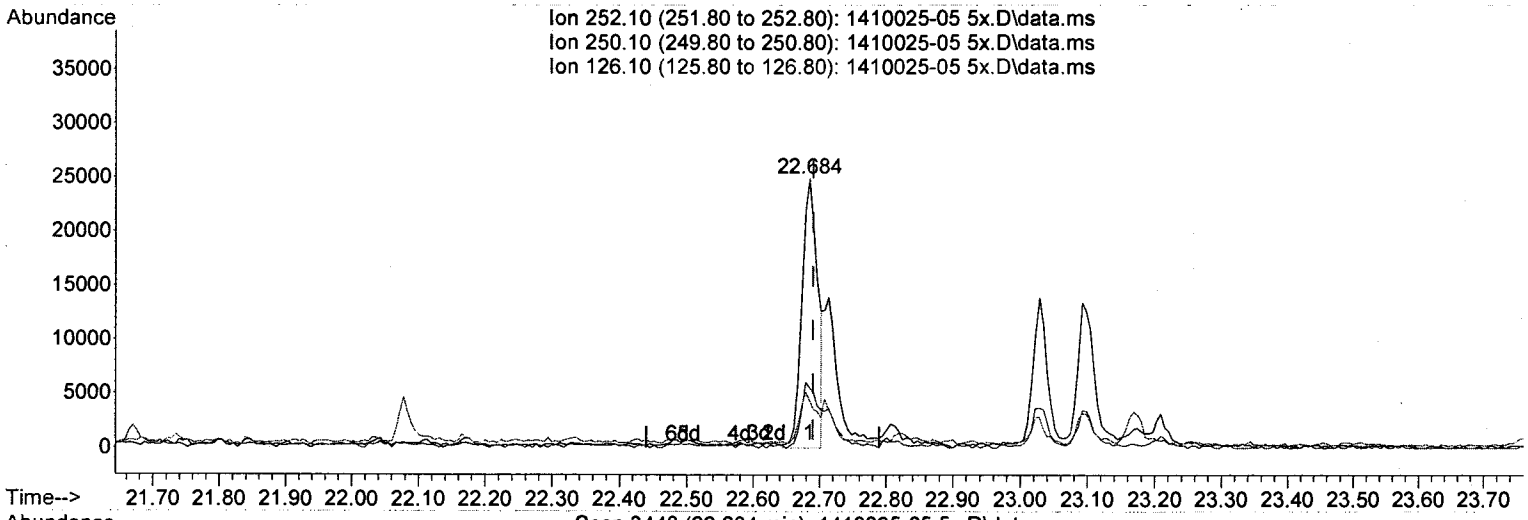
DWT 10-22-14

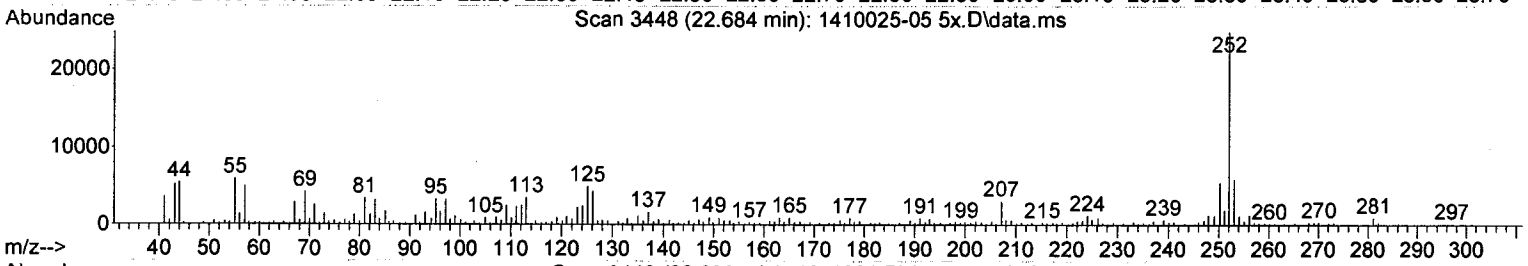
JWS 10/22/14

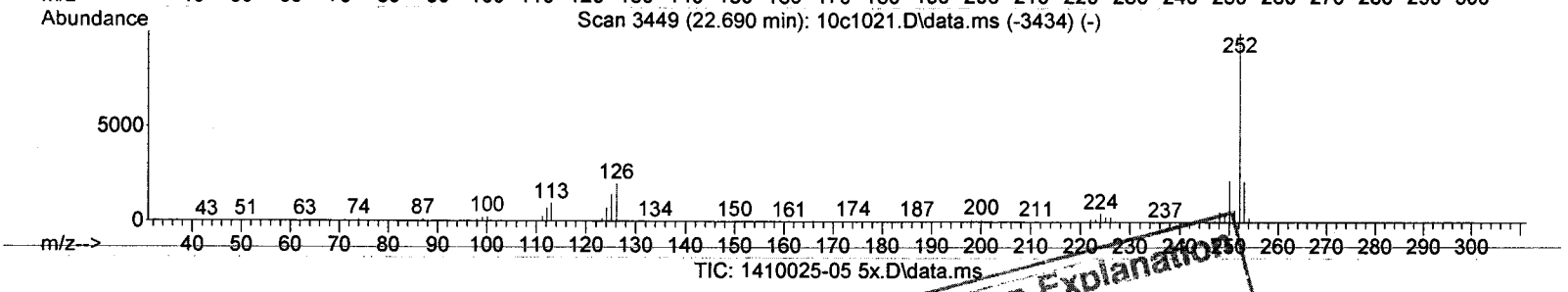
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







(90) Benzo(b)fluoroanthene

22.684min (-0.006) 0.38 ng/uL m

response 41289

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	38.17#
126.10	17.20	19.01
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software

Flagged on Quantitation Report: (Yes) / No

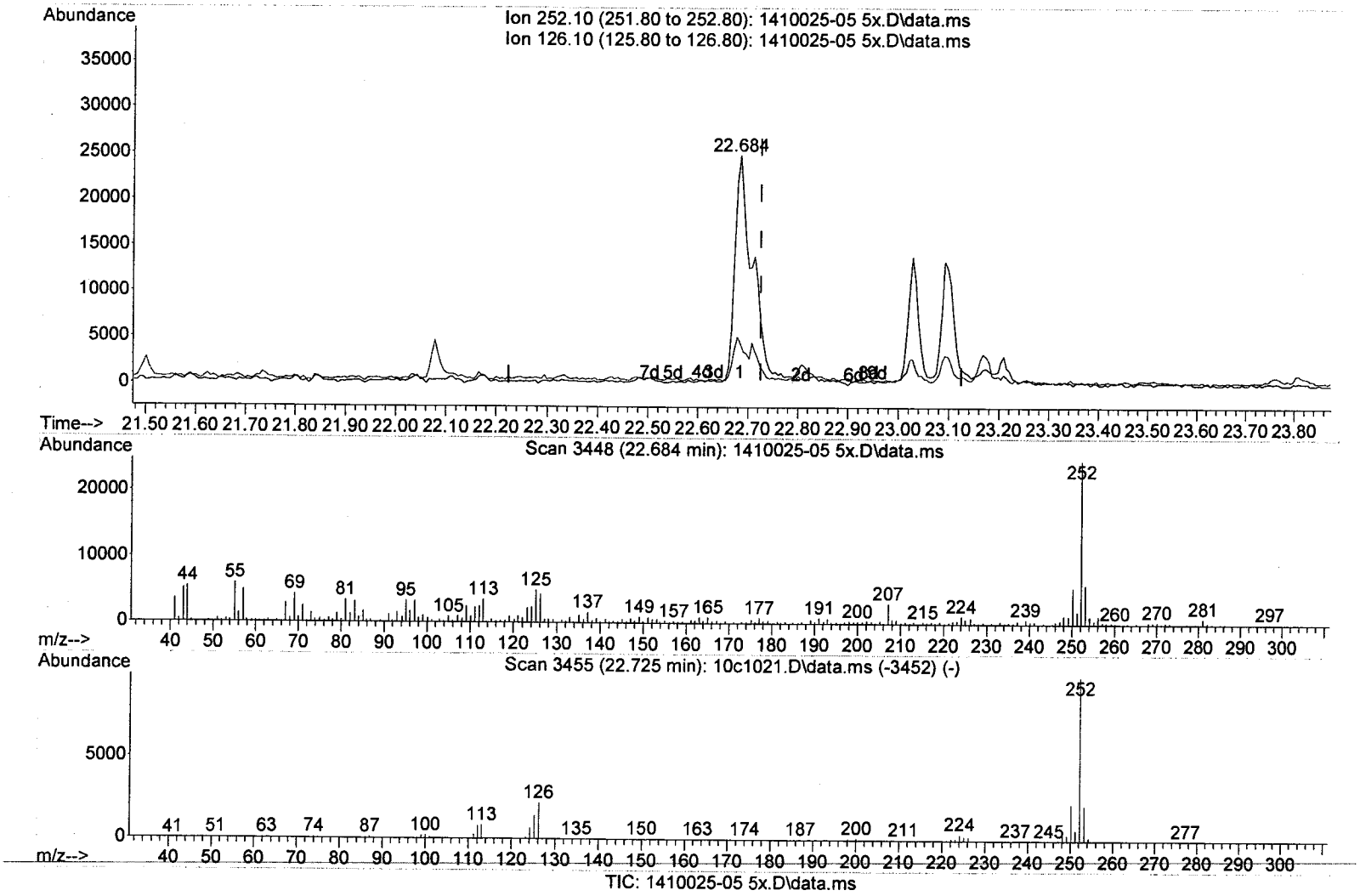
Analyst: JLB Date: 10/22/14

Reviewed By: DN Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.684min (-0.041) 0.49 ng/uL

response 60469

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	12.98#
0.00	0.00	0.00
0.00	0.00	0.00

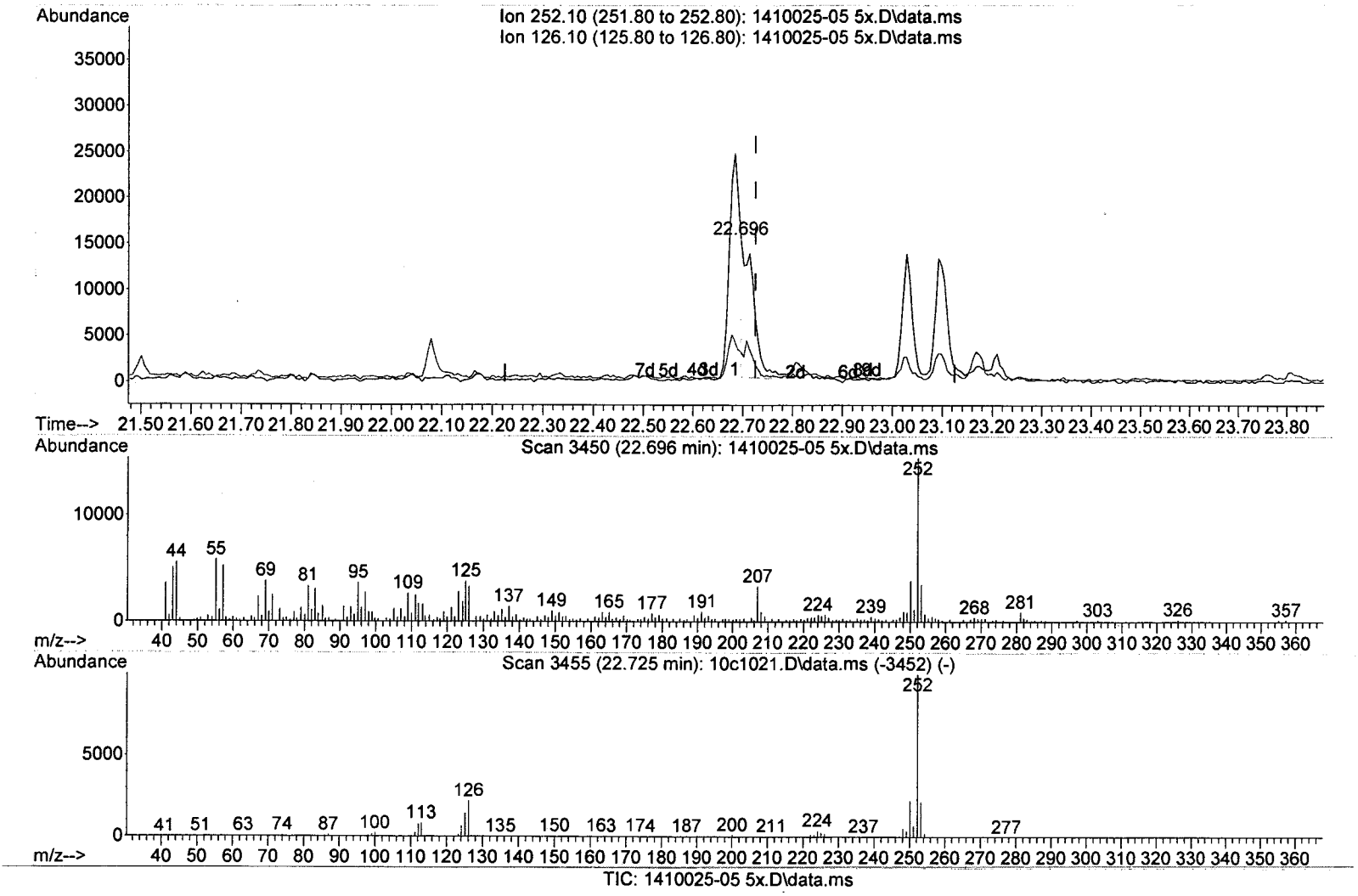
DWF 10-22-14

JLB 10/22/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-05 5x.D\data.ms

(91) Benzo(k)fluoranthene

22.696min (-0.029) 0.18 ng/uL m

response 22465

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	34.95#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

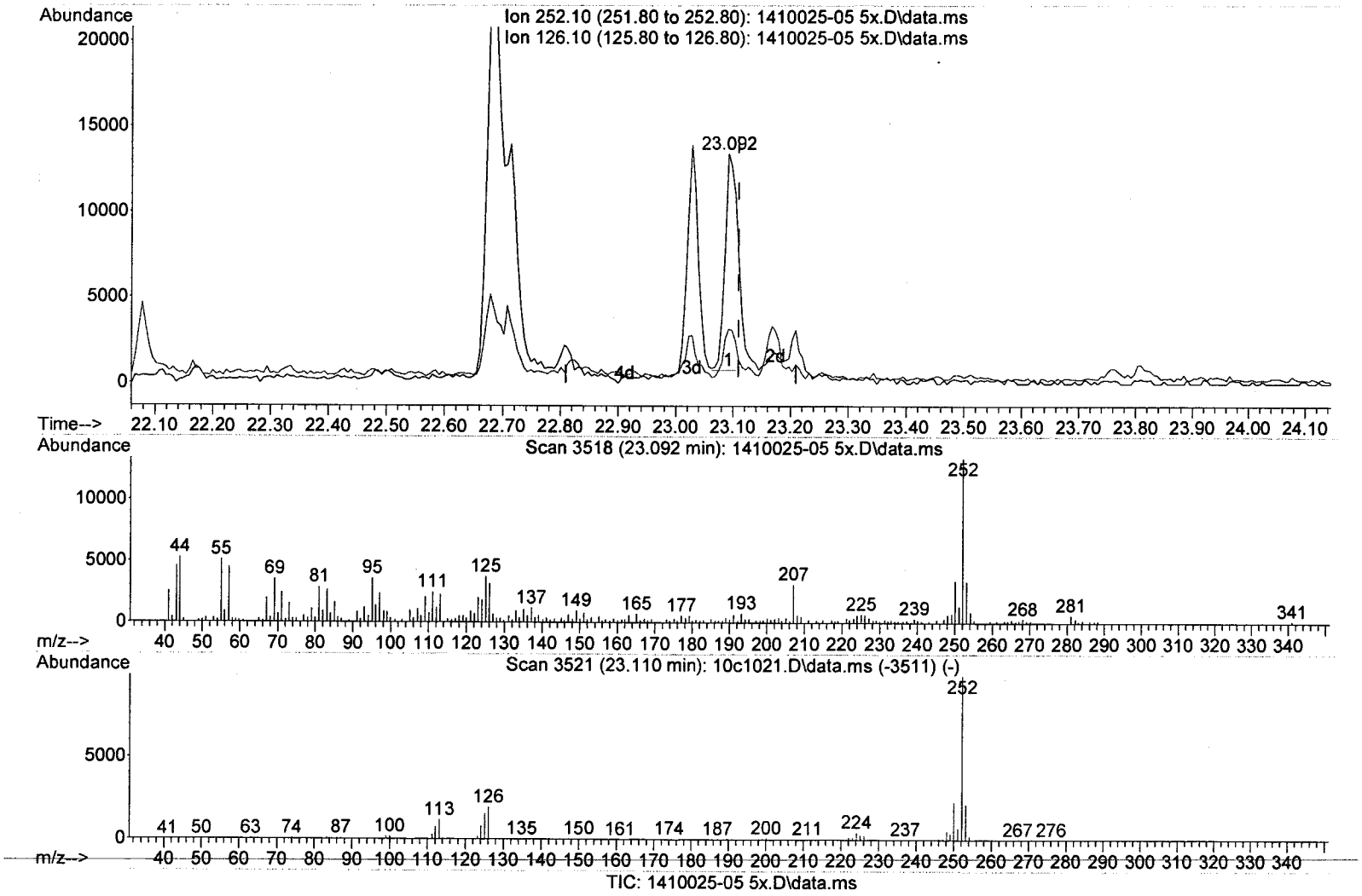
Analyst: JLB Date: 10/22/14

Reviewed By: DV Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-05 5x.D\data.ms

(92) Benzo(a)pyrene (C)

23.092min (-0.017) 0.20 ng/uL

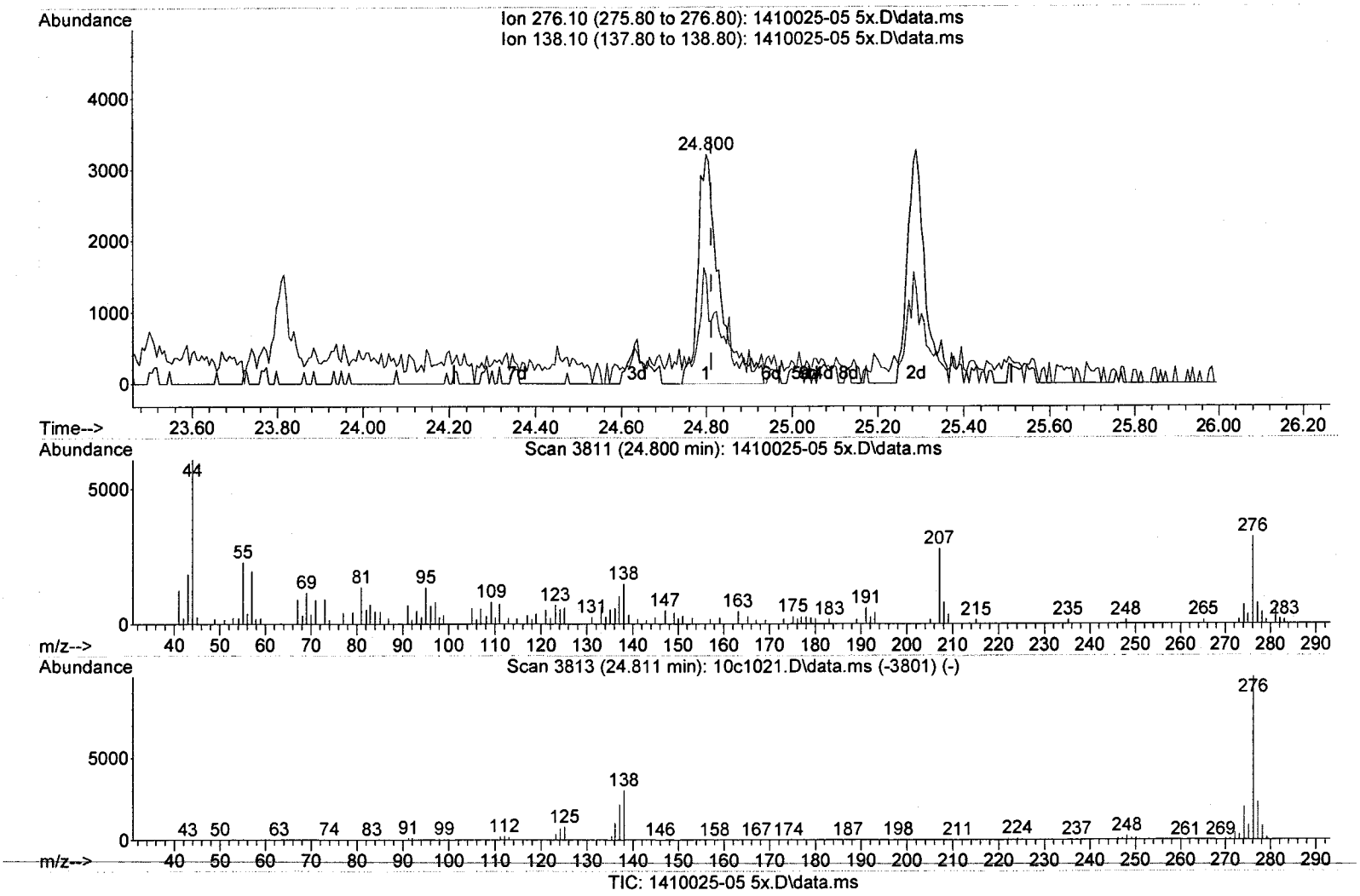
response 20444

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	24.82#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-05 5x.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.800min (-0.012) 0.13 ng/uL

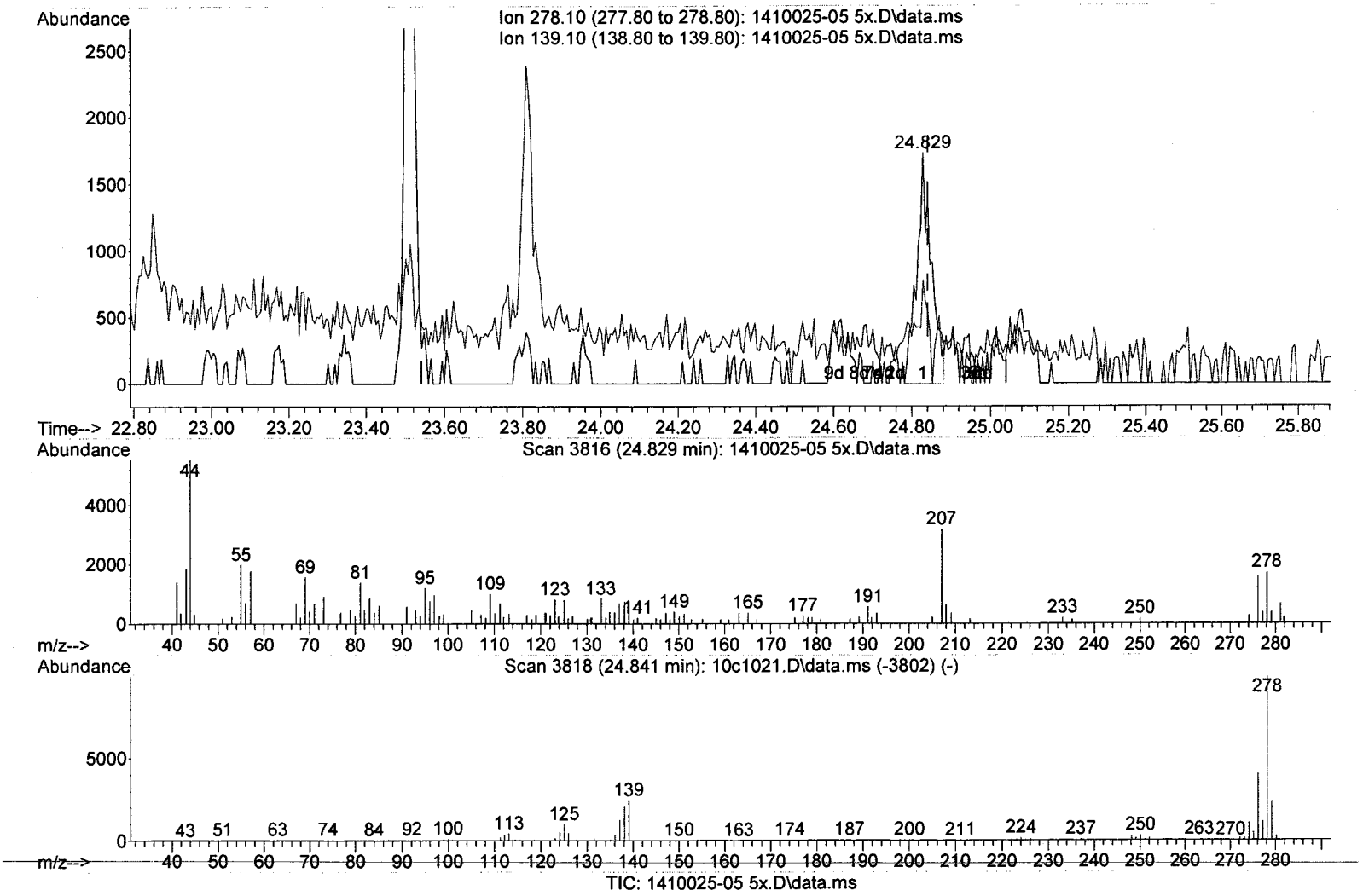
response 11093

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	17.12#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-05 5x.D\data.ms

(94) Dibdenz(a,h)anthracene

24.829min (-0.012) 0.06 ng/uL

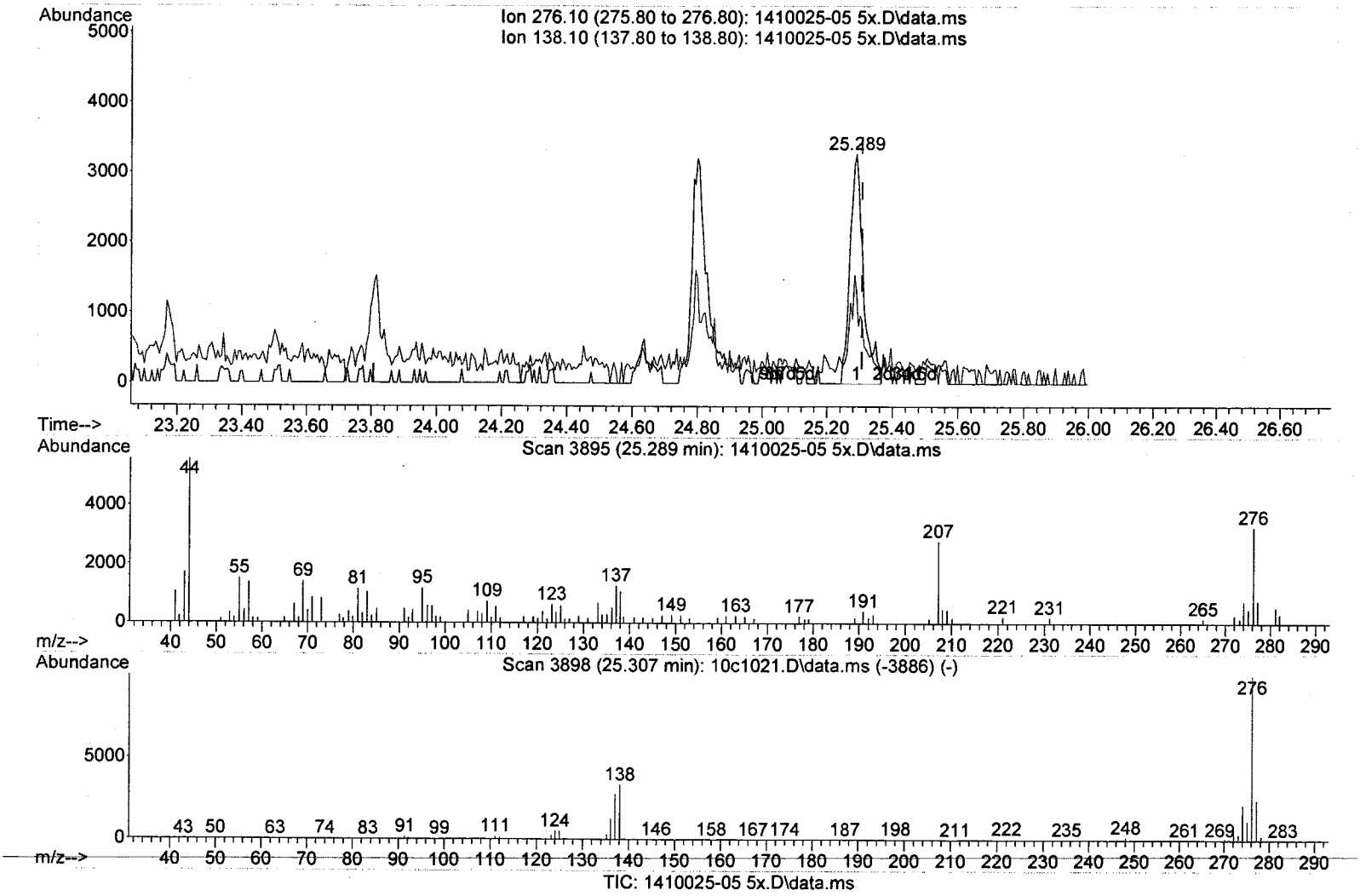
response 4495

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	17.84
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-05 5x.D
Acq On : 21 Oct 2014 16:35
Operator : JLB
Sample : 1410025-05 5x Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 08:05:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.289min (-0.017) 0.12 ng/uL

response 9235

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	41.73#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-06 File ID: 1410025-06.D

Sampled: 09/30/14 13:21 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 02:46

Solids: 97.76 Preparation: 3550C Sonication Extract Initial/Final: 29.2 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	4.2	2.8	8.5	17	J
50-32-8	Benzo(a)pyrene	1	6.7	2.4	8.5	17	J
205-99-2	Benzo(b)fluoranthene	1	9.8	2.0	8.5	17	J
207-08-9	Benzo(k)fluoranthene	1	4.9	2.0	8.5	17	J
191-24-2	Benzo(g,h,i)perylene	1	4.6	1.9	8.5	34	J
65-85-0	Benzoic Acid	1	87	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	69	4.1	17	34	
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	4.6	4.0	17	17	J
53-70-3	Dibenz(a,h)anthracene	1	3.9	2.0	8.5	34	J
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	8.4	5.0	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-06 File ID: 1410025-06.D

Sampled: 09/30/14 13:21 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 02:46

Solids: 97.76 Preparation: 3550C Sonication Extract Initial/Final: 29.2 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	14	4.0	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	730	12	17	34	
206-44-0	Fluoranthene	1	5.6	4.6	17	17	J
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	4.9	2.7	8.5	34	J
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	7.0	4.2	17	17	J
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	9.5	4.4	17	17	J
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	701	511	73	33 - 113	
Phenol-d6	701	599	86	30 - 115	
Nitrobenzene-d5	350	295	84	33 - 131	
2-Fluorobiphenyl	350	307	88	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-06
File ID: 1410025-06.D
Sampled: 09/30/14 13:21
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 02:46
Solids: 97.76
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	701	44.5	6	12 - 124	*
o-Terphenyl	350	311	89	20 - 155	

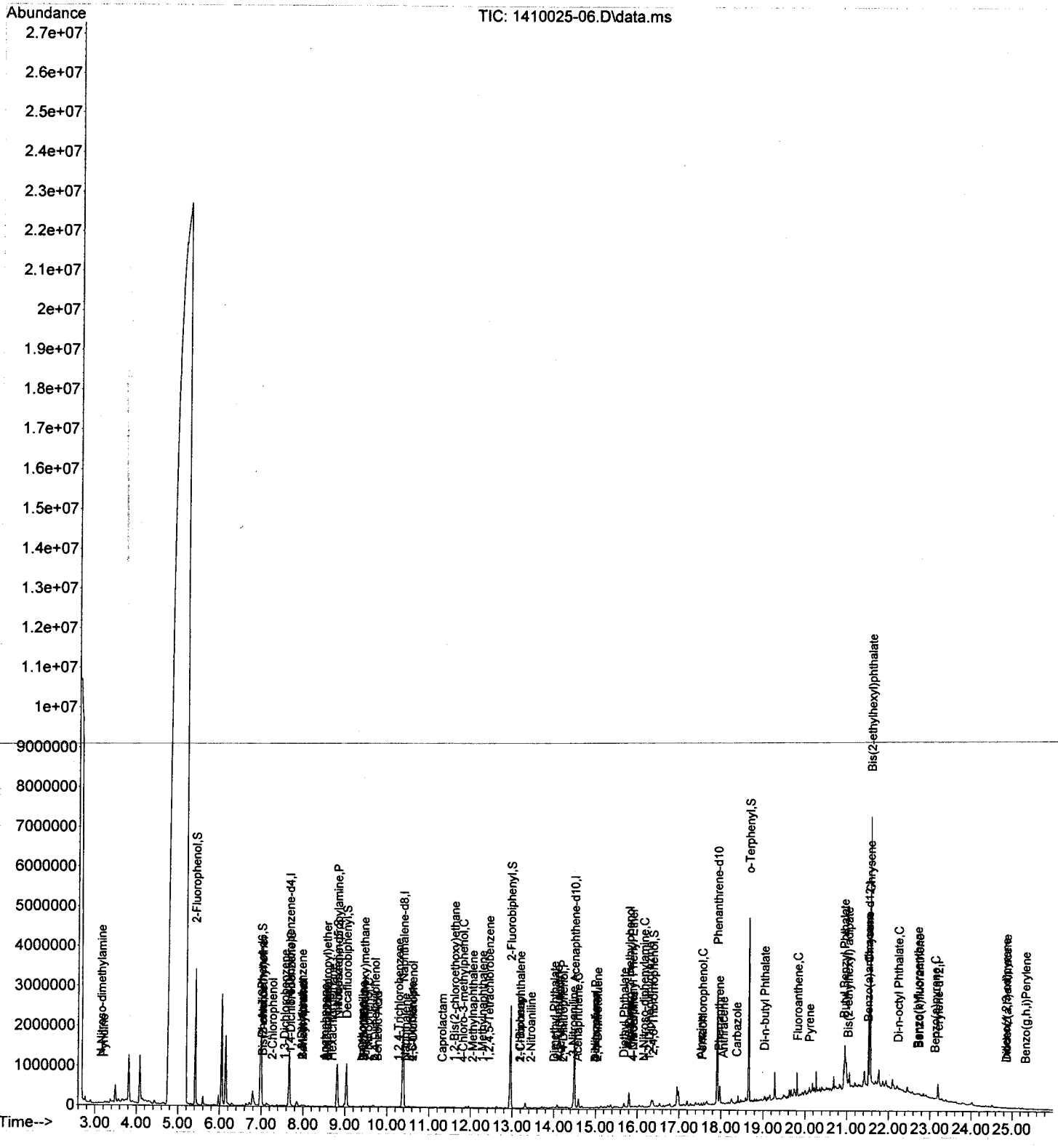
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	398824	7.669	403279	7.614	
Naphthalene-d8	1571959	10.385	1529030	10.359	
Acenaphthene-d10	868604	14.495	866604	14.474	
Phenanthrene-d10	1387911	17.91	1400442	17.901	
Chrysene-d12	752752	21.518	1153654	21.538	
Perylene-d12	220124	23.197	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:25:10 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



100414bna.M Tue Oct 21 08:25:38 2014 339

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:25:10 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	398824	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.385	136	1571959	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.495	164	868604	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.910	188	1387911	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	752752	5.00	ng/uL	#-0.01
89) Perylene-d12	23.197	264	220124 low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.419	112	1328367	14.58	ng/uL	0.20
6) Phenol-d6	6.999	99	2017670	17.11	ng/uL	0.06
21) Nitrobenzene-d5	8.818	82	845610	8.42	ng/uL	0.00
23) Decafluorobiphenyl	9.033	334	539606	7.66	ng/uL	0.00
47) 2-Fluorobiphenyl	12.962	172	1572629	8.76	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.371	330	26725	1.27	ng/uL	-0.01
78) o-Terphenyl	18.662	230	1057590	8.89	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.146	74	672	0.01	ng/uL	88
3) Pyridine	3.205	79	1978	0.02	ng/uL#	73
5) Aniline	7.011	93	151	0.22	ng/uL#	1
7) Phenol	7.016	94	4944	0.04	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.028	93	137	0.00	ng/uL#	1
9) 2-Chlorophenol	7.261	128	306	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.553	146	3665	0.03	ng/uL#	19
11) 1,4-Dichlorobenzene	7.693	146	2084	0.02	ng/uL#	1
12) 1,2-Dichlorobenzene	7.961	146	473	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.561	45	3138	0.02	ng/uL	91
14) Benzyl Alcohol	7.984	108	8305	0.12	ng/uL	97
15) 2-Methylphenol	7.984	108	8305	0.09	ng/uL#	55
16) Acetophenone	8.503	105	2760	0.02	ng/uL#	65
17) Hexachloroethane	8.689	119	499	0.01	ng/uL#	14
18) 4-Methylphenol	8.561	108	1292	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.818	70	110637	R 1.54	ng/uL#	11
~~22) Nitrobenzene~~	~~8.818~~	~~77~~	~~4762~~	~~0.04~~	~~ng/uL#~~	~~1~~
24) Isophorone	9.395	82	2046	0.01	ng/uL#	89
25) 2-Chloroaniline	9.418	127	168	0.00	ng/uL#	73
26) 2-Nitrophenol	9.546	139	116	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.704	107	136	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.453	93	69	0.00	ng/uL	86
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.768	105	2025m	2.48	ng/uL	
31) 1,2,4-Trichlorobenzene	10.269	180	1859	0.02	ng/uL	87
32) Naphthalene	10.438	128	3853	0.01	ng/uL#	74
33) 4-Chloroaniline	10.589	127	993	0.01	ng/uL#	73
34) 2,6-Dichlorophenol	10.607	162	108	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.312	55	12136	0.27	ng/uL#	42
37) 1,2-Bis(2-chloroethoxy...	11.604	63	288	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.808	107	118	0.00	ng/uL#	14
39) 2-Methylnaphthalene	12.047	142	5261	0.03	ng/uL#	91
40) 1-Methylnaphthalene	12.274	142	3910	0.02	ng/uL#	84
41) 1,3 Dinitrobenzene	14.011	168	57	Below Cal		100

003666

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:25:10 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.431	216	63	0.00	ng/uL#	1
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.183	162	579	0.00	ng/uL#	14
49) 1,1'-Biphenyl	13.177	154	2608	0.01	ng/uL#	70
50) 2-Nitroaniline	13.445	138	175	0.00	ng/uL#	1
51) Acenaphthylene	14.145	152	786	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.087	165	1361	0.03	ng/uL#	38
53) Dimethyl Phthalate	14.005	163	165	0.00	ng/uL#	1
54) 3-Nitroaniline	14.460	138	758	0.02	ng/uL#	1
55) Acenaphthene	14.565	153	4017	0.02	ng/uL#	79
56) 2,4-Dinitrophenol	14.221	184	58	~~2.84~~	ng/uL#	1
57) Dibenzofuran	14.984	168	3342	0.01	ng/uL	95
58) 4-Nitrophenol	14.984	65	528	0.01	ng/uL#	1
59) 2,4-Dinitrotoluene	15.037	165	402	0.01	ng/uL#	1
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.806	166	2992	0.02	ng/uL#	1
63) Diethyl Phthalate	15.678	149	42612	0.24	ng/uL	94
64) 4-Chlorophenyl Phenyl ...	15.882	204	57	0.00	ng/uL#	1
65) 4-Nitroaniline	15.894	138	272	0.01	ng/uL#	56
67) 4,6-Dinitro-2-methylph...	15.800	198	113	~~0.99~~	ng/uL#	1
68) N-Nitroso-diphenylamine	16.150	169	5115	0.03	ng/uL#	35
69) 1,2-Diphenylhydrazine	16.278	182	5430	0.10	ng/uL#	25
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.520	200	191	0.00	ng/uL	90
74) Pentachlorophenol	17.555	266	503	0.02	ng/uL#	1
75) Phenanthrene	17.951	178	55018	0.20	ng/uL	99
76) Anthracene	18.050	178	5881	0.02	ng/uL#	83
77) Carbazole	18.371	167	3395	0.02	ng/uL#	25
79) Di-n-butyl Phthalate	19.035	149	34104	0.13	ng/uL#	81
80) Fluoroanthene	19.816	202	42304	0.16	ng/uL	96
~~82) Pyrene~~	~~20.108~~	~~202~~	~~47799~~	~~0.27~~	~~ng/uL#~~	~~87~~
83) Butyl Benzyl Phthalate	20.929	149	138273	1.96	ng/uL	90
84) Bis(2-ethylhexyl) adipate	21.023	129	4004	0.13	ng/uL#	100
85) Benzo(a)anthracene	21.506	228	16571	0.12	ng/uL#	71
86) Chrysene	21.547	228	17873	0.13	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.553	149	1875269	20.77	ng/uL	92
88) Di-n-octyl Phthalate	22.229	149	7750m	0.39	ng/uL	
90) Benzo(b)fluoroanthene	22.701	252	11207	0.28	ng/uL#	69
91) Benzo(k)fluoranthene	22.736	252	6259	0.14	ng/uL#	71
92) Benzo(a)pyrene	23.121	252	7215	0.19	ng/uL#	87
93) Indeno(1,2,3-cd)pyrene	24.840	276	4576	0.14	ng/uL#	85
94) Dibdenz(a,h)anthracene	24.864	278	2841	0.11	ng/uL#	92
95) Benzo(g,h,i)Perylene	25.324	276	3715	0.13	ng/uL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

003667

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06
Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 07:53:01 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

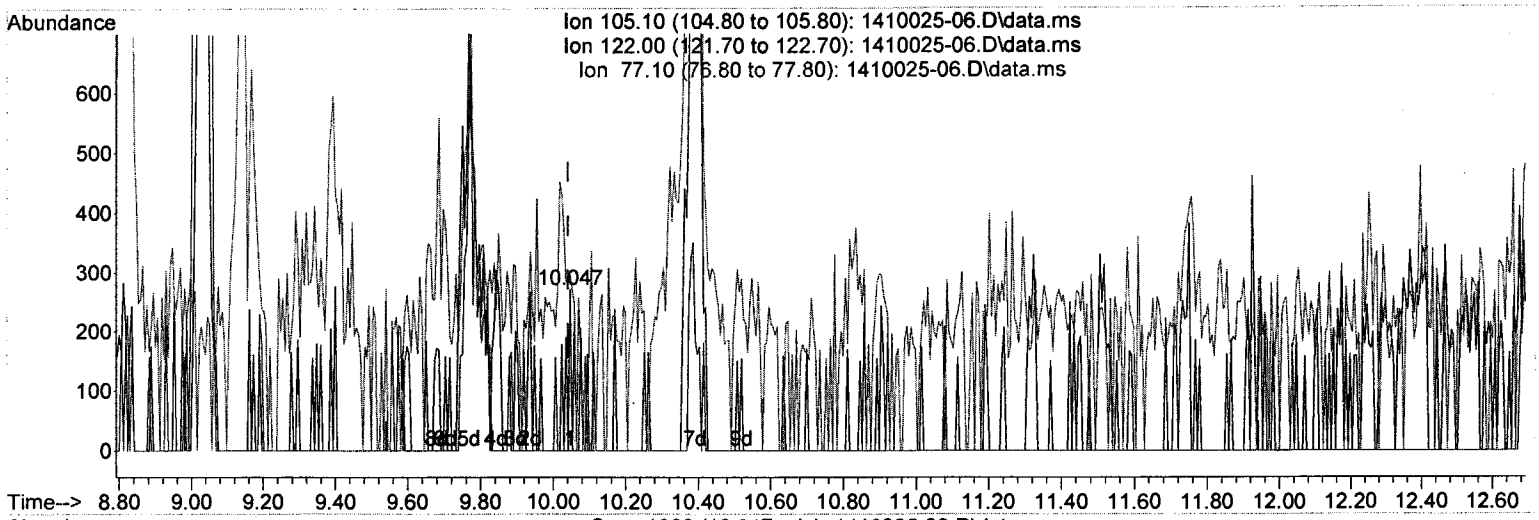
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.669	152	397771	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.385	136	1571959	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.495	164	866035	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1389112	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	750582	5.00	ng/uL	#	0.00
22) Perylene-d12	23.197	264	221320	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.820	74	1755	0.03	ng/uL		98
3) Pyridine	3.205	79	1536	0.01	ng/uL		90
4) Aniline	7.011	93	151	0.00	ng/uL#		1
5) Benzaldehyde	6.772	105	343	0.00	ng/uL#		34
6) Acetophenone	8.503	105	2760	0.02	ng/uL#		65
7) N-Nitroso-di-n-propyla...	8.544	70	3102	0.04	ng/uL#		46
9) 4-Chloroaniline	10.589	127	993	0.02	ng/uL#		73
10) Caprolactam	11.365	55	535	0.11	ng/uL#		1
12) 1,1'-Biphenyl	13.177	154	2608	0.01	ng/uL#		70
13) 2-Nitroaniline	13.445	138	175	0.01	ng/uL#		1
14) 3-Nitroaniline	14.460	138	758	Below Cal		#	1
15) 4-Nitroaniline	15.894	138	272	Below Cal		#	56
17) N-Nitroso-diphenylamine	16.150	169	5115	0.03	ng/uL#		35
18) Atrazine	17.520	200	191	Below Cal			90
20) Benzidine	20.003	184	35066	0.73	ng/uL#		71
21) 3,3'-Dichlorobenzidine	21.664	252	640	0.01	ng/uL		92

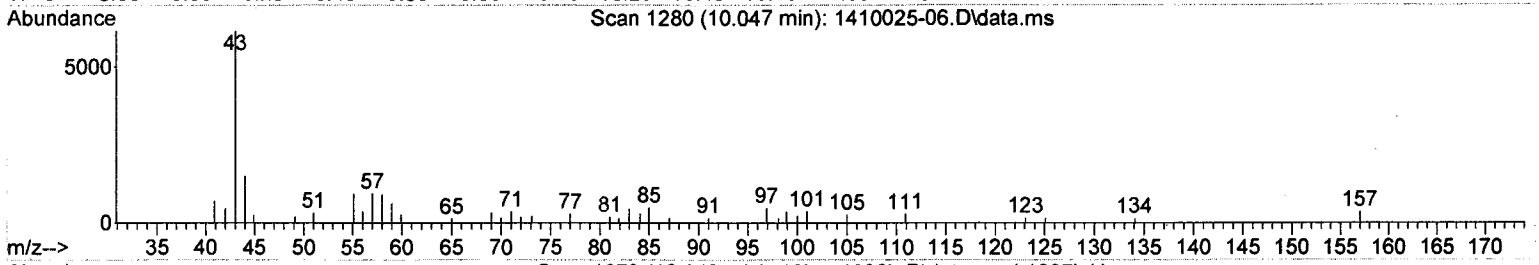
(#) = qualifier out of range (m) = manual integration (+) = signals summed

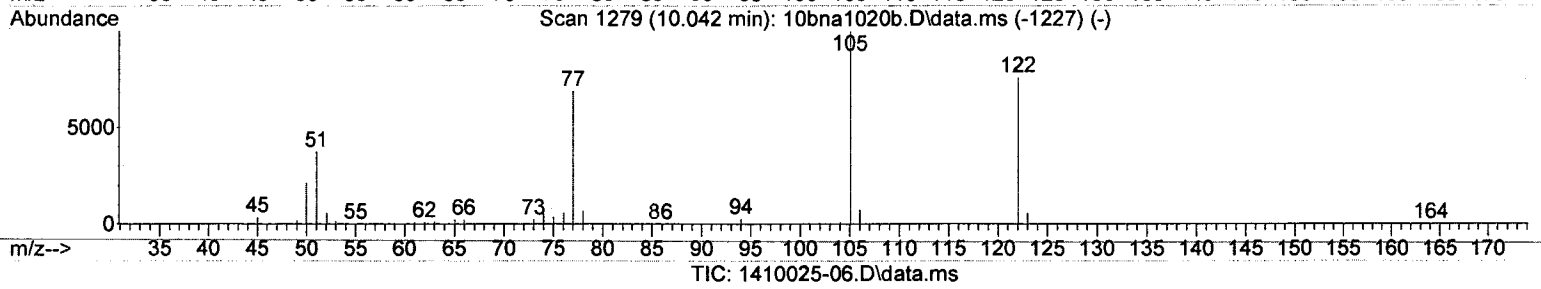
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-06.D\data.ms

(30) Benzoic Acid

10.047min (+ 0.006) 2.46 ng/uL

response 170

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	85.88
0.00	0.00	0.00

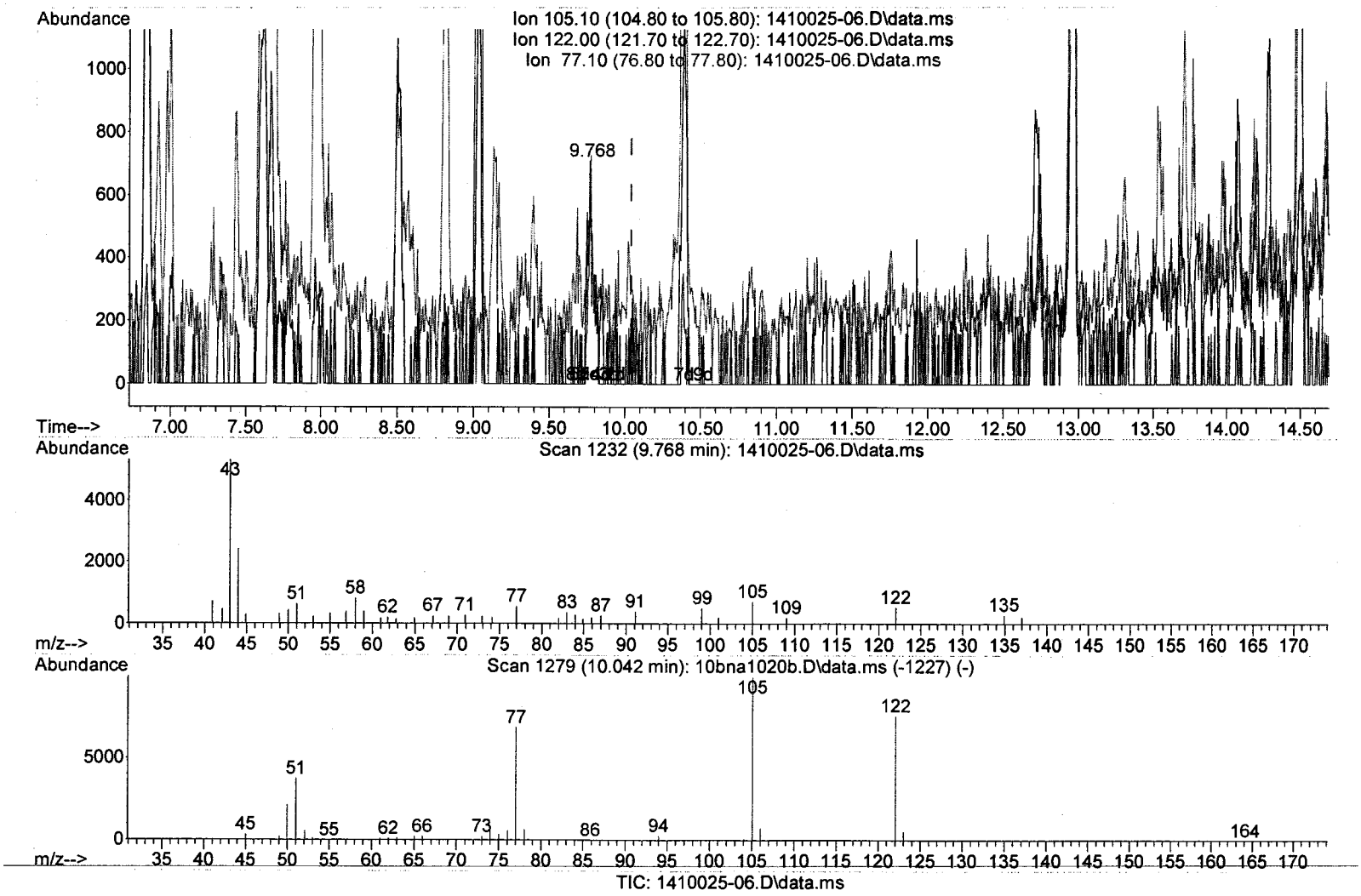
Dur 10-22-14

BNS 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(30) Benzoic Acid

9.768min (-0.274) 2.48 ng/uL m

response 2025

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	7.21#
0.00	0.00	0.00

Manual Integration Explanation

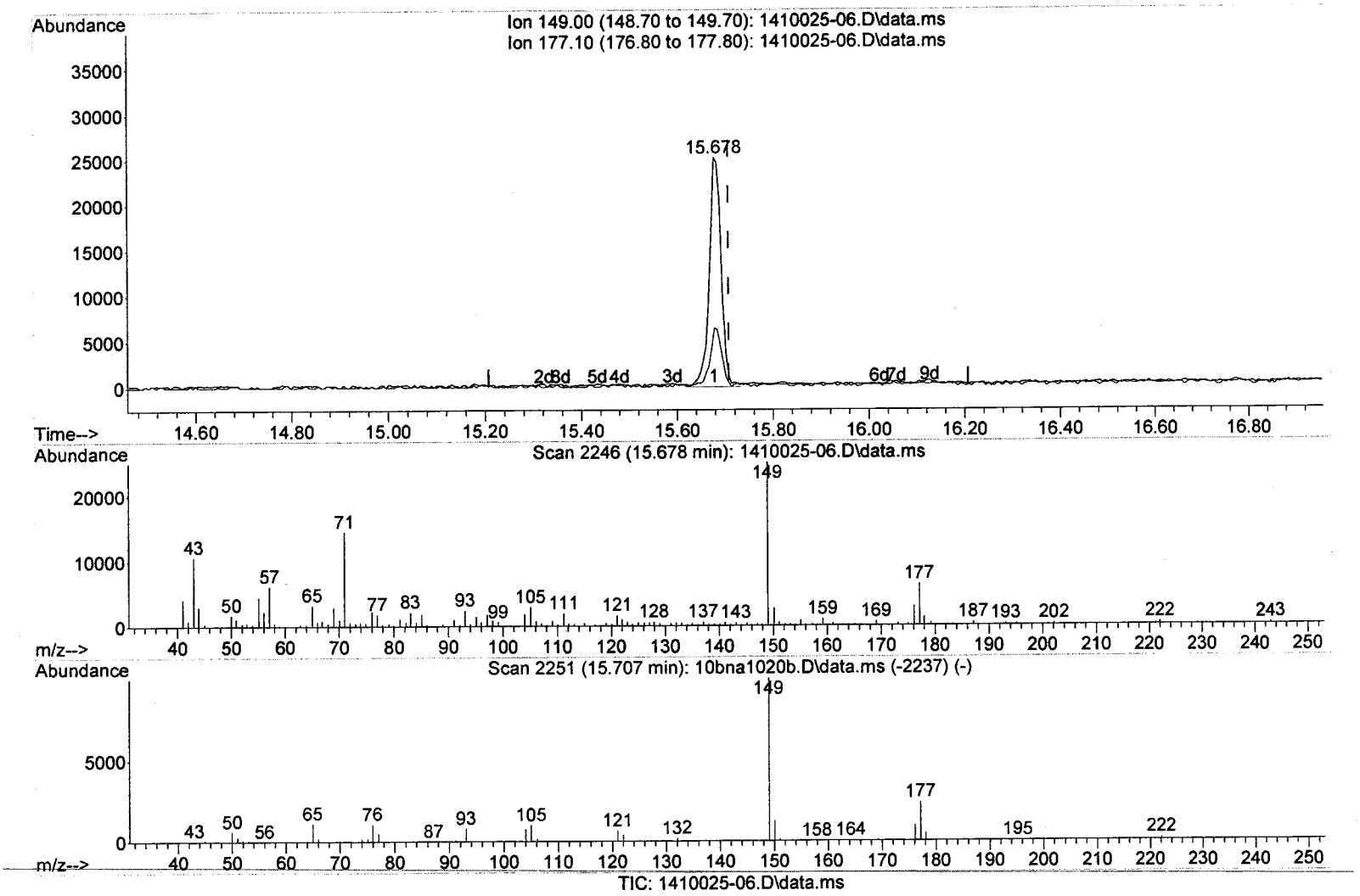
Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JW Date: 10/21/14
Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(63) Diethyl Phthalate

15.678min (-0.029) 0.24 ng/uL

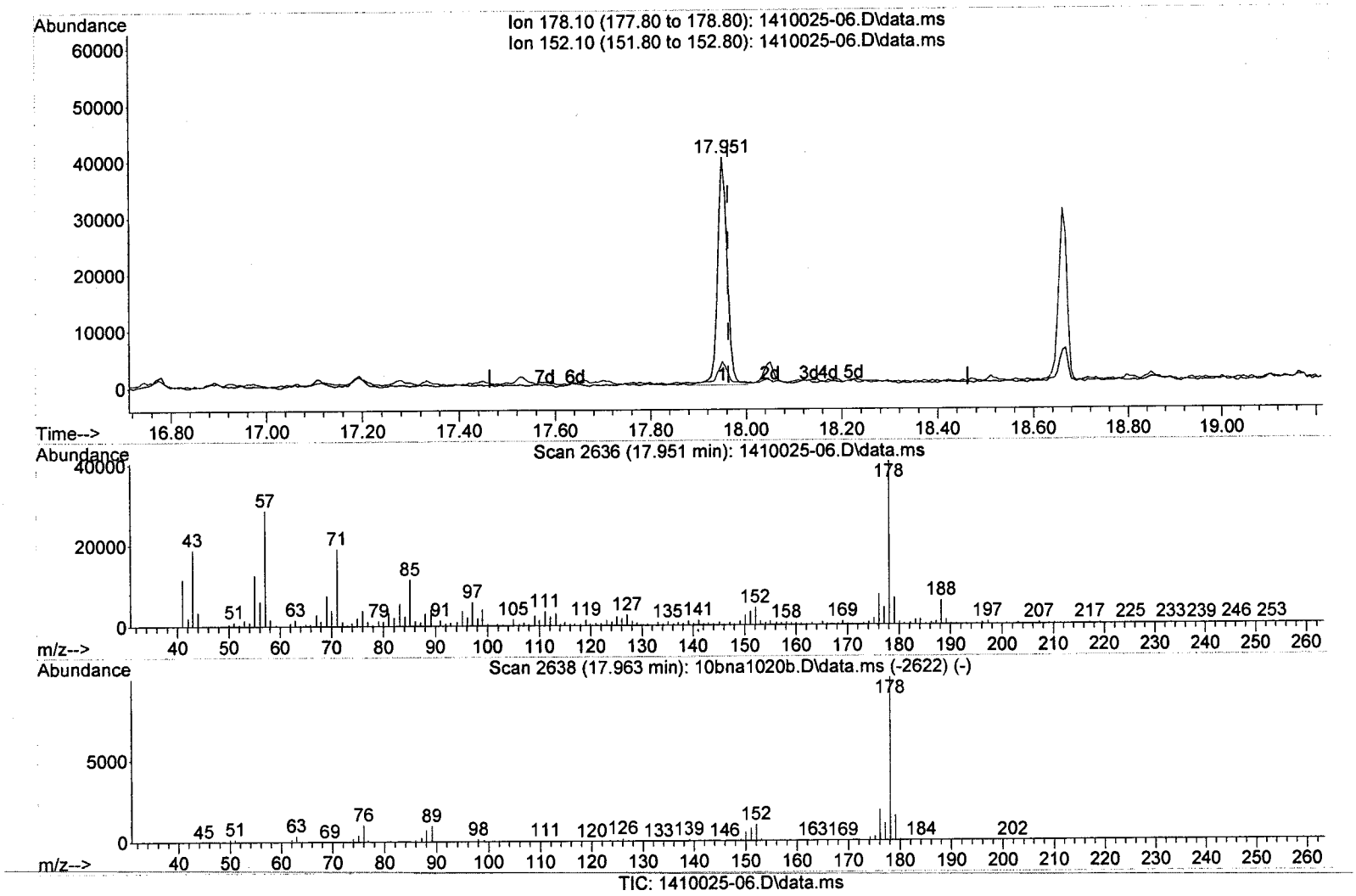
response 42612

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	25.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(75) Phenanthrene

17.951min (-0.012) 0.20 ng/uL

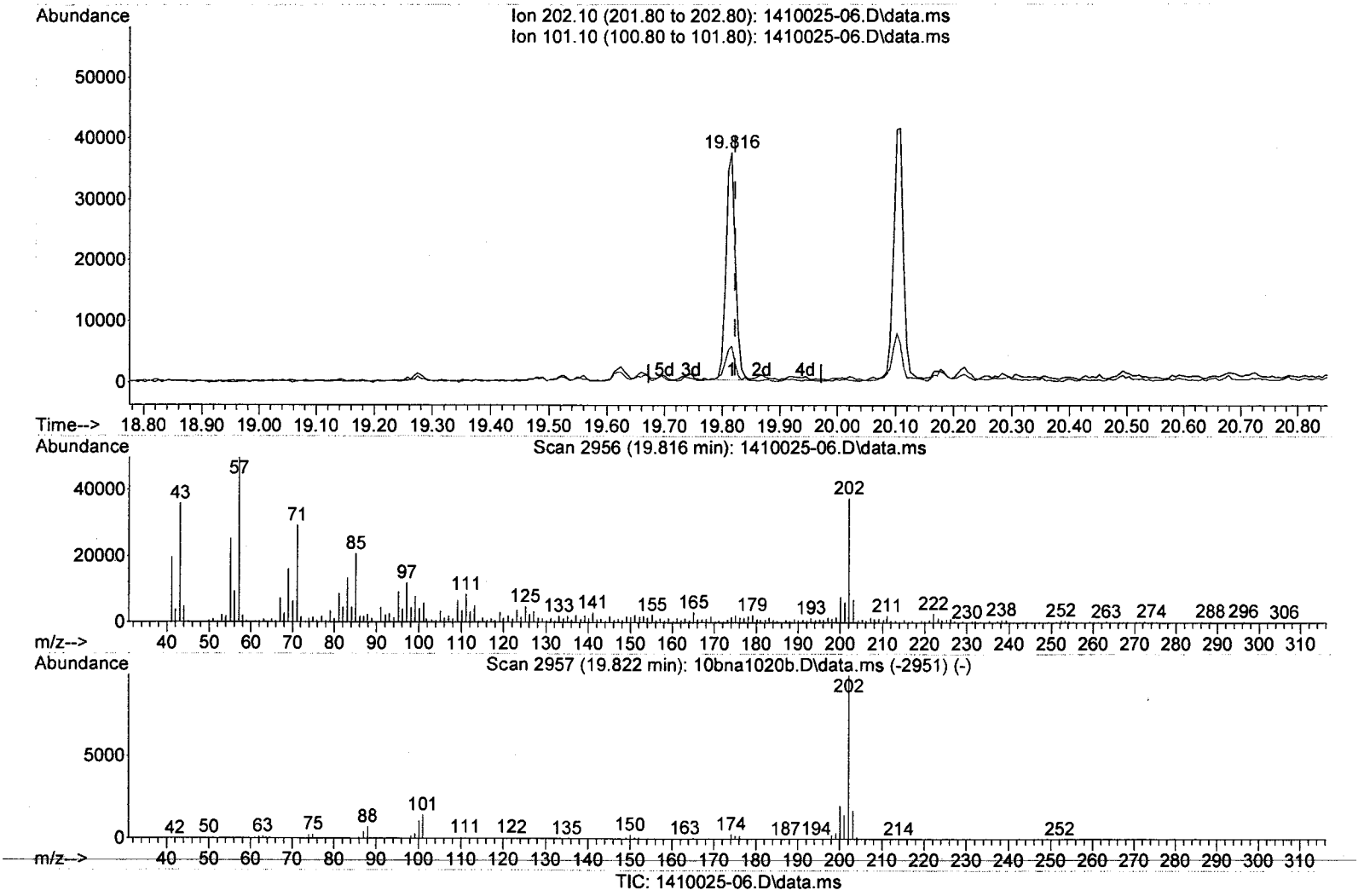
response 55018

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	9.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(80) Fluoroanthene (C)

19.816min (-0.006) 0.16 ng/uL

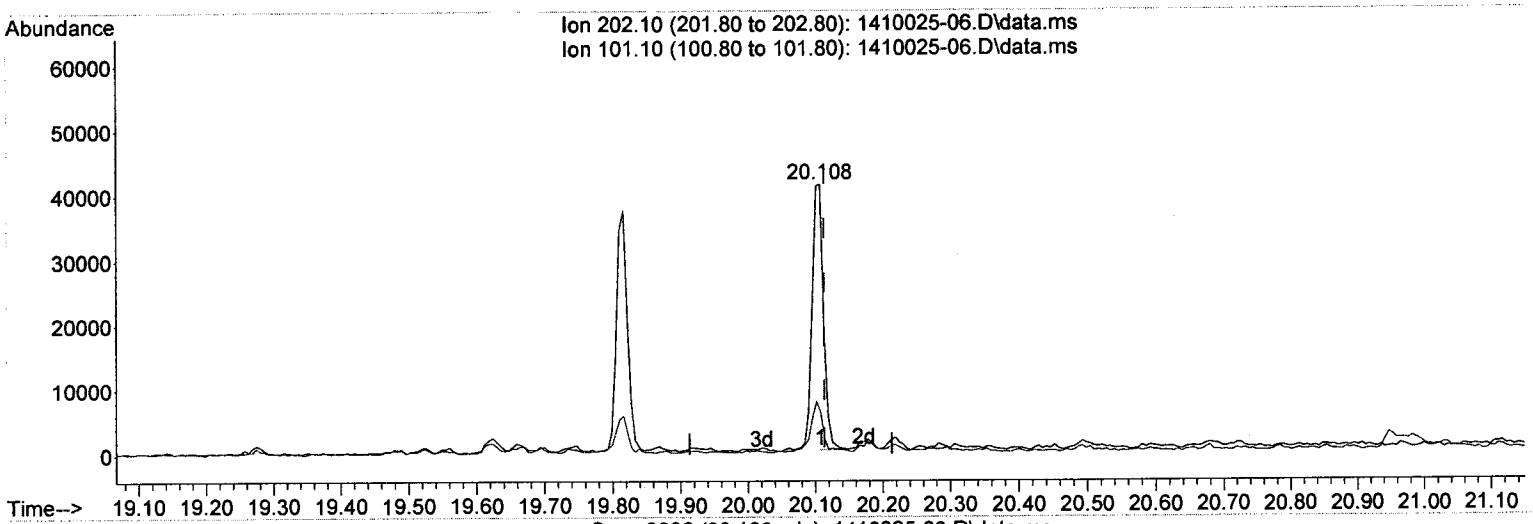
response 42304

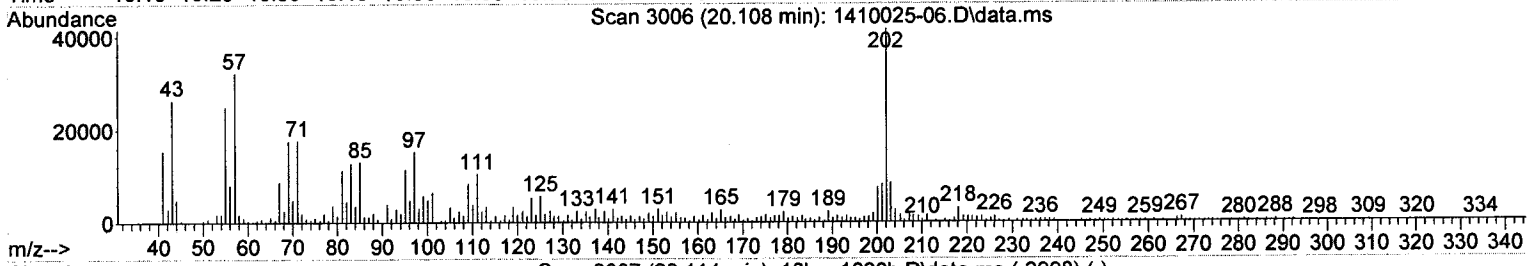
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	18.01
0.00	0.00	0.00
0.00	0.00	0.00

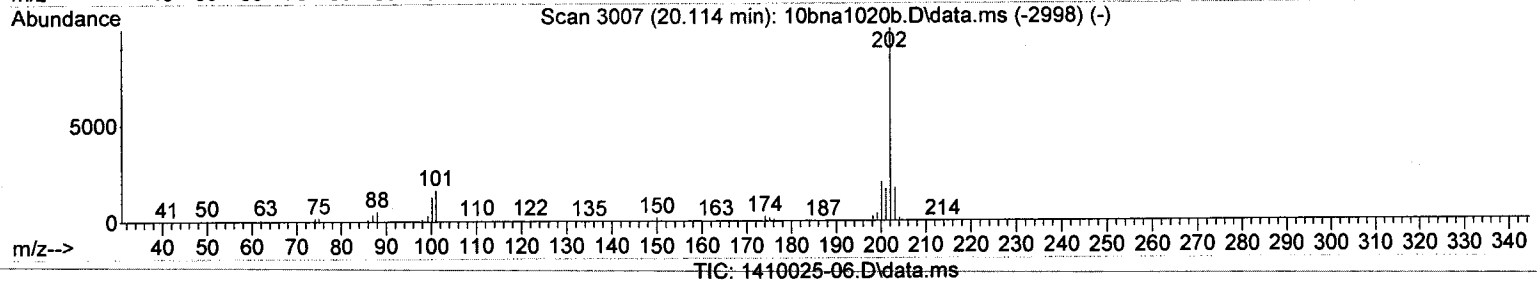
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-06.D\data.ms

(82) Pyrene

20.108min (-0.006) 0.27 ng/uL

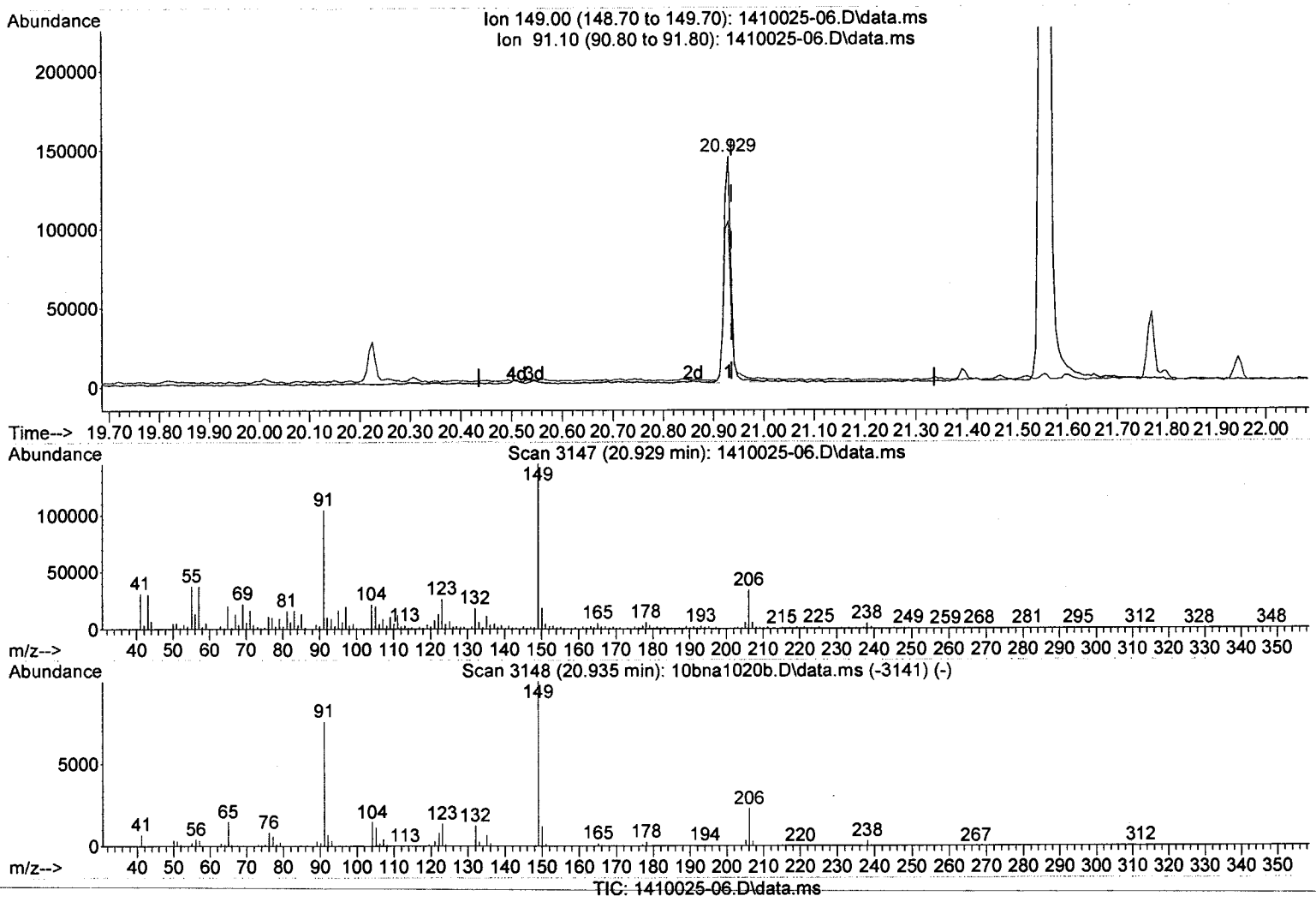
response 47799

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	21.40#
0.00	0.00	0.00
0.00	0.00	0.00

003074

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.929min (-0.006) 1.96 ng/uL

response 138273

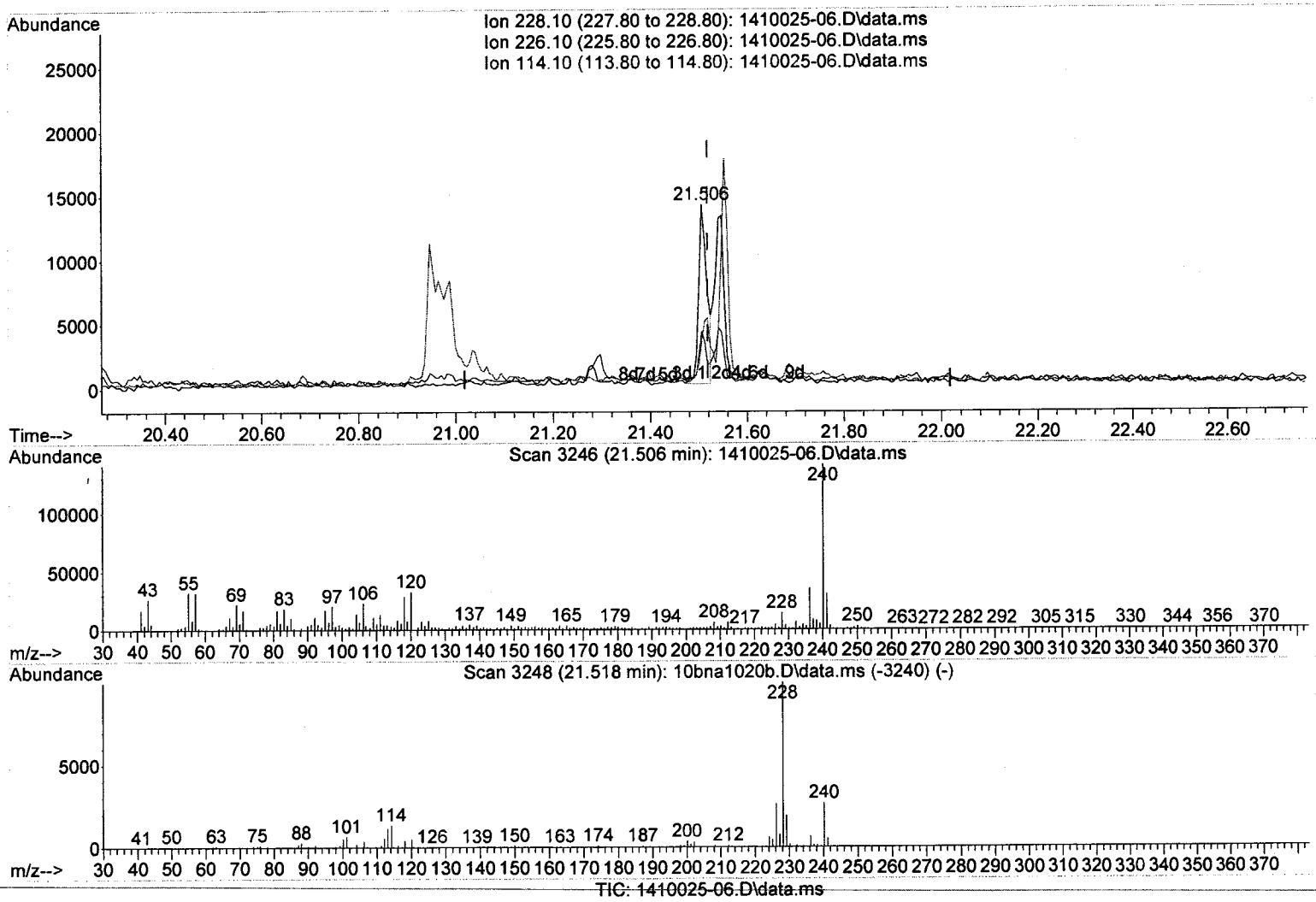
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	75.31
0.00	0.00	0.00
0.00	0.00	0.00

003675

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(85) Benzo(a)anthracene

21.506min (-0.012) 0.12 ng/uL

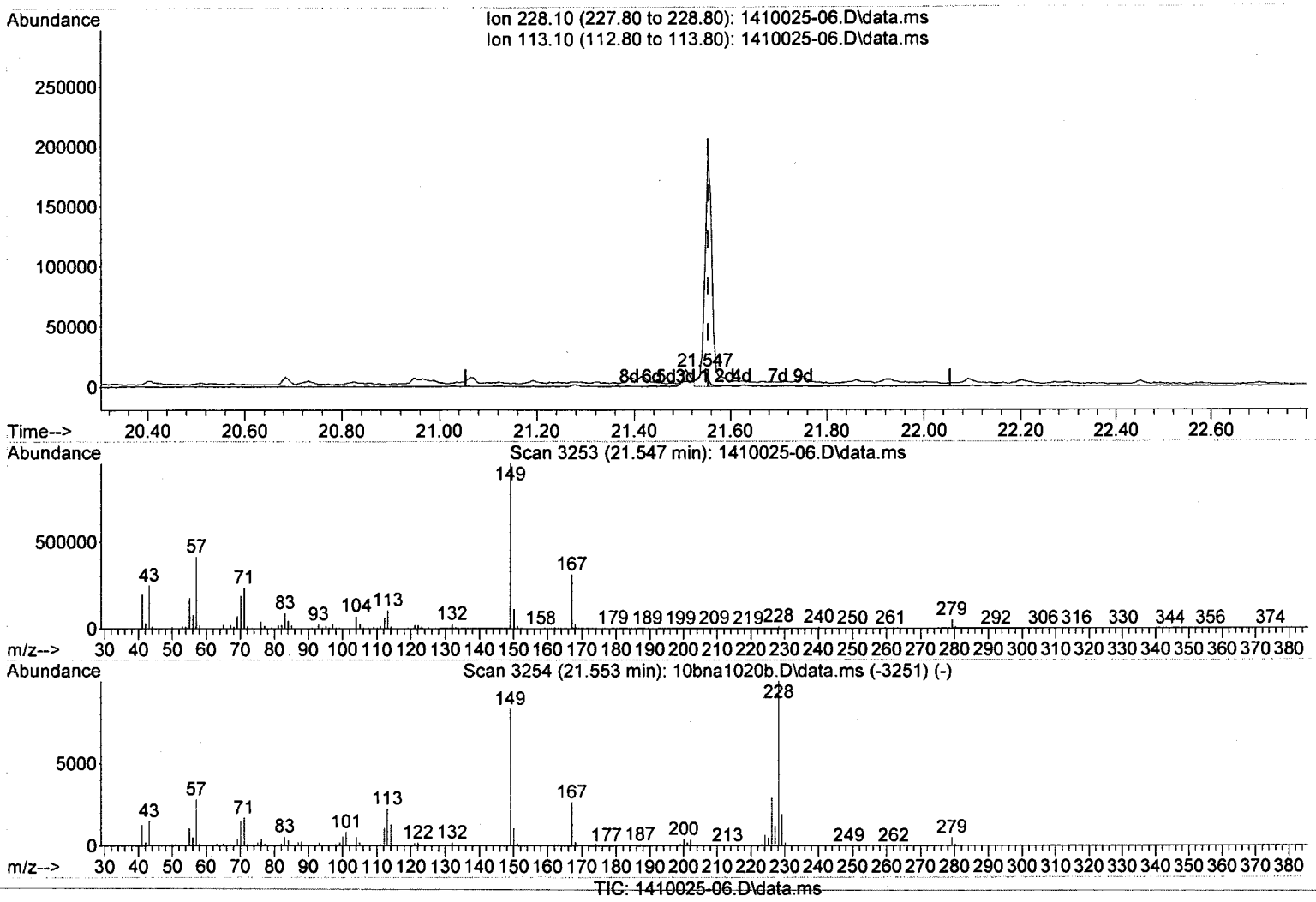
response 16571

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	27.56
114.10	13.30	45.48#
0.00	0.00	0.00

003676

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(86) Chrysene

21.547min (-0.006) 0.13 ng/uL

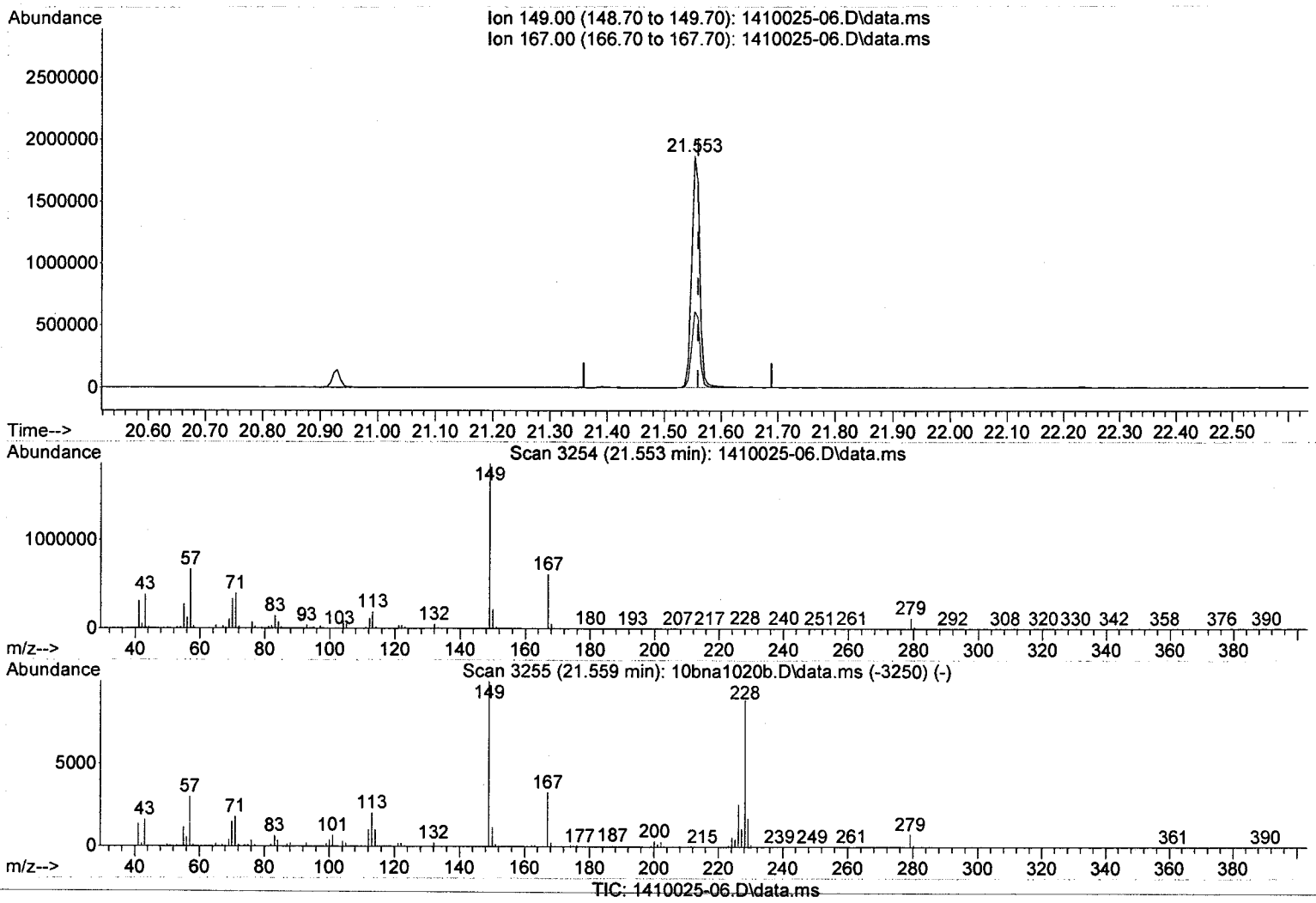
response 17873

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	1113.58#
0.00	0.00	0.00
0.00	0.00	0.00

003677

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.553min (-0.006) 20.77 ng/uL

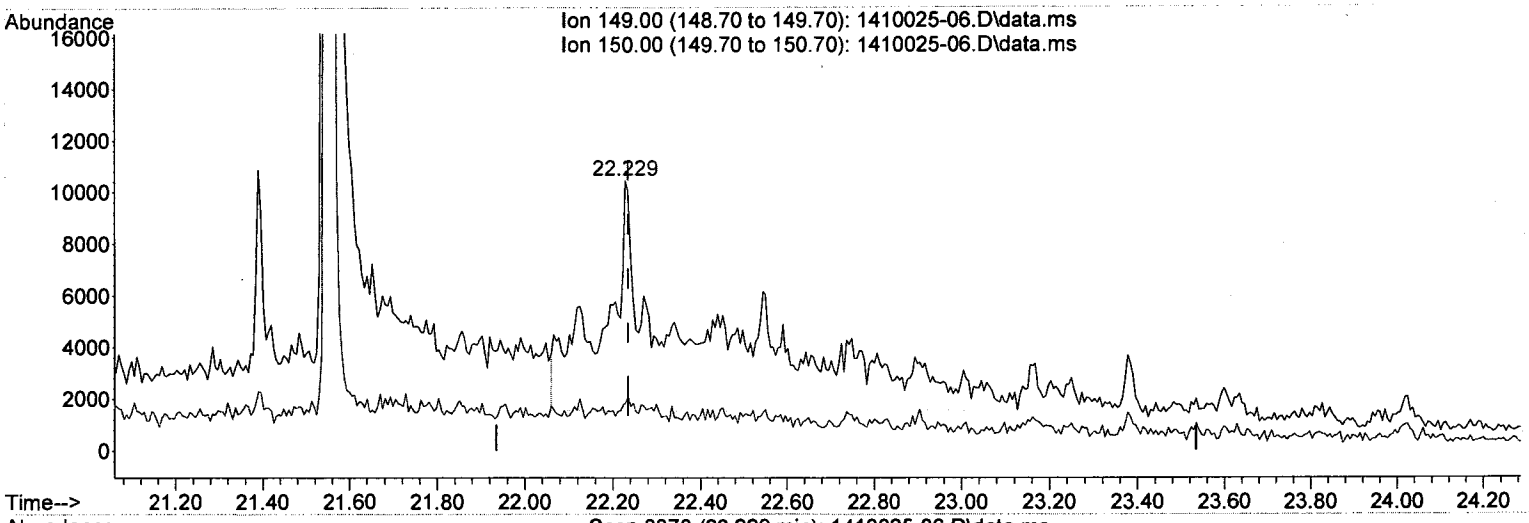
response 1875269

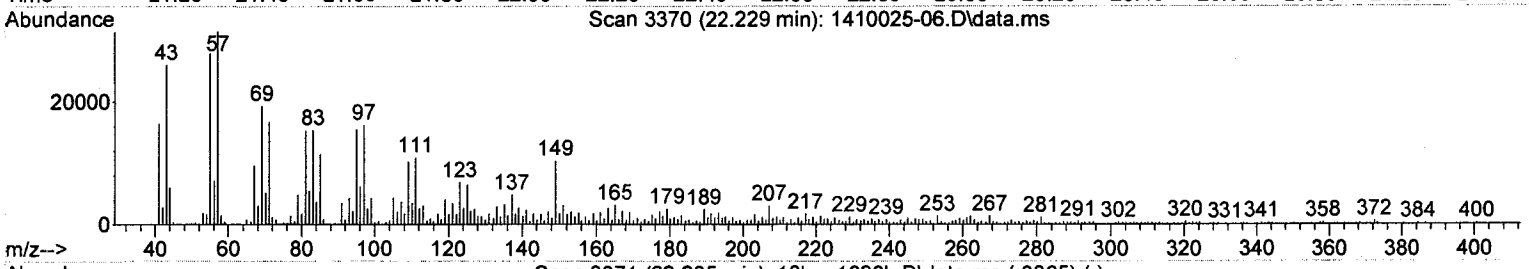
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.65
0.00	0.00	0.00
0.00	0.00	0.00

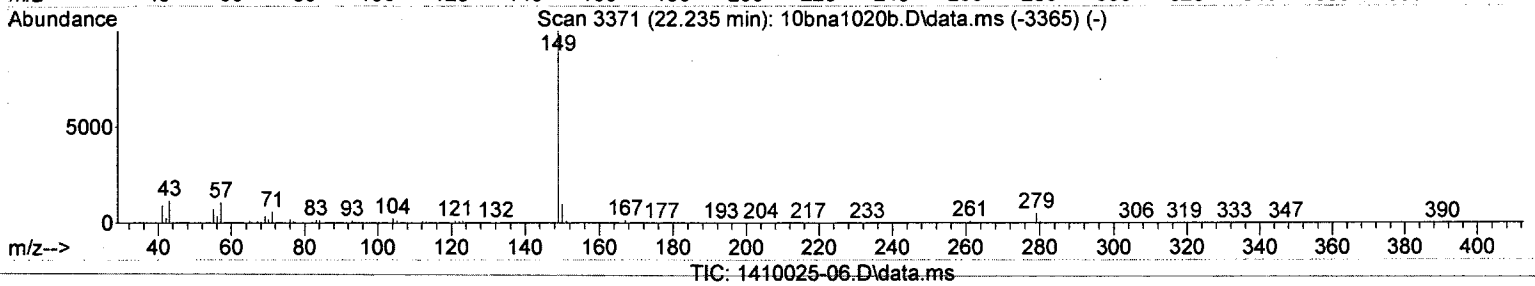
003678

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-06.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 1.23 ng/uL

response 146832

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.54#
0.00	0.00	0.00
0.00	0.00	0.00

Jvb 10/21/14

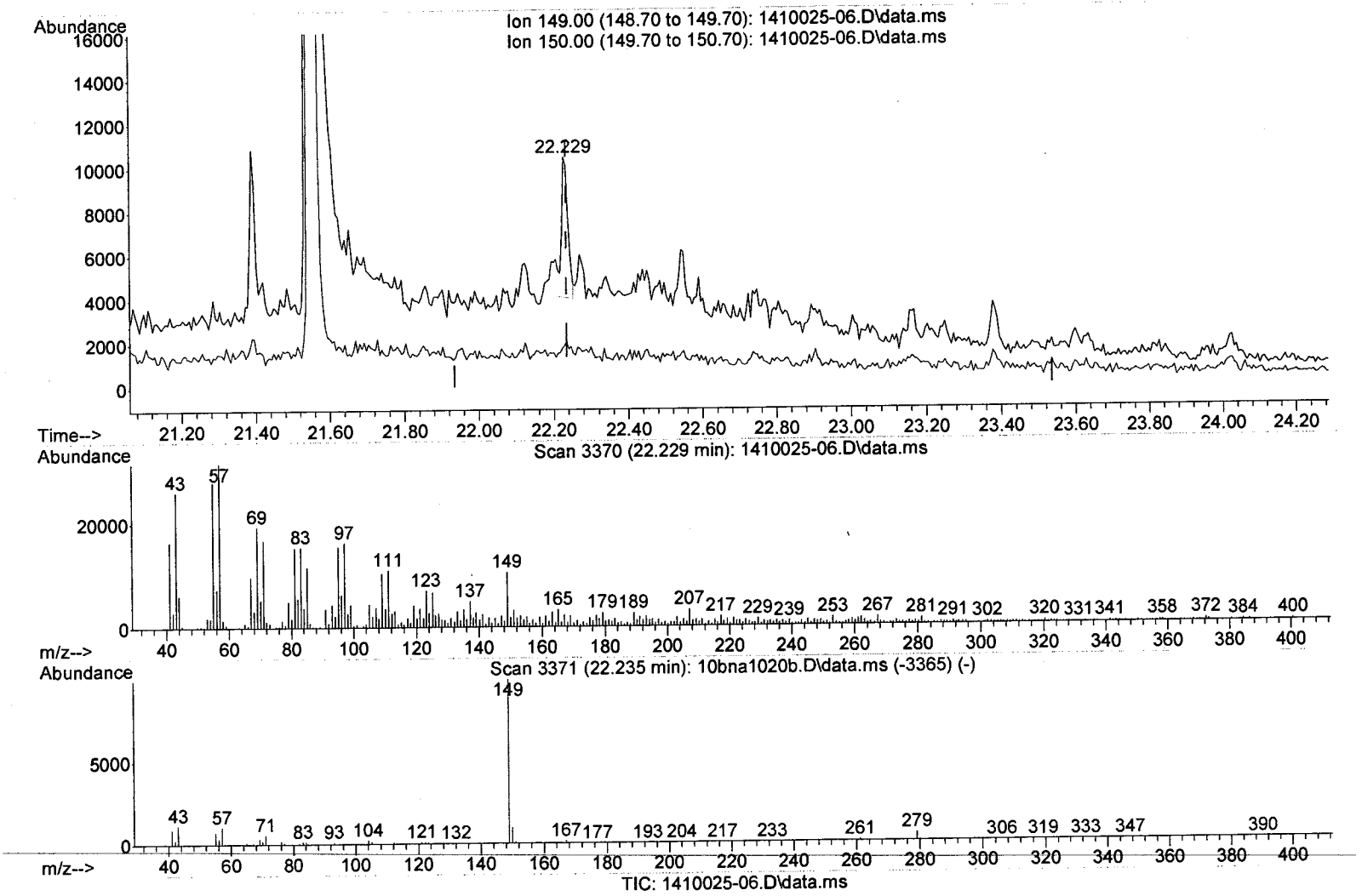
DWO 10-21-14

003679

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 0.39 ng/uL m

response 7750

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	10.18
0.00	0.00	0.00
0.00	0.00	0.00

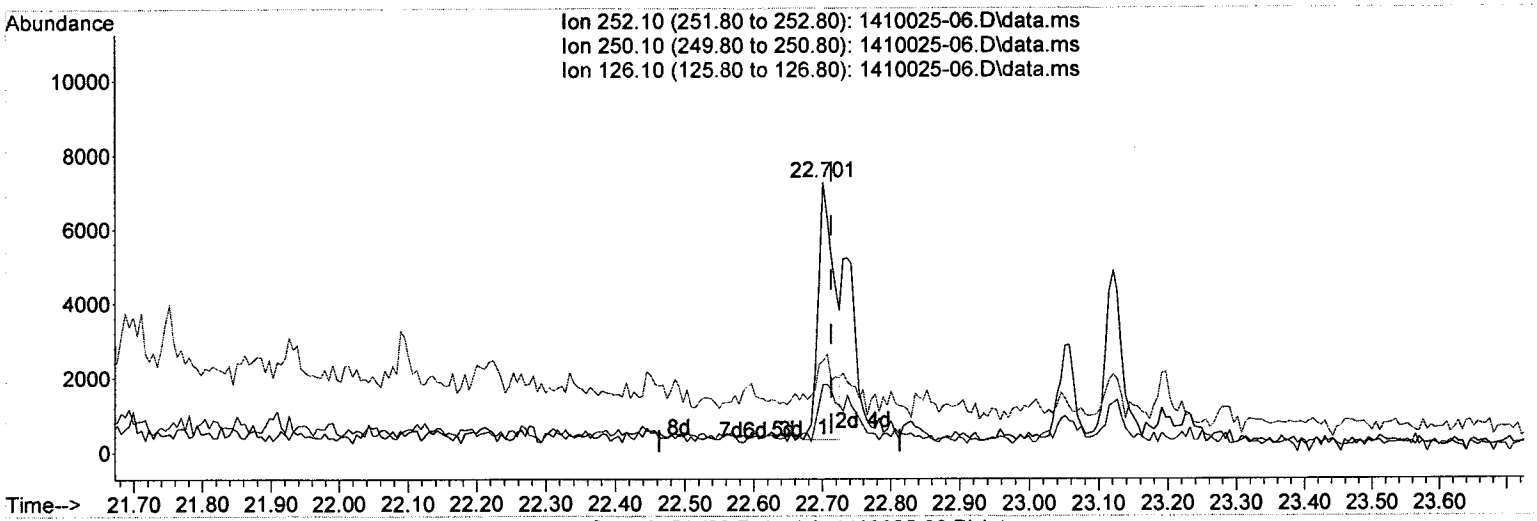
Manual Integration Explanation

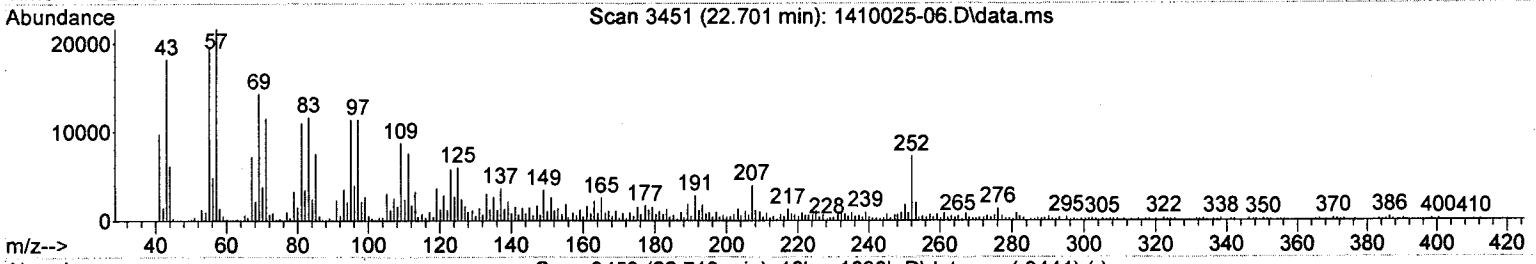
Reason 1: Incorrect peak integrated by the software.

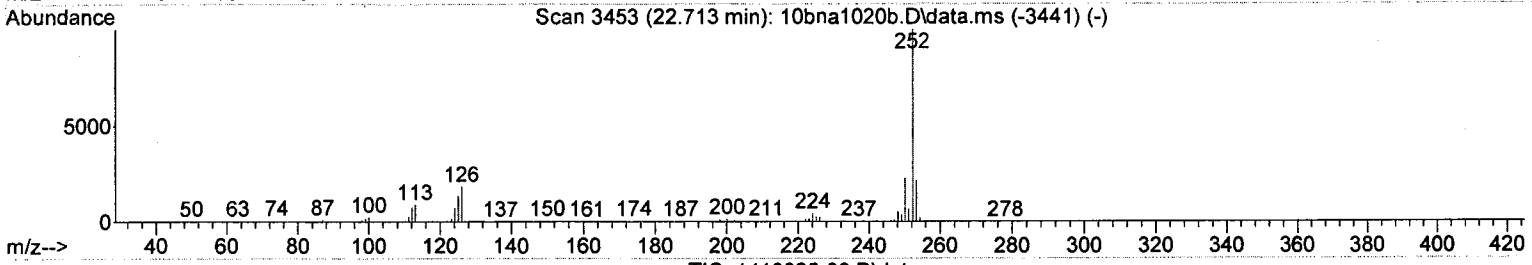
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/21/14
Reviewed By: DW Date: 10-22-14

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-06.D\data.ms

(90) Benzo(b)fluoroanthene

22.701min (-0.012) 0.28 ng/uL

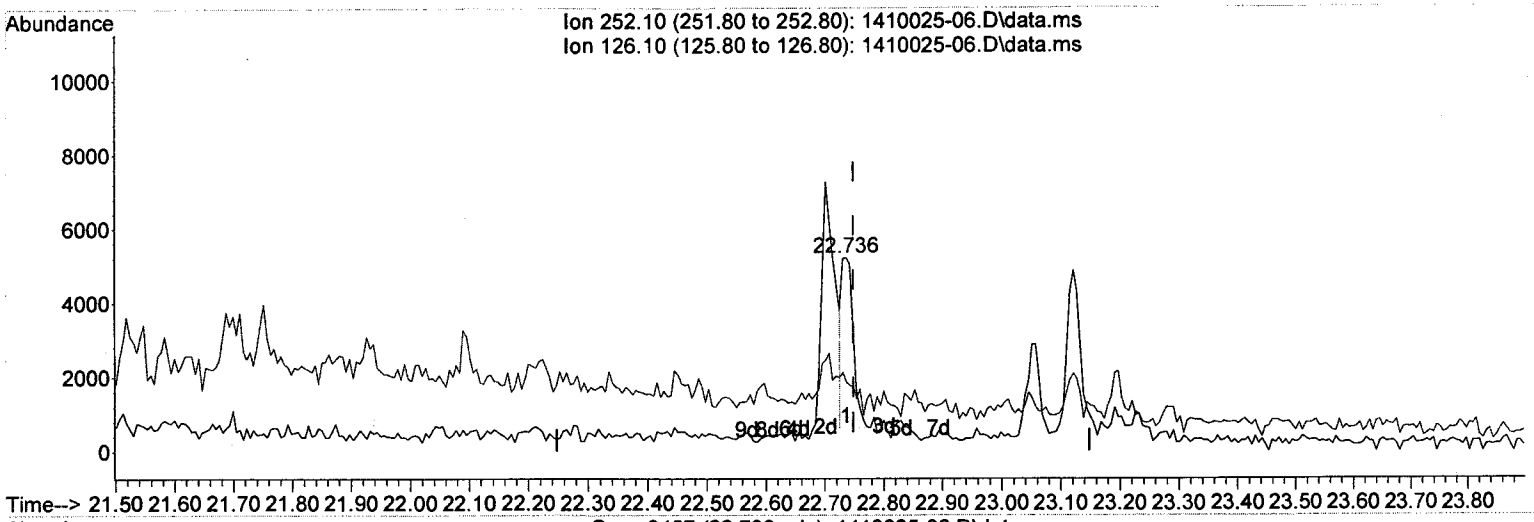
response 11207

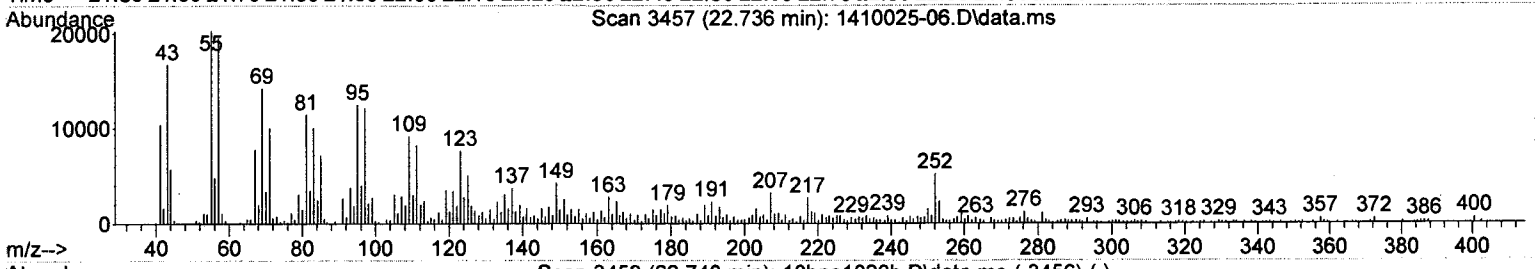
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	28.19#
126.10	17.20	42.05#
0.00	0.00	0.00

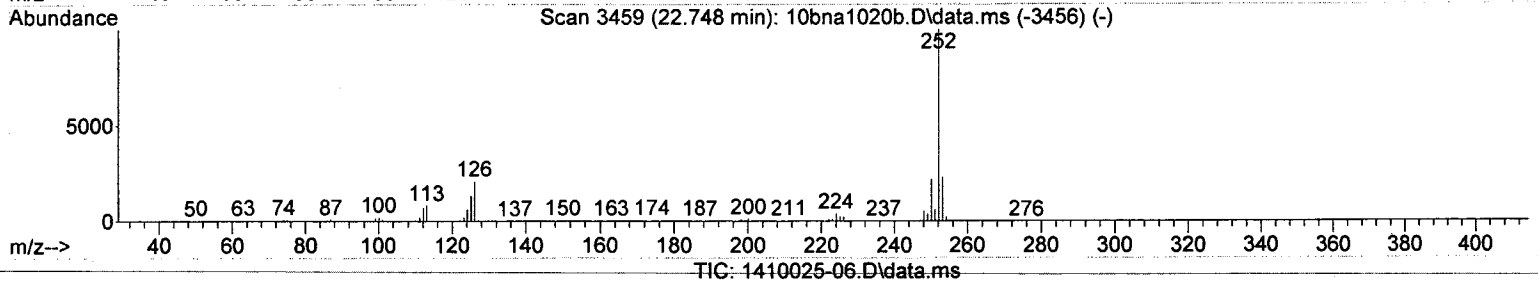
003681

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-06.D\data.ms

(91) Benzo(k)fluoranthene

22.736min (-0.012) 0.14 ng/uL

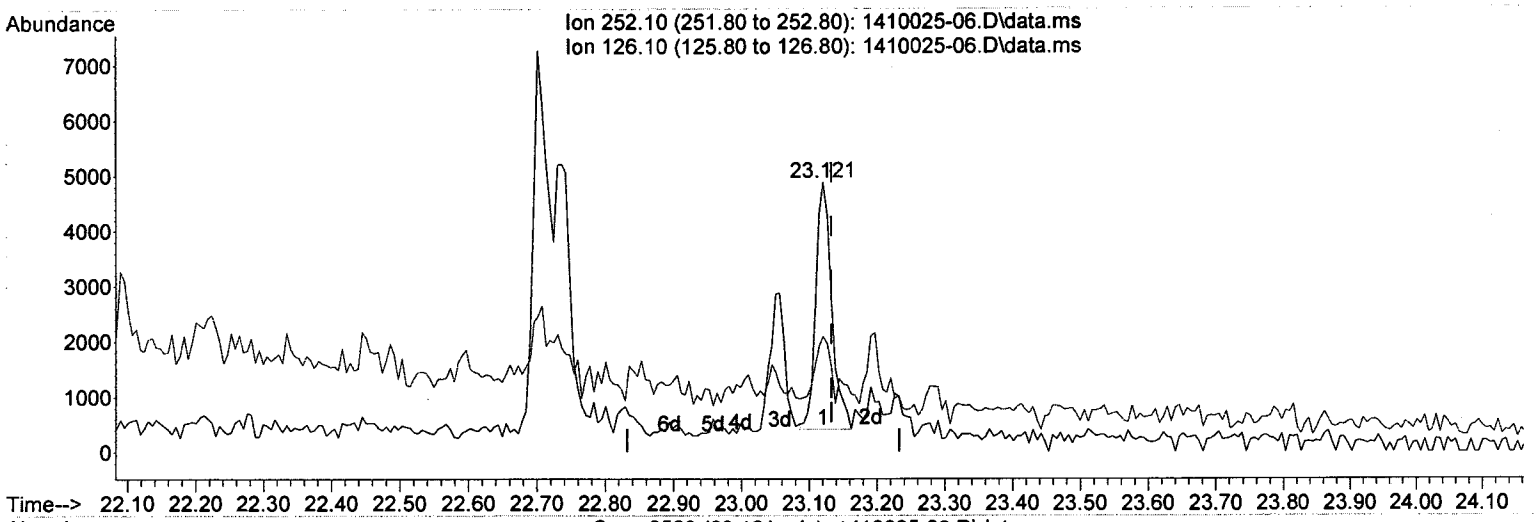
response 6259

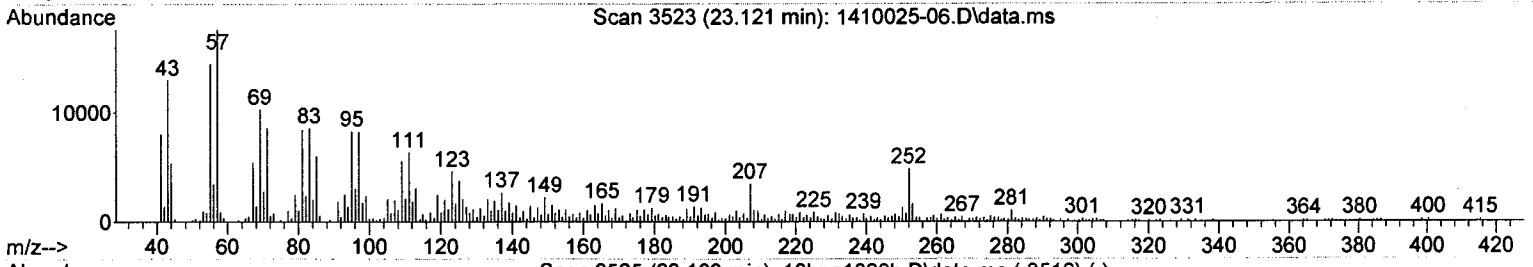
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	6.06#
0.00	0.00	0.00
0.00	0.00	0.00

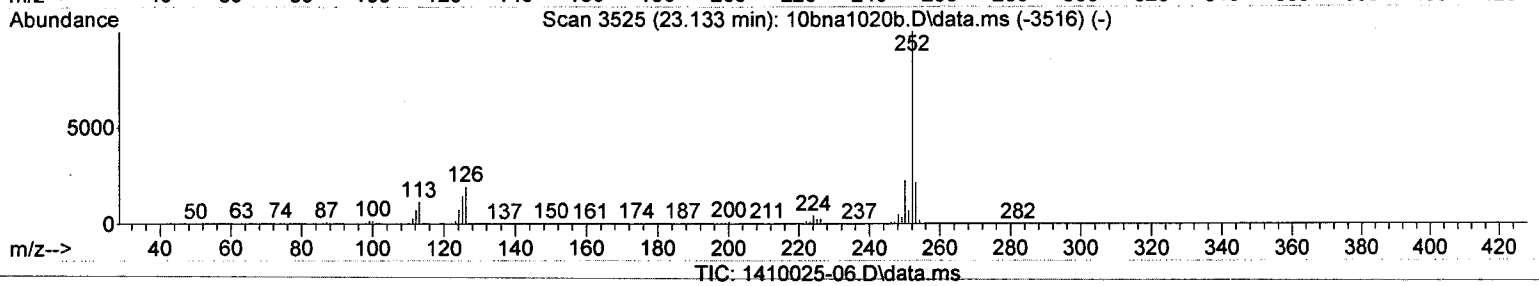
003682

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-06.D\data.ms

(92) Benzo(a)pyrene (C)

23.121min (-0.012) 0.19 ng/uL

response 7215

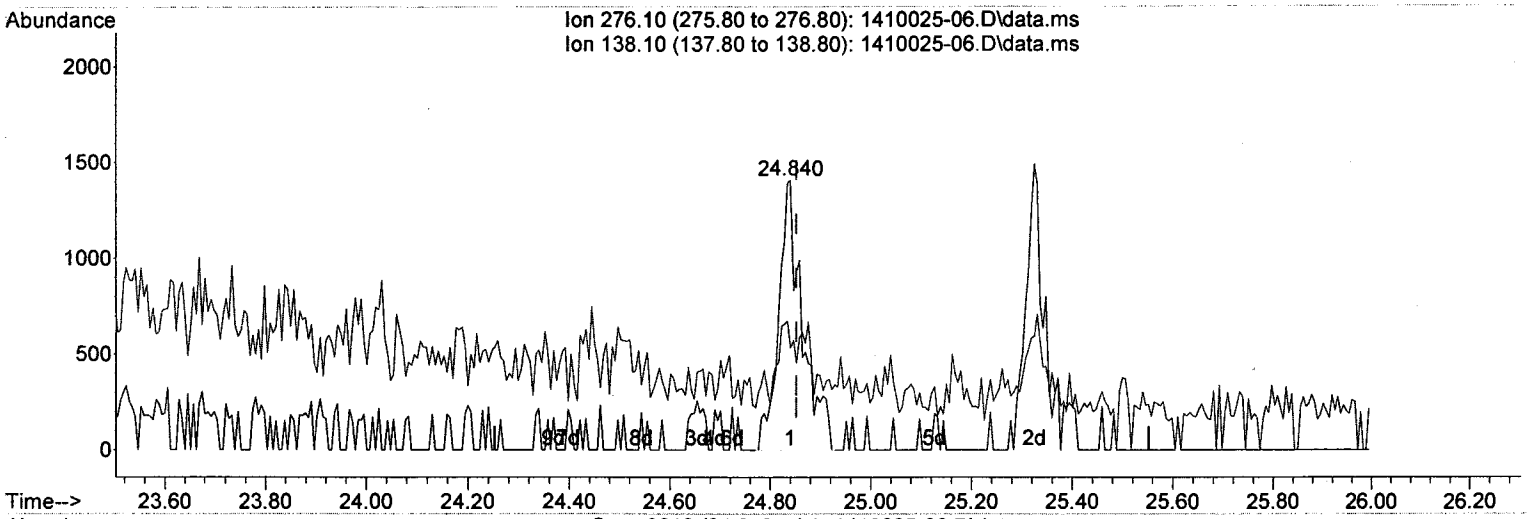
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	25.43#
0.00	0.00	0.00
0.00	0.00	0.00

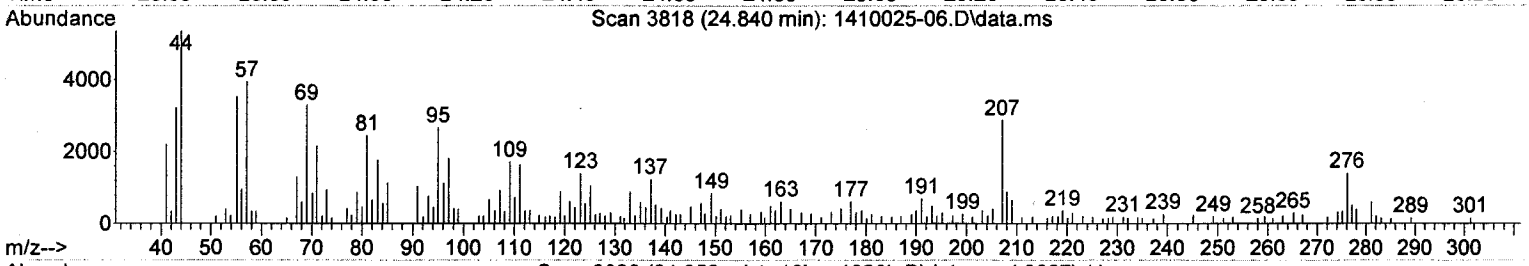
003683

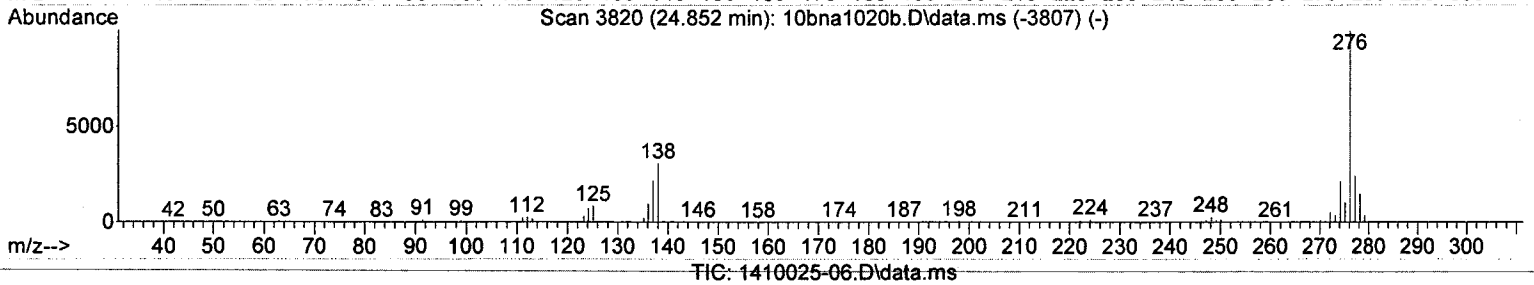
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410025-06.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.840min (-0.012) 0.14 ng/uL

response 4576

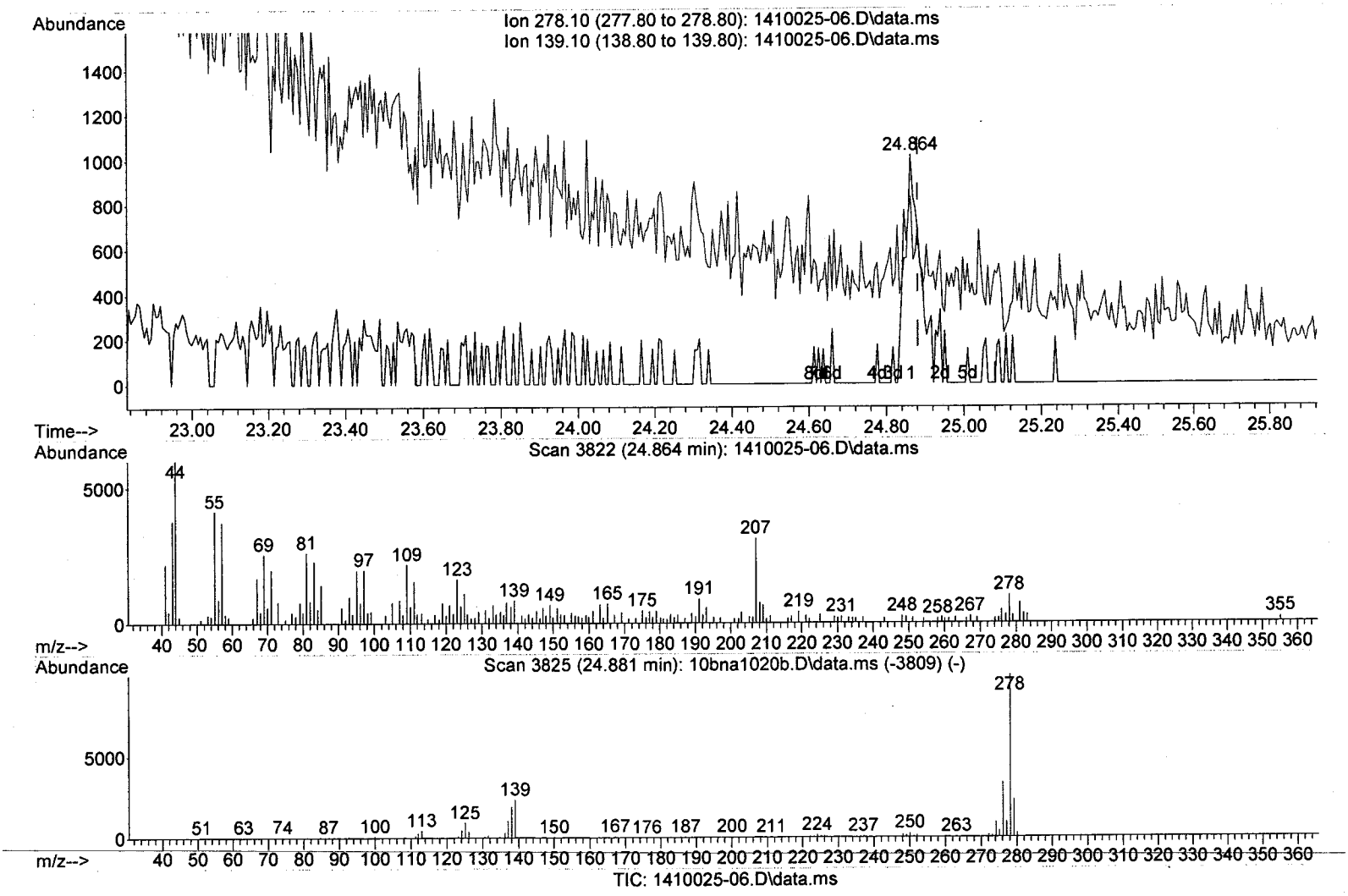
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	20.74#
0.00	0.00	0.00
0.00	0.00	0.00

003684

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-06.D\data.ms

(94) Dibdenz(a,h)anthracene

24.864min (-0.018) 0.11 ng/uL

response 2841

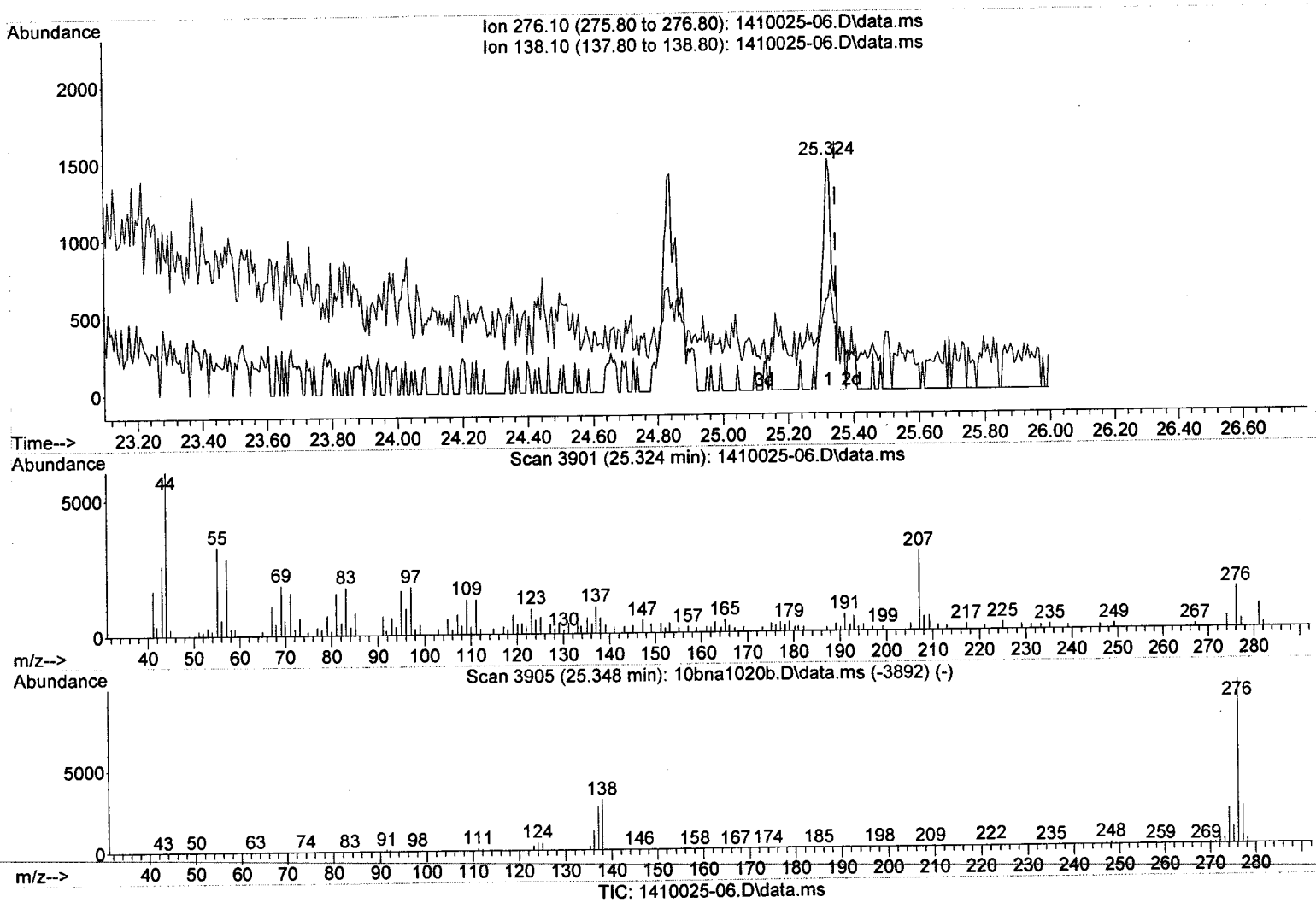
Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	20.73#
0.00	0.00	0.00
0.00	0.00	0.00

003685

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-06.D
Acq On : 21 Oct 2014 2:46
Operator : JLB
Sample : 1410025-06 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 08:23:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.324min (-0.023) 0.13 ng/uL

response 3715

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	31.60
0.00	0.00	0.00
0.00	0.00	0.00

003686

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-06RE1 File ID: 1410025-06 5x.D

Sampled: 09/30/14 13:21 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 17:08

Solids: 97.76 Preparation: 3550C Sonication Extract Initial/Final: 29.2 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	5	85	24	85	85	U
208-96-8	Acenaphthylene	5	85	21	85	85	U
120-12-7	Anthracene	5	85	21	85	85	U
56-55-3	Benzo(a)anthracene	5	43	14	43	85	U
50-32-8	Benzo(a)pyrene	5	43	12	43	85	U
205-99-2	Benzo(b)fluoranthene	5	11	9.8	43	85	J
207-08-9	Benzo(k)fluoranthene	5	43	10	43	85	U
191-24-2	Benzo(g,h,i)perylene	5	43	9.7	43	170	U
65-85-0	Benzoic Acid	5	850	350	850	1700	U
100-51-6	Benzyl Alcohol	5	85	24	85	85	U
101-55-3	4-Bromophenyl Phenyl Ether	5	85	21	85	85	U
85-68-7	Butyl Benzyl Phthalate	5	42	20	85	170	J
86-74-8	Carbazole	5	85	21	85	850	U
59-50-7	4-Chloro-3-methylphenol	5	85	26	85	85	U
106-47-8	4-Chloroaniline	5	85	45	85	340	U
111-91-1	Bis(2-chloroethoxy)methane	5	85	21	85	85	U
111-44-4	Bis(2-chloroethyl) Ether	5	85	20	85	85	U
108-60-1	Bis(2-chloroisopropyl) Ether	5	43	19	43	85	U
91-58-7	2-Chloronaphthalene	5	85	25	85	85	U
95-57-8	2-Chlorophenol	5	85	20	85	85	U
7005-72-3	4-Chlorophenyl Phenyl Ether	5	85	19	85	85	U
218-01-9	Chrysene	5	85	20	85	85	U
53-70-3	Dibenz(a,h)anthracene	5	43	9.8	43	170	U
132-64-9	Dibenzofuran	5	85	25	85	85	U
84-74-2	Di-n-butyl Phthalate	5	170	69	170	340	U
106-46-7	1,4-Dichlorobenzene	5	85	25	85	85	U
95-50-1	1,2-Dichlorobenzene	5	85	28	85	85	U
541-73-1	1,3-Dichlorobenzene	5	85	29	85	85	U
91-94-1	3,3′-Dichlorobenzidine	5	3400	1400	3400	4300	U
120-83-2	2,4-Dichlorophenol	5	85	21	85	170	U
84-66-2	Diethyl Phthalate	5	85	25	85	85	U
105-67-9	2,4-Dimethylphenol	5	680	190	680	850	U
131-11-3	Dimethyl Phthalate	5	85	24	85	85	U
534-52-1	4,6-Dinitro-2-methylphenol	5	340	110	340	850	U
51-28-5	2,4-Dinitrophenol	5	850	290	850	850	U
606-20-2	2,6-Dinitrotoluene	5	43	21	43	85	U
121-14-2	2,4-Dinitrotoluene	5	43	17	43	170	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-06RE1 File ID: 1410025-06 5x.D

Sampled: 09/30/14 13:21 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 17:08

Solids: 97.76 Preparation: 3550C Sonication Extract Initial/Final: 29.2 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	5	63	20	85	85	JB
122-66-7	1,2-Diphenylhydrazine	5	43	17	43	85	U
117-81-7	Bis(2-ethylhexyl) Phthalate	5	500	59	85	170	
206-44-0	Fluoranthene	5	85	23	85	85	U
86-73-7	Fluorene	5	85	21	85	170	U
118-74-1	Hexachlorobenzene	5	85	24	85	85	U
87-68-3	Hexachlorobutadiene	5	85	23	85	85	U
67-72-1	Hexachloroethane	5	85	26	85	85	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	43	14	43	170	U
78-59-1	Isophorone	5	85	20	85	85	U
91-57-6	2-Methylnaphthalene	5	85	23	85	85	U
108-39-4	3+4-Methylphenol	5	43	19	43	85	U
95-48-7	2-Methylphenol	5	43	18	43	85	U
91-20-3	Naphthalene	5	85	29	85	85	U
100-01-6	4-Nitroaniline	5	340	130	340	1700	U
88-74-4	2-Nitroaniline	5	43	18	43	85	U
99-09-2	3-Nitroaniline	5	170	84	170	1700	U
98-95-3	Nitrobenzene	5	85	24	85	85	U
88-75-5	2-Nitrophenol	5	85	23	85	85	U
100-02-7	4-Nitrophenol	5	1700	520	1700	3400	U
62-75-9	N-Nitroso-dimethylamine	5	34	17	34	170	U
86-30-6	N-Nitroso-diphenylamine	5	43	18	43	85	U
621-64-7	N-Nitroso-di-n-propylamine	5	85	21	85	85	U
87-86-5	Pentachlorophenol	5	85	68	85	850	U
85-01-8	Phenanthrene	5	85	21	85	85	U
108-95-2	Phenol	5	85	20	85	850	U
129-00-0	Pyrene	5	85	22	85	85	U
120-82-1	1,2,4-Trichlorobenzene	5	85	23	85	85	U
95-95-4	2,4,5-Trichlorophenol	5	85	23	85	85	U
88-06-2	2,4,6-Trichlorophenol	5	43	13	43	85	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	701	466	67	33 - 113	D
Phenol-d6	701	550	78	30 - 115	D
Nitrobenzene-d5	350	256	73	33 - 131	D
2-Fluorobiphenyl	350	272	78	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-06RE1
File ID: 1410025-06 5x.D
Sampled: 09/30/14 13:21
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 17:08
Solids: 97.76
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21047
Calibration: 4J06006
Instrument: 339

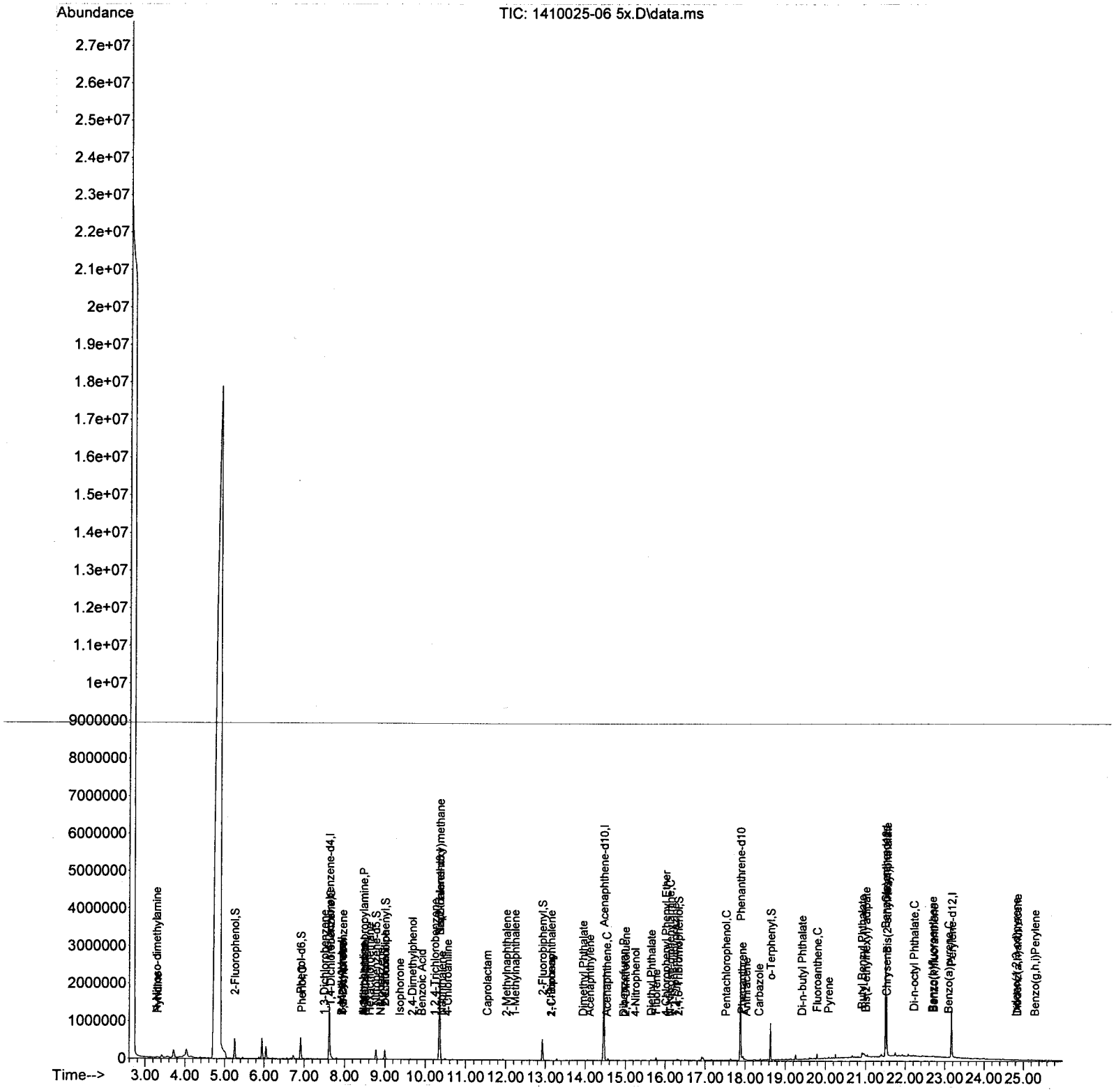
System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	701	28.0	4	12 - 124	D
o-Terphenyl	350	293	84	20 - 155	D

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	419454	7.617	403279	7.614	
Naphthalene-d8	1669103	10.351	1529030	10.359	
Acenaphthene-d10	944235	14.46	866604	14.474	
Phenanthrene-d10	1476289	17.881	1400442	17.901	
Chrysene-d12	1168536	21.501	1153654	21.538	
Perylene-d12	729973	23.174	991596	23.211	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-06 5x.D
Acq On : 21 Oct 2014 17:08
Operator : JLB
Sample : 1410025-06 5x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 08:09:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



003690

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-06 5x.D
Acq On : 21 Oct 2014 17:08
Operator : JLB
Sample : 1410025-06 5x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

rel

Quant Time: Oct 22 08:09:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.617	152	419454	5.00 ng/uL	# 0.00
20) Naphthalene-d8	10.351	136	1669103	5.00 ng/uL	0.00
42) Acenaphthene-d10	14.460	164	944235	5.00 ng/uL	-0.01
66) Phenanthrene-d10	17.881	188	1476289	5.00 ng/uL	0.00
81) Chrysene-d12	21.501	240	1168536	5.00 ng/uL	# 0.00
89) Perylene-d12	23.174	264	729973	5.00 ng/uL	# 0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.256	112	254633	2.66 ng/uL	0.07
6) Phenol-d6	6.912	99	389922	3.14 ng/uL	0.00
21) Nitrobenzene-d5	8.771	82	155621	1.46 ng/uL	-0.02
23) Decafluorobiphenyl	8.998	334	99914	1.34 ng/uL	-0.01
47) 2-Fluorobiphenyl	12.921	172	301716	1.55 ng/uL	-0.02
70) 2,4,6-Tribromophenol	16.337	330	3609	0.16 ng/uL	-0.02
78) o-Terphenyl	18.639	230	211797	1.67 ng/uL	0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	3.286	74	69	0.00 ng/uL#	1
3) Pyridine	3.310	79	436	0.00 ng/uL	95
5) Aniline	0.000		0	N.D.	
7) Phenol	6.935	94	889	0.01 ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.	
9) 2-Chlorophenol	0.000		0	N.D.	
10) 1,3-Dichlorobenzene	7.489	146	436	0.00 ng/uL#	1
11) 1,4-Dichlorobenzene	7.640	146	287	0.00 ng/uL#	1
12) 1,2-Dichlorobenzene	7.949	146	432	0.00 ng/uL#	81
13) Bis(2-chloroisipropyl)...	0.000		0	N.D.	
14) Benzyl Alcohol	7.920	108	1656	0.02 ng/uL	83
15) 2-Methylphenol	7.920	108	1656	0.02 ng/uL#	69
16) Acetophenone	8.462	105	499	0.00 ng/uL#	72
17) Hexachloroethane	8.614	119	83	0.00 ng/uL#	3
18) 4-Methylphenol	8.491	108	340	0.00 ng/uL#	80
19) N-Nitroso-di-n-propyla...	8.474	70	447	0.01 ng/uL#	1
22) Nitrobenzene	8.888	77	61	0.00 ng/uL#	30
24) Isophorone	9.366	82	336	0.00 ng/uL#	58
25) 2-Chloroaniline	8.993	127	1308	0.01 ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.	
27) 2,4-Dimethylphenol	9.680	107	63	0.00 ng/uL#	1
28) Bis(2-chlorethoxy)methane	10.351	93	926	0.01 ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.	
30) Benzoic Acid	9.908	105	130	~~2.46~~ ng/uL#	16
31) 1,2,4-Trichlorobenzene	10.228	180	271	0.00 ng/uL	90
32) Naphthalene	10.403	128	976	0.00 ng/uL#	74
33) 4-Chloroaniline	10.543	127	120	0.00 ng/uL#	27
34) 2,6-Dichlorophenol	0.000		0	N.D.	
35) Hexachlorobutadiene	0.000		0	N.D.	
36) Caprolactam	11.528	55	8806	0.18 ng/uL#	36
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.	
38) 4-Chloro-3-methylphenol	0.000		0	N.D.	
39) 2-Methylnaphthalene	12.012	142	1475	0.01 ng/uL#	87
40) 1-Methylnaphthalene	12.233	142	1064	0.01 ng/uL#	87
41) 1,3 Dinitrobenzene	14.023	168	87	Below Cal	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-06 5x.D
Acq On : 21 Oct 2014 17:08
Operator : JLB
Sample : 1410025-06 5x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 08:09:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.143	162	56	0.00 ng/uL#	4
49) 1,1'-Biphenyl	13.143	154	720	0.00 ng/uL#	79
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.110	152	544	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.941	163	265	0.00 ng/uL#	1
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.530	153	927	0.00 ng/uL#	80
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.949	168	670	0.00 ng/uL#	41
58) 4-Nitrophenol	15.252	65	116	0.00 ng/uL#	1
59) 2,4-Dinitrotoluene	14.996	165	90	0.00 ng/uL#	6
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.765	166	975	0.00 ng/uL#	1
63) Diethyl Phthalate	15.649	149	7356	0.04 ng/uL	99
64) 4-Chlorophenyl Phenyl ...	16.016	204	144	0.00 ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.121	169	1281	0.01 ng/uL#	29
69) 1,2-Diphenylhydrazine	16.243	182	855	0.01 ng/uL#	72
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.520	266	319	0.01 ng/uL#	1
75) Phenanthrene	17.922	178	17096	0.06 ng/uL	98
76) Anthracene	18.021	178	4817	0.02 ng/uL#	72
77) Carbazole	18.342	167	2144	0.01 ng/uL#	90
79) Di-n-butyl Phthalate	19.414	149	635	0.00 ng/uL	99
80) Fluoroanthene	19.793	202	13427	0.05 ng/uL#	79
82) Pyrene	20.079	202	15133	0.05 ng/uL	93
83) Butyl Benzyl Phthalate	20.906	149	26780	0.24 ng/uL	97
84) Bis(2-ethylhexyl) adipate	21.005	129	1133	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.495	228	10937	0.05 ng/uL#	42
86) Chrysene	21.524	228	8073	0.04 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.536	149	403506	2.88 ng/uL	91
88) Di-n-octyl Phthalate	22.212	149	5511m	0.36 ng/uL	
90) Benzo(b)fluoroanthene	22.678	252	8026	0.06 ng/uL#	85
91) Benzo(k)fluoranthene	22.719	252	6238	0.04 ng/uL#	86
92) Benzo(a)pyrene	23.092	252	5535	0.04 ng/uL#	87
93) Indeno(1,2,3-cd)pyrene	24.806	276	4081	0.04 ng/uL#	88
94) Dibdenz(a,h)anthracene	24.841	278	2397	0.03 ng/uL#	91
95) Benzo(g,h,i)Perylene	25.289	276	3481	0.04 ng/uL#	54

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-06 5x.D
Acq On : 21 Oct 2014 17:08
Operator : JLB
Sample : 1410025-06 5x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 07:53:46 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

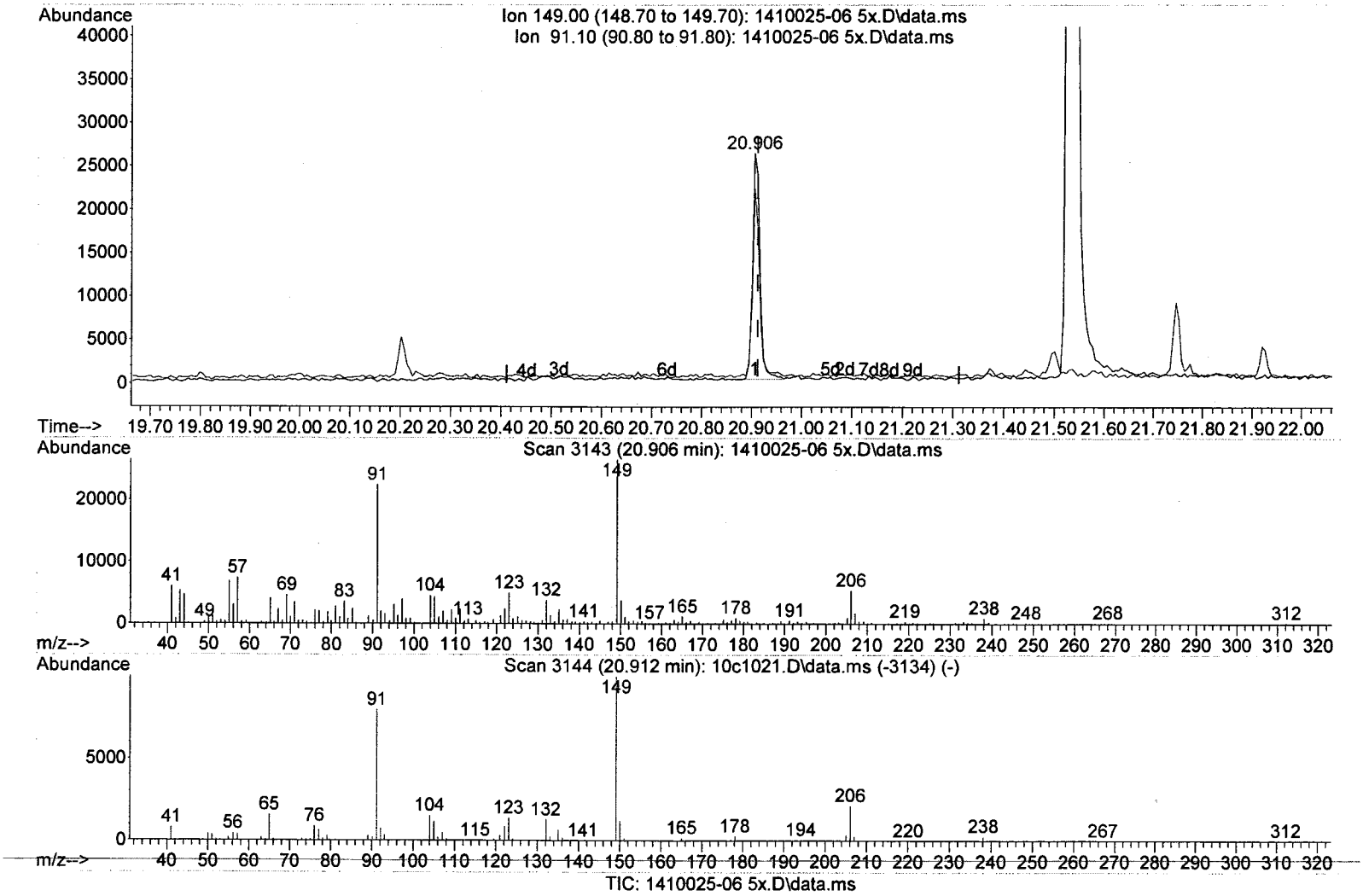
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.617	152	415600	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.351	136	1669103	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.460	164	939023	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.881	188	1478108	5.00	ng/uL	0.00
19) Chrysene-d12	21.501	240	1168536	5.00	ng/uL	# 0.00
22) Perylene-d12	23.174	264	729973	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.937	74	675	0.01	ng/uL#	1
3) Pyridine	3.310	79	436	0.00	ng/uL	95
4) Aniline	0.000		0	N.D.		
5) Benzaldehyde	6.778	105	744	0.01	ng/uL#	1
6) Acetophenone	8.462	105	499	0.00	ng/uL#	72
7) N-Nitroso-di-n-propyla...	8.474	70	447	0.01	ng/uL#	1
9) 4-Chloroaniline	10.543	127	120	0.01	ng/uL#	27
10) Caprolactam	11.336	55	432	0.10	ng/uL#	1
12) 1,1'-Biphenyl	13.143	154	720	0.00	ng/uL#	79
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	16.121	169	1281	0.01	ng/uL#	29
18) Atrazine	0.000		0	N.D.		
20) Benzidine	20.020	184	2278	0.42	ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.431	252	264	0.00	ng/uL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-06 5x.D
Acq On : 21 Oct 2014 17:08
Operator : JLB
Sample : 1410025-06 5x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 08:08:28 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.906min (-0.006) 0.24 ng/uL

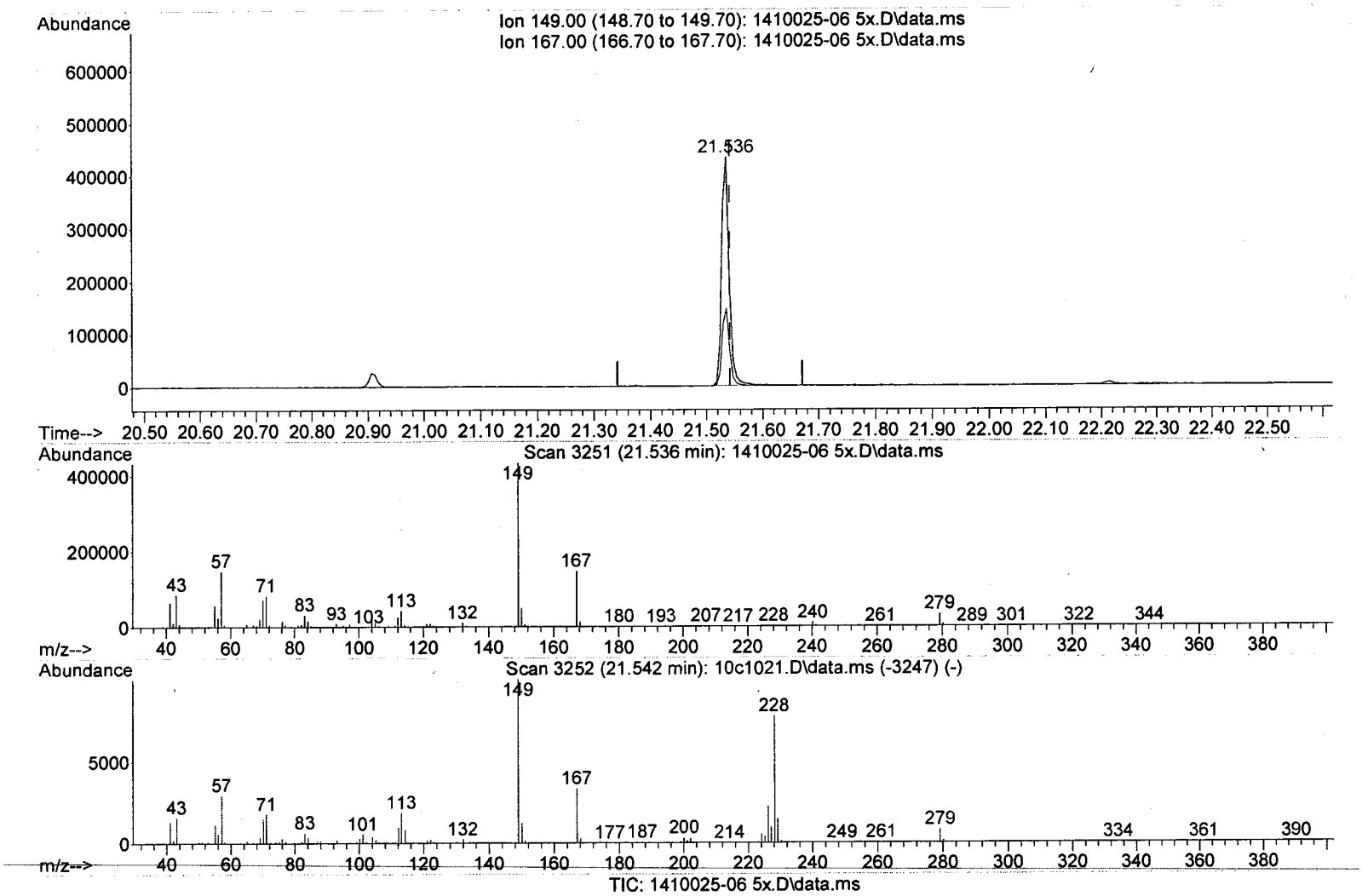
response 26780

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	82.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-06 5x.D
Acq On : 21 Oct 2014 17:08
Operator : JLB
Sample : 1410025-06 5x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 08:08:28 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06 5x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.536min (-0.006) 2.88 ng/uL

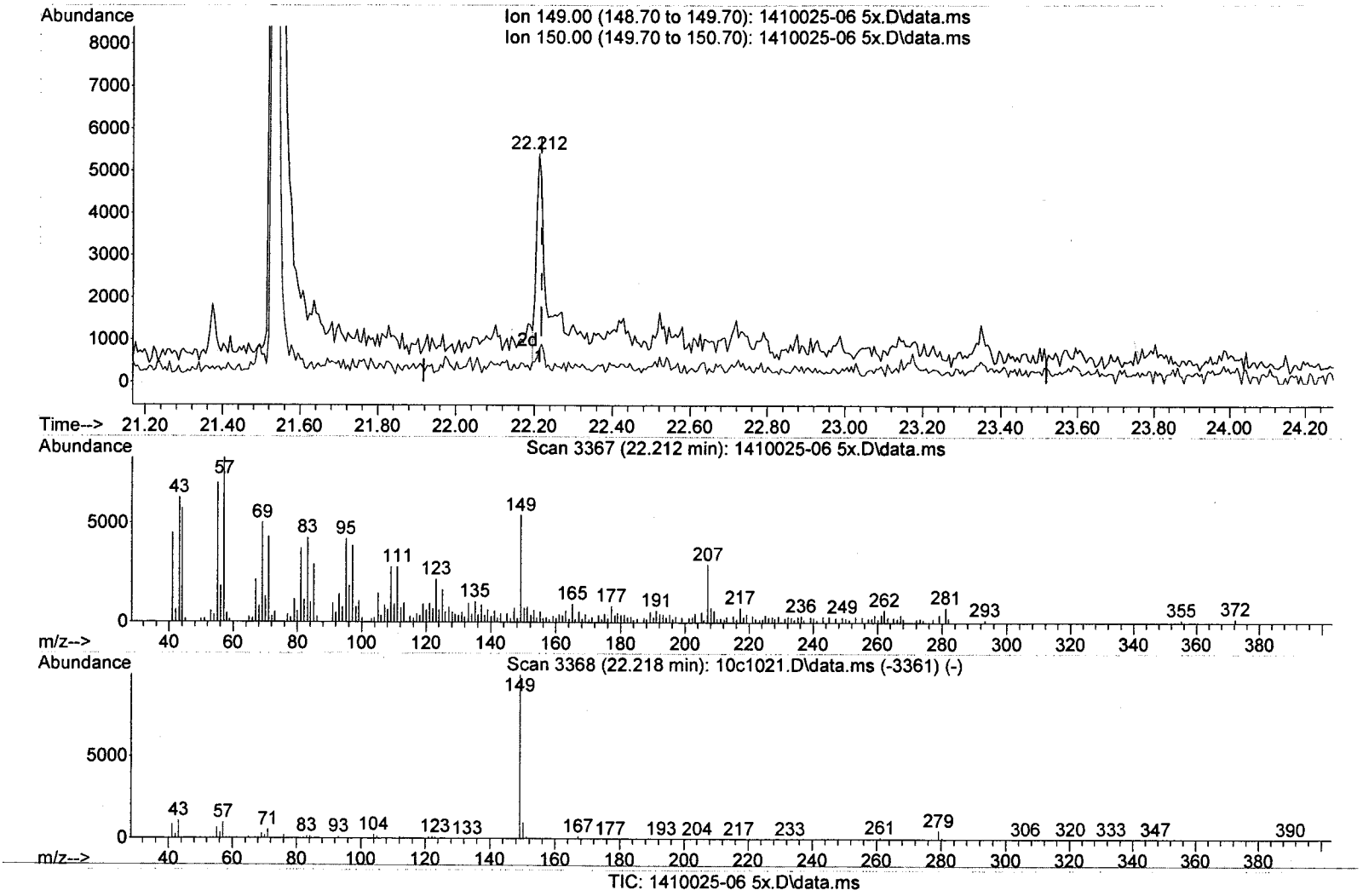
response 403506

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-06 5x.D
Acq On : 21 Oct 2014 17:08
Operator : JLB
Sample : 1410025-06 5x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 08:08:28 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06 5x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.51 ng/uL

response 43467

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	2.05#
0.00	0.00	0.00
0.00	0.00	0.00

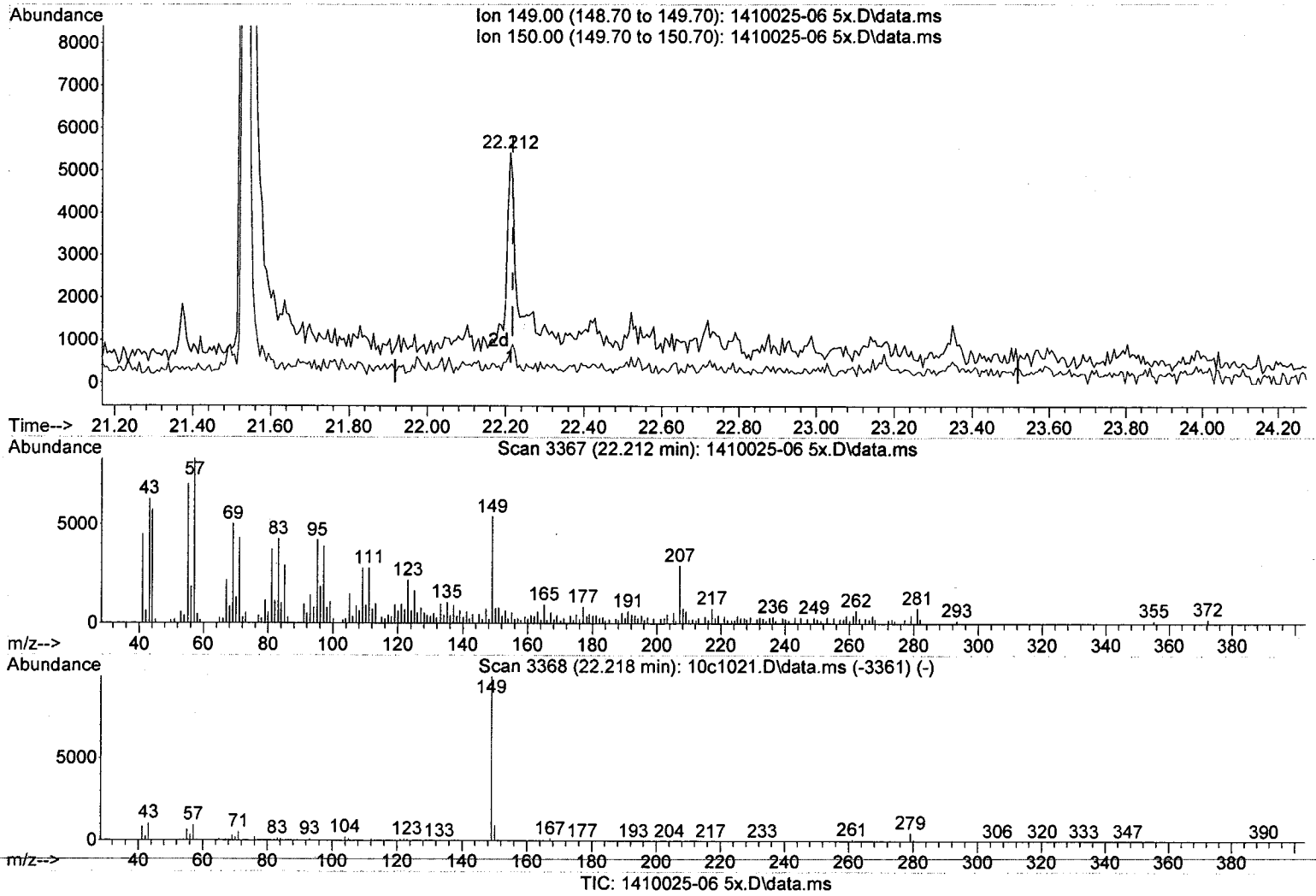
JLB 10/22/14

DW 10.22.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-06 5x.D
Acq On : 21 Oct 2014 17:08
Operator : JLB
Sample : 1410025-06 5x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 08:08:28 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06 5x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.36 ng/uL m

response 5511

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	16.17#
0.00	0.00	0.00
0.00	0.00	0.00

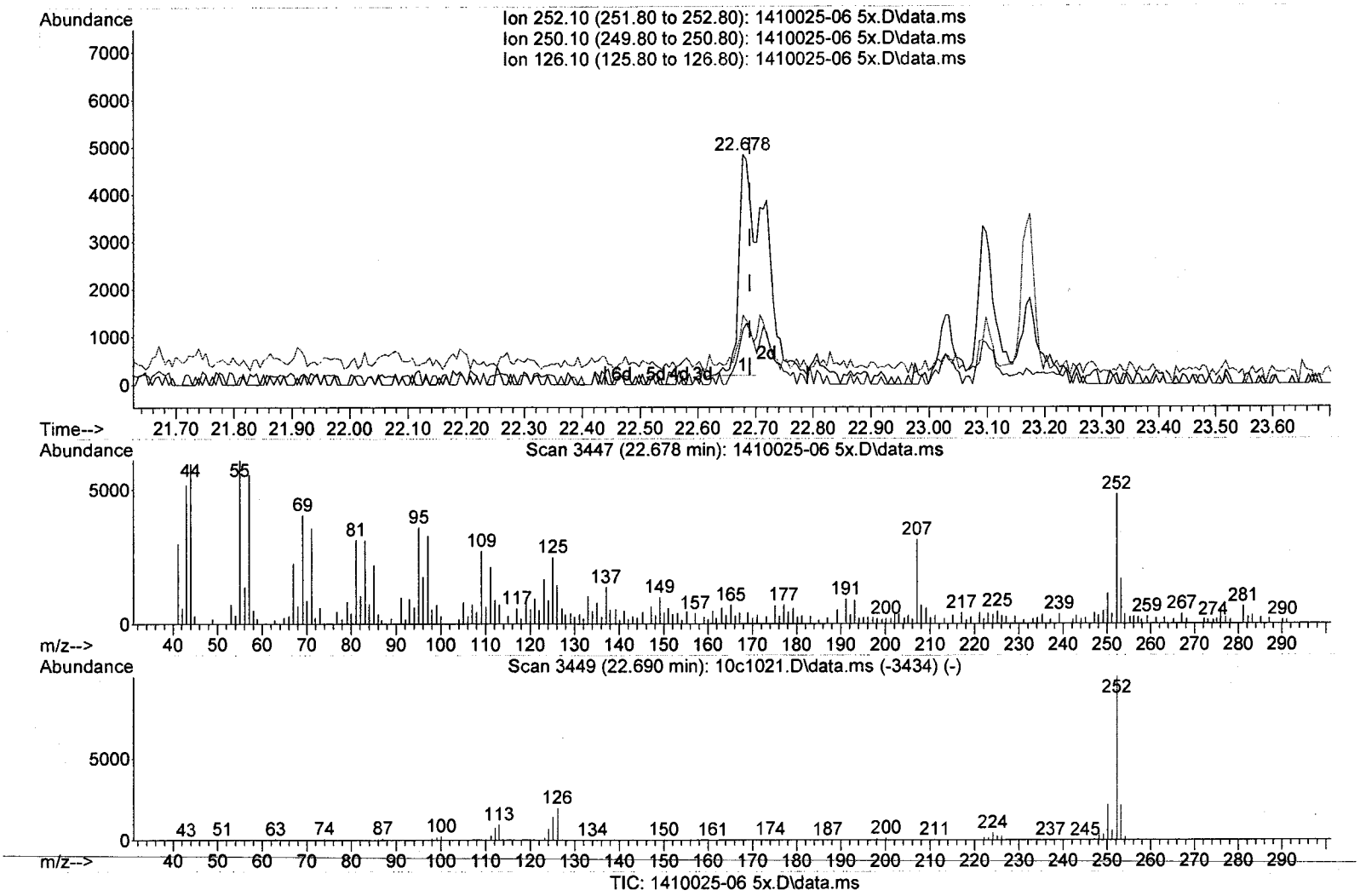
Manual Integration Explanation
Reason 3: Incorrect baseline drawn by the software.
Flagged on Quantitation Report: (Yes / No)
Analyst: JLB Date: 10/22/14
Reviewed By: DW Date: 10-22-14

003697

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410025-06 5x.D
Acq On : 21 Oct 2014 17:08
Operator : JLB
Sample : 1410025-06 5x Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 08:08:28 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06 5x.D\data.ms

(90) Benzo(b)fluoroanthene

22.678min (-0.012) 0.06 ng/uL

response 8026

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	29.57#
126.10	17.20	23.71#
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-06RE2 File ID: 1410025-06re2.D

Sampled: 09/30/14 13:21 Prepared: 10/22/14 08:32 Analyzed: 10/22/14 14:12

Solids: 97.76 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410920 Sequence: 4J22044 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	3.5	2.8	8.5	17	J
50-32-8	Benzo(a)pyrene	1	5.0	2.4	8.5	17	J
205-99-2	Benzo(b)fluoranthene	1	7.1	2.0	8.5	17	J
207-08-9	Benzo(k)fluoranthene	1	4.2	2.0	8.5	17	J
191-24-2	Benzo(g,h,i)perylene	1	3.9	1.9	8.5	34	J
65-85-0	Benzoic Acid	1	170	71	170	340	U
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	32	4.1	17	34	J
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	4.2	4.0	17	17	J
53-70-3	Dibenz(a,h)anthracene	1	2.8	2.0	8.5	34	J
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	17	5.0	17	17	U
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-06RE2 File ID: 1410025-06re2.D

Sampled: 09/30/14 13:21 Prepared: 10/22/14 08:32 Analyzed: 10/22/14 14:12

Solids: 97.76 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410920 Sequence: 4J22044 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	13	4.0	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	520	12	17	34	
206-44-0	Fluoranthene	1	5.0	4.6	17	17	J
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	4.2	2.7	8.5	34	J
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	5.3	4.2	17	17	J
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	5.7	4.4	17	17	J
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	708	550	78	33 - 113	
Phenol-d6	708	597	84	30 - 115	
Nitrobenzene-d5	354	300	85	33 - 131	
2-Fluorobiphenyl	354	317	90	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-06RE2
File ID: 1410025-06re2.D
Sampled: 09/30/14 13:21
Prepared: 10/22/14 08:32
Analyzed: 10/22/14 14:12
Solids: 97.76
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410920
Sequence: 4J22044
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	708	295	42	12 - 124	
o-Terphenyl	354	319	90	20 - 155	

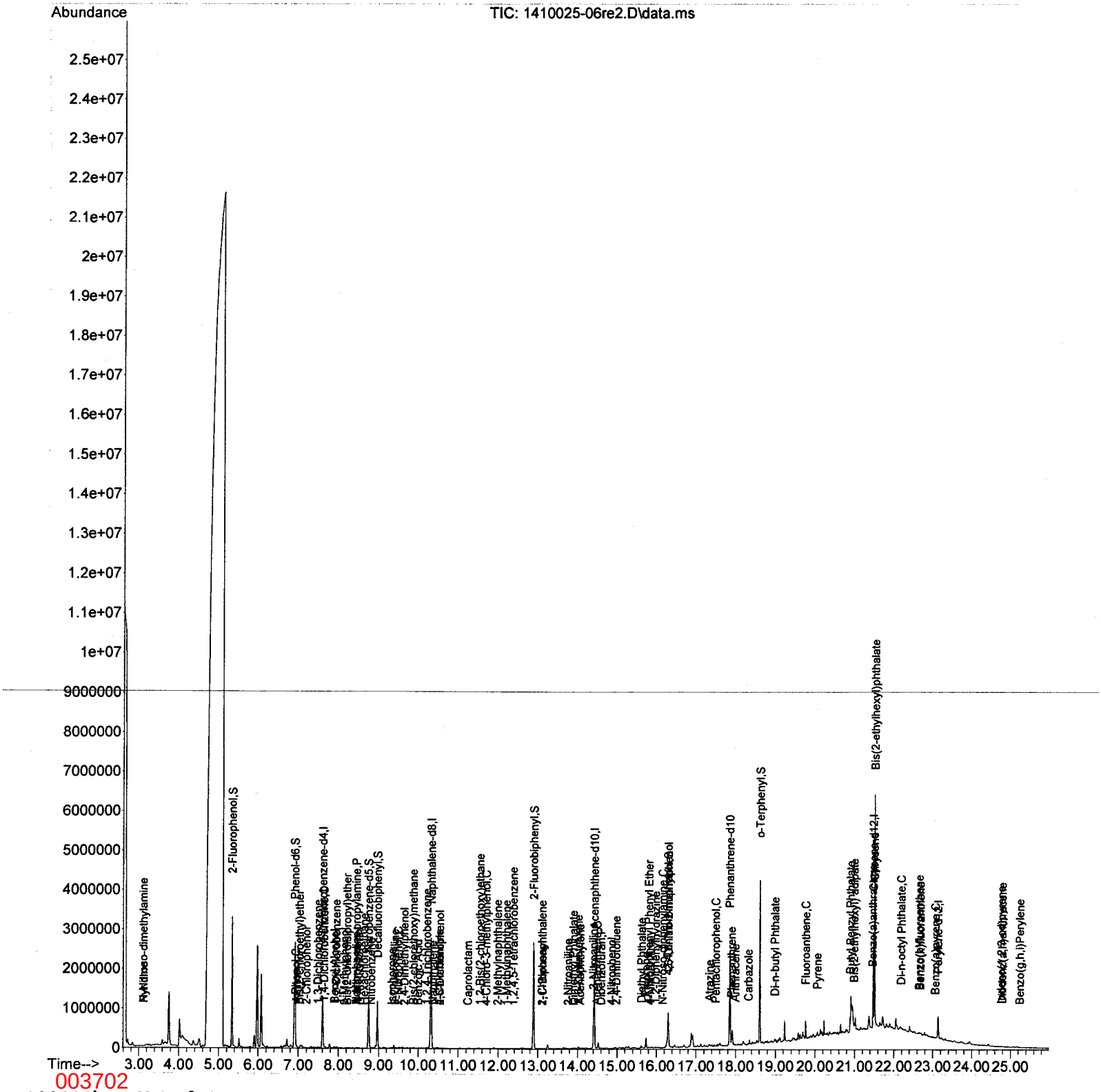
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	372449	7.605	403279	7.614	
Naphthalene-d8	1438386	10.321	1529030	10.359	
Acenaphthene-d10	802502	14.425	866604	14.474	
Phenanthrene-d10	1279053	17.852	1400442	17.901	
Chrysene-d12	951716	21.477	1153654	21.538	
Perylene-d12	340695	23.139	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:46:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:46:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.605	152	372449	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.321	136	1438386	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.425	164	802502	5.00	ng/uL	-0.02
66) Phenanthrene-d10	17.852	188	1279053	5.00	ng/uL	0.00
81) Chrysene-d12	21.477	240	951716	5.00	ng/uL	# 0.00
89) Perylene-d12	23.139	264	340695 (low)	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.338	112	1321714	15.53	ng/uL	0.18
6) Phenol-d6	6.912	99	1857332	16.86	ng/uL	0.02
21) Nitrobenzene-d5	8.748	82	779799	8.48	ng/uL	-0.01
23) Decafluorobiphenyl	8.969	334	491089	7.62	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.892	172	1483551	8.95	ng/uL	-0.02
70) 2,4,6-Tribromophenol	16.302	330	161616	8.33	ng/uL	-0.02
78) o-Terphenyl	18.616	230	986987	9.00	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.111	74	109	0.00	ng/uL#	1
3) Pyridine	3.123	79	940	0.01	ng/uL#	35
5) Aniline	6.952	93	144	0.22	ng/uL#	33
7) Phenol	6.935	94	4963	0.04	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.022	93	349	0.00	ng/uL#	54
9) 2-Chlorophenol	7.191	128	377	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.483	146	4274	0.04	ng/uL#	17
11) 1,4-Dichlorobenzene	7.634	146	1897	0.02	ng/uL#	1
12) 1,2-Dichlorobenzene	7.937	146	4094	0.04	ng/uL#	40
13) Bis(2-chloroisipropyl)...	8.211	45	386	0.00	ng/uL#	51
14) Benzyl Alcohol	7.897	108	6533	0.10	ng/uL	99
15) 2-Methylphenol	8.147	108	200	0.00	ng/uL#	47
16) Acetophenone	8.445	105	2182	0.02	ng/uL#	65
17) Hexachloroethane	8.631	119	698	0.02	ng/uL#	3
18) 4-Methylphenol	8.485	108	890	0.01	ng/uL#	1
~~19) N-Nitroso-di-n-propyla...~~	~~8.450~~	~~70~~	~~1395~~	~~0.02~~	~~ng/uL#~~	~~35~~
22) Nitrobenzene	8.806	77	241	0.00	ng/uL#	1
24) Isophorone	9.331	82	4578	0.02	ng/uL#	87
25) 2-Chloroaniline	9.406	127	115	0.00	ng/uL#	1
26) 2-Nitrophenol	9.488	139	54	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.645	107	78	0.00	ng/uL#	28
28) Bis(2-chlorethoxy)methane	9.873	93	112	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.995	105	121	~~2.46~~	ng/uL#	1
31) 1,2,4-Trichlorobenzene	10.211	180	2345	0.03	ng/uL	95
32) Naphthalene	10.362	128	3841	0.01	ng/uL#	1
33) 4-Chloroaniline	10.520	127	971	0.01	ng/uL#	59
34) 2,6-Dichlorophenol	10.531	162	239	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.242	55	11059	0.27	ng/uL#	45
37) 1,2-Bis(2-chloroethoxy...	11.545	63	462	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.697	107	587	0.01	ng/uL#	1
39) 2-Methylnaphthalene	11.983	142	4604	0.03	ng/uL#	89
40) 1-Methylnaphthalene	12.204	142	3464	0.02	ng/uL#	88
41) 1,3 Dinitrobenzene	13.982	168	224	Below Cal		100

003703

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:46:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.379	216	231	0.00	ng/uL#	55
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.107	162	1082	0.01	ng/uL#	83
49) 1,1'-Biphenyl	13.113	154	2530	0.01	ng/uL	94
50) 2-Nitroaniline	13.760	138	225	0.00	ng/uL#	50
51) Acenaphthylene	14.069	152	919	0.00	ng/uL#	76
52) 2,6-Dinitrotoluene	14.023	165	1074	0.03	ng/uL#	54
53) Dimethyl Phthalate	13.894	163	1612	0.01	ng/uL#	50
54) 3-Nitroaniline	14.401	138	264	0.01	ng/uL#	1
55) Acenaphthene	14.495	153	2923	0.02	ng/uL	97
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.594	168	1493	0.01	ng/uL	95
58) 4-Nitrophenol	14.856	65	780	0.02	ng/uL#	26
59) 2,4-Dinitrotoluene	14.978	165	336	0.01	ng/uL#	64
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.730	166	2385	0.01	ng/uL#	9
63) Diethyl Phthalate	15.620	149	17554	0.11	ng/uL	95
64) 4-Chlorophenyl Phenyl ...	15.806	204	90	0.00	ng/uL#	1
65) 4-Nitroaniline	15.847	138	142	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.307	198	361	1.00	ng/uL#	1
68) N-Nitroso-diphenylamine	16.162	169	2372	0.02	ng/uL#	43
69) 1,2-Diphenylhydrazine	15.981	182	603	0.01	ng/uL	82
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.339	200	113	0.00	ng/uL	91
74) Pentachlorophenol	17.496	266	211	0.01	ng/uL#	1
75) Phenanthrene	17.893	178	36811	0.15	ng/uL	95
76) Anthracene	17.992	178	4660	0.02	ng/uL#	84
77) Carbazole	18.318	167	10340	0.05	ng/uL#	68
79) Di-n-butyl Phthalate	18.989	149	22981	0.09	ng/uL#	82
80) Fluoroanthene	19.770	202	32566	0.14	ng/uL	100
82) Pyrene	20.061	202	36920	0.16	ng/uL#	89
83) Butyl Benzyl Phthalate	20.889	149	81540	0.91	ng/uL	99
84) Bis(2-ethylhexyl) adipate	20.988	129	3175	0.11	ng/uL#	100
85) Benzo(a)anthracene	21.466	228	17627	0.10	ng/uL#	61
86) Chrysene	21.507	228	20303	0.12	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.518	149	1684096	14.75	ng/uL	93
88) Di-n-octyl Phthalate	22.189	149	7885m	0.38	ng/uL	
90) Benzo(b)fluoroanthene	22.655	252	12660	0.20	ng/uL#	70
91) Benzo(k)fluoranthene	22.684	252	8451	0.12	ng/uL#	74
92) Benzo(a)pyrene	23.069	252	8215	0.14	ng/uL#	71
93) Indeno(1,2,3-cd)pyrene	24.765	276	5901	0.12	ng/uL	90
94) Dibdenz(a,h)anthracene	24.794	278	3398	0.08	ng/uL#	69
95) Benzo(g,h,i)Perylene	25.243	276	4669	0.11	ng/uL#	55

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:09 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 09:59:32 2014
Response via : Initial Calibration

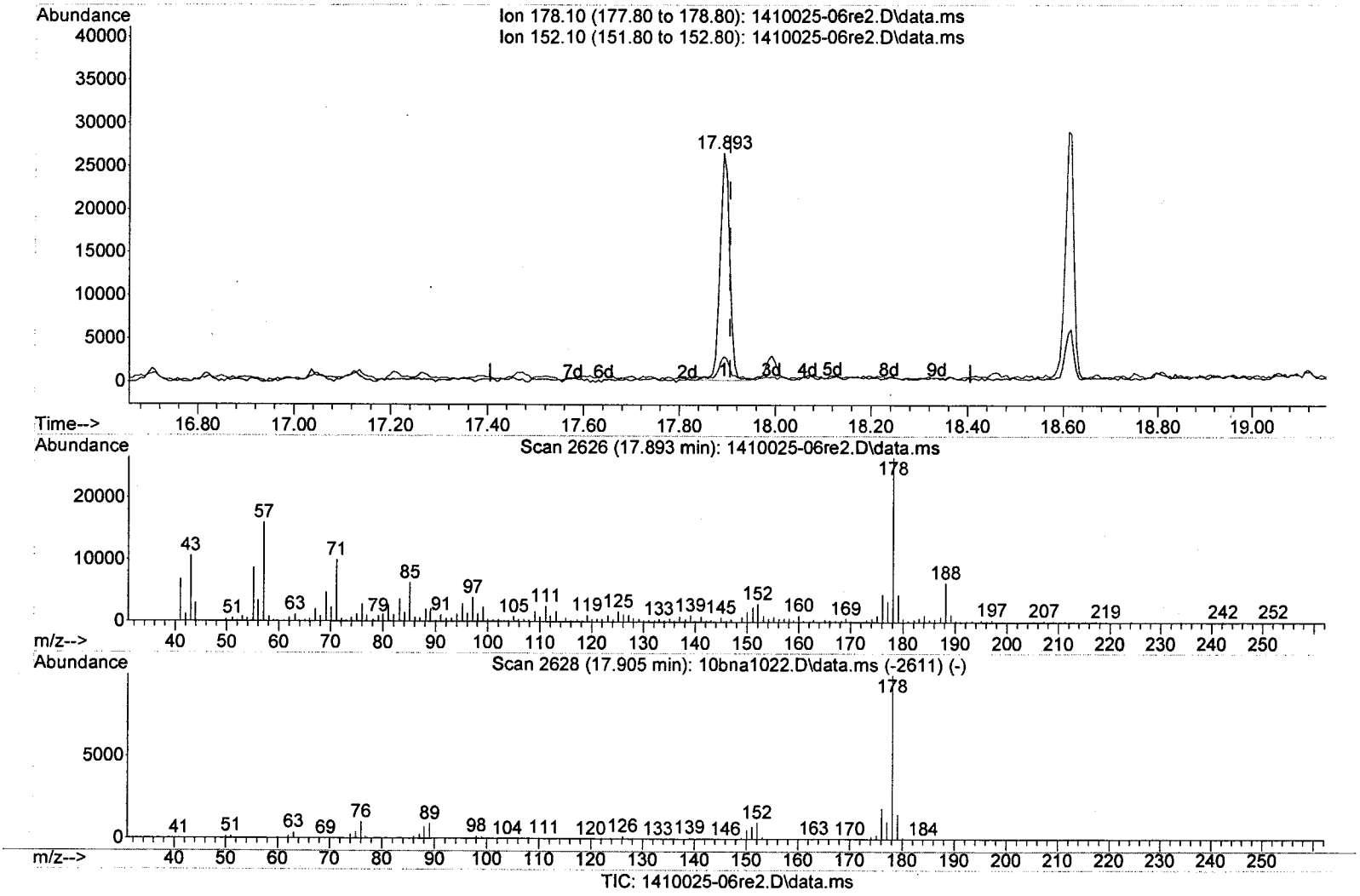
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.605	152	370819	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.321	136	1438386	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.425	164	800402	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.852	188	1282590	5.00	ng/uL		0.00
19) Chrysene-d12	21.477	240	952234	5.00	ng/uL	#	0.00
22) Perylene-d12	23.139	264	330044	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.216	74	585	0.01	ng/uL	#	1
3) Pyridine	3.123	79	940	0.01	ng/uL	#	35
4) Aniline	6.952	93	144	0.00	ng/uL	#	33
5) Benzaldehyde	6.708	105	798	0.01	ng/uL	#	74
6) Acetophenone	8.445	105	2182	0.02	ng/uL	#	65
7) N-Nitroso-di-n-propyla...	8.287	70	834	0.01	ng/uL		86
9) 4-Chloroaniline	10.520	127	971	0.02	ng/uL	#	59
10) Caprolactam	11.400	55	1301	0.12	ng/uL	#	52
12) 1,1'-Biphenyl	13.113	154	2530	0.01	ng/uL		94
13) 2-Nitroaniline	13.760	138	225	0.01	ng/uL	#	50
14) 3-Nitroaniline	14.401	138	264	Below Cal		#	1
15) 4-Nitroaniline	15.847	138	142	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.028	169	1082	0.01	ng/uL		96
18) Atrazine	17.537	200	120	Below Cal			91
20) Benzidine	20.312	184	62949	0.87	ng/uL	#	94
21) 3,3'-Dichlorobenzidine	21.646	252	683	0.01	ng/uL		86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2.D\data.ms

(75) Phenanthrene

17.893min (-0.013) 0.15 ng/uL

response 36811

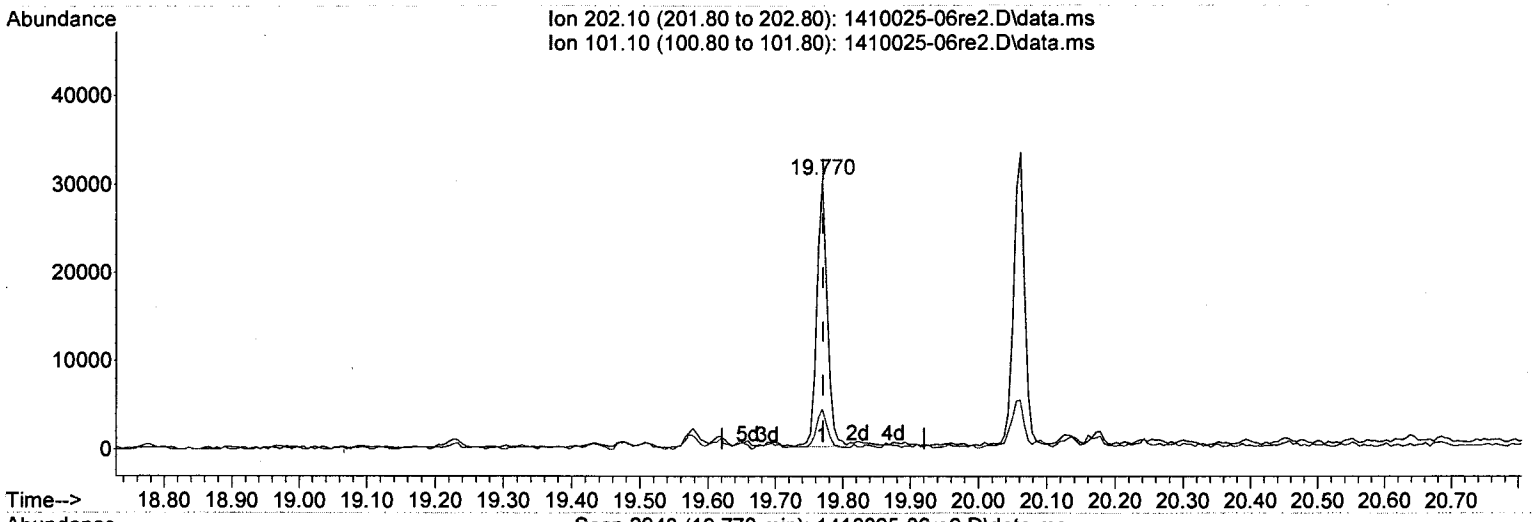
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	11.81
0.00	0.00	0.00
0.00	0.00	0.00

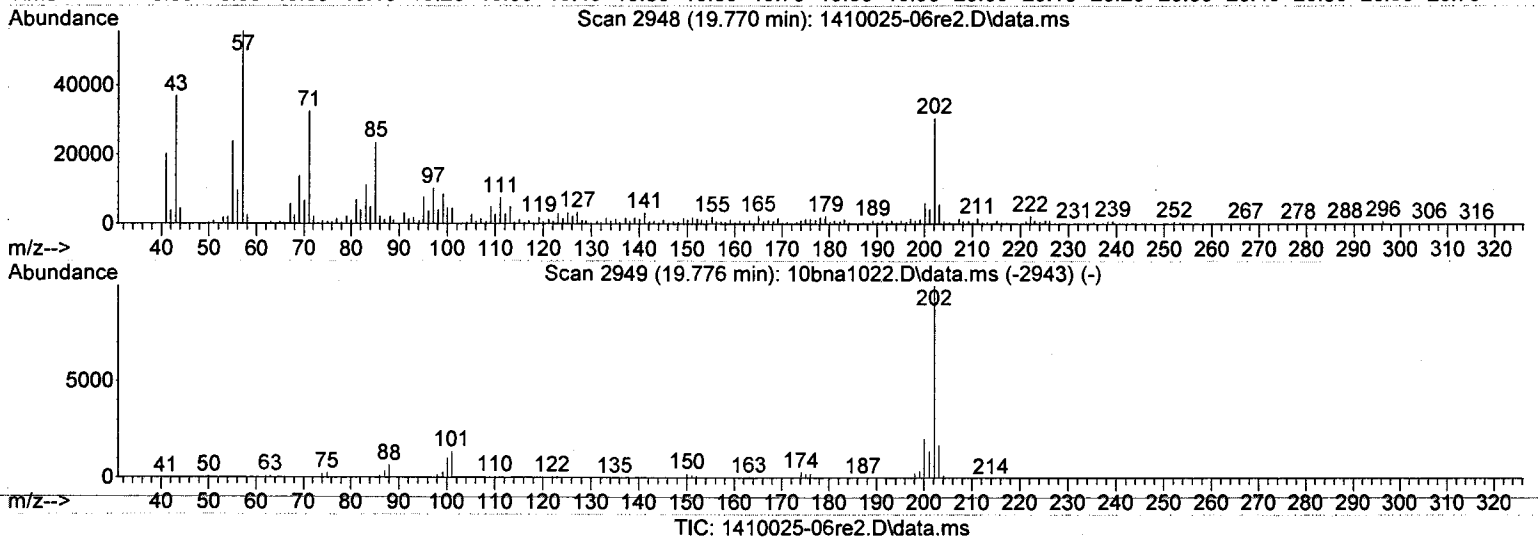
003706

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration





TIC: 1410025-06re2.D\data.ms

(80) Fluoroanthene (C)

19.770min (-0.001) 0.14 ng/uL

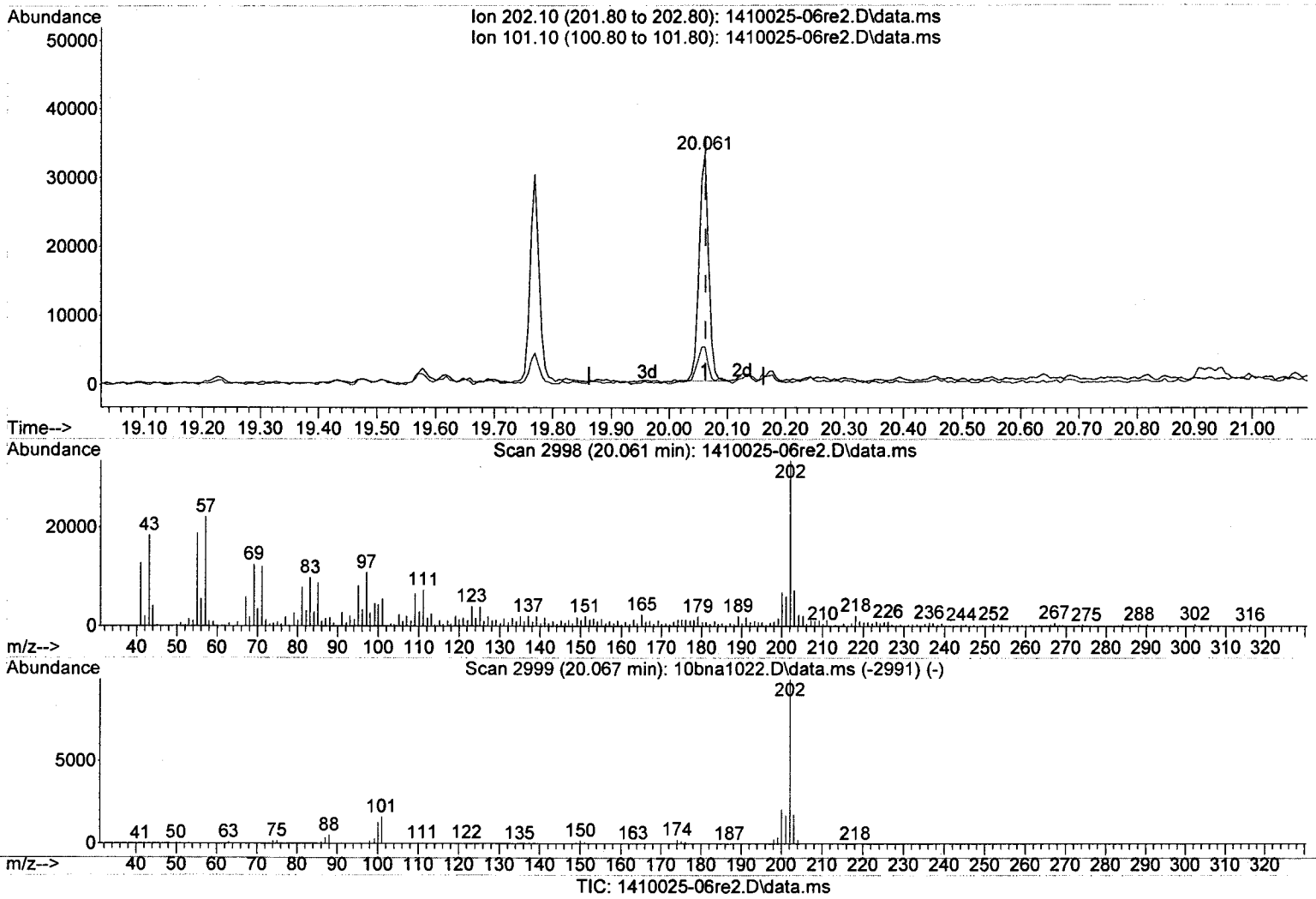
response 32566

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	16.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2.D\data.ms

(82) Pyrene

20.061min (-0.001) 0.16 ng/uL

response 36920

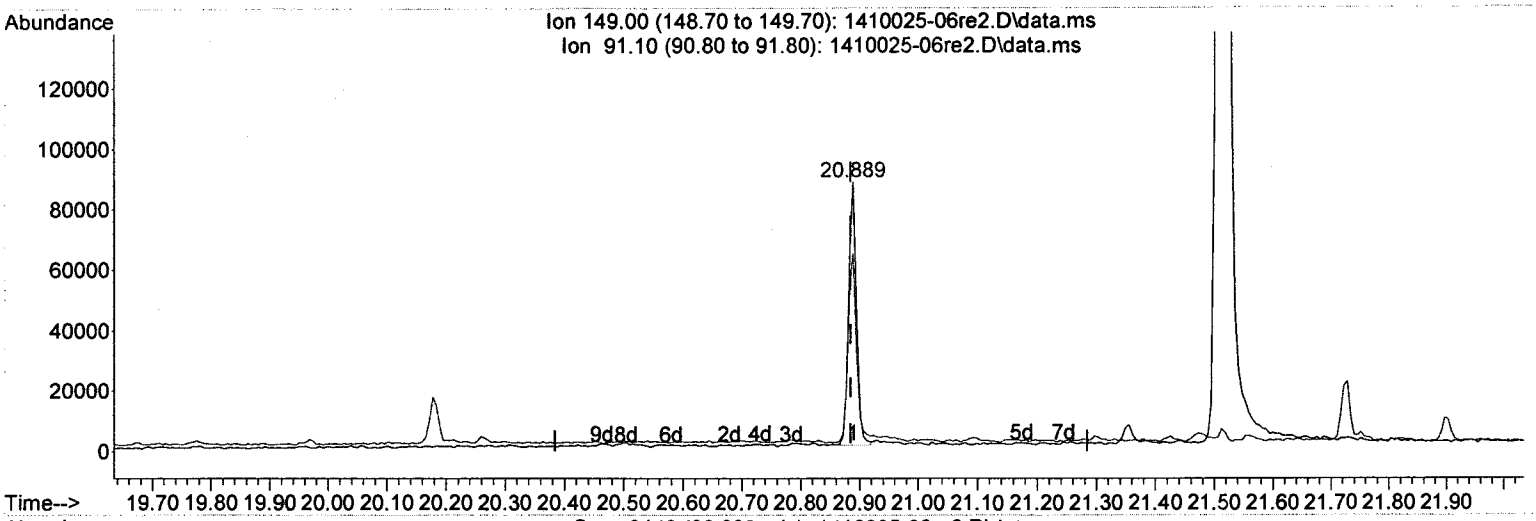
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	20.67#
0.00	0.00	0.00
0.00	0.00	0.00

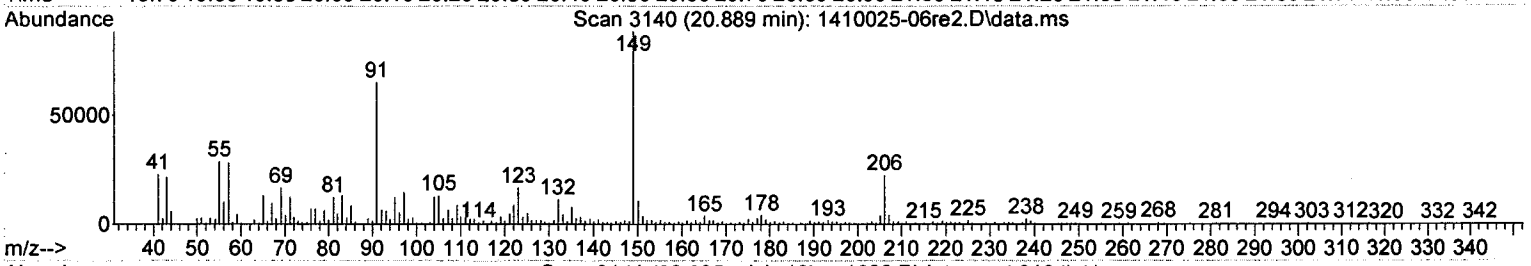
003708

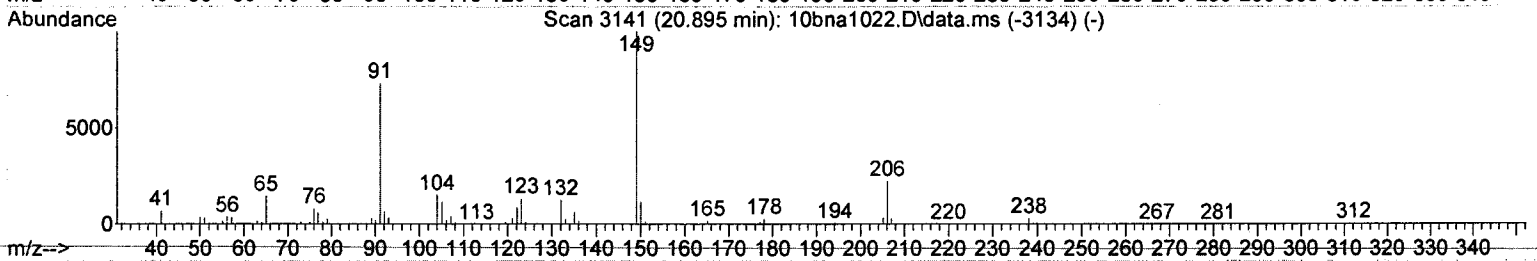
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410025-06re2.D\data.ms

(83) Butyl Benzyl Phthalate

20.889min (+ 0.005) 0.91 ng/uL

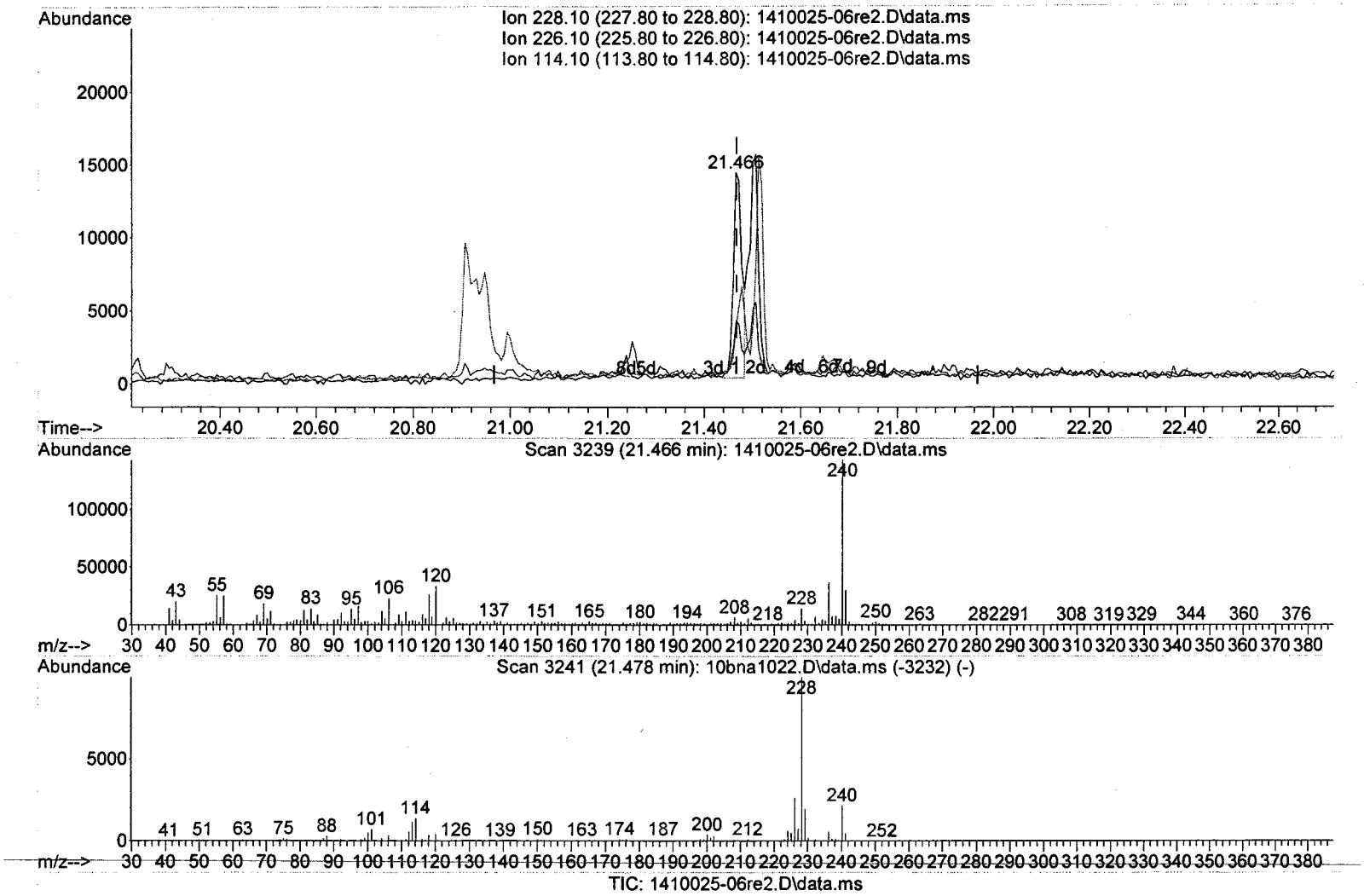
response 81540

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	83.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2.D\data.ms

(85) Benzo(a)anthracene

21.466min (-0.001) 0.10 ng/uL

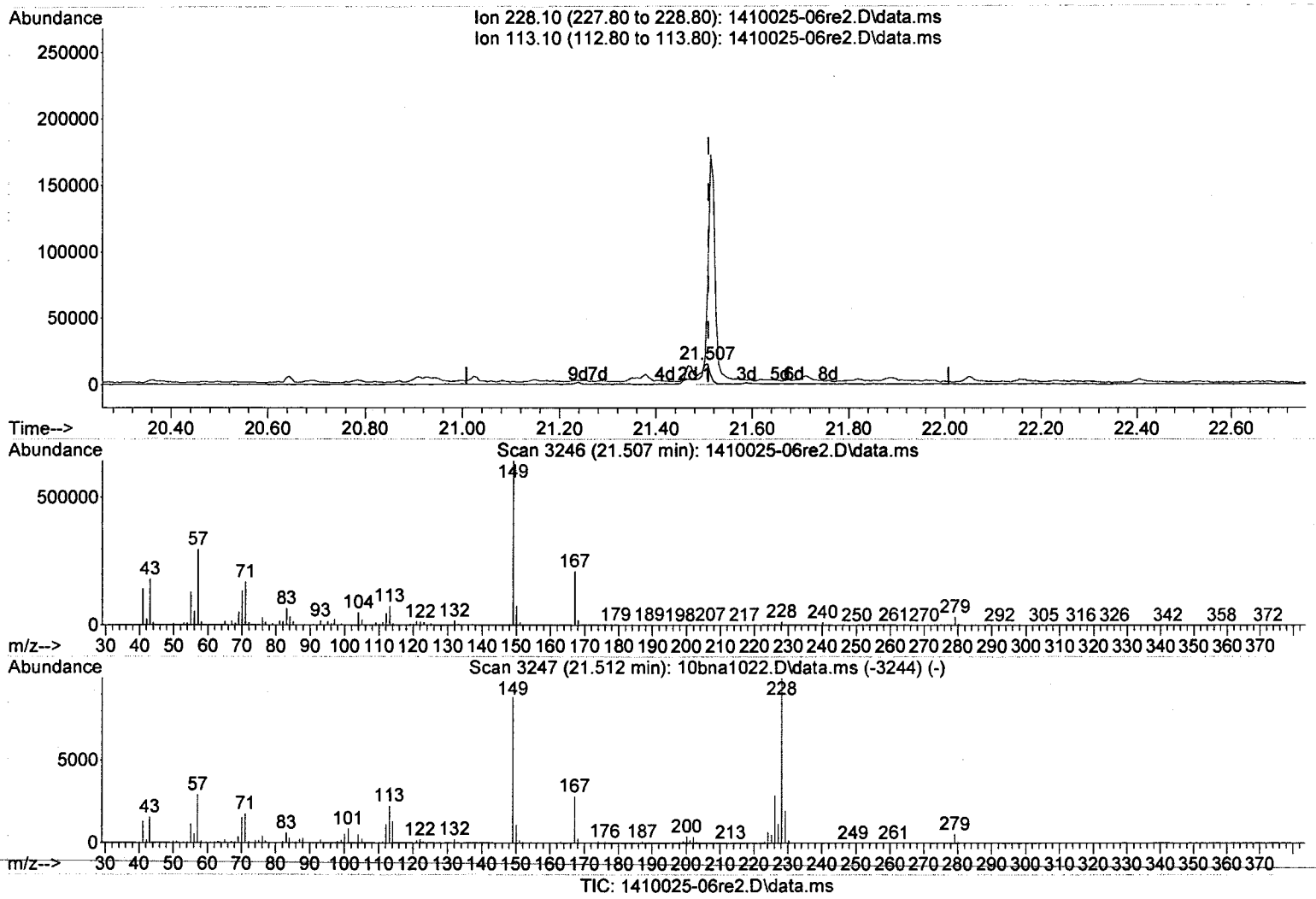
response 17627

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	29.60
114.10	13.30	53.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2.D\data.ms

(86) Chrysene

21.507min (-0.001) 0.12 ng/uL

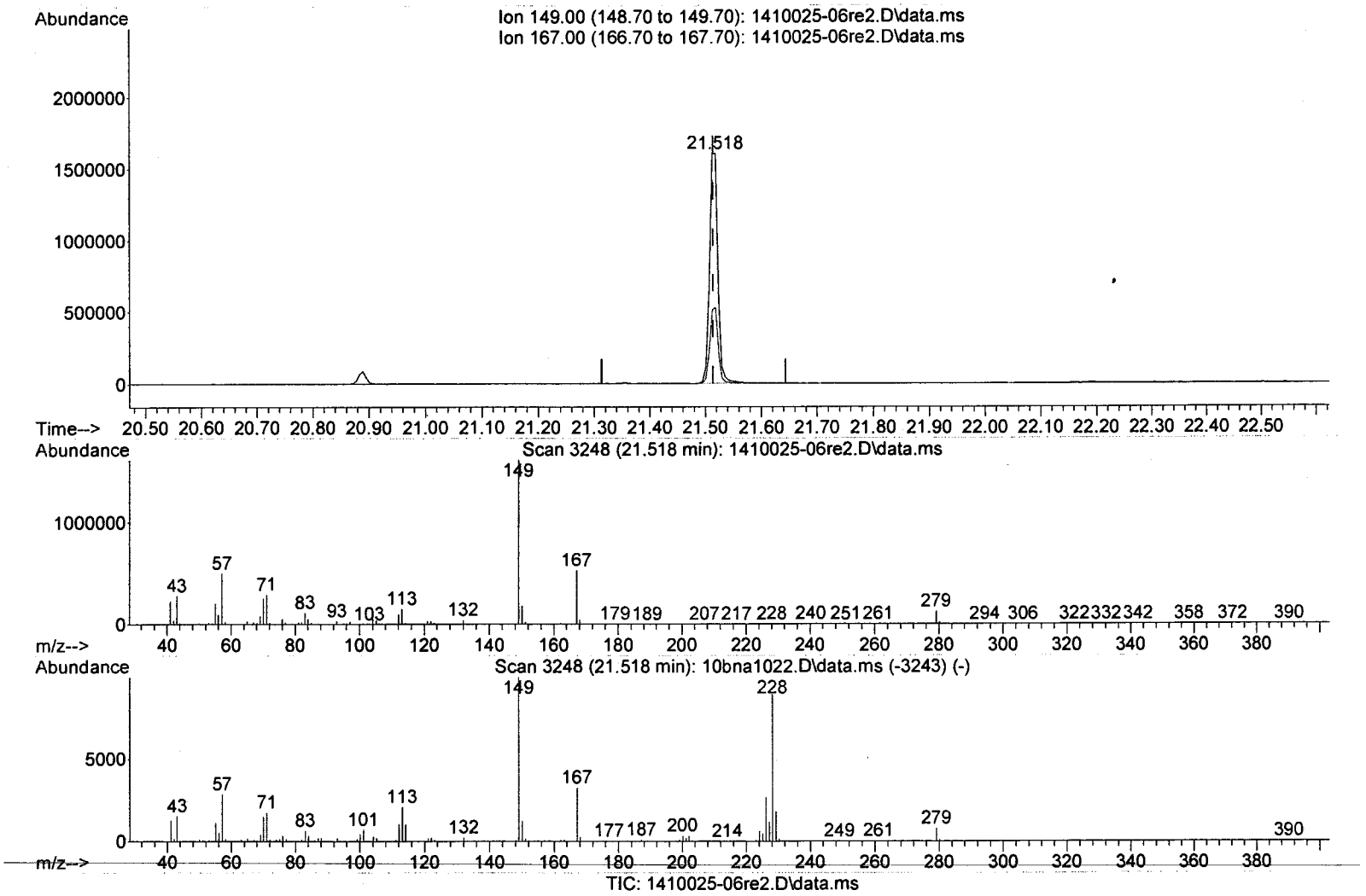
response 20303

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	880.42#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.518min (+ 0.005) 14.75 ng/uL

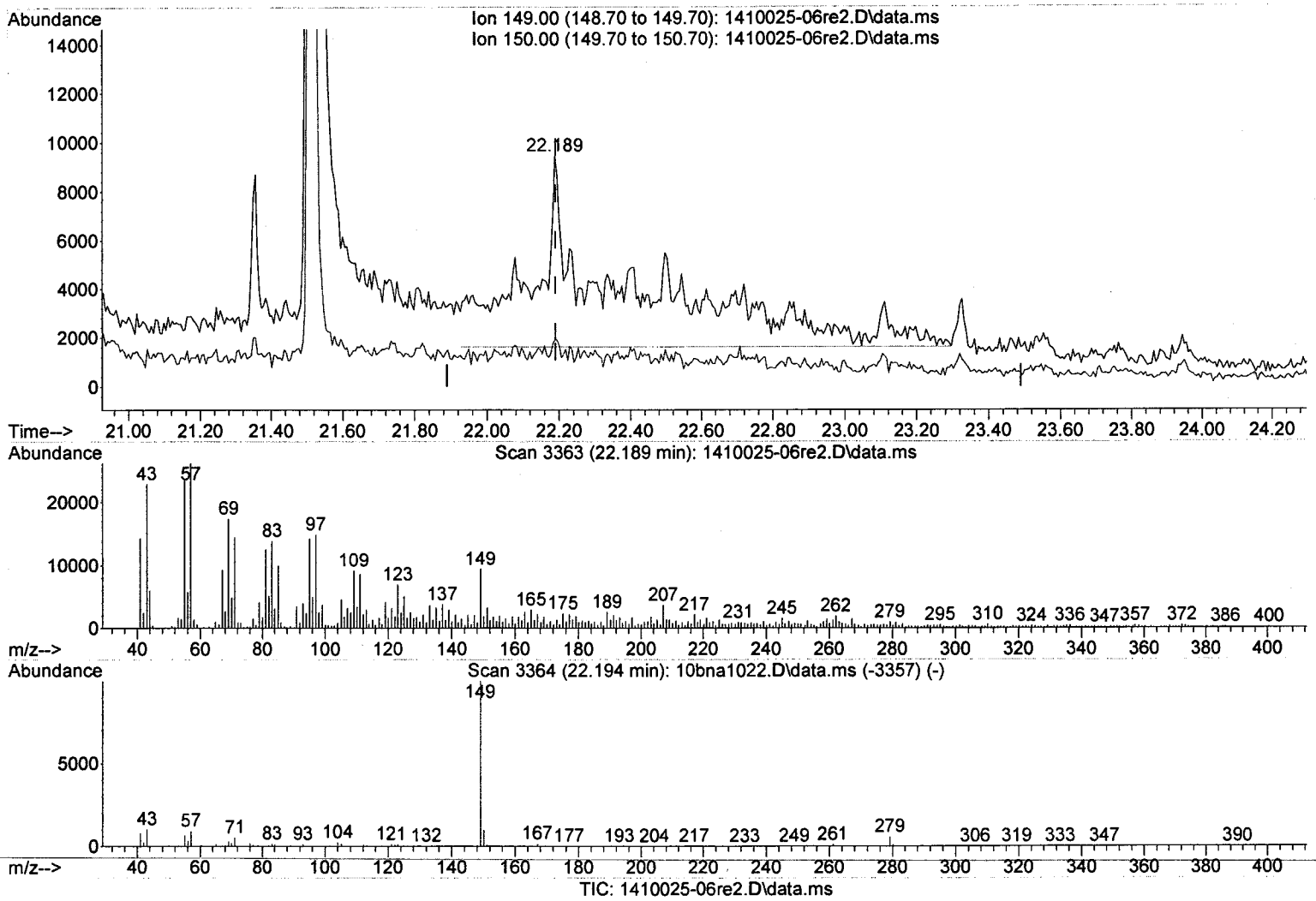
response 1684096

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	32.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.189min (-0.001) 1.00 ng/uL

response 139084

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.68#
0.00	0.00	0.00
0.00	0.00	0.00

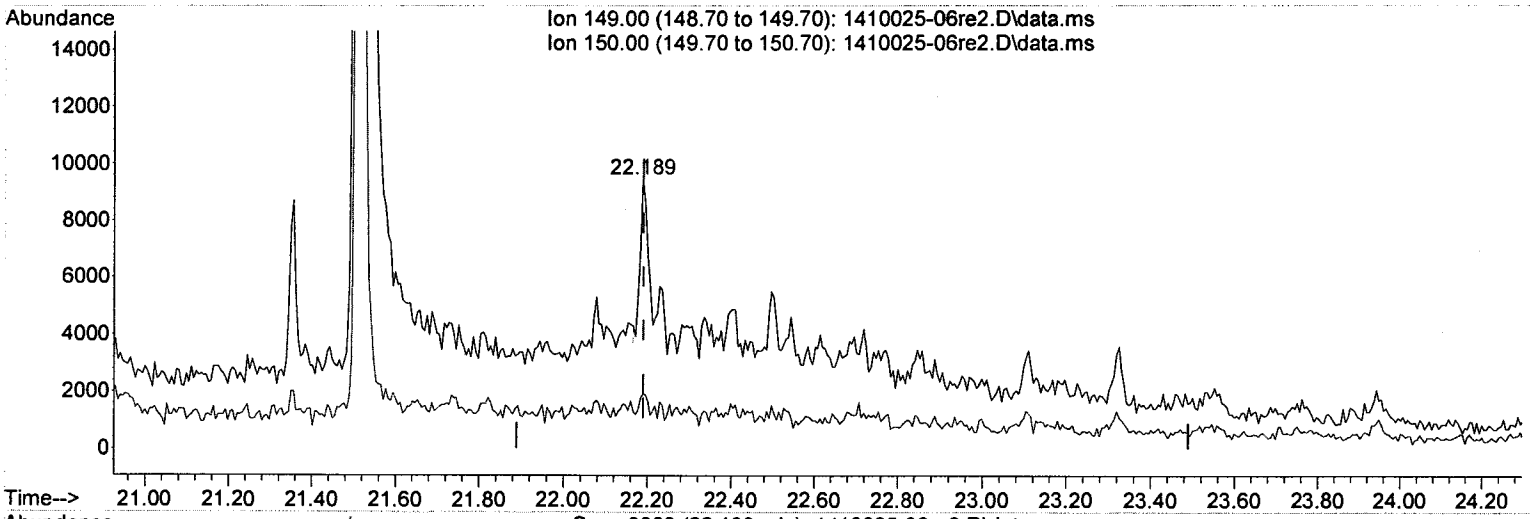
DW 10-22-14

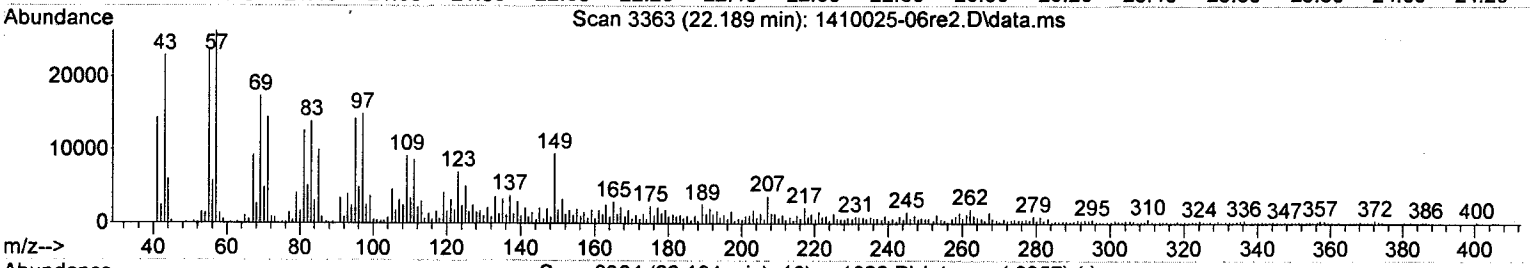
JLB 10/22/14

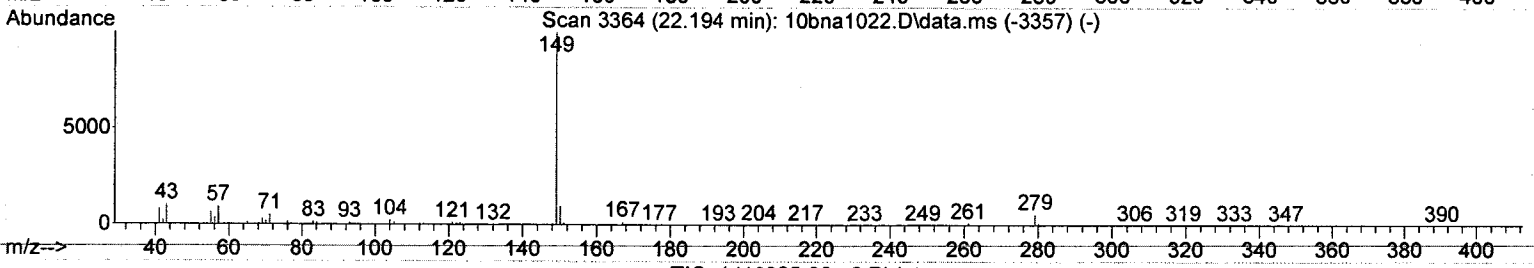
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410025-06re2.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.189min (-0.001) 0.38 ng/uL m

response 7885

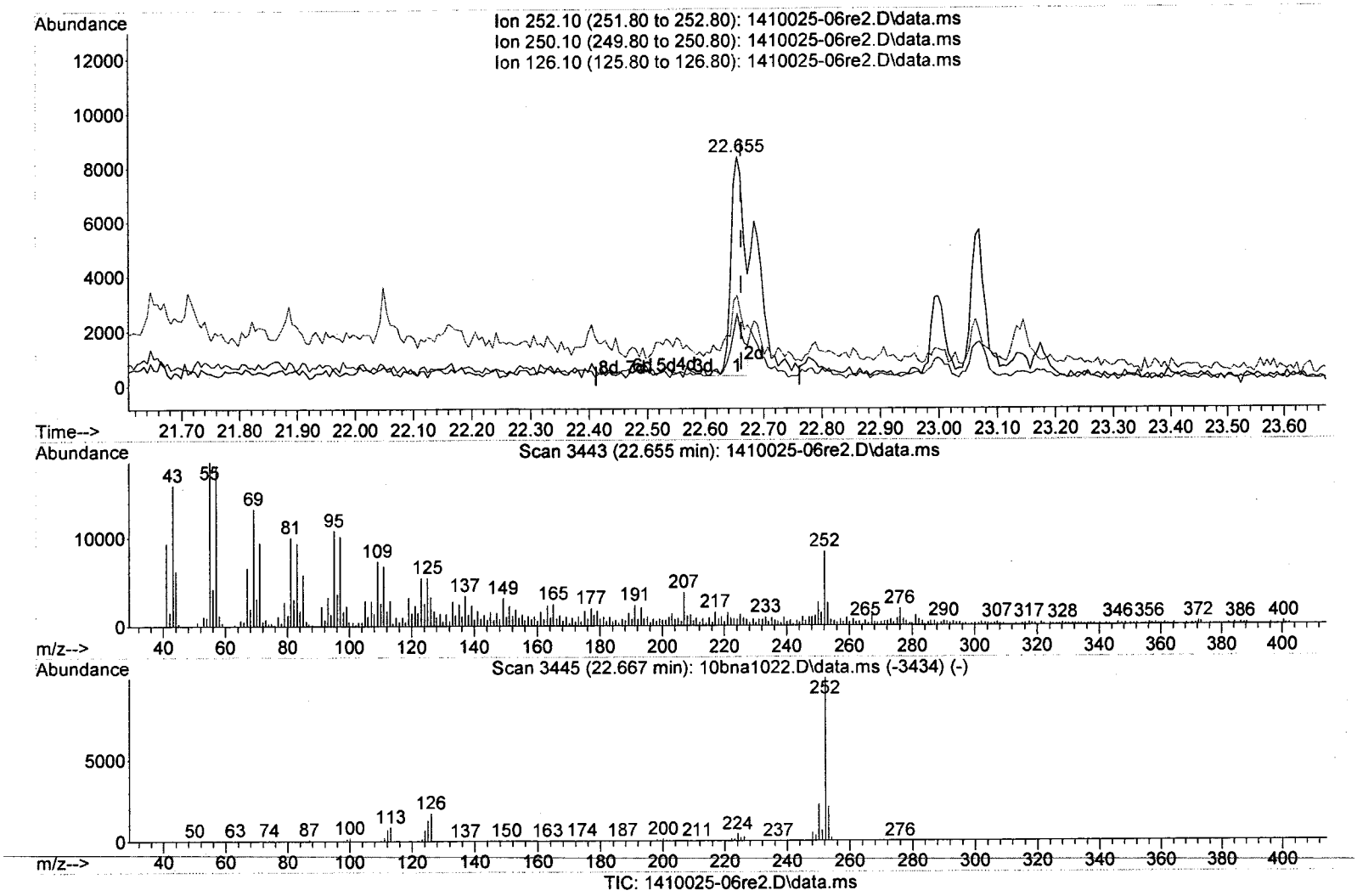
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	11.98#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 3: Incorrect baseline drawn by the software.
Flagged on Quantitation Report: Yes / No
Analyst: Date: 10/22/14
Reviewed By: Date: 11-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.655min (-0.007) 0.20 ng/uL

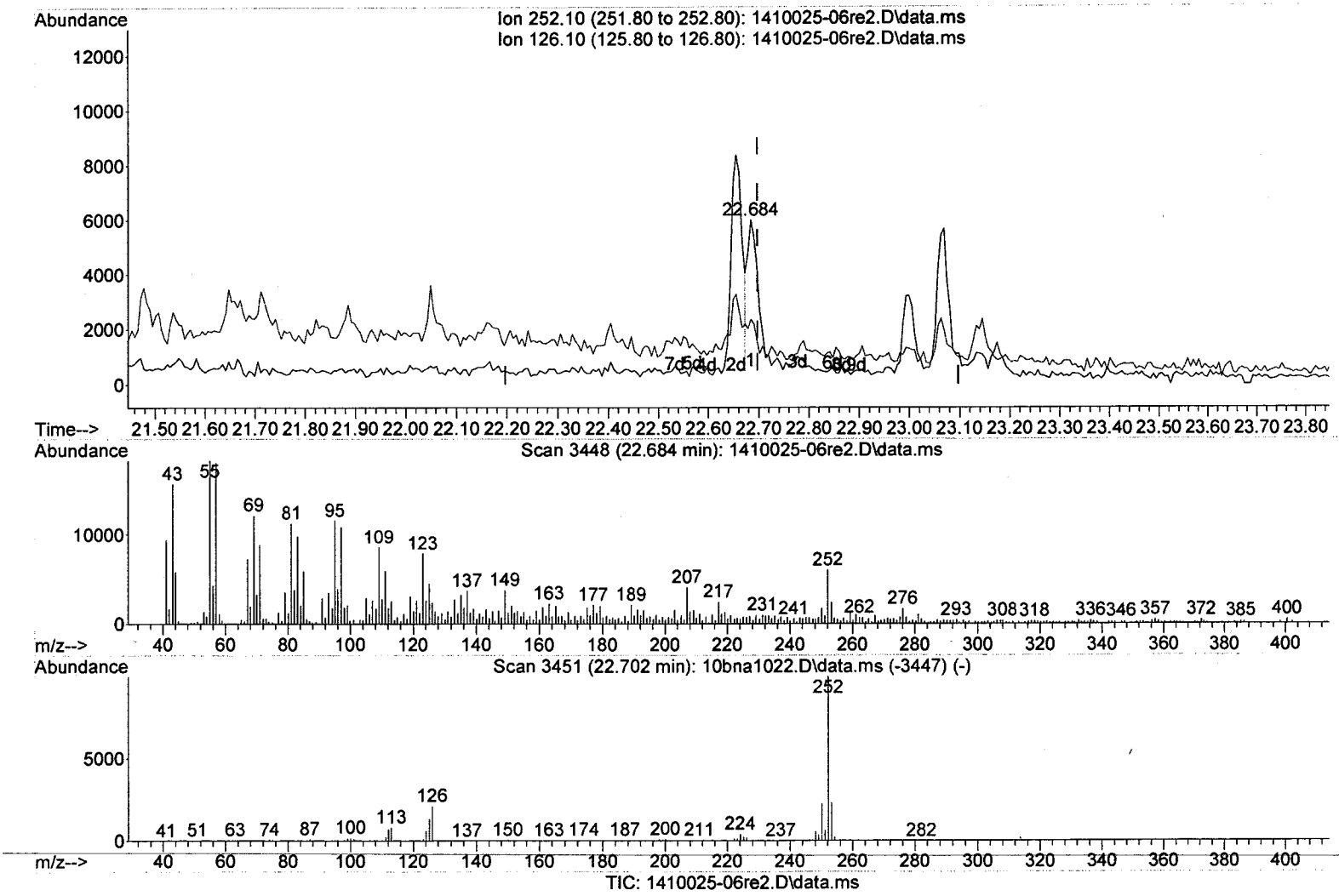
response 12660

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	24.53
126.10	17.20	44.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2.D\data.ms

(91) Benzo(k)fluoranthene

22.684min (-0.013) 0.12 ng/uL

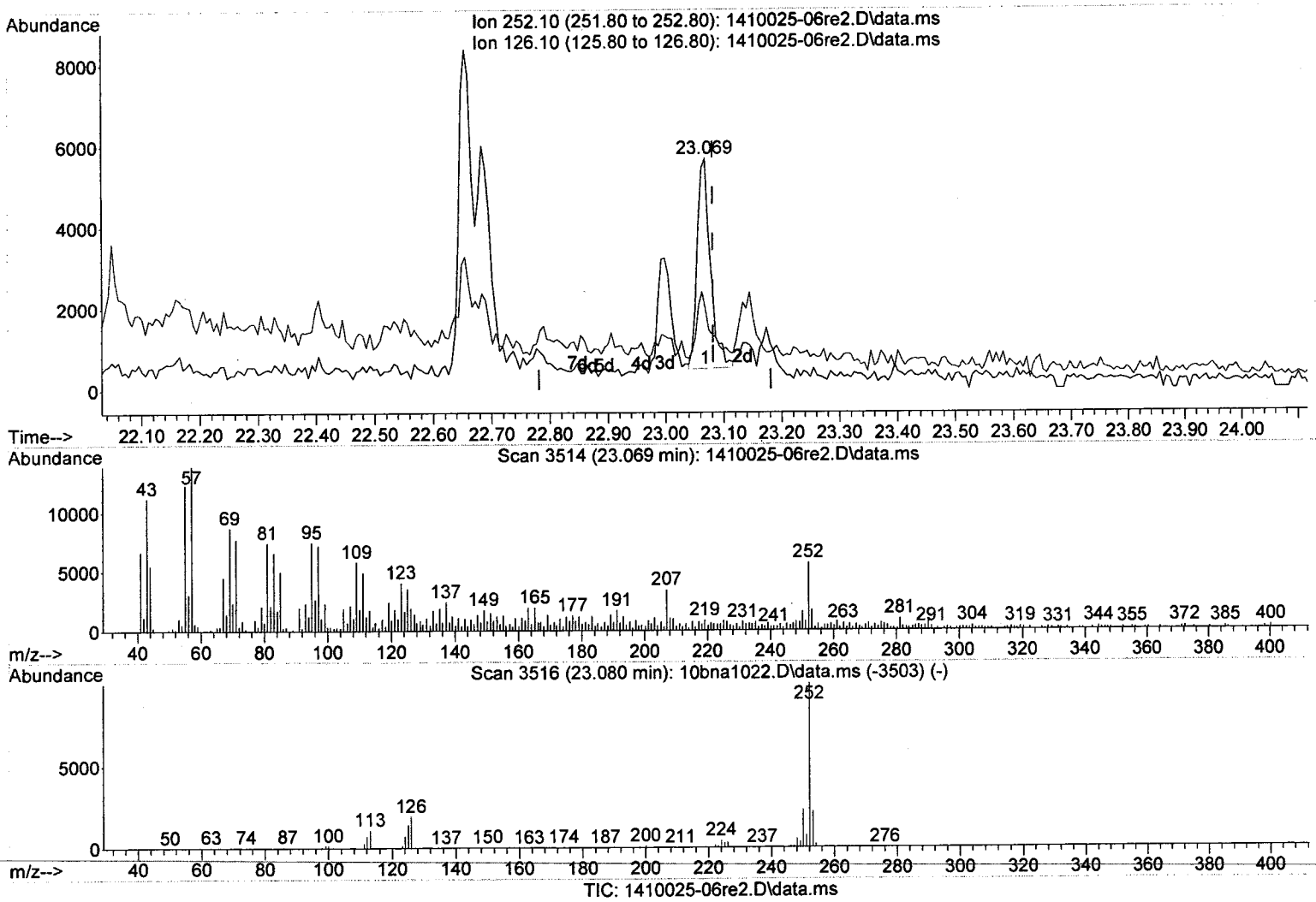
response 8451

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	7.06#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2.D\data.ms

(92) Benzo(a)pyrene (C)

23.069min (-0.013) 0.14 ng/uL

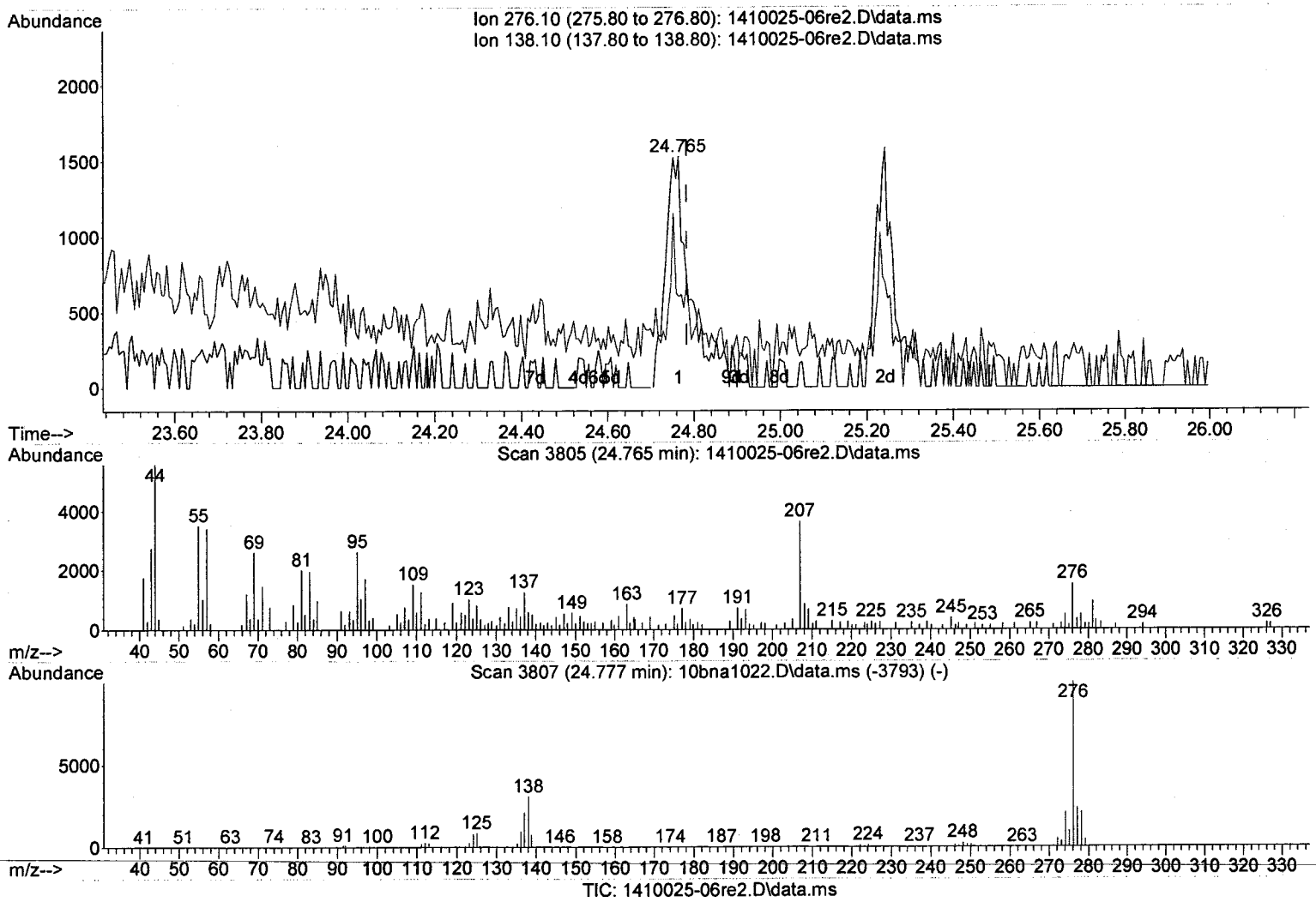
response 8215

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	32.38#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.765min (-0.019) 0.12 ng/uL

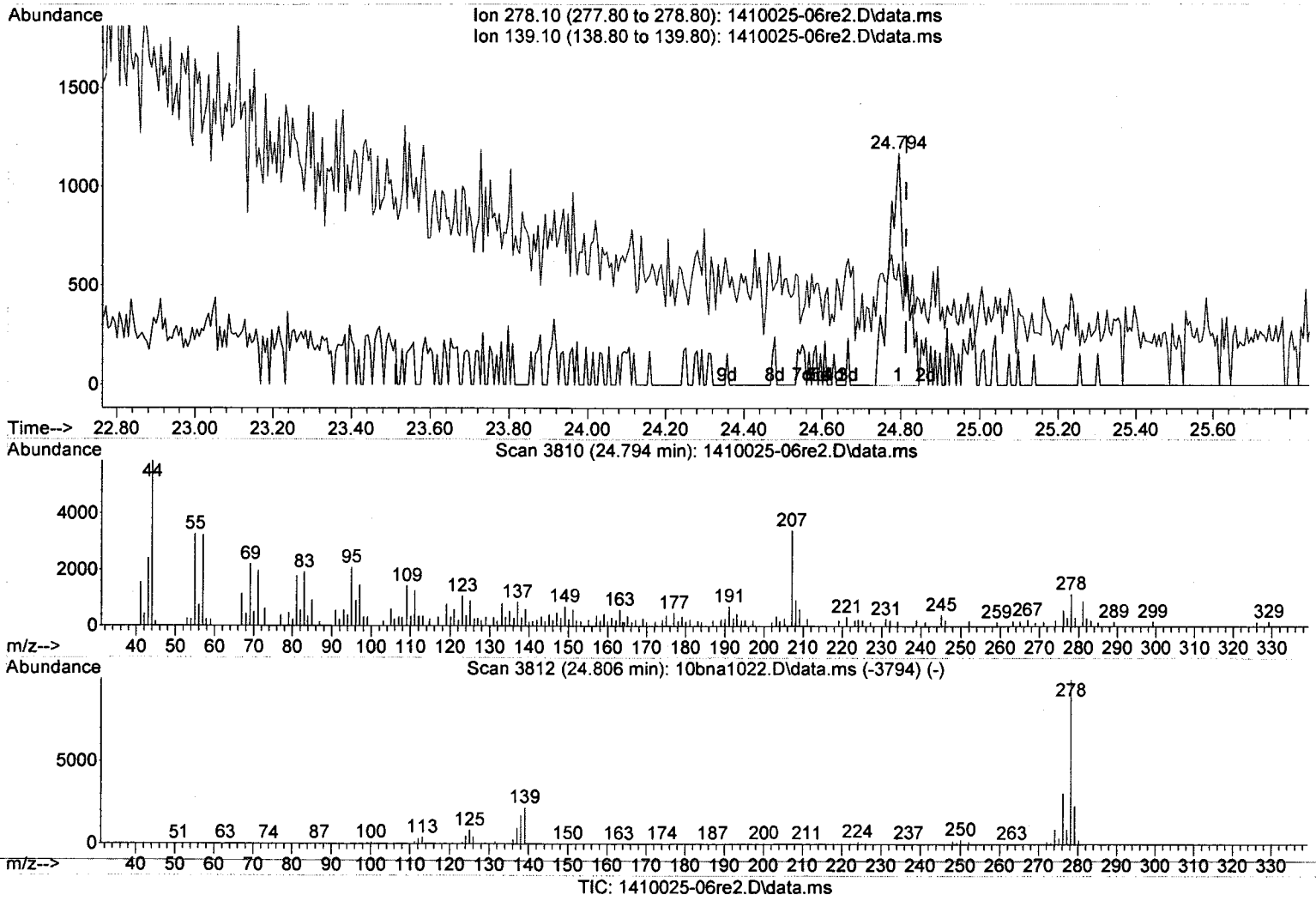
response 5901

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	23.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2.D\data.ms

(94) Dibdenz(a,h)anthracene

24.794min (-0.019) 0.08 ng/uL

response 3398

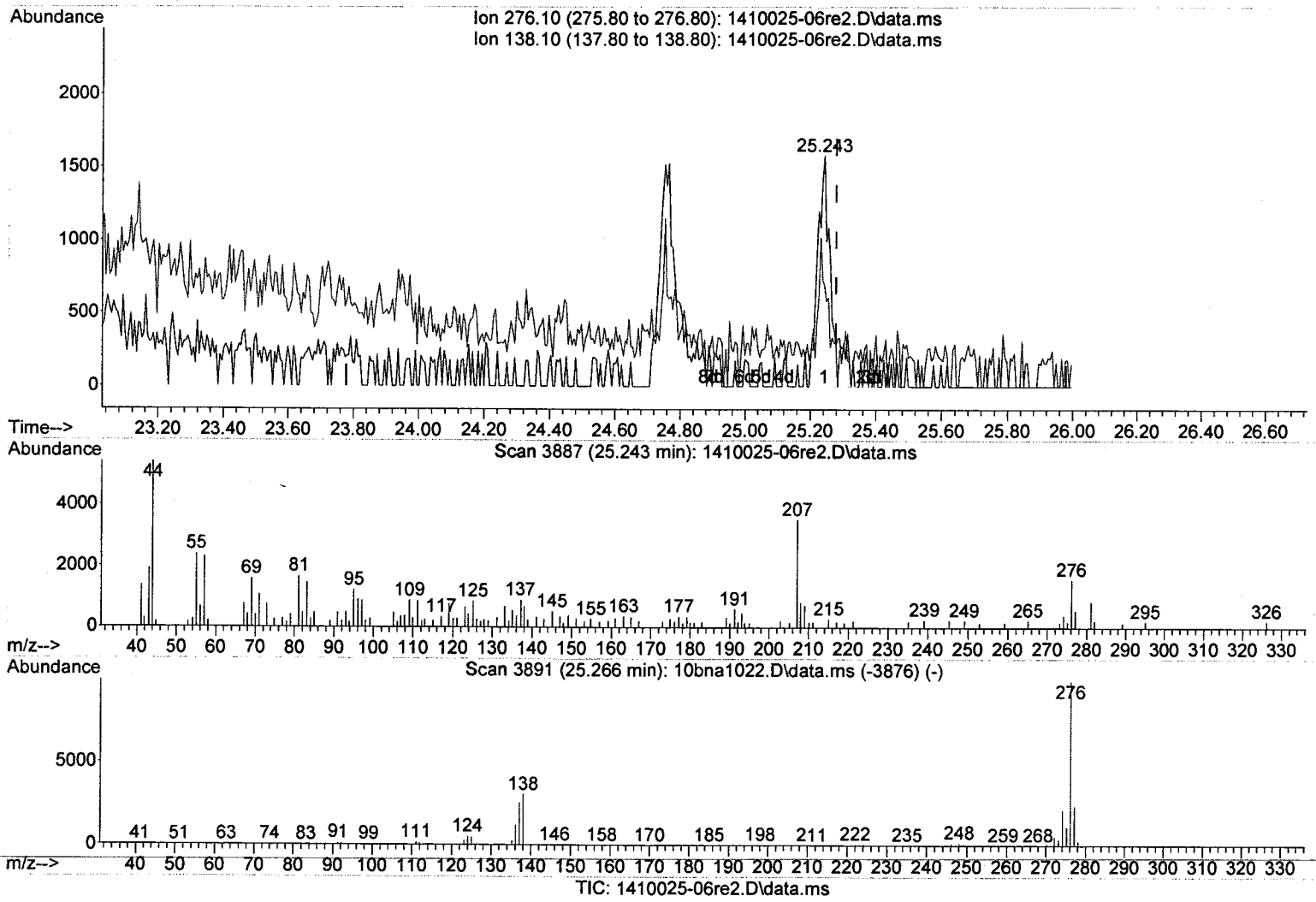
Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	3.71#
0.00	0.00	0.00
0.00	0.00	0.00

003719

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2.D
Acq On : 22 Oct 2014 14:12
Operator : JLB
Sample : 1410025-06re2 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 14:45:34 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2.D\data.ms

(95) Benzo(g,h,i)Perylene

25.243min (-0.036) 0.11 ng/uL

response 4669

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	50.14#
0.00	0.00	0.00
0.00	0.00	0.00

003720

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-06RE3 File ID: 1410025-06re2 5x.D

Sampled: 09/30/14 13:21 Prepared: 10/22/14 08:32 Analyzed: 10/22/14 13:40

Solids: 97.76 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410920 Sequence: 4J22044 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	5	85	24	85	85	U
208-96-8	Acenaphthylene	5	85	21	85	85	U
120-12-7	Anthracene	5	85	21	85	85	U
56-55-3	Benzo(a)anthracene	5	43	14	43	85	U
50-32-8	Benzo(a)pyrene	5	43	12	43	85	U
205-99-2	Benzo(b)fluoranthene	5	12	9.8	43	85	J
207-08-9	Benzo(k)fluoranthene	5	43	10	43	85	U
191-24-2	Benzo(g,h,i)perylene	5	43	9.7	43	170	U
65-85-0	Benzoic Acid	5	850	350	850	1700	U
100-51-6	Benzyl Alcohol	5	85	24	85	85	U
101-55-3	4-Bromophenyl Phenyl Ether	5	85	21	85	85	U
85-68-7	Butyl Benzyl Phthalate	5	30	20	85	170	J
86-74-8	Carbazole	5	85	21	85	850	U
59-50-7	4-Chloro-3-methylphenol	5	85	26	85	85	U
106-47-8	4-Chloroaniline	5	85	45	85	340	U
111-91-1	Bis(2-chloroethoxy)methane	5	85	21	85	85	U
111-44-4	Bis(2-chloroethyl) Ether	5	85	20	85	85	U
108-60-1	Bis(2-chloroisopropyl) Ether	5	43	19	43	85	U
91-58-7	2-Chloronaphthalene	5	85	25	85	85	U
95-57-8	2-Chlorophenol	5	85	20	85	85	U
7005-72-3	4-Chlorophenyl Phenyl Ether	5	85	19	85	85	U
218-01-9	Chrysene	5	85	20	85	85	U
53-70-3	Dibenz(a,h)anthracene	5	43	9.8	43	170	U
132-64-9	Dibenzofuran	5	85	25	85	85	U
84-74-2	Di-n-butyl Phthalate	5	170	69	170	340	U
106-46-7	1,4-Dichlorobenzene	5	85	25	85	85	U
95-50-1	1,2-Dichlorobenzene	5	85	28	85	85	U
541-73-1	1,3-Dichlorobenzene	5	85	29	85	85	U
91-94-1	3,3´-Dichlorobenzidine	5	3400	1400	3400	4300	U
120-83-2	2,4-Dichlorophenol	5	85	21	85	170	U
84-66-2	Diethyl Phthalate	5	85	25	85	85	U
105-67-9	2,4-Dimethylphenol	5	680	190	680	850	U
131-11-3	Dimethyl Phthalate	5	85	24	85	85	U
534-52-1	4,6-Dinitro-2-methylphenol	5	340	110	340	850	U
51-28-5	2,4-Dinitrophenol	5	850	290	850	850	U
606-20-2	2,6-Dinitrotoluene	5	43	21	43	85	U
121-14-2	2,4-Dinitrotoluene	5	43	17	43	170	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-06RE3 File ID: 1410025-06re2 5x.D

Sampled: 09/30/14 13:21 Prepared: 10/22/14 08:32 Analyzed: 10/22/14 13:40

Solids: 97.76 Preparation: 3550C Sonication Extract Initial/Final: 28.9 grams / 1 mL

QC Batch: 1410920 Sequence: 4J22044 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	5	65	20	85	85	JB
122-66-7	1,2-Diphenylhydrazine	5	43	17	43	85	U
117-81-7	Bis(2-ethylhexyl) Phthalate	5	490	59	85	170	
206-44-0	Fluoranthene	5	85	23	85	85	U
86-73-7	Fluorene	5	85	21	85	170	U
118-74-1	Hexachlorobenzene	5	85	24	85	85	U
87-68-3	Hexachlorobutadiene	5	85	23	85	85	U
67-72-1	Hexachloroethane	5	85	26	85	85	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	43	14	43	170	U
78-59-1	Isophorone	5	85	20	85	85	U
91-57-6	2-Methylnaphthalene	5	85	23	85	85	U
108-39-4	3+4-Methylphenol	5	43	19	43	85	U
95-48-7	2-Methylphenol	5	43	18	43	85	U
91-20-3	Naphthalene	5	85	29	85	85	U
100-01-6	4-Nitroaniline	5	340	130	340	1700	U
88-74-4	2-Nitroaniline	5	43	18	43	85	U
99-09-2	3-Nitroaniline	5	170	84	170	1700	U
98-95-3	Nitrobenzene	5	85	24	85	85	U
88-75-5	2-Nitrophenol	5	85	23	85	85	U
100-02-7	4-Nitrophenol	5	1700	520	1700	3400	U
62-75-9	N-Nitroso-dimethylamine	5	34	17	34	170	U
86-30-6	N-Nitroso-diphenylamine	5	43	18	43	85	U
621-64-7	N-Nitroso-di-n-propylamine	5	85	21	85	85	U
87-86-5	Pentachlorophenol	5	85	68	85	850	U
85-01-8	Phenanthrene	5	85	21	85	85	U
108-95-2	Phenol	5	85	20	85	850	U
129-00-0	Pyrene	5	85	22	85	85	U
120-82-1	1,2,4-Trichlorobenzene	5	85	23	85	85	U
95-95-4	2,4,5-Trichlorophenol	5	85	23	85	85	U
88-06-2	2,4,6-Trichlorophenol	5	43	13	43	85	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	708	568	80	33 - 113	D
Phenol-d6	708	600	85	30 - 115	D
Nitrobenzene-d5	354	281	79	33 - 131	D
2-Fluorobiphenyl	354	322	91	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-06RE3
File ID: 1410025-06re2 5x.D
Sampled: 09/30/14 13:21
Prepared: 10/22/14 08:32
Analyzed: 10/22/14 13:40
Solids: 97.76
Preparation: 3550C Sonication Extract
Initial/Final: 28.9 grams / 1 mL
QC Batch: 1410920
Sequence: 4J22044
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	708	218	31	12 - 124	D
o-Terphenyl	354	342	96	20 - 155	D

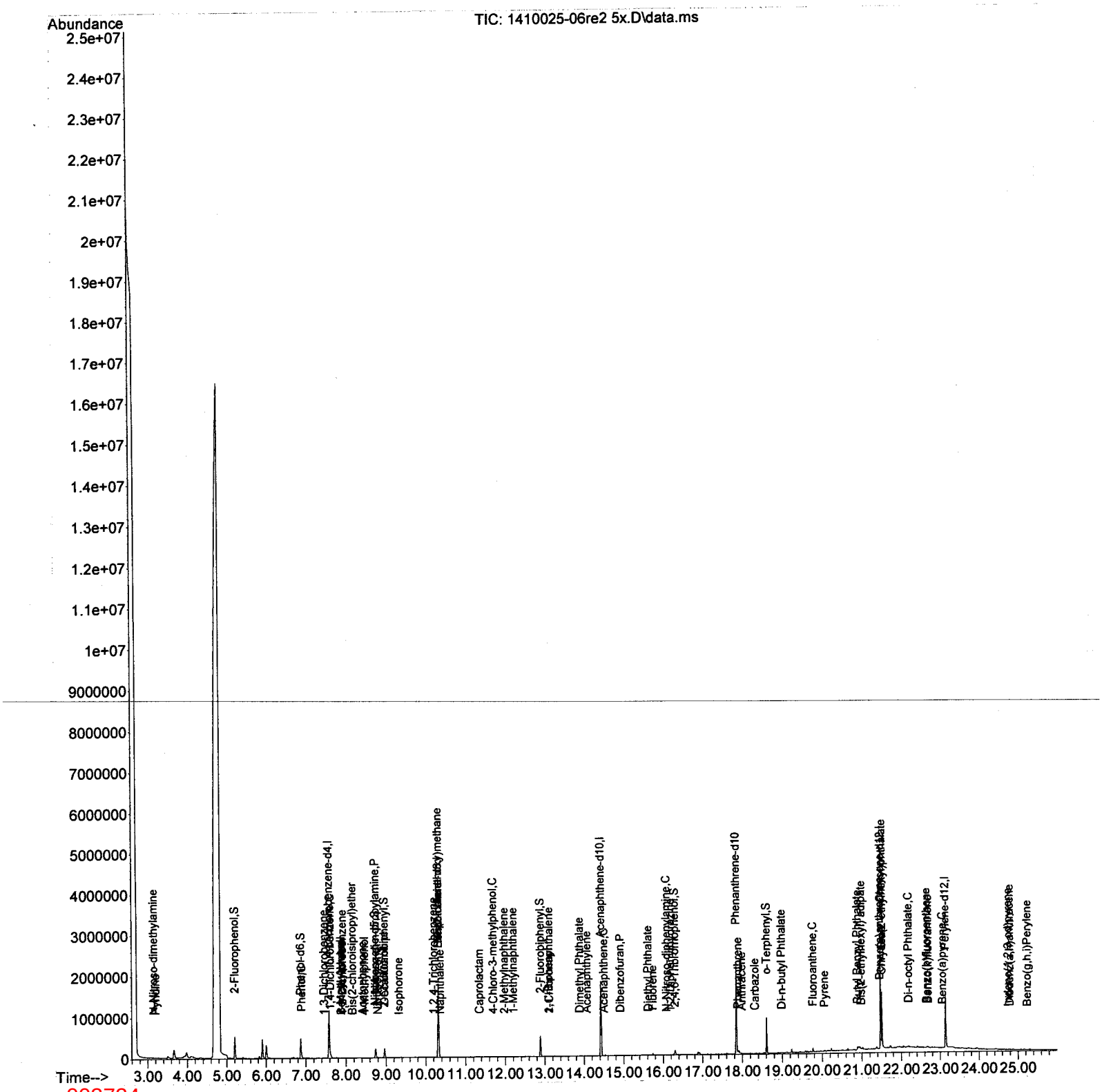
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	339135	7.582	403279	7.614	
Naphthalene-d8	1328268	10.316	1529030	10.359	
Acenaphthene-d10	730247	14.425	866604	14.474	
Phenanthrene-d10	1174601	17.852	1400442	17.901	
Chrysene-d12	1033742	21.477	1153654	21.538	
Perylene-d12	745919	23.139	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2 5x.D
Acq On : 22 Oct 2014 13:40
Operator : JLB
Sample : 1410025-06re2 5x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 14:09:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2 5x.D
Acq On : 22 Oct 2014 13:40
Operator : JLB
Sample : 1410025-06re2 5x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 14:09:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.582	152	339135	5.00 ng/uL	# 0.00
20) Naphthalene-d8	10.316	136	1328268	5.00 ng/uL	-0.01
42) Acenaphthene-d10	14.425	164	730247	5.00 ng/uL	-0.02
66) Phenanthrene-d10	17.852	188	1174601	5.00 ng/uL	0.00
81) Chrysene-d12	21.477	240	1033742	5.00 ng/uL	# 0.00
89) Perylene-d12	23.139	264	745919	5.00 ng/uL	#-0.01
System Monitoring Compounds					
4) 2-Fluorophenol	5.204	112	248789	3.21 ng/uL	0.05
6) Phenol-d6	6.871	99	340101	3.39 ng/uL	-0.02
21) Nitrobenzene-d5	8.736	82	134662	1.59 ng/uL	-0.02
23) Decafluorobiphenyl	8.963	334	90831	1.53 ng/uL	-0.02
47) 2-Fluorobiphenyl	12.892	172	274124	1.82 ng/uL	-0.02
70) 2,4,6-Tribromophenol	16.302	330	21837	1.23 ng/uL	-0.02
78) o-Terphenyl	18.610	230	194152	1.93 ng/uL	0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	3.152	74	87	0.00 ng/uL#	1
3) Pyridine	3.205	79	1000	0.01 ng/uL#	81
5) Aniline	0.000		0	N.D.	
7) Phenol	6.894	94	883	0.01 ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.	
9) 2-Chlorophenol	0.000		0	N.D.	
10) 1,3-Dichlorobenzene	7.460	146	702	0.01 ng/uL#	43
11) 1,4-Dichlorobenzene	7.611	146	290	0.00 ng/uL#	1
12) 1,2-Dichlorobenzene	7.914	146	554	0.01 ng/uL	92
13) Bis(2-chloroisipropyl)...	8.165	45	110	0.00 ng/uL#	51
14) Benzyl Alcohol	7.885	108	1213	0.02 ng/uL	88
15) 2-Methylphenol	7.885	108	1213	0.01 ng/uL#	56
16) Acetophenone	8.427	105	125	0.00 ng/uL#	1
17) Hexachloroethane	0.000		0	N.D.	
18) 4-Methylphenol	8.474	108	79	0.00 ng/uL#	1
~~19) N-Nitroso-di-n-propyla...~~	~~8.742~~	~~70~~	~~18101~~	~~0.30 ng/uL#~~	~~9~~
22) Nitrobenzene	8.794	77	58	0.00 ng/uL#	30
24) Isophorone	9.325	82	847	0.00 ng/uL#	58
25) 2-Chloroaniline	8.958	127	1258	0.01 ng/uL#	58
26) 2-Nitrophenol	0.000		0	N.D.	
27) 2,4-Dimethylphenol	0.000		0	N.D.	
28) Bis(2-chlorethoxy)methane	10.316	93	679	0.01 ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.	
30) Benzoic Acid	10.321	105	2049	~~2.48~~ ng/uL#	1
31) 1,2,4-Trichlorobenzene	10.205	180	329	0.00 ng/uL#	75
32) Naphthalene	10.362	128	986	0.00 ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.	
34) 2,6-Dichlorophenol	0.000		0	N.D.	
35) Hexachlorobutadiene	0.000		0	N.D.	
36) Caprolactam	11.353	55	393	0.01 ng/uL#	42
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.	
38) 4-Chloro-3-methylphenol	11.697	107	137	0.00 ng/uL#	21
39) 2-Methylnaphthalene	11.977	142	871	0.01 ng/uL	96
40) 1-Methylnaphthalene	12.204	142	821	0.01 ng/uL	93
41) 1,3 Dinitrobenzene	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2 5x.D
Acq On : 22 Oct 2014 13:40
Operator : JLB
Sample : 1410025-06re2 5x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 14:09:44 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.113	162	334	0.00 ng/uL#	64
49) 1,1'-Biphenyl	13.102	154	526	0.00 ng/uL#	71
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.075	152	347	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.894	163	376	0.00 ng/uL#	16
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.501	153	628	0.00 ng/uL#	88
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.914	168	783	0.00 ng/uL#	84
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.736	166	702	0.00 ng/uL#	46
63) Diethyl Phthalate	15.620	149	3167	0.02 ng/uL#	88
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.	
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.086	169	726	0.01 ng/uL#	26
69) 1,2-Diphenylhydrazine	16.191	182	728	0.02 ng/uL#	28
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	0.000		0	N.D.	
75) Phenanthrene	17.893	178	7991	0.04 ng/uL	96
76) Anthracene	17.992	178	1638	0.01 ng/uL#	89
77) Carbazole	18.318	167	2212	0.01 ng/uL#	88
79) Di-n-butyl Phthalate	18.989	149	5365	0.02 ng/uL#	77
80) Fluoroanthene	19.770	202	8674	0.04 ng/uL#	92
82) Pyrene	20.061	202	9664	0.04 ng/uL#	92
83) Butyl Benzyl Phthalate	20.889	149	16411	0.17 ng/uL	93
84) Bis(2-ethylhexyl) adipate	20.988	129	1812	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.466	228	8564	0.05 ng/uL#	29
86) Chrysene	21.507	228	7920	0.04 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.512	149	343038	2.77 ng/uL	91
88) Di-n-octyl Phthalate	22.189	149	7442m	0.37 ng/uL	
90) Benzo(b)fluoroanthene	22.655	252	9899	0.07 ng/uL#	86
91) Benzo(k)fluoranthene	22.690	252	7502	0.05 ng/uL#	91
92) Benzo(a)pyrene	23.063	252	8161	0.06 ng/uL#	91
93) Indeno(1,2,3-cd)pyrene	24.753	276	6331	0.06 ng/uL	93
94) Dibdenz(a,h)anthracene	24.794	278	3553	0.04 ng/uL#	50
95) Benzo(g,h,i)Perylene	25.237	276	4998	0.05 ng/uL#	64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

003726

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2 5x.D
Acq On : 22 Oct 2014 13:40
Operator : JLB
Sample : 1410025-06re2 5x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 14:08:16 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 09:59:32 2014
Response via : Initial Calibration

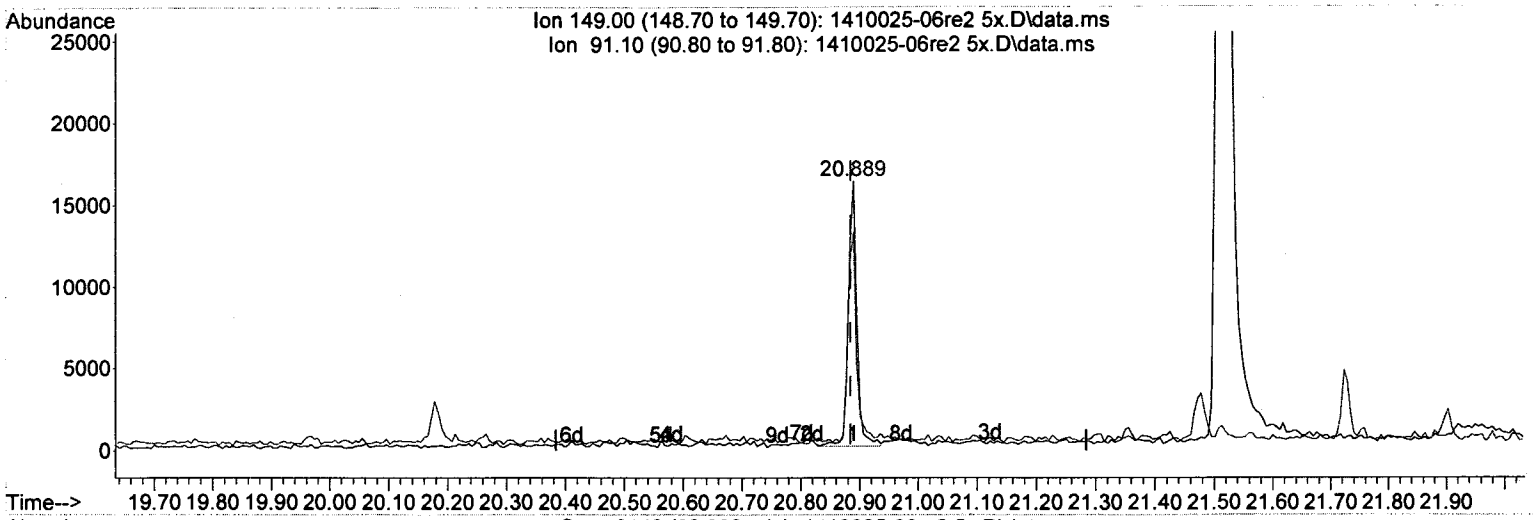
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.582	152	336044	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.316	136	1328268	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.425	164	726892	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.852	188	1174601	5.00	ng/uL	0.00
19) Chrysene-d12	21.477	240	1033742	5.00	ng/uL	# 0.00
22) Perylene-d12	23.139	264	744081	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.878	74	413	0.01	ng/uL#	1
3) Pyridine	3.205	79	1000	0.01	ng/uL#	81
4) Aniline	0.000		0	N.D.		
5) Benzaldehyde	6.731	105	515	0.01	ng/uL#	1
6) Acetophenone	8.427	105	125	0.00	ng/uL#	1
7) N-Nitroso-di-n-propyla...	8.742	70	18101	0.28	ng/uL#	9
9) 4-Chloroaniline	0.000		0	N.D.		
10) Caprolactam	11.312	55	126	0.10	ng/uL#	21
12) 1,1'-Biphenyl	13.102	154	526	0.00	ng/uL#	71
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	16.086	169	726	0.01	ng/uL#	26
18) Atrazine	0.000		0	N.D.		
20) Benzidine	19.985	184	939	0.42	ng/uL#	87
21) 3,3'-Dichlorobenzidine	21.757	252	171	0.00	ng/uL	85

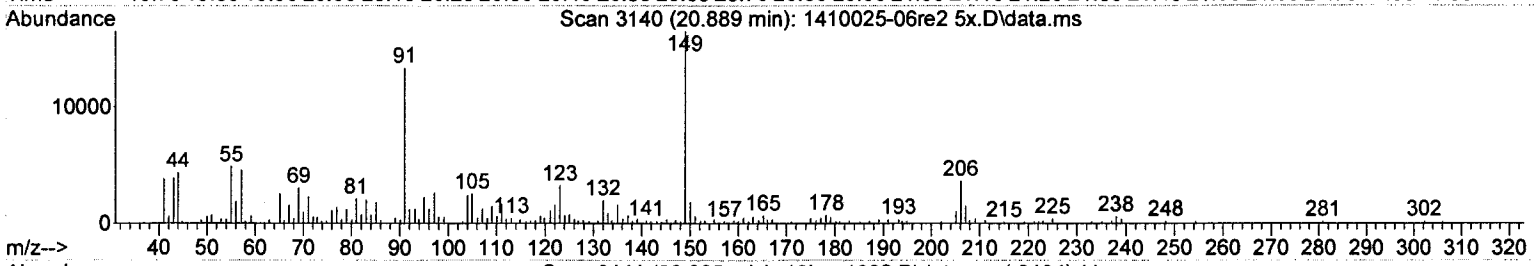
(#) = qualifier out of range (m) = manual integration (+) = signals summed

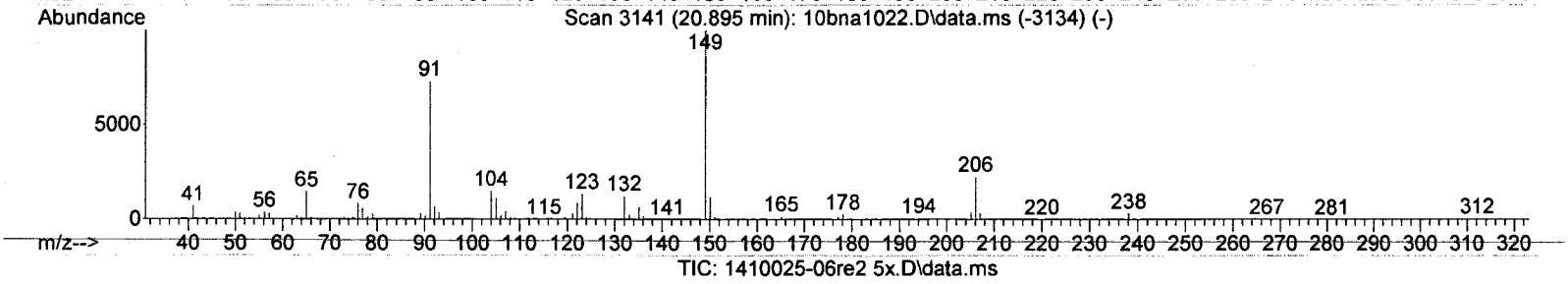
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2 5x.D
Acq On : 22 Oct 2014 13:40
Operator : JLB
Sample : 1410025-06re2 5x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 14:08:54 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410025-06re2 5x.D\data.ms

(83) Butyl Benzyl Phthalate

20.889min (+ 0.005) 0.17 ng/uL

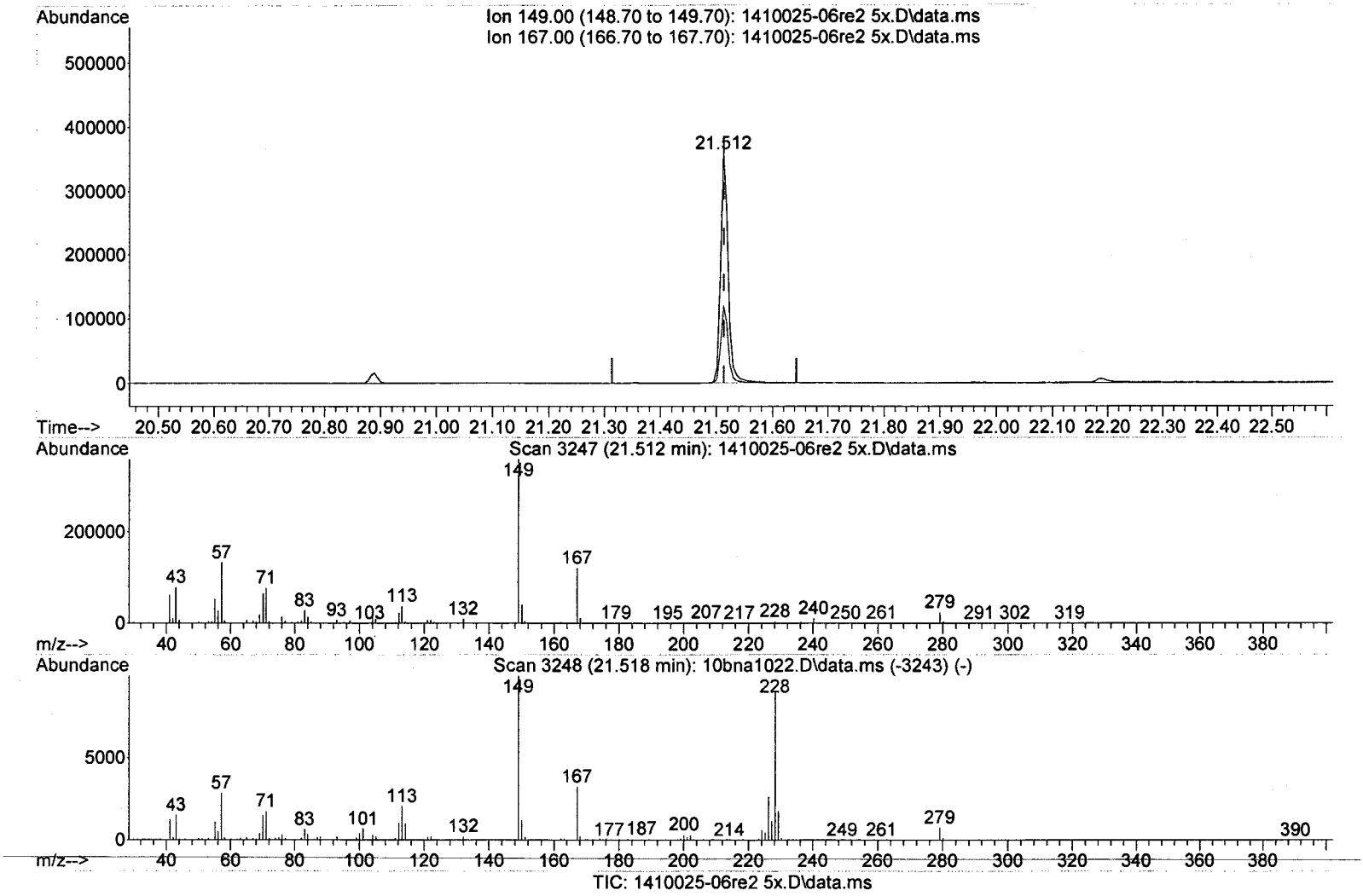
response 16411

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	77.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2 5x.D
Acq On : 22 Oct 2014 13:40
Operator : JLB
Sample : 1410025-06re2 5x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 14:08:54 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2 5x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.512min (-0.001) 2.77 ng/uL

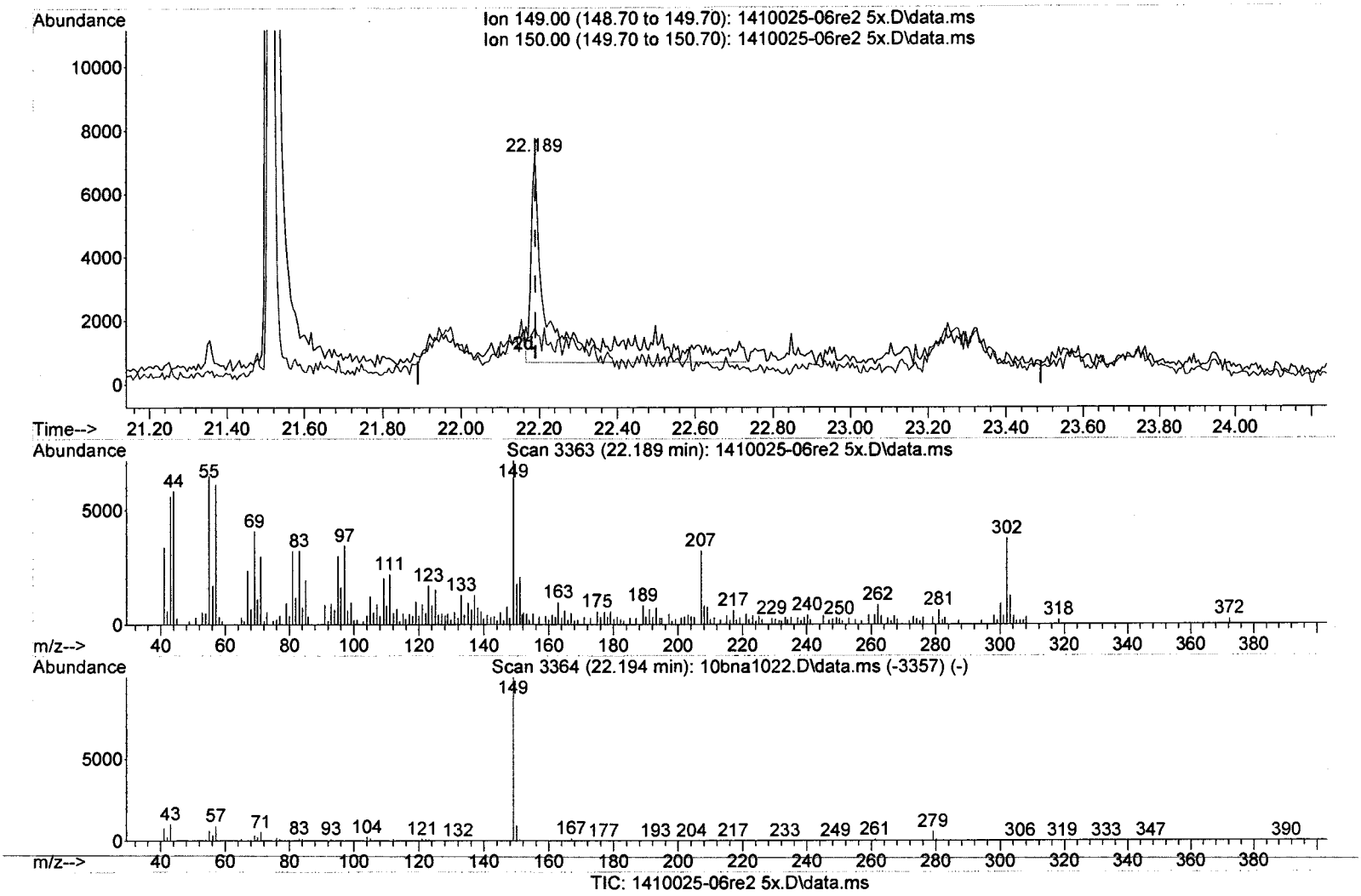
response 343038

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.84
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2 5x.D
Acq On : 22 Oct 2014 13:40
Operator : JLB
Sample : 1410025-06re2 5x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 14:08:54 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2 5x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.189min (-0.001) 0.46 ng/uL

response 26681

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.36#
0.00	0.00	0.00
0.00	0.00	0.00

DWS 10-22-14

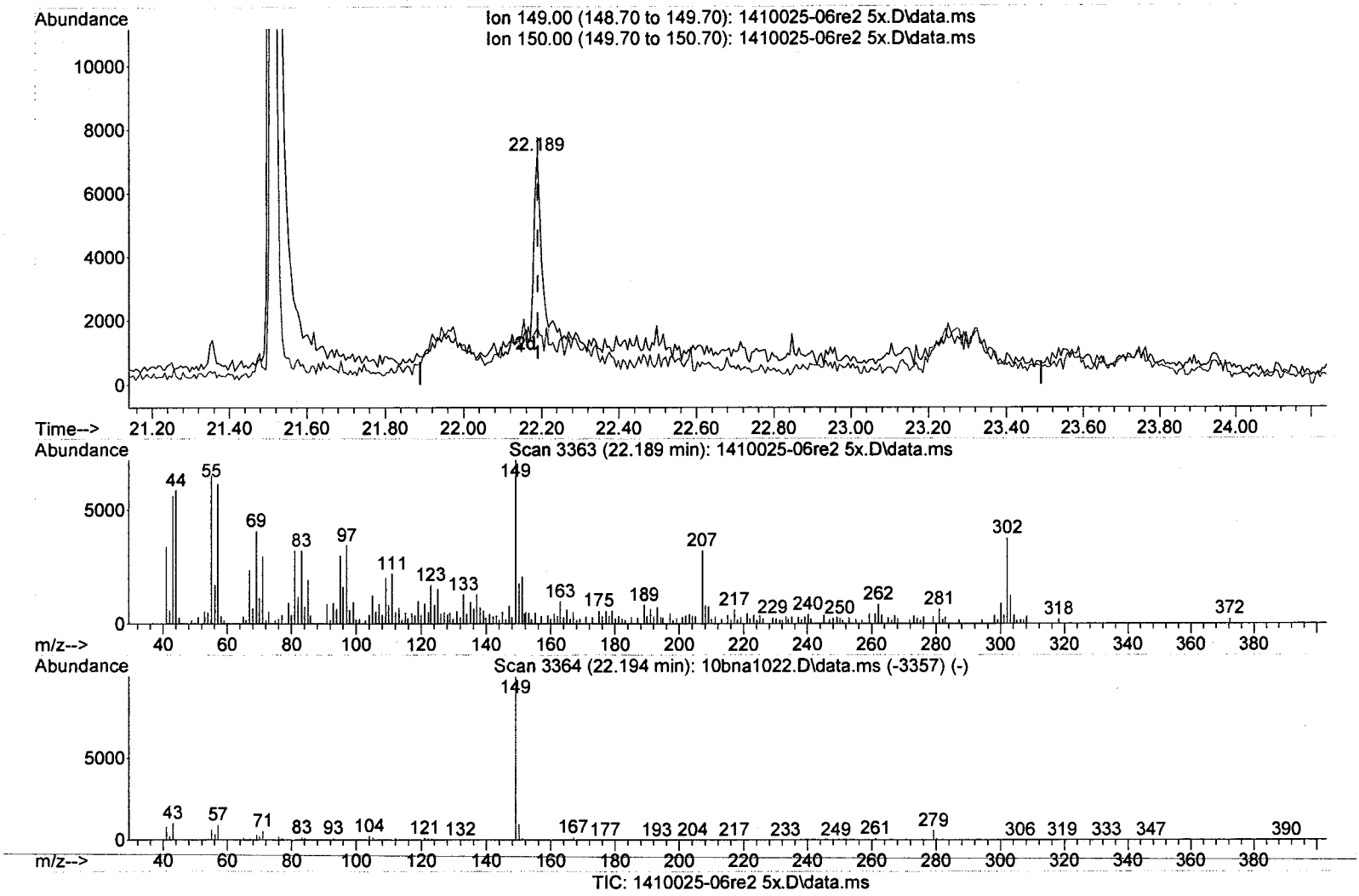
JLB 10/22/14

003730

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2 5x.D
Acq On : 22 Oct 2014 13:40
Operator : JLB
Sample : 1410025-06re2 5x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 14:08:54 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2 5x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.189min (-0.001) 0.37 ng/uL m

response 7442

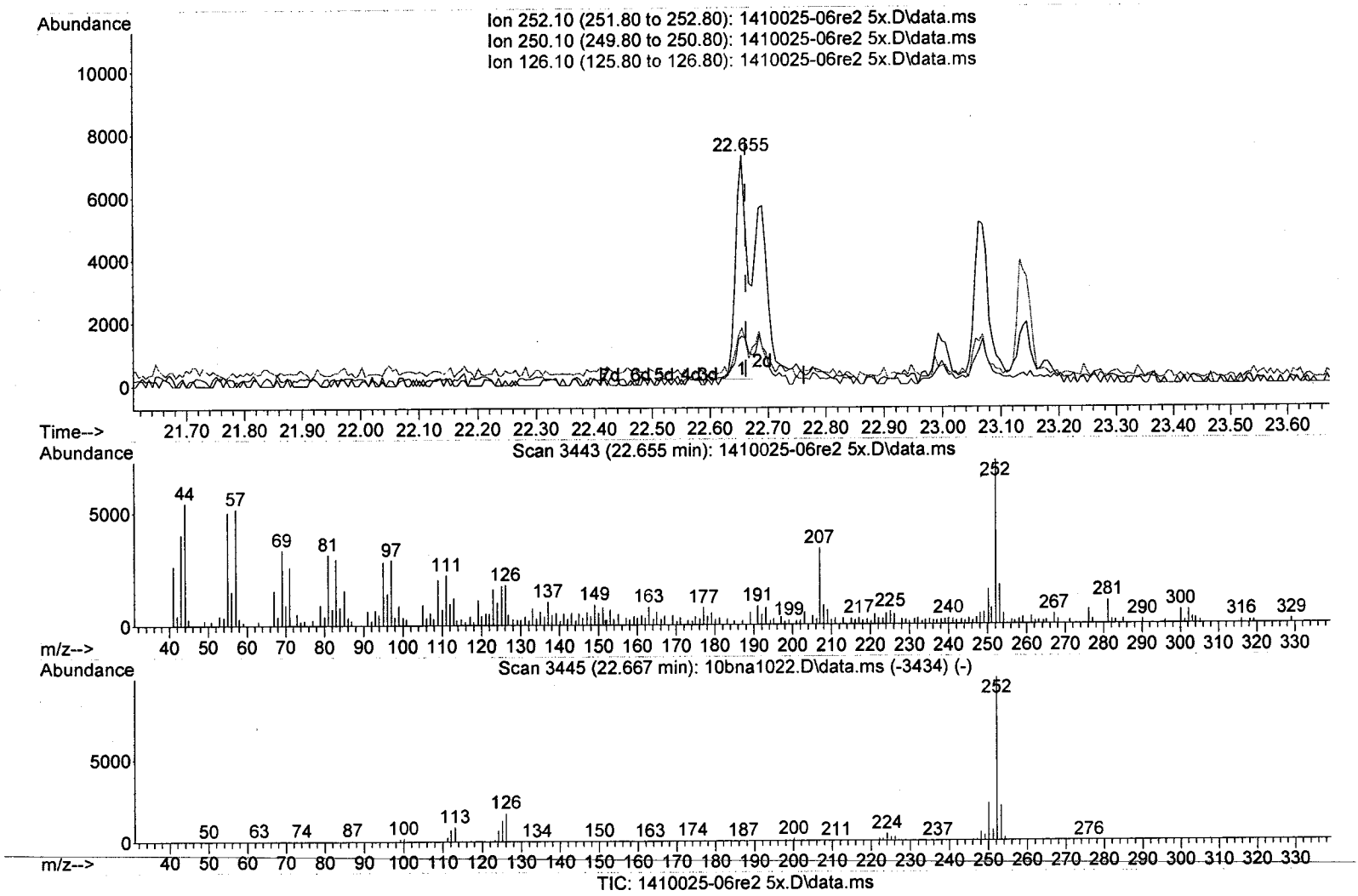
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	4.89#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 3: Incorrect baseline drawn by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 10/22/14
Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410025-06re2 5x.D
Acq On : 22 Oct 2014 13:40
Operator : JLB
Sample : 1410025-06re2 5x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 14:08:54 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410025-06re2 5x.D\data.ms

(90) Benzo(b)fluoroanthene

22.655min (-0.007) 0.07 ng/uL

response 9899

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	30.19#
126.10	17.20	21.71#
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410025-07 File ID: 1410025-07.D

Sampled: 09/30/14 00:00 Prepared: 10/09/14 07:32 Analyzed: 10/20/14 23:02

Solids: 96.13 Preparation: 3550C Sonication Extract Initial/Final: 29.1 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.2	17	17	U
56-55-3	Benzo(a)anthracene	1	8.7	2.9	8.7	17	U
50-32-8	Benzo(a)pyrene	1	2.9	2.4	8.7	17	J
205-99-2	Benzo(b)fluoranthene	1	5.0	2.0	8.7	17	J
207-08-9	Benzo(k)fluoranthene	1	3.2	2.0	8.7	17	J
191-24-2	Benzo(g,h,i)perylene	1	2.1	2.0	8.7	35	J
65-85-0	Benzoic Acid	1	96	72	170	350	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.2	17	35	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.7	3.8	8.7	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	4.0	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.7	2.0	8.7	35	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	35	14	35	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3′-Dichlorobenzidine	1	690	290	690	870	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	35	U
84-66-2	Diethyl Phthalate	1	9.7	5.0	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.7	4.2	8.7	17	U
121-14-2	2,4-Dinitrotoluene	1	8.7	3.4	8.7	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-07
File ID: 1410025-07.D
Sampled: 09/30/14 00:00
Prepared: 10/09/14 07:32
Analyzed: 10/20/14 23:02
Solids: 96.13
Preparation: 3550C Sonication Extract
Initial/Final: 29.1 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	15	4.0	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.7	3.5	8.7	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	47	12	17	35	
206-44-0	Fluoranthene	1	17	4.7	17	17	U
86-73-7	Fluorene	1	17	4.2	17	35	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.8	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.7	2.8	8.7	35	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.7	3.8	8.7	17	U
95-48-7	2-Methylphenol	1	8.7	3.7	8.7	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	70	25	70	340	U
88-74-4	2-Nitroaniline	1	8.7	3.7	8.7	17	U
99-09-2	3-Nitroaniline	1	35	17	35	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.7	17	17	U
100-02-7	4-Nitrophenol	1	350	110	350	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.7	3.6	8.7	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.7	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.7	2.6	8.7	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	715	611	85	33 - 113	
Phenol-d6	715	649	91	30 - 115	
Nitrobenzene-d5	357	318	89	33 - 131	
2-Fluorobiphenyl	357	332	93	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13SB14-34DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410025-07
File ID: 1410025-07.D
Sampled: 09/30/14 00:00
Prepared: 10/09/14 07:32
Analyzed: 10/20/14 23:02
Solids: 96.13
Preparation: 3550C Sonication Extract
Initial/Final: 29.1 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	715	593	83	12 - 124	
o-Terphenyl	357	351	98	20 - 155	

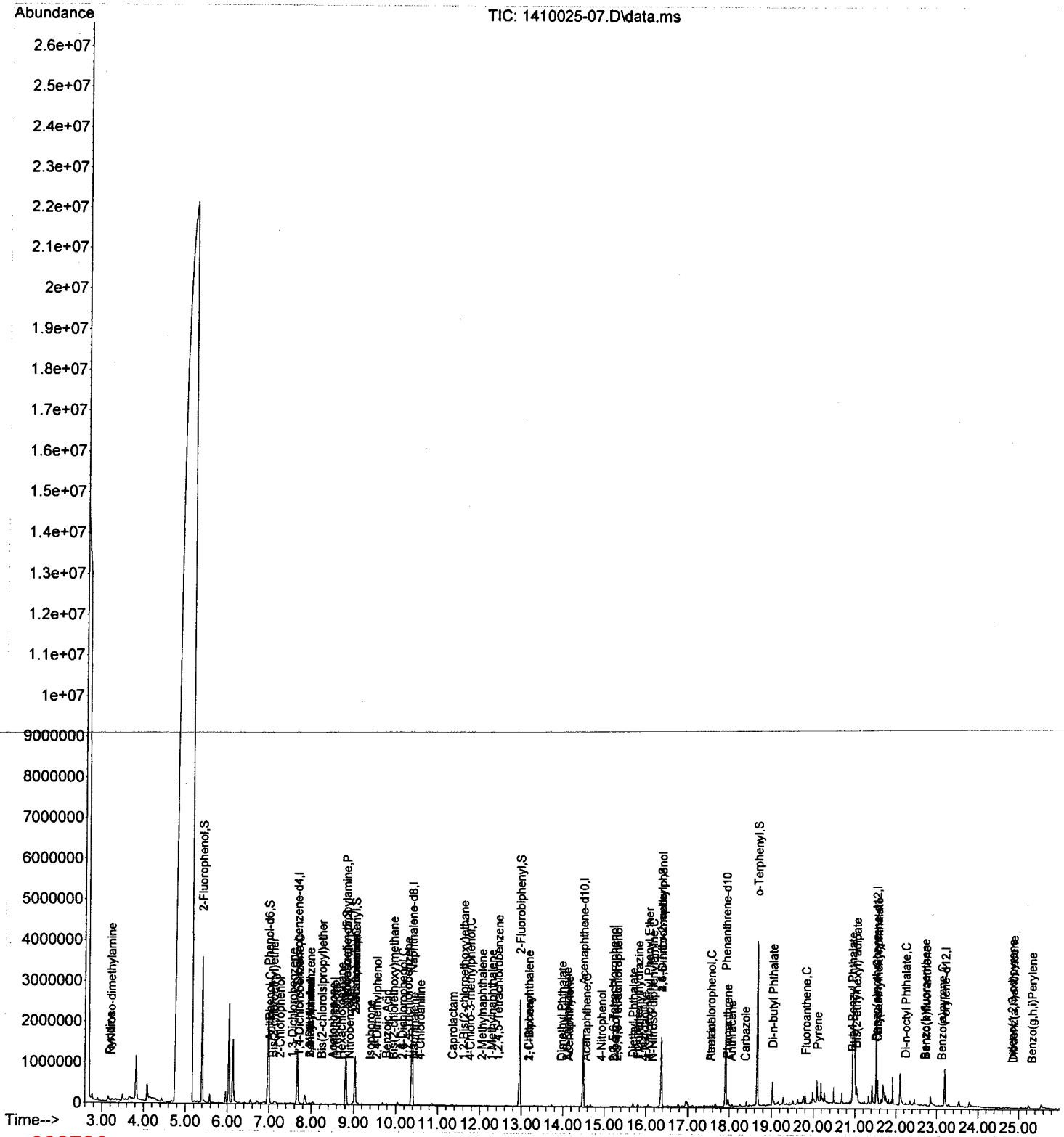
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	376929	7.664	403279	7.614	
Naphthalene-d8	1476144	10.386	1529030	10.359	
Acenaphthene-d10	798633	14.489	866604	14.474	
Phenanthrene-d10	1231890	17.91	1400442	17.901	
Chrysene-d12	886253	21.518	1153654	21.538	
Perylene-d12	499243	23.197	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:09:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:09:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.664	152	376929	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.386	136	1476144	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.489	164	798633	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.910	188	1231890	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	886253	5.00	ng/uL	#-0.01
89) Perylene-d12	23.197	264	499243	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.396	112	1470819	17.08	ng/uL	0.18
6) Phenol-d6	6.982	99	2025037	18.16	ng/uL	0.04
21) Nitrobenzene-d5	8.812	82	838500	8.89	ng/uL	0.00
23) Decafluorobiphenyl	9.033	334	541480	8.18	ng/uL	0.00
47) 2-Fluorobiphenyl	12.962	172	1534978	9.30	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.372	330	310063	16.59	ng/uL	-0.01
78) o-Terphenyl	18.662	230	1037455	9.82	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.211	74	296	0.01	ng/uL#	1
3) Pyridine	3.187	79	3531	0.04	ng/uL#	57
5) Aniline	7.005	93	318	0.23	ng/uL#	33
7) Phenol	6.999	94	3041	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.092	93	123	0.00	ng/uL#	1
9) 2-Chlorophenol	7.244	128	402	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.541	146	3504	0.03	ng/uL#	12
11) 1,4-Dichlorobenzene	7.699	146	1632	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.961	146	413	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.241	45	804	0.00	ng/uL#	31
14) Benzyl Alcohol	7.961	108	2353	0.04	ng/uL#	72
15) 2-Methylphenol	7.961	108	2353	0.03	ng/uL#	1
16) Acetophenone	8.497	105	2808	0.02	ng/uL#	79
17) Hexachloroethane	8.695	119	402	0.01	ng/uL#	3
18) 4-Methylphenol	8.544	108	531	0.01	ng/uL#	77
19) N-Nitroso-di-n-propyla...	8.812	70	110165	1.62	ng/uL#	10
22) Nitrobenzene	8.893	77	355	0.00	ng/uL#	57
24) Isophorone	9.395	82	1499	0.01	ng/uL#	77
25) 2-Chloroaniline	9.027	127	7273	0.06	ng/uL#	62
26) 2-Nitrophenol	9.033	139	1653	0.03	ng/uL#	49
27) 2,4-Dimethylphenol	9.546	107	221	0.00	ng/uL	90
28) Bis(2-chlorethoxy)methane	9.937	93	91	0.00	ng/uL#	6
29) 2,4-Dichlorophenol	10.158	162	483	0.01	ng/uL#	38
30) Benzoic Acid	9.779	105	18505	2.68	ng/uL	88
31) 1,2,4-Trichlorobenzene	10.275	180	1930	0.02	ng/uL	97
32) Naphthalene	10.426	128	3558	0.01	ng/uL#	87
33) 4-Chloroaniline	10.578	127	562	0.01	ng/uL#	23
34) 2,6-Dichlorophenol	10.158	162	483	0.01	ng/uL#	60
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.353	55	9251	0.22	ng/uL#	51
37) 1,2-Bis(2-chloroethoxy...	11.610	63	125	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.761	107	533	0.01	ng/uL#	14
39) 2-Methylnaphthalene	12.047	142	1638	0.01	ng/uL#	79
40) 1-Methylnaphthalene	12.280	142	1230	0.01	ng/uL	97
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:09:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.431	216	126	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.172	162	377	0.00 ng/uL#	23
49) 1,1'-Biphenyl	13.177	154	1524	0.01 ng/uL#	76
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.139	152	438	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.093	165	406	0.01 ng/uL#	26
53) Dimethyl Phthalate	13.964	163	1126	0.01 ng/uL#	66
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.559	153	327	0.00 ng/uL#	69
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	15.247	168	128	0.00 ng/uL	96
58) 4-Nitrophenol	14.926	65	139	0.00 ng/uL#	56
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	15.206	232	126	0.00 ng/uL#	59
61) 2,3,4,6-Tetrachlorophenol	15.299	232	70	0.00 ng/uL#	1
62) Fluorene	15.806	166	622	0.00 ng/uL#	1
63) Diethyl Phthalate	15.684	149	43370	0.27 ng/uL	97
64) 4-Chlorophenyl Phenyl ...	16.057	204	1487	0.02 ng/uL#	1
65) 4-Nitroaniline	15.964	138	115	0.00 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.372	198	908	1.02 ng/uL#	1
68) N-Nitroso-diphenylamine	16.162	169	821	0.01 ng/uL#	44
69) 1,2-Diphenylhydrazine	15.812	182	353	0.01 ng/uL	83
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.555	200	410	0.01 ng/uL#	25
74) Pentachlorophenol	17.549	266	1970	0.07 ng/uL#	71
75) Phenanthrene	17.951	178	14000	0.06 ng/uL#	89
76) Anthracene	18.044	178	1420	0.01 ng/uL#	90
77) Carbazole	18.371	167	1939	0.01 ng/uL#	83
79) Di-n-butyl Phthalate	19.035	149	21579	0.09 ng/uL	100
80) Fluoroanthene	19.816	202	12741	0.06 ng/uL#	78
82) Pyrene	20.102	202	14759	0.07 ng/uL#	14
83) Butyl Benzyl Phthalate	20.930	149	8069m	0.10 ng/uL	
84) Bis(2-ethylhexyl) adipate	21.029	129	4542	0.12 ng/uL#	100
85) Benzo(a)anthracene	21.507	228	10138	0.06 ng/uL#	50
86) Chrysene	21.547	228	12923	0.08 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.553	149	139491	1.31 ng/uL	92
88) Di-n-octyl Phthalate	22.235	149	17422m	0.43 ng/uL	
90) Benzo(b)fluoroanthene	22.701	252	12690	0.14 ng/uL#	95
91) Benzo(k)fluoranthene	22.736	252	8970	0.09 ng/uL#	91
92) Benzo(a)pyrene	23.121	252	7260	0.08 ng/uL#	78
93) Indeno(1,2,3-cd)pyrene	24.829	276	4037	0.05 ng/uL	91
94) Dibdenz(a,h)anthracene	24.864	278	2698	0.04 ng/uL#	7
95) Benzo(g,h,i)Perylene	25.319	276	3694	0.06 ng/uL#	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 07:50:40 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

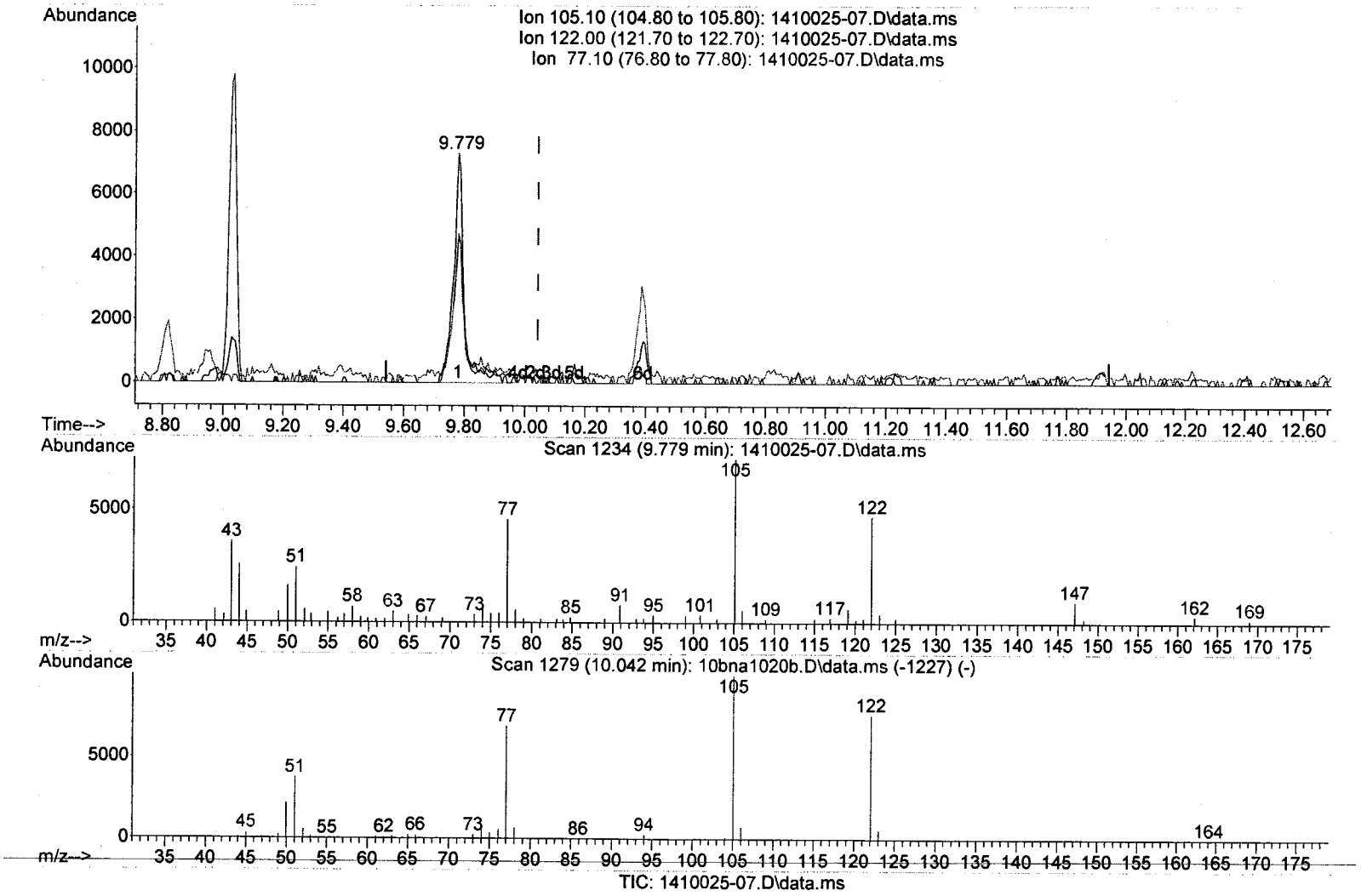
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.664	152	375756	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.386	136	1476144	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.489	164	798353	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1232673	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	886253	5.00	ng/uL	#	0.00
22) Perylene-d12	23.197	264	499243	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.211	74	988	0.02	ng/uL	#	1
3) Pyridine	2.768	79	5532	0.05	ng/uL		84
4) Aniline	7.005	93	318	0.00	ng/uL	#	33
5) Benzaldehyde	6.783	105	362	0.00	ng/uL	#	26
6) Acetophenone	8.497	105	2808	0.02	ng/uL	#	85
7) N-Nitroso-di-n-propyla...	8.550	70	1840	0.03	ng/uL	#	70
9) 4-Chloroaniline	10.578	127	562	0.01	ng/uL	#	23
10) Caprolactam	11.353	55	3371	0.17	ng/uL	#	44
12) 1,1'-Biphenyl	13.177	154	1524	0.01	ng/uL	#	76
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.964	138	115	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.162	169	821	0.01	ng/uL	#	44
18) Atrazine	17.555	200	410	Below Cal		#	25
20) Benzidine	20.049	184	2633	0.43	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.606	252	428	0.01	ng/uL		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:08:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.779min (-0.262) 2.68 ng/uL

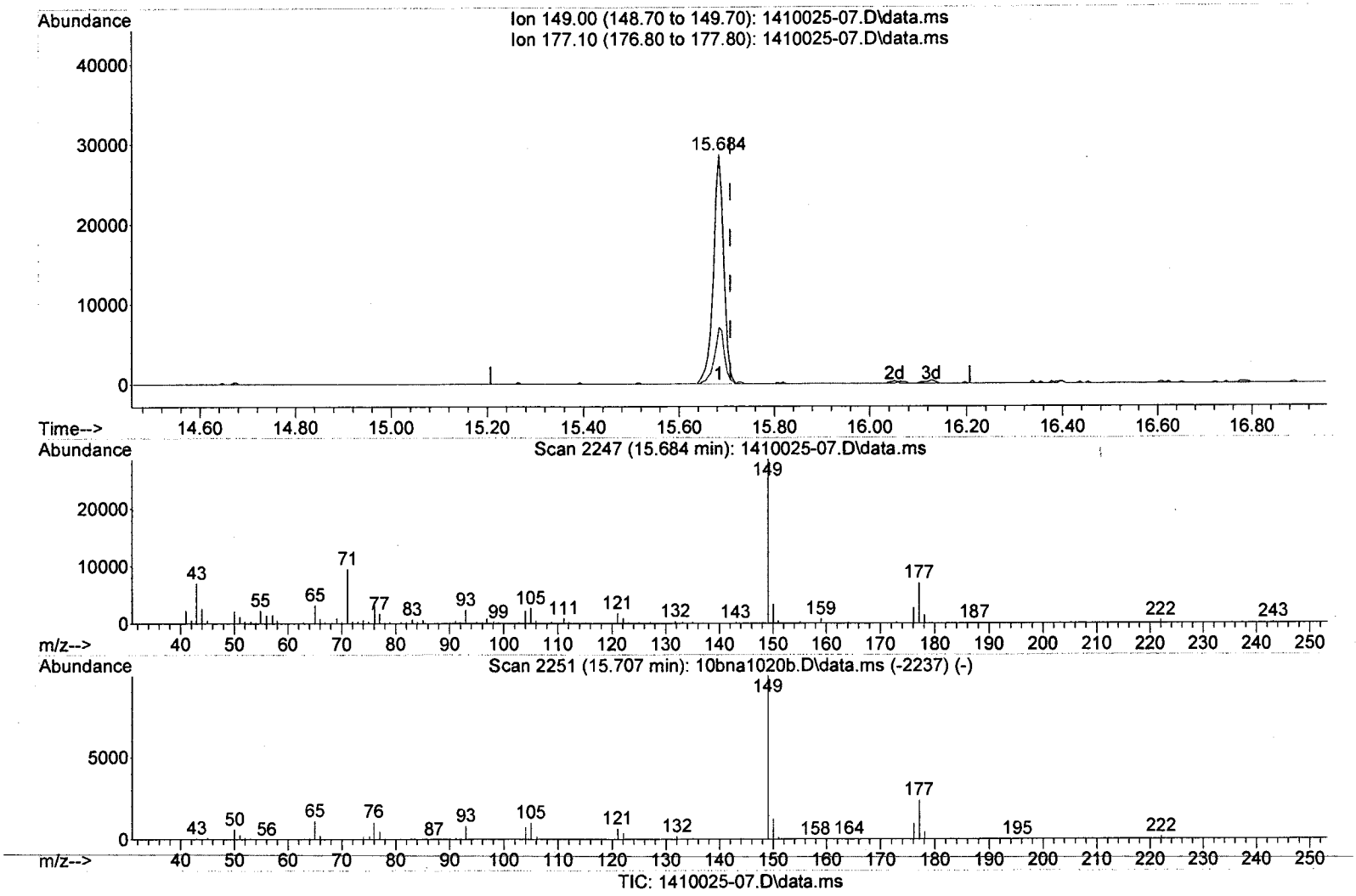
response 18505

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	69.26
77.10	74.70	84.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:08:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-07.D\data.ms

(63) Diethyl Phthalate

15.684min (-0.023) 0.27 ng/uL

response 43370

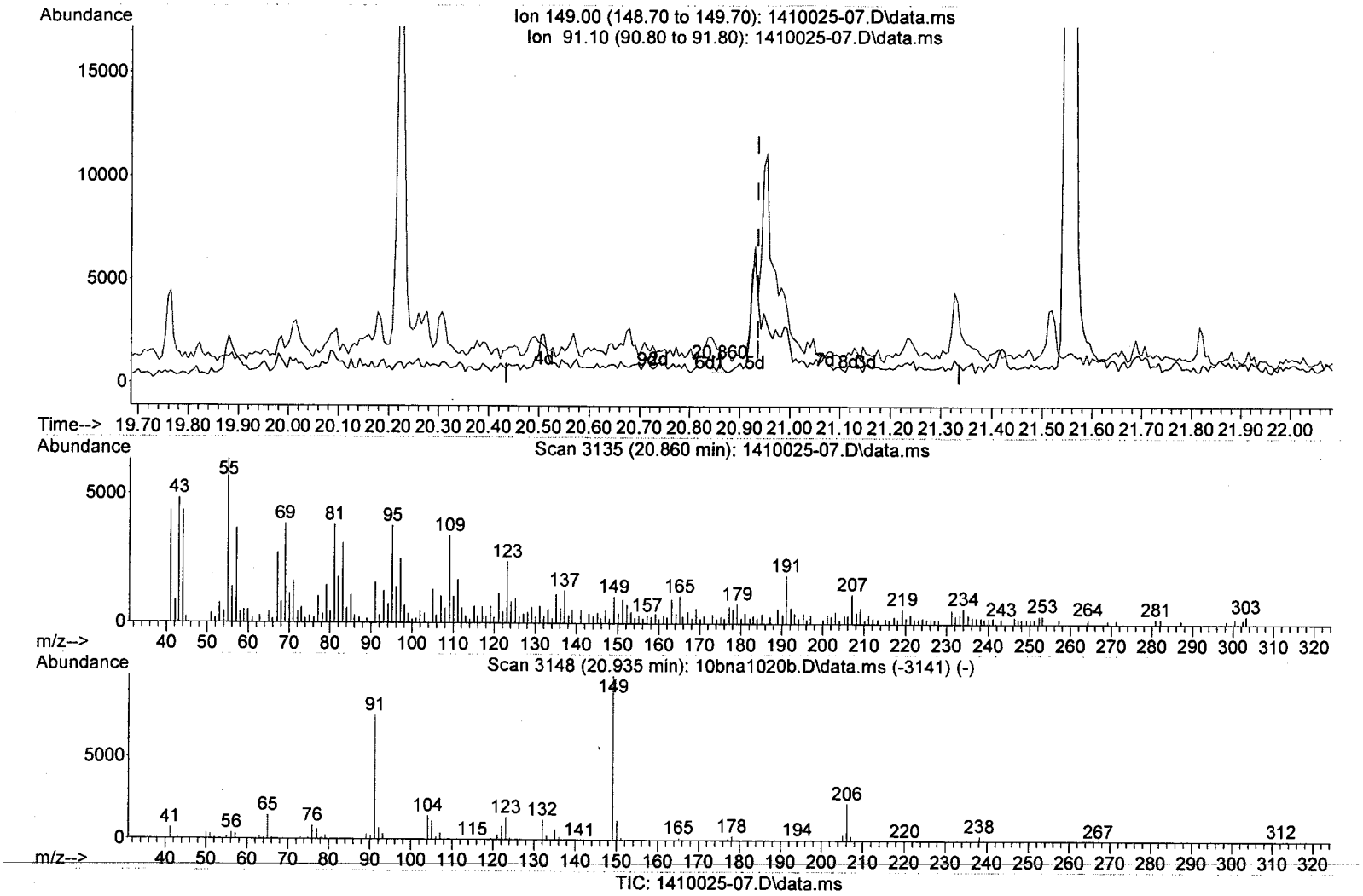
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	24.02
0.00	0.00	0.00
0.00	0.00	0.00

003741

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:08:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.860min (-0.076) 0.00 ng/uL

response 393

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	81.17
0.00	0.00	0.00
0.00	0.00	0.00

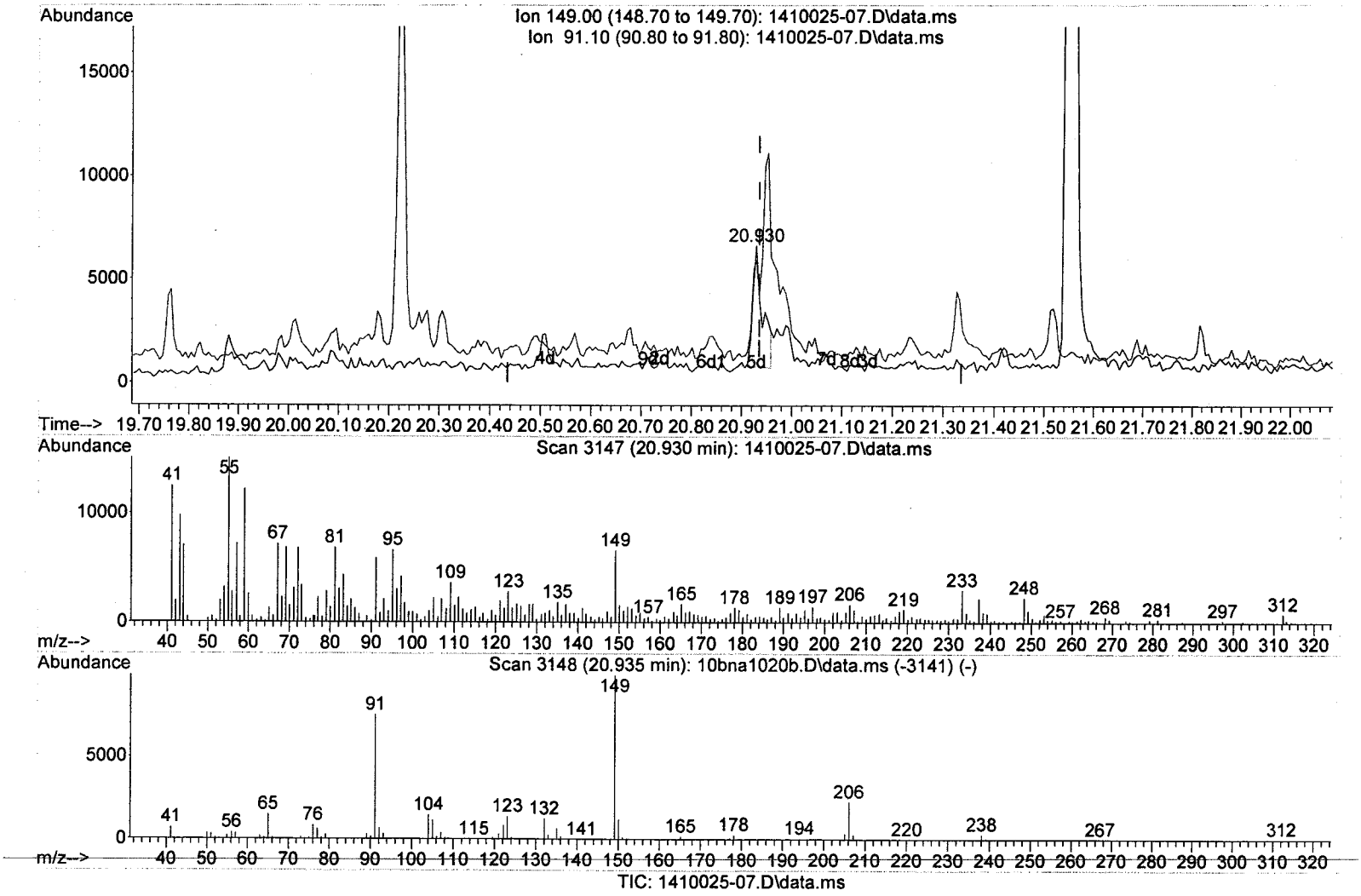
10/21/14

Dwo 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:08:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.930min (-0.006) 0.10 ng/uL m

response 8069

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	3.95#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No

Analyst: JLB Date: 10/22/14

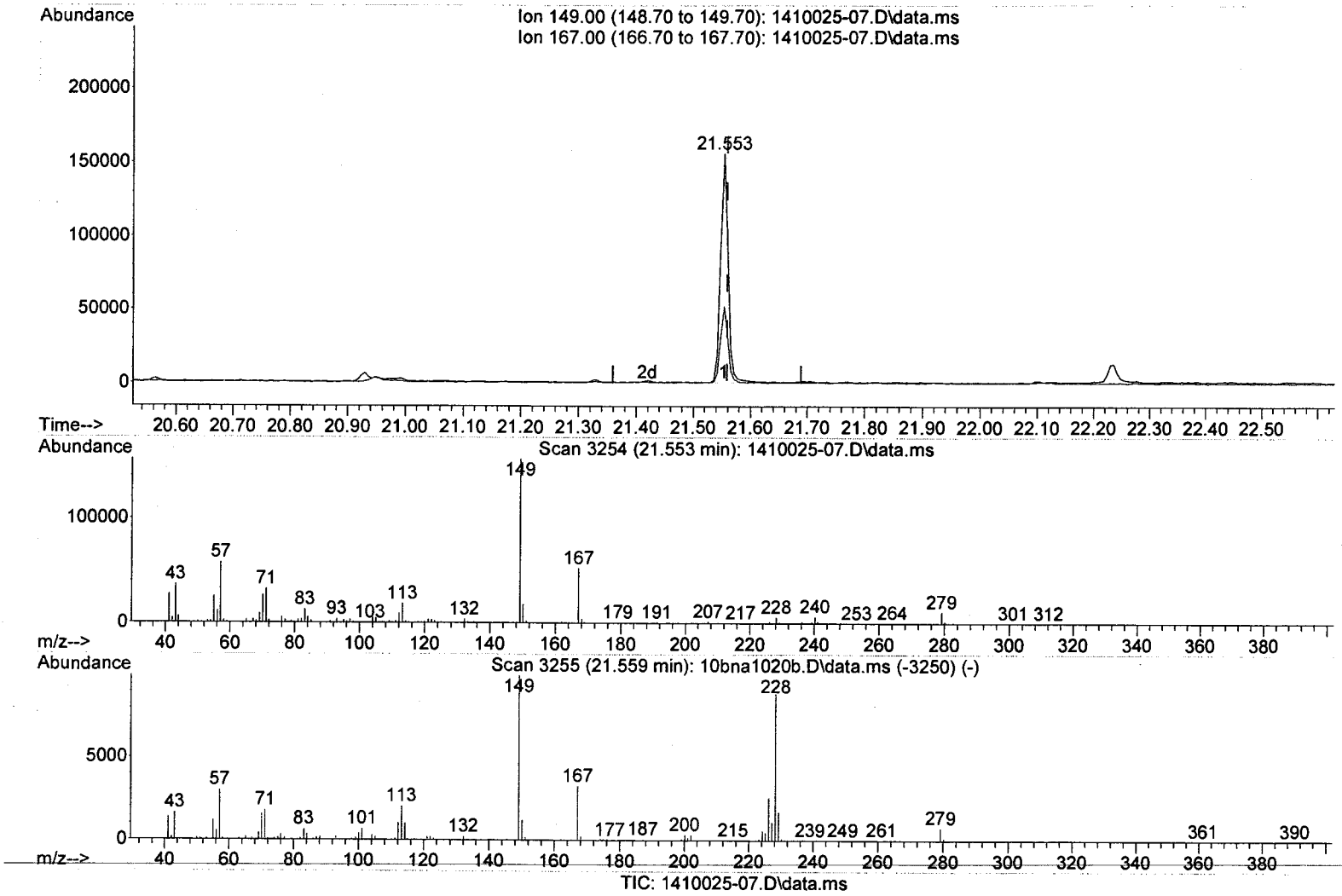
Reviewed By: DW Date: 10-22-14

<MDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:08:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.553min (-0.006) 1.31 ng/uL

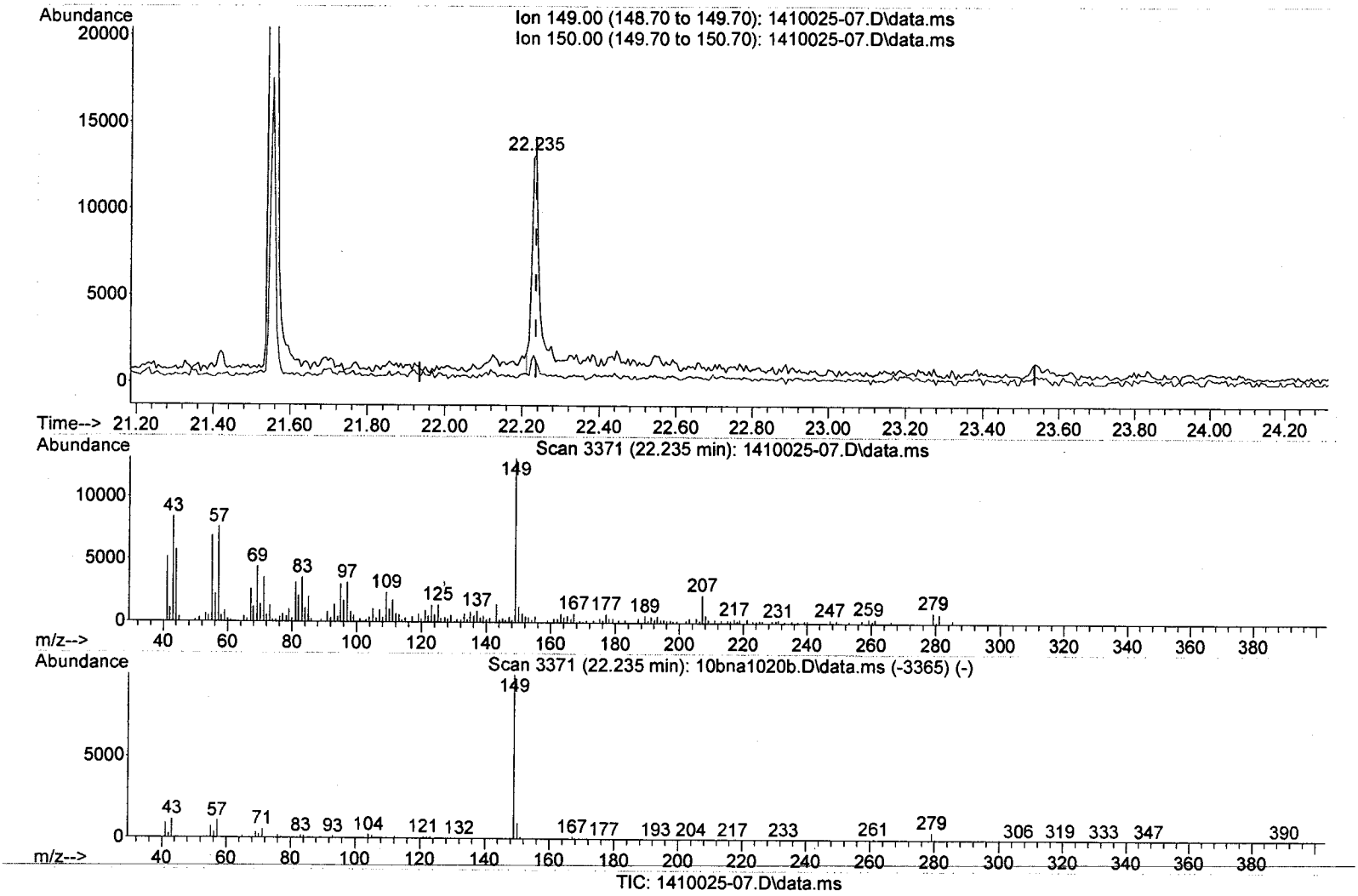
response 139491

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:08:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-07.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.235min (-0.000) 0.61 ng/uL

response 51940

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	3.97#
0.00	0.00	0.00
0.00	0.00	0.00

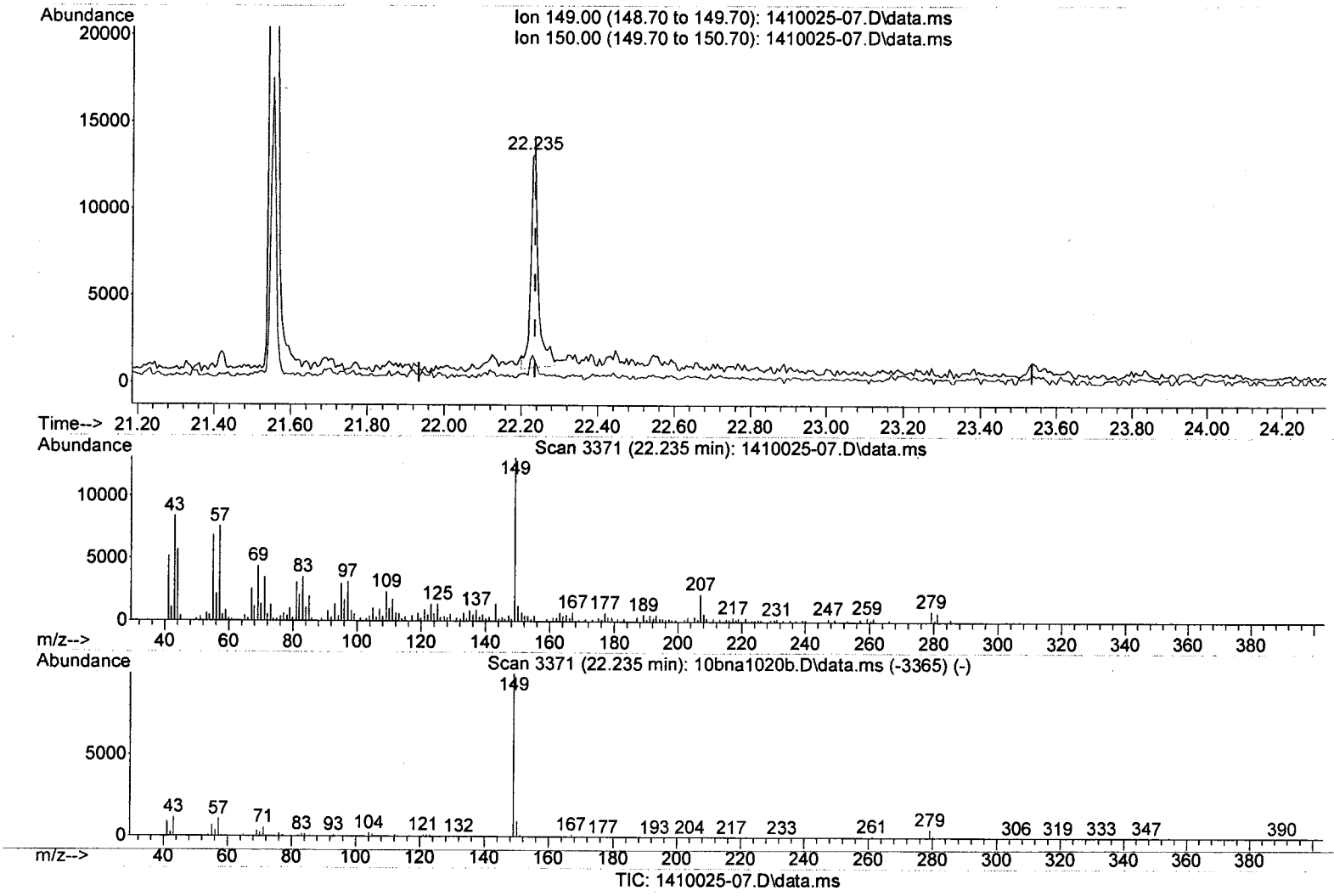
JMS 10/21/14

DWS 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:08:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-07.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.235min (-0.000) 0.43 ng/uL m

response 17422

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	11.83#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

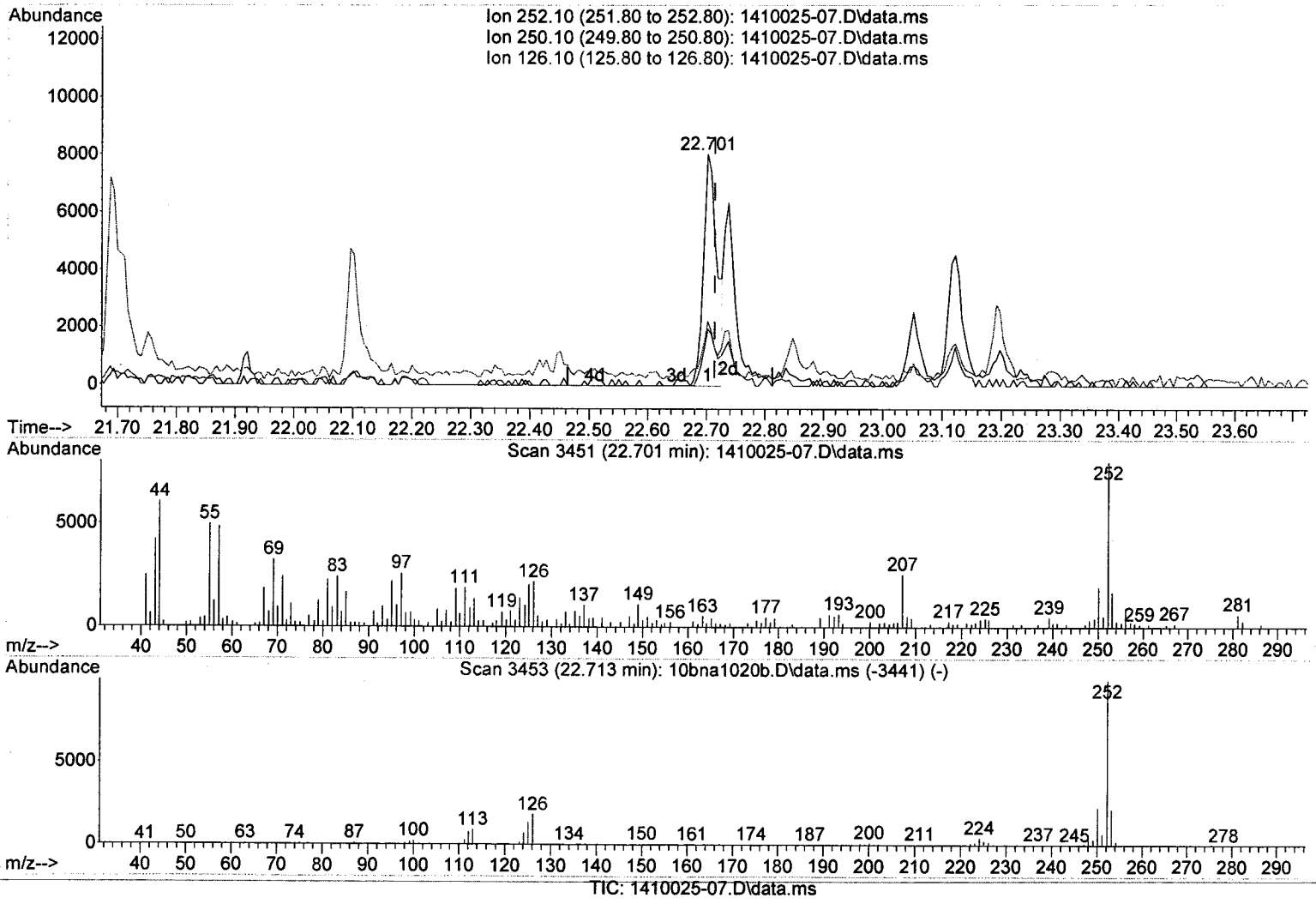
Flagged on Quantitation Report: Yes / No
Analyst: JWS Date: 10/21/14
Reviewed By: DWS Date: 10-22-14

003746

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:08:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.701min (-0.012) 0.14 ng/uL

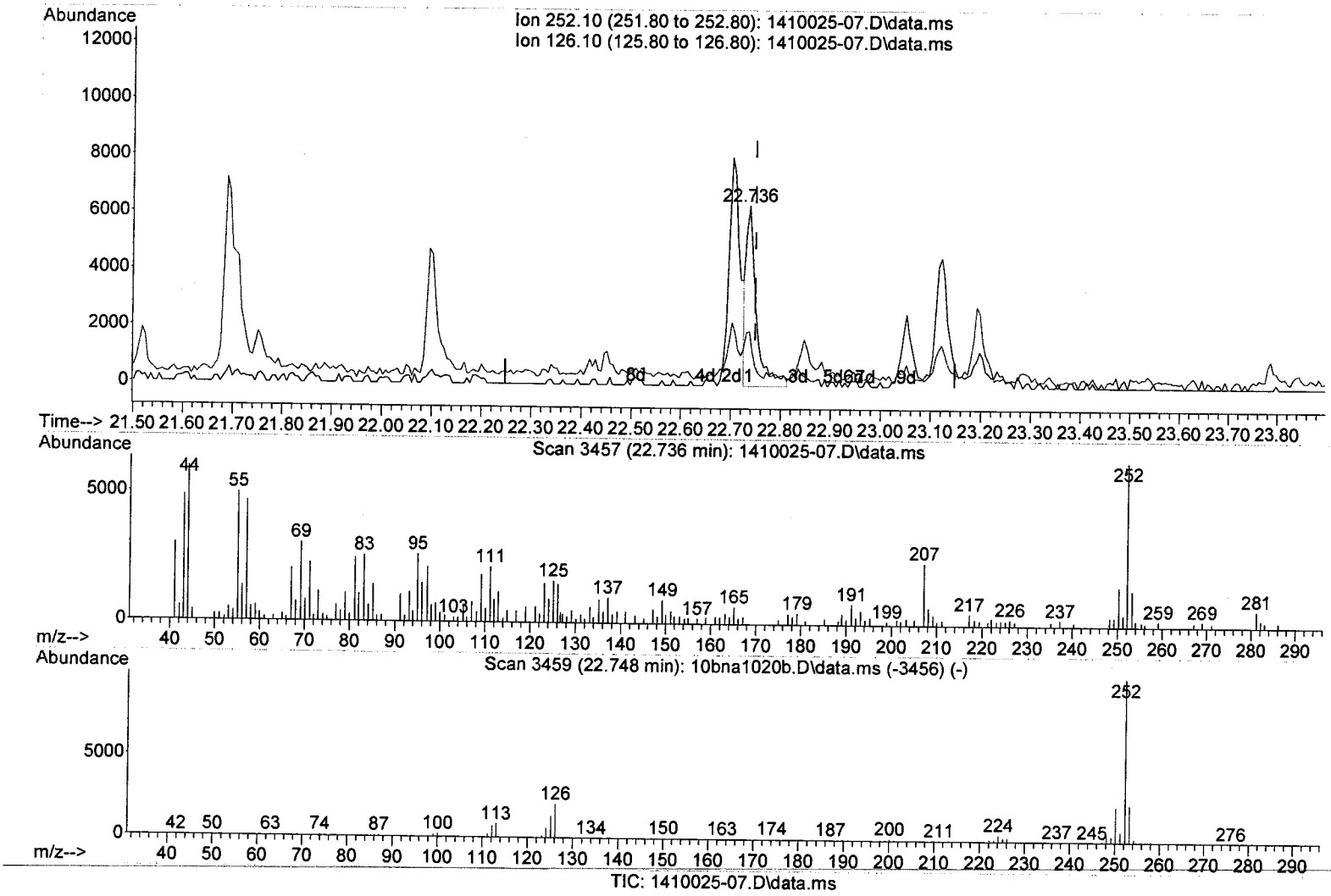
response 12690

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	22.45
126.10	17.20	21.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:08:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410025-07.D\data.ms

(91) Benzo(k)fluoranthene

22.736min (-0.012) 0.09 ng/uL

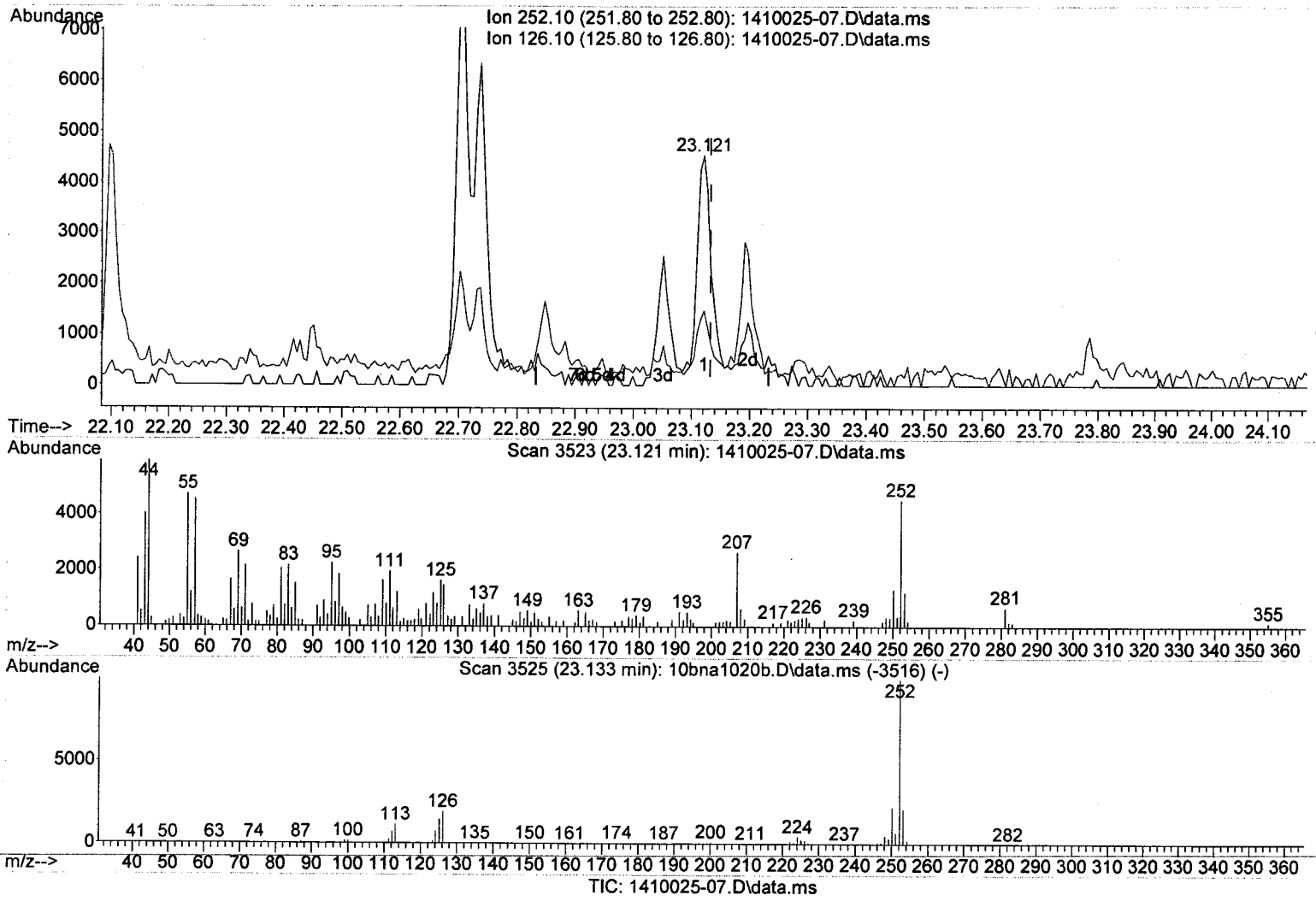
response 8970

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	22.82#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:08:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

23.121min (-0.012) 0.08 ng/uL

response 7260

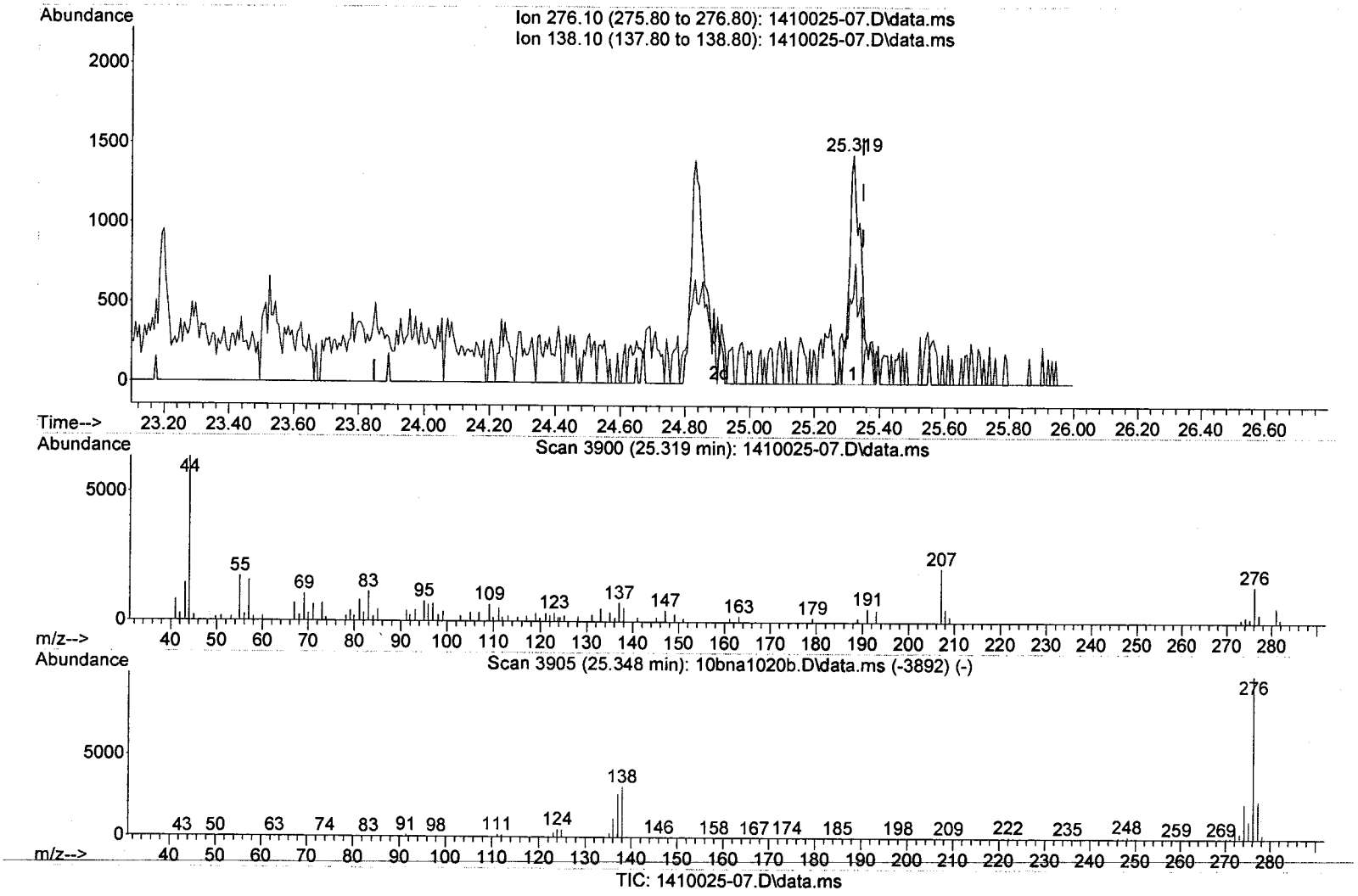
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	29.31#
0.00	0.00	0.00
0.00	0.00	0.00

003749

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410025-07.D
Acq On : 20 Oct 2014 23:02
Operator : JLB
Sample : 1410025-07 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 08:08:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.319min (-0.029) 0.06 ng/uL

response 3694

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	42.85#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW12-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410025-08 File ID: 1410025-08.D

Sampled: 09/30/14 09:54 Prepared: 10/02/14 07:47 Analyzed: 10/08/14 21:57

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 980 mL / 1 mL

QC Batch: 1410565 Sequence: 4J09063 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	0.10	0.033	0.10	0.50	U
208-96-8	Acenaphthylene	1	0.050	0.017	0.050	0.50	U
120-12-7	Anthracene	1	0.20	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	1	0.10	0.045	0.10	0.50	U
50-32-8	Benzo(a)pyrene	1	0.10	0.040	0.10	0.50	U
205-99-2	Benzo(b)fluoranthene	1	0.20	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	1	0.20	0.060	0.20	0.50	U
191-24-2	Benzo(g,h,i)perylene	1	0.20	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	1	3.2	0.48	2.0	5.0	J
100-51-6	Benzyl Alcohol	1	0.071	0.049	0.10	0.50	J
101-55-3	4-Bromophenyl Phenyl Ether	1	0.10	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	1	0.082	0.056	0.20	1.0	J
86-74-8	Carbazole	1	0.20	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	1	0.25	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	1	0.25	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	1	0.050	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	1	0.050	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	0.10	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	1	0.050	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	1	0.10	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	0.10	0.048	0.10	0.50	U
218-01-9	Chrysene	1	0.10	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	1	0.25	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	1	0.061	0.041	0.10	0.50	J
84-74-2	Di-n-butyl Phthalate	1	0.27	0.14	1.0	1.0	J
106-46-7	1,4-Dichlorobenzene	1	0.29	0.020	0.050	0.50	J
95-50-1	1,2-Dichlorobenzene	1	0.22	0.040	0.10	0.50	J
541-73-1	1,3-Dichlorobenzene	1	0.29	0.041	0.10	0.50	J
91-94-1	3,3´-Dichlorobenzidine	1	0.50	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	1	0.20	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	1	0.12	0.065	0.25	0.50	J
105-67-9	2,4-Dimethylphenol	1	0.50	0.17	0.50	1.0	U
131-11-3	Dimethyl Phthalate	1	0.061	0.046	0.10	0.50	J
534-52-1	4,6-Dinitro-2-methylphenol	1	4.0	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	1	5.0	1.2	5.0	5.0	U
606-20-2	2,6-Dinitrotoluene	1	0.20	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	1	0.10	0.048	0.10	0.50	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW12-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410025-08 File ID: 1410025-08.D

Sampled: 09/30/14 09:54 Prepared: 10/02/14 07:47 Analyzed: 10/08/14 21:57

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 980 mL / 1 mL

QC Batch: 1410565 Sequence: 4J09063 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	0.20	0.077	0.20	0.50	U
122-66-7	1,2-Diphenylhydrazine	1	0.10	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	6.3	0.11	0.50	0.50	
206-44-0	Fluoranthene	1	0.20	0.063	0.20	0.50	U
86-73-7	Fluorene	1	0.082	0.041	0.10	0.50	J
118-74-1	Hexachlorobenzene	1	0.20	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	1	0.10	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	1	0.10	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.25	0.080	0.25	0.50	U
78-59-1	Isophorone	1	0.10	0.045	0.10	0.50	U
91-57-6	2-Methylnaphthalene	1	0.092	0.015	0.050	0.50	J
108-39-4	3+4-Methylphenol	1	0.20	0.057	0.20	5.0	U
95-48-7	2-Methylphenol	1	0.20	0.048	0.20	0.50	U
91-20-3	Naphthalene	1	0.041	0.031	0.10	0.50	J
100-01-6	4-Nitroaniline	1	1.0	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	1	0.50	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	1	0.50	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	1	0.20	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	1	0.20	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	1	5.0	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	1	0.10	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	1	0.20	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	1	0.20	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	1	0.50	0.13	0.50	0.50	U
85-01-8	Phenanthrene	1	0.051	0.043	0.10	0.50	J
108-95-2	Phenol	1	0.10	0.034	0.10	0.50	U
129-00-0	Pyrene	1	0.20	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.21	0.027	0.10	0.50	J
95-95-4	2,4,5-Trichlorophenol	1	0.25	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	1	0.25	0.085	0.25	0.50	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	20.4	10.1	49	19 - 119	
Phenol-d6	20.4	6.58	32	18 - 45	
Nitrobenzene-d5	10.2	7.98	78	44 - 120	
2-Fluorobiphenyl	10.2	8.10	79	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW12-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1410025-08
File ID: 1410025-08.D
Sampled: 09/30/14 09:54
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 21:57
Solids:
Preparation: 3510C Liquid-Liquid Extr
Initial/Final: 980 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09063
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	20.4	18.8	92	43 - 140	
o-Terphenyl	10.2	9.07	89	42 - 125	

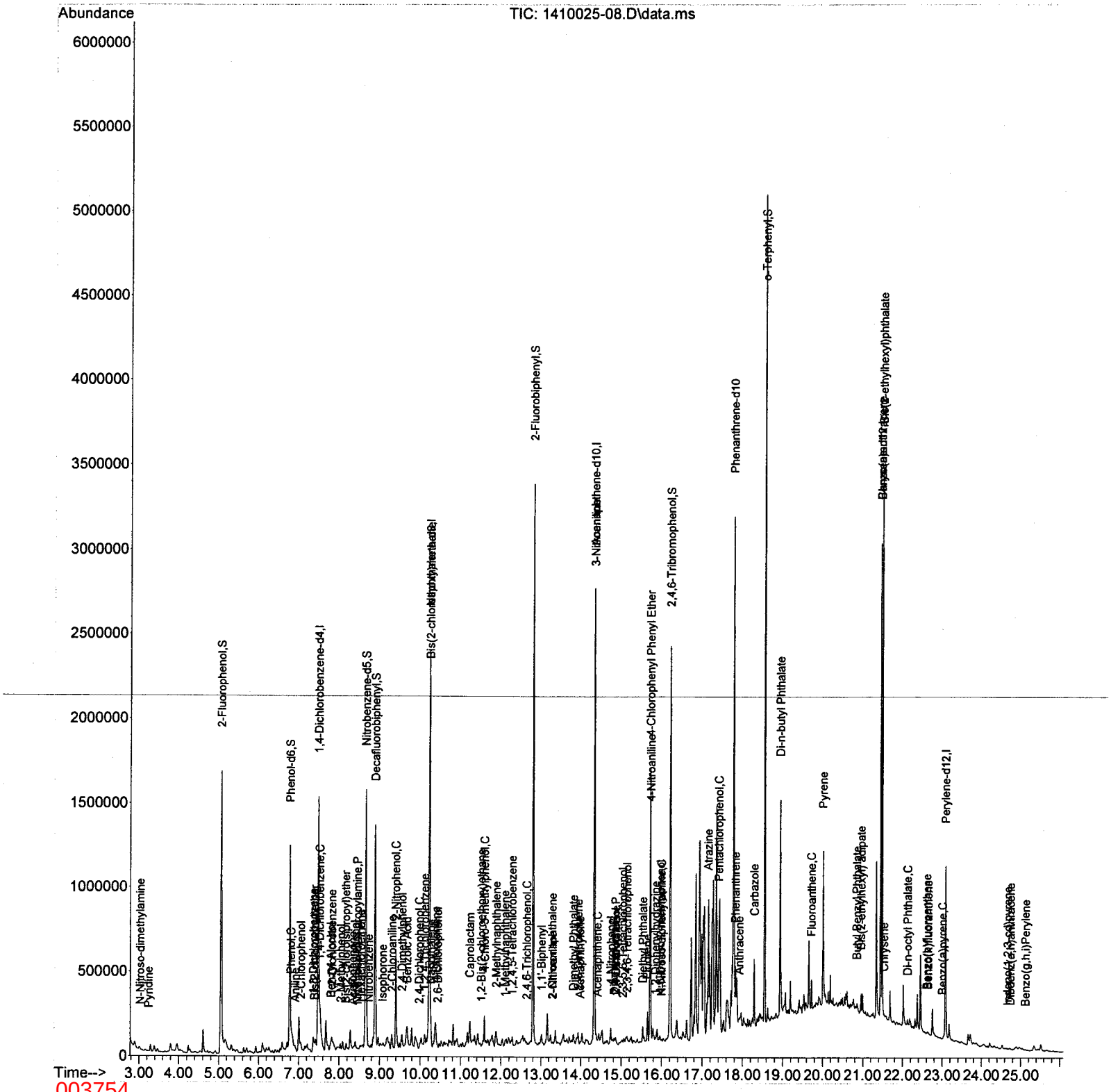
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	512158	7.486	403279	7.614	
Naphthalene-d8	1968586	10.225	1529030	10.359	
Acenaphthene-d10	1100861	14.328	866604	14.474	
Phenanthrene-d10	1654845	17.779	1400442	17.901	
Chrysene-d12	1173650	21.445	1153654	21.538	
Perylene-d12	591743	23.083	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:46:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:46:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.486	152	512158	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.225	136	1968586	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.328	164	1100861	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.779	188	1654845	5.00	ng/uL	0.00
81) Chrysene-d12	21.445	240	1173650	5.00	ng/uL	# 0.00
89) Perylene-d12	23.083	264	591743	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.055	112	1155103	9.87	ng/uL	-0.02
6) Phenol-d6	6.780	99	976878	6.45	ng/uL	-0.02
21) Nitrobenzene-d5	8.651	82	984561	7.82	ng/uL	-0.01
23) Decafluorobiphenyl	8.884	334	580944	6.58	ng/uL	0.00
47) 2-Fluorobiphenyl	12.801	172	1807054	7.94	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.217	330	462869	18.44	ng/uL	0.00
78) o-Terphenyl	18.554	230	1261896	8.89	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.027	74	398	0.01	ng/uL#	1
3) Pyridine	3.236	79	185	0.00	ng/uL	94
5) Aniline	6.908	93	1252	0.23	ng/uL	87
7) Phenol	6.804	94	7263	0.04	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.392	93	2305	0.02	ng/uL	95
9) 2-Chlorophenol	7.048	128	541	0.00	ng/uL#	66
10) 1,3-Dichlorobenzene	7.363	146	41174	0.28	ng/uL#	78
11) 1,4-Dichlorobenzene	7.521	146	41820	0.28	ng/uL#	73
12) 1,2-Dichlorobenzene	7.824	146	29940	0.22	ng/uL#	57
13) Bis(2-chloroisipropyl)...	8.162	45	351	0.00	ng/uL	94
14) Benzyl Alcohol	7.800	108	6302	0.07	ng/uL	88
15) 2-Methylphenol	8.039	108	929	0.01	ng/uL#	1
16) Acetophenone	8.331	105	8576	0.05	ng/uL#	56
17) Hexachloroethane	8.535	119	13708	0.25	ng/uL#	8
18) 4-Methylphenol	8.395	108	1917	0.02	ng/uL#	68
19) N-Nitroso-di-n-propyla...	8.447	70	1751	0.02	ng/uL#	1
22) Nitrobenzene	8.721	77	174	0.00	ng/uL#	19
24) Isophorone	9.071	82	1111	0.00	ng/uL	97
25) 2-Chloroaniline	9.304	127	1149	0.01	ng/uL#	57
26) 2-Nitrophenol	9.391	139	364	0.01	ng/uL#	1
27) 2,4-Dimethylphenol	9.549	107	2088	0.02	ng/uL#	76
28) Bis(2-chlorethoxy)methane	10.231	93	2728	0.02	ng/uL	91
29) 2,4-Dichlorophenol	9.974	162	2013	0.02	ng/uL#	1
30) Benzoic Acid	9.671	105	68315	3.09	ng/uL	90
31) 1,2,4-Trichlorobenzene	10.108	180	24135	0.21	ng/uL	96
32) Naphthalene	10.266	128	16634	0.04	ng/uL#	74
33) 4-Chloroaniline	10.388	127	2287	0.02	ng/uL#	1
34) 2,6-Dichlorophenol	10.435	162	3662	0.04	ng/uL#	38
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.228	55	65109	1.15	ng/uL#	28
37) 1,2-Bis(2-chloroethoxy...	11.513	63	168	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.595	107	1839	0.02	ng/uL#	1
39) 2-Methylnaphthalene	11.886	142	22728	0.09	ng/uL#	89
40) 1-Methylnaphthalene	12.108	142	16254	0.07	ng/uL#	91
41) 1,3 Dinitrobenzene	13.839	168	56	Below Cal		100

003755

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:46:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.277	216	60	0.00 ng/uL#	1
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	12.644	196	323	0.01 ng/uL#	1
46) 2,4,5-Trichlorophenol	12.644	196	323	0.00 ng/uL#	1
48) 2-Chloronaphthalene	13.285	162	1072	0.01 ng/uL	93
49) 1,1'-Biphenyl	13.011	154	30135	0.10 ng/uL	95
50) 2-Nitroaniline	13.297	138	1730	0.02 ng/uL#	16
51) Acenaphthylene	13.979	152	1739	0.00 ng/uL#	53
52) 2,6-Dinitrotoluene	13.932	165	3261	0.06 ng/uL#	35
53) Dimethyl Phthalate	13.815	163	14534	0.06 ng/uL#	75
54) 3-Nitroaniline	14.334	138	749	0.02 ng/uL#	1
55) Acenaphthene	14.404	153	7434m	0.03 ng/uL	
56) 2,4-Dinitrophenol	14.853	184	53	2.84 ng/uL#	1
57) Dibenzofuran	14.824	168	18981	0.06 ng/uL	100
58) 4-Nitrophenol	14.736	65	10873	0.24 ng/uL#	35
59) 2,4-Dinitrotoluene	14.865	165	2790	0.04 ng/uL#	34
60) 2,3,5,6-Tetrachlorophenol	15.034	232	295	0.01 ng/uL#	44
61) 2,3,4,6-Tetrachlorophenol	15.139	232	162	0.00 ng/uL#	1
62) Fluorene	15.640	166	19414	0.08 ng/uL#	96
63) Diethyl Phthalate	15.529	149	26084	0.12 ng/uL	92
64) 4-Chlorophenyl Phenyl ...	15.716	204	374	0.00 ng/uL#	1
65) 4-Nitroaniline	15.727	138	1483	0.04 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.972	198	116	0.99 ng/uL#	1
68) N-Nitroso-diphenylamine	15.995	169	4758	0.03 ng/uL#	53
69) 1,2-Diphenylhydrazine	15.844	182	562	0.01 ng/uL	90
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.149	200	623	0.01 ng/uL	92
74) Pentachlorophenol	17.412	266	1675	0.05 ng/uL#	1
75) Phenanthrene	17.826	178	14606	0.05 ng/uL	99
76) Anthracene	17.919	178	3851	0.01 ng/uL#	81
77) Carbazole	18.292	167	6062	0.02 ng/uL	96
79) Di-n-butyl Phthalate	18.939	149	82162	0.26 ng/uL	95
80) Fluoroanthene	19.720	202	6256	0.02 ng/uL#	76
82) Pyrene	20.011	202	7207	0.03 ng/uL#	1
83) Butyl Benzyl Phthalate	20.851	149	8478	0.08 ng/uL	96
84) Bis(2-ethylhexyl) adipate	20.956	129	21613	0.27 ng/uL#	100
85) Benzo(a)anthracene	21.445	228	4817	0.02 ng/uL#	1
86) Chrysene	21.533	228	211	0.00 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.486	149	870236	6.18 ng/uL	92
88) Di-n-octyl Phthalate	22.121	149	43736	0.51 ng/uL#	78
90) Benzo(b)fluoroanthene	22.611	252	2148	0.02 ng/uL#	74
91) Benzo(k)fluoranthene	22.646	252	1477	0.01 ng/uL	99
92) Benzo(a)pyrene	23.007	252	1625	0.02 ng/uL#	76
93) Indeno(1,2,3-cd)pyrene	24.674	276	2578	0.03 ng/uL#	75
94) Dibdenz(a,h)anthracene	24.744	278	276	0.00 ng/uL#	1
95) Benzo(g,h,i)Perylene	25.129	276	2265	0.03 ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

003756

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 09:07:29 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration

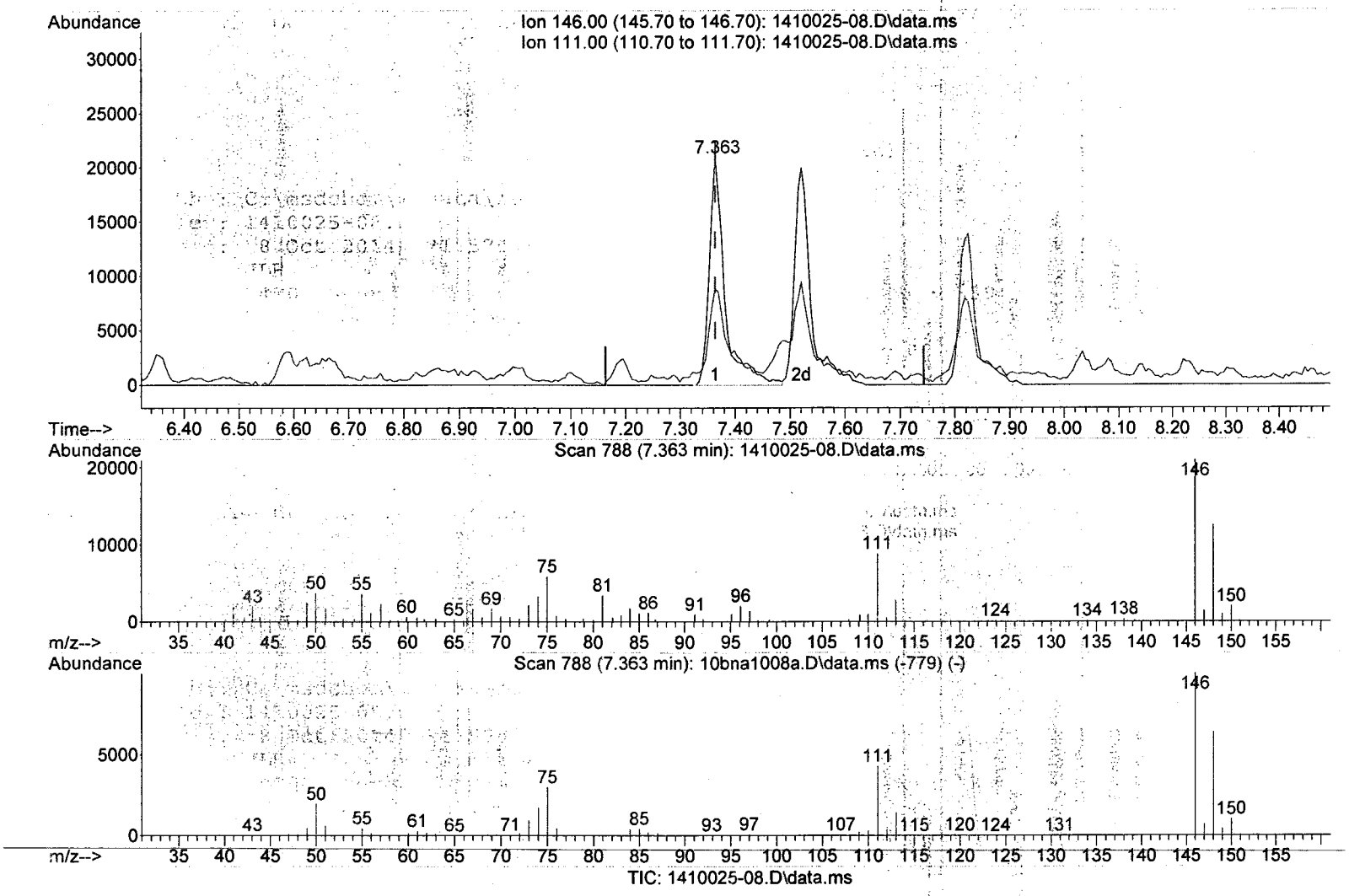
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.486	152	497724	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.225	136	1968395	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.328	164	1093021	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.779	188	1656183	5.00	ng/uL		0.00
19) Chrysene-d12	21.445	240	1173650	5.00	ng/uL	#	0.00
22) Perylene-d12	23.083	264	591743	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.219	74	128	0.00	ng/uL	#	1
3) Pyridine	3.236	79	185	0.00	ng/uL		94
4) Aniline	6.908	93	1252	0.01	ng/uL		87
5) Benzaldehyde	6.658	105	8775	0.08	ng/uL	#	29
6) Acetophenone	8.331	105	8576	0.05	ng/uL	#	56
7) N-Nitroso-di-n-propyla...	8.208	70	1333	0.01	ng/uL		90
9) 4-Chloroaniline	10.831	127	1521	0.02	ng/uL		93
10) Caprolactam	11.228	55	16267	0.35	ng/uL	#	45
12) 1,1'-Biphenyl	13.011	154	30135	0.09	ng/uL		95
13) 2-Nitroaniline	13.297	138	1730	0.03	ng/uL	#	16
14) 3-Nitroaniline	14.270	138	817	Below Cal		#	1
15) 4-Nitroaniline	15.727	138	745	Below Cal		#	1
17) N-Nitroso-diphenylamine	15.995	169	4758	0.02	ng/uL	#	53
18) Atrazine	17.546	200	304	Below Cal			95
20) Benzidine	20.005	184	59515	0.76	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.433	252	579	0.01	ng/uL	#	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410025-08.D\data.ms

(10) 1,3-Dichlorobenzene

7.363min (+ 0.000) 0.28 ng/uL

response 41174

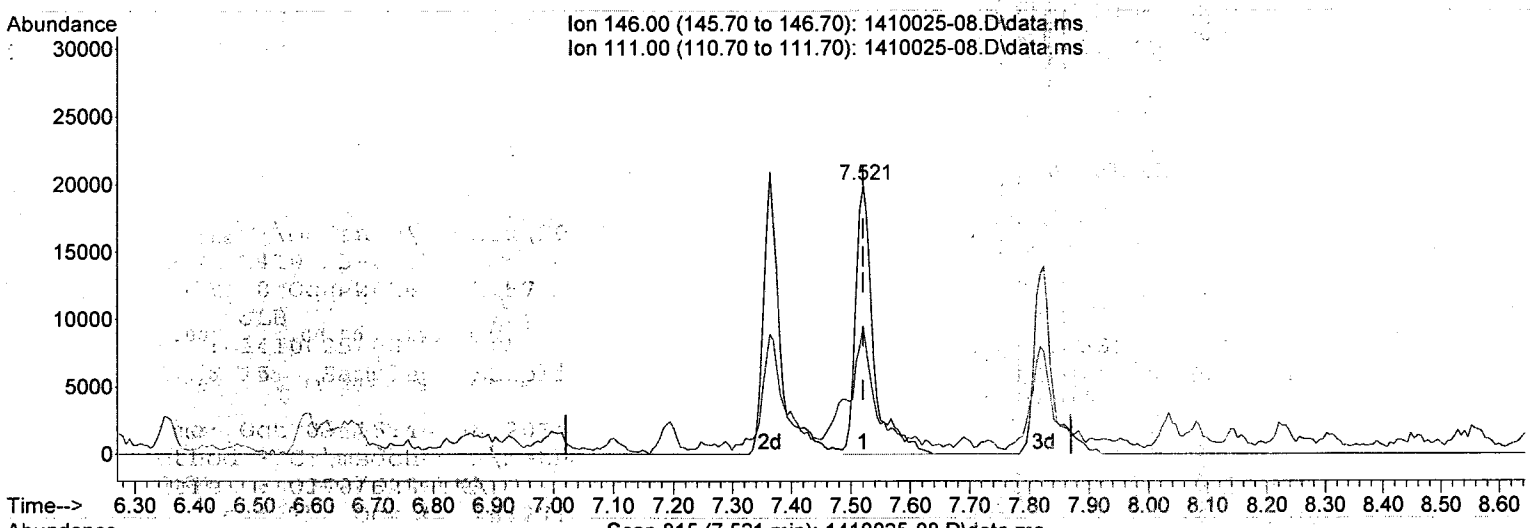
Ion	Exp%	Act%
146.00	100.00	100.00
111.00	41.20	54.96#
0.00	0.00	0.00
0.00	0.00	0.00

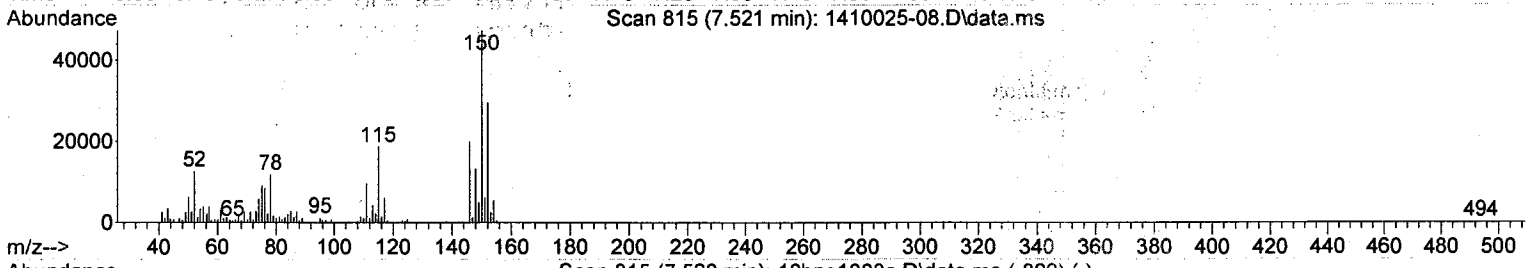
003758

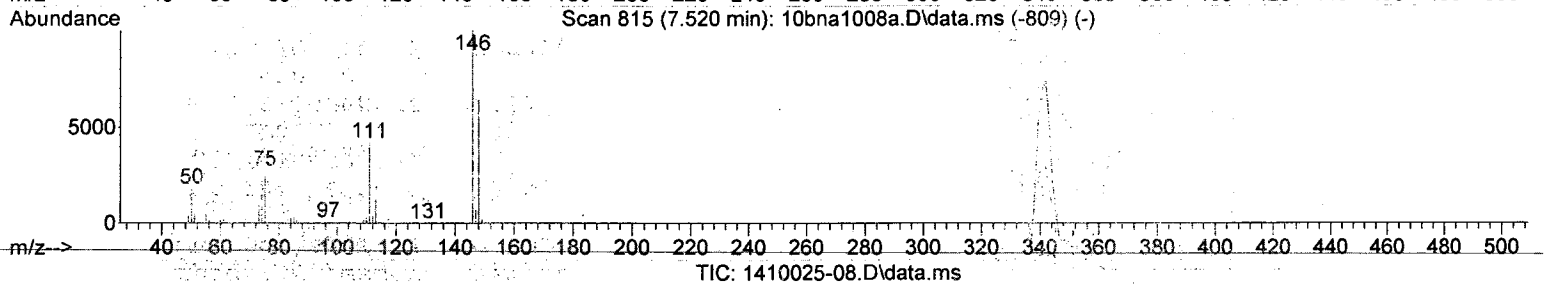
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410025-08.D\data.ms

(11) 1,4-Dichlorobenzene (C)

7.521min (+ 0.000) 0.28 ng/uL

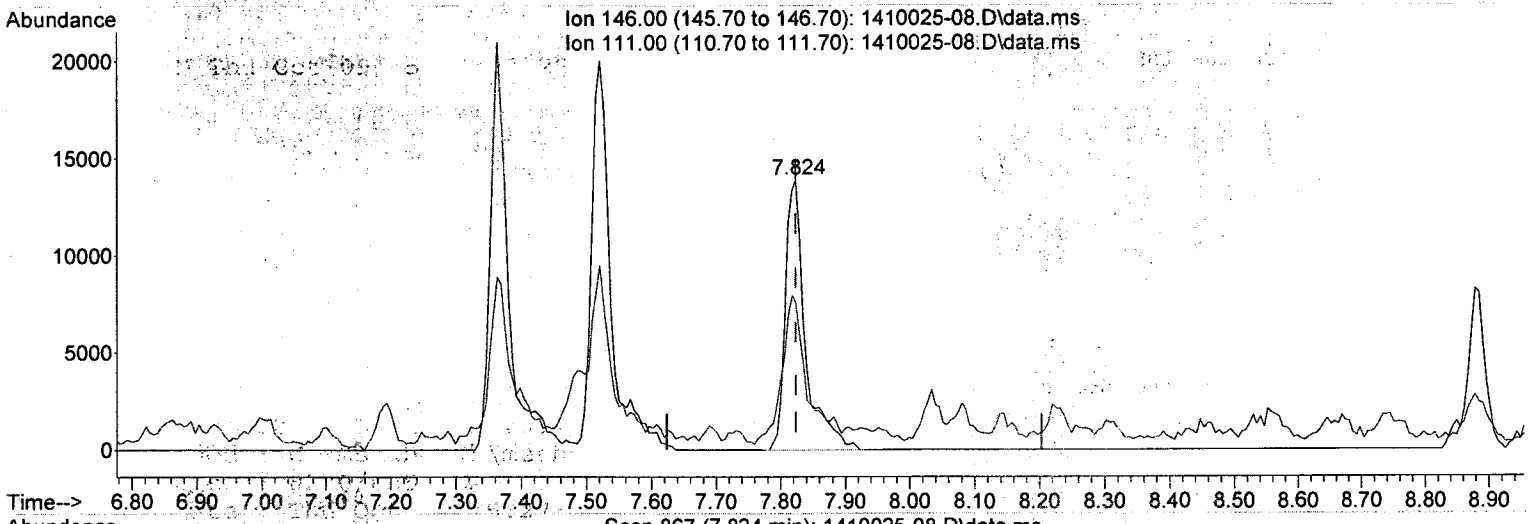
response 41820

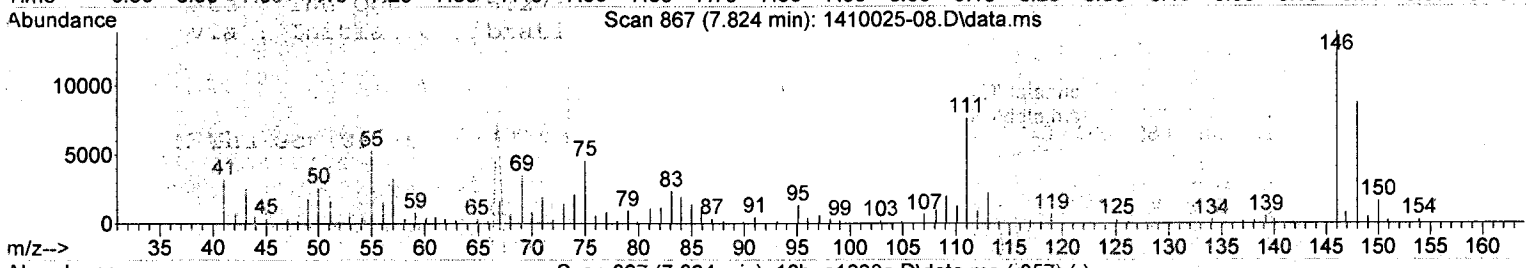
Ion	Exp%	Act%
146.00	100.00	100.00
111.00	39.70	56.30#
0.00	0.00	0.00
0.00	0.00	0.00

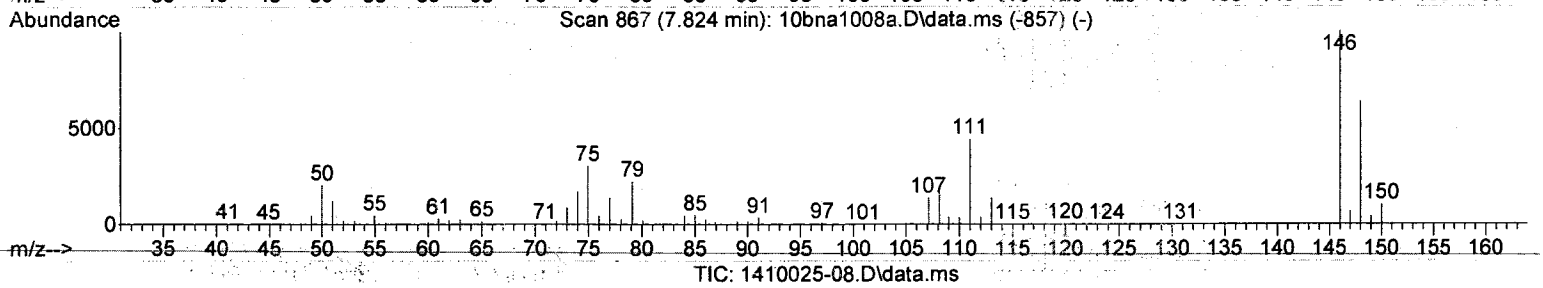
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410025-08.D\data.ms

(12) 1,2-Dichlorobenzene

7.824min (+ 0.000) 0.22 ng/uL

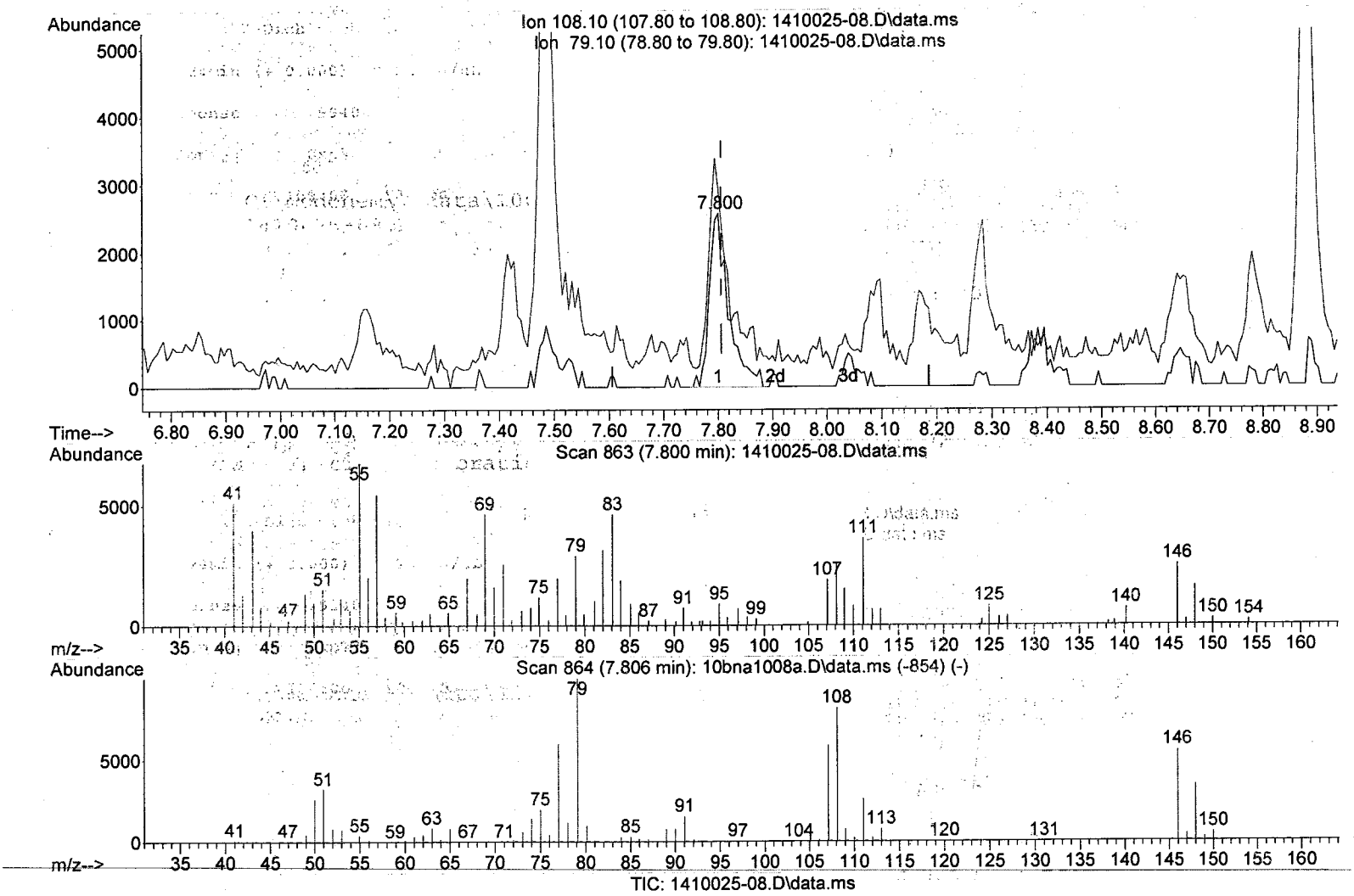
response 29940

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	41.70	68.74#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410025-08.D\data.ms

(14) Benzyl Alcohol

7.800min (-0.006) 0.07 ng/uL

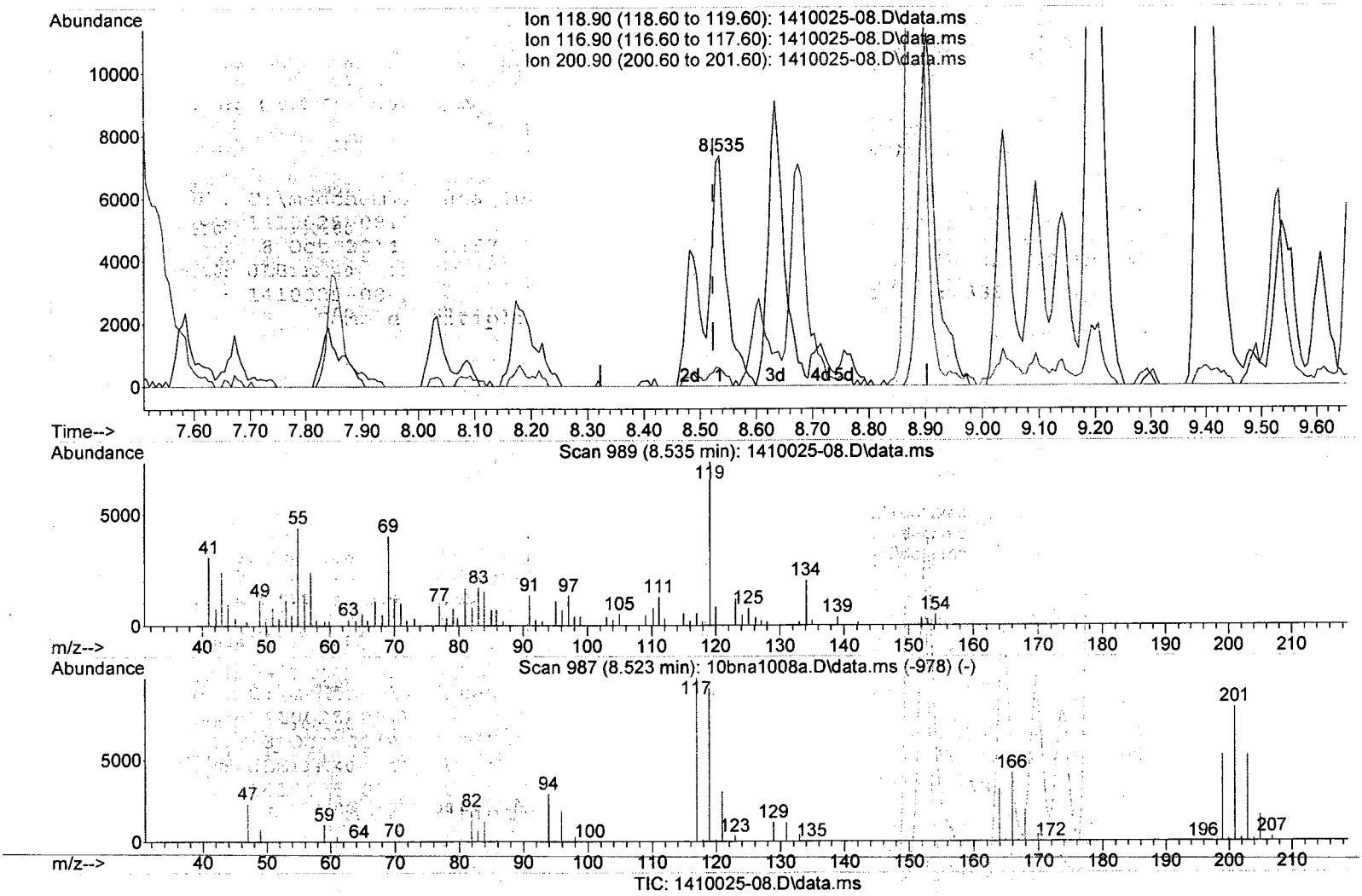
response 6302

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	123.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410025-08.D\data.ms

(17) Hexachloroethane

8.535min (+ 0.012) 0.25 ng/uL

response 13708

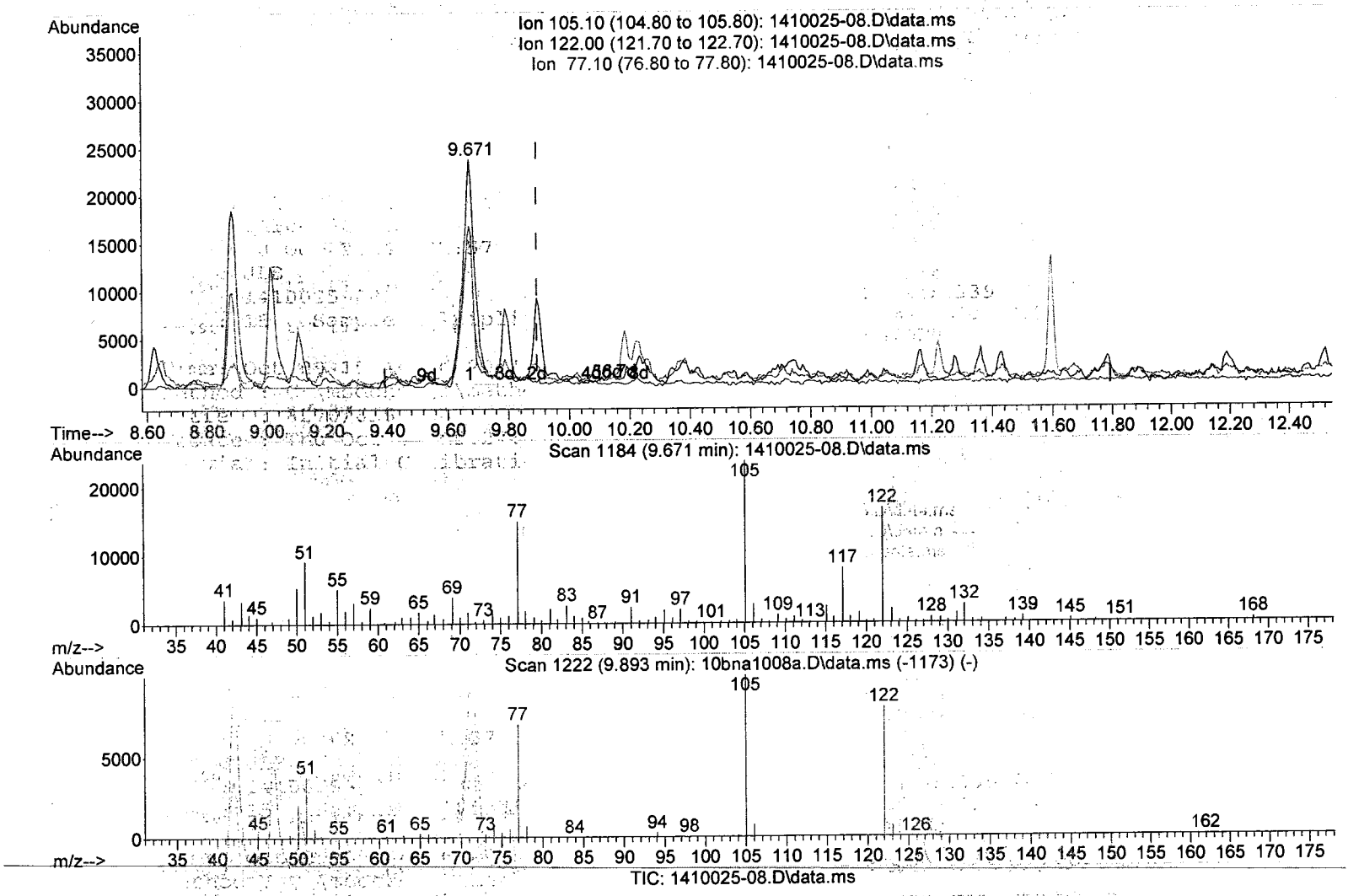
Ion	Exp%	Act%
118.90	100.00	100.00
116.90	100.10	8.62#
200.90	85.90	0.00#
0.00	0.00	0.00

003762

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.671min (-0.221) 3.09 ng/uL

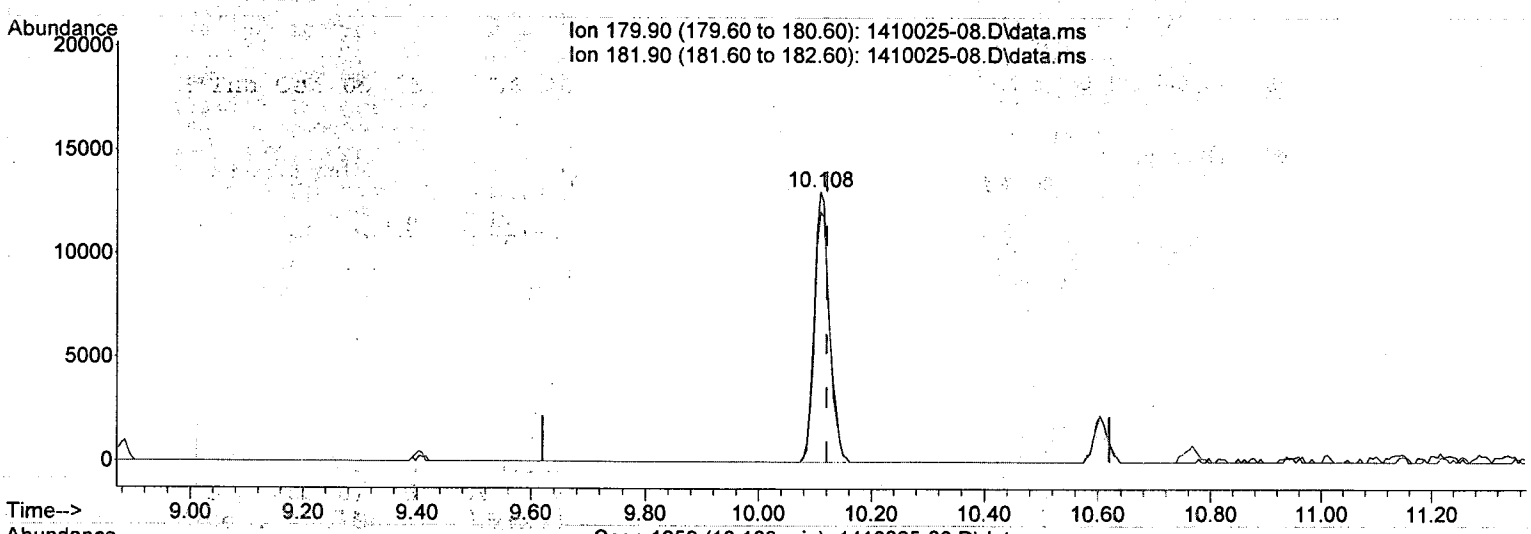
response 68315

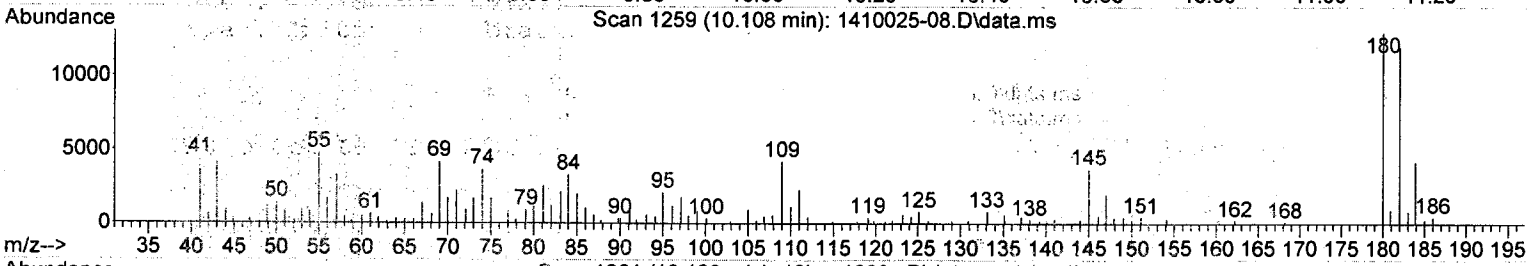
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	74.18
77.10	74.70	63.63
0.00	0.00	0.00

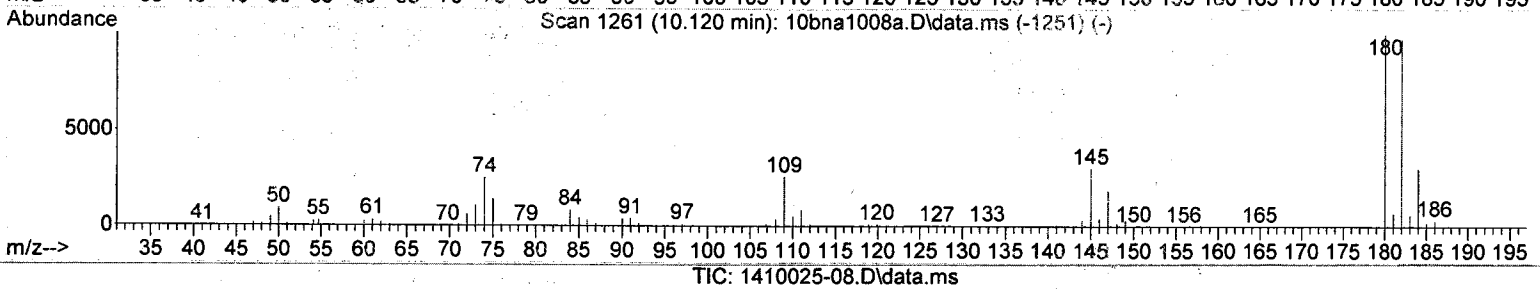
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410025-08.D\data.ms

(31) 1,2,4-Trichlorobenzene

10.108min (-0.012) 0.21 ng/uL

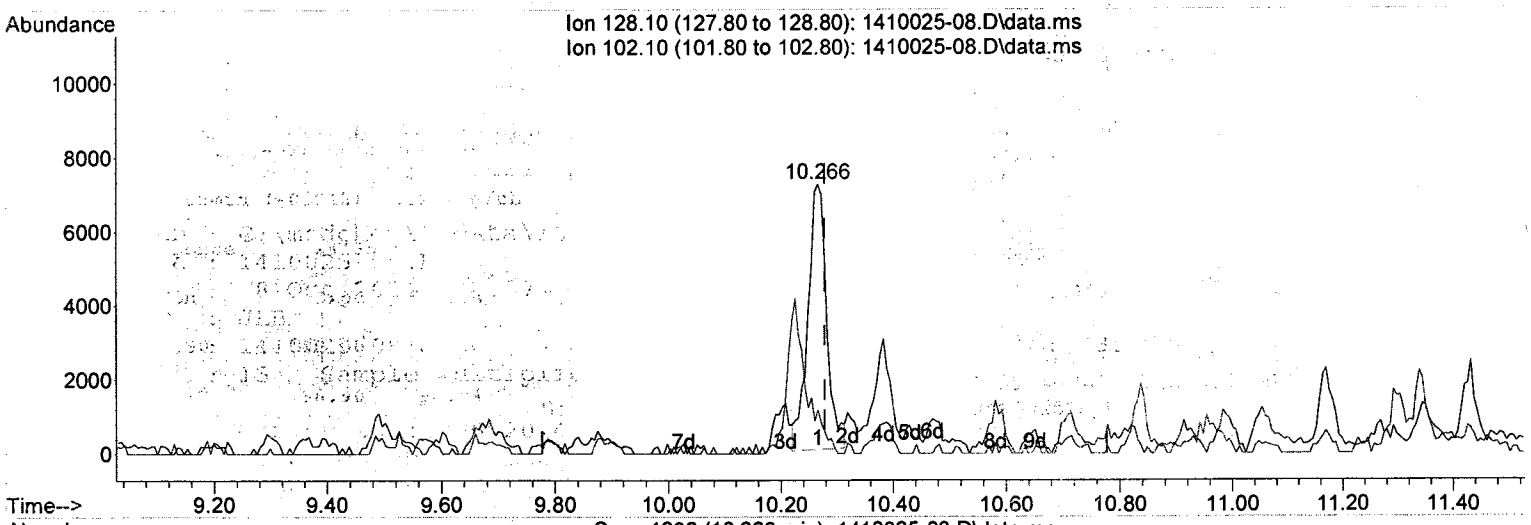
response 24135

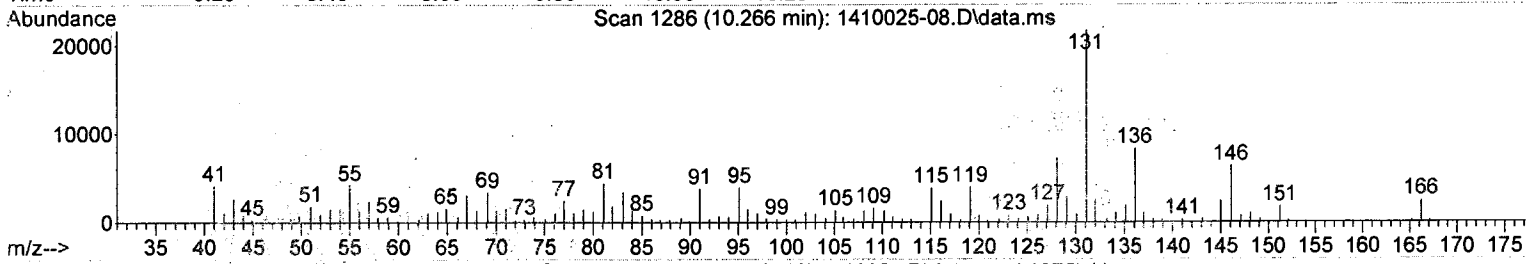
Ion	Exp%	Act%
179.90	100.00	100.00
181.90	96.90	93.04
0.00	0.00	0.00
0.00	0.00	0.00

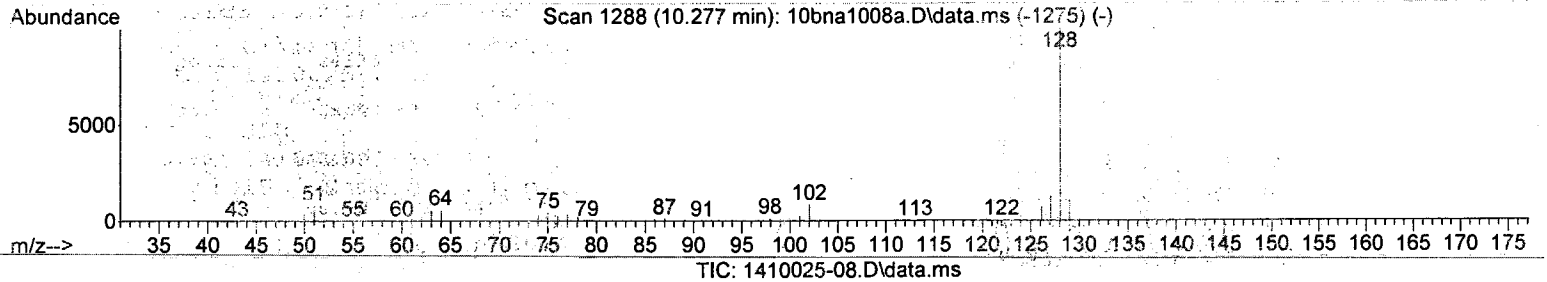
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410025-08.D\data.ms

(32) Naphthalene

10.266min (-0.012) 0.04 ng/uL

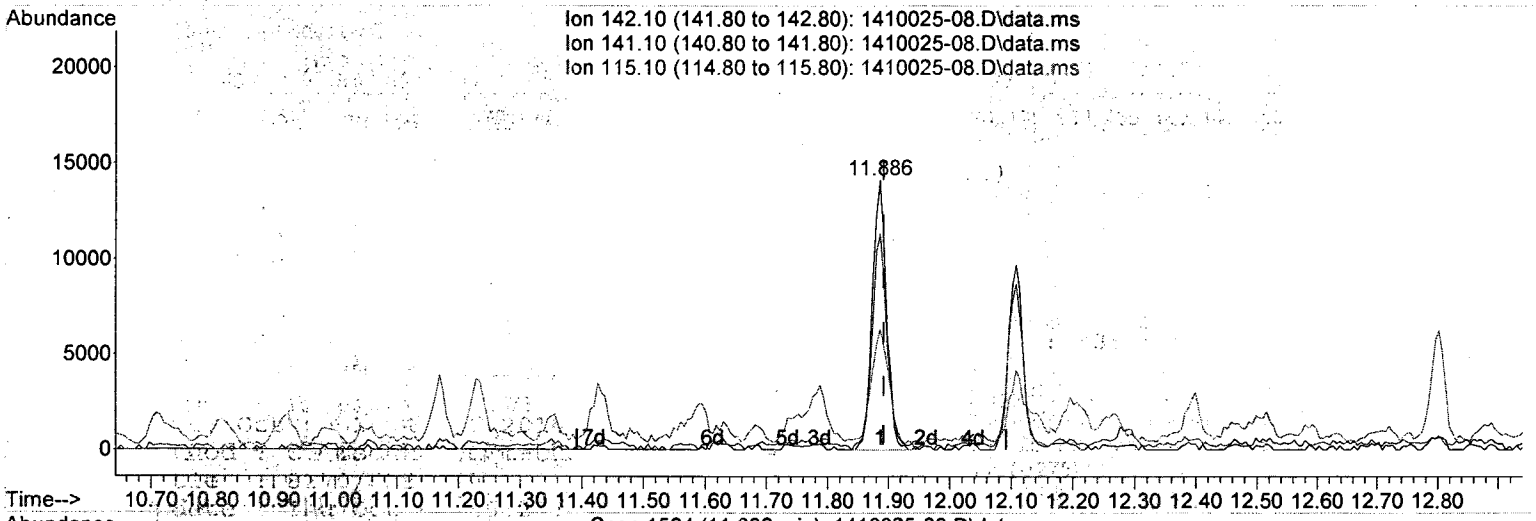
response 16634

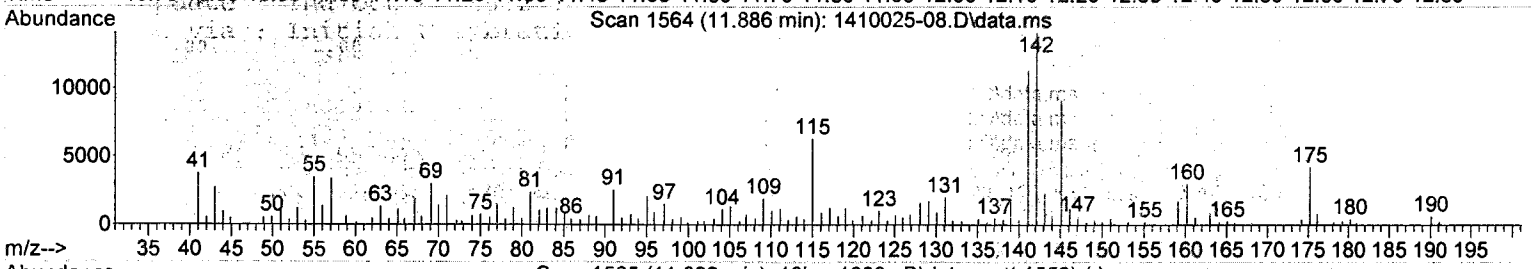
Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

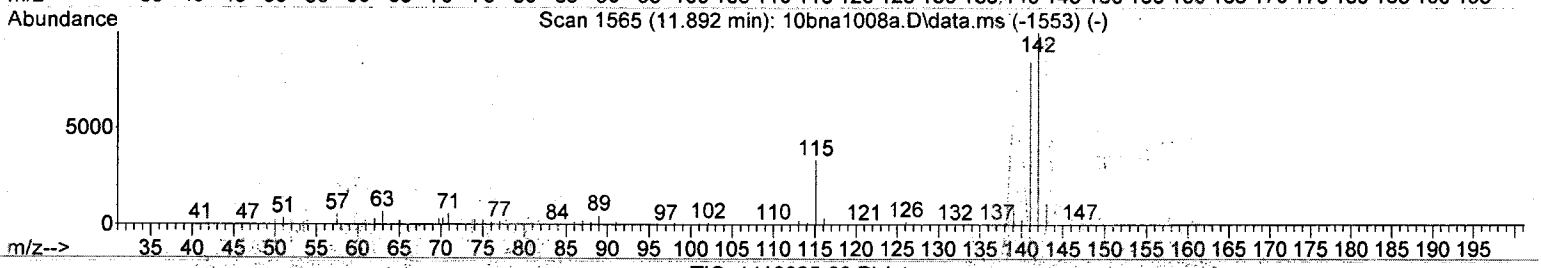
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410025-08.D\data.ms

(39) 2-Methylnaphthalene

11.886min (-0.006) 0.09 ng/uL

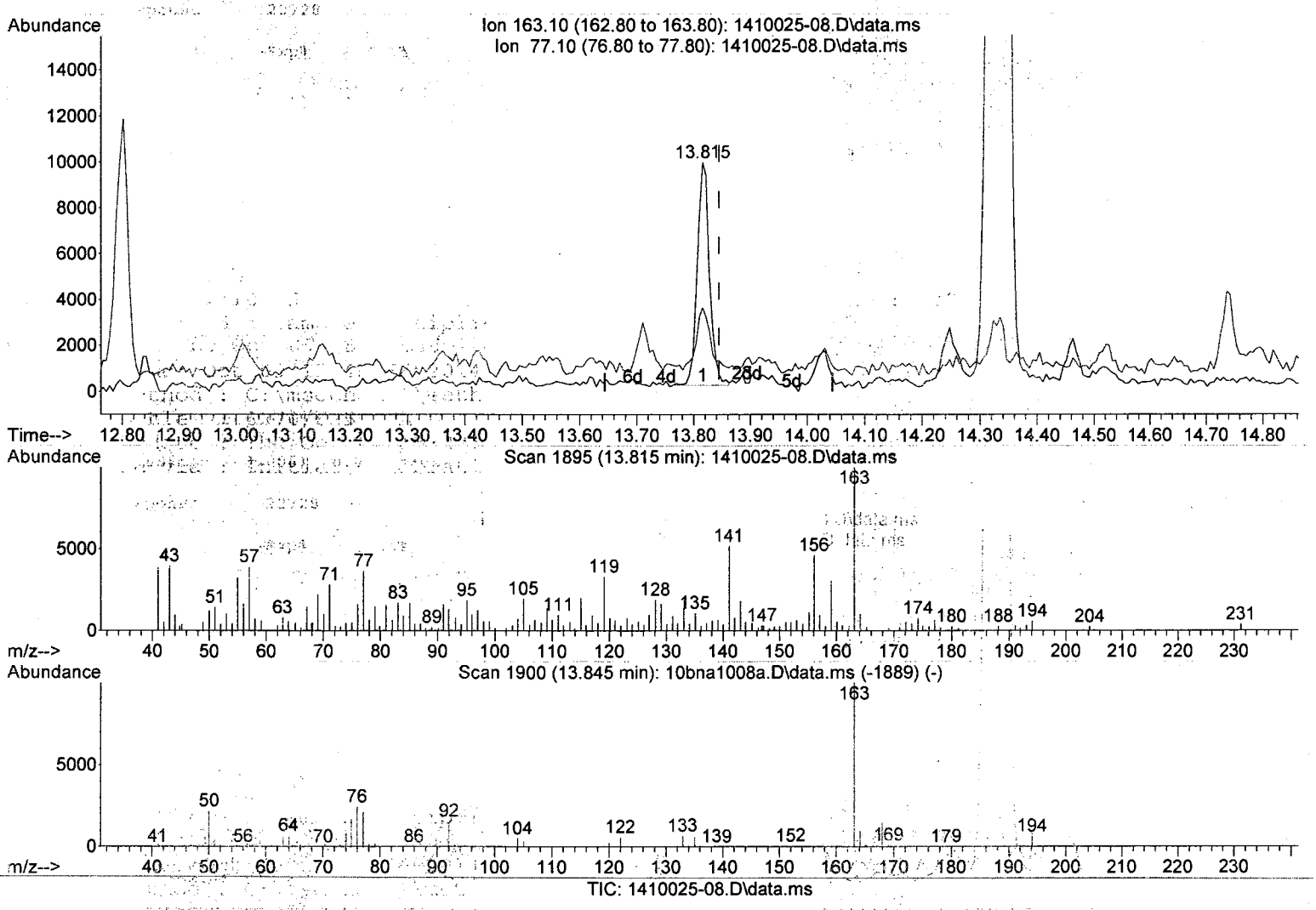
response 22728

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	86.22
115.10	33.50	52.79#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410025-08.D\data.ms

(53) Dimethyl Phthalate

13.815min (-0.029) 0.06 ng/uL

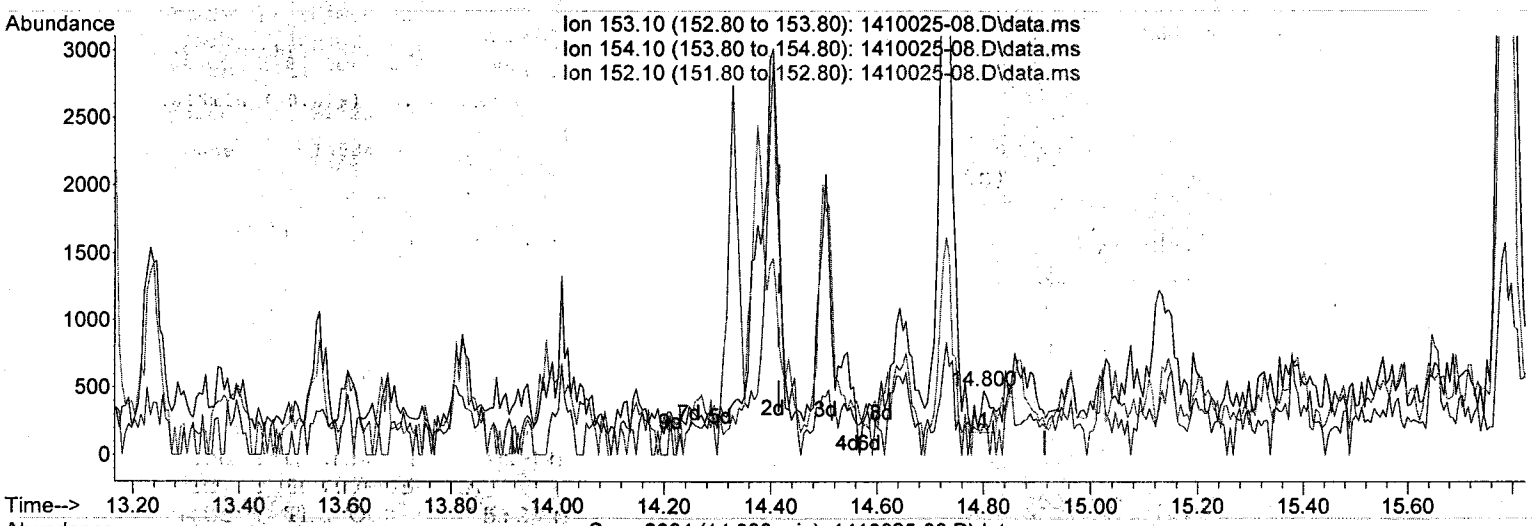
response 14534

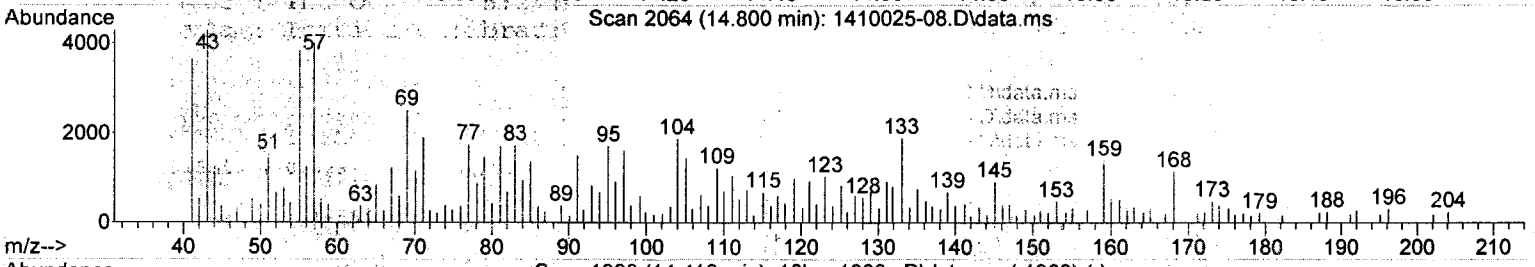
Ion	Exp%	Act%
163.10	100.00	100.00
77.10	22.60	34.77#
0.00	0.00	0.00
0.00	0.00	0.00

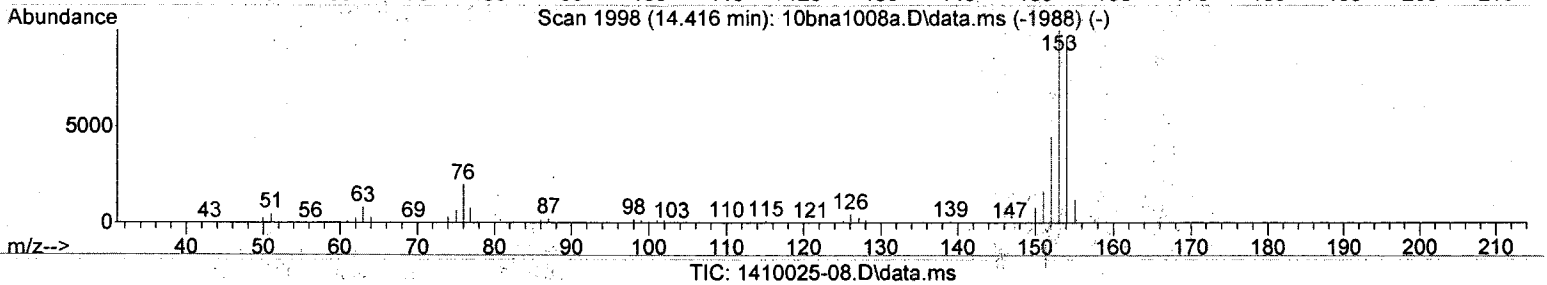
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410025-08.D\data.ms

(55) Acenaphthene (C)

14.800min (+ 0.385) 0.00 ng/uL

response 506

Ion	Exp%	Act%
153.10	100.00	100.00
154.10	93.30	89.53
152.10	46.00	47.43
0.00	0.00	0.00

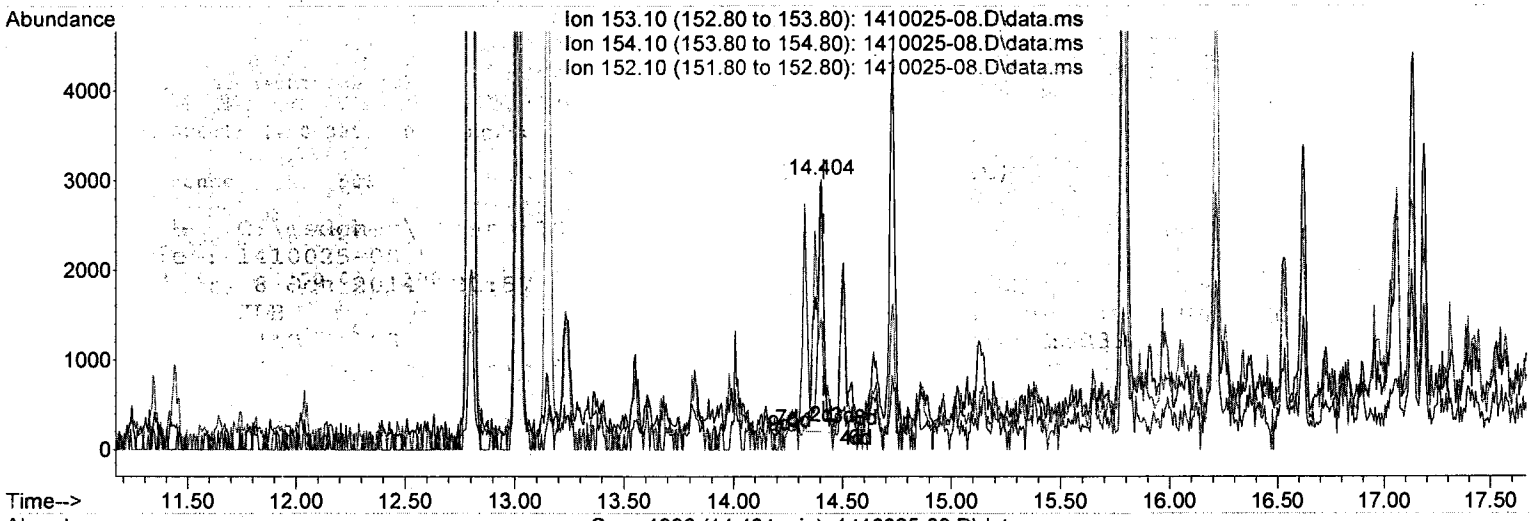
JWS 10/10/14

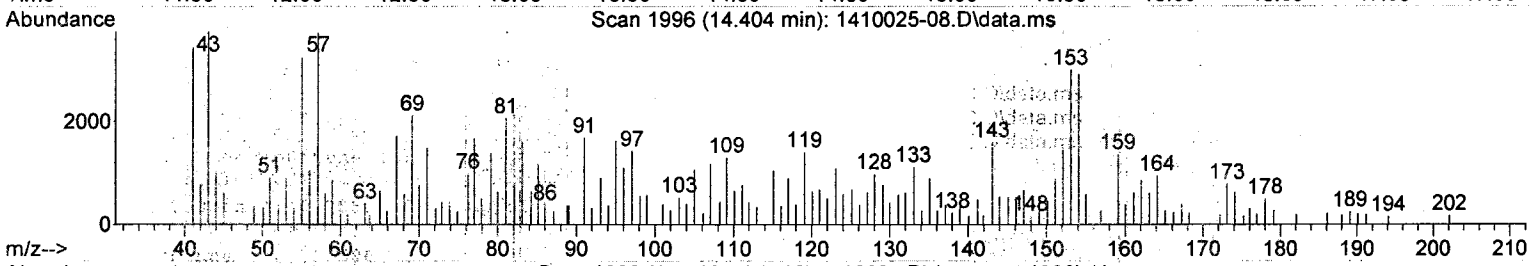
DWS 10-22-14

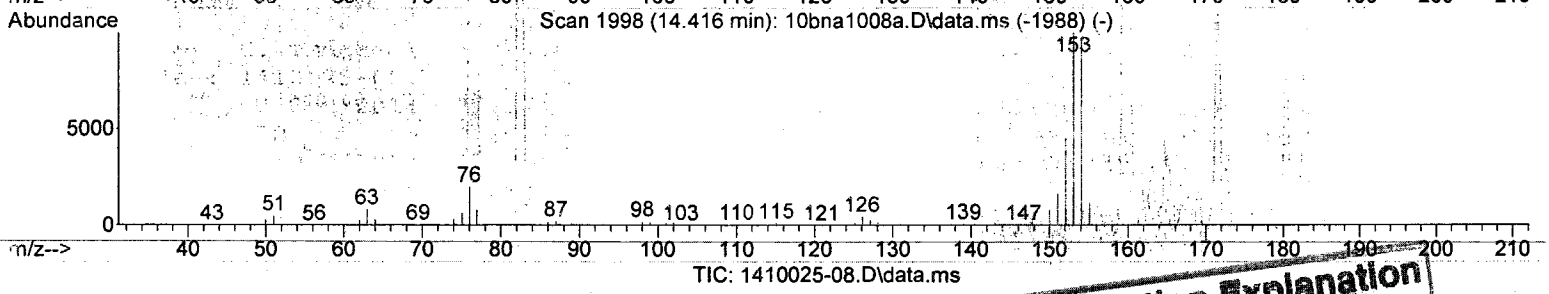
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410025-08.D\data.ms

(55) Acenaphthene (C)

14.404min (-0.012) 0.03 ng/uL m

response 7434

Ion	Exp%	Act%
153.10	100.00	100.00
154.10	93.30	6.09#
152.10	46.00	3.23#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/10/14

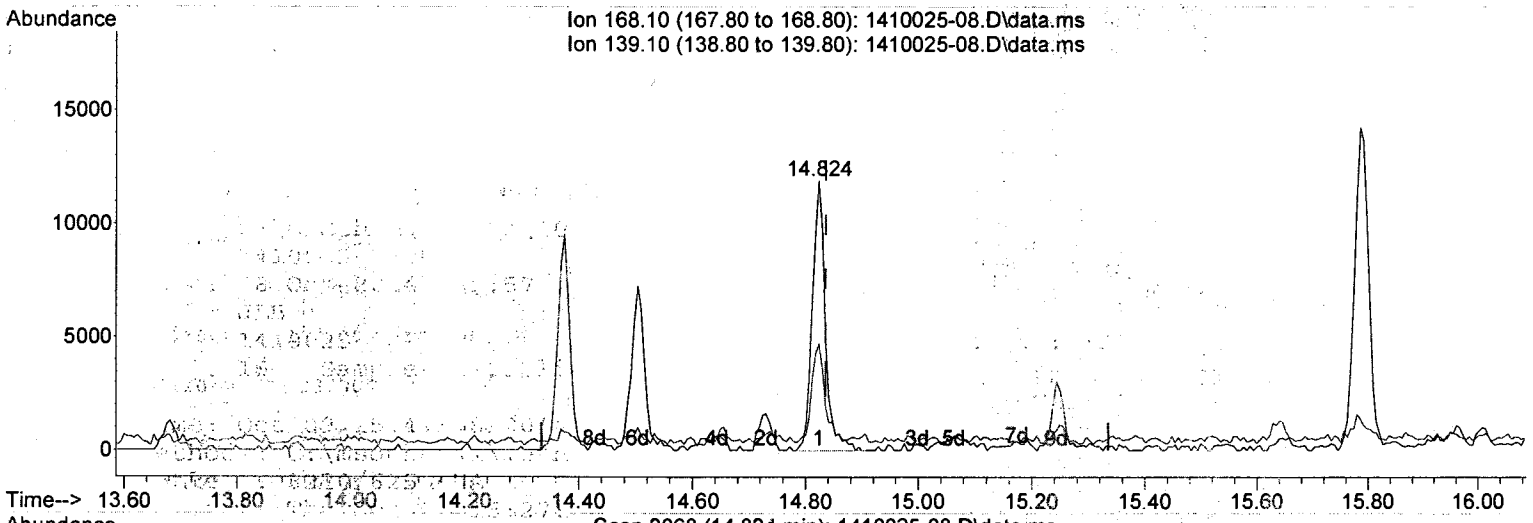
Reviewed By: DW Date: 10-22-14

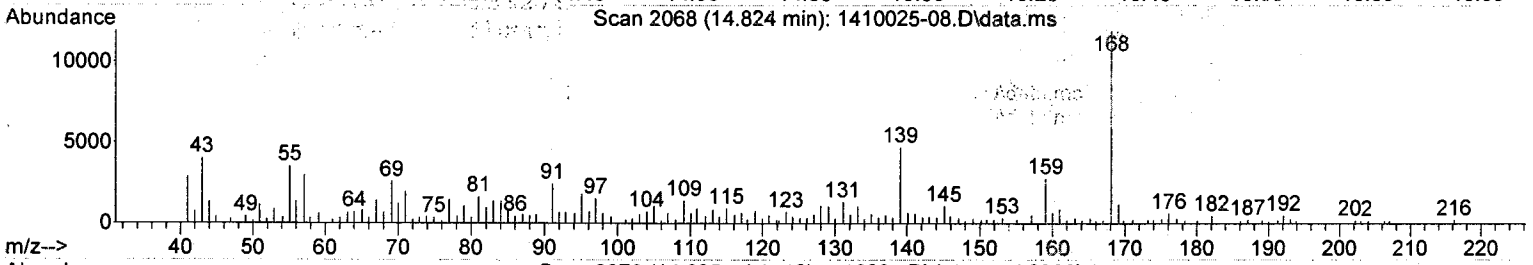
< MDL

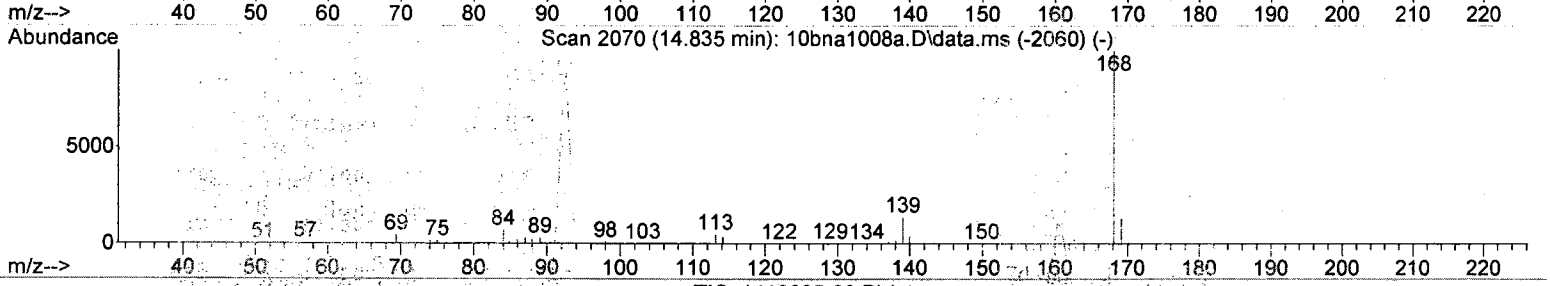
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410025-08.D\data.ms

(57) Dibenzofuran (P)

14.824min (-0.012) 0.06 ng/uL

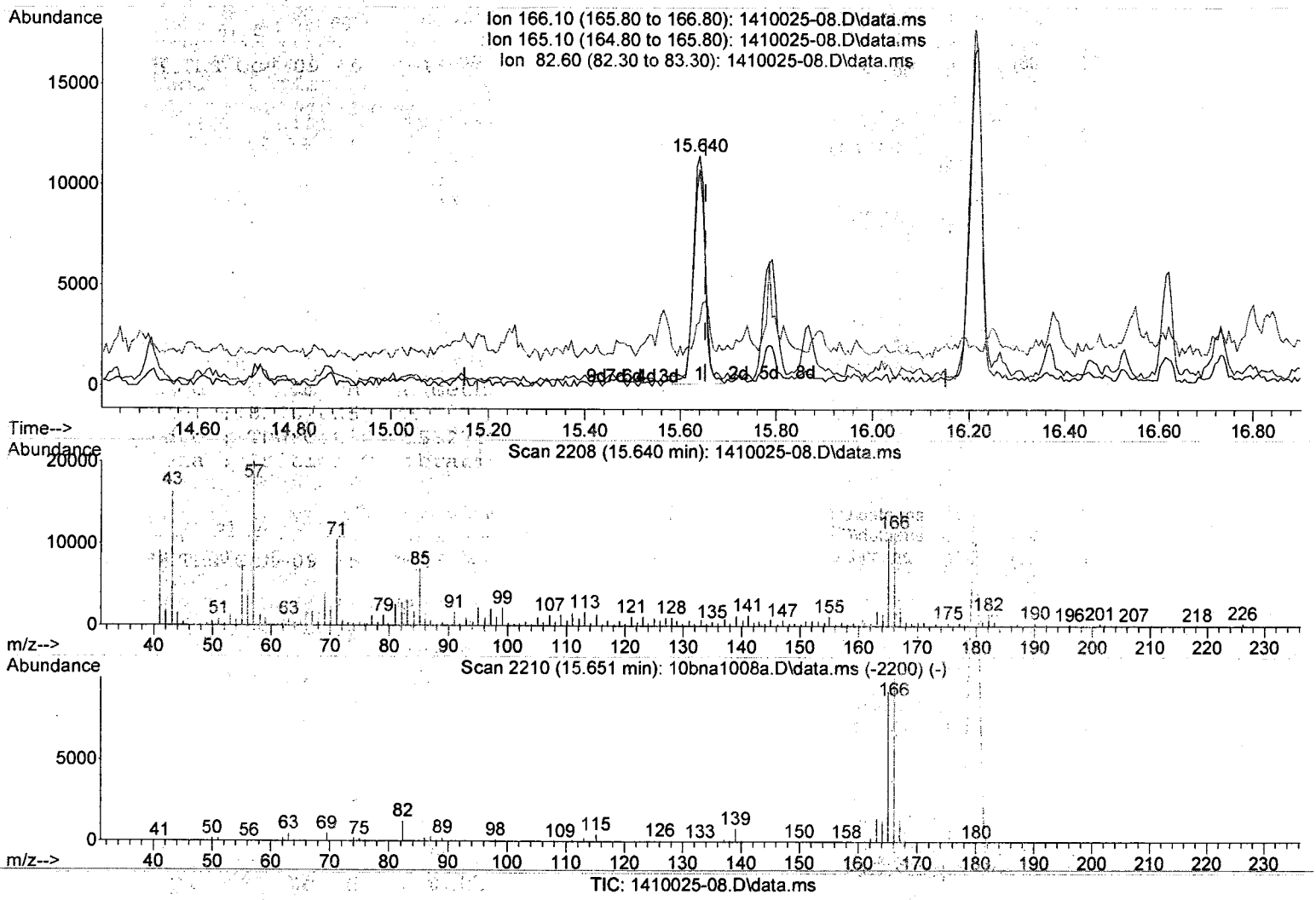
response 18981

Ion	Exp%	Act%
168.10	100.00	100.00
139.10	38.20	37.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410025-08.D\data.ms

(62) Fluorene

15.640min (-0.012) 0.08 ng/uL

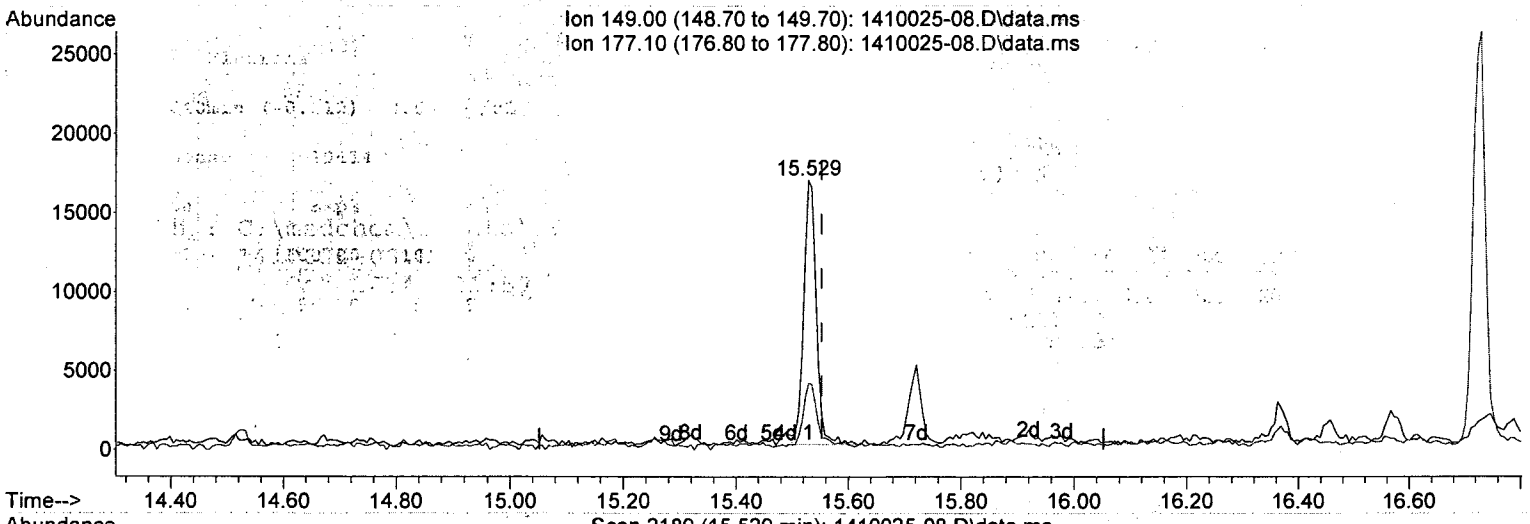
response 19414

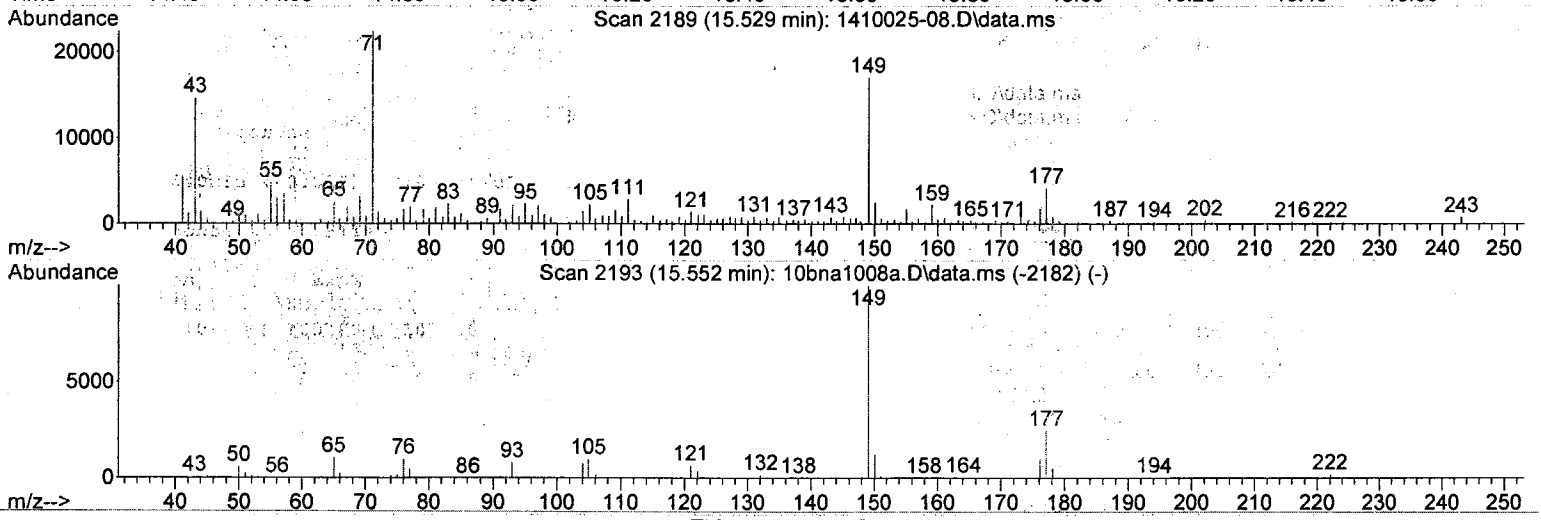
Ion	Exp%	Act%
166.10	100.00	100.00
165.10	94.50	94.08
82.60	15.40	25.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration





TIC: 1410025-08.D\data.ms

(63) Diethyl Phthalate

15.529min (-0.023) 0.12 ng/uL

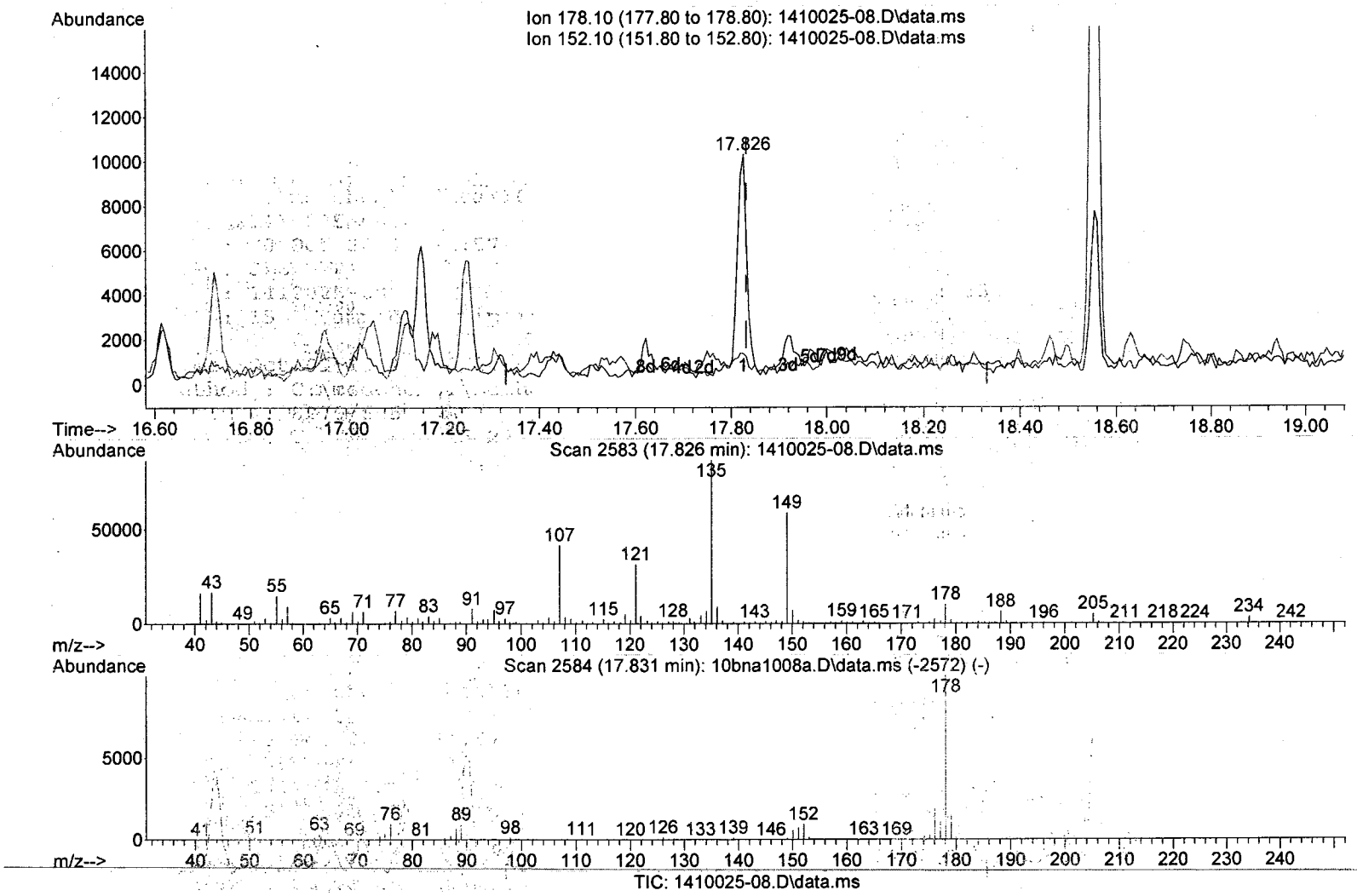
response 26084

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	26.52
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(75) Phenanthrene

17.826min (-0.006) 0.05 ng/uL

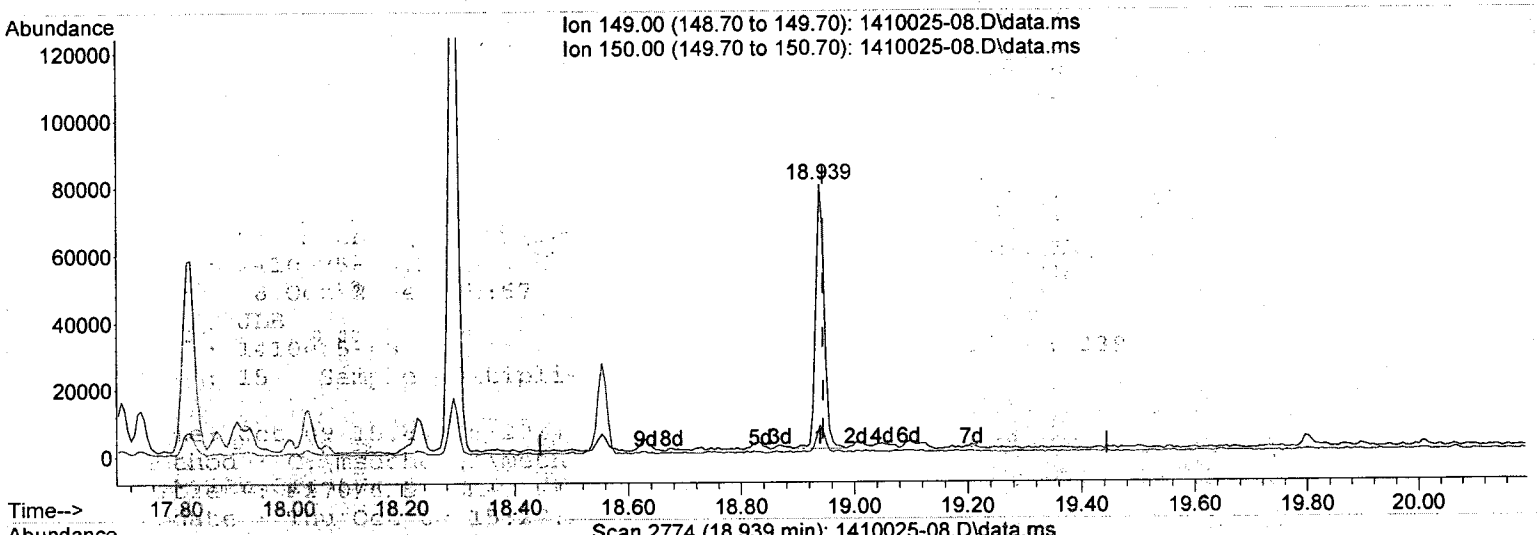
response 14606

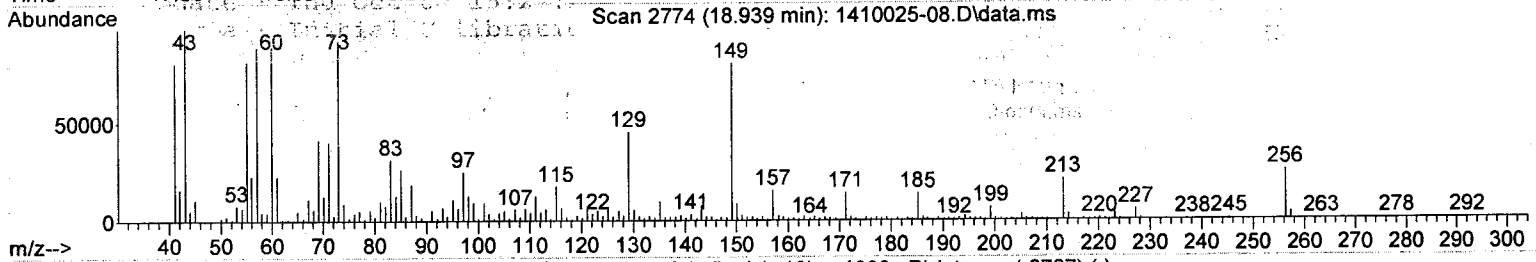
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	9.72
0.00	0.00	0.00
0.00	0.00	0.00

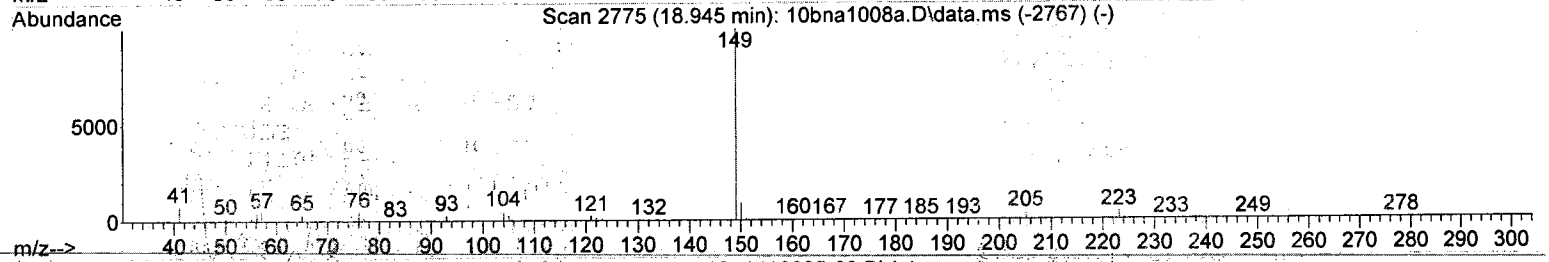
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410025-08.D\data.ms

(79) Di-n-butyl Phthalate

18.939min (-0.006) 0.26 ng/uL

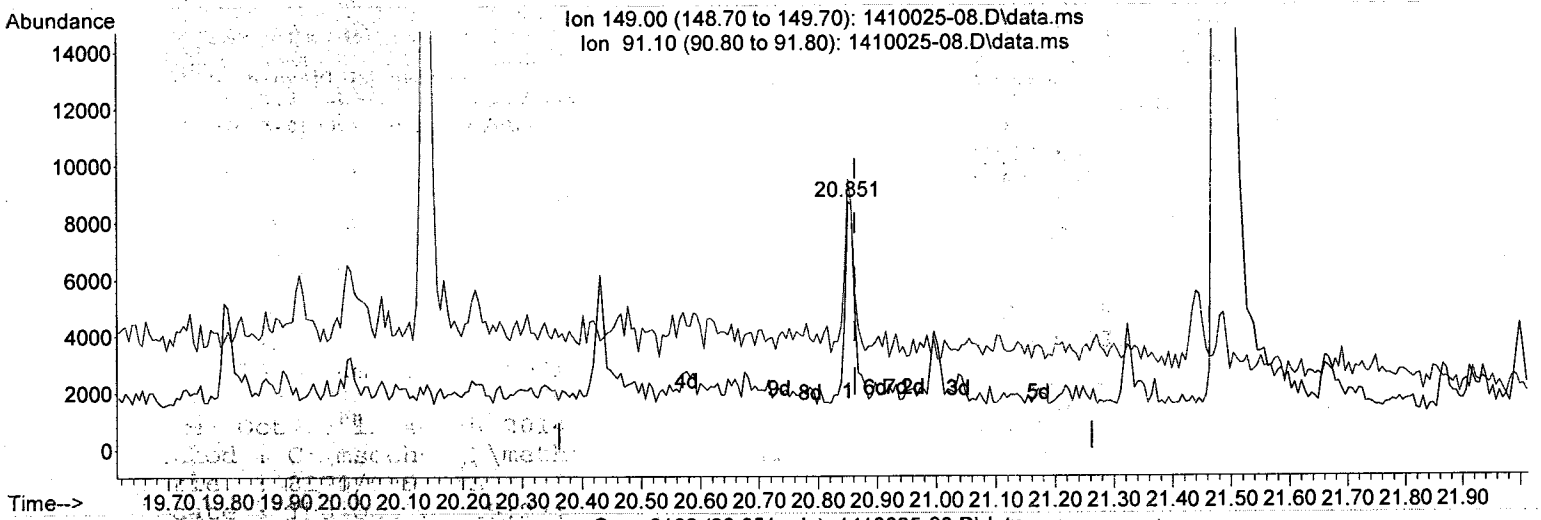
response 82162

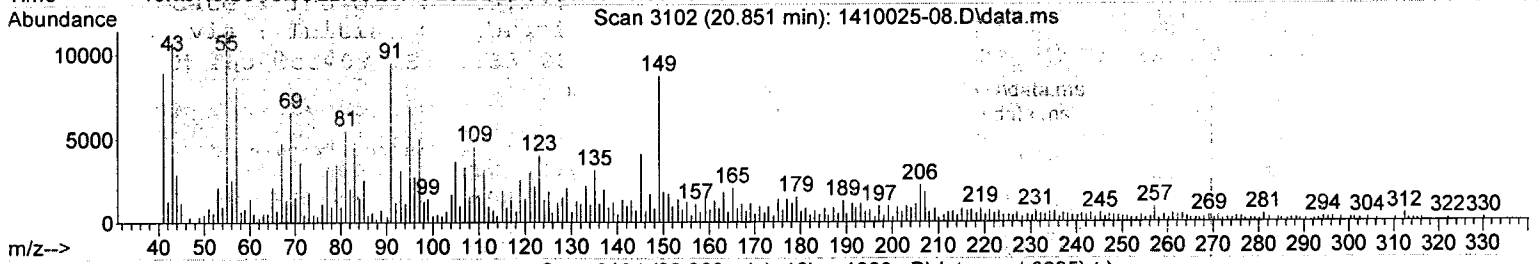
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	10.59
0.00	0.00	0.00
0.00	0.00	0.00

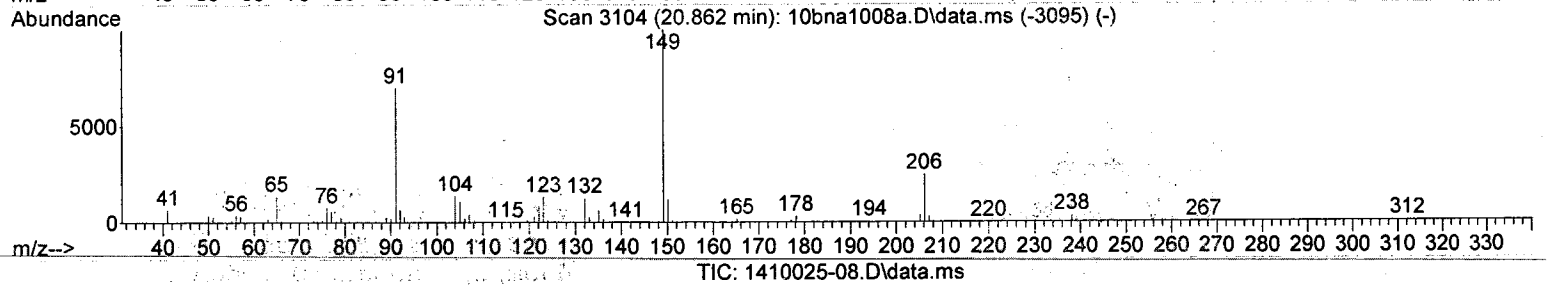
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410025-08.D\data.ms

(83) Butyl Benzyl Phthalate

20.851min (-0.012) 0.08 ng/uL

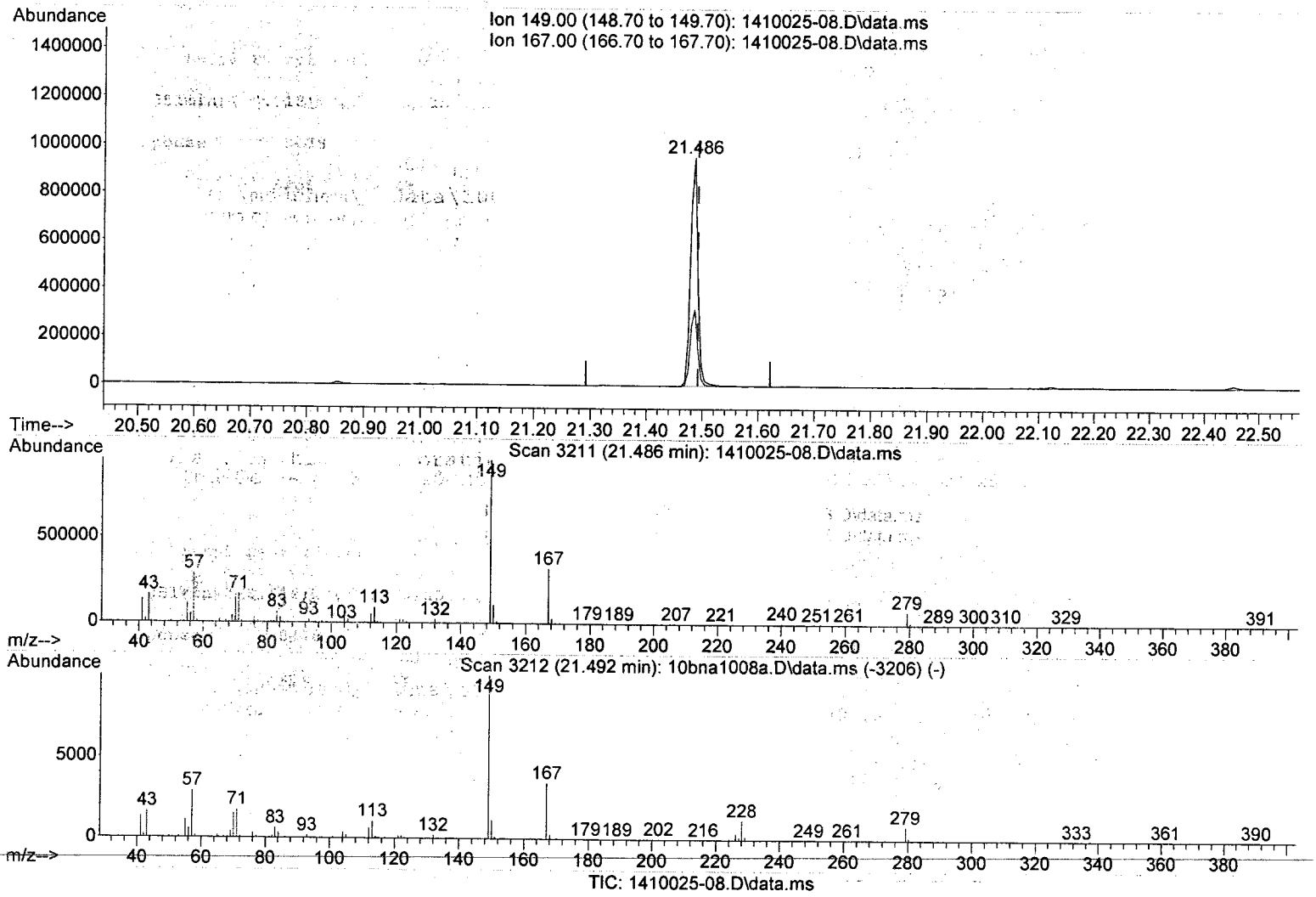
response 8478

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	81.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.486min (-0.006) 6.18 ng/uL

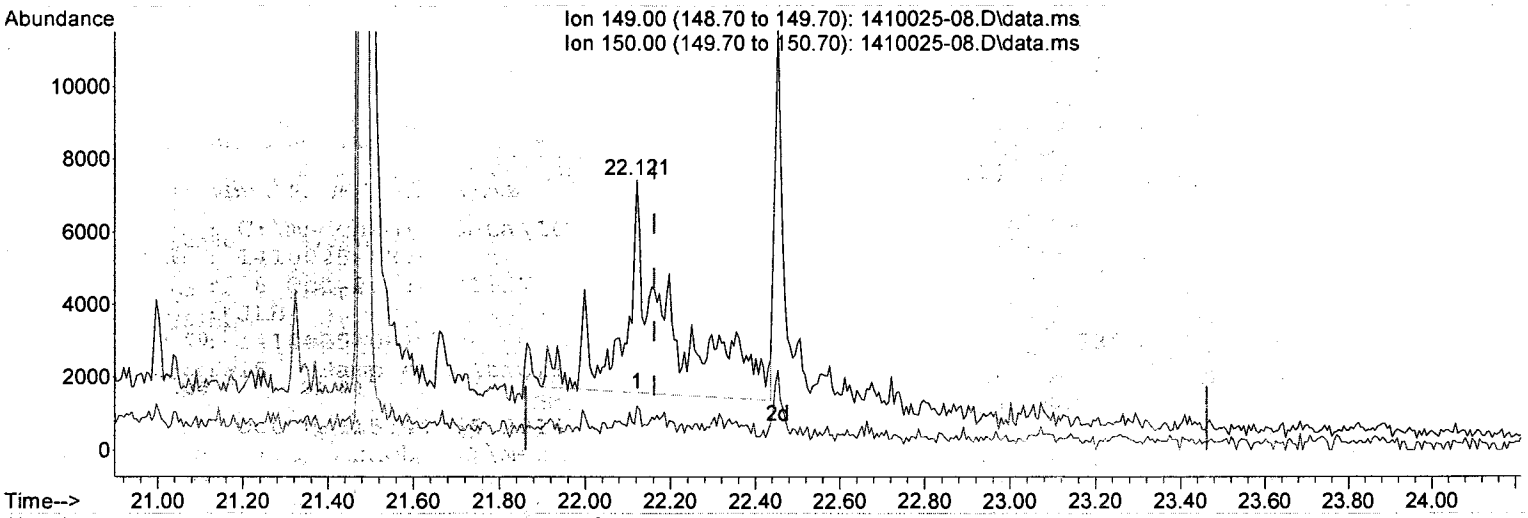
response 870236

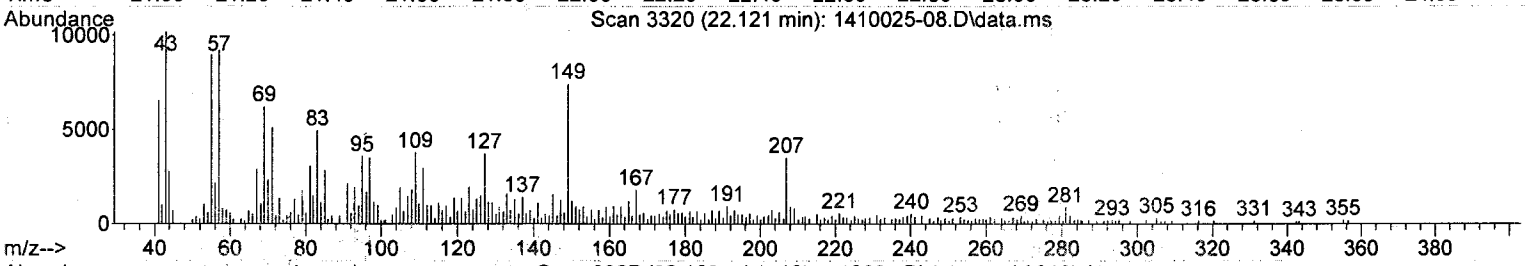
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.61
0.00	0.00	0.00
0.00	0.00	0.00

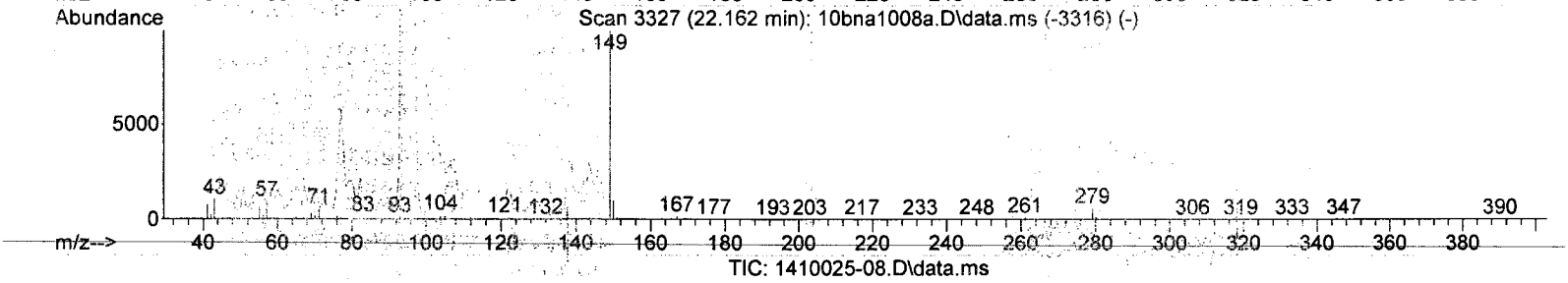
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-08.D
Acq On : 8 Oct 2014 21:57
Operator : JLB
Sample : 1410025-08 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:44:56 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410025-08.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.121min (-0.041) 0.51 ng/uL

response 43736

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.55#
0.00	0.00	0.00
0.00	0.00	0.00

003777

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW13-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1410025-09
File ID: 1410025-09.D
Sampled: 09/30/14 11:15
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 18:43
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 890 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09063
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	0.11	0.037	0.11	0.56	U
208-96-8	Acenaphthylene	1	0.056	0.019	0.056	0.56	U
120-12-7	Anthracene	1	0.22	0.069	0.22	0.56	U
56-55-3	Benzo(a)anthracene	1	0.11	0.051	0.11	0.56	U
50-32-8	Benzo(a)pyrene	1	0.11	0.045	0.11	0.56	U
205-99-2	Benzo(b)fluoranthene	1	0.22	0.065	0.22	0.56	U
207-08-9	Benzo(k)fluoranthene	1	0.22	0.067	0.22	0.56	U
191-24-2	Benzo(g,h,i)perylene	1	0.22	0.068	0.22	0.56	U
65-85-0	Benzoic Acid	1	2.8	0.54	2.2	5.6	J
100-51-6	Benzyl Alcohol	1	0.11	0.055	0.11	0.56	U
101-55-3	4-Bromophenyl Phenyl Ether	1	0.11	0.048	0.11	0.56	U
85-68-7	Butyl Benzyl Phthalate	1	0.22	0.063	0.22	1.1	U
86-74-8	Carbazole	1	0.22	0.079	0.22	0.56	U
59-50-7	4-Chloro-3-methylphenol	1	0.28	0.13	0.28	0.56	U
106-47-8	4-Chloroaniline	1	0.28	0.11	0.28	1.1	U
111-91-1	Bis(2-chloroethoxy)methane	1	0.056	0.021	0.056	0.56	U
111-44-4	Bis(2-chloroethyl) Ether	1	0.056	0.027	0.056	0.56	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	0.11	0.029	0.11	0.56	U
91-58-7	2-Chloronaphthalene	1	0.056	0.019	0.056	0.56	U
95-57-8	2-Chlorophenol	1	0.11	0.030	0.11	0.56	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	0.11	0.054	0.11	0.56	U
218-01-9	Chrysene	1	0.11	0.051	0.11	0.56	U
53-70-3	Dibenz(a,h)anthracene	1	0.28	0.13	0.28	0.56	U
132-64-9	Dibenzofuran	1	0.11	0.046	0.11	0.56	U
84-74-2	Di-n-butyl Phthalate	1	0.24	0.15	1.1	1.1	J
106-46-7	1,4-Dichlorobenzene	1	0.056	0.022	0.056	0.56	U
95-50-1	1,2-Dichlorobenzene	1	0.11	0.044	0.11	0.56	U
541-73-1	1,3-Dichlorobenzene	1	0.11	0.046	0.11	0.56	U
91-94-1	3,3´-Dichlorobenzidine	1	0.56	0.14	0.56	1.1	U
120-83-2	2,4-Dichlorophenol	1	0.22	0.10	0.22	0.56	U
84-66-2	Diethyl Phthalate	1	0.12	0.073	0.28	0.56	J
105-67-9	2,4-Dimethylphenol	1	0.56	0.19	0.56	1.1	U
131-11-3	Dimethyl Phthalate	1	0.056	0.051	0.11	0.56	J
534-52-1	4,6-Dinitro-2-methylphenol	1	4.5	1.1	4.5	5.6	U
51-28-5	2,4-Dinitrophenol	1	5.6	1.3	5.6	5.6	U
606-20-2	2,6-Dinitrotoluene	1	0.22	0.090	0.22	0.56	U
121-14-2	2,4-Dinitrotoluene	1	0.11	0.053	0.11	0.56	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW13-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410025-09 File ID: 1410025-09.D

Sampled: 09/30/14 11:15 Prepared: 10/02/14 07:47 Analyzed: 10/08/14 18:43

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 890 mL / 1 mL

QC Batch: 1410565 Sequence: 4J09063 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	0.22	0.086	0.22	0.56	U
122-66-7	1,2-Diphenylhydrazine	1	0.11	0.090	0.11	0.56	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	4.6	0.13	0.56	0.56	
206-44-0	Fluoranthene	1	0.22	0.070	0.22	0.56	U
86-73-7	Fluorene	1	0.11	0.046	0.11	0.56	U
118-74-1	Hexachlorobenzene	1	0.22	0.070	0.22	0.56	U
87-68-3	Hexachlorobutadiene	1	0.11	0.044	0.11	0.56	U
67-72-1	Hexachloroethane	1	0.11	0.047	0.11	0.56	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.28	0.090	0.28	0.56	U
78-59-1	Isophorone	1	0.11	0.051	0.11	0.56	U
91-57-6	2-Methylnaphthalene	1	0.056	0.017	0.056	0.56	U
108-39-4	3+4-Methylphenol	1	0.22	0.064	0.22	5.6	U
95-48-7	2-Methylphenol	1	0.22	0.053	0.22	0.56	U
91-20-3	Naphthalene	1	0.11	0.034	0.11	0.56	U
100-01-6	4-Nitroaniline	1	1.1	0.37	1.1	1.1	U
88-74-4	2-Nitroaniline	1	0.56	0.13	0.56	0.56	U
99-09-2	3-Nitroaniline	1	0.56	0.27	0.56	1.1	U
98-95-3	Nitrobenzene	1	0.22	0.066	0.22	0.56	U
88-75-5	2-Nitrophenol	1	0.22	0.053	0.22	0.56	U
100-02-7	4-Nitrophenol	1	5.6	1.4	5.6	5.6	U
62-75-9	N-Nitroso-dimethylamine	1	0.11	0.052	0.11	0.56	U
86-30-6	N-Nitroso-diphenylamine	1	0.22	0.076	0.22	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	1	0.22	0.085	0.22	0.56	U
87-86-5	Pentachlorophenol	1	0.56	0.14	0.56	0.56	U
85-01-8	Phenanthrene	1	0.11	0.048	0.11	0.56	U
108-95-2	Phenol	1	0.11	0.038	0.11	0.56	U
129-00-0	Pyrene	1	0.22	0.074	0.22	0.56	U
120-82-1	1,2,4-Trichlorobenzene	1	0.11	0.030	0.11	0.56	U
95-95-4	2,4,5-Trichlorophenol	1	0.28	0.11	0.28	0.56	U
88-06-2	2,4,6-Trichlorophenol	1	0.28	0.096	0.28	0.56	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	22.5	10.7	48	19 - 119	
Phenol-d6	22.5	7.26	32	18 - 45	
Nitrobenzene-d5	11.2	9.08	81	44 - 120	
2-Fluorobiphenyl	11.2	8.83	79	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU13GW13-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1410025-09
File ID: 1410025-09.D
Sampled: 09/30/14 11:15
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 18:43
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 890 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09063
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	22.5	18.2	81	43 - 140	
o-Terphenyl	11.2	9.94	88	42 - 125	

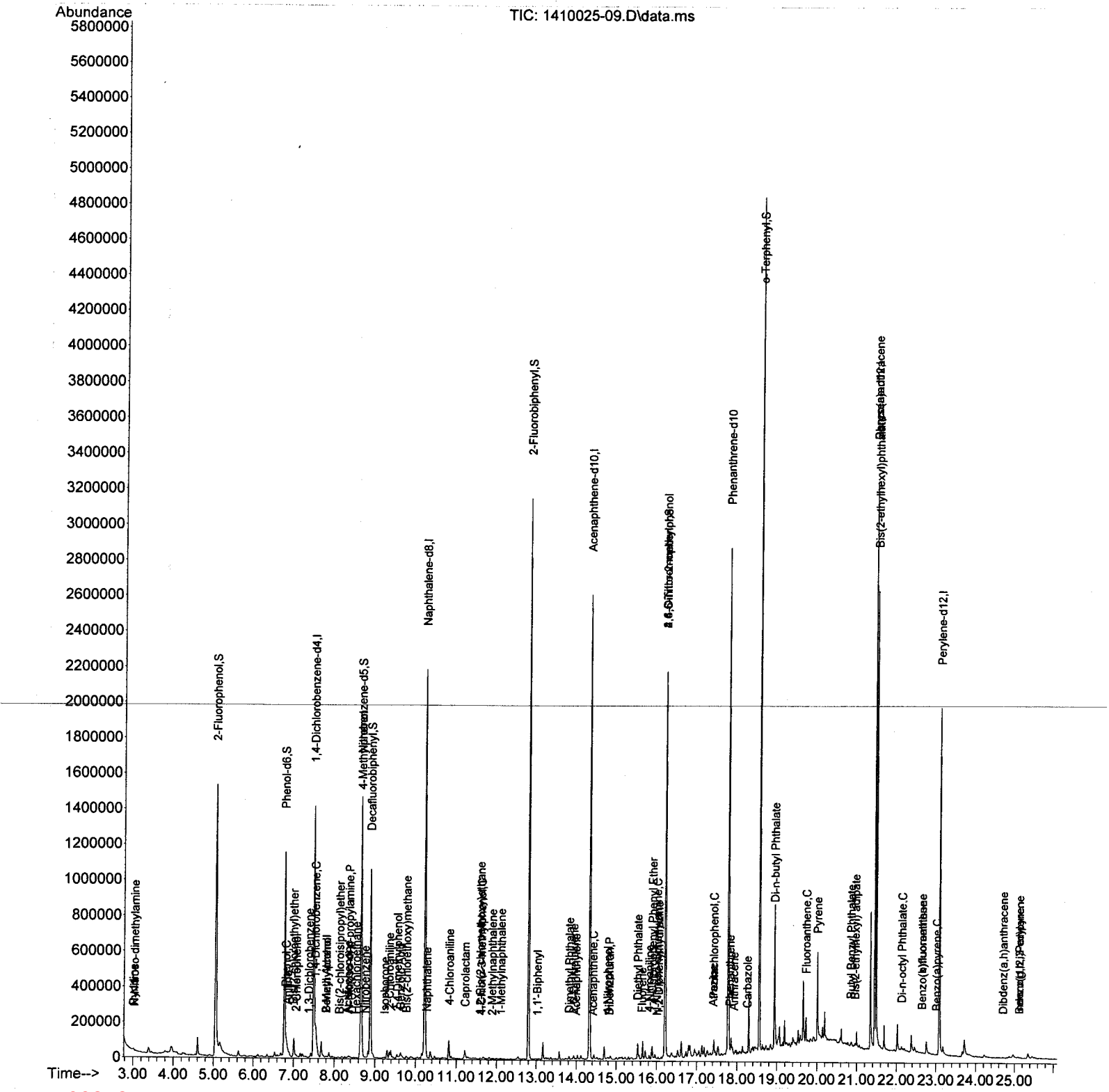
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	491124	7.486	403279	7.614	
Naphthalene-d8	1882744	10.225	1529030	10.359	
Acenaphthene-d10	1067061	14.329	866604	14.474	
Phenanthrene-d10	1649121	17.779	1400442	17.901	
Chrysene-d12	1318782	21.445	1153654	21.538	
Perylene-d12	1113647	23.089	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-09.D
Acq On : 8 Oct 2014 18:43
Operator : JLB
Sample : 1410025-09 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:37:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-09.D
Acq On : 8 Oct 2014 18:43
Operator : JLB
Sample : 1410025-09 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:37:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.486	152	491124	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.225	136	1882744	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.329	164	1067061	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.779	188	1649121	5.00	ng/uL	0.00
81) Chrysene-d12	21.445	240	1318782	5.00	ng/uL	# 0.00
89) Perylene-d12	23.089	264	1113647	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.055	112	1065510	9.50	ng/uL	-0.02
6) Phenol-d6	6.775	99	938825	6.46	ng/uL	-0.02
21) Nitrobenzene-d5	8.651	82	973009	8.08	ng/uL	-0.01
23) Decafluorobiphenyl	8.885	334	492920	5.84	ng/uL	0.00
47) 2-Fluorobiphenyl	12.801	172	1732318	7.86	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.211	330	404192	16.16	ng/uL	-0.01
78) o-Terphenyl	18.554	230	1250726	8.85	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.033	74	140	0.00	ng/uL#	1
3) Pyridine	3.009	79	129	0.00	ng/uL#	14
5) Aniline	6.850	93	1274	0.23	ng/uL#	1
7) Phenol	6.804	94	3682	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.990	93	169	0.00	ng/uL#	21
9) 2-Chlorophenol	7.054	128	321	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.363	146	144	0.00	ng/uL#	38
11) 1,4-Dichlorobenzene	7.515	146	453	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.127	45	125	0.00	ng/uL#	51
14) Benzyl Alcohol	7.795	108	1366	0.02	ng/uL#	73
15) 2-Methylphenol	7.795	108	1366	0.01	ng/uL#	52
16) Acetophenone	8.331	105	4349	0.02	ng/uL#	62
17) Hexachloroethane	8.529	119	2938	~~0.06~~	ng/uL#	3
18) 4-Methylphenol	8.657	108	497	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.360	70	1782	0.02	ng/uL#	20
22) Nitrobenzene	8.751	77	54	0.00	ng/uL#	30
24) Isophorone	9.234	82	3797	0.02	ng/uL#	80
25) 2-Chloroaniline	9.351	127	586	0.00	ng/uL#	3
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.549	107	67	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.776	93	62	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.631	105	4804m	2.50	ng/uL	
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.272	128	8681	0.02	ng/uL#	87
33) 4-Chloroaniline	10.826	127	432	0.00	ng/uL#	1
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.216	55	13190	0.24	ng/uL#	35
37) 1,2-Bis(2-chloroethoxy...	11.589	63	168	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.618	107	502	0.00	ng/uL#	1
39) 2-Methylnaphthalene	11.886	142	2127	0.01	ng/uL	89
40) 1-Methylnaphthalene	12.114	142	1305	0.01	ng/uL	94
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-09.D
Acq On : 8 Oct 2014 18:43
Operator : JLB
Sample : 1410025-09 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:37:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	0.000		0	N.D.	
49) 1,1'-Biphenyl	13.017	154	1463	0.01 ng/uL#	72
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	13.985	152	67	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.926	165	1204	0.02 ng/uL#	31
53) Dimethyl Phthalate	13.816	163	10476	0.05 ng/uL	91
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.416	153	58	0.00 ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.824	168	547	0.00 ng/uL#	82
58) 4-Nitrophenol	14.783	65	912	0.02 ng/uL#	25
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.634	166	658	0.00 ng/uL#	1
63) Diethyl Phthalate	15.529	149	24077	0.11 ng/uL	91
64) 4-Chlorophenyl Phenyl ...	15.891	204	2205	0.02 ng/uL#	26
65) 4-Nitroaniline	15.815	138	231	0.01 ng/uL#	14
67) 4,6-Dinitro-2-methylph...	16.211	198	1300	1.02 ng/uL#	1
68) N-Nitroso-diphenylamine	16.007	169	521	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	16.048	182	110	0.00 ng/uL	96
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.406	200	56	0.00 ng/uL#	25
74) Pentachlorophenol	17.418	266	1171	0.03 ng/uL#	1
75) Phenanthrene	17.820	178	3634	0.01 ng/uL#	88
76) Anthracene	17.919	178	641	0.00 ng/uL#	1
77) Carbazole	18.257	167	625	0.00 ng/uL#	11
79) Di-n-butyl Phthalate	18.939	149	67897	0.21 ng/uL	96
80) Fluoroanthene	19.726	202	2028	0.01 ng/uL#	91
82) Pyrene	20.011	202	2498	0.01 ng/uL#	1
83) Butyl Benzyl Phthalate	20.851	149	4174	0.03 ng/uL	83
84) Bis(2-ethylhexyl) adipate	20.956	129	3785	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.445	228	4262	0.02 ng/uL#	1
86) Chrysene	21.445	228	4262	0.02 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.486	149	640448	4.05 ng/uL	91
88) Di-n-octyl Phthalate	22.127	149	58759	0.54 ng/uL#	75
90) Benzo(b)fluoroanthene	22.646	252	323	0.00 ng/uL#	1
91) Benzo(k)fluoranthene	22.646	252	323	0.00 ng/uL#	1
92) Benzo(a)pyrene	23.013	252	278	0.00 ng/uL#	32
93) Indeno(1,2,3-cd)pyrene	25.123	276	1833	0.01 ng/uL	98
94) Dibdenz(a,h)anthracene	24.703	278	1449	0.01 ng/uL#	82
95) Benzo(g,h,i)Perylene	25.123	276	1833	0.01 ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-09.D
Acq On : 8 Oct 2014 18:43
Operator : JLB
Sample : 1410025-09 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 09:04:25 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration

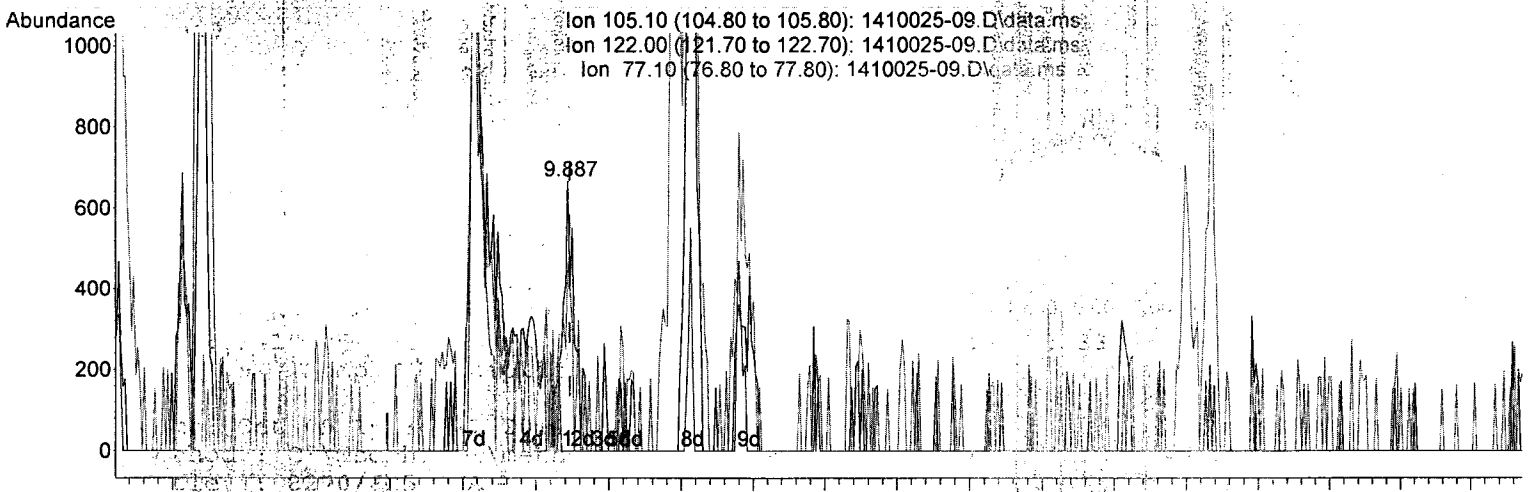
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.486	152	477410	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.225	136	1882744	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.329	164	1066378	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.779	188	1649121	5.00	ng/uL		0.00
19) Chrysene-d12	21.445	240	1318782	5.00	ng/uL	#	0.00
22) Perylene-d12	23.089	264	1113647	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.033	74	140	0.00	ng/uL	#	1
3) Pyridine	3.009	79	129	0.00	ng/uL	#	14
4) Aniline	6.850	93	1274	0.01	ng/uL	#	1
5) Benzaldehyde	6.658	105	5298	0.05	ng/uL	#	69
6) Acetophenone	8.331	105	4349	0.02	ng/uL	#	62
7) N-Nitroso-di-n-propyla...	8.756	70	675	0.01	ng/uL		99
9) 4-Chloroaniline	10.272	127	879	0.02	ng/uL	#	39
10) Caprolactam	11.216	55	7479	0.22	ng/uL	#	45
12) 1,1'-Biphenyl	13.017	154	1463	0.00	ng/uL	#	72
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.722	138	59	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.007	169	521	0.00	ng/uL	#	26
18) Atrazine	0.000		0	N.D.			
20) Benzidine	19.953	184	230	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.340	252	517	0.01	ng/uL	#	34

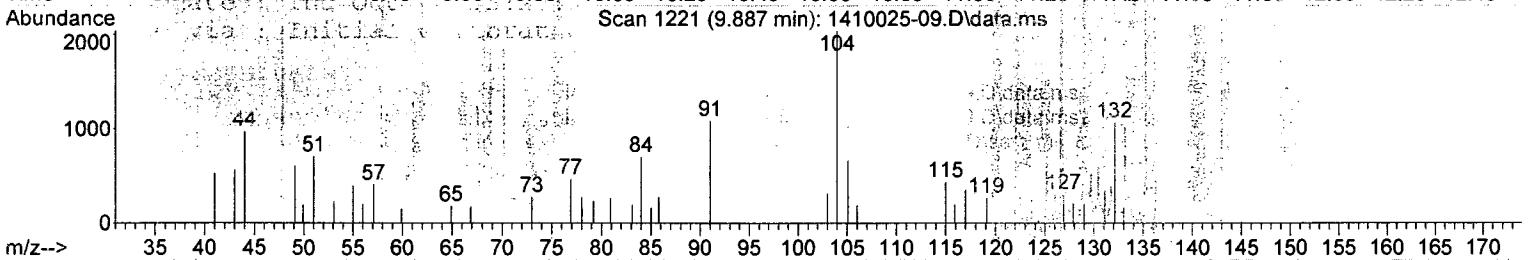
(#) = qualifier out of range (m) = manual integration (+) = signals summed

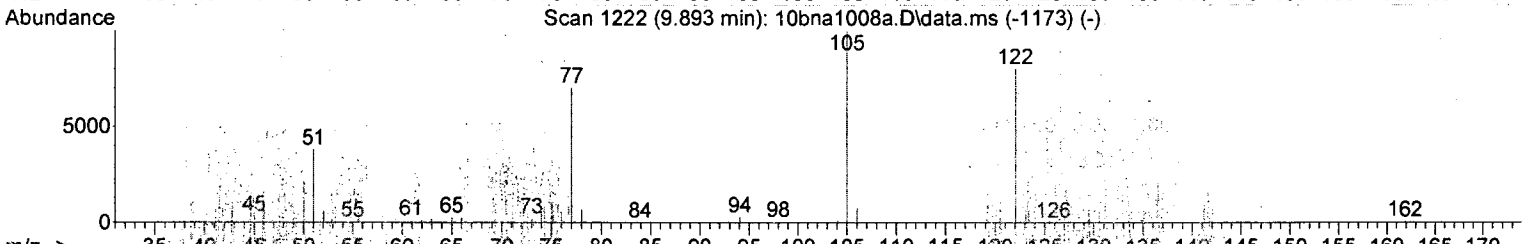
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-09.D
Acq On : 8 Oct 2014 18:43
Operator : JLB
Sample : 1410025-09 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:36:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410025-09.D\data.ms

(30) Benzoic Acid

9.887min (-0.006) 2.47 ng/uL

response 1265

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	69.41
0.00	0.00	0.00

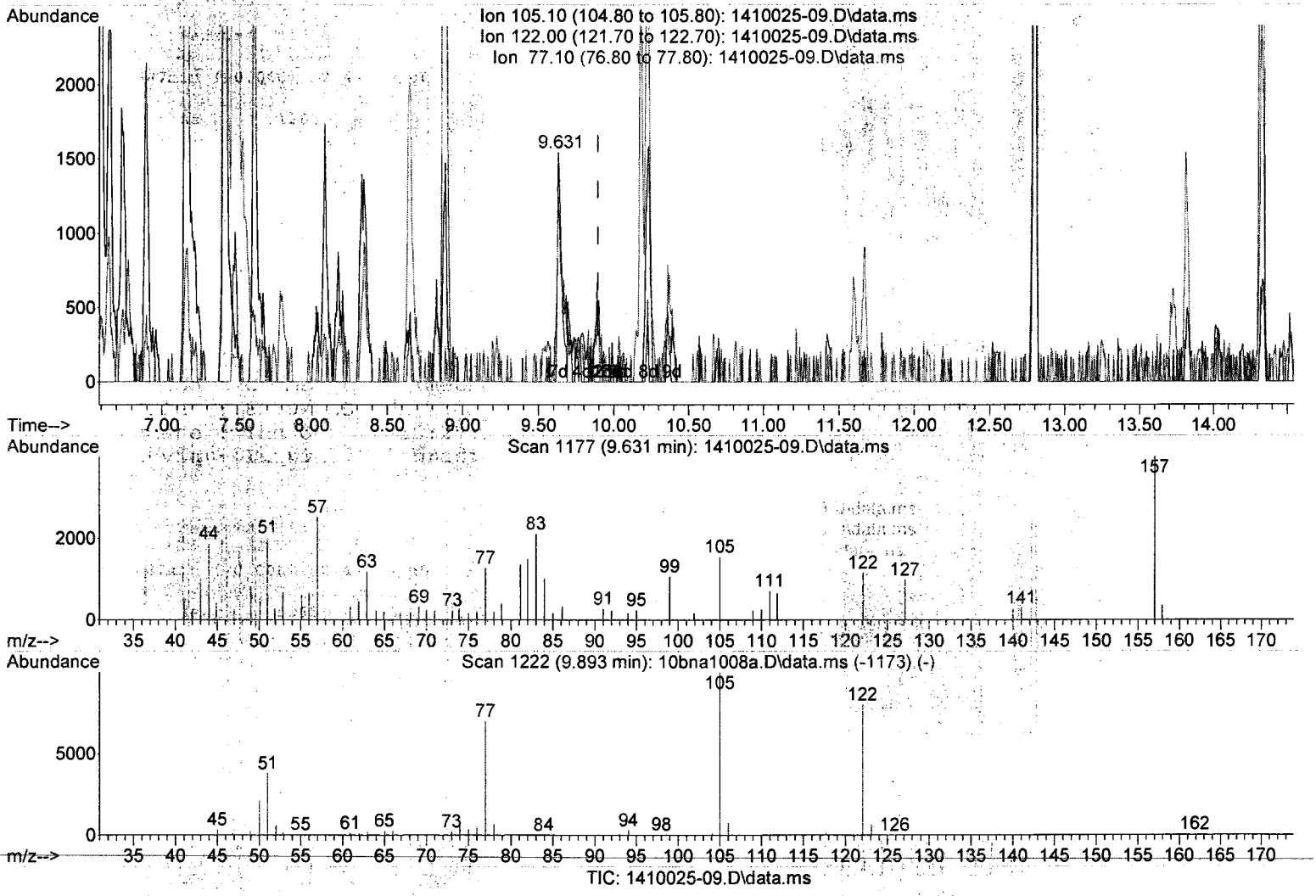
JLB 10/10/14

DWB 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-09.D
Acq On : 8 Oct 2014 18:43
Operator : JLB
Sample : 1410025-09 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:36:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.631min (-0.262) 2.50 ng/uL m

response 4804

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	18.28#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

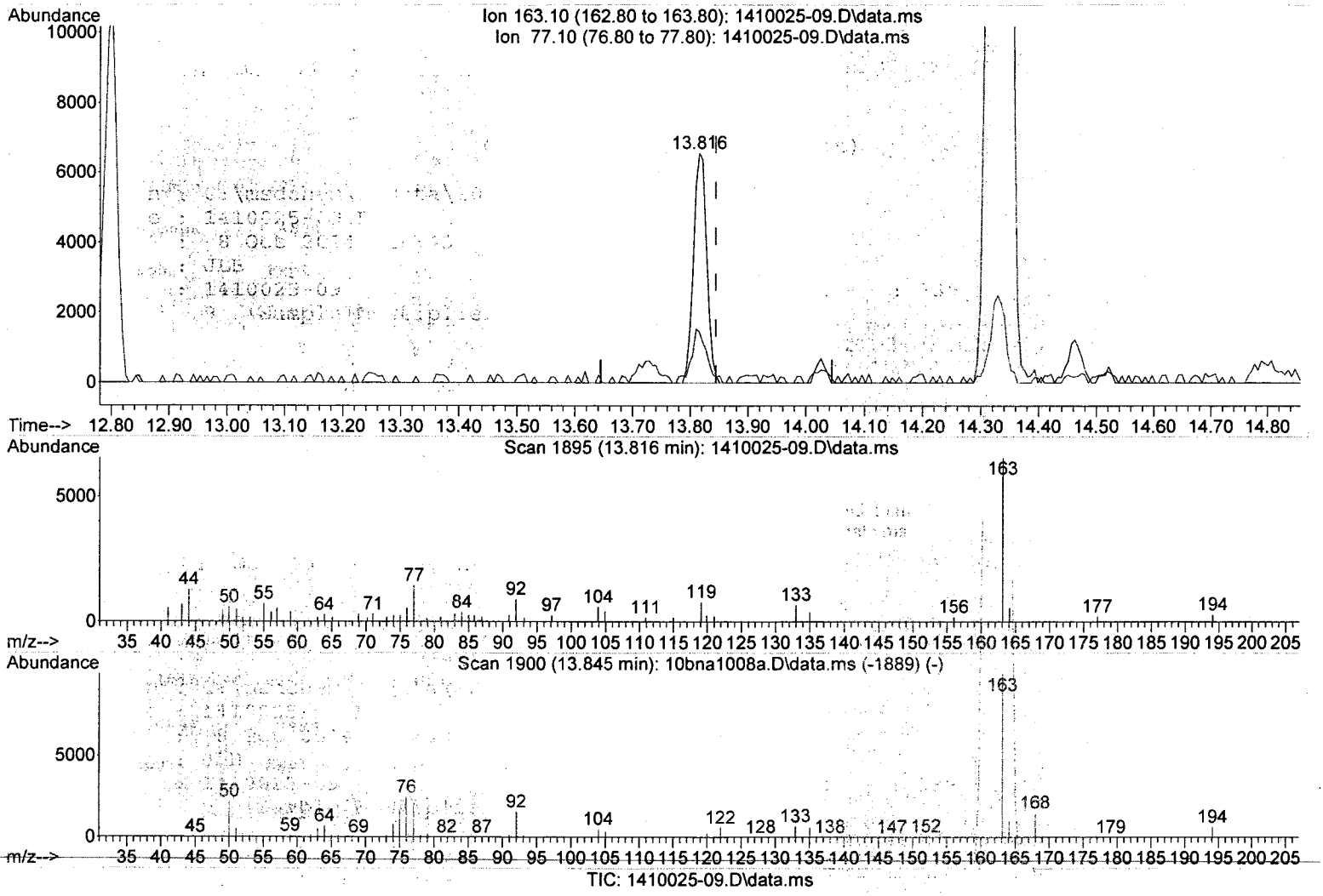
Analyst: JLB Date: 10/10/14

Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-09.D
Acq On : 8 Oct 2014 18:43
Operator : JLB
Sample : 1410025-09 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:36:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410025-09.D\data.ms

(53) Dimethyl Phthalate

13.816min (-0.029) 0.05 ng/uL

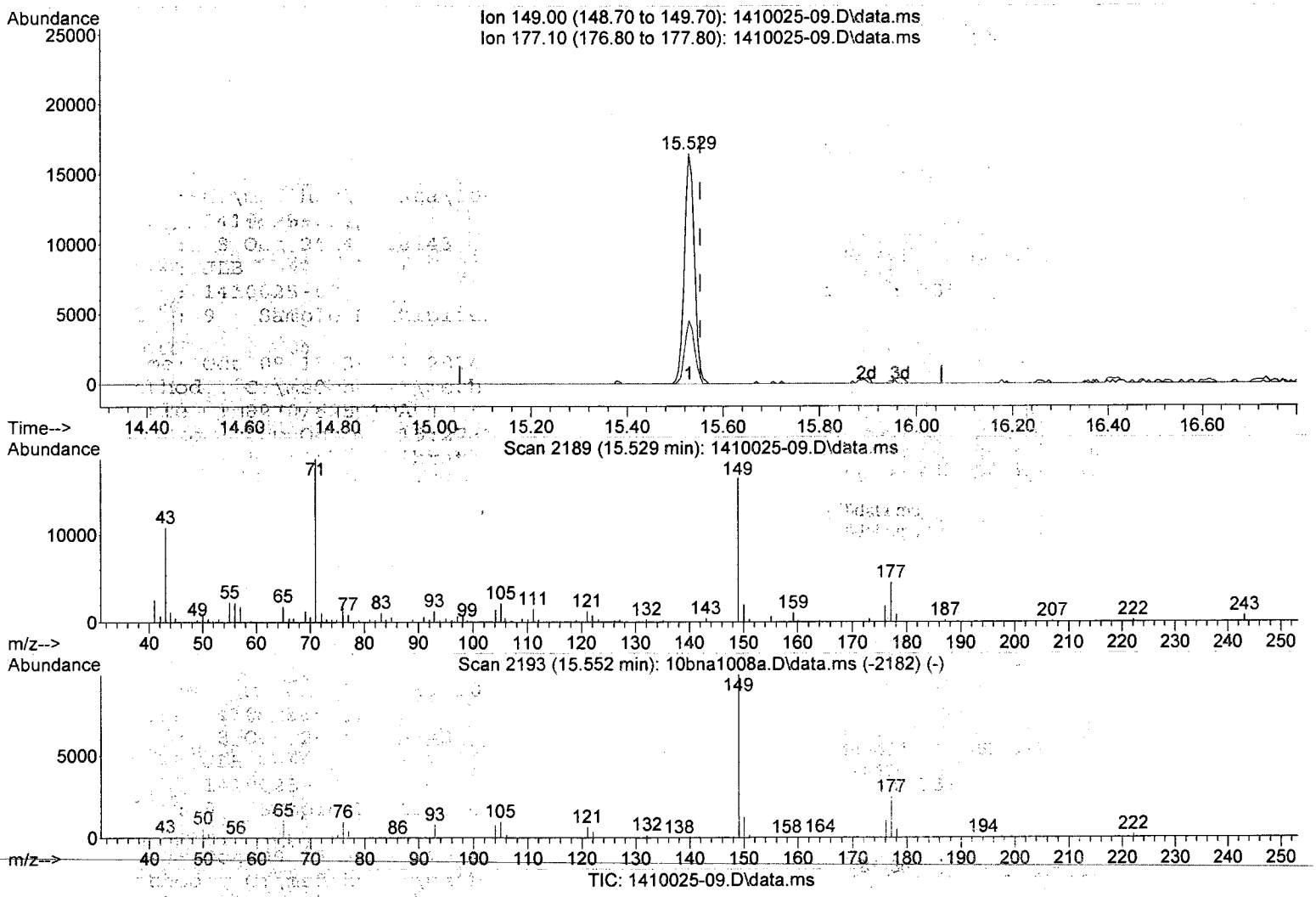
response 10476

Ion	Exp%	Act%
163.10	100.00	100.00
77.10	22.60	26.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-09.D
Acq On : 8 Oct 2014 18:43
Operator : JLB
Sample : 1410025-09 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:36:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410025-09.D\data.ms

(63) Diethyl Phthalate

15.529min (-0.023) 0.11 ng/uL

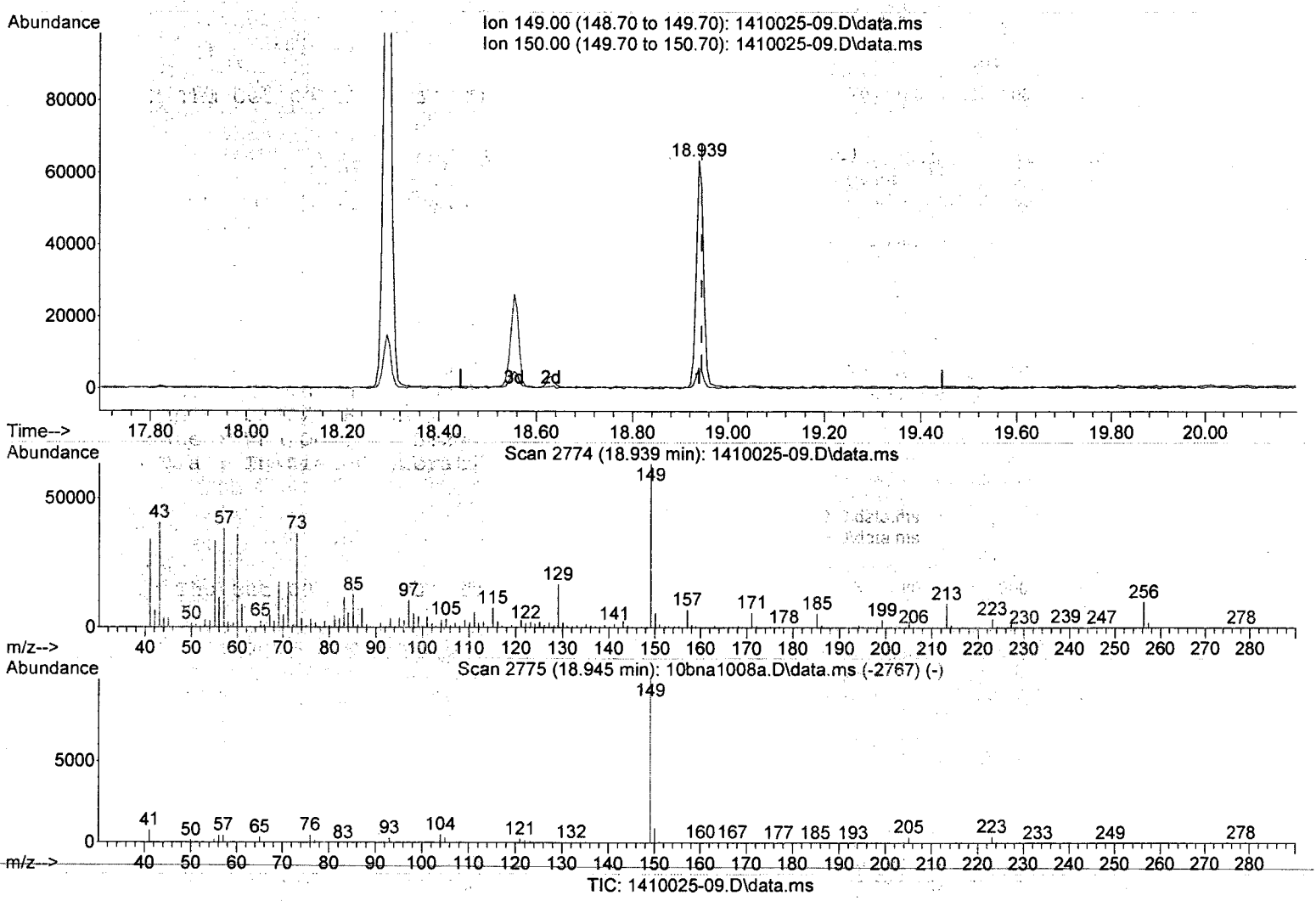
response 24077

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	27.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-09.D
Acq On : 8 Oct 2014 18:43
Operator : JLB
Sample : 1410025-09 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:36:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410025-09.D\data.ms

(79) Di-n-butyl Phthalate

18.939min (-0.006) 0.21 ng/uL

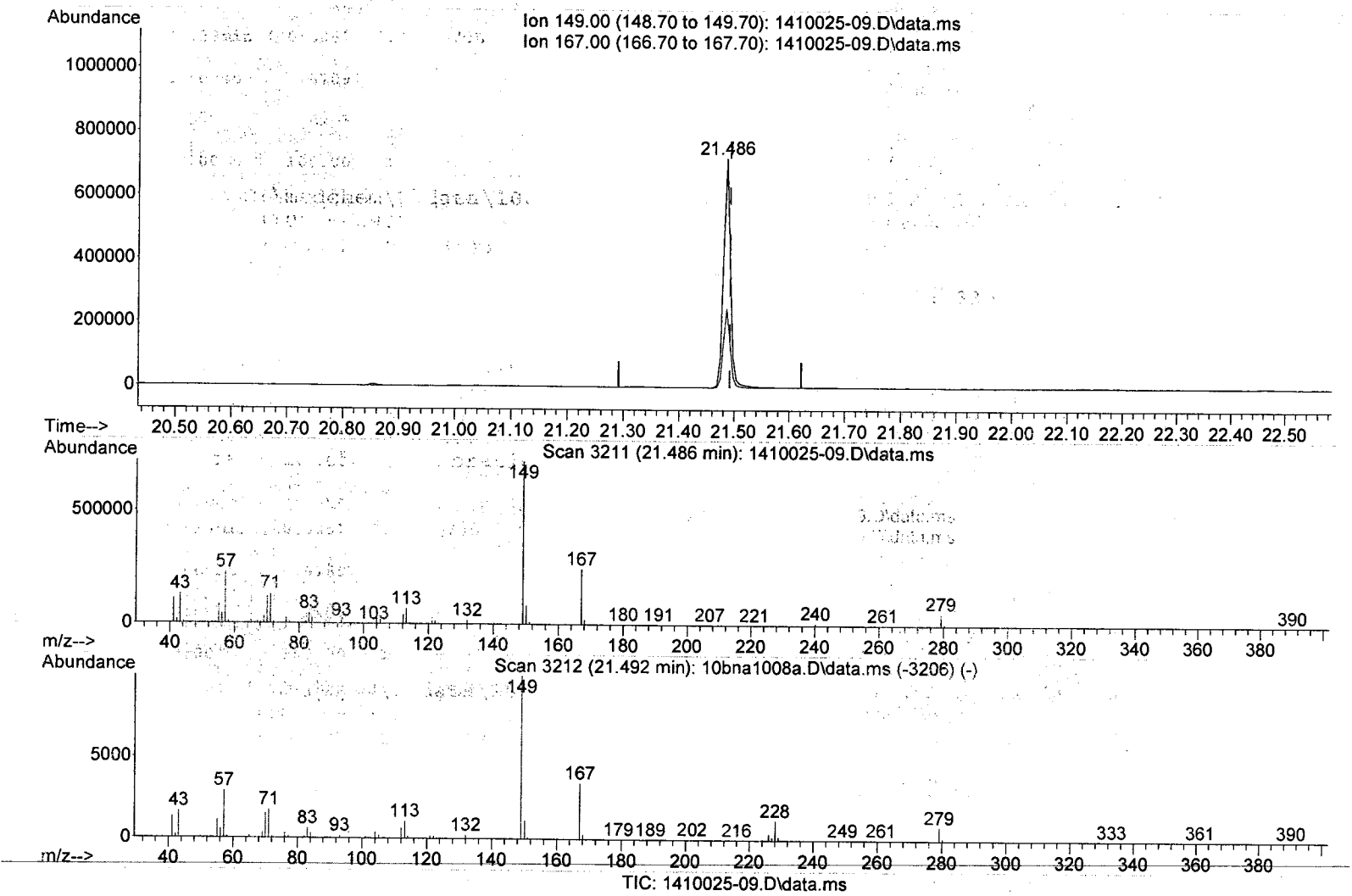
response 67897

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	10.39
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-09.D
Acq On : 8 Oct 2014 18:43
Operator : JLB
Sample : 1410025-09 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:36:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410025-09.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.486min (-0.006) 4.05 ng/uL

response 640448

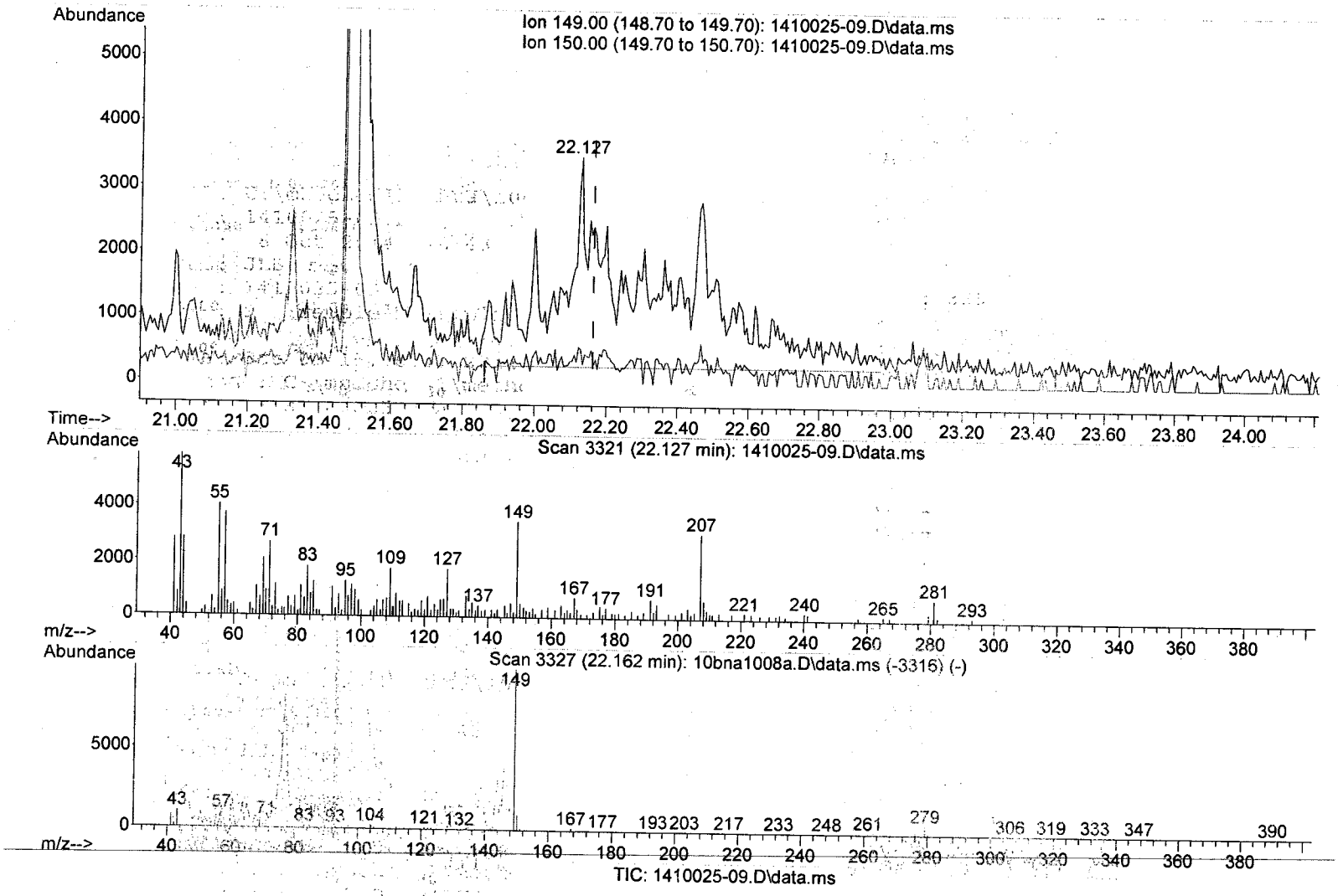
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.05
0.00	0.00	0.00
0.00	0.00	0.00

003790

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410025-09.D
Acq On : 8 Oct 2014 18:43
Operator : JLB
Sample : 1410025-09 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:36:41 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



TIC: 1410025-09.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.127min (-0.035) 0.54 ng/uL

response 58759

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.55#
0.00	0.00	0.00
0.00	0.00	0.00

pp

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB34-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-01 File ID: 1410085-01.D

Sampled: 10/01/14 09:10 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 23:02

Solids: 95.99 Preparation: 3550C Sonication Extract Initial/Final: 29.8 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	970	4.8	17	17	**E**
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	1000	4.2	17	17	**E**
56-55-3	Benzo(a)anthracene	1	2300	2.9	8.7	17	**E**
50-32-8	Benzo(a)pyrene	1	1800	2.4	8.7	17	**E**
205-99-2	Benzo(b)fluoranthene	1	2600	2.0	8.7	17	**E**
207-08-9	Benzo(k)fluoranthene	1	1100	2.0	8.7	17	**E**
191-24-2	Benzo(g,h,i)perylene	1	490	2.0	8.7	35	
65-85-0	Benzoic Acid	1	170	72	170	350	U
100-51-6	Benzyl Alcohol	1	4.9	4.8	17	17	**J**
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.2	17	35	U
86-74-8	Carbazole	1	670	4.2	17	170	
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.7	3.8	8.7	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	4.0	17	17	U
218-01-9	Chrysene	1	1900	4.1	17	17	**E**
53-70-3	Dibenz(a,h)anthracene	1	130	2.0	8.7	35	
132-64-9	Dibenzofuran	1	430	5.1	17	17	
84-74-2	Di-n-butyl Phthalate	1	35	14	35	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	870	U
120-83-2	2,4-Dichlorophenol	1	17	4.3	17	35	U
84-66-2	Diethyl Phthalate	1	9.1	5.0	17	17	**J**
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.7	4.2	8.7	17	U
121-14-2	2,4-Dinitrotoluene	1	8.7	3.4	8.7	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB34-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-01
File ID: 1410085-01.D
Sampled: 10/01/14 09:10
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 23:02
Solids: 95.99
Preparation: 3550C Sonication Extract
Initial/Final: 29.8 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21047
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	13	4.0	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.7	3.5	8.7	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	120	12	17	35	
206-44-0	Fluoranthene	1	2900	4.7	17	17	E
86-73-7	Fluorene	1	690	4.2	17	35	
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.8	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	510	2.8	8.7	35	
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	200	4.8	17	17	
108-39-4	3+4-Methylphenol	1	22	3.8	8.7	17	
95-48-7	2-Methylphenol	1	7.3	3.7	8.7	17	J
91-20-3	Naphthalene	1	600	5.8	17	17	
100-01-6	4-Nitroaniline	1	70	26	70	340	U
88-74-4	2-Nitroaniline	1	8.7	3.7	8.7	17	U
99-09-2	3-Nitroaniline	1	35	17	35	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.7	17	17	U
100-02-7	4-Nitrophenol	1	350	110	350	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.7	3.6	8.7	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	3000	4.3	17	17	E
108-95-2	Phenol	1	13	4.1	17	170	J
129-00-0	Pyrene	1	4400	4.5	17	17	E
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.7	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.7	2.6	8.7	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	699	482	69	33 - 113	
Phenol-d6	699	516	74	30 - 115	
Nitrobenzene-d5	350	250	72	33 - 131	
2-Fluorobiphenyl	350	245	70	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB34-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-01
File ID: 1410085-01.D
Sampled: 10/01/14 09:10
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 23:02
Solids: 95.99
Preparation: 3550C Sonication Extract
Initial/Final: 29.8 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21047
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	699	472	67	12 - 124	
o-Terphenyl	350	268	77	20 - 155	

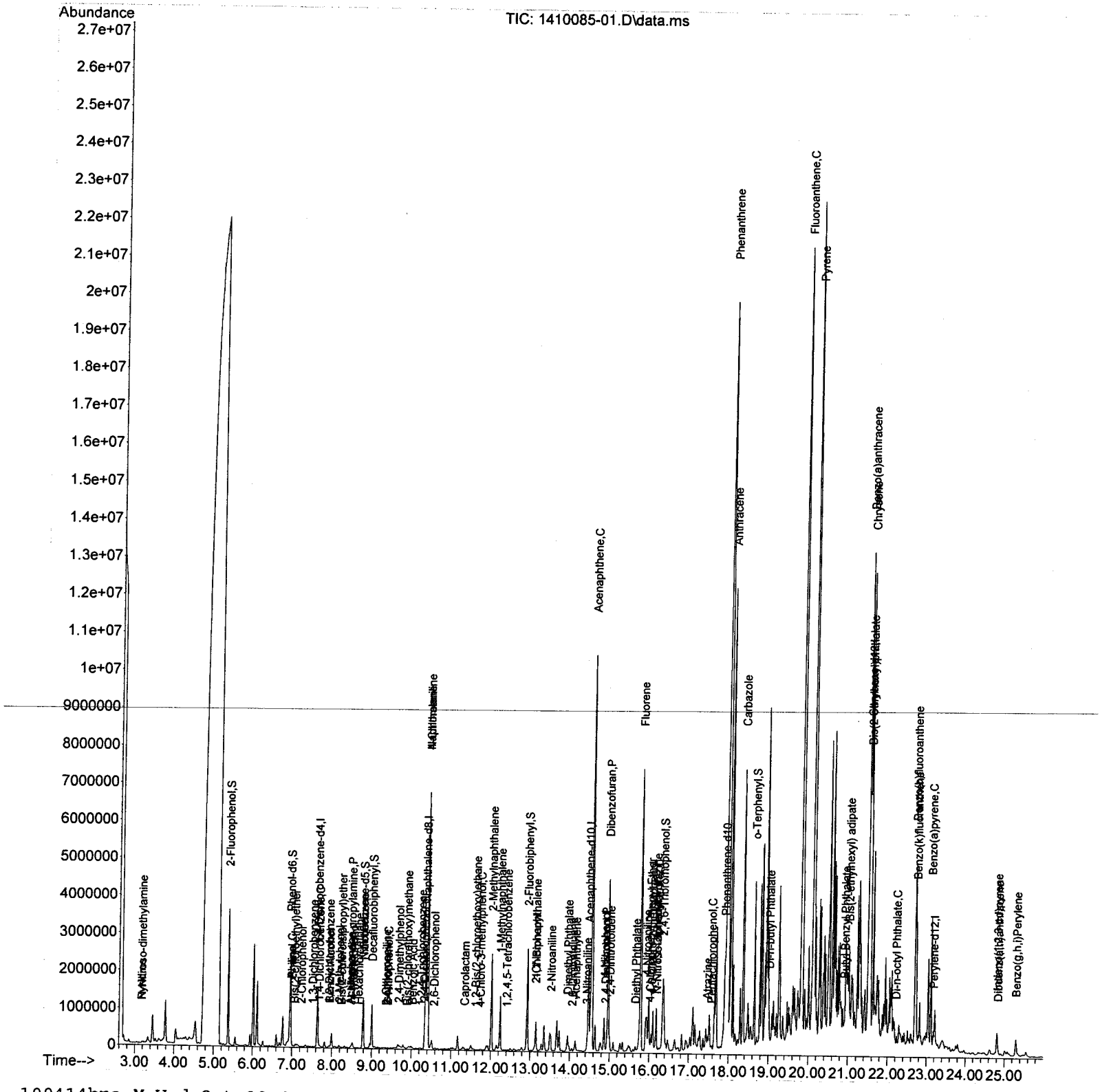
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	470255	7.635	403279	7.614	
Naphthalene-d8	1866659	10.357	1529030	10.359	
Acenaphthene-d10	1060844	14.466	866604	14.474	
Phenanthrene-d10	1601577	17.899	1400442	17.901	
Chrysene-d12	668723	21.524	1153654	21.538	
Perylene-d12	217824	23.18	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:28:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:28:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.635	152	470255	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.357	136	1866659	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.466	164	1060844	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.899	188	1601577	5.00	ng/uL	# 0.01
81) Chrysene-d12	21.524	240	668723	5.00	ng/uL	# 0.02
89) Perylene-d12	23.180	264	217824 low	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.373	112	1481526	13.79	ng/uL	0.19
6) Phenol-d6	6.953	99	2052714	14.76	ng/uL	0.04
21) Nitrobenzene-d5	8.783	82	853873	7.16	ng/uL	0.00
23) Decafluorobiphenyl	9.004	334	522068	6.24	ng/uL	0.00
47) 2-Fluorobiphenyl	12.927	172	1536723	7.01	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.348	330	327701	13.49	ng/uL	0.00
78) o-Terphenyl	18.645	230	1053748	7.67	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.176	74	450	0.01	ng/uL#	1
3) Pyridine	3.164	79	1457	0.01	ng/uL#	36
5) Aniline	6.976	93	1360	0.23	ng/uL#	1
7) Phenol	6.976	94	57182	0.36	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.058	93	143	0.00	ng/uL#	48
9) 2-Chlorophenol	7.227	128	357	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.512	146	3511	0.03	ng/uL#	1
11) 1,4-Dichlorobenzene	7.670	146	3303	0.02	ng/uL#	55
12) 1,2-Dichlorobenzene	7.920	146	536	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.235	45	353	0.00	ng/uL#	51
14) Benzyl Alcohol	7.938	108	11291	0.14	ng/uL	97
15) 2-Methylphenol	8.182	108	23746	0.21	ng/uL#	88
16) Acetophenone	8.462	105	12808	0.08	ng/uL#	66
17) Hexachloroethane	8.660	119	7573	~~0.15~~ ps	ng/uL#	11
18) 4-Methylphenol	8.521	108	70192	0.63	ng/uL	87
19) N-Nitroso-di-n-propyla...	8.486	70	2839	0.03	ng/uL#	1
~~22) Nitrobenzene~~	~~8.789~~	~~77~~	~~6540~~	~~0.05~~	~~ng/uL#~~	~~1~~
24) Isophorone	9.366	82	2075	0.01	ng/uL#	91
25) 2-Chloroaniline	9.360	127	288	0.00	ng/uL#	1
26) 2-Nitrophenol	9.406	139	54	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.680	107	38306m	0.32	ng/uL	
28) Bis(2-chlorethoxy)methane	9.884	93	52	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	10.316	162	122	0.00	ng/uL#	1
30) Benzoic Acid	10.018	105	7662	~~2.53~~ ps	ng/uL#	1
31) 1,2,4-Trichlorobenzene	10.240	180	2034	0.02	ng/uL	94
32) Naphthalene	10.409	128	6392275	17.15	ng/uL	99
33) 4-Chloroaniline	10.409	127	745777	~~8.17~~ ab	ng/uL	95
34) 2,6-Dichlorophenol	10.566	162	140	0.00	ng/uL#	15
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.336	55	24325	0.45	ng/uL#	38
37) 1,2-Bis(2-chloroethoxy...	11.616	63	603	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.732	107	918	0.01	ng/uL#	1
39) 2-Methylnaphthalene	12.018	142	1346206	5.67	ng/uL	99
40) 1-Methylnaphthalene	12.239	142	750678	3.48	ng/uL	98
41) 1,3 Dinitrobenzene	13.982	168	244	Below Cal		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:28:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.408	216	134	0.00 ng/uL#	57
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.137	162	2331	0.01 ng/uL#	1
49) 1,1'-Biphenyl	13.143	154	460371	1.65 ng/uL	96
50) 2-Nitroaniline	13.527	138	2090	0.03 ng/uL#	19
51) Acenaphthylene	14.145	152	11169	0.03 ng/uL#	1
52) 2,6-Dinitrotoluene	14.064	165	744	0.01 ng/uL#	1
53) Dimethyl Phthalate	13.947	163	2581	0.01 ng/uL#	1
54) 3-Nitroaniline	14.425	138	154	0.00 ng/uL#	1
55) Acenaphthene	14.559	153	6212210	27.74 ng/uL	98
56) 2,4-Dinitrophenol	14.891	184	250	~~2.84~~ ng/uL#	1
57) Dibenzofuran	14.967	168	3598342	12.38 ng/uL	100
58) 4-Nitrophenol	14.868	65	5040	0.12 ng/uL#	1
59) 2,4-Dinitrotoluene	15.002	165	10007	~~0.15~~ ng/uL#	1
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.789	166	4611337	19.62 ng/uL	97
63) Diethyl Phthalate	15.655	149	56722	0.26 ng/uL	99
64) 4-Chlorophenyl Phenyl ...	16.022	204	2197	0.02 ng/uL#	1
65) 4-Nitroaniline	15.929	138	5225	0.15 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.057	198	252	~~0.99~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.197	169	11994	~~0.07~~ ng/uL#	25
69) 1,2-Diphenylhydrazine	16.179	182	566862	~~8.83~~ ng/uL#	1
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.456	200	561	0.01 ng/uL#	25
74) Pentachlorophenol	17.561	266	1039	0.03 ng/uL#	1
75) Phenanthrene	17.986	178	26719639	86.15 ng/uL	100
76) Anthracene	18.062	178	8707318	29.09 ng/uL	98
77) Carbazole	18.365	167	4945531	19.16 ng/uL	100
79) Di-n-butyl Phthalate	19.018	149	24400	0.08 ng/uL#	1
80) Fluoroanthene	19.840	202	24821951	83.89 ng/uL	93
82) Pyrene	20.137	202	20128899	126.89 ng/uL	97
83) Butyl Benzyl Phthalate	20.912	149	4457	0.07 ng/uL	94
84) Bis(2-ethylhexyl) adipate	21.017	129	4758	0.15 ng/uL#	100
85) Benzo(a)anthracene	21.513	228	7879673	64.65 ng/uL	98
86) Chrysene	21.553	228	6399363	53.74 ng/uL	96
87) Bis(2-ethylhexyl)phtha...	21.536	149	266623	3.32 ng/uL	96
88) Di-n-octyl Phthalate	22.218	149	5919m	0.38 ng/uL	
90) Benzo(b)fluoroanthene	22.702	252	2957160m	74.73 ng/uL	
91) Benzo(k)fluoranthene	22.731	252	1430638m	32.01 ng/uL	
92) Benzo(a)pyrene	23.115	252	1929572	51.71 ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.806	276	474861	14.71 ng/uL#	88
94) Dibdenz(a,h)anthracene	24.829	278	97553	3.70 ng/uL#	88
95) Benzo(g,h,i)Perylene	25.295	276	391045	14.05 ng/uL#	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 07:57:55 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

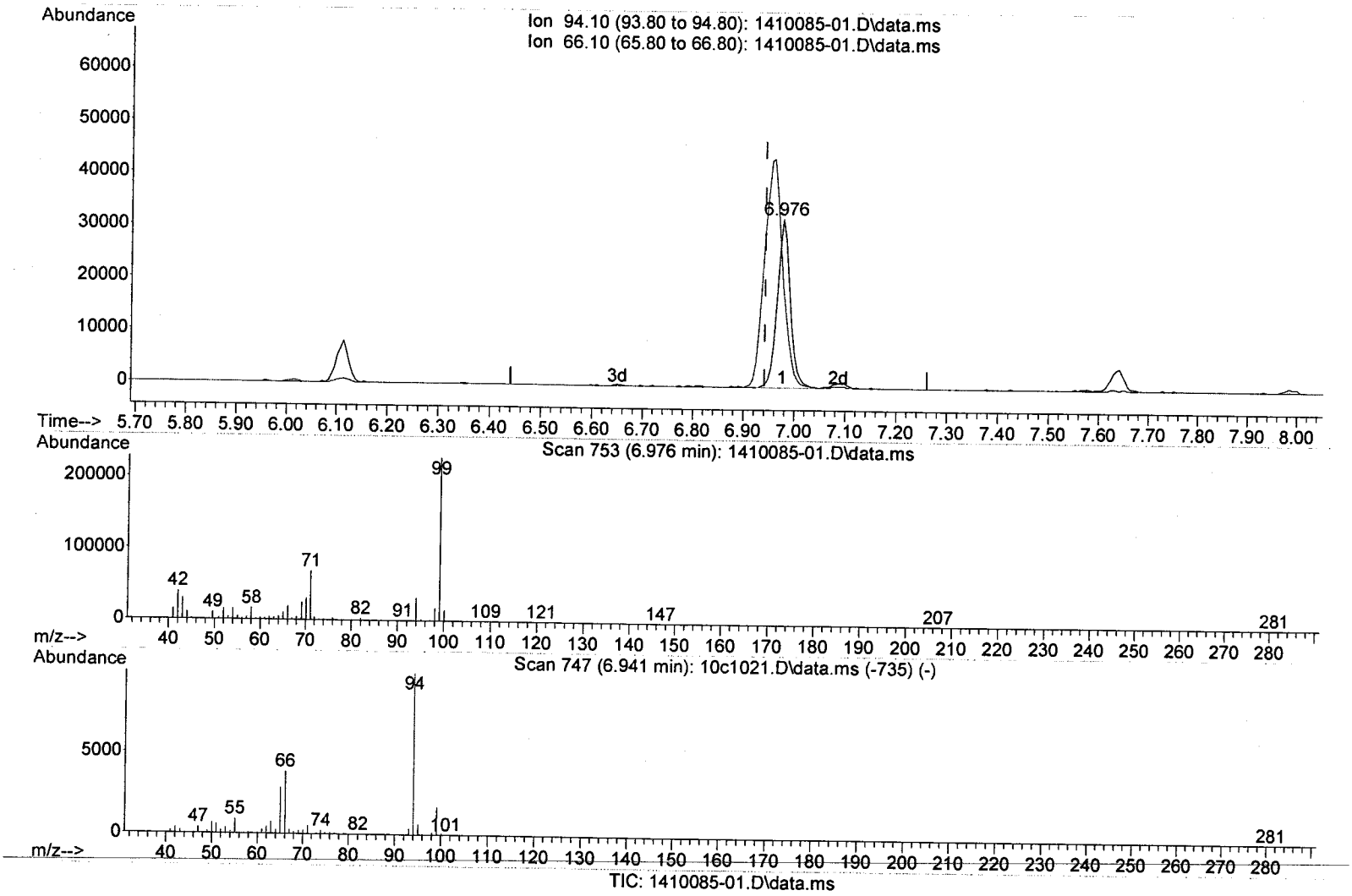
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.635	152	467886	5.00	ng/uL	# 0.02
8) Naphthalene-d8	10.357	136	1866659	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.466	164	1052005	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.899	188	1603691	5.00	ng/uL	# 0.01
19) Chrysene-d12	21.524	240	668927	5.00	ng/uL	# 0.02
22) Perylene-d12	23.180	264	224448	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.211	74	794	0.01	ng/uL#	40
3) Pyridine	2.814	79	1316	0.01	ng/uL	97
4) Aniline	6.976	93	1360	0.01	ng/uL#	1
5) Benzaldehyde	6.743	105	13350	0.13	ng/uL#	88
6) Acetophenone	8.462	105	12808	0.07	ng/uL#	66
7) N-Nitroso-di-n-propyla...	8.486	70	3220	0.04	ng/uL#	1
9) 4-Chloroaniline	10.631	127	827	0.02	ng/uL#	56
10) Caprolactam	11.336	55	6872	0.21	ng/uL#	80
12) 1,1'-Biphenyl	13.143	154	460371	1.47	ng/uL	96
13) 2-Nitroaniline	13.527	138	2090	0.04	ng/uL#	19
14) 3-Nitroaniline	14.425	138	154	Below Cal	#	1
15) 4-Nitroaniline	15.789	138	51799	~~0.91~~	ng/uL#	26
17) N-Nitroso-diphenylamine	16.197	169	11994	0.06	ng/uL#	25
18) Atrazine	17.910	200	203	Below Cal		99
20) Benzidine	19.968	184	6523	0.48	ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.390	252	3578	0.09	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(7) Phenol (C)

6.976min (+ 0.035) 0.36 ng/uL

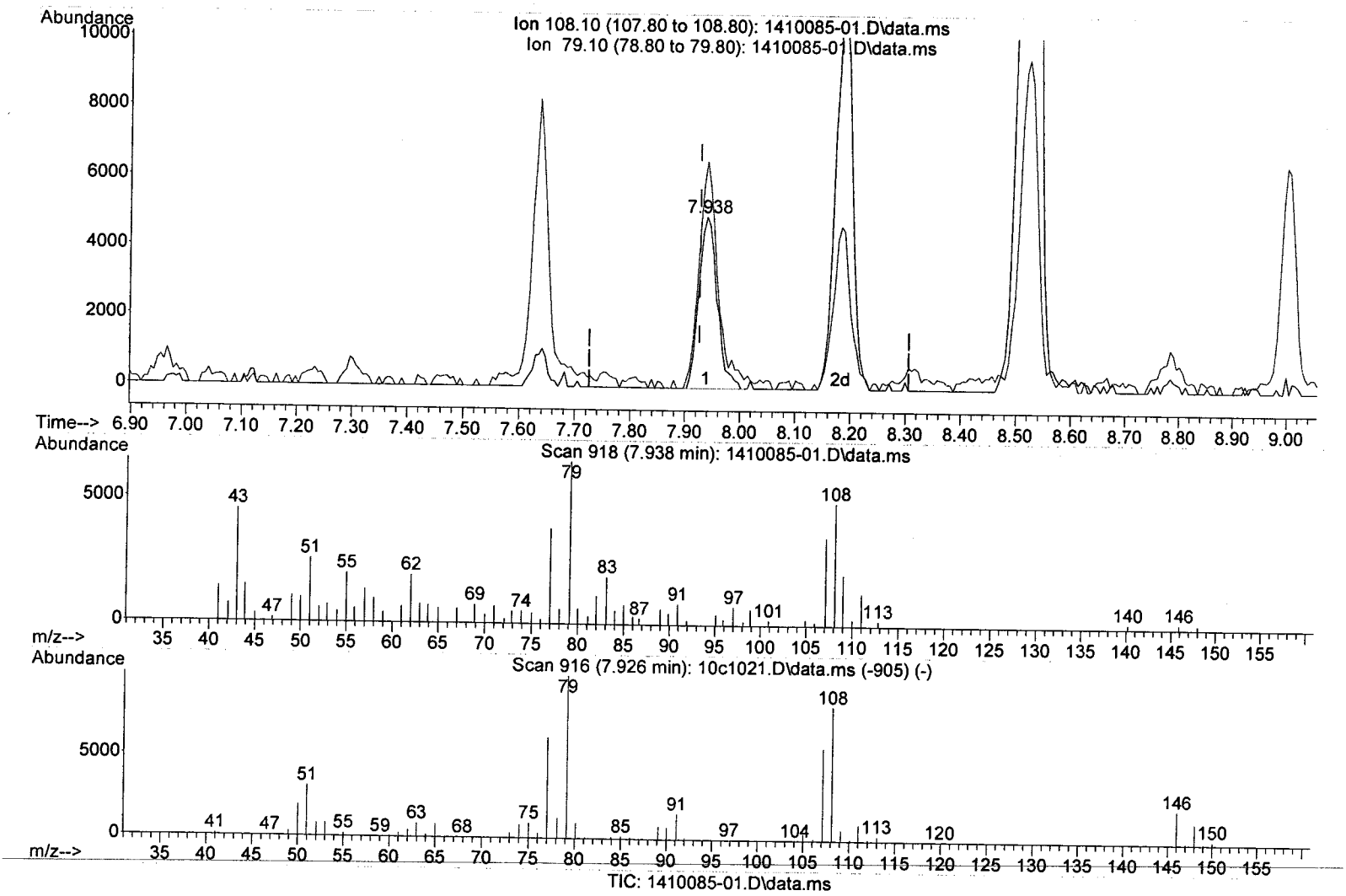
response 57182

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	191.20#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(14) Benzyl Alcohol

7.938min (+ 0.012) 0.14 ng/uL

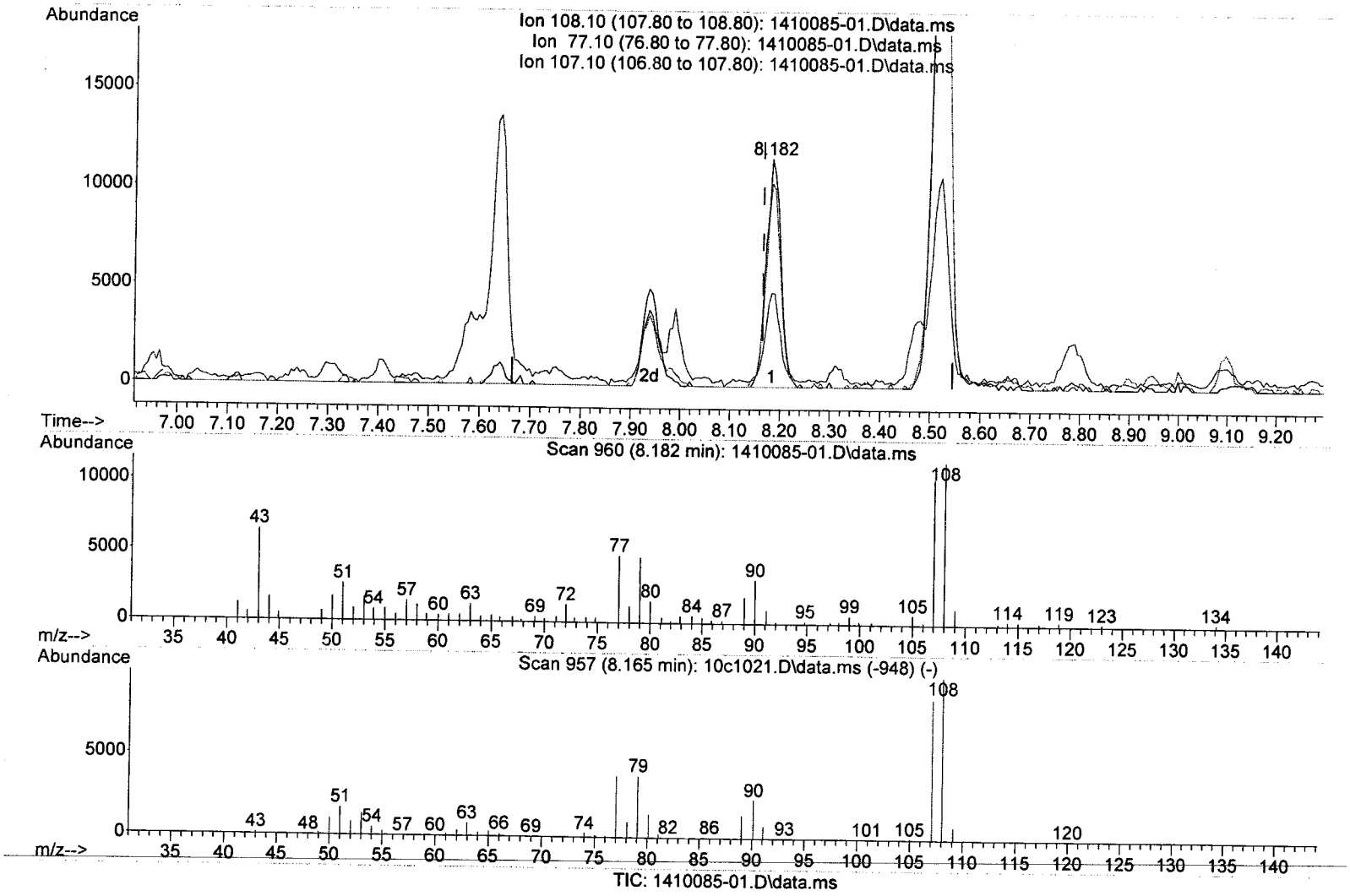
response 11291

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	142.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(15) 2-Methylphenol

8.182min (+ 0.018) 0.21 ng/uL

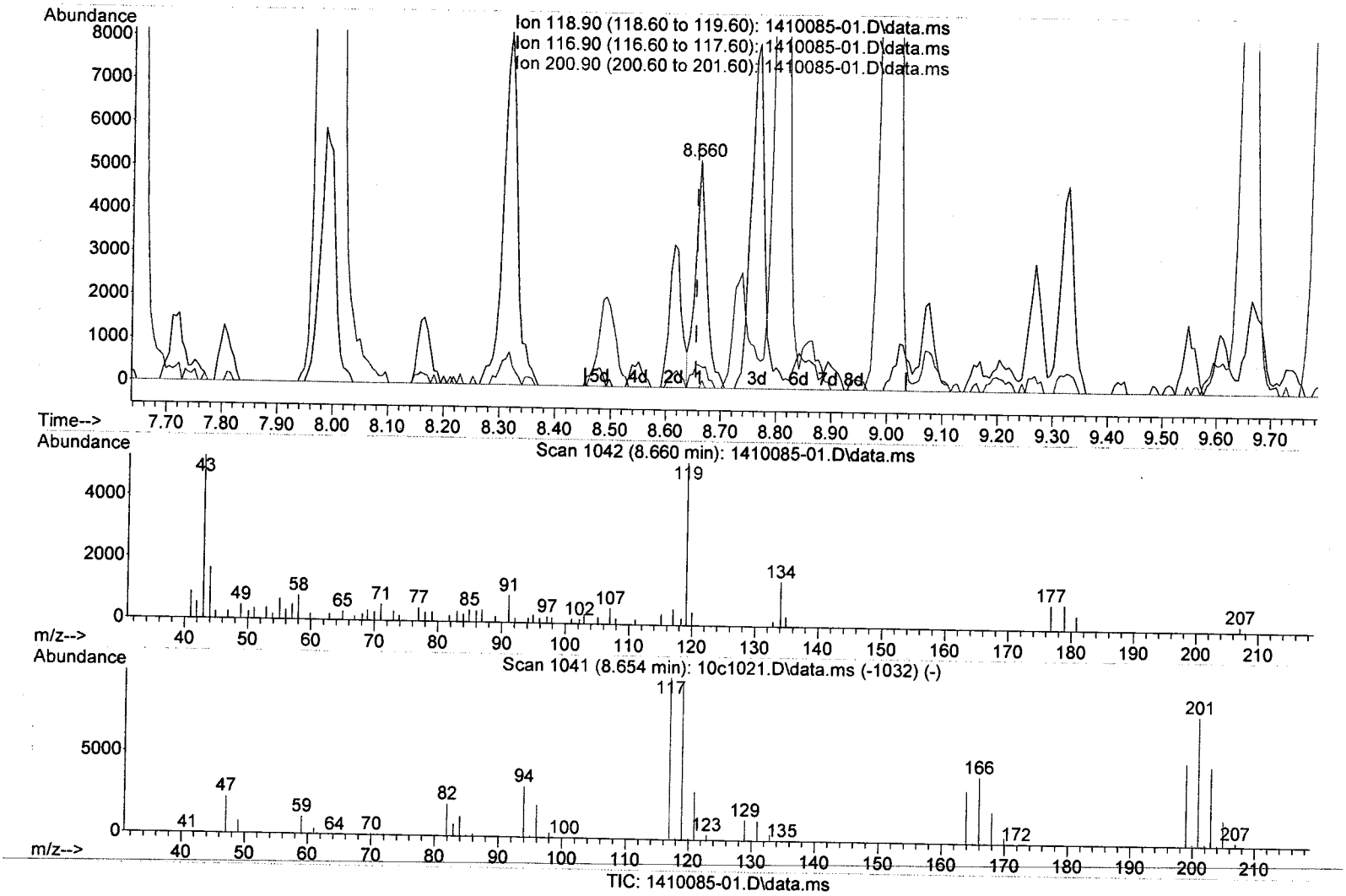
response 23746

Ion	Exp%	Act%
108.10	100.00	100.00
77.10	58.70	38.59#
107.10	92.00	89.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(17) Hexachloroethane

8.660min (+ 0.006) 0.15 ng/uL

response 7573

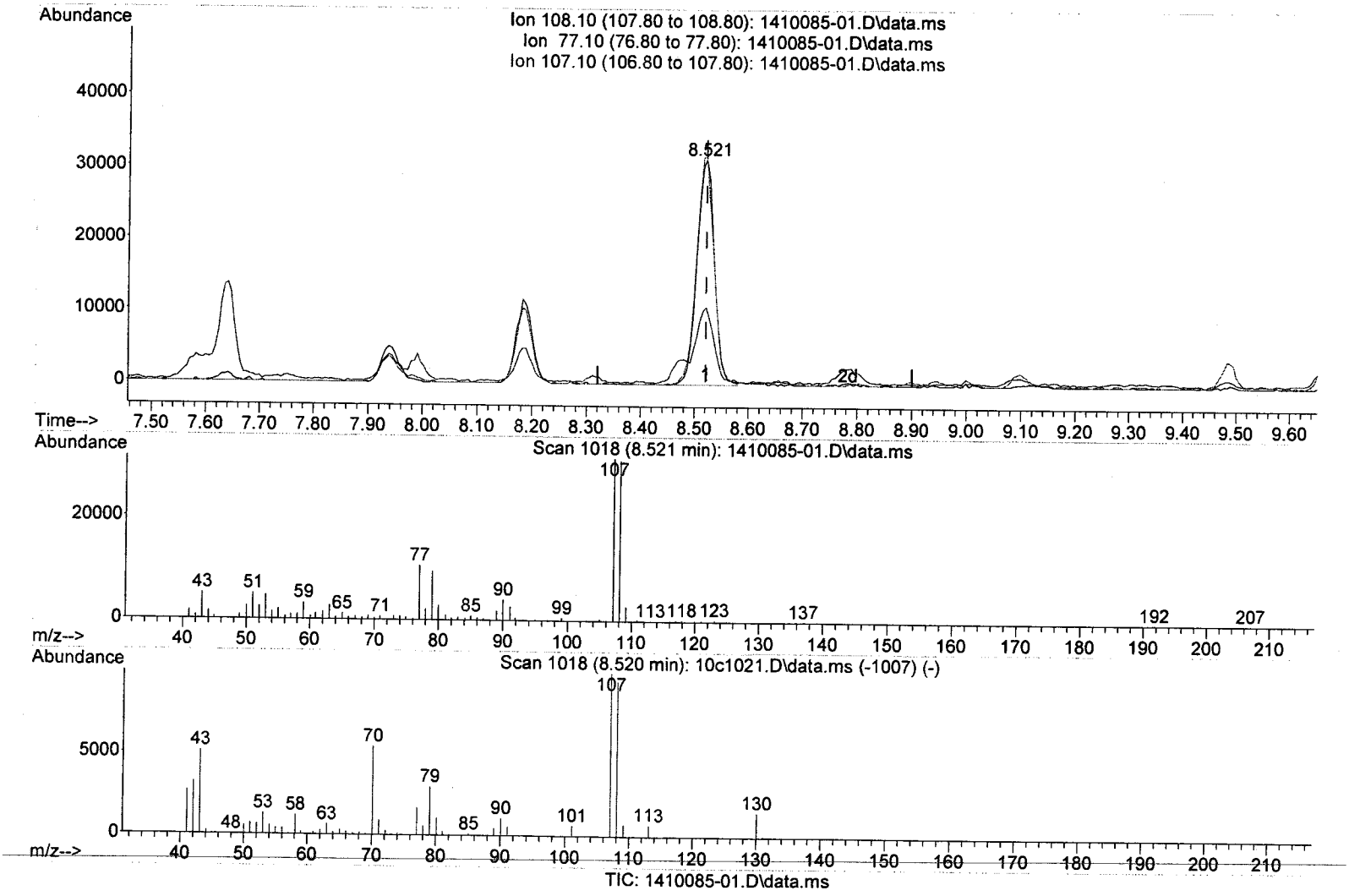
Ion	Exp%	Act%
118.90	100.00	100.00
116.90	100.10	13.71#
200.90	85.90	0.75#
0.00	0.00	0.00

PS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(18) 4-Methylphenol

8.521min (+ 0.000) 0.63 ng/uL

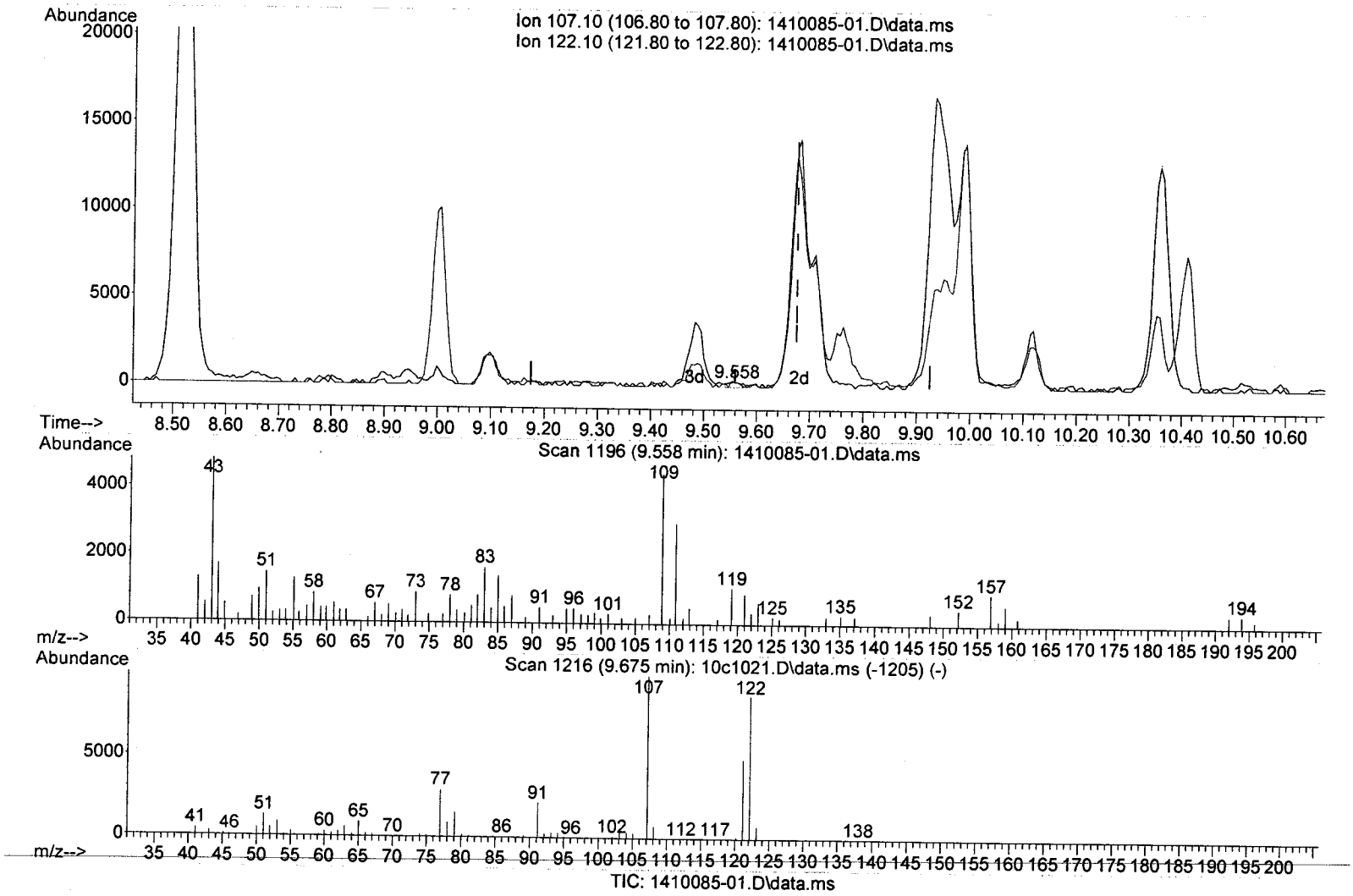
response 70192

Ion	Exp%	Act%
108.10	100.00	100.00
77.10	40.00	46.61
107.10	120.60	105.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(27) 2,4-Dimethylphenol

9.558min (-0.116) 0.00 ng/uL

response 510

Ion	Exp%	Act%
107.10	100.00	100.00
122.10	88.80	101.57
0.00	0.00	0.00
0.00	0.00	0.00

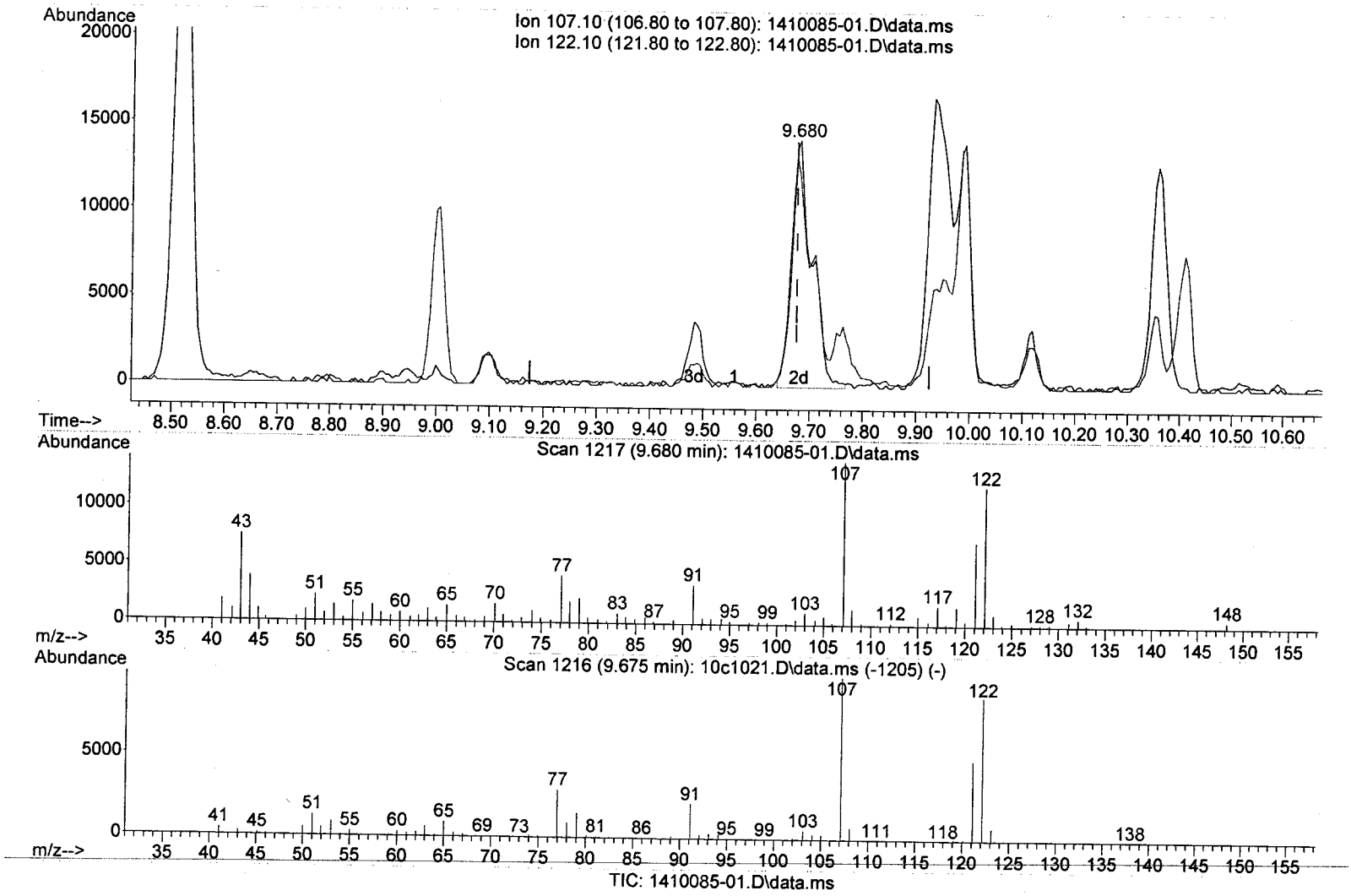
DWG 10-22-14

JLB 10/22/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(27) 2,4-Dimethylphenol

9.680min (+ 0.006) 0.32 ng/uL m

response 38306

Ion	Exp%	Act%
107.10	100.00	100.00
122.10	88.80	1.35#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

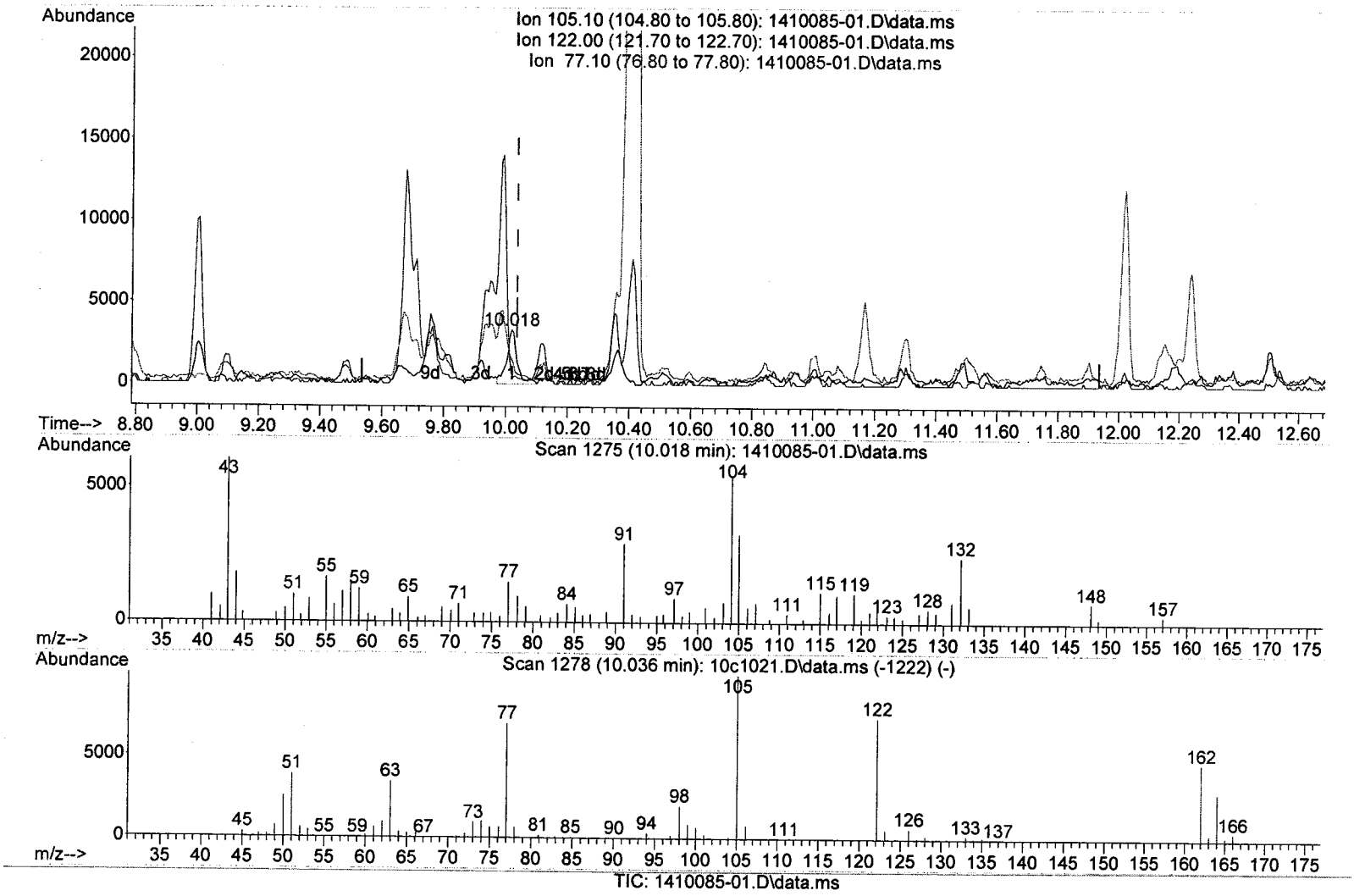
Analyst: JLB Date: 10/22/14

Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(30) Benzoic Acid

10.018min (-0.017) 2.53 ng/uL

response 7662

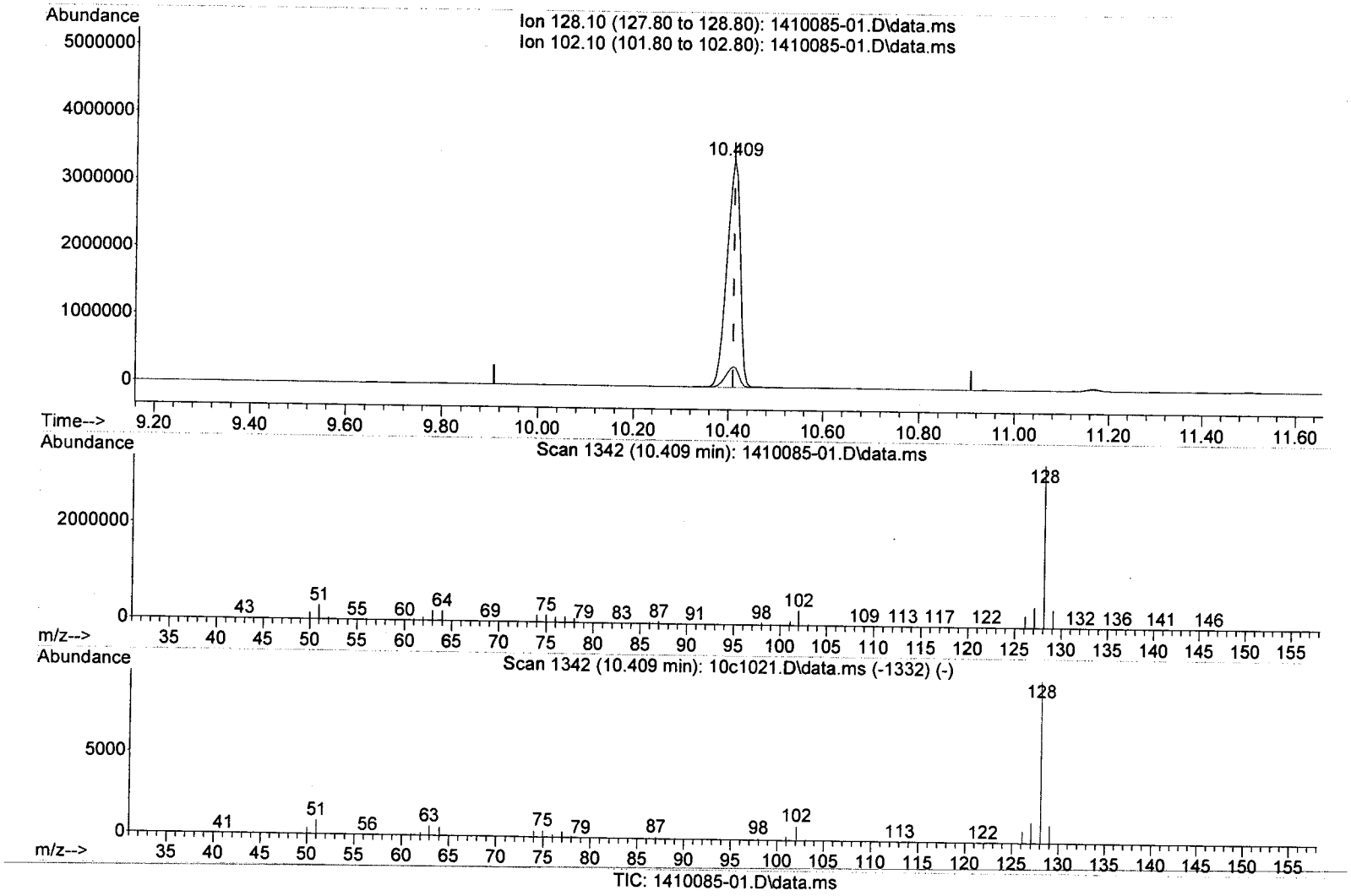
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	319.34#
77.10	74.70	118.25#
0.00	0.00	0.00

ps

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(32) Naphthalene

10.409min (+ 0.000) 17.15 ng/uL

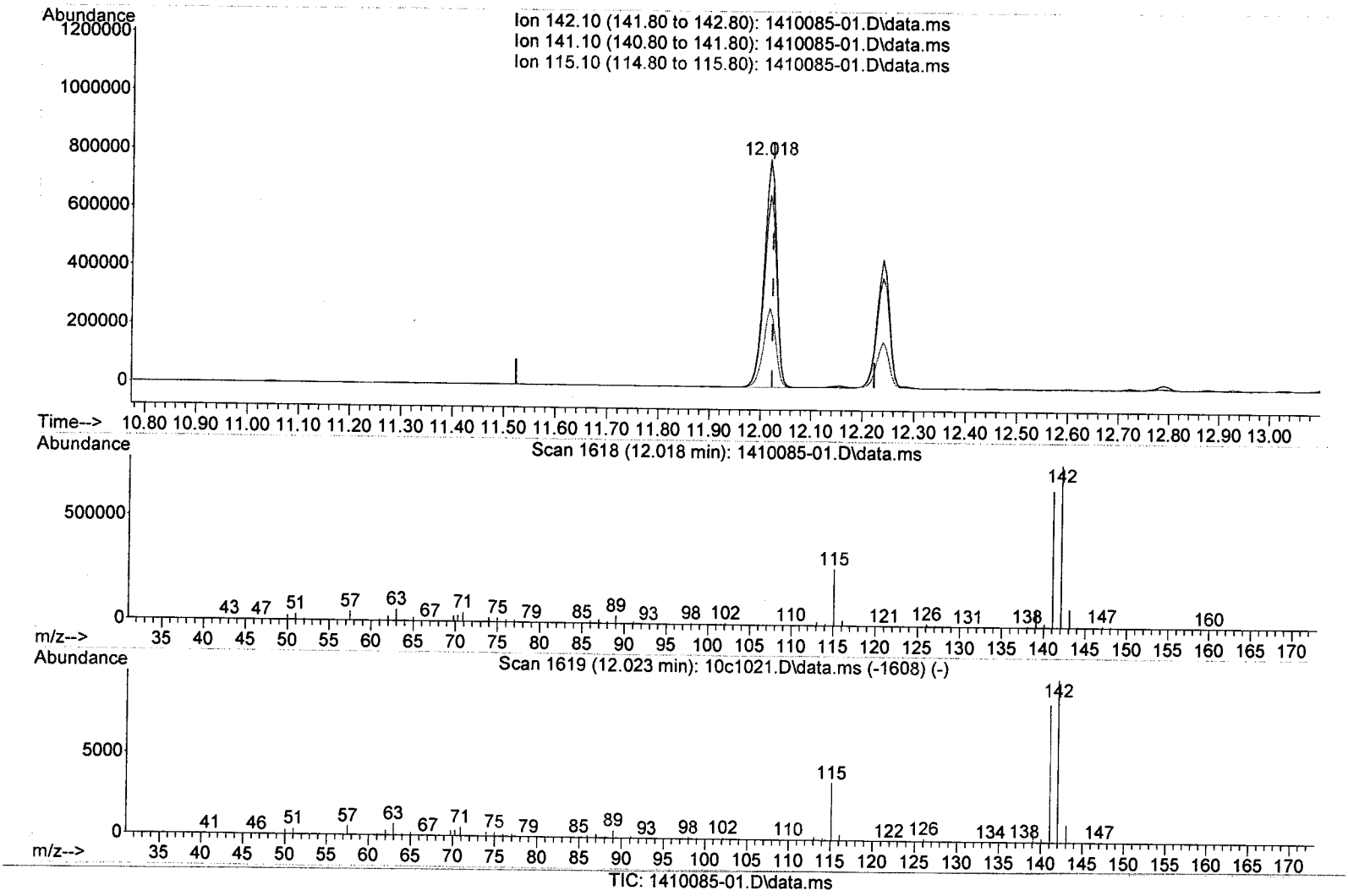
response 6392275

Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	9.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(39) 2-Methylnaphthalene

12.018min (-0.006) 5.67 ng/uL

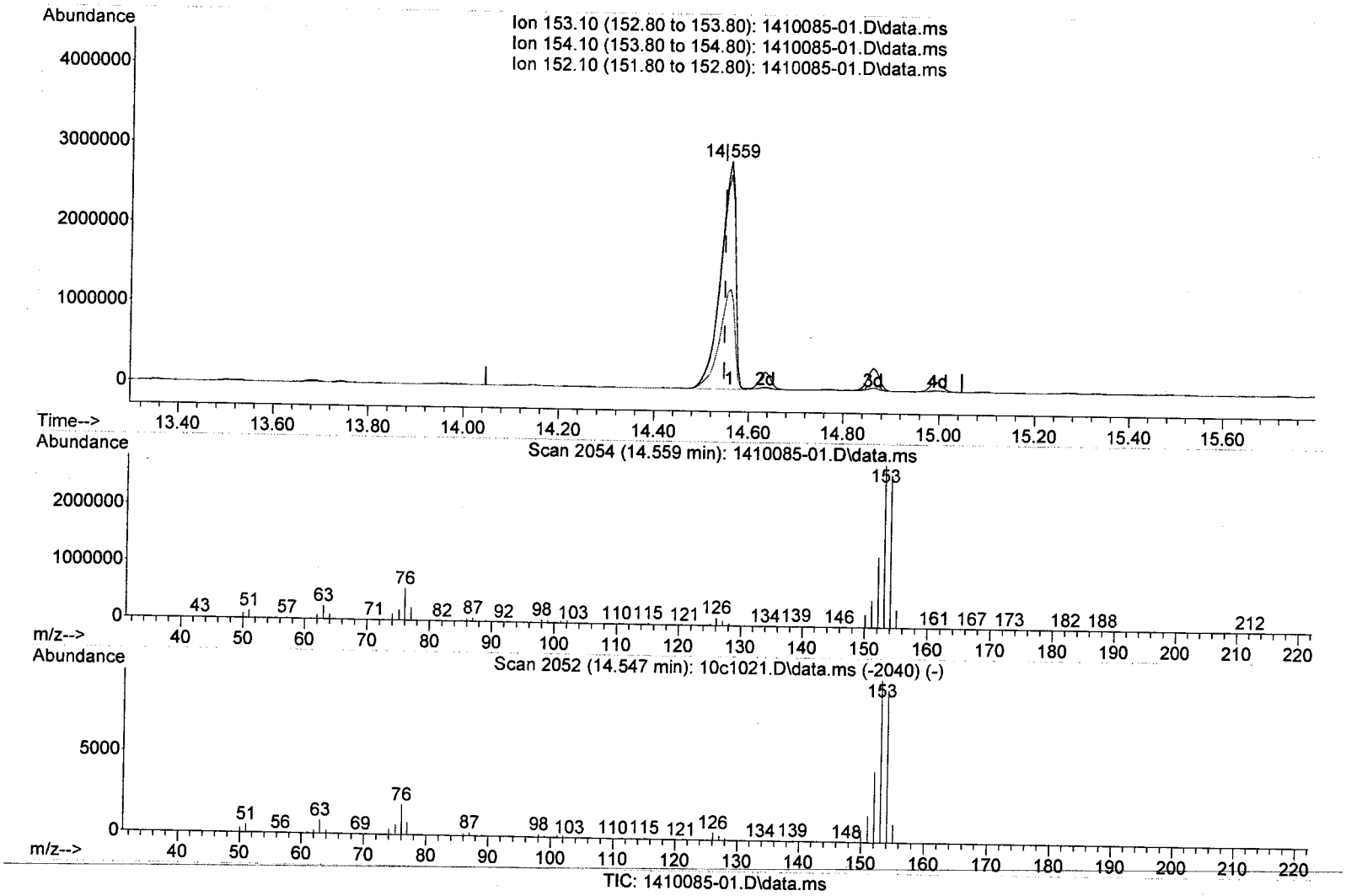
response 1346206

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	84.11
115.10	33.50	34.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(55) Acenaphthene (C)

14.559min (+ 0.012) 27.74 ng/uL

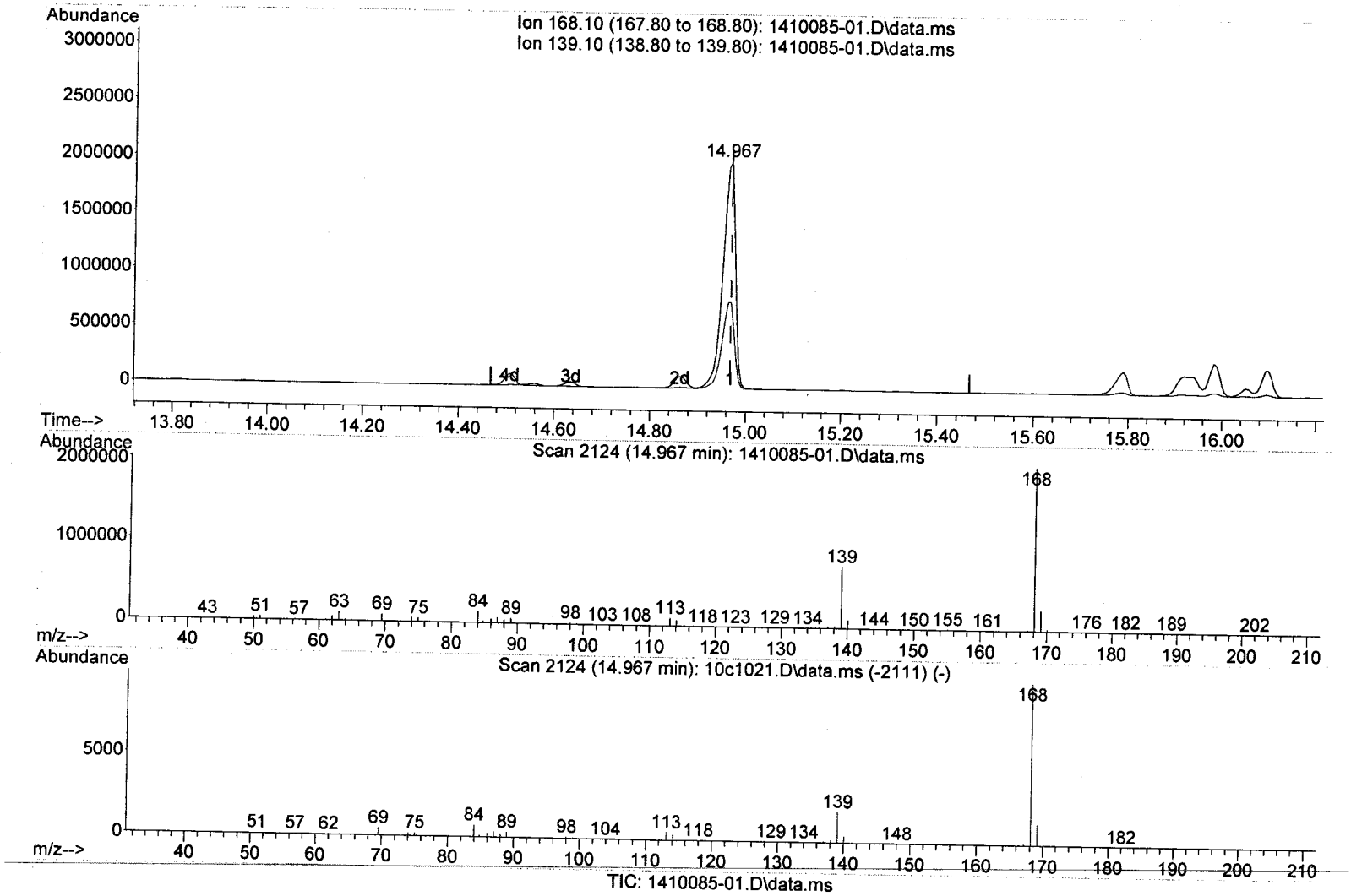
response 6212210

Ion	Exp%	Act%
153.10	100.00	100.00
154.10	93.30	94.36
152.10	46.00	44.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(57) Dibenzofuran (P)

14.967min (+ 0.000) 12.38 ng/uL

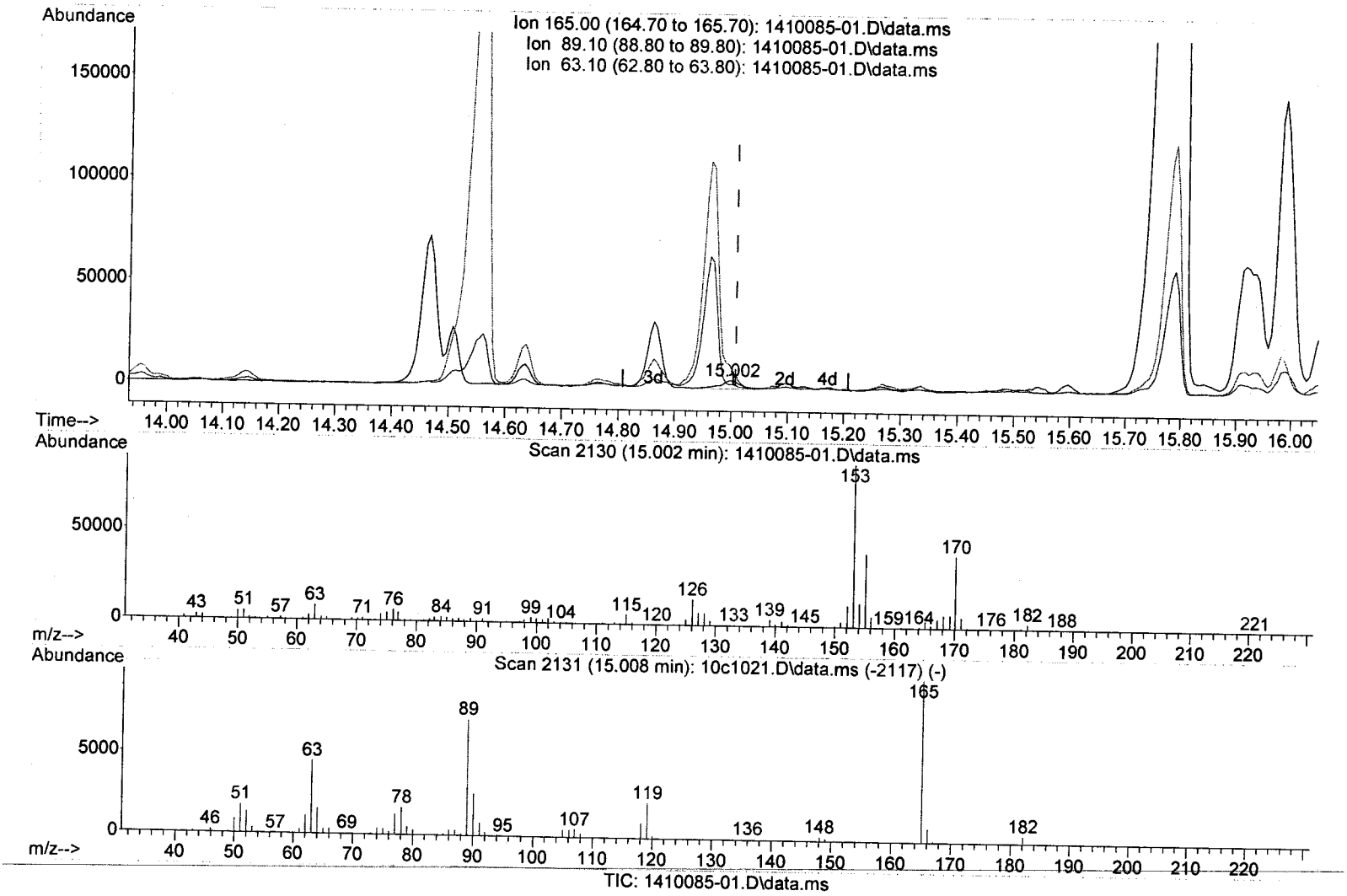
response 3598342

Ion	Exp%	Act%
168.10	100.00	100.00
139.10	38.20	38.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(59) 2,4-Dinitrotoluene

15.002min (-0.006) 0.15 ng/uL

response 10007

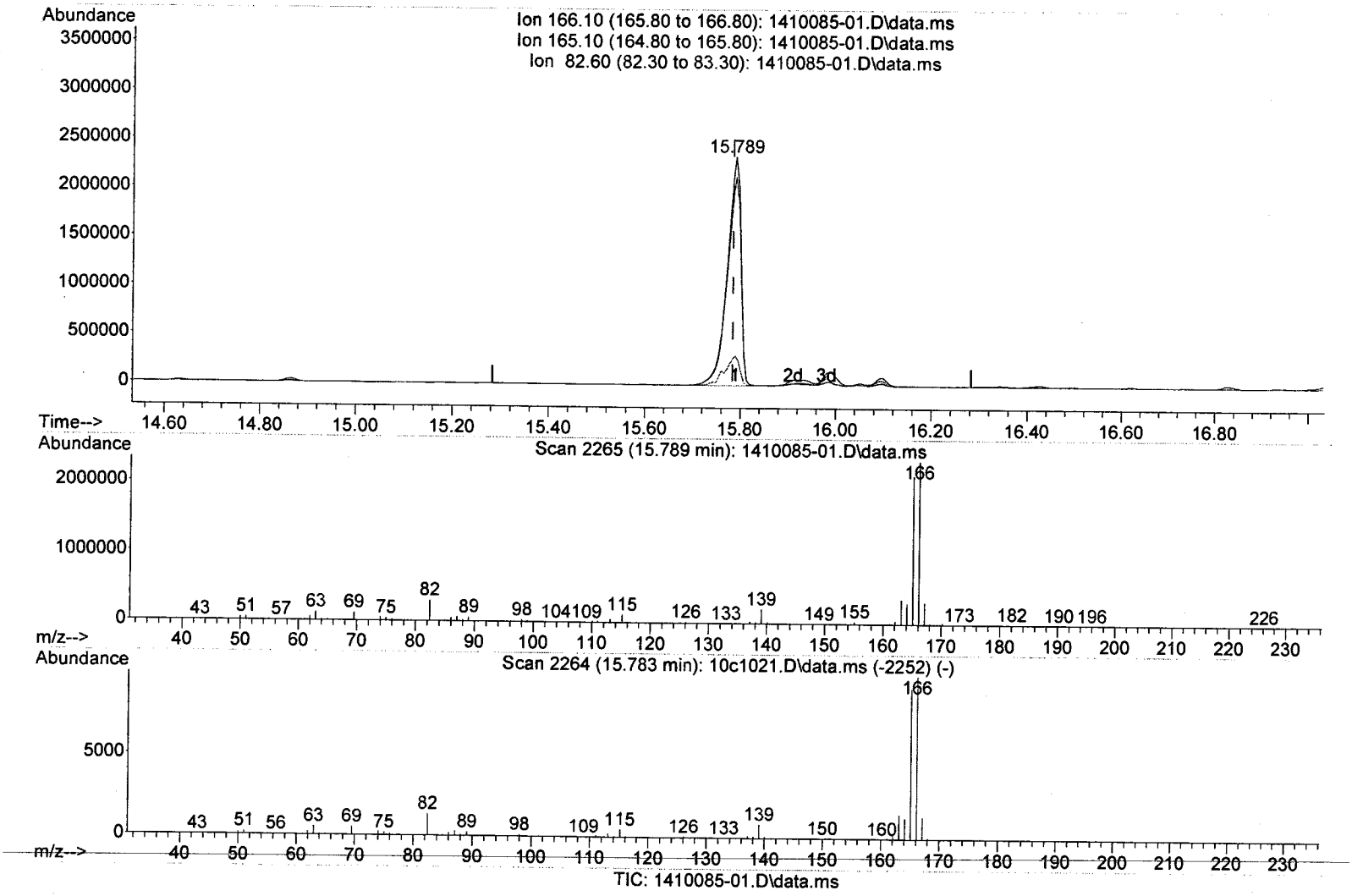
Ion	Exp%	Act%
165.00	100.00	100.00
89.10	72.00	1157.58#
63.10	58.00	2201.26#
0.00	0.00	0.00

P5

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(62) Fluorene

15.789min (+ 0.006) 19.62 ng/uL

response 4611337

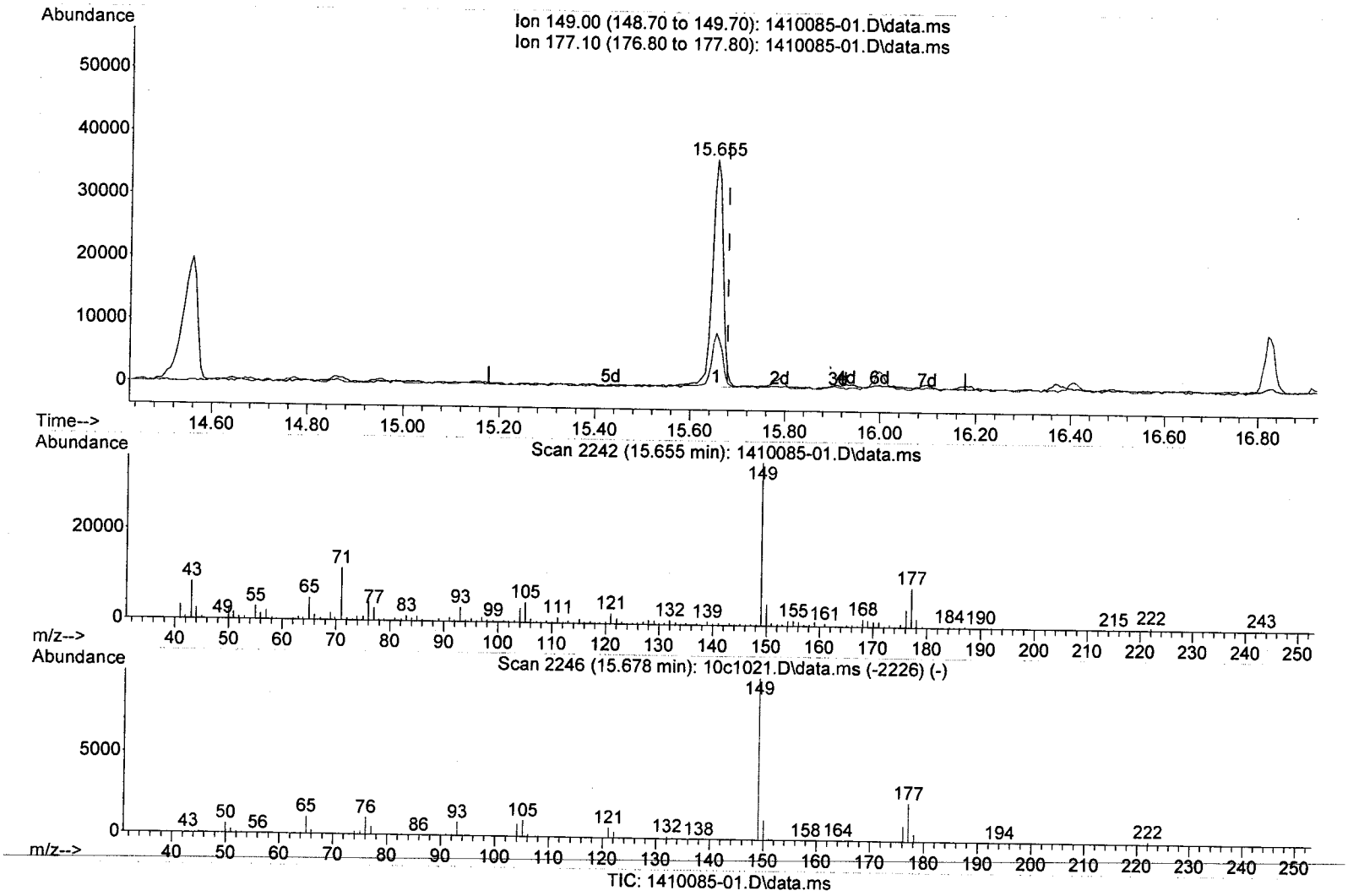
Ion	Exp%	Act%
166.10	100.00	100.00
165.10	94.50	91.60
82.60	15.40	13.72
0.00	0.00	0.00

003812

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

15.655min (-0.023) 0.26 ng/uL

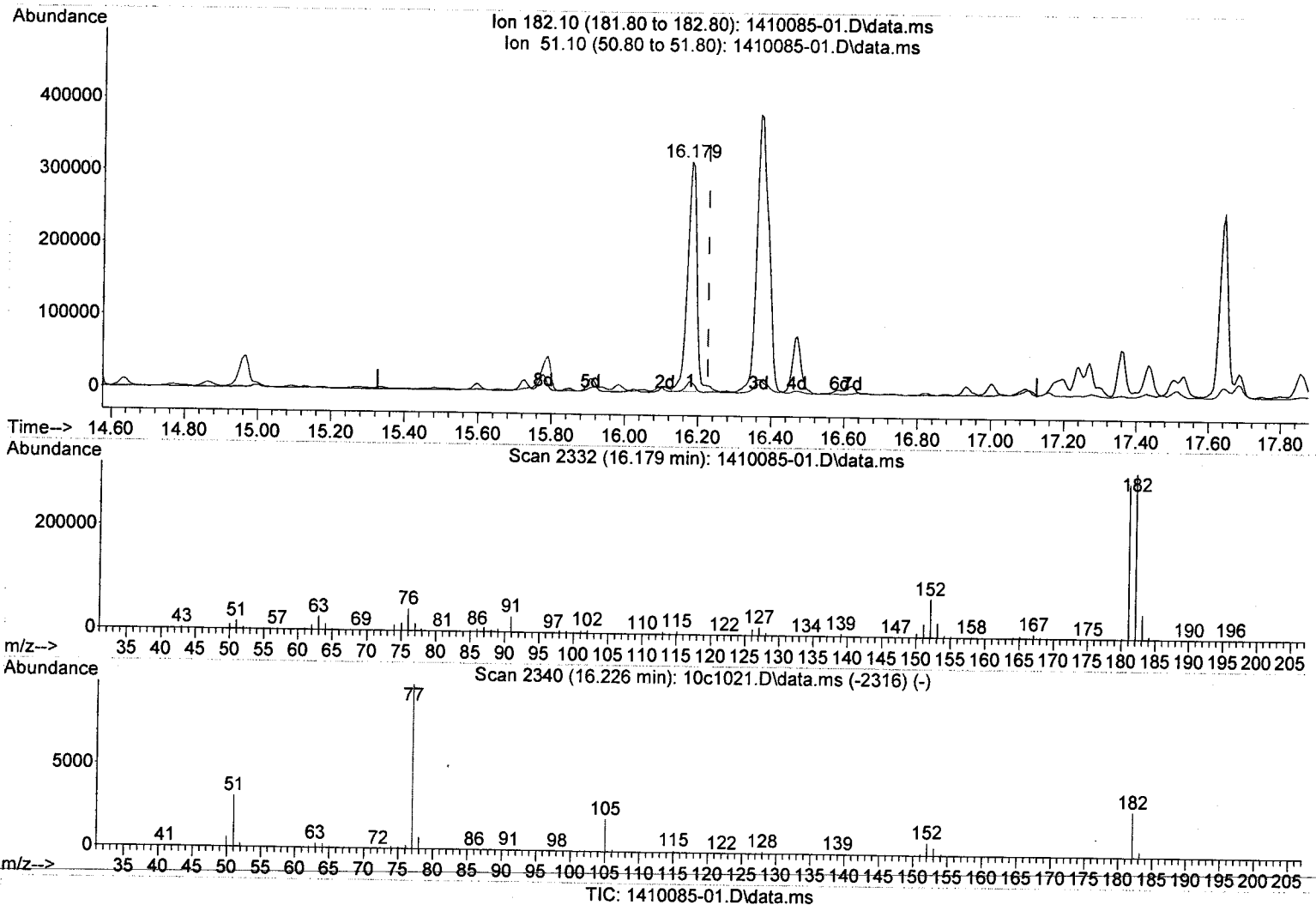
response 56722

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	23.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(69) 1,2-Diphenylhydrazine

16.179min (-0.047) 8.83 ng/uL

response 566862

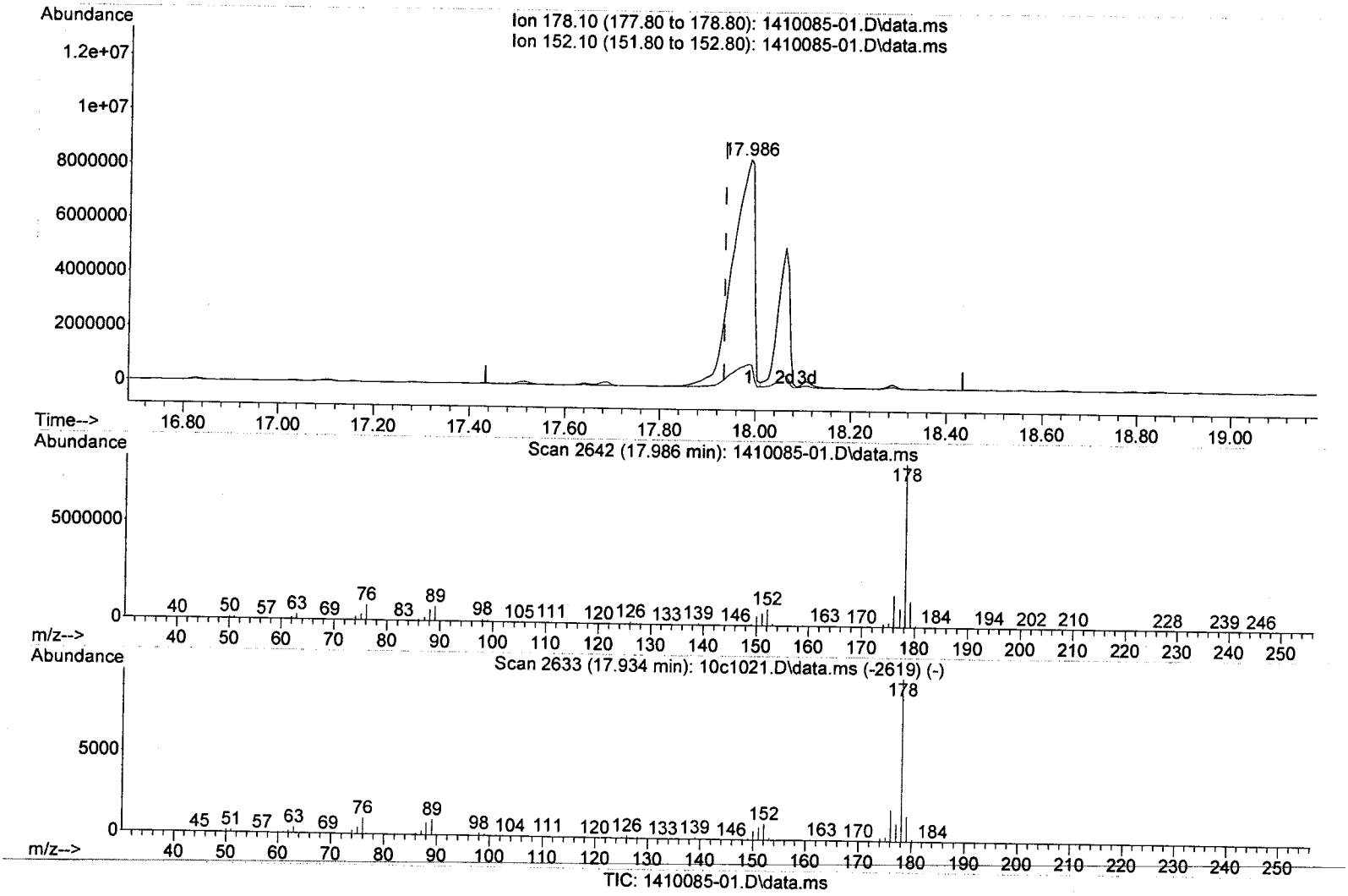
Ion	Exp%	Act%
182.10	100.00	100.00
51.10	127.80	4.49#
0.00	0.00	0.00
0.00	0.00	0.00

PS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(75) Phenanthrene

17.986min (+ 0.053) 86.15 ng/uL

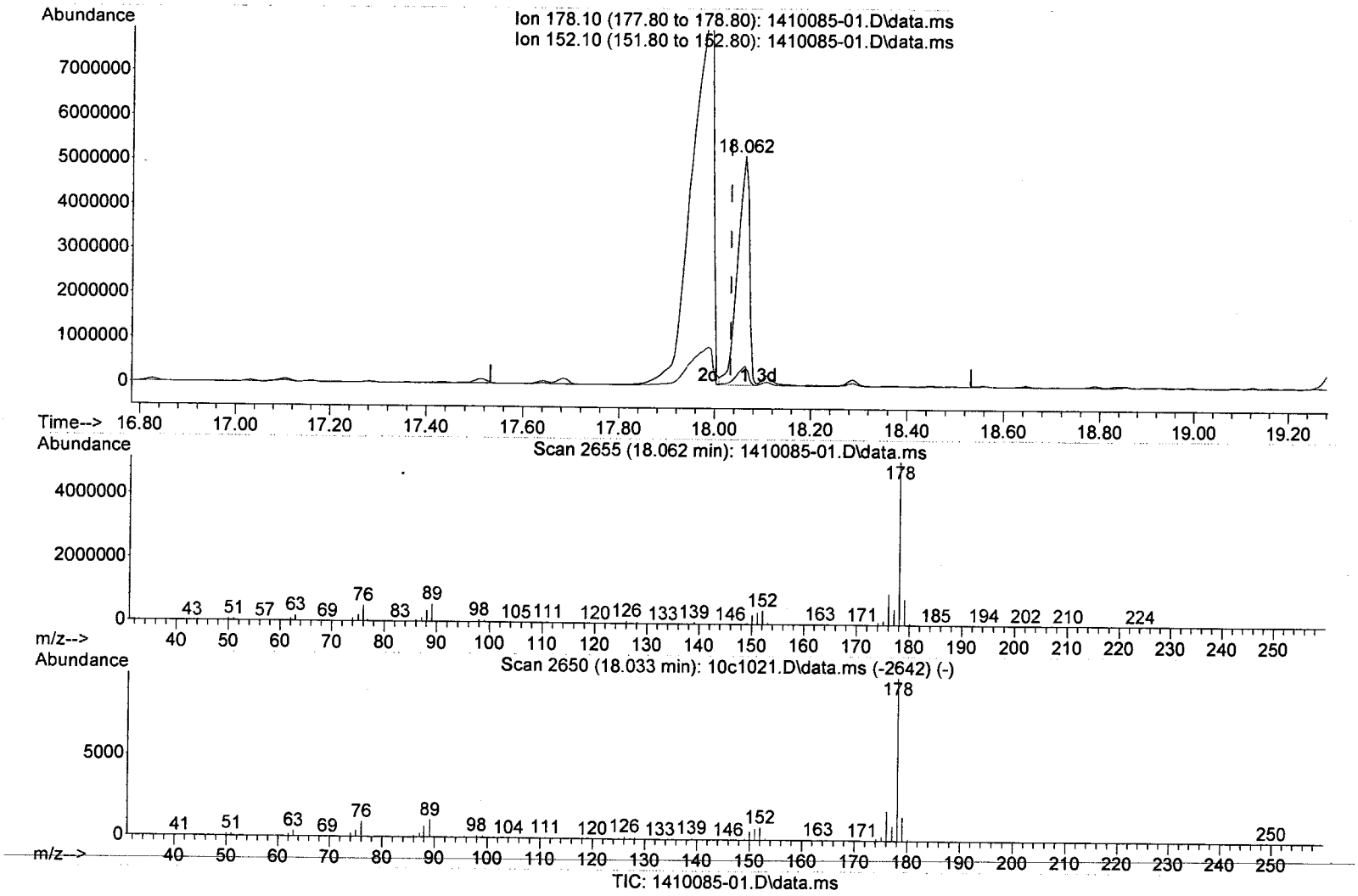
response 26719639

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	10.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(76) Anthracene

18.062min (+ 0.029) 29.09 ng/uL

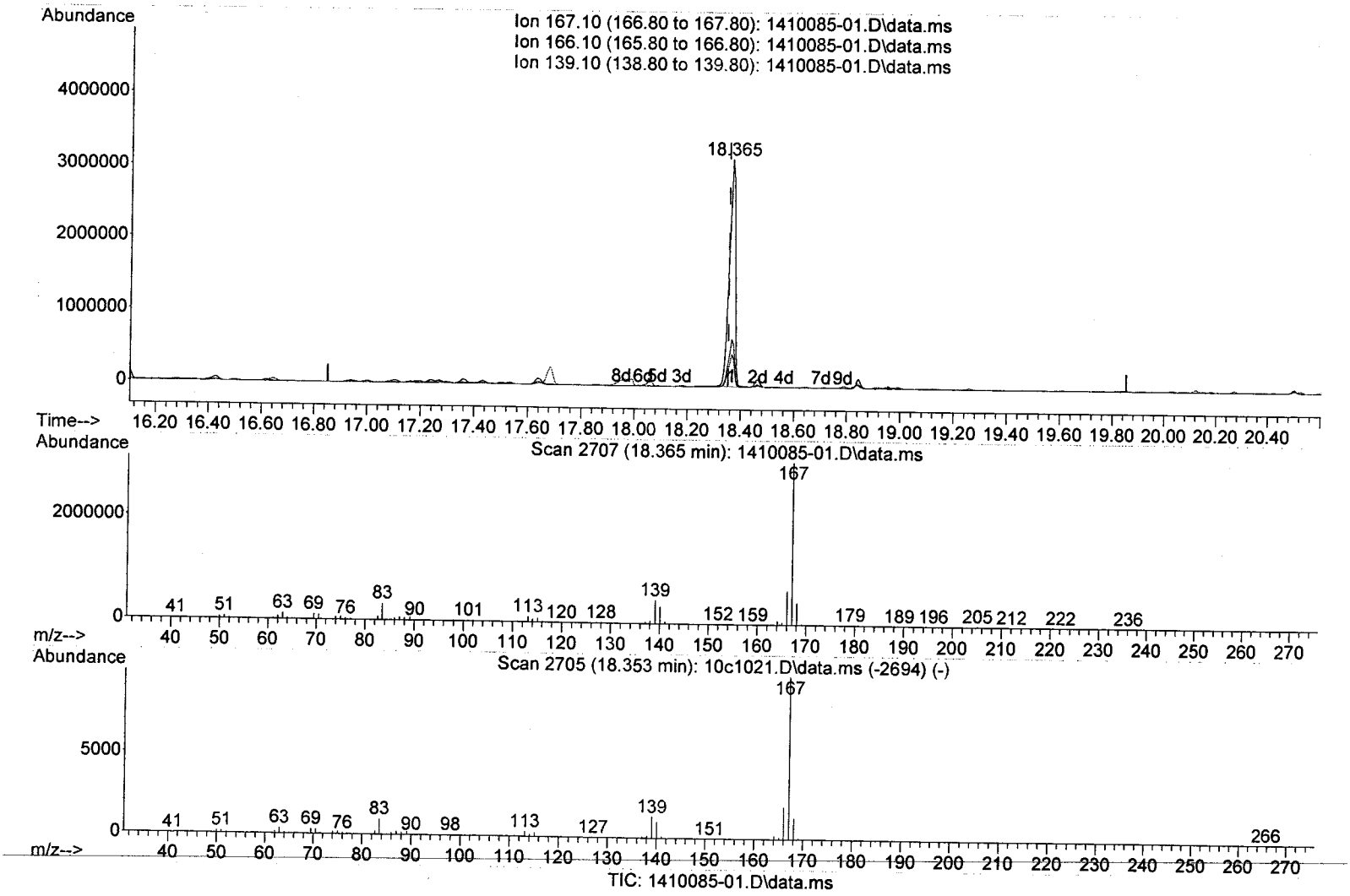
response 8707318

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	7.90	8.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(77) Carbazole

18.365min (+ 0.012) 19.16 ng/uL

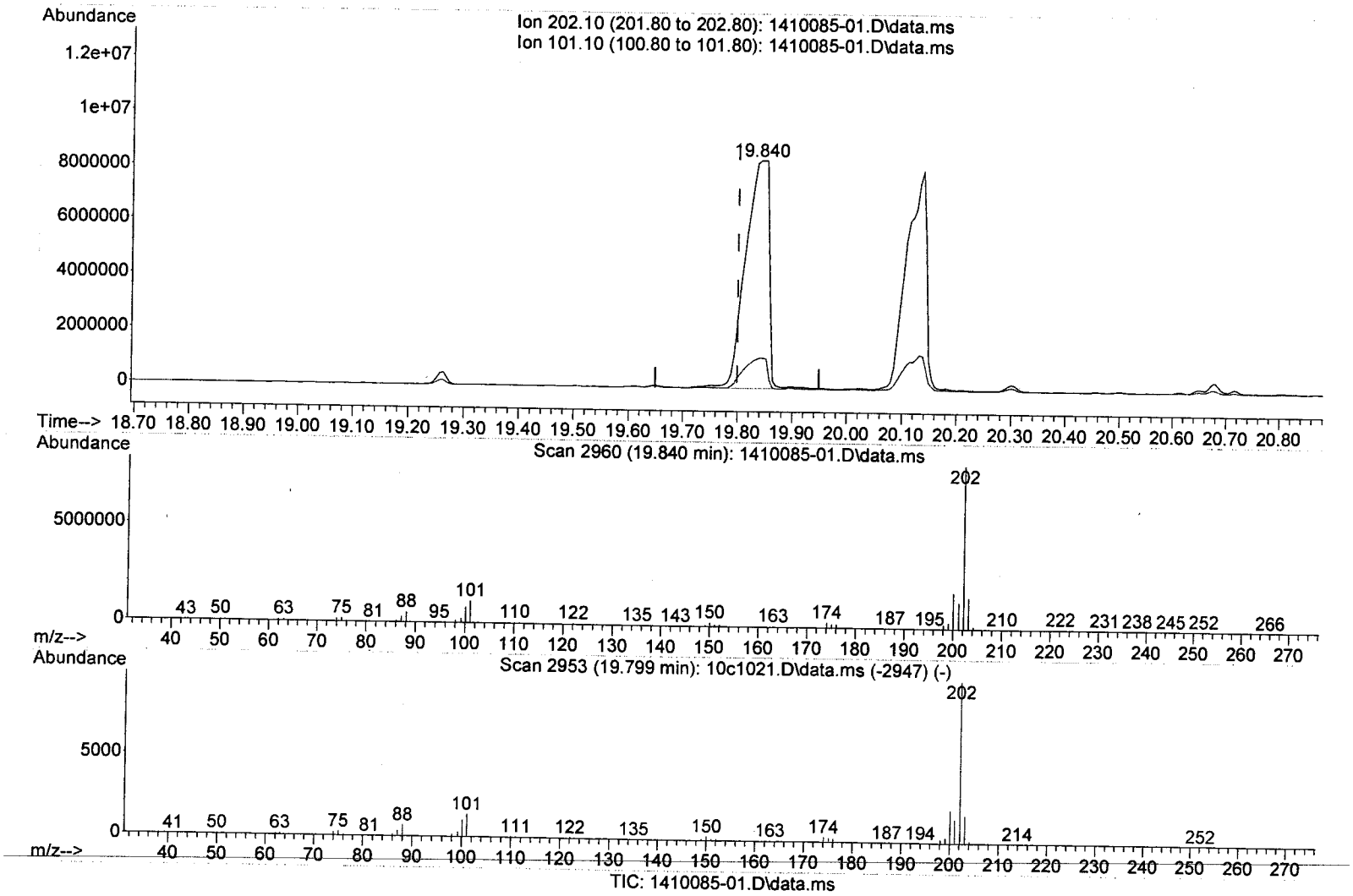
response 4945531

Ion	Exp%	Act%
167.10	100.00	100.00
166.10	20.80	20.85
139.10	13.20	13.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(80) Fluoroanthene (C)

19.840min (+ 0.041) 83.89 ng/uL

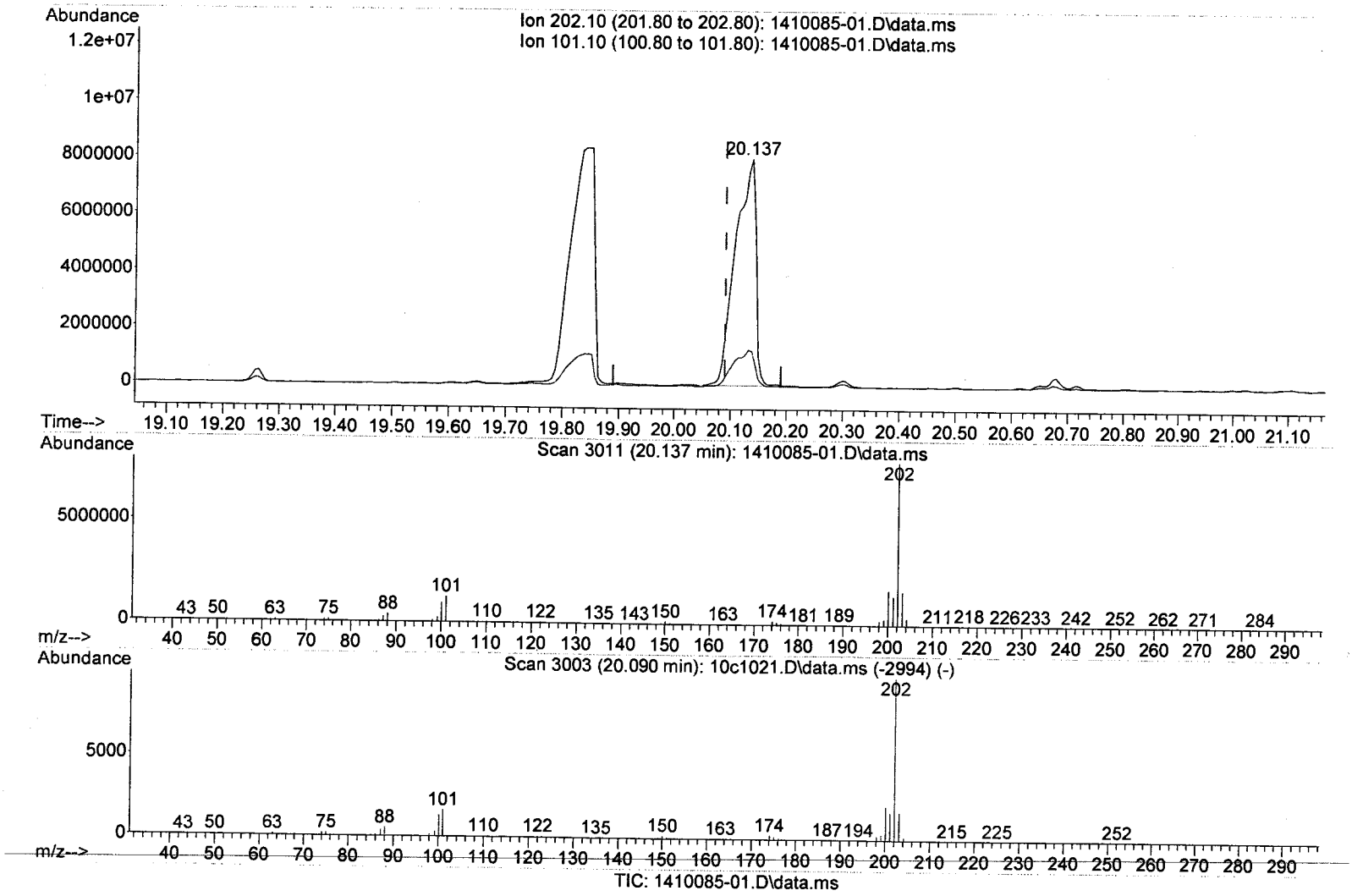
response 24821951

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	13.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(82) Pyrene

20.137min (+ 0.047) 126.89 ng/uL

response 20128899

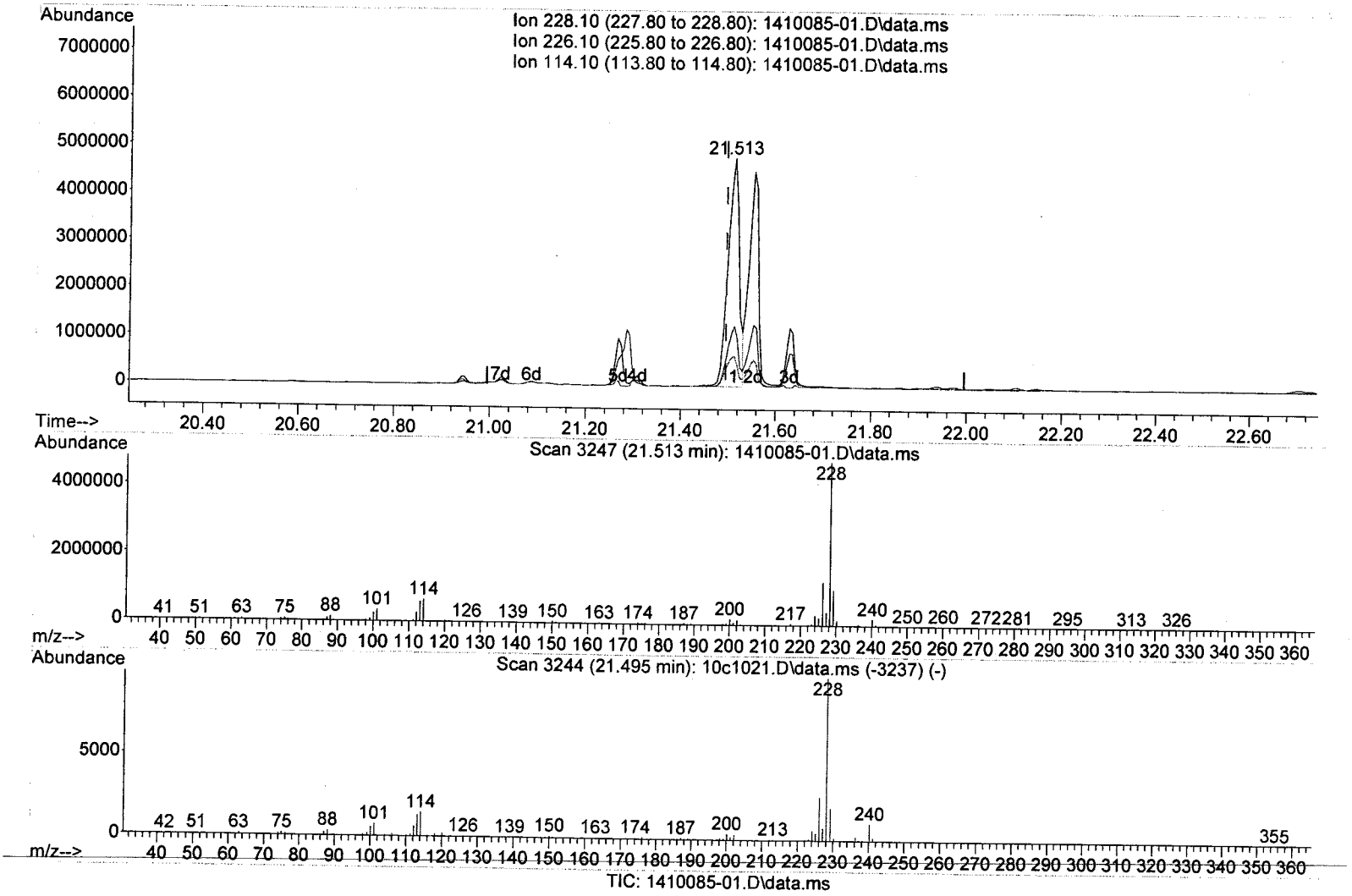
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	17.12
0.00	0.00	0.00
0.00	0.00	0.00

003819

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(85) Benzo(a)anthracene

21.513min (+ 0.018) 64.65 ng/uL

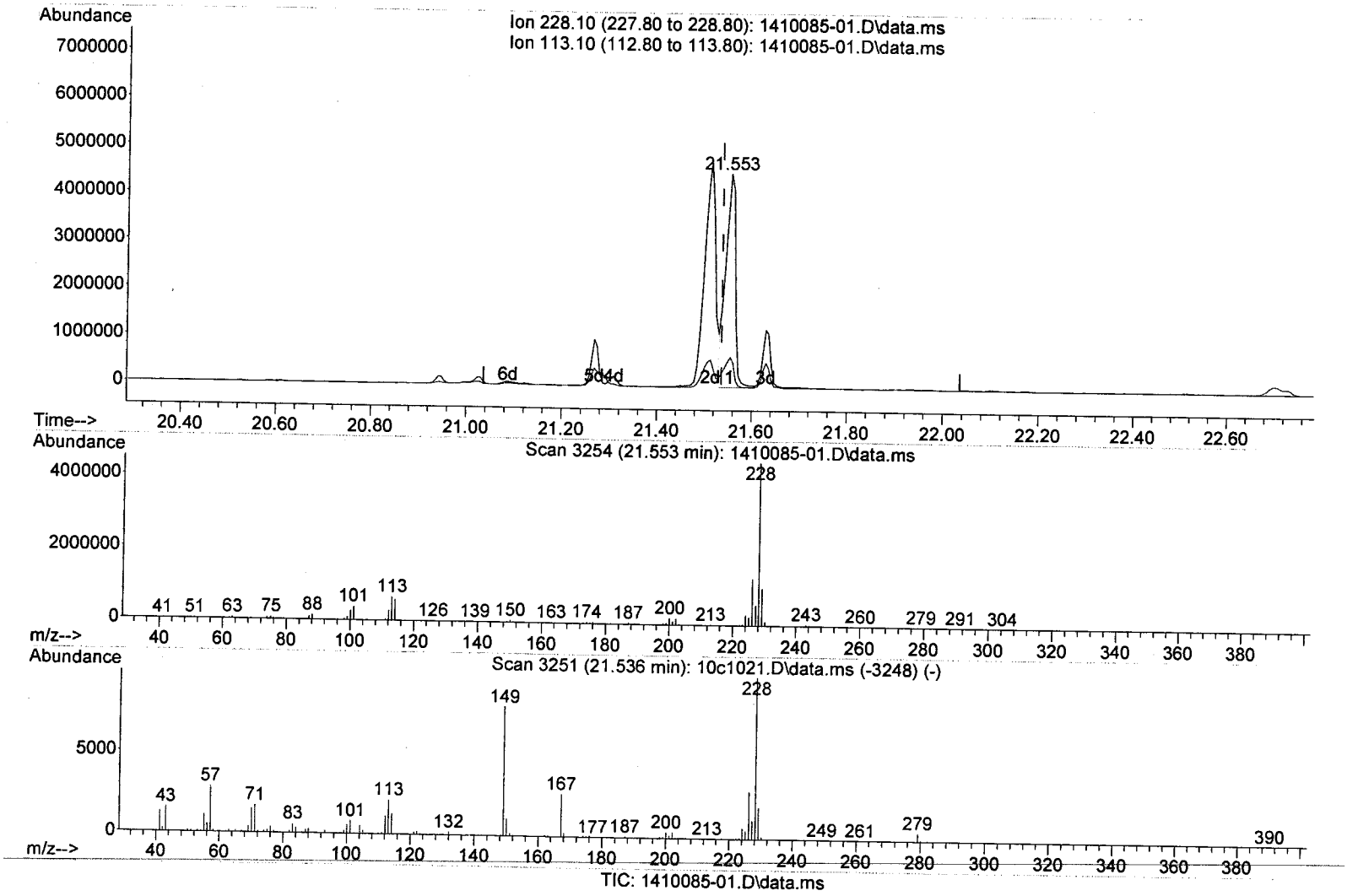
response 7879673

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	26.81
114.10	13.30	14.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(86) Chrysene

21.553min (+ 0.018) 53.74 ng/uL

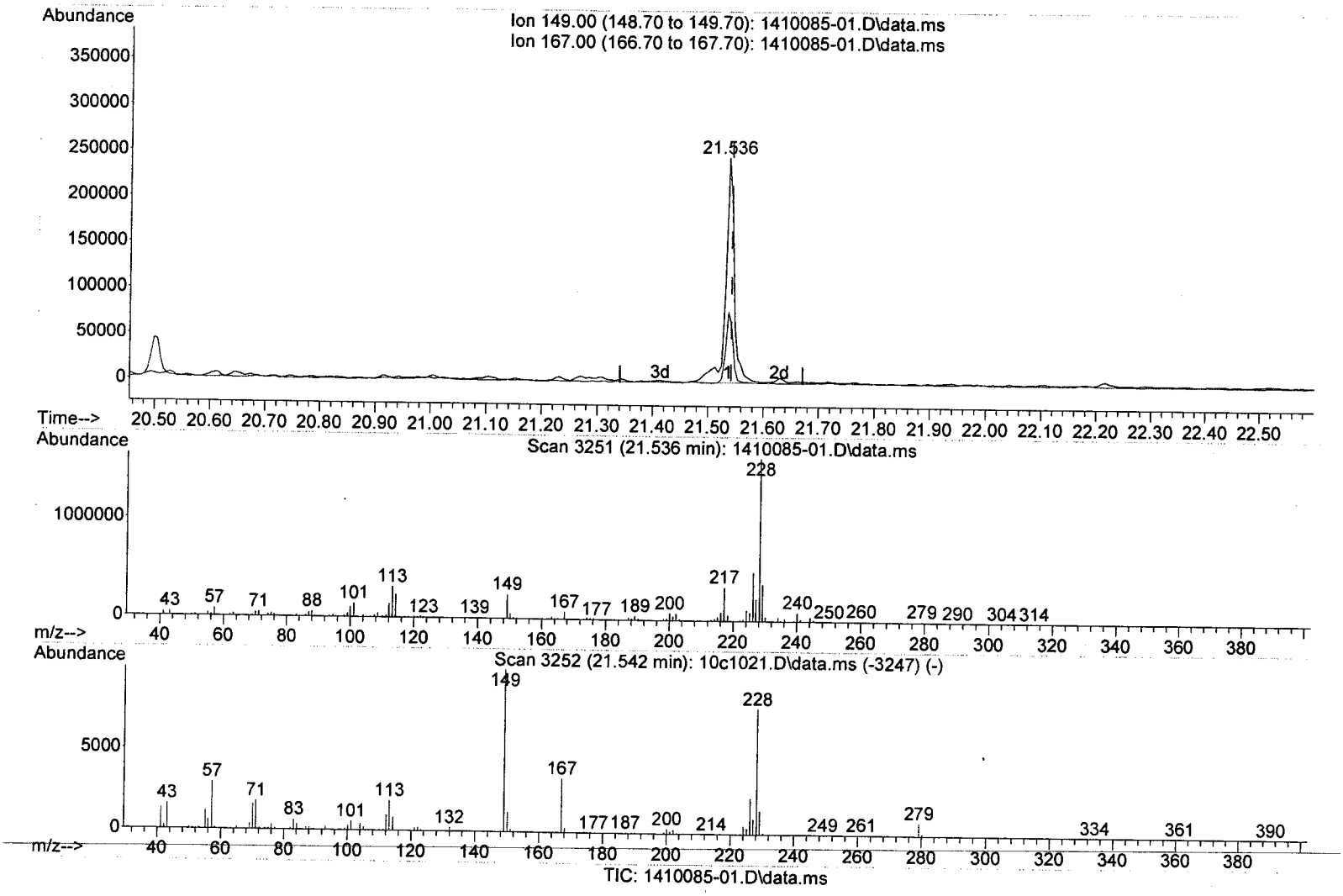
response 6399363

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	14.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.536min (-0.006) 3.32 ng/uL

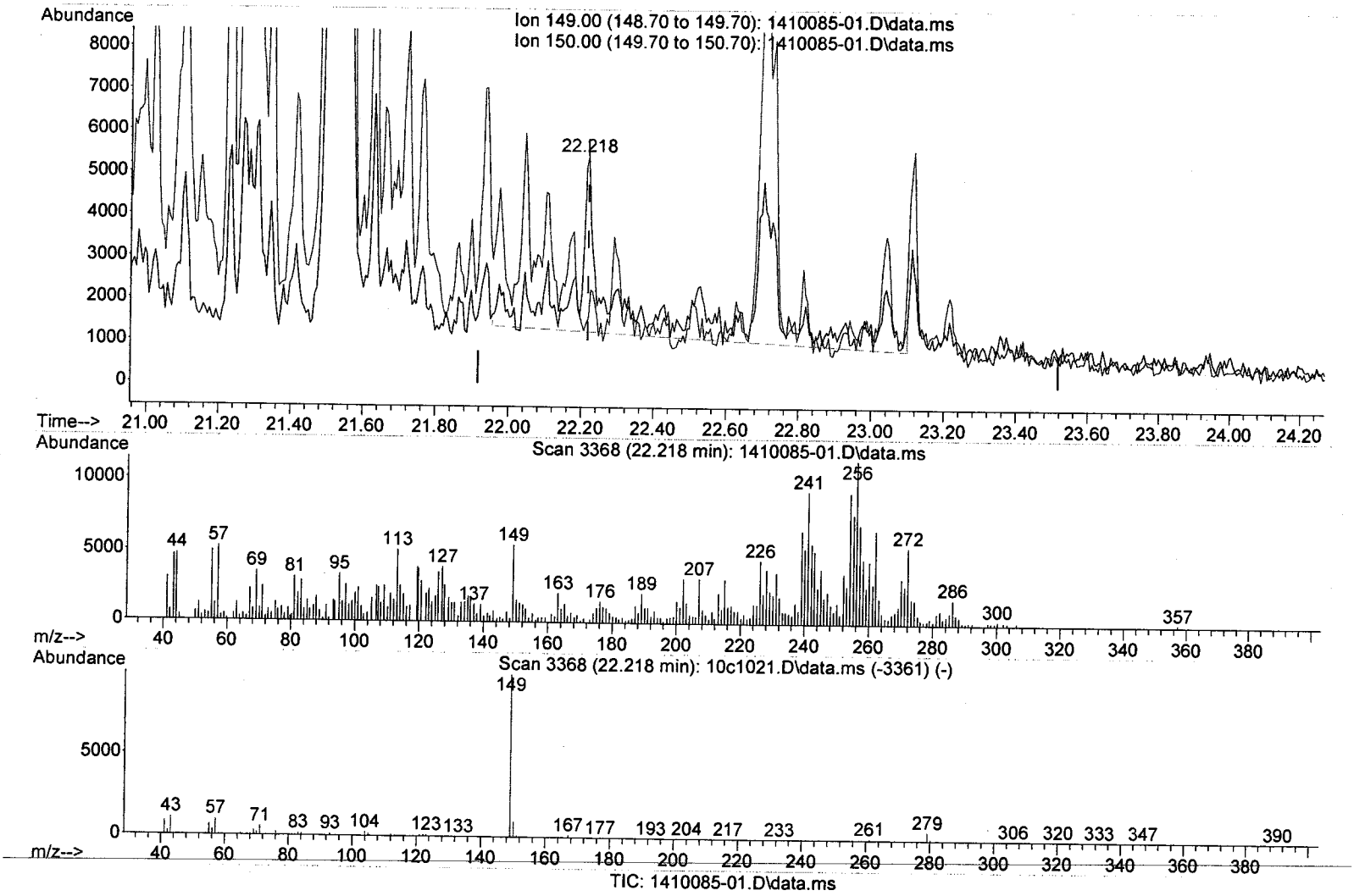
response 266623

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	26.93
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.218min (+ 0.000) 0.66 ng/uL

response 47768

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	1.72#
0.00	0.00	0.00
0.00	0.00	0.00

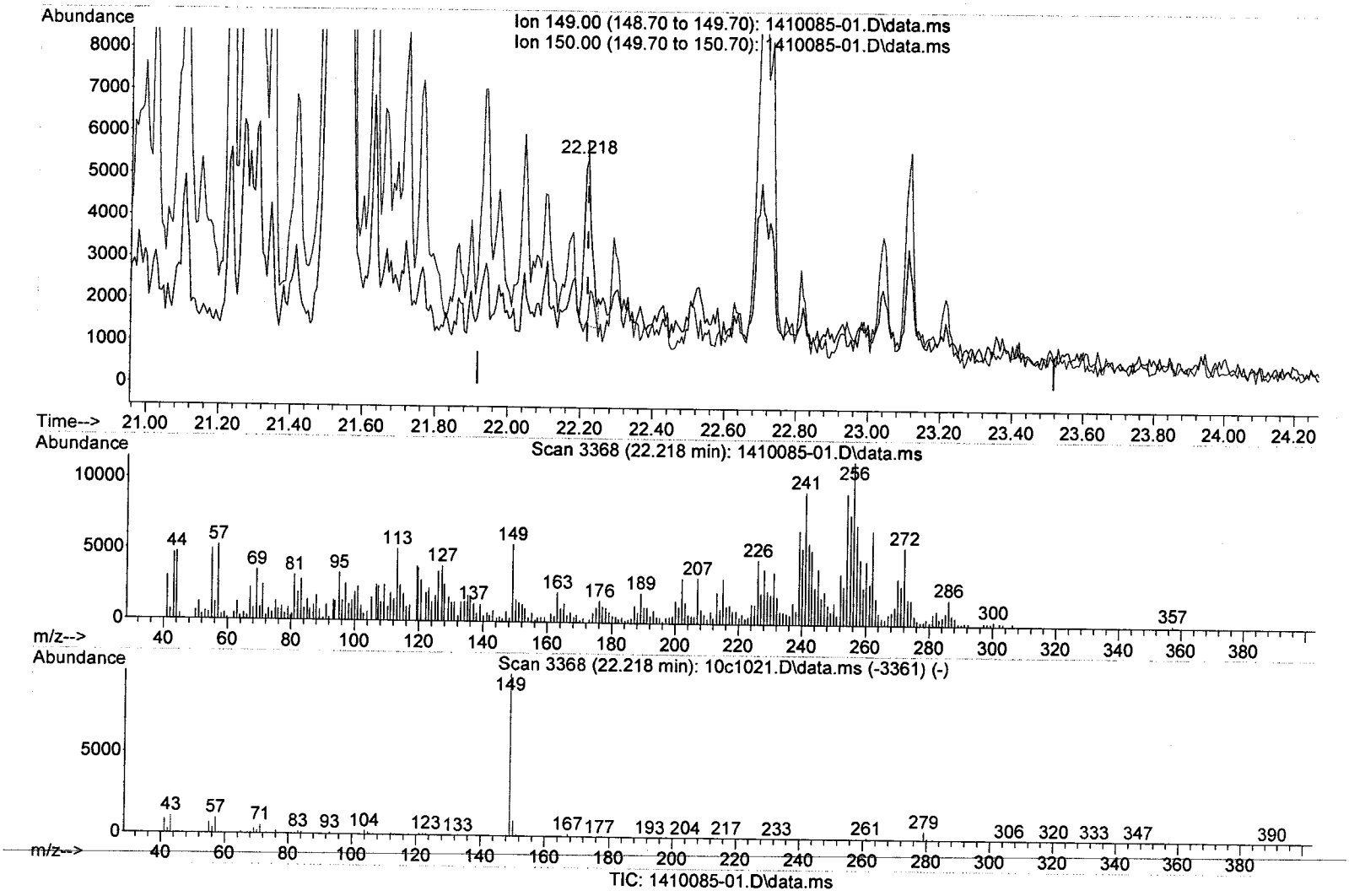
DWS
RT. 22.24

JVS 10/22/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.218min (+ 0.000) 0.38 ng/uL m

response 5919

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	13.90#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

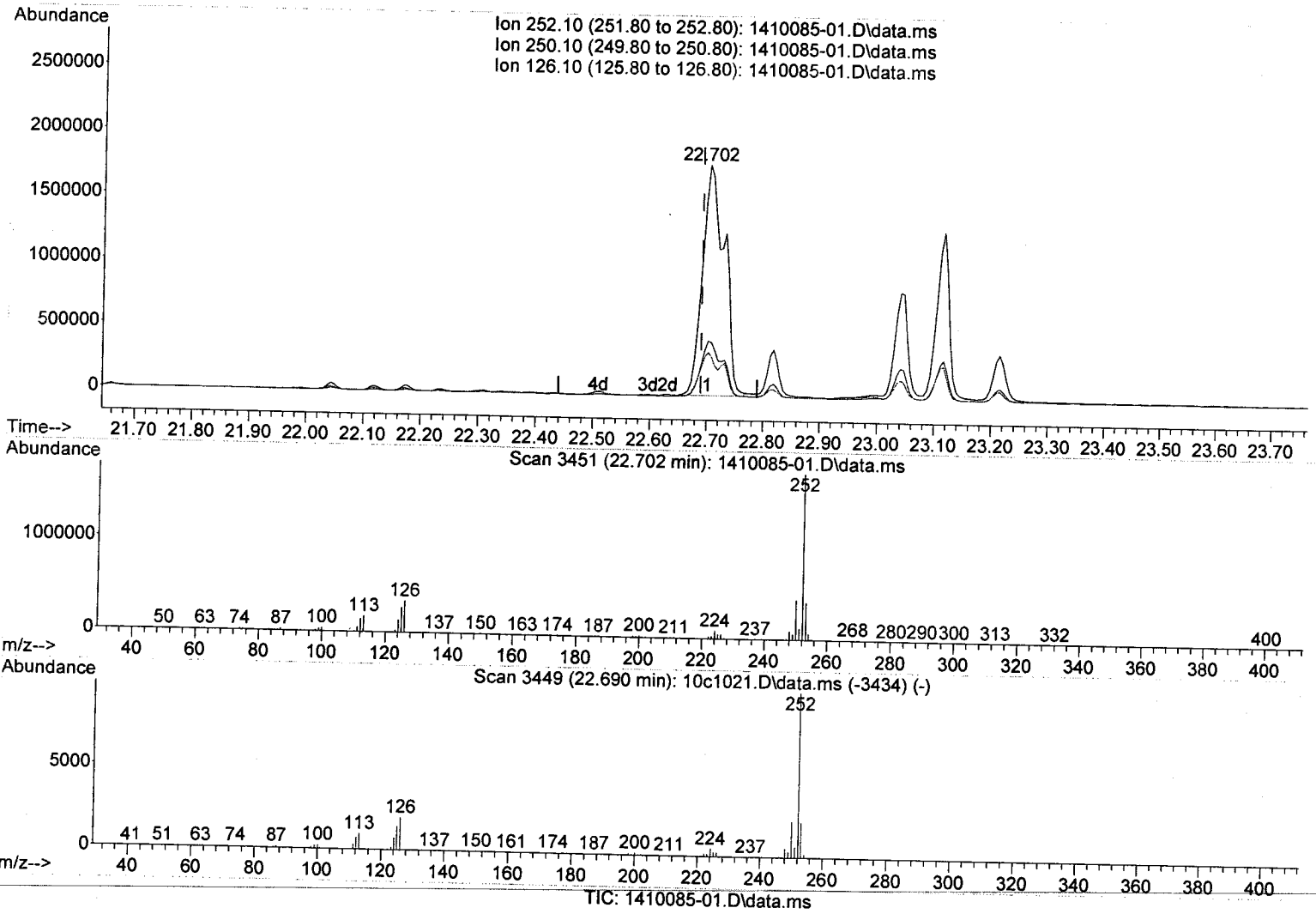
Analyst: _____ Date: 10/22/14

Reviewed By: _____ Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.702min (+ 0.012) 119.67 ng/uL

response 4735459

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	23.90
126.10	17.20	19.18
0.00	0.00	0.00

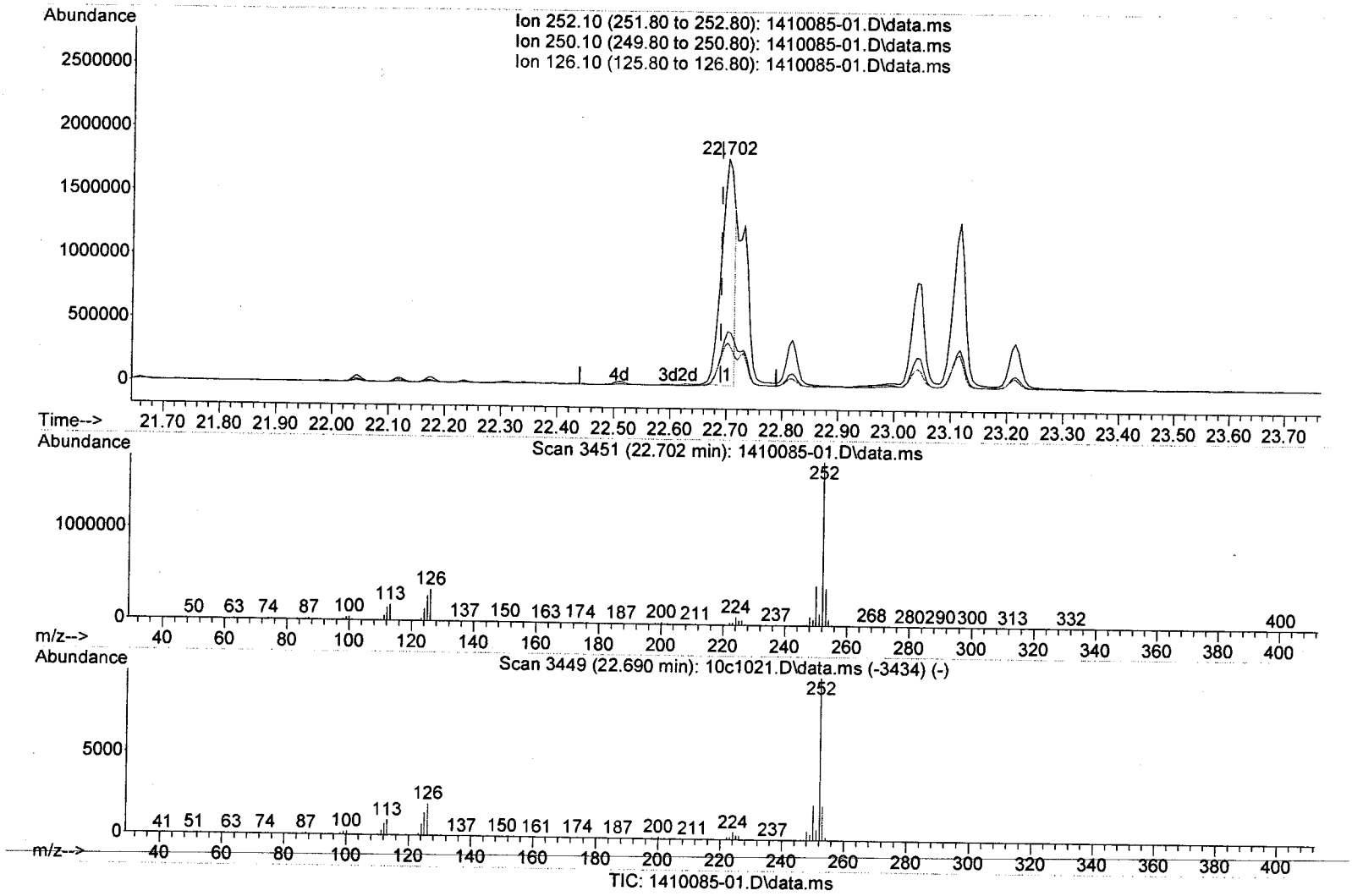
SW 10/22/14

Dw 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.702min (+ 0.012) 74.73 ng/uL m

response 2957160

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	38.27#
126.10	17.20	30.71#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: Date: 10/22/14

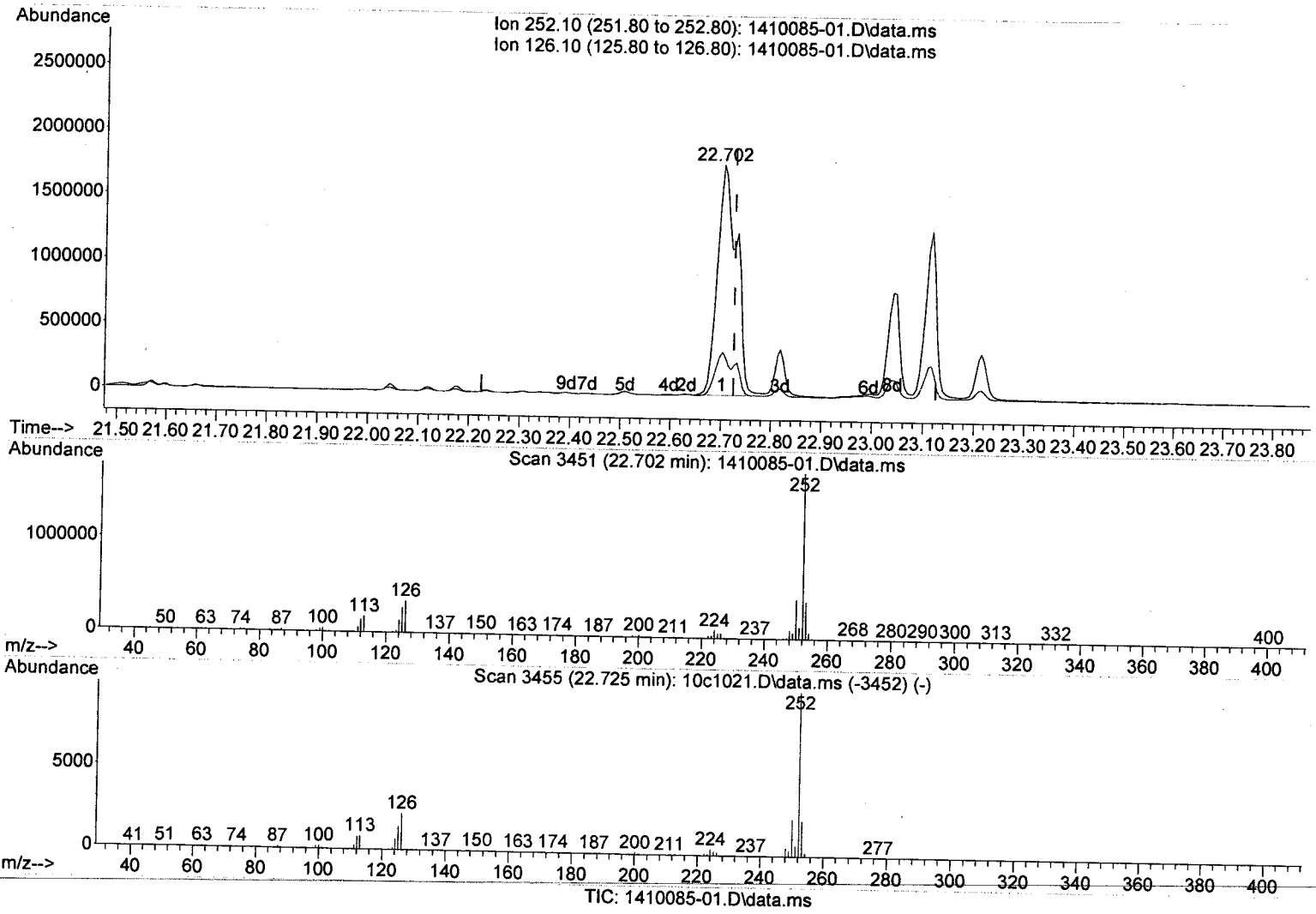
Reviewed By: Date: 10-22-14

003826

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-01.D\data.ms

(91) Benzo(k)fluoranthene

22.702min (-0.023) 106.39 ng/uL

response 4755545

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	19.21
0.00	0.00	0.00
0.00	0.00	0.00

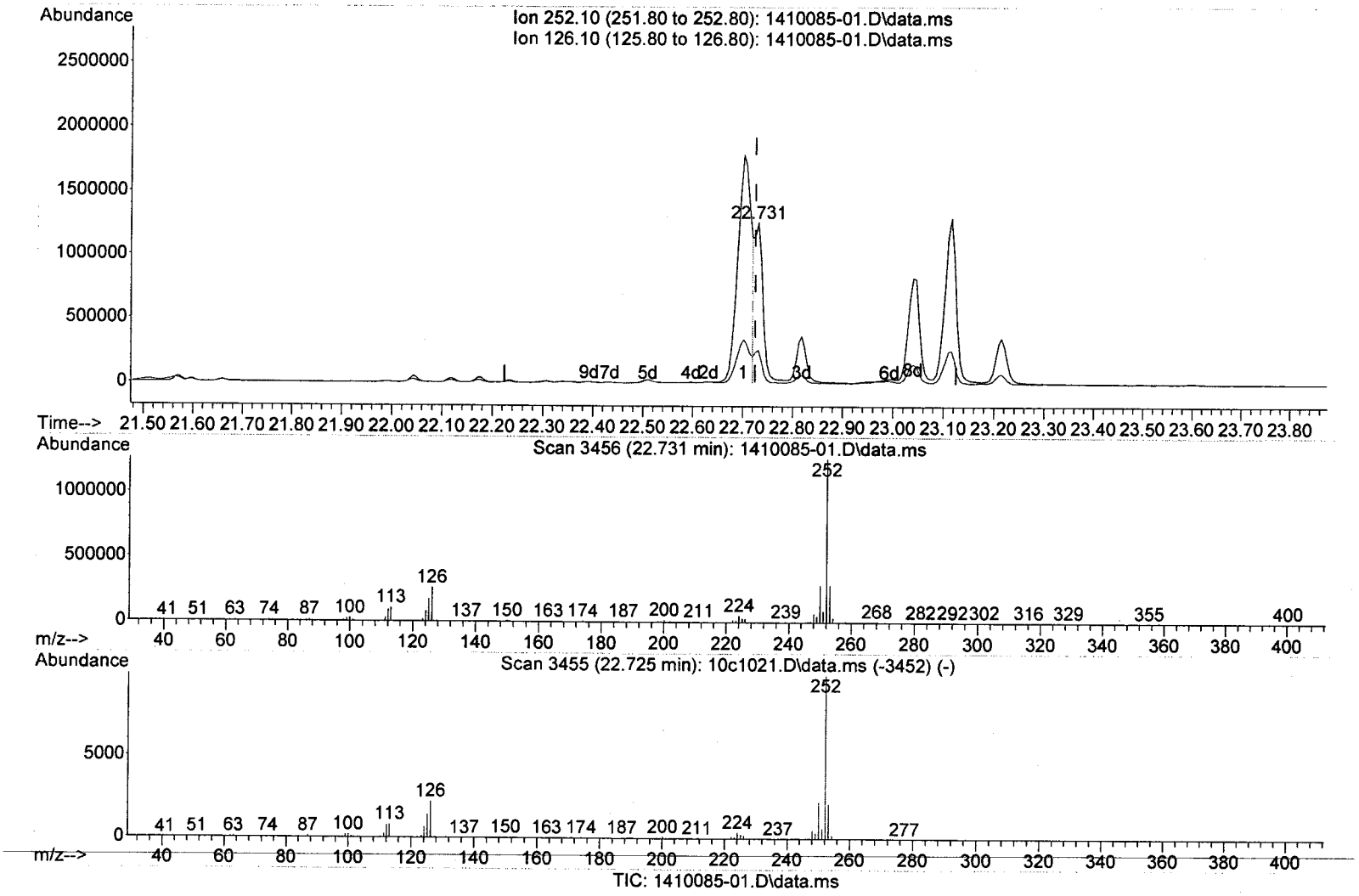
DW 10-22-14

JLB 10/22/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.731min (+ 0.006) 32.01 ng/uL m

response 1430638

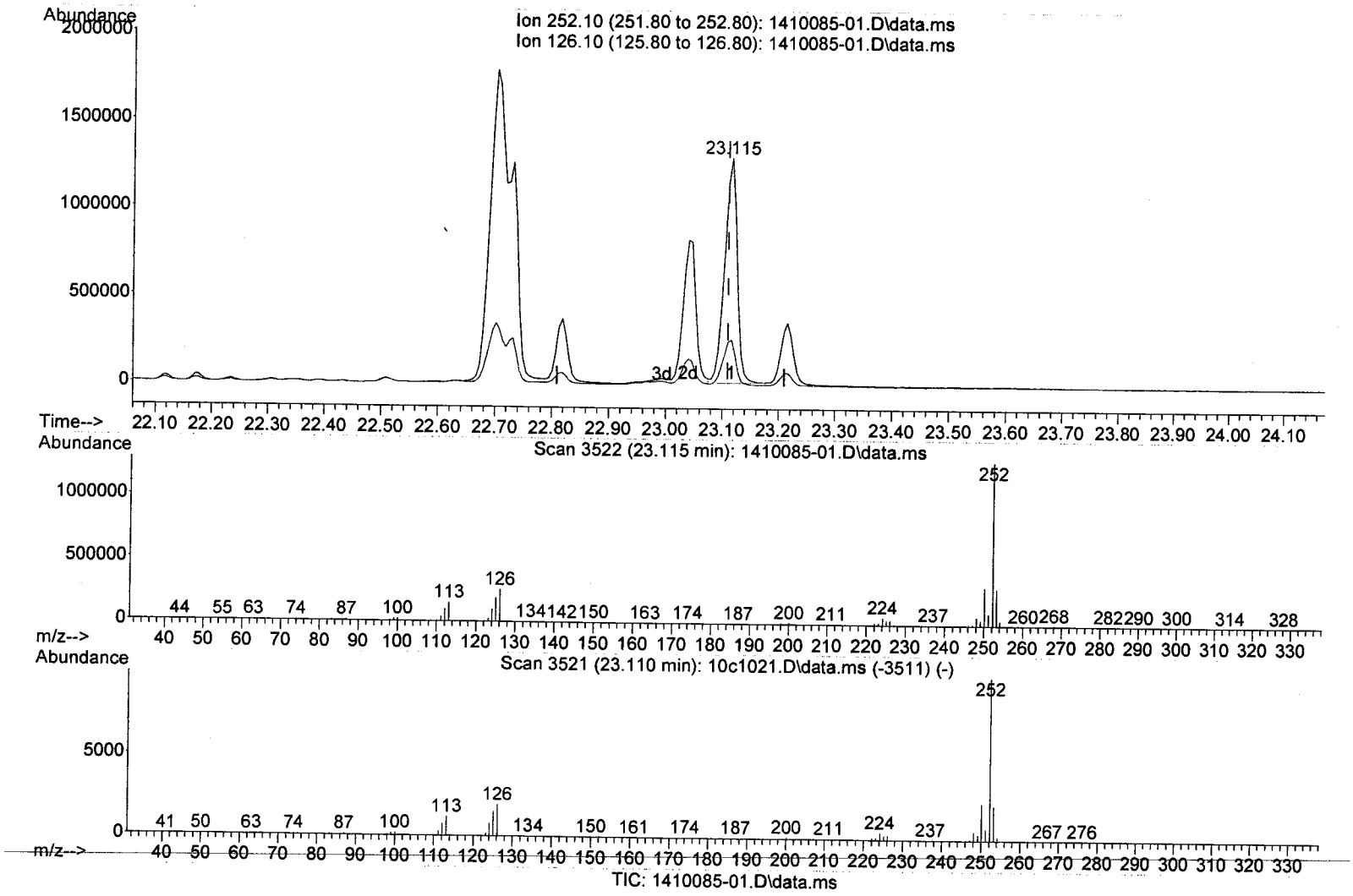
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	63.87#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: Date: 10/22/14
Reviewed By: Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

23.115min (+ 0.006) 51.71 ng/uL

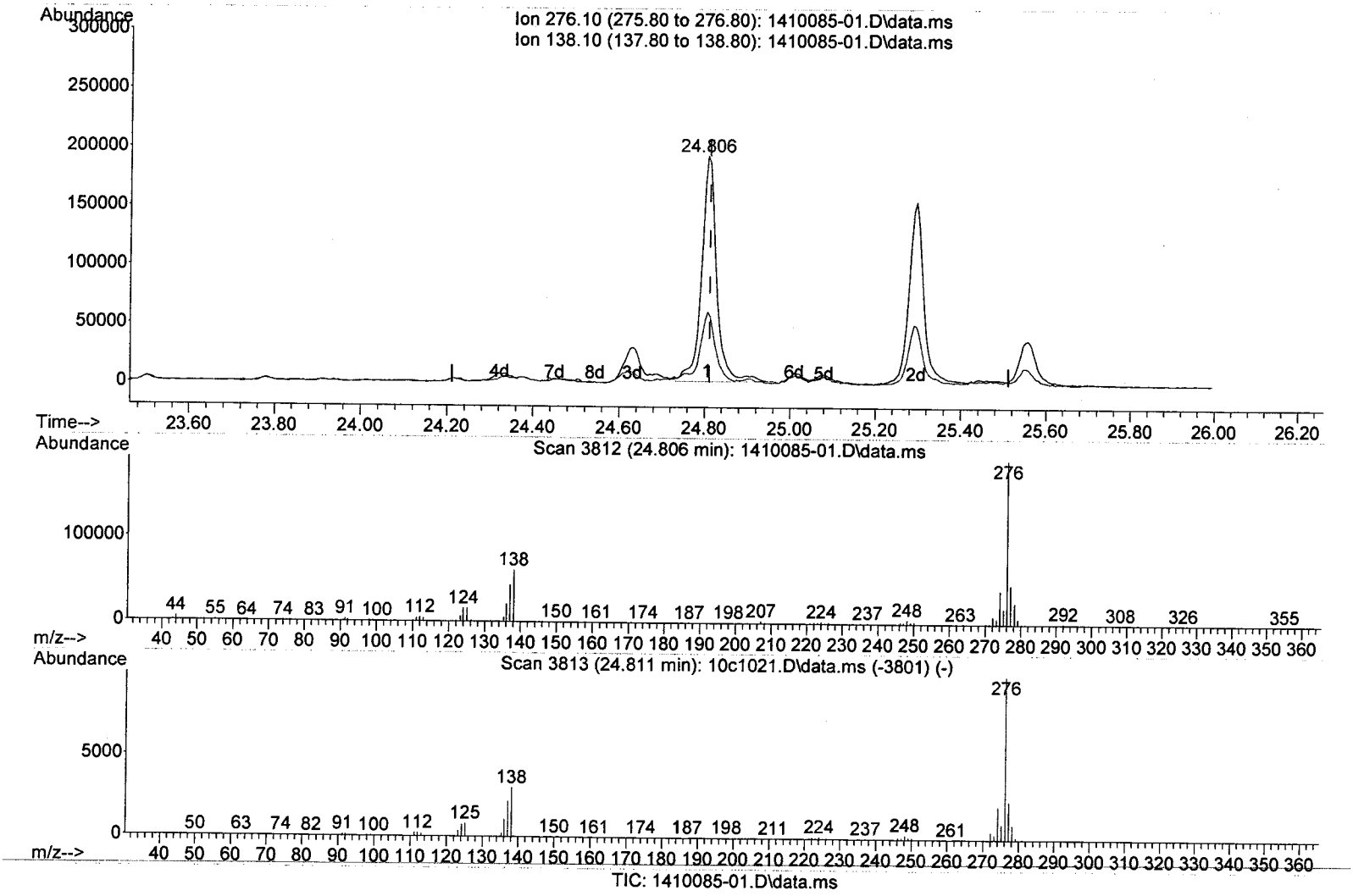
response 1929572

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	20.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(93) Indeno(1,2,3-cd)pyrene

24.806min (-0.006) 14.71 ng/uL

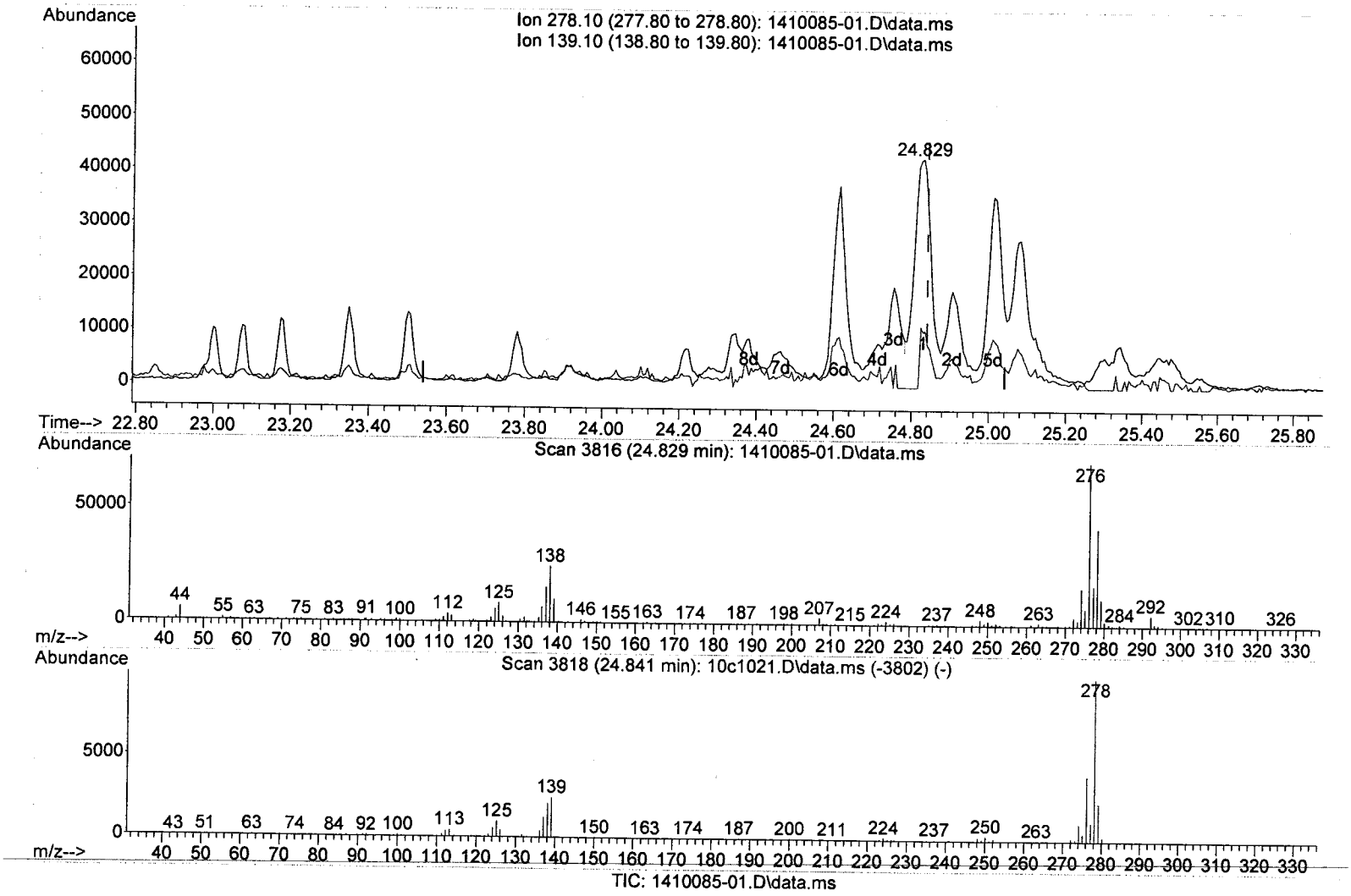
response 474861

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	35.12#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(94) Dibdenz(a,h)anthracene

24.829min (-0.012) 3.70 ng/uL

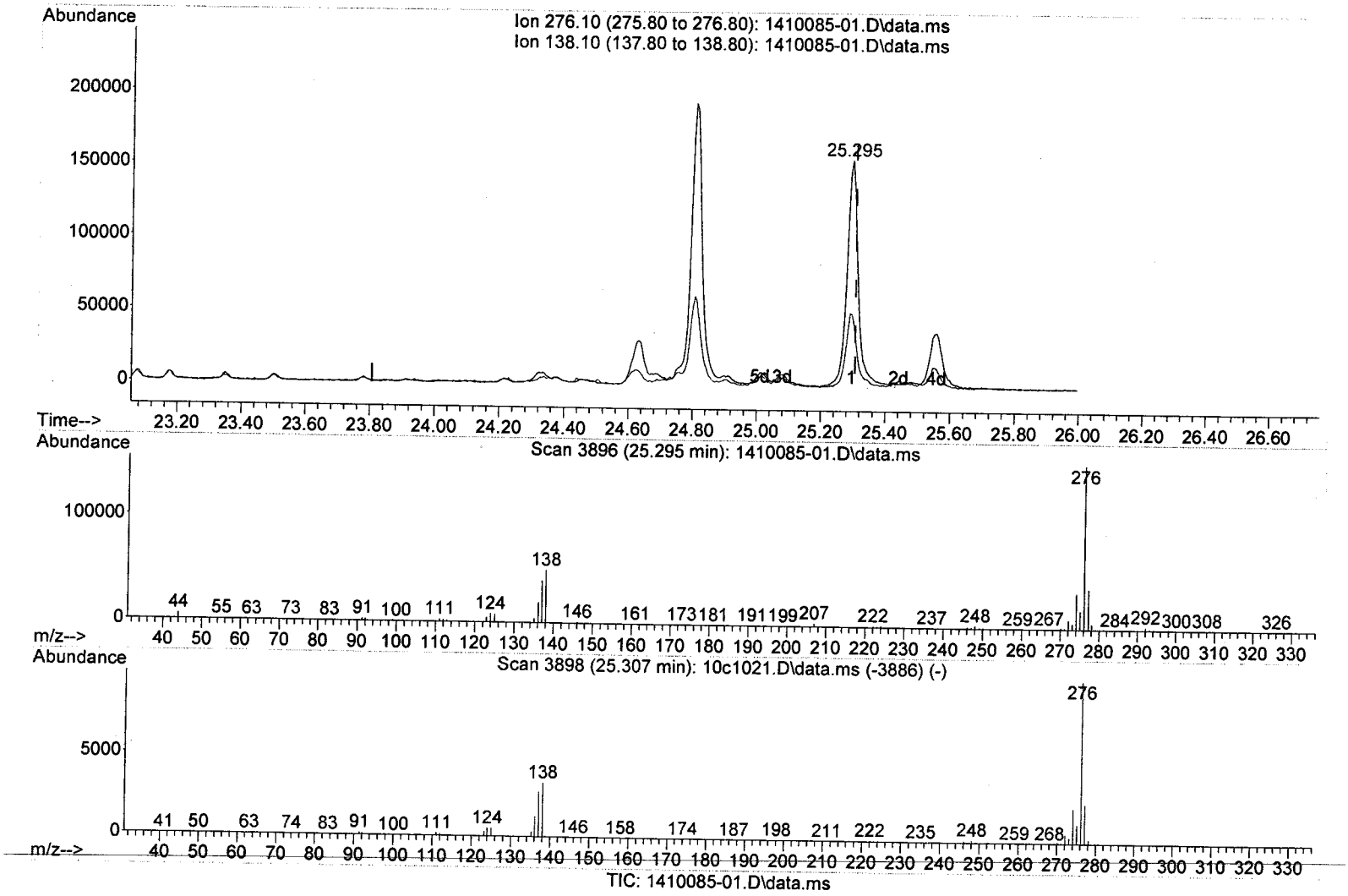
response 97553

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	22.42#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-01.D
Acq On : 21 Oct 2014 23:02
Operator : JLB
Sample : 1410085-01 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 08:25:07 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.295min (-0.012) 14.05 ng/uL

response 391045

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	33.04#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB34-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-01RE1 File ID: 1410085-01 10x.D

Sampled: 10/01/14 09:10 Prepared: 10/09/14 07:32 Analyzed: 10/22/14 13:07

Solids: 95.99 Preparation: 3550C Sonication Extract Initial/Final: 29.8 grams / 1 mL

QC Batch: 1410920 Sequence: 4J22044 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	10	1400	48	170	170	
208-96-8	Acenaphthylene	10	170	43	170	170	U
120-12-7	Anthracene	10	1400	42	170	170	
56-55-3	Benzo(a)anthracene	10	2700	29	87	170	
50-32-8	Benzo(a)pyrene	10	2100	24	87	170	
205-99-2	Benzo(b)fluoranthene	10	2800	20	87	170	
207-08-9	Benzo(k)fluoranthene	10	1200	20	87	170	
191-24-2	Benzo(g,h,i)perylene	10	800	20	87	350	
65-85-0	Benzoic Acid	10	1700	720	1700	3500	U
100-51-6	Benzyl Alcohol	10	170	48	170	170	U
101-55-3	4-Bromophenyl Phenyl Ether	10	170	42	170	170	U
85-68-7	Butyl Benzyl Phthalate	10	170	42	170	350	U
86-74-8	Carbazole	10	840	42	170	1700	J
59-50-7	4-Chloro-3-methylphenol	10	170	52	170	170	U
106-47-8	4-Chloroaniline	10	170	92	170	690	U
111-91-1	Bis(2-chloroethoxy)methane	10	170	42	170	170	U
111-44-4	Bis(2-chloroethyl) Ether	10	170	41	170	170	U
108-60-1	Bis(2-chloroisopropyl) Ether	10	87	38	87	170	U
91-58-7	2-Chloronaphthalene	10	170	51	170	170	U
95-57-8	2-Chlorophenol	10	170	41	170	170	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	170	40	170	170	U
218-01-9	Chrysene	10	2600	41	170	170	
53-70-3	Dibenz(a,h)anthracene	10	200	20	87	350	J
132-64-9	Dibenzofuran	10	550	51	170	170	
84-74-2	Di-n-butyl Phthalate	10	350	140	350	690	U
106-46-7	1,4-Dichlorobenzene	10	170	50	170	170	U
95-50-1	1,2-Dichlorobenzene	10	170	57	170	170	U
541-73-1	1,3-Dichlorobenzene	10	170	59	170	170	U
91-94-1	3,3′-Dichlorobenzidine	10	6900	2900	6900	8700	U
120-83-2	2,4-Dichlorophenol	10	170	43	170	350	U
84-66-2	Diethyl Phthalate	10	170	50	170	170	U
105-67-9	2,4-Dimethylphenol	10	1400	380	1400	1700	U
131-11-3	Dimethyl Phthalate	10	170	49	170	170	U
534-52-1	4,6-Dinitro-2-methylphenol	10	690	220	690	1700	U
51-28-5	2,4-Dinitrophenol	10	1700	580	1700	1700	U
606-20-2	2,6-Dinitrotoluene	10	87	42	87	170	U
121-14-2	2,4-Dinitrotoluene	10	87	34	87	350	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB34-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-01RE1
File ID: 1410085-01 10x.D
Sampled: 10/01/14 09:10
Prepared: 10/09/14 07:32
Analyzed: 10/22/14 13:07
Solids: 95.99
Preparation: 3550C Sonication Extract
Initial/Final: 29.8 grams / 1 mL
QC Batch: 1410920
Sequence: 4J22044
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	10	140	40	170	170	JB
122-66-7	1,2-Diphenylhydrazine	10	87	35	87	170	U
117-81-7	Bis(2-ethylhexyl) Phthalate	10	170	120	170	350	U
206-44-0	Fluoranthene	10	5400	47	170	170	
86-73-7	Fluorene	10	910	42	170	350	
118-74-1	Hexachlorobenzene	10	170	49	170	170	U
87-68-3	Hexachlorobutadiene	10	170	48	170	170	U
67-72-1	Hexachloroethane	10	170	52	170	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	800	28	87	350	
78-59-1	Isophorone	10	170	40	170	170	U
91-57-6	2-Methylnaphthalene	10	240	48	170	170	
108-39-4	3+4-Methylphenol	10	87	38	87	170	U
95-48-7	2-Methylphenol	10	87	37	87	170	U
91-20-3	Naphthalene	10	780	58	170	170	
100-01-6	4-Nitroaniline	10	700	260	700	3400	U
88-74-4	2-Nitroaniline	10	87	37	87	170	U
99-09-2	3-Nitroaniline	10	350	170	350	3400	U
98-95-3	Nitrobenzene	10	170	48	170	170	U
88-75-5	2-Nitrophenol	10	170	47	170	170	U
100-02-7	4-Nitrophenol	10	3500	1100	3500	6900	U
62-75-9	N-Nitroso-dimethylamine	10	69	34	69	350	U
86-30-6	N-Nitroso-diphenylamine	10	87	36	87	170	U
621-64-7	N-Nitroso-di-n-propylamine	10	170	42	170	170	U
87-86-5	Pentachlorophenol	10	170	140	170	1700	U
85-01-8	Phenanthrene	10	5000	43	170	170	
108-95-2	Phenol	10	170	41	170	1700	U
129-00-0	Pyrene	10	4300	45	170	170	
120-82-1	1,2,4-Trichlorobenzene	10	170	46	170	170	U
95-95-4	2,4,5-Trichlorophenol	10	170	47	170	170	U
88-06-2	2,4,6-Trichlorophenol	10	87	26	87	170	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	699	577	82	33 - 113	D
Phenol-d6	699	584	84	30 - 115	D
Nitrobenzene-d5	350	269	77	33 - 131	D
2-Fluorobiphenyl	350	308	88	46 - 122	D

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB34-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-01RE1
File ID: 1410085-01 10x.D
Sampled: 10/01/14 09:10
Prepared: 10/09/14 07:32
Analyzed: 10/22/14 13:07
Solids: 95.99
Preparation: 3550C Sonication Extract
Initial/Final: 29.8 grams / 1 mL
QC Batch: 1410920
Sequence: 4J22044
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	699	392	56	12 - 124	D
o-Terphenyl	350	322	92	20 - 155	D

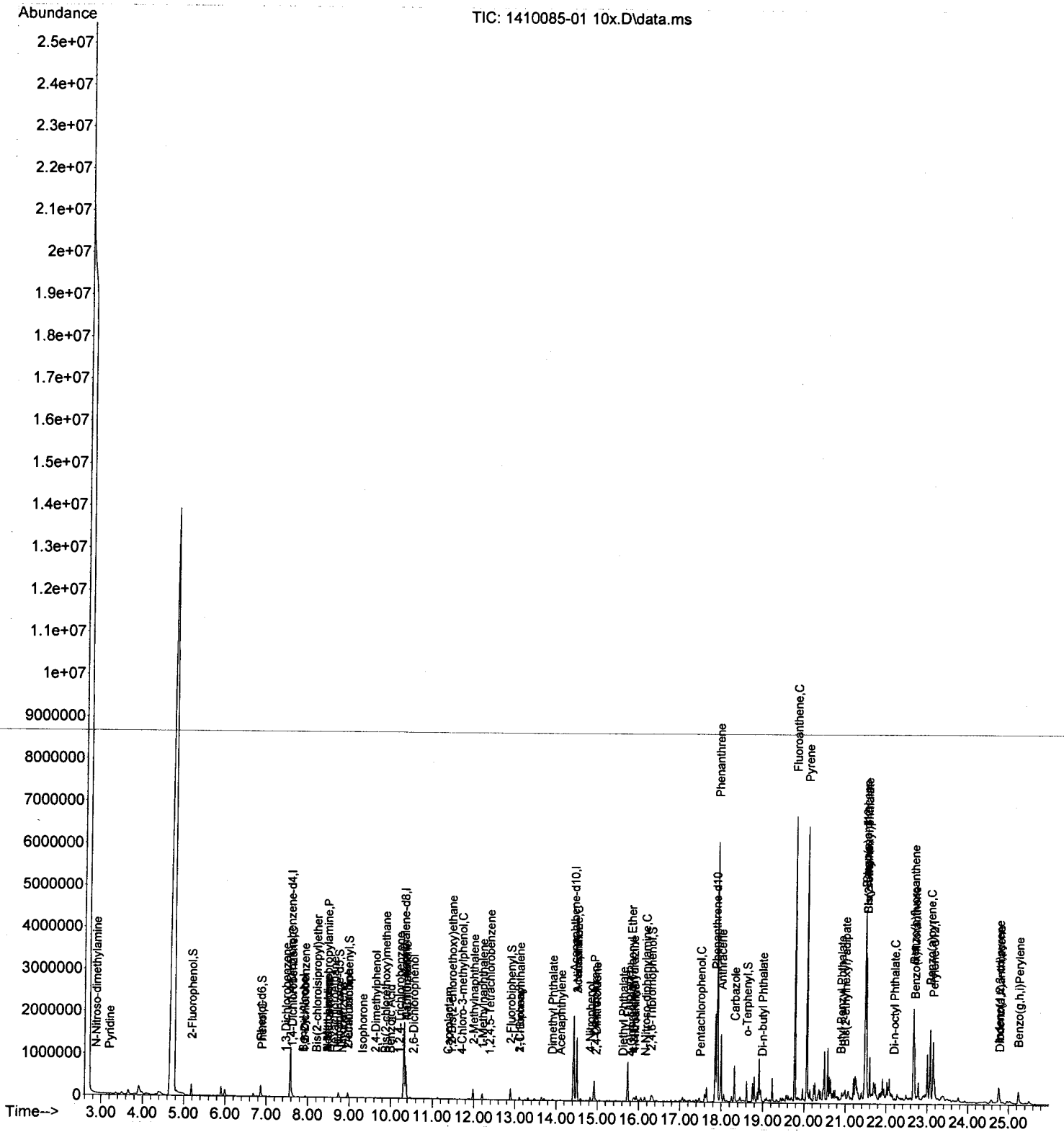
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	364322	7.576	403279	7.614	
Naphthalene-d8	1441074	10.316	1529030	10.359	
Acenaphthene-d10	798850	14.425	866604	14.474	
Phenanthrene-d10	1297731	17.858	1400442	17.901	
Chrysene-d12	1046807	21.483	1153654	21.538	
Perylene-d12	881266	23.144	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:39:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07 rel
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:39:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.576	152	364322	5.00 ng/uL	# 0.00
20) Naphthalene-d8	10.316	136	1441074	5.00 ng/uL	-0.01
42) Acenaphthene-d10	14.425	164	798850	5.00 ng/uL	-0.02
66) Phenanthrene-d10	17.858	188	1297731	5.00 ng/uL	0.00
81) Chrysene-d12	21.483	240	1046807	5.00 ng/uL	# 0.00
89) Perylene-d12	23.144	264	881266	5.00 ng/uL	# 0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.186	112	137409	1.65 ng/uL	0.03
6) Phenol-d6	6.865	99	179866	1.67 ng/uL	-0.02
21) Nitrobenzene-d5	8.736	82	71026	0.77 ng/uL	-0.02
23) Decafluorobiphenyl	8.963	334	47720	0.74 ng/uL	-0.02
47) 2-Fluorobiphenyl	12.886	172	145659	0.88 ng/uL	-0.02
70) 2,4,6-Tribromophenol	16.302	330	22011	1.12 ng/uL	-0.02
78) o-Terphenyl	18.610	230	102872	0.92 ng/uL	0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	2.872	74	203	0.00 ng/uL#	1
3) Pyridine	3.199	79	1471	0.02 ng/uL#	80
5) Aniline	0.000		0	N.D.	
7) Phenol	6.888	94	4932	0.04 ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.	
9) 2-Chlorophenol	0.000		0	N.D.	
10) 1,3-Dichlorobenzene	7.460	146	365	0.00 ng/uL#	4
11) 1,4-Dichlorobenzene	7.611	146	313	0.00 ng/uL#	1
12) 1,2-Dichlorobenzene	7.908	146	146	0.00 ng/uL#	82
13) Bis(2-chloroisipropyl)...	8.200	45	155	0.00 ng/uL#	51
14) Benzyl Alcohol	7.885	108	970	0.02 ng/uL	86
15) 2-Methylphenol	8.468	108	5407	0.06 ng/uL	88
16) Acetophenone	8.468	105	120	0.00 ng/uL#	1
17) Hexachloroethane	8.625	119	795	0.02 ng/uL#	3
18) 4-Methylphenol	8.468	108	5756	0.07 ng/uL#	84
19) N-Nitroso-di-n-propyla...	8.468	70	134	0.00 ng/uL#	1
22) Nitrobenzene	8.818	77	54	0.00 ng/uL#	30
24) Isophorone	9.313	82	209	0.00 ng/uL#	58
25) 2-Chloroaniline	8.957	127	528	0.00 ng/uL#	53
26) 2-Nitrophenol	0.000		0	N.D.	
27) 2,4-Dimethylphenol	9.628	107	3341	0.04 ng/uL	99
28) Bis(2-chlorethoxy)methane	9.861	93	58	0.00 ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.	
30) Benzoic Acid	9.989	105	946	r ~~2.47~~ ng/uL#	20
31) 1,2,4-Trichlorobenzene	10.199	180	158	0.00 ng/uL#	42
32) Naphthalene	10.362	128	638774	2.22 ng/uL	99
33) 4-Chloroaniline	10.362	127	54743	ay ~~0.78~~ ng/uL	96
34) 2,6-Dichlorophenol	10.537	162	141	0.00 ng/uL#	63
35) Hexachlorobutadiene	0.000		0	N.D.	
36) Caprolactam	11.371	55	1521	0.04 ng/uL#	43
37) 1,2-Bis(2-chloroethoxy...	11.458	63	197	0.00 ng/uL#	100
38) 4-Chloro-3-methylphenol	11.703	107	149	0.00 ng/uL#	1
39) 2-Methylnaphthalene	11.983	142	126009	0.69 ng/uL	98
40) 1-Methylnaphthalene	12.204	142	69530	0.42 ng/uL	98
41) 1,3 Dinitrobenzene	13.772	168	795	Below Cal	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:39:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.379	216	74	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.102	162	434	0.00 ng/uL#	1
49) 1,1'-Biphenyl	13.108	154	42019	0.20 ng/uL	96
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.104	152	1036	0.00 ng/uL#	1
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.906	163	514	0.00 ng/uL#	1
54) 3-Nitroaniline	14.501	138	712	0.02 ng/uL#	1
55) Acenaphthene	14.501	153	665107	3.94 ng/uL	98
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.920	168	342856	1.57 ng/uL	98
58) 4-Nitrophenol	14.821	65	256	0.01 ng/uL#	1
59) 2,4-Dinitrotoluene	14.967	165	641	0.01 ng/uL#	1
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.736	166	458390	2.59 ng/uL	97
63) Diethyl Phthalate	15.614	149	4624	0.03 ng/uL#	87
64) 4-Chlorophenyl Phenyl ...	15.812	204	120	0.00 ng/uL#	1
65) 4-Nitroaniline	15.894	138	147	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.162	169	1565	0.01 ng/uL#	42
69) 1,2-Diphenylhydrazine	15.870	182	2819	0.05 ng/uL	78
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.491	266	441	0.02 ng/uL#	1
75) Phenanthrene	17.904	178	3614145	14.38 ng/uL	99
76) Anthracene	17.998	178	980505	4.04 ng/uL	99
77) Carbazole	18.318	167	499506	2.39 ng/uL	99
79) Di-n-butyl Phthalate	18.989	149	3220	0.01 ng/uL#	82
80) Fluoroanthene	19.775	202	3695544	15.41 ng/uL	95
82) Pyrene	20.067	202	3042520	12.25 ng/uL	94
83) Butyl Benzyl Phthalate	20.889	149	3845	0.04 ng/uL	90
84) Bis(2-ethylhexyl) adipate	20.988	129	2615	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.472	228	1483785	7.78 ng/uL	97
86) Chrysene	21.512	228	1402178	7.52 ng/uL	98
87) Bis(2-ethylhexyl)phtha...	21.512	149	32294	0.26 ng/uL	97
88) Di-n-octyl Phthalate	22.189	149	16399	0.41 ng/uL#	93
90) Benzo(b)fluoroanthene	22.661	252	1285286m	8.03 ng/uL	
91) Benzo(k)fluoranthene	22.690	252	623799m	3.45 ng/uL	
92) Benzo(a)pyrene	23.069	252	897844	5.95 ng/uL	97
93) Indeno(1,2,3-cd)pyrene	24.759	276	298019	2.28 ng/uL	94
94) Dibdenz(a,h)anthracene	24.782	278	59267m	0.56 ng/uL	
95) Benzo(g,h,i)Perylene	25.243	276	256918	2.28 ng/uL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:33:56 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 09:59:32 2014
Response via : Initial Calibration

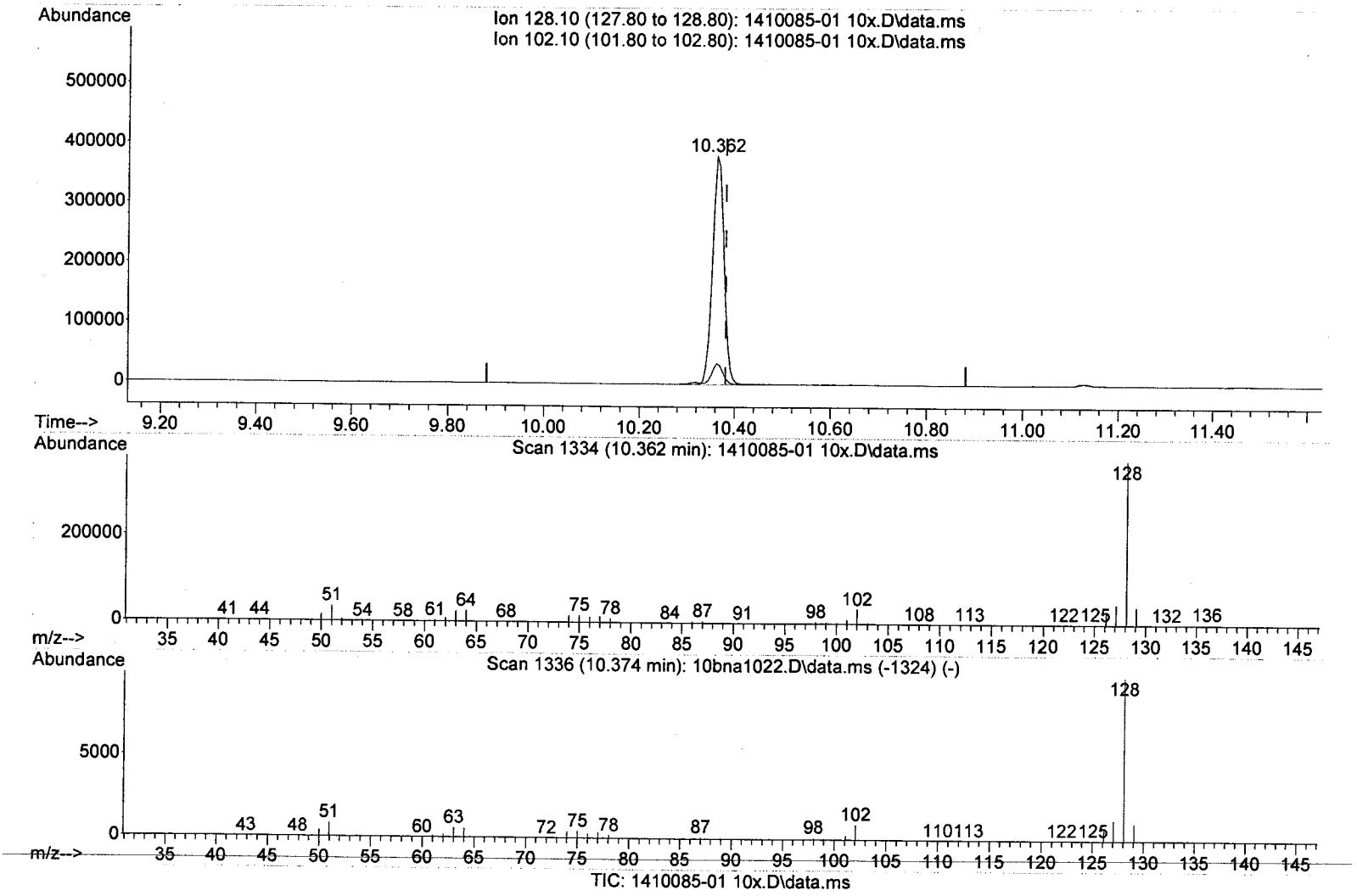
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.576	152	360783	5.00 ng/uL	# 0.00
8) Naphthalene-d8	10.316	136	1441074	5.00 ng/uL	0.00
11) Acenaphthene-d10	14.425	164	796075	5.00 ng/uL	0.00
16) Phenanthrene-d10	17.858	188	1297731	5.00 ng/uL	# 0.00
19) Chrysene-d12	21.483	240	1046807	5.00 ng/uL	# 0.00
22) Perylene-d12	23.144	264	752277	5.00 ng/uL	# 0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	2.872	74	203	0.00 ng/uL#	1
3) Pyridine	3.199	79	1471	0.01 ng/uL#	80
4) Aniline	0.000		0	N.D.	
5) Benzaldehyde	6.743	105	1196	0.02 ng/uL#	1
6) Acetophenone	8.421	105	1353	0.01 ng/uL#	21
7) N-Nitroso-di-n-propyla...	8.468	70	134	0.00 ng/uL#	1
9) 4-Chloroaniline	10.531	127	248	0.01 ng/uL	93
10) Caprolactam	11.330	55	515	0.11 ng/uL#	21
12) 1,1'-Biphenyl	13.108	154	42019	0.18 ng/uL	96
13) 2-Nitroaniline	0.000		0	N.D.	
14) 3-Nitroaniline	14.501	138	712	Below Cal #	1
15) 4-Nitroaniline	15.894	138	147	Below Cal #	1
17) N-Nitroso-diphenylamine	16.051	169	8793	0.06 ng/uL#	1
18) Atrazine	0.000		0	N.D.	
20) Benzidine	20.003	184	2612	0.43 ng/uL#	45
21) 3,3'-Dichlorobenzidine	21.757	252	1149	0.02 ng/uL	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-01 10x.D\data.ms

(32) Naphthalene

10.362min (-0.019) 2.22 ng/uL

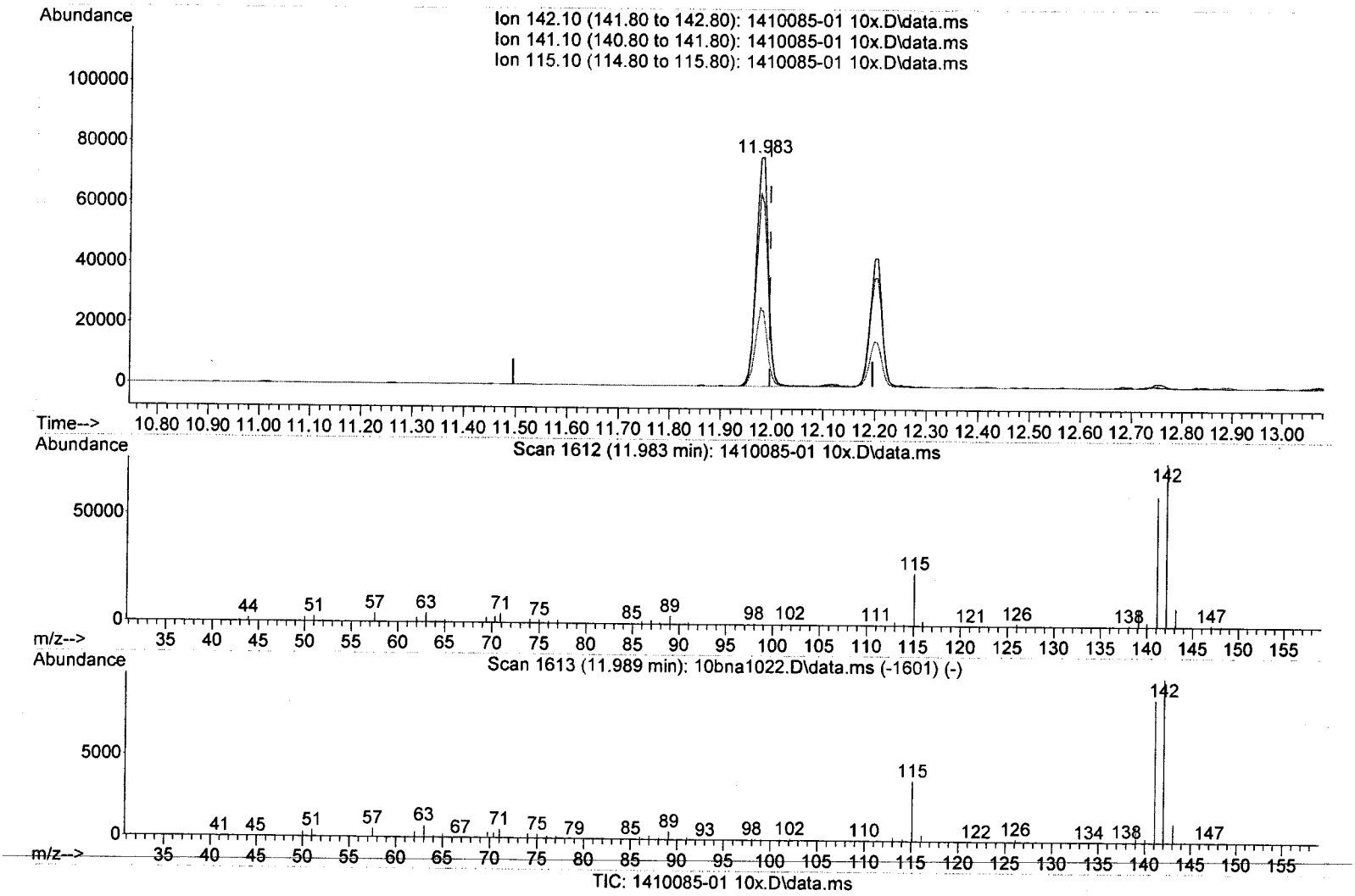
response 638774

Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	8.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-01 10x.D\data.ms

(39) 2-Methylnaphthalene

11.983min (-0.013) 0.69 ng/uL

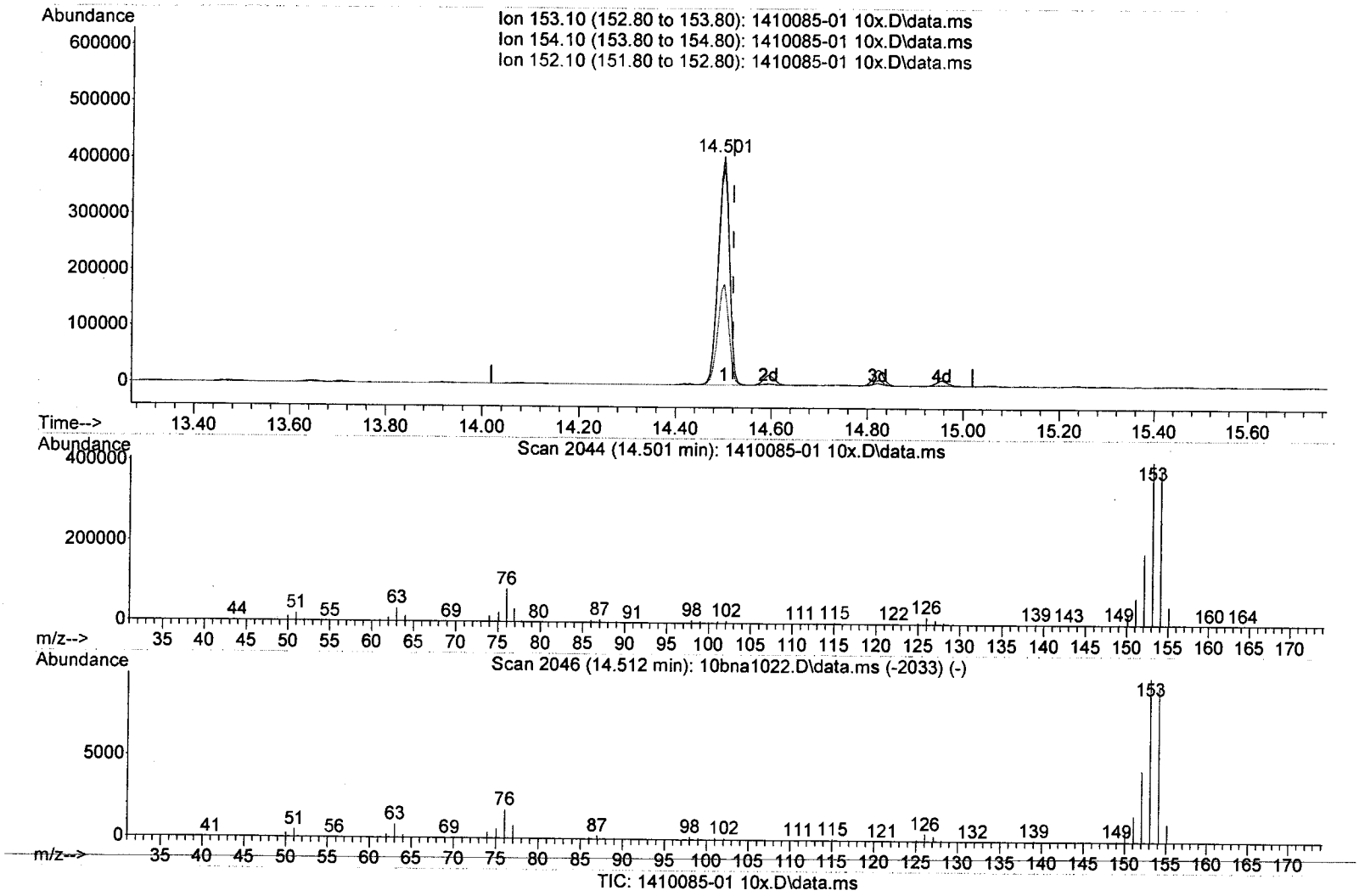
response 126009

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	84.70	81.88
115.10	33.50	33.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(55) Acenaphthene (C)

14.501min (-0.019) 3.94 ng/uL

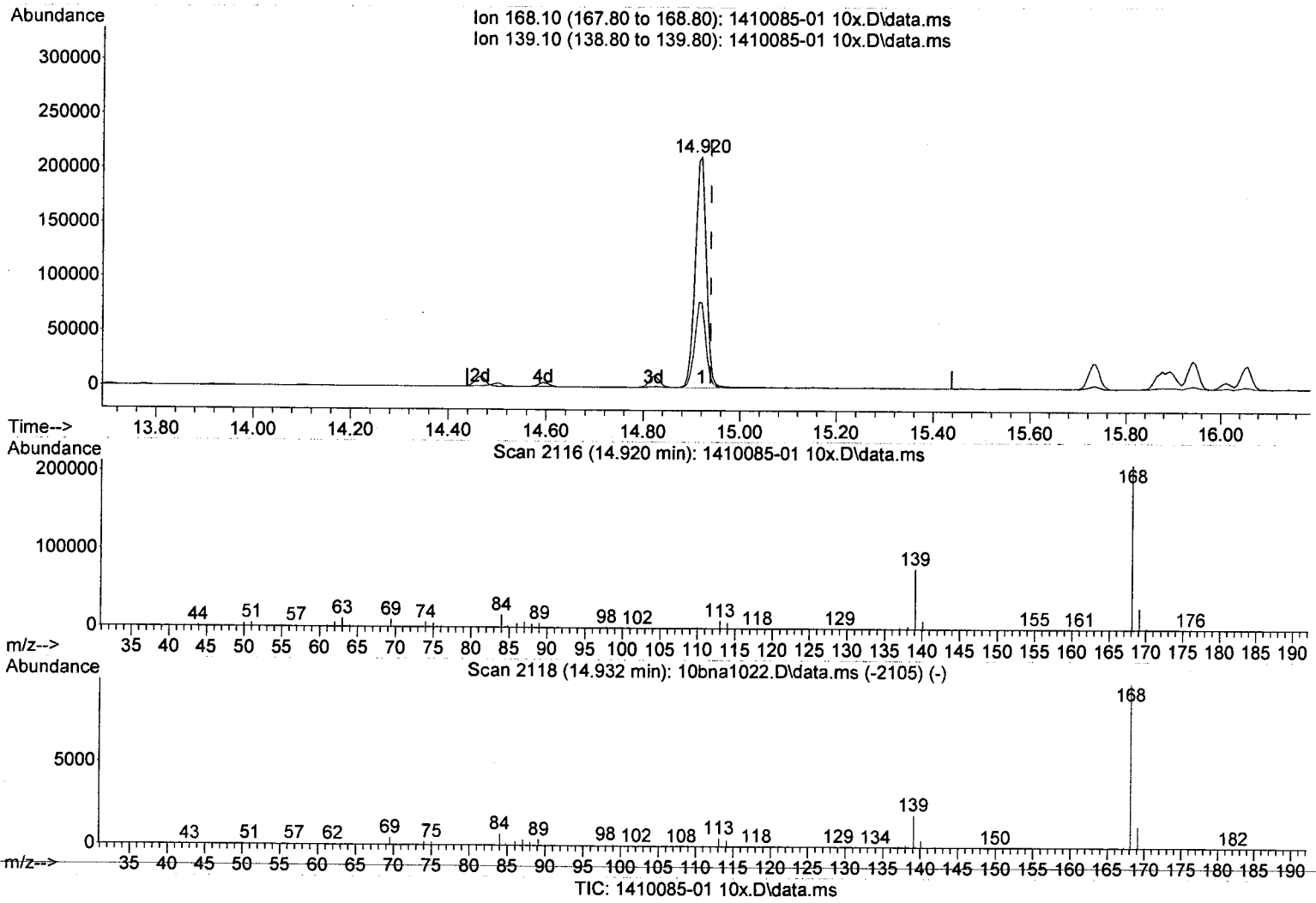
response 665107

Ion	Exp%	Act%
153.10	100.00	100.00
154.10	93.30	94.71
152.10	46.00	44.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(57) Dibenzofuran (P)

14.920min (-0.019) 1.57 ng/uL

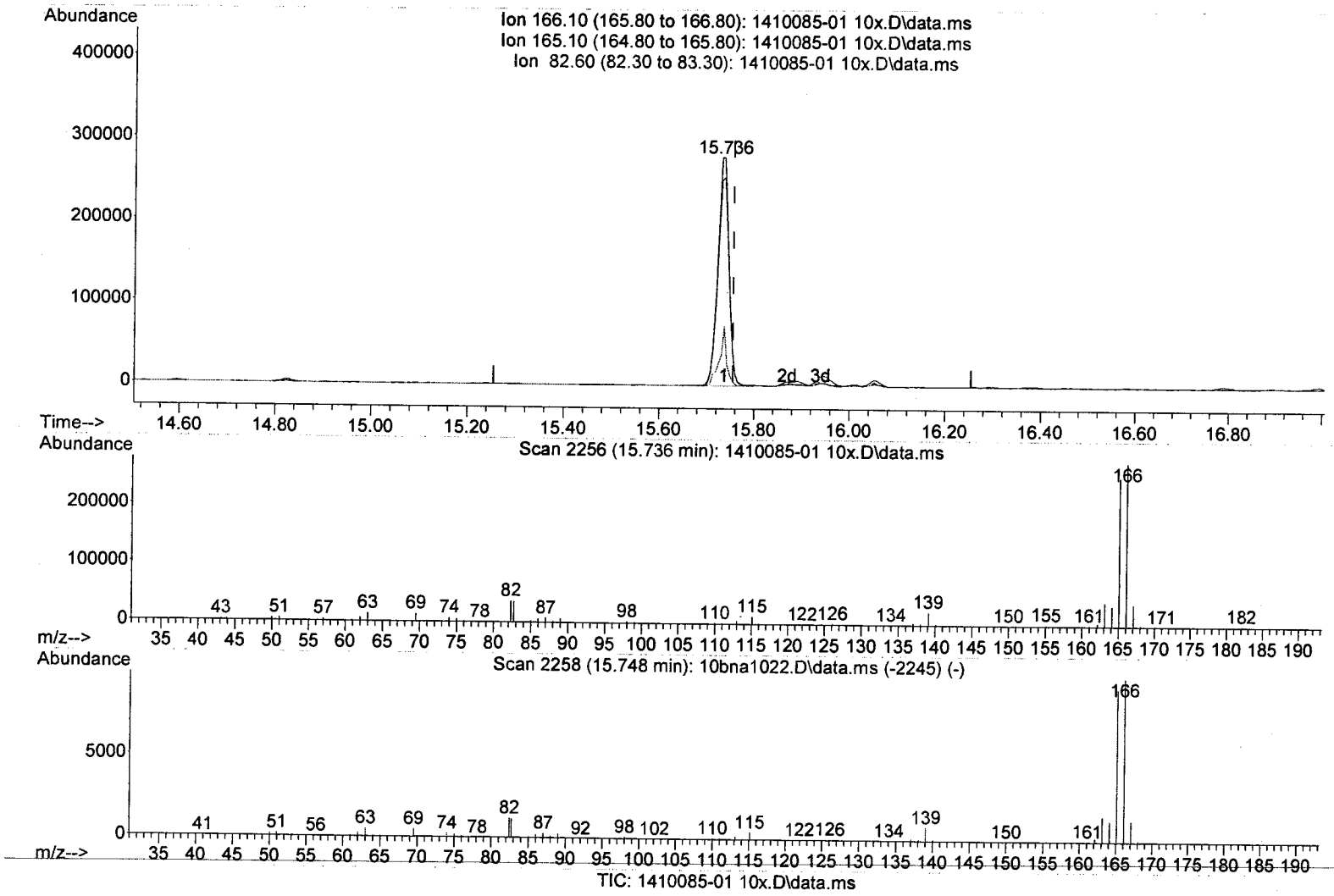
response 342856

Ion	Exp%	Act%
168.10	100.00	100.00
139.10	38.20	36.93
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-01 10x.D\data.ms

(62) Fluorene

15.736min (-0.019) 2.59 ng/uL

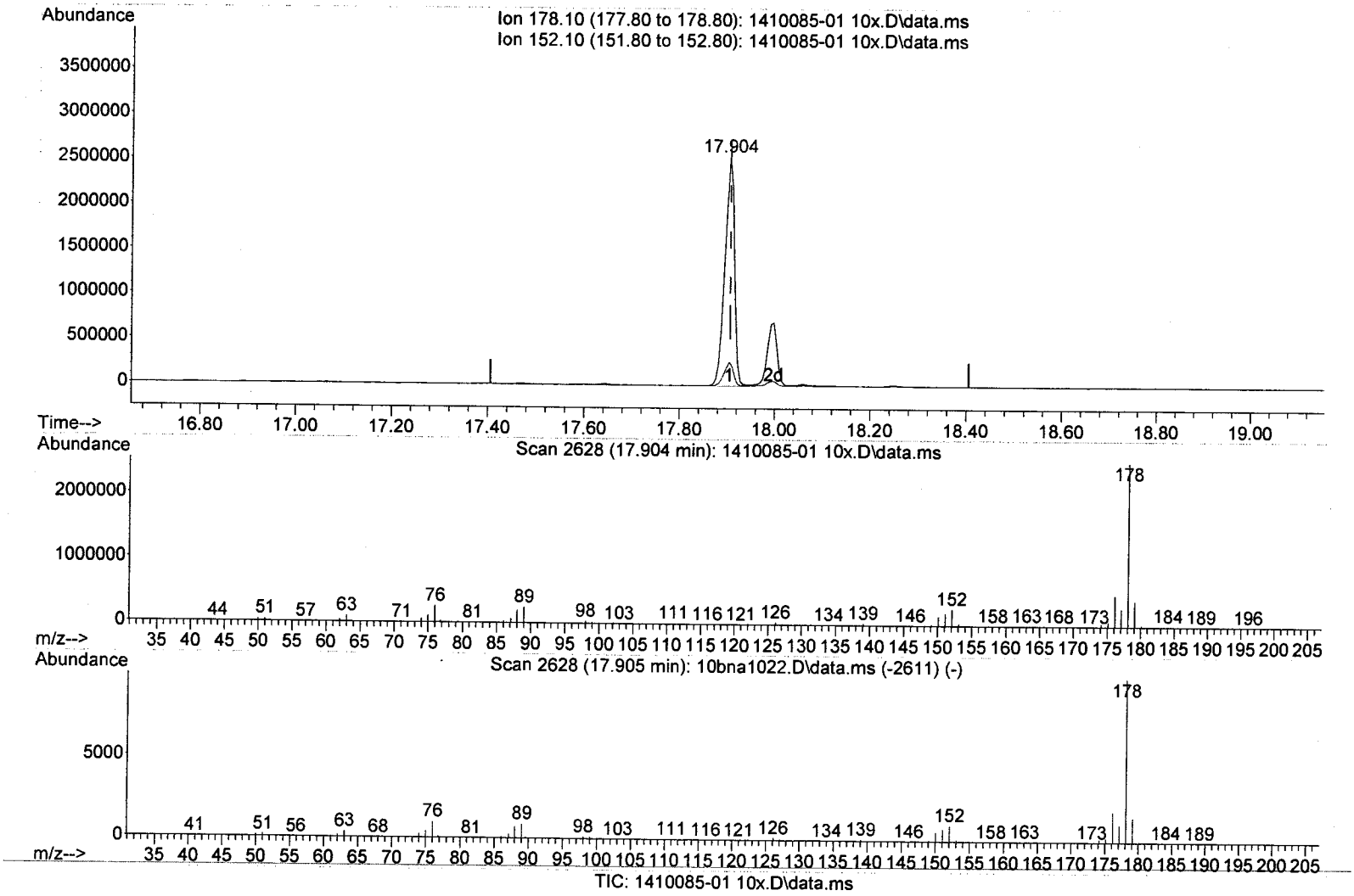
response 458390

Ion	Exp%	Act%
166.10	100.00	100.00
165.10	94.50	92.01
82.60	15.40	16.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(75) Phenanthrene

17.904min (-0.001) 14.38 ng/uL

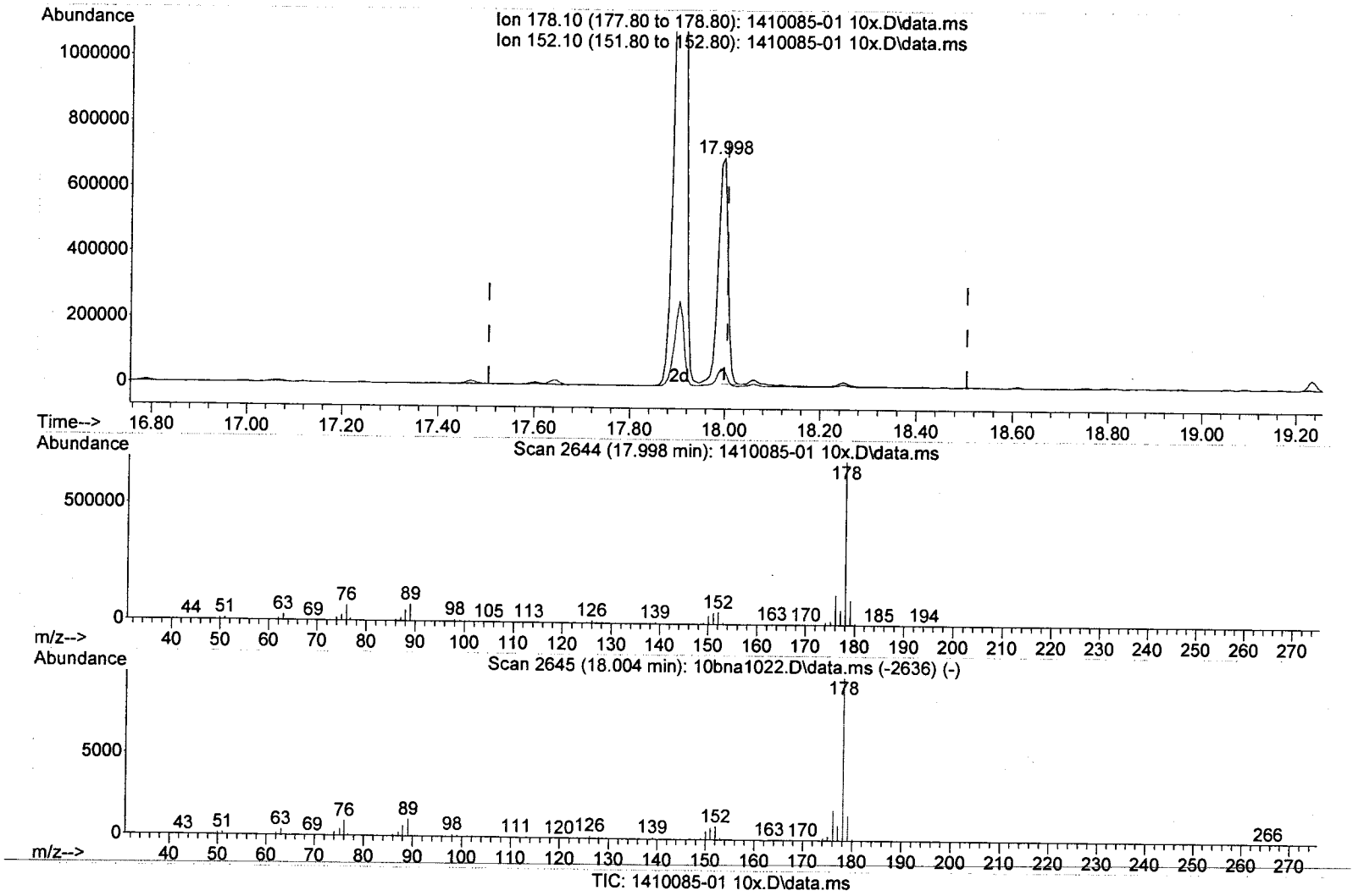
response 3614145

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	9.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(76) Anthracene

17.998min (-0.007) 4.04 ng/uL

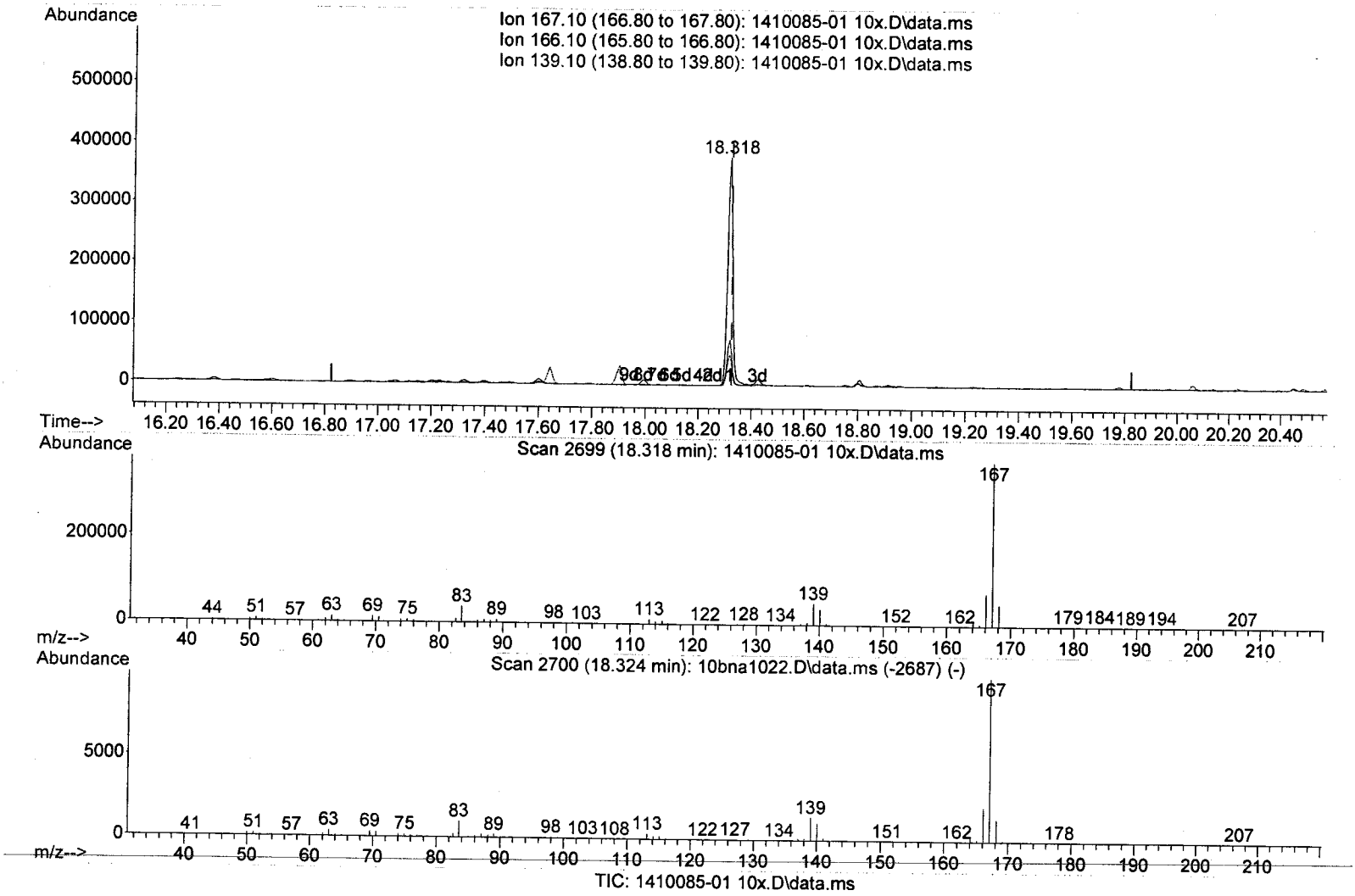
response 980505

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	7.90	8.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(77) Carbazole

18.318min (-0.007) 2.39 ng/uL

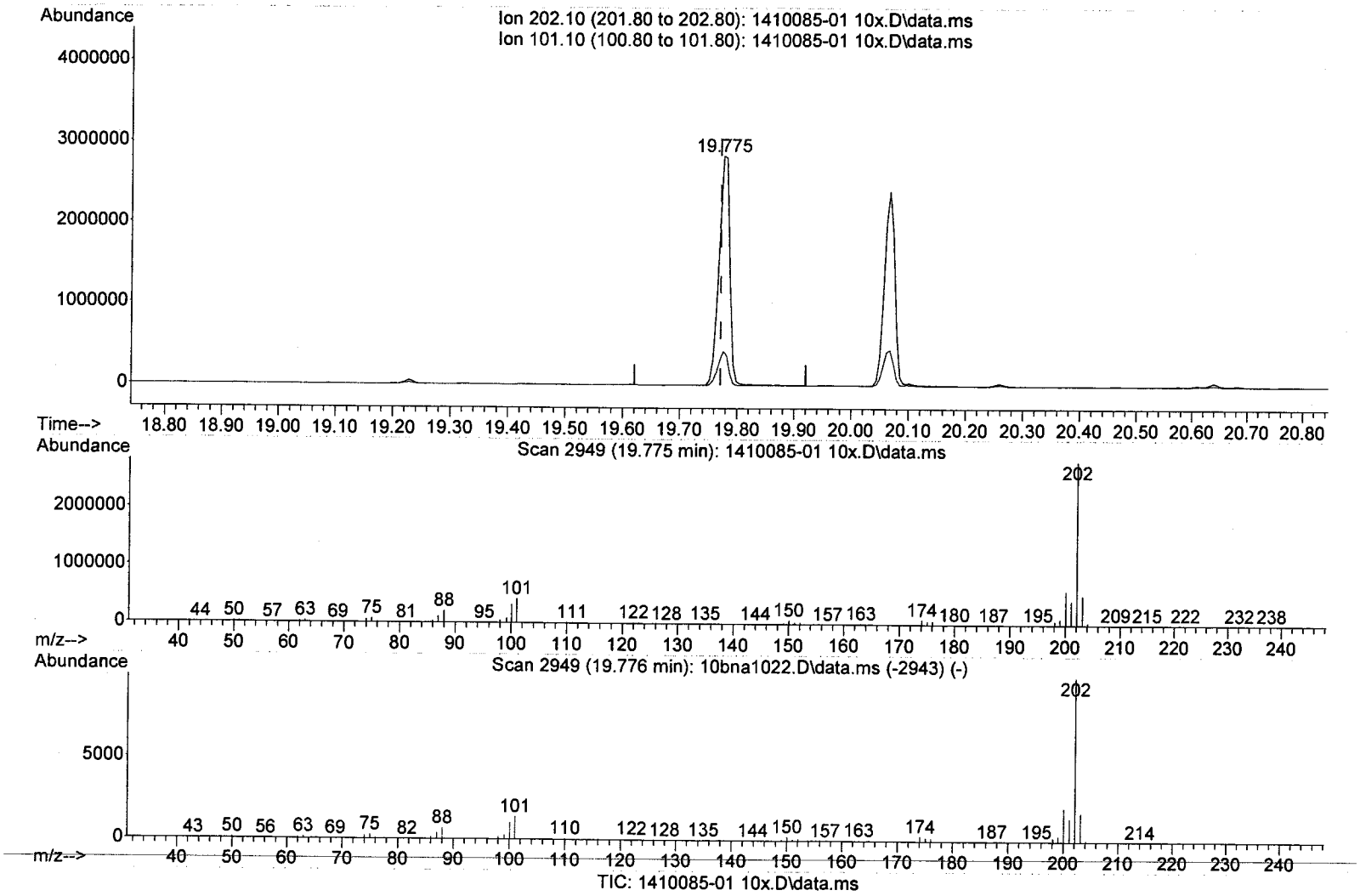
response 499506

Ion	Exp%	Act%
167.10	100.00	100.00
166.10	20.80	20.41
139.10	13.20	13.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(80) Fluoroanthene (C)

19.775min (+ 0.005) 15.41 ng/uL

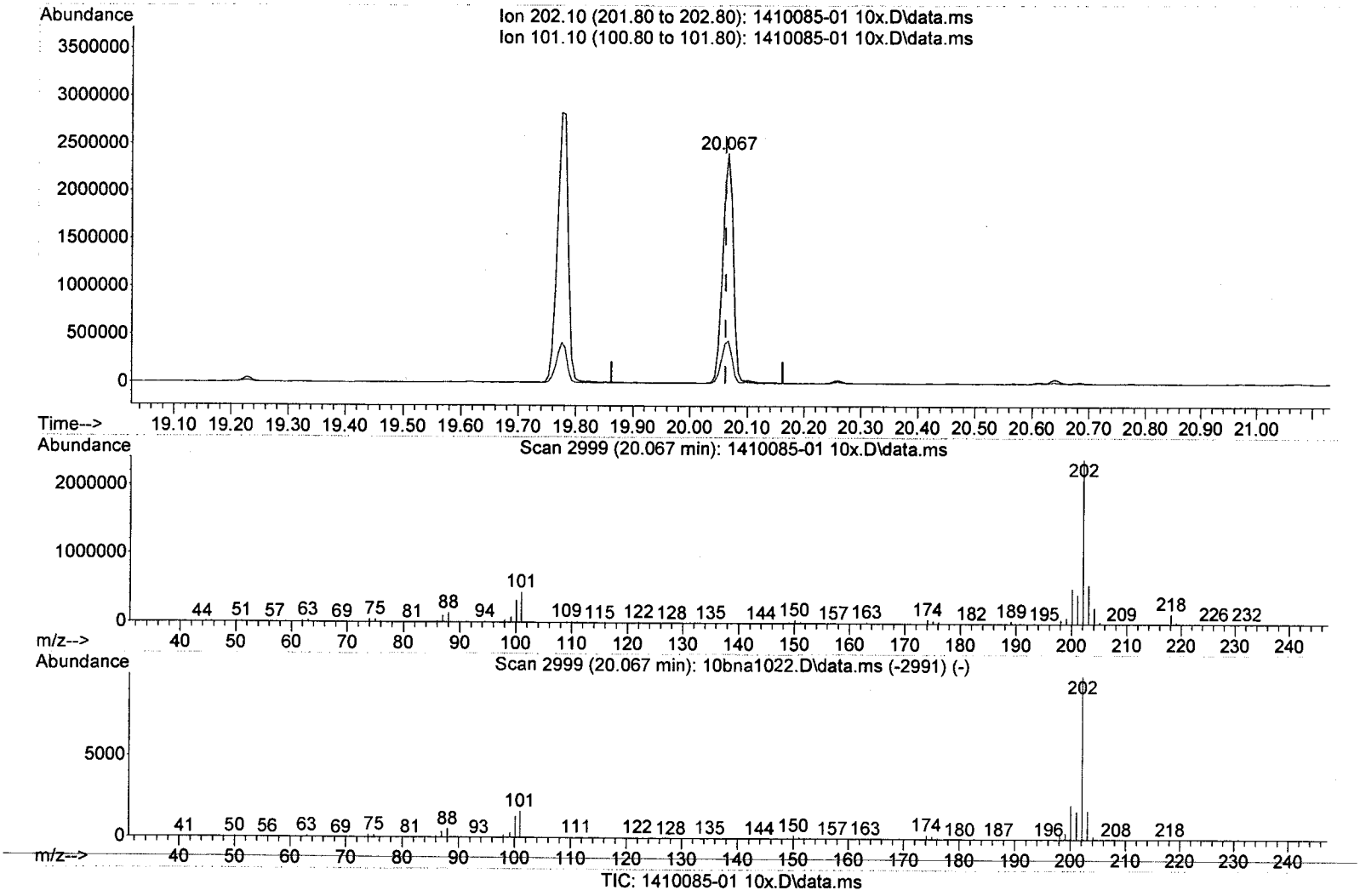
response 3695544

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	14.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(82) Pyrene

20.067min (+ 0.005) 12.25 ng/uL

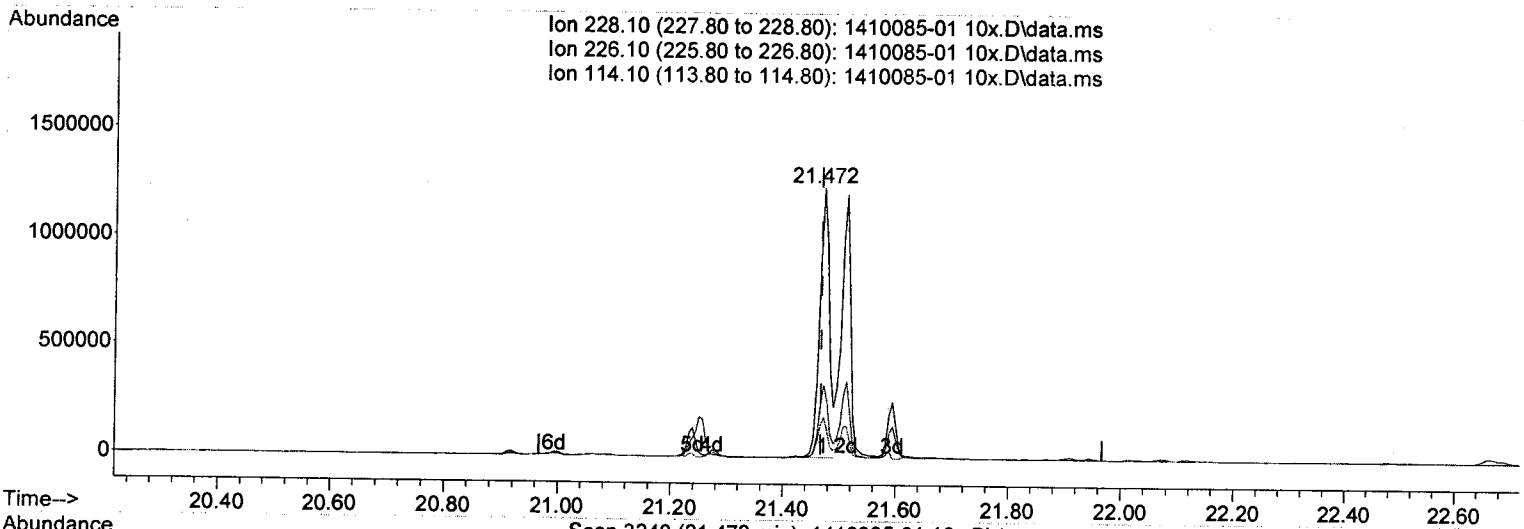
response 3042520

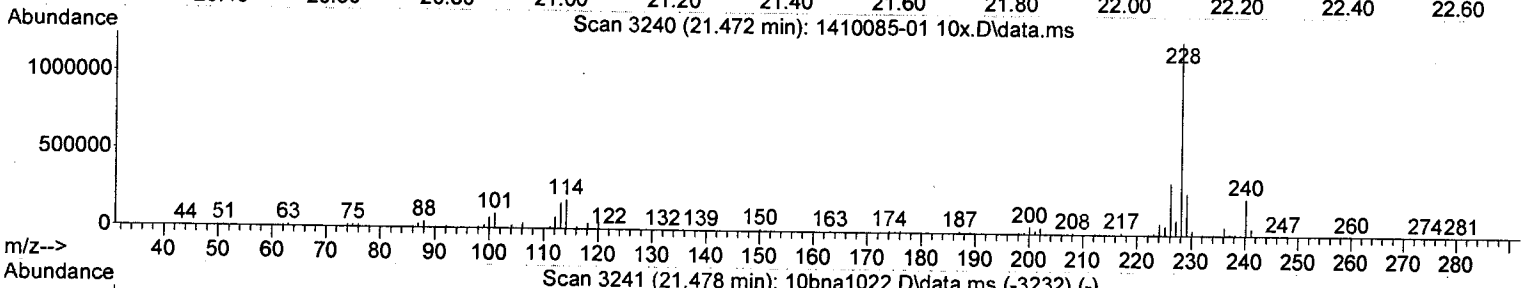
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	18.51
0.00	0.00	0.00
0.00	0.00	0.00

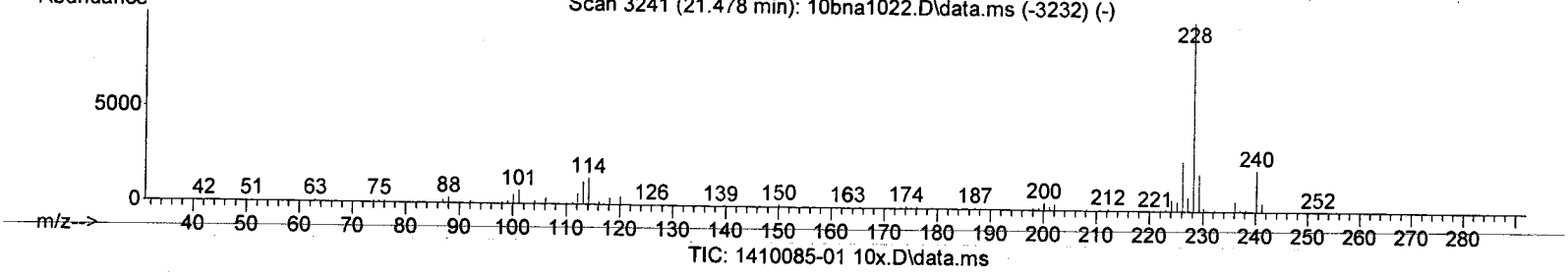
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-01 10x.D\data.ms

(85) Benzo(a)anthracene

21.472min (+ 0.005) 7.78 ng/uL

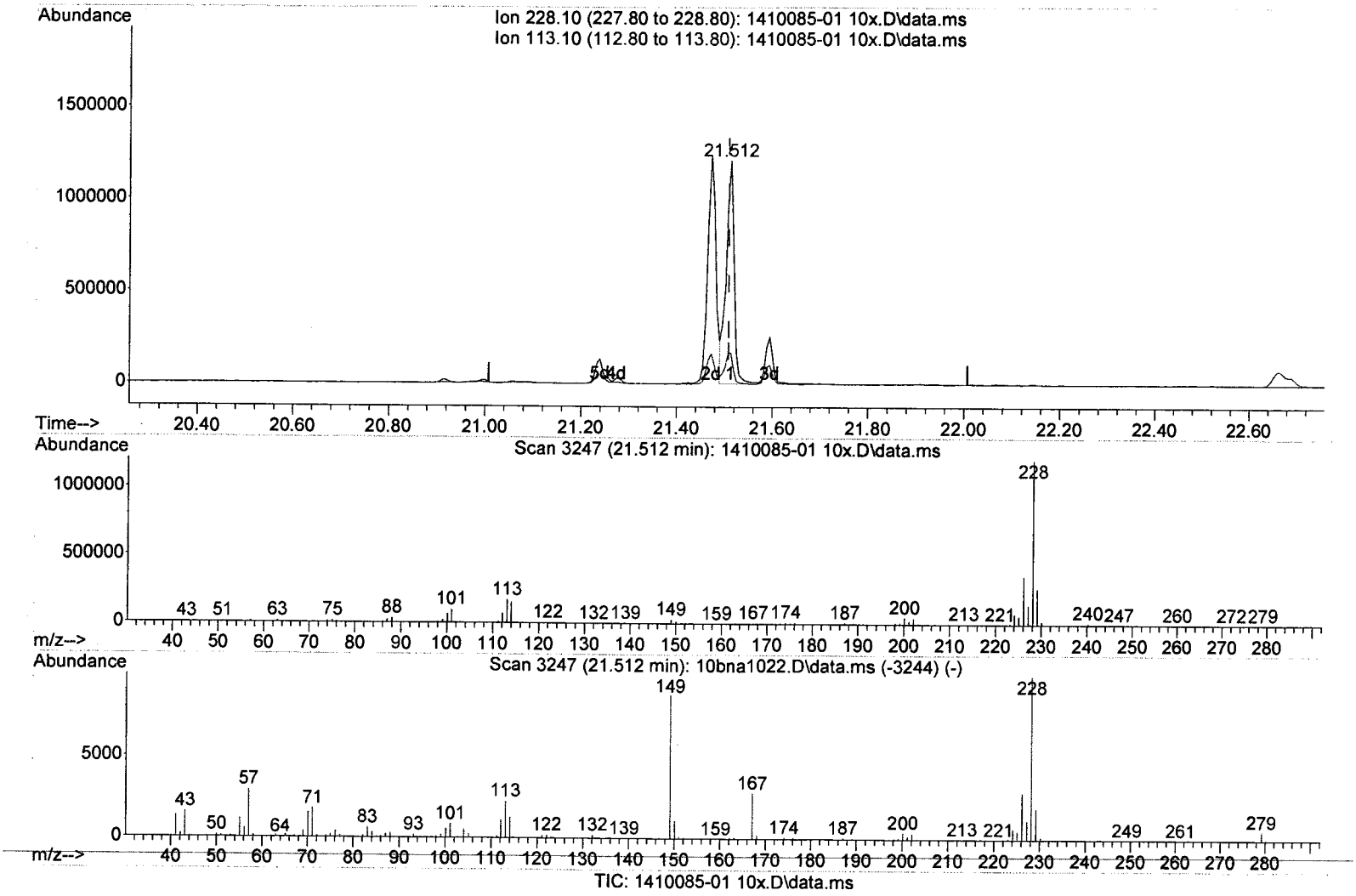
response 1483785

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	26.41
114.10	13.30	15.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(86) Chrysene

21.512min (+ 0.005) 7.52 ng/uL

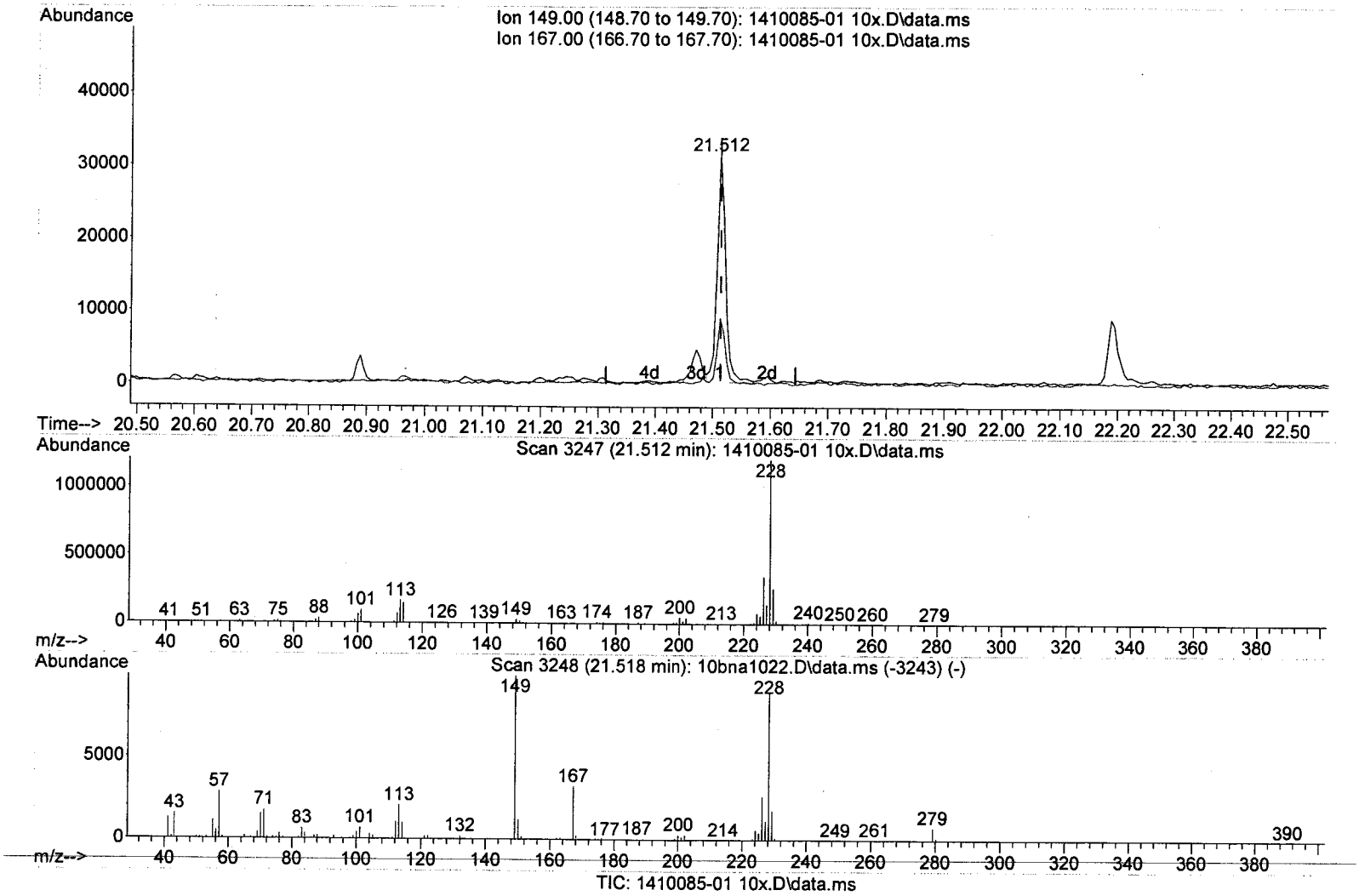
response 1402178

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	14.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.512min (-0.001) 0.26 ng/uL

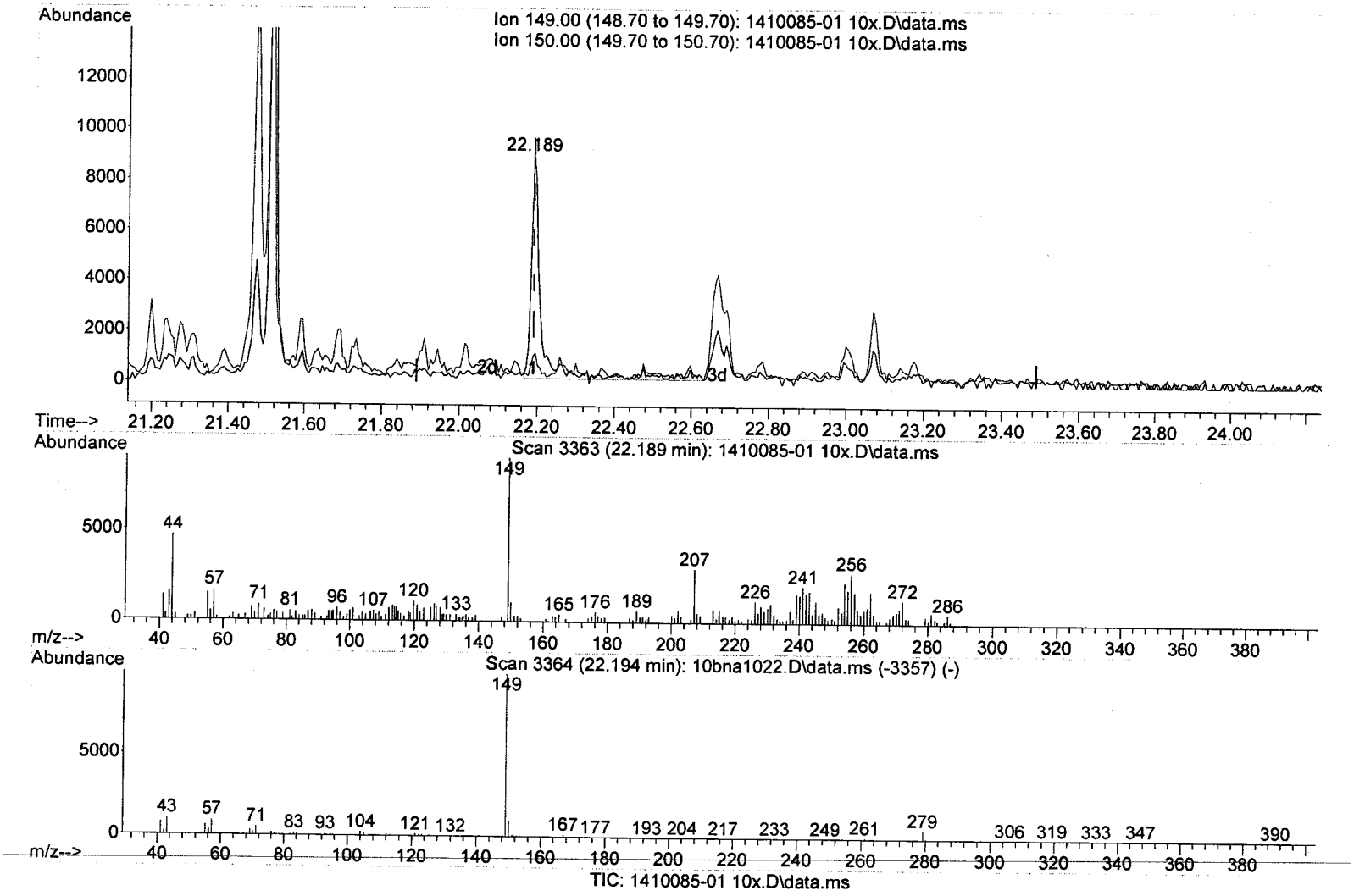
response 32294

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	27.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.189min (-0.001) 0.41 ng/uL

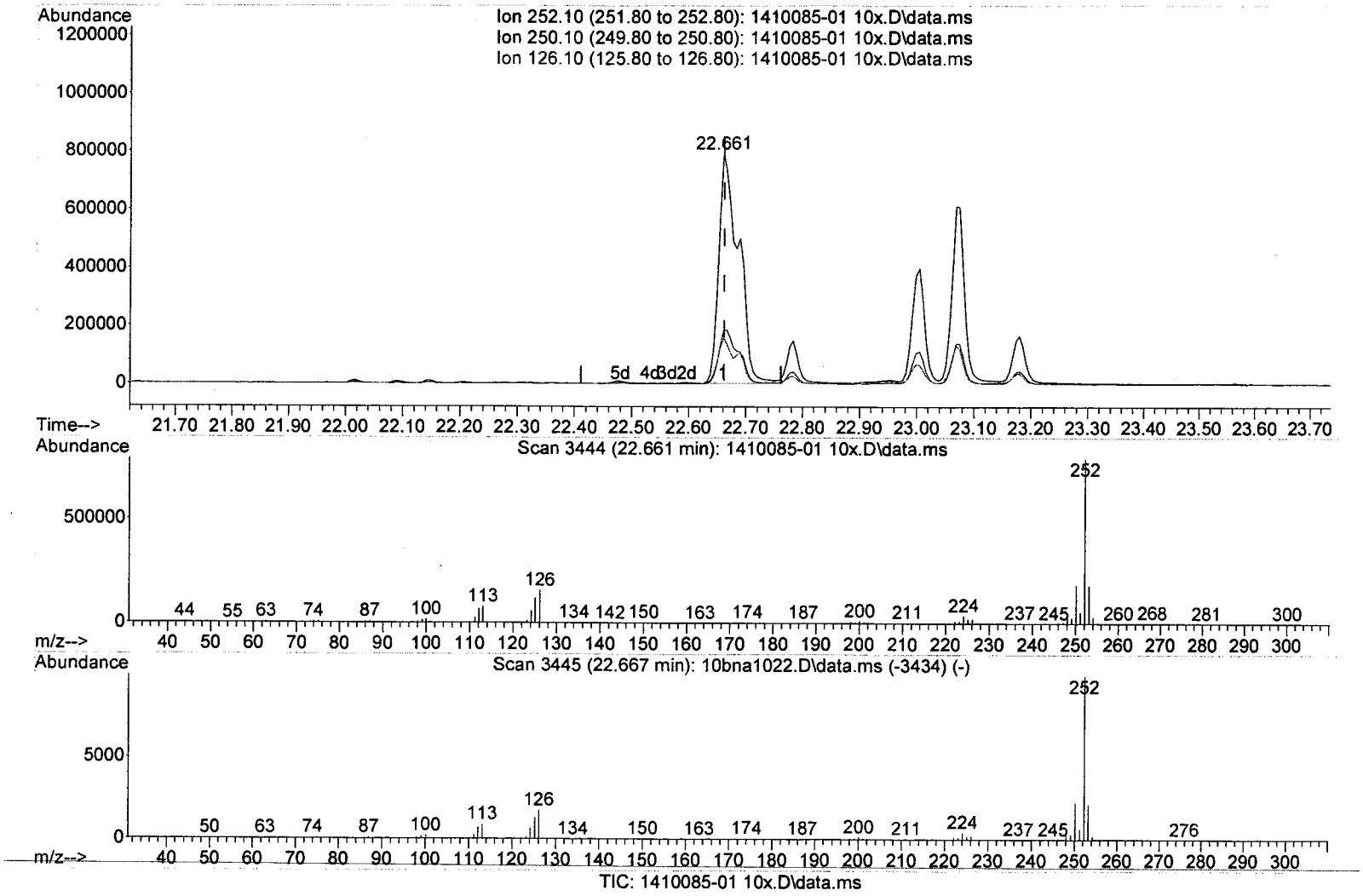
response 16399

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	7.12#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.661min (-0.001) 11.88 ng/uL

response 1902122

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	23.70
126.10	17.20	19.73
0.00	0.00	0.00

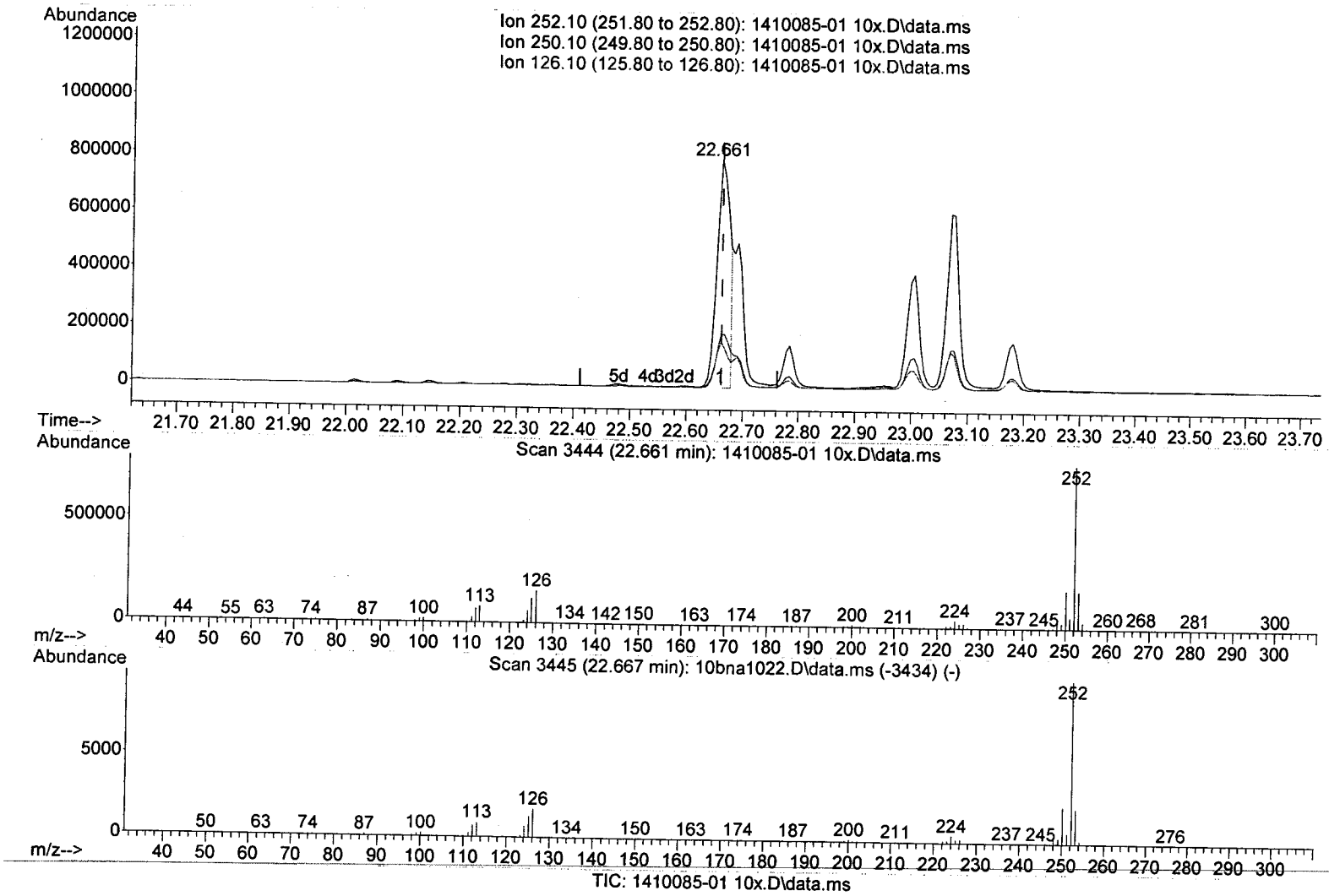
JLB 10/22/14

DWB 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.661min (-0.001) 8.03 ng/uL m

response 1285286

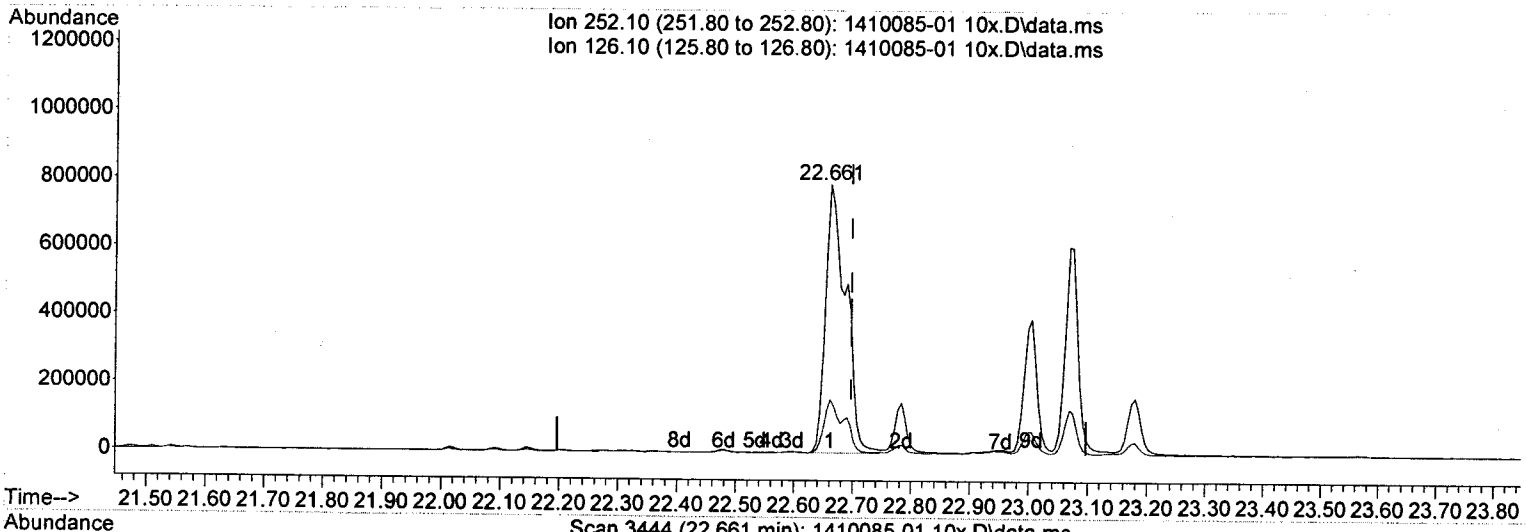
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	35.07#
126.10	17.20	29.21#
0.00	0.00	0.00

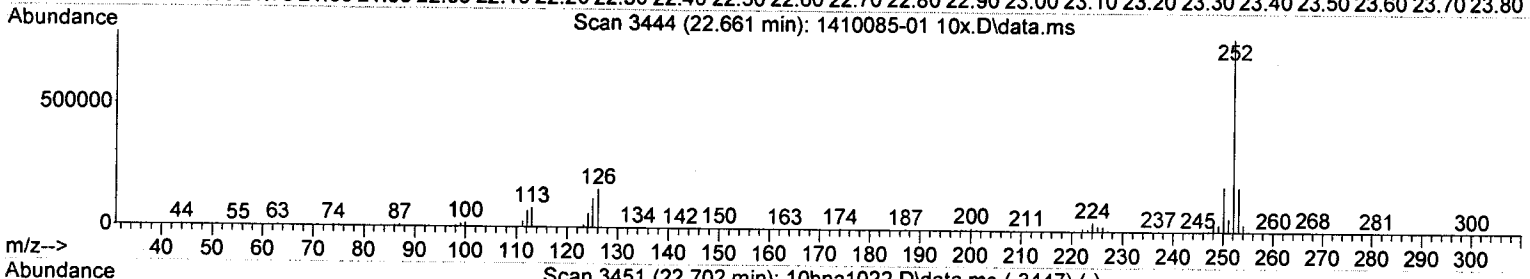
Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/22/14
Reviewed By: DN Date: 10-22-14

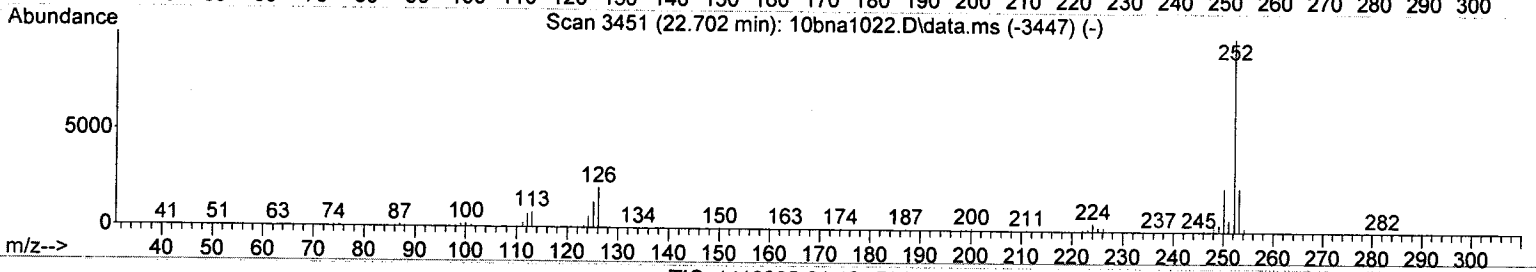
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-01 10x.D\data.ms

(91) Benzo(k)fluoranthene

22.661min (-0.036) 10.56 ng/uL

response 1909302

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	19.76
0.00	0.00	0.00
0.00	0.00	0.00

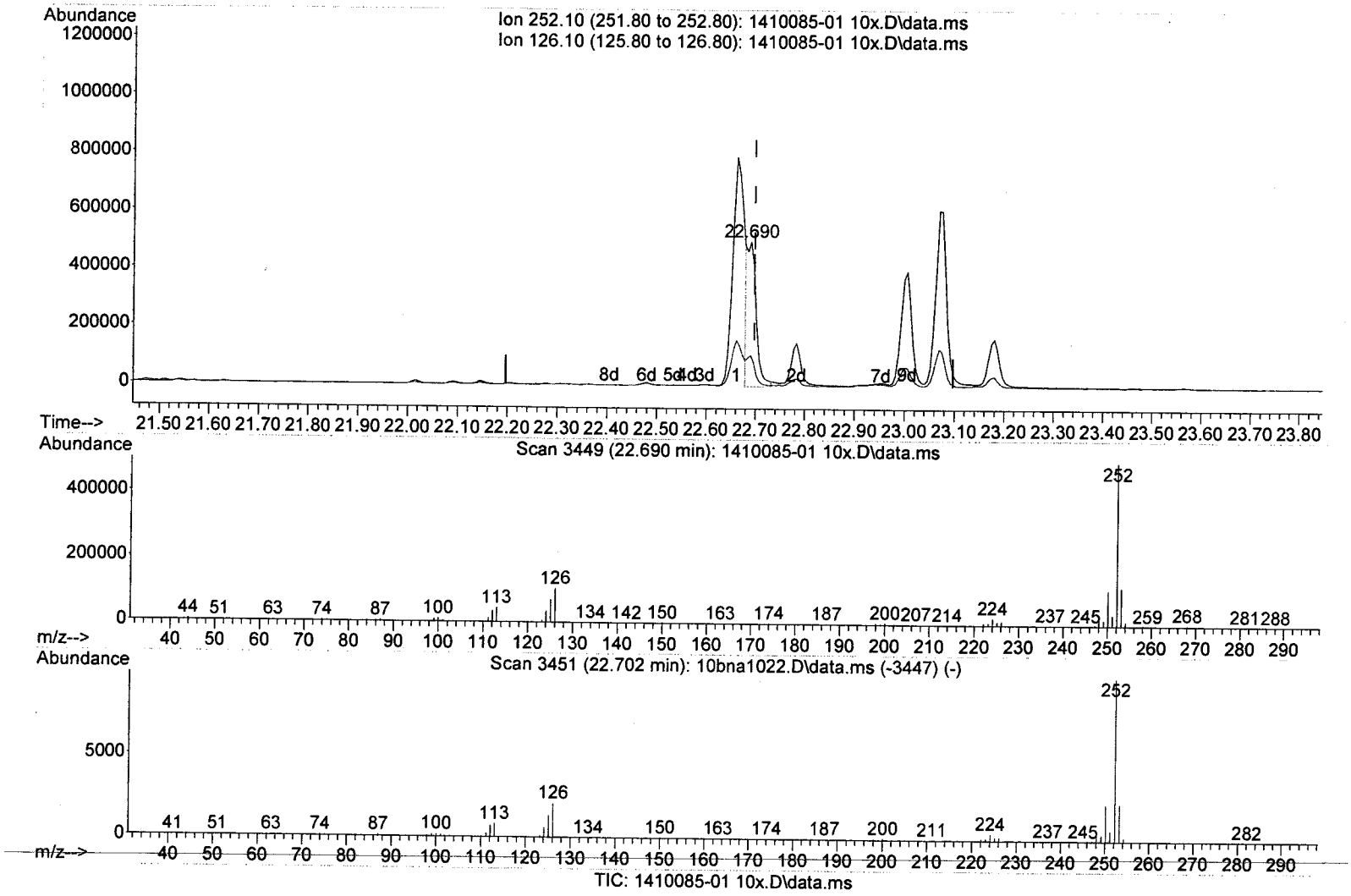
DW 10-22-14

JLB 10/22/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.690min (-0.007) 3.45 ng/uL m

response 623799

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	60.48#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

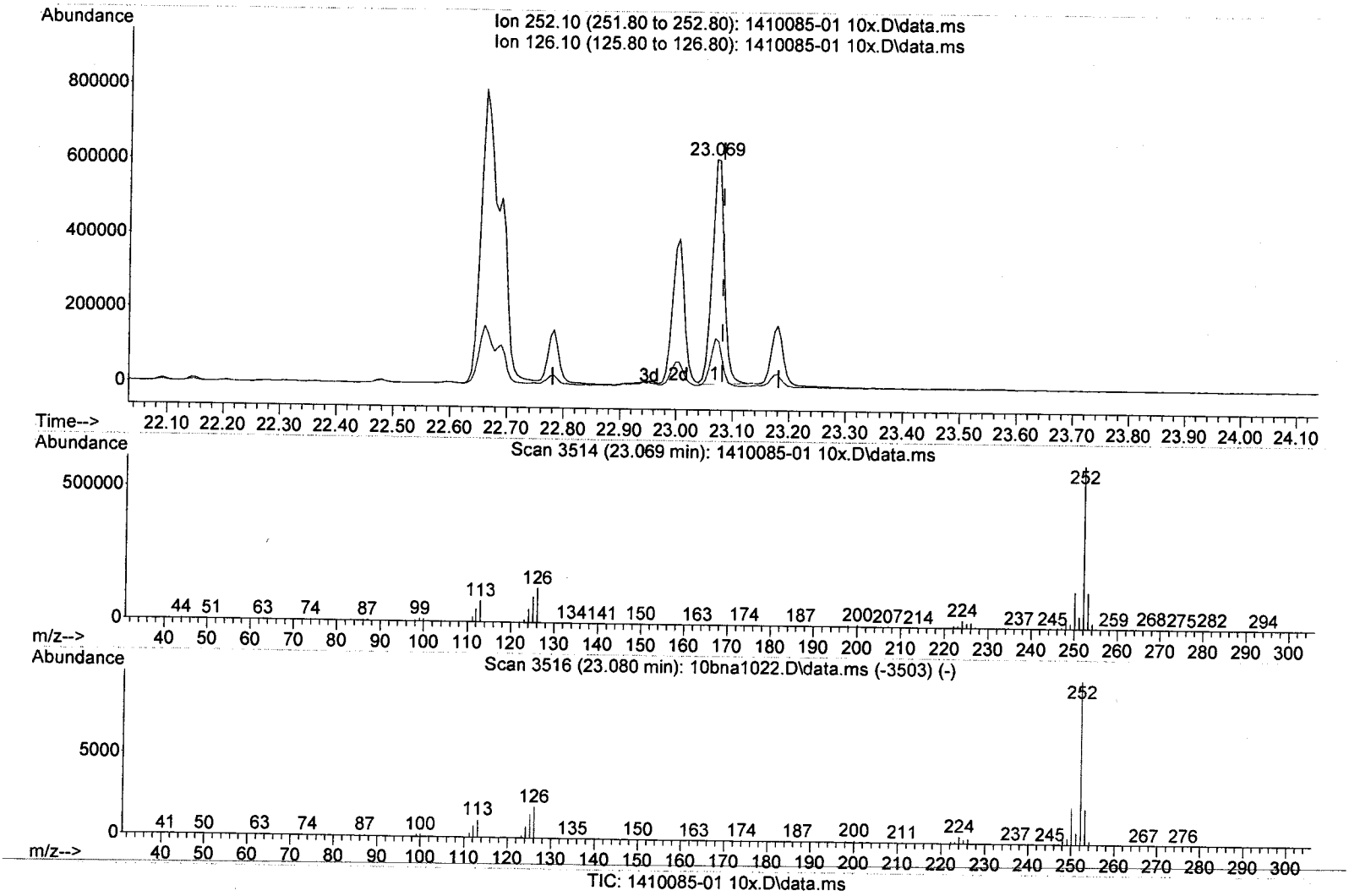
Analyst: JLB Date: 10/22/14

Reviewed By: DVC Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-01 10x.D\data.ms

(92) Benzo(a)pyrene (C)

23.069min (-0.013) 5.95 ng/uL

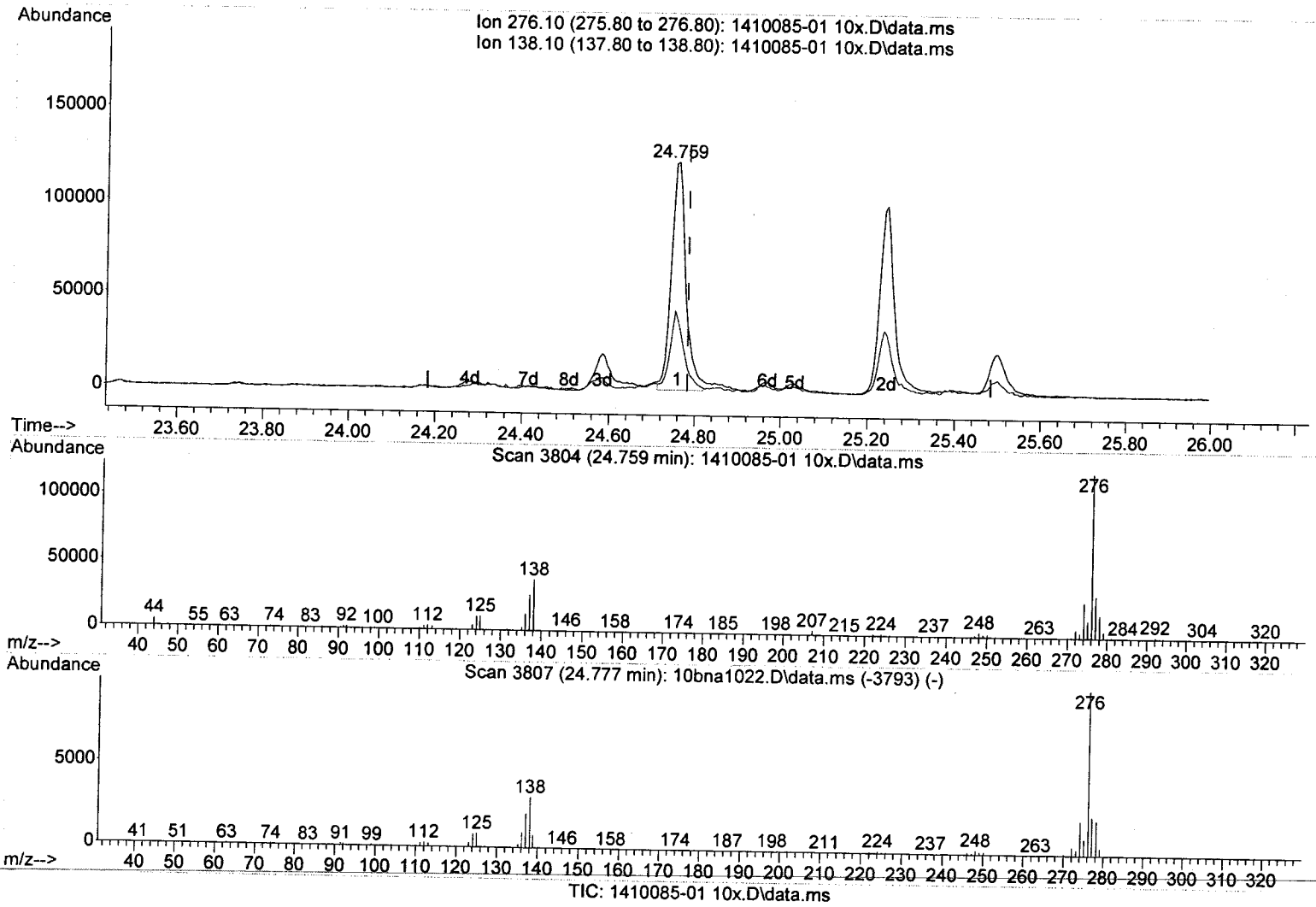
response 897844

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	20.68
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x
Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(93) Indeno(1,2,3-cd)pyrene

24.759min (-0.025) 2.28 ng/uL

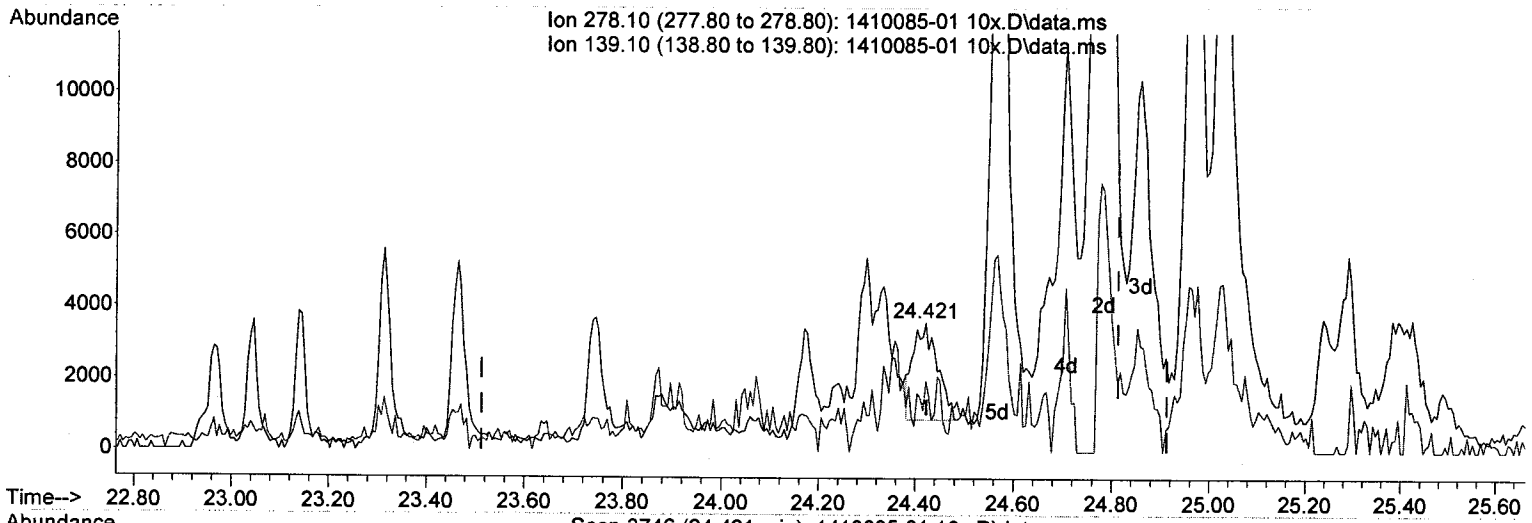
response 298019

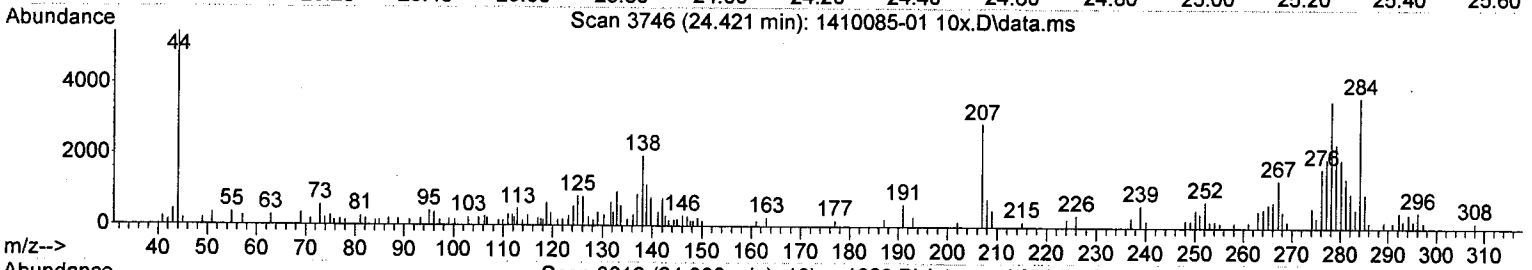
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	32.11
0.00	0.00	0.00
0.00	0.00	0.00

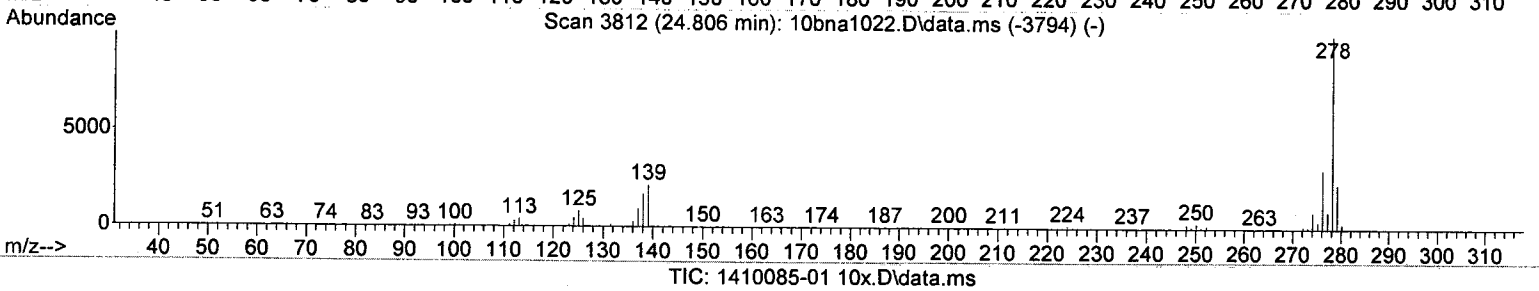
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-01 10x.D\data.ms

(94) Dibdenz(a,h)anthracene

24.421min (-0.392) 0.09 ng/uL

response 9272

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	16.54
0.00	0.00	0.00
0.00	0.00	0.00

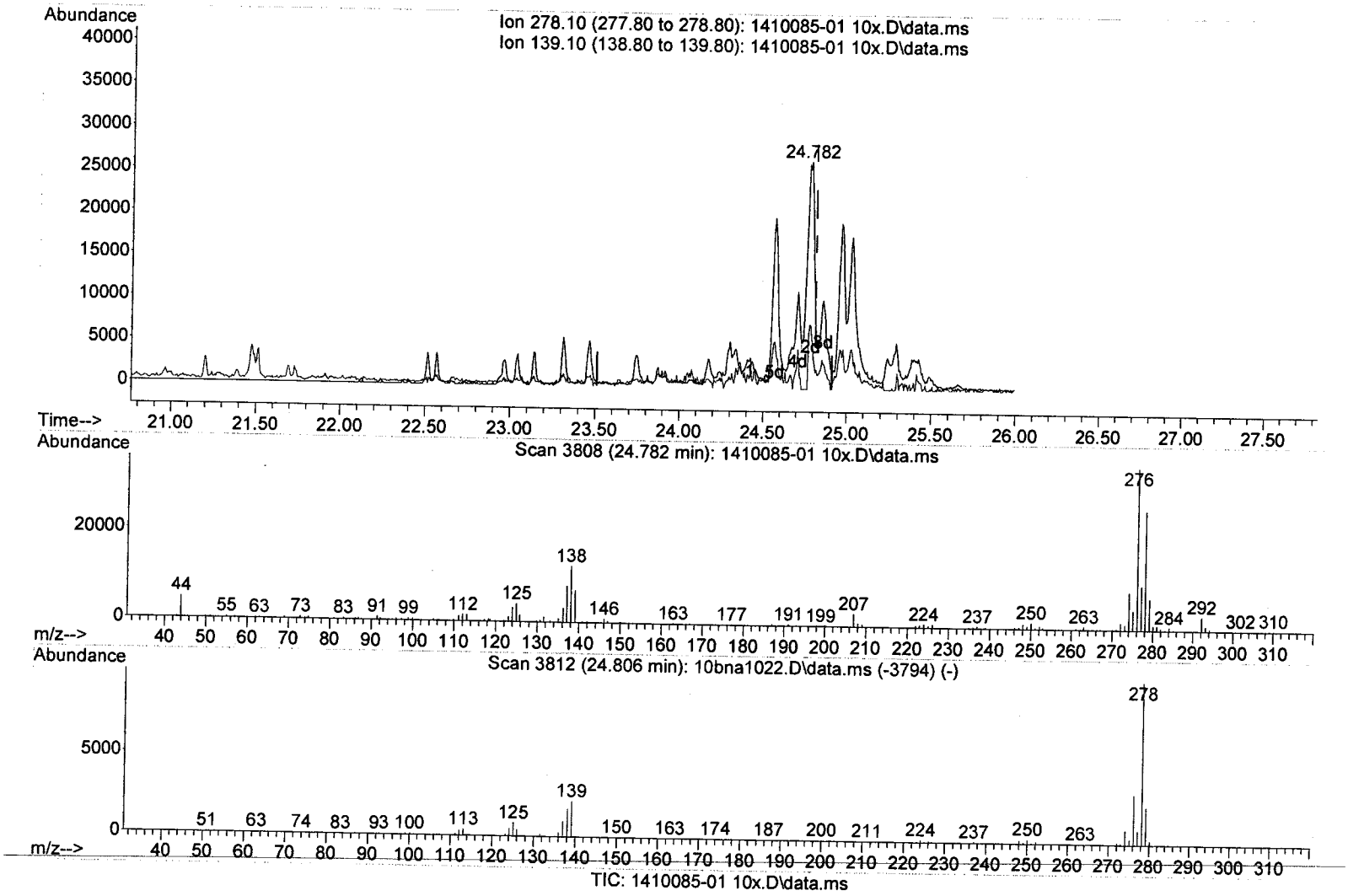
DWO 10-22-14

JWO 10/22/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(94) Dibdenz(a,h)anthracene

24.782min (-0.031) 0.56 ng/uL m

response 59267

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	2.59#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes / No) Date: 10/22/14

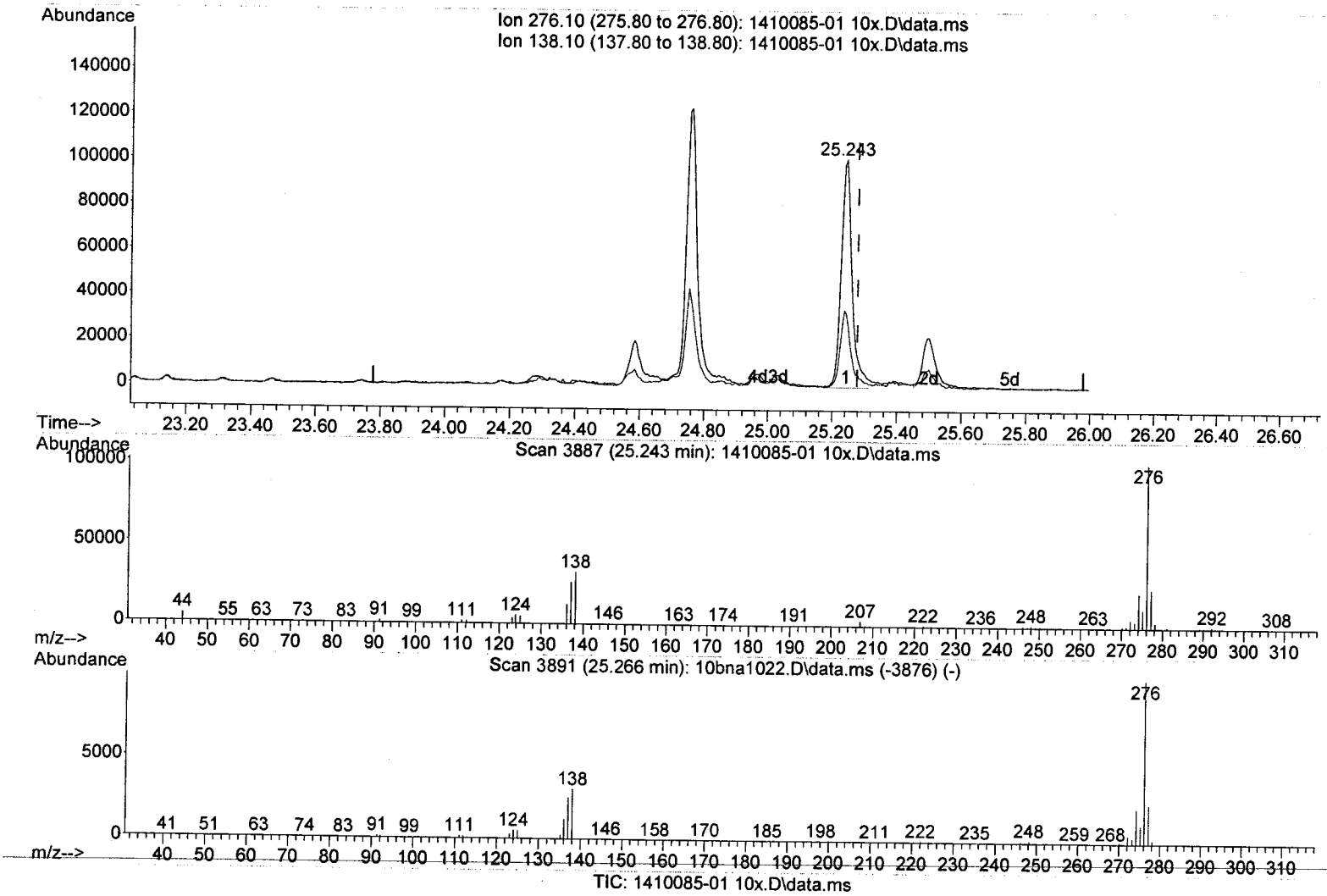
Analyst: JLB Date: 10 22 14

Reviewed By: DVR

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1410085-01 10x.D
Acq On : 22 Oct 2014 13:07
Operator : JLB
Sample : 1410085-01 10x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.243min (-0.036) 2.28 ng/uL

response 256918

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	31.30
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB34-37

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-02 File ID: 1410085-02.D

Sampled: 10/01/14 09:36 Prepared: 10/09/14 07:32 Analyzed: 10/20/14 23:34

Solids: 95.81 Preparation: 3550C Sonication Extract Initial/Final: 30.4 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.4	17	17	U
120-12-7	Anthracene	1	5.5	4.2	17	17	J
56-55-3	Benzo(a)anthracene	1	15	2.9	8.7	17	J
50-32-8	Benzo(a)pyrene	1	13	2.4	8.7	17	J
205-99-2	Benzo(b)fluoranthene	1	22	2.0	8.7	17	
207-08-9	Benzo(k)fluoranthene	1	11	2.0	8.7	17	J
191-24-2	Benzo(g,h,i)perylene	1	5.5	2.0	8.7	35	J
65-85-0	Benzoic Acid	1	87	72	170	350	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.2	17	35	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	70	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.7	3.8	8.7	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	4.0	17	17	U
218-01-9	Chrysene	1	14	4.1	17	17	J
53-70-3	Dibenz(a,h)anthracene	1	2.4	2.0	8.7	35	J
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	35	14	35	70	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	700	290	700	870	U
120-83-2	2,4-Dichlorophenol	1	17	4.3	17	35	U
84-66-2	Diethyl Phthalate	1	10	5.1	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	70	22	70	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.7	4.2	8.7	17	U
121-14-2	2,4-Dinitrotoluene	1	8.7	3.4	8.7	35	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB34-37

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-02 File ID: 1410085-02.D

Sampled: 10/01/14 09:36 Prepared: 10/09/14 07:32 Analyzed: 10/20/14 23:34

Solids: 95.81 Preparation: 3550C Sonication Extract Initial/Final: 30.4 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	14	4.0	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.7	3.5	8.7	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	960	12	17	35	E
206-44-0	Fluoranthene	1	30	4.7	17	17	
86-73-7	Fluorene	1	17	4.2	17	35	U
118-74-1	Hexachlorobenzene	1	17	5.0	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.8	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	5.5	2.8	8.7	35	J
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.8	17	17	U
108-39-4	3+4-Methylphenol	1	8.7	3.8	8.7	17	U
95-48-7	2-Methylphenol	1	8.7	3.7	8.7	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	70	26	70	340	U
88-74-4	2-Nitroaniline	1	8.7	3.7	8.7	17	U
99-09-2	3-Nitroaniline	1	35	17	35	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.7	17	17	U
100-02-7	4-Nitrophenol	1	350	110	350	700	U
62-75-9	N-Nitroso-dimethylamine	1	7.0	3.5	7.0	35	U
86-30-6	N-Nitroso-diphenylamine	1	8.7	3.6	8.7	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	24	4.3	17	17	
108-95-2	Phenol	1	17	4.1	17	170	U
129-00-0	Pyrene	1	25	4.5	17	17	
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.7	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.7	2.6	8.7	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	687	541	79	33 - 113	
Phenol-d6	687	622	91	30 - 115	
Nitrobenzene-d5	343	310	90	33 - 131	
2-Fluorobiphenyl	343	322	94	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB34-37

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-02 File ID: 1410085-02.D

Sampled: 10/01/14 09:36 Prepared: 10/09/14 07:32 Analyzed: 10/20/14 23:34

Solids: 95.81 Preparation: 3550C Sonication Extract Initial/Final: 30.4 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	687	417	61	12 - 124	
o-Terphenyl	343	342	100	20 - 155	

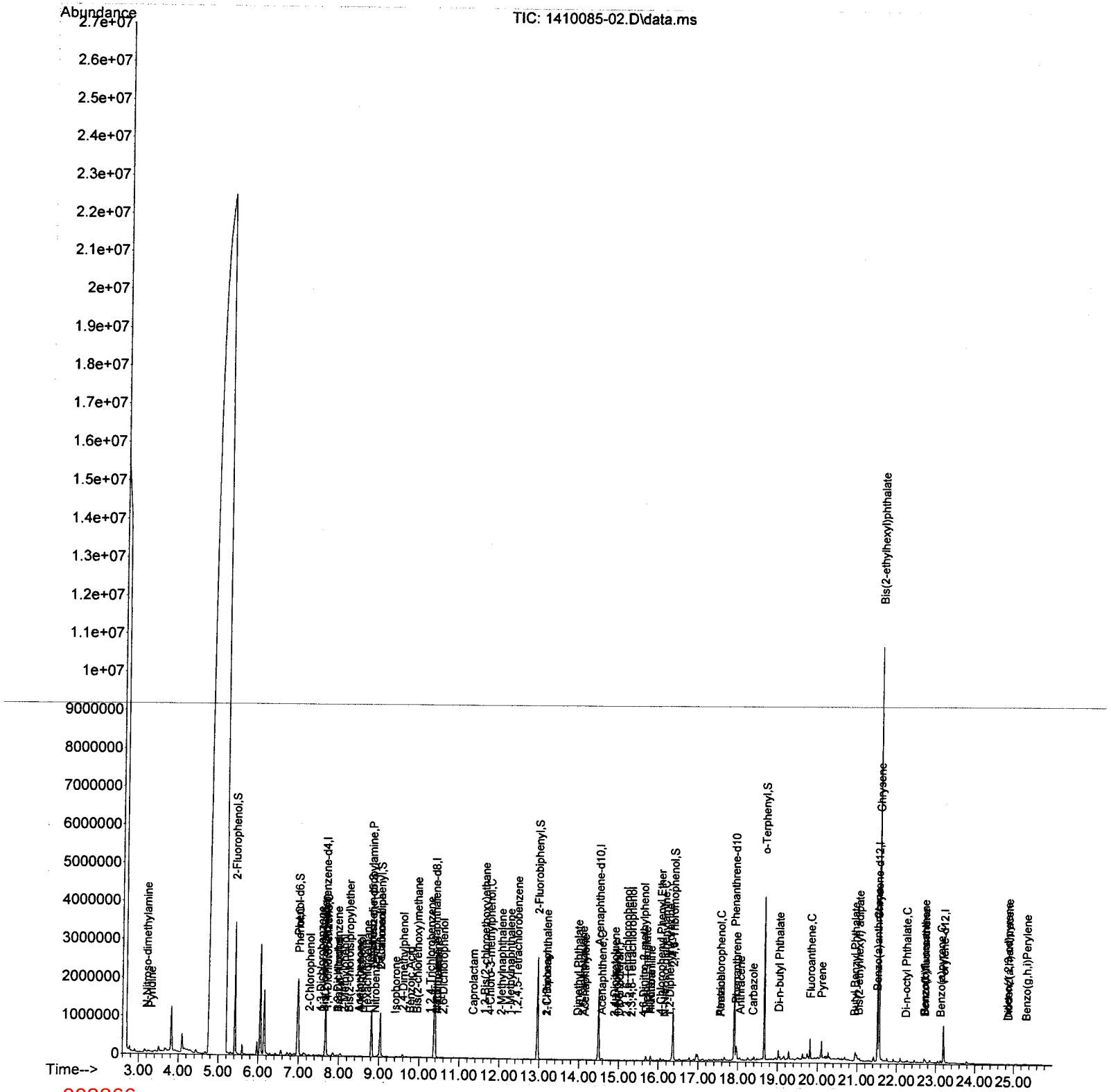
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	366731	7.669	403279	7.614	
Naphthalene-d8	1444970	10.391	1529030	10.359	
Acenaphthene-d10	791714	14.495	866604	14.474	
Phenanthrene-d10	1265893	17.91	1400442	17.901	
Chrysene-d12	975421	21.518	1153654	21.538	
Perylene-d12	542492	23.197	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:12:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:12:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	366731	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.391	136	1444970	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.495	164	791714	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.910	188	1265893	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	975421	5.00	ng/uL	#-0.01
89) Perylene-d12	23.197	264	542492	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.419	112	1319775	15.75	ng/uL	0.20
6) Phenol-d6	6.987	99	1965802	18.12	ng/uL	0.05
21) Nitrobenzene-d5	8.818	82	833879	9.03	ng/uL	0.00
23) Decafluorobiphenyl	9.033	334	534439	8.25	ng/uL	0.00
47) 2-Fluorobiphenyl	12.962	172	1532537	9.37	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.371	330	233558	12.16	ng/uL	-0.01
78) o-Terphenyl	18.662	230	1081794	9.97	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.199	74	253	0.00	ng/uL#	1
3) Pyridine	3.315	79	1510	0.02	ng/uL	92
5) Aniline	0.000		0	N.D.		
7) Phenol	6.999	94	2791	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.629	93	811	0.01	ng/uL#	1
9) 2-Chlorophenol	7.267	128	467	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.547	146	3965	0.04	ng/uL#	12
11) 1,4-Dichlorobenzene	7.704	146	1618	0.02	ng/uL#	1
12) 1,2-Dichlorobenzene	7.961	146	639	0.01	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.246	45	713	0.00	ng/uL#	51
14) Benzyl Alcohol	7.972	108	2079	0.03	ng/uL	79
15) 2-Methylphenol	8.130	108	136	0.00	ng/uL#	11
16) Acetophenone	8.503	105	2180	0.02	ng/uL#	85
17) Hexachloroethane	8.689	119	299	0.01	ng/uL#	3
18) 4-Methylphenol	8.544	108	152	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.812	70	107077	~~1.62~~ AT	ng/uL#	11
22) Nitrobenzene	8.899	77	368	0.00	ng/uL#	49
24) Isophorone	9.406	82	1579	0.01	ng/uL	95
25) 2-Chloroaniline	9.033	127	7517	0.06	ng/uL#	60
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.593	107	58	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.943	93	165	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.773	105	5011m	2.52	ng/uL	
31) 1,2,4-Trichlorobenzene	10.269	180	2232	0.03	ng/uL	94
32) Naphthalene	10.438	128	12545	0.04	ng/uL#	94
33) 4-Chloroaniline	10.438	127	1317	0.02	ng/uL#	82
34) 2,6-Dichlorophenol	10.589	162	127	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.341	55	8244	0.20	ng/uL#	49
37) 1,2-Bis(2-chloroethoxy...	11.633	63	174	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.767	107	357	0.00	ng/uL#	63
39) 2-Methylnaphthalene	12.047	142	3204	0.02	ng/uL	96
40) 1-Methylnaphthalene	12.268	142	1904	0.01	ng/uL#	95
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:12:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.443	216	85	0.00 ng/uL#	71
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.177	162	727	0.00 ng/uL	99
49) 1,1'-Biphenyl	13.177	154	1942	0.01 ng/uL#	77
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.139	152	459	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.087	165	497	0.01 ng/uL#	29
53) Dimethyl Phthalate	13.970	163	1197	0.01 ng/uL#	40
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.565	153	19429	0.12 ng/uL	96
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.990	168	10776	0.05 ng/uL	88
58) 4-Nitrophenol	14.938	65	113	0.00 ng/uL#	1
59) 2,4-Dinitrotoluene	14.885	165	59	0.00 ng/uL#	25
60) 2,3,5,6-Tetrachlorophenol	15.188	232	62	0.00 ng/uL#	18
61) 2,3,4,6-Tetrachlorophenol	15.311	232	133	0.00 ng/uL#	19
62) Fluorene	15.794	166	16326	0.09 ng/uL#	91
63) Diethyl Phthalate	15.684	149	48597	0.30 ng/uL	96
64) 4-Chlorophenyl Phenyl ...	16.051	204	1756	0.02 ng/uL#	16
65) 4-Nitroaniline	15.800	138	130	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.614	198	156	RT 0.99 ng/uL#	1
68) N-Nitroso-diphenylamine	16.156	169	597	0.00 ng/uL#	61
69) 1,2-Diphenylhydrazine	16.278	182	2105	0.04 ng/uL#	59
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.555	200	200	0.00 ng/uL#	25
74) Pentachlorophenol	17.549	266	2903	0.11 ng/uL#	65
75) Phenanthrene	17.951	178	172062	0.70 ng/uL	99
76) Anthracene	18.050	178	37462	0.16 ng/uL#	94
77) Carbazole	18.371	167	22649	0.11 ng/uL#	92
79) Di-n-butyl Phthalate	19.035	149	18043	0.07 ng/uL#	82
80) Fluoroanthene	19.816	202	202020	0.86 ng/uL	95
82) Pyrene	20.102	202	165773	0.72 ng/uL#	89
83) Butyl Benzyl Phthalate	20.929	149	4641	0.05 ng/uL	86
84) Bis(2-ethylhexyl) adipate	21.029	129	3296	0.11 ng/uL#	100
85) Benzo(a)anthracene	21.507	228	77286	0.43 ng/uL#	89
86) Chrysene	21.547	228	69406	0.40 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.559	149	3265608	27.92 ng/uL	94
88) Di-n-octyl Phthalate	22.229	149	16290m	0.42 ng/uL	
90) Benzo(b)fluoroanthene	22.701	252	63696m	0.65 ng/uL	
91) Benzo(k)fluoranthene	22.719	252	36389m	0.33 ng/uL	
92) Benzo(a)pyrene	23.121	252	35238	0.38 ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.835	276	12966	0.16 ng/uL#	75
94) Dibdenz(a,h)anthracene	24.858	278	4559	0.07 ng/uL	94
95) Benzo(g,h,i)Perylene	25.324	276	11191	0.16 ng/uL#	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 07:51:03 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

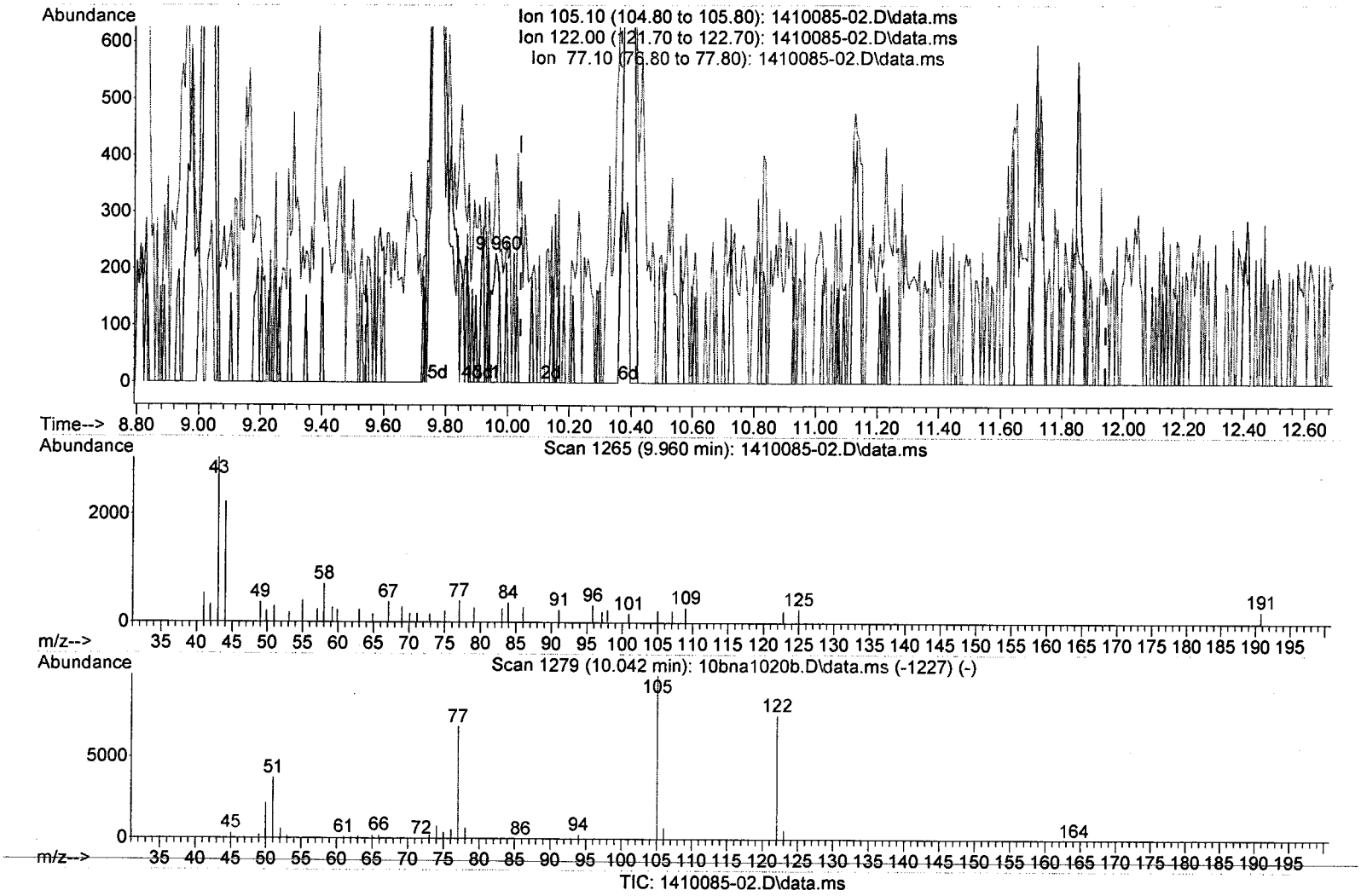
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.669	152	365314	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.391	136	1444970	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.495	164	791714	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1265893	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	975421	5.00	ng/uL	#	0.00
22) Perylene-d12	23.197	264	542492	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.368	74	2111	0.04	ng/uL		85
3) Pyridine	3.315	79	1510	0.01	ng/uL		92
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.801	105	154	0.00	ng/uL	#	1
6) Acetophenone	8.503	105	2180	0.02	ng/uL	#	74
7) N-Nitroso-di-n-propyla...	8.532	70	1875	0.03	ng/uL	#	72
9) 4-Chloroaniline	10.578	127	727	0.02	ng/uL	#	72
10) Caprolactam	11.341	55	1179	0.12	ng/uL	#	1
12) 1,1'-Biphenyl	13.177	154	1942	0.01	ng/uL	#	77
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.899	138	56	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.156	169	597	0.00	ng/uL	#	61
18) Atrazine	17.555	200	200	Below Cal		#	25
20) Benzidine	20.044	184	215	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.582	252	292	0.01	ng/uL	#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.960min (-0.082) 2.46 ng/uL

response 382

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	239.79#
0.00	0.00	0.00

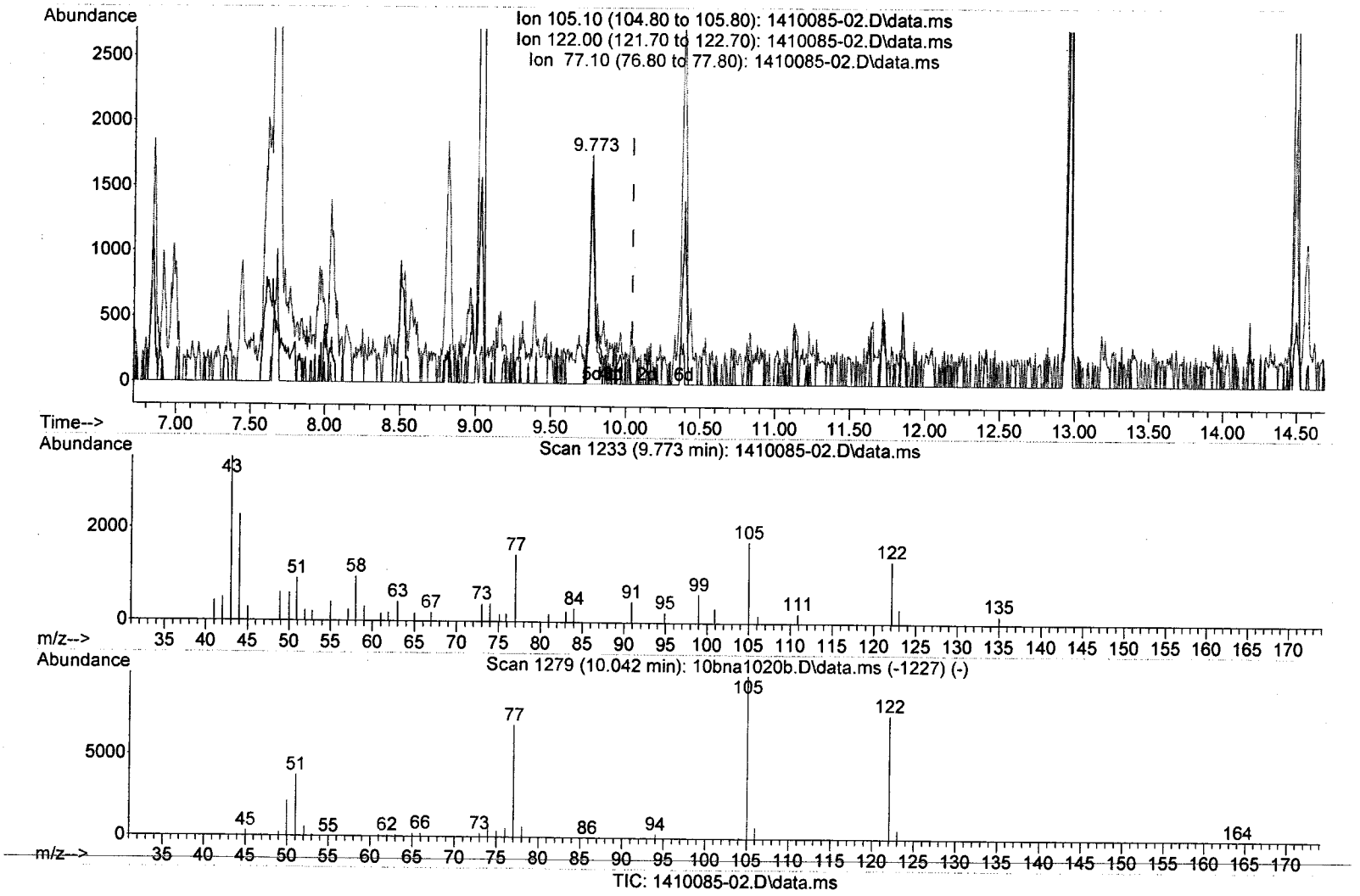
JWS 10/21/14

DWS 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.773min (-0.268) 2.52 ng/uL m

response 5011

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	18.28#
0.00	0.00	0.00

Manual Integration Explanation

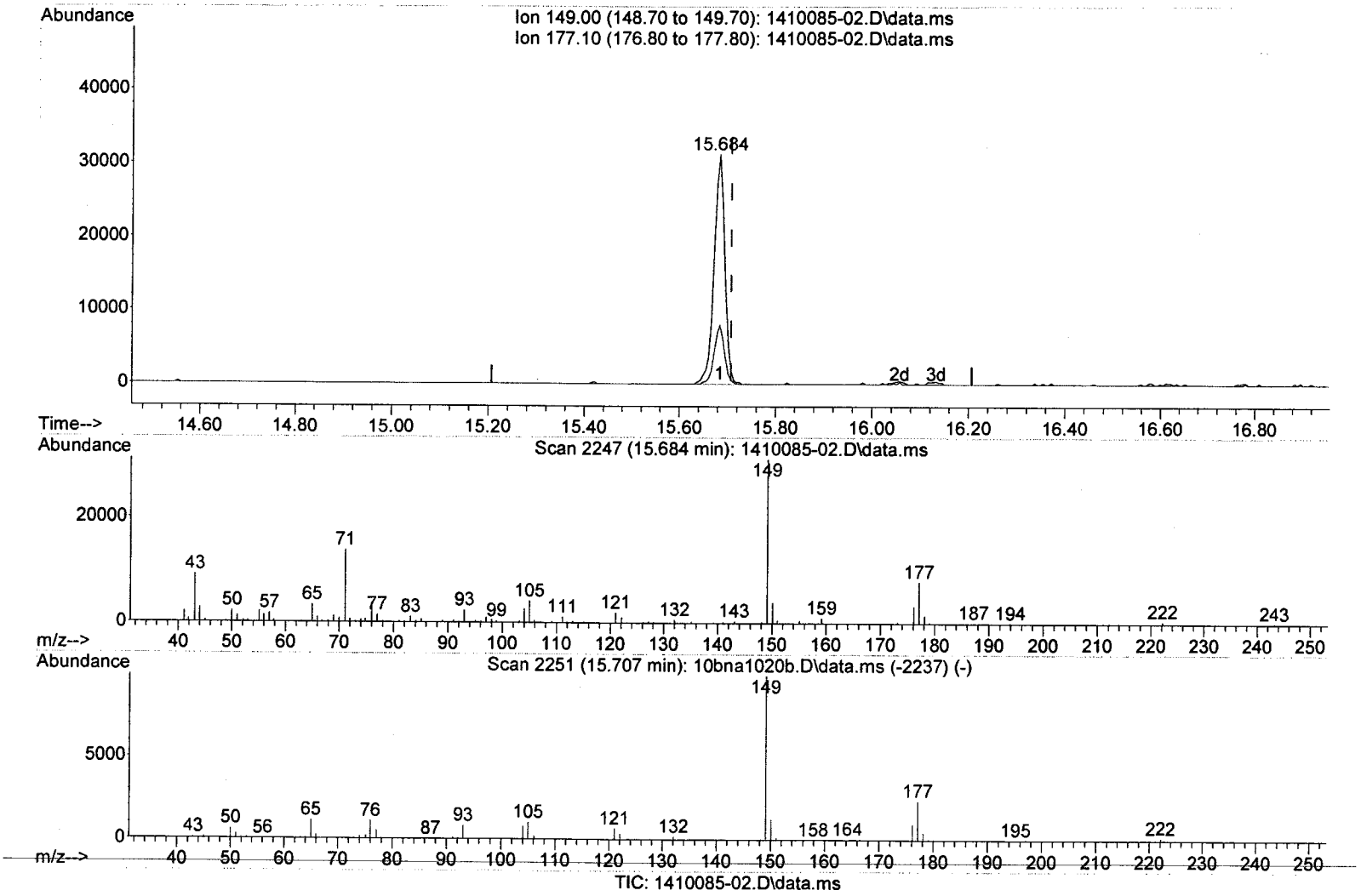
Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/21/14
Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

15.684min (-0.023) 0.30 ng/uL

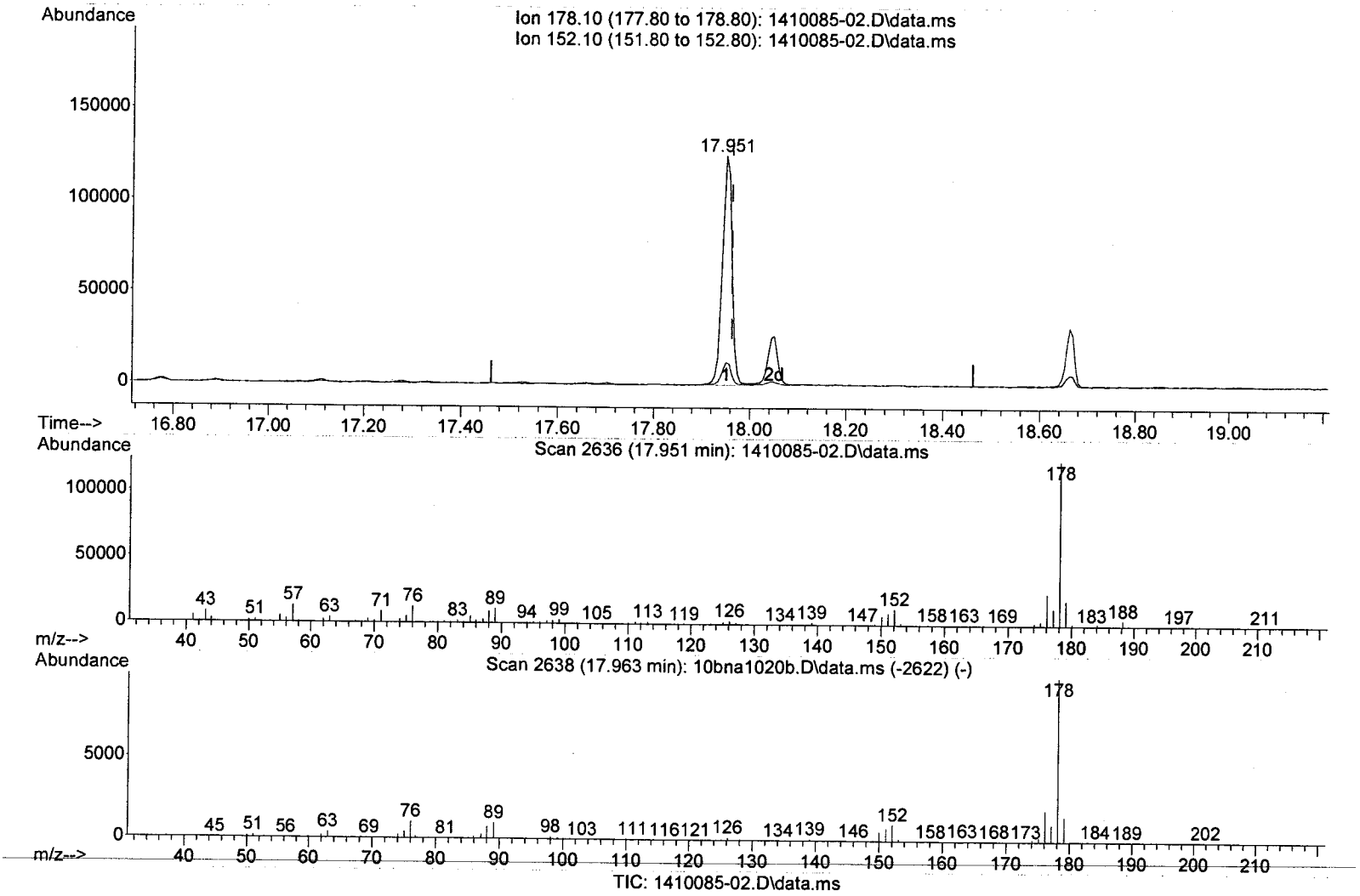
response 48597

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	24.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(75) Phenanthrene

17.951min (-0.012) 0.70 ng/uL

response 172062

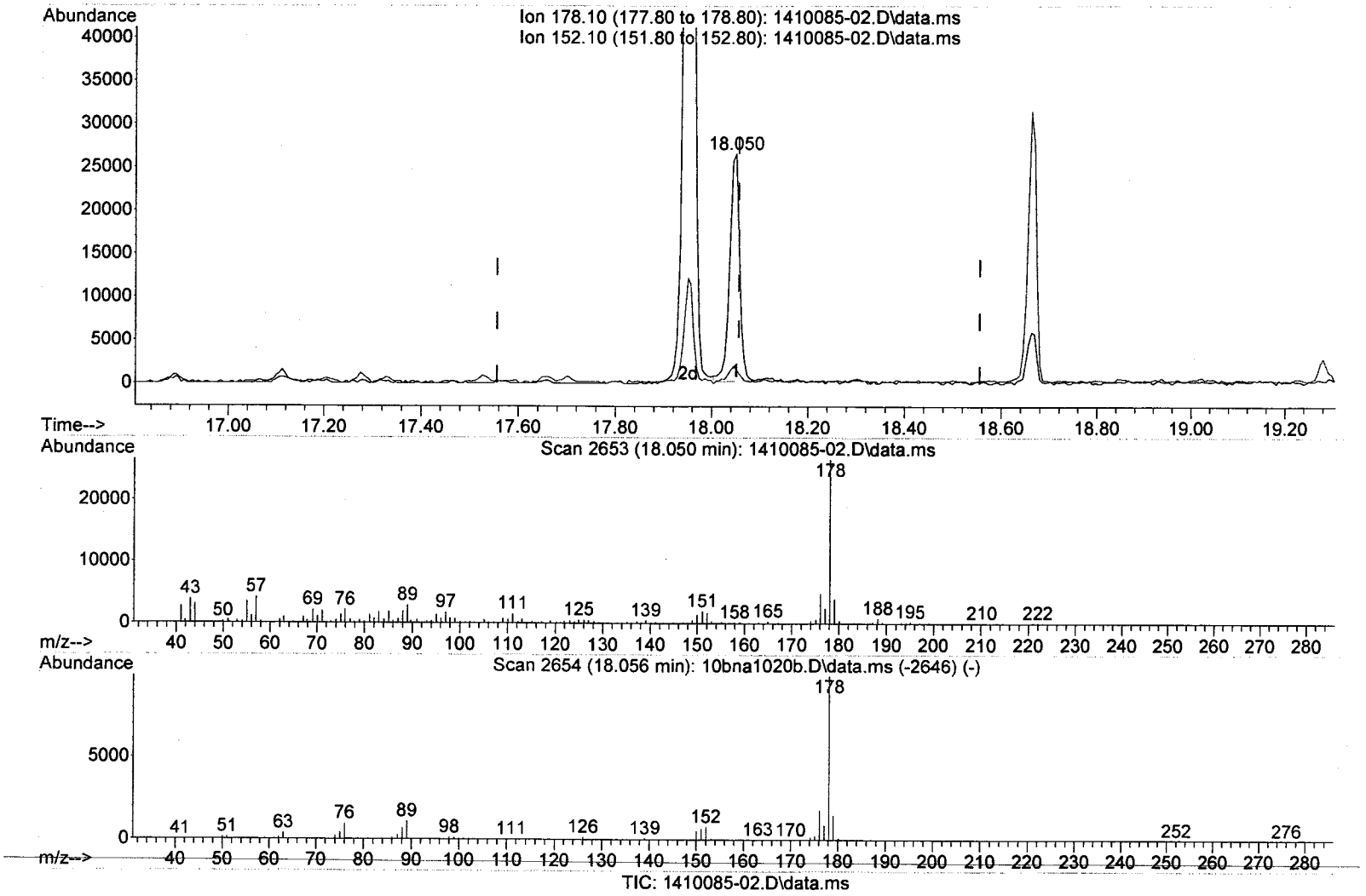
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	10.35
0.00	0.00	0.00
0.00	0.00	0.00

003873

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(76) Anthracene

18.050min (-0.006) 0.16 ng/uL

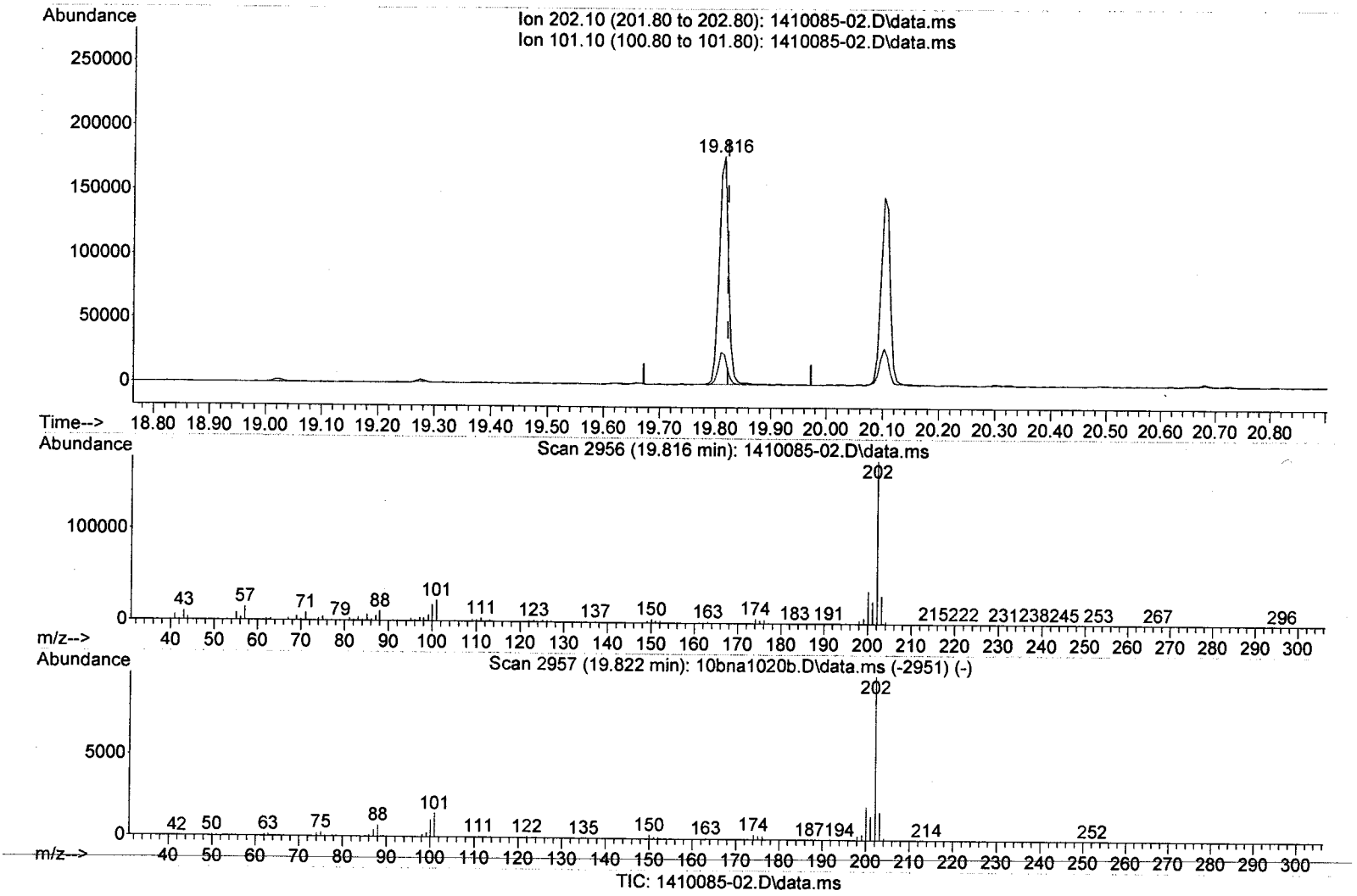
response 37462

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	7.90	10.06#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(80) Fluoroanthene (C)

19.816min (-0.006) 0.86 ng/uL

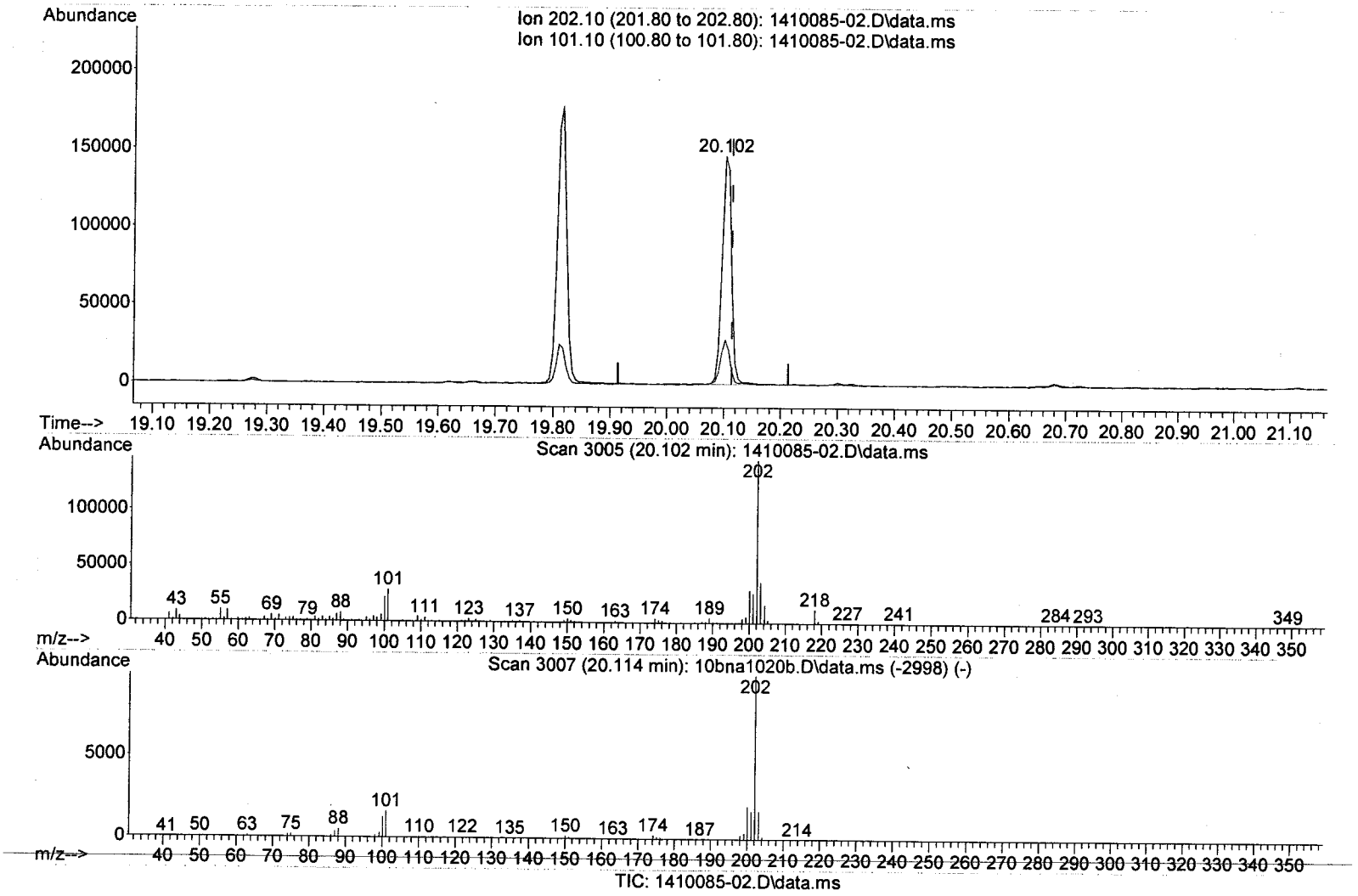
response 202020

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	13.97
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(82) Pyrene

20.102min (-0.012) 0.72 ng/uL

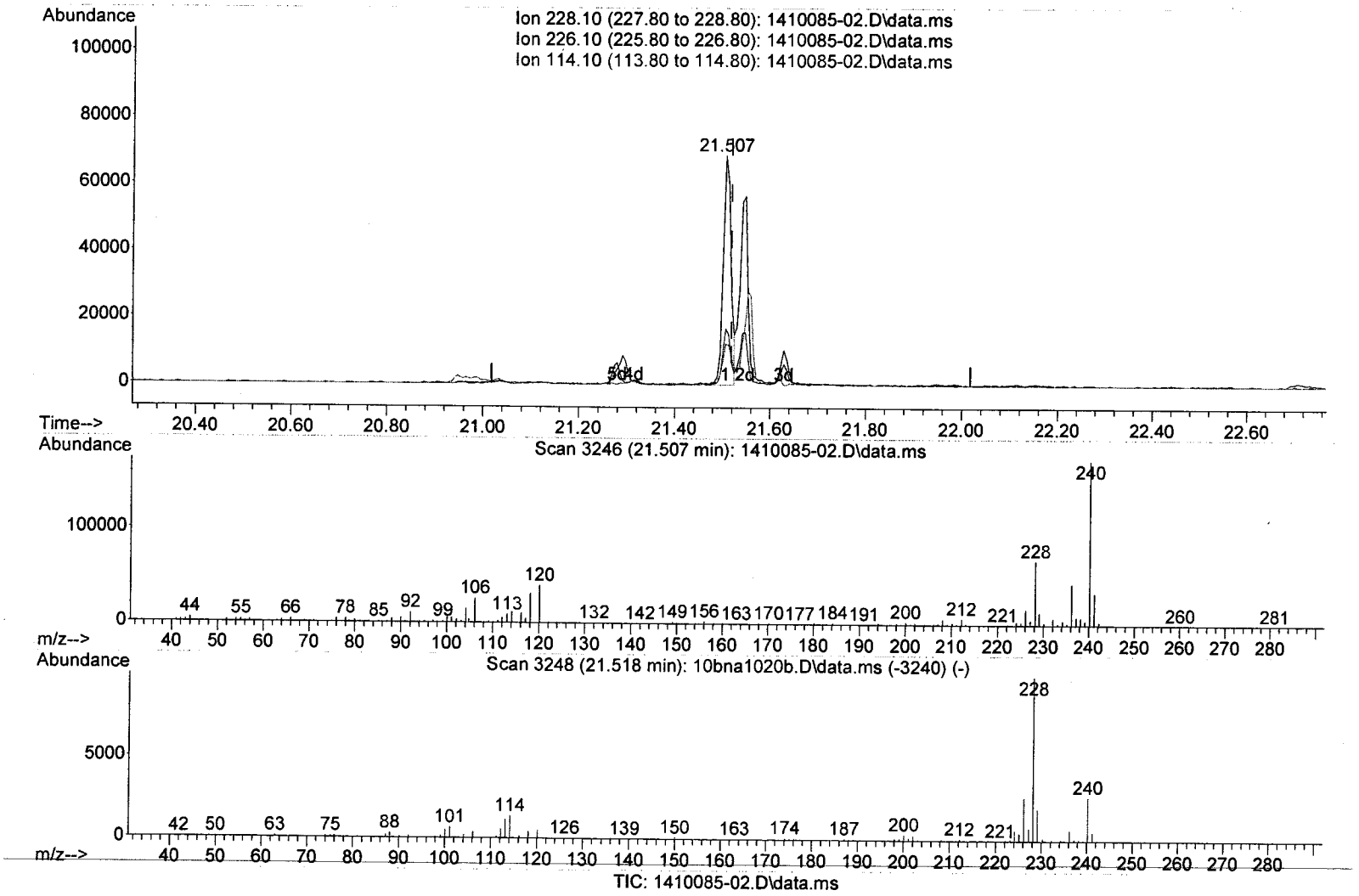
response 165773

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	20.60#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(85) Benzo(a)anthracene

21.507min (-0.012) 0.43 ng/uL

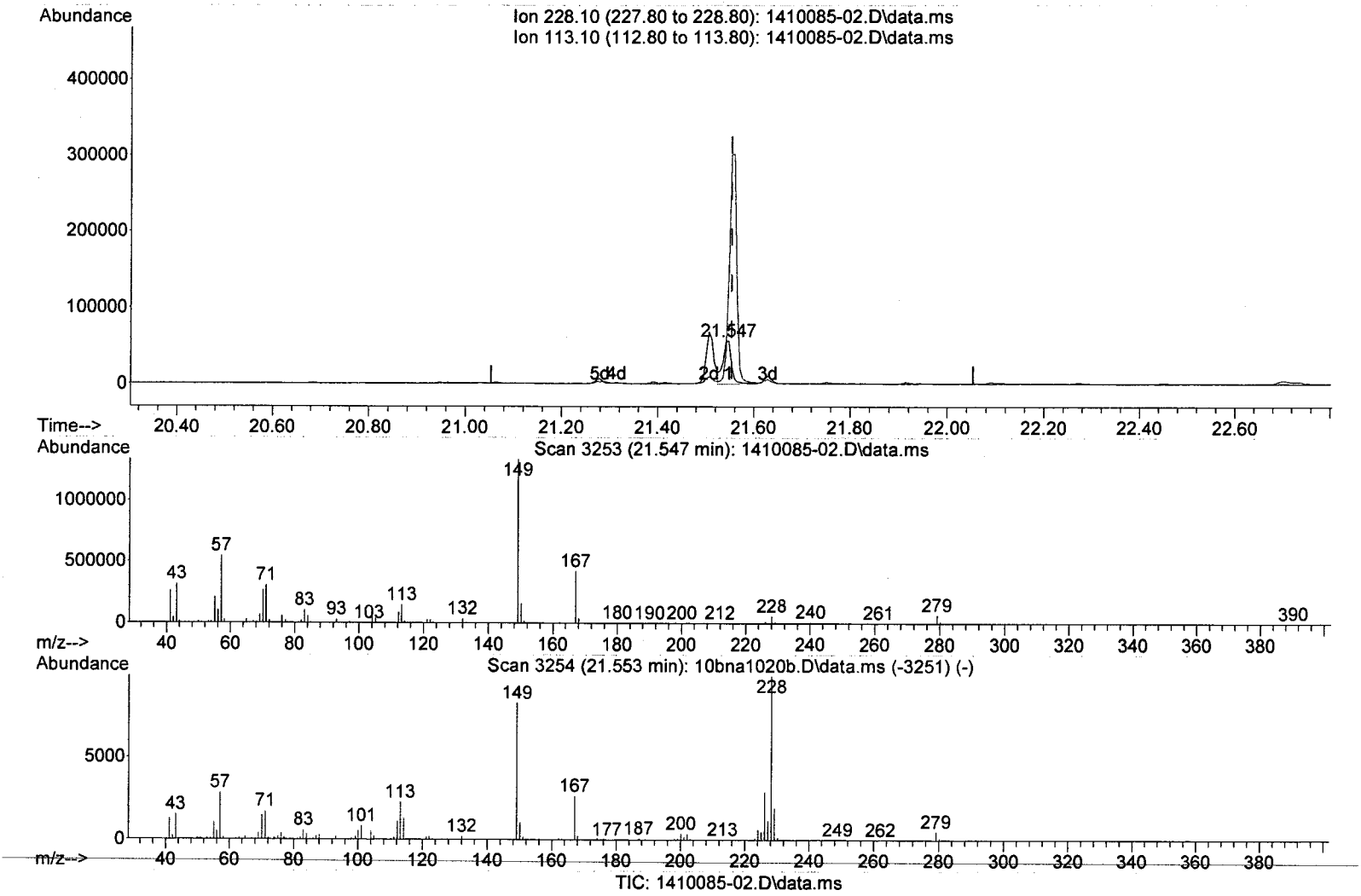
response 77286

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	24.94
114.10	13.30	24.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(86) Chrysene

21.547min (-0.006) 0.40 ng/uL

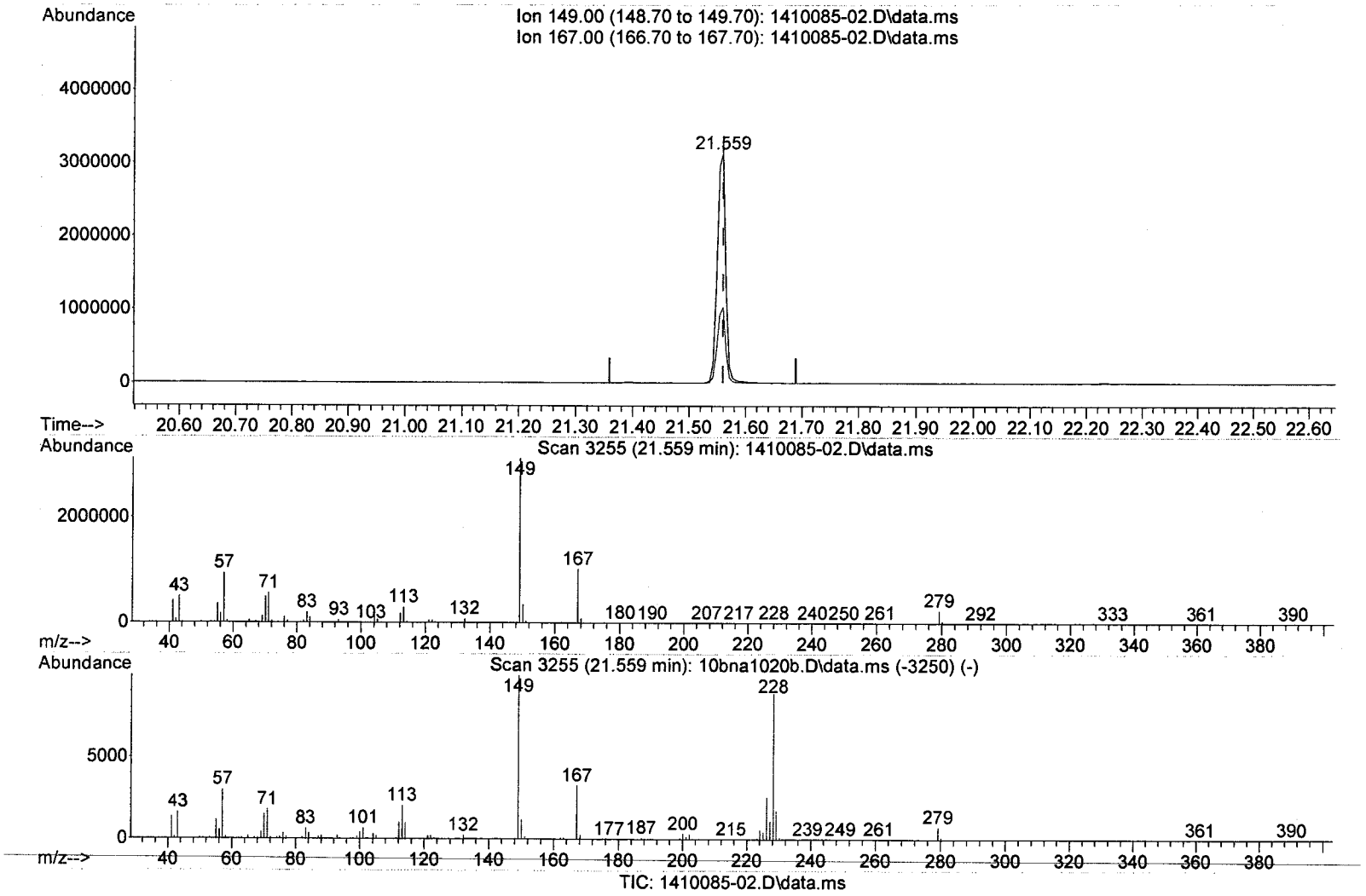
response 69406

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	475.69#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.559min (-0.000) 27.92 ng/uL

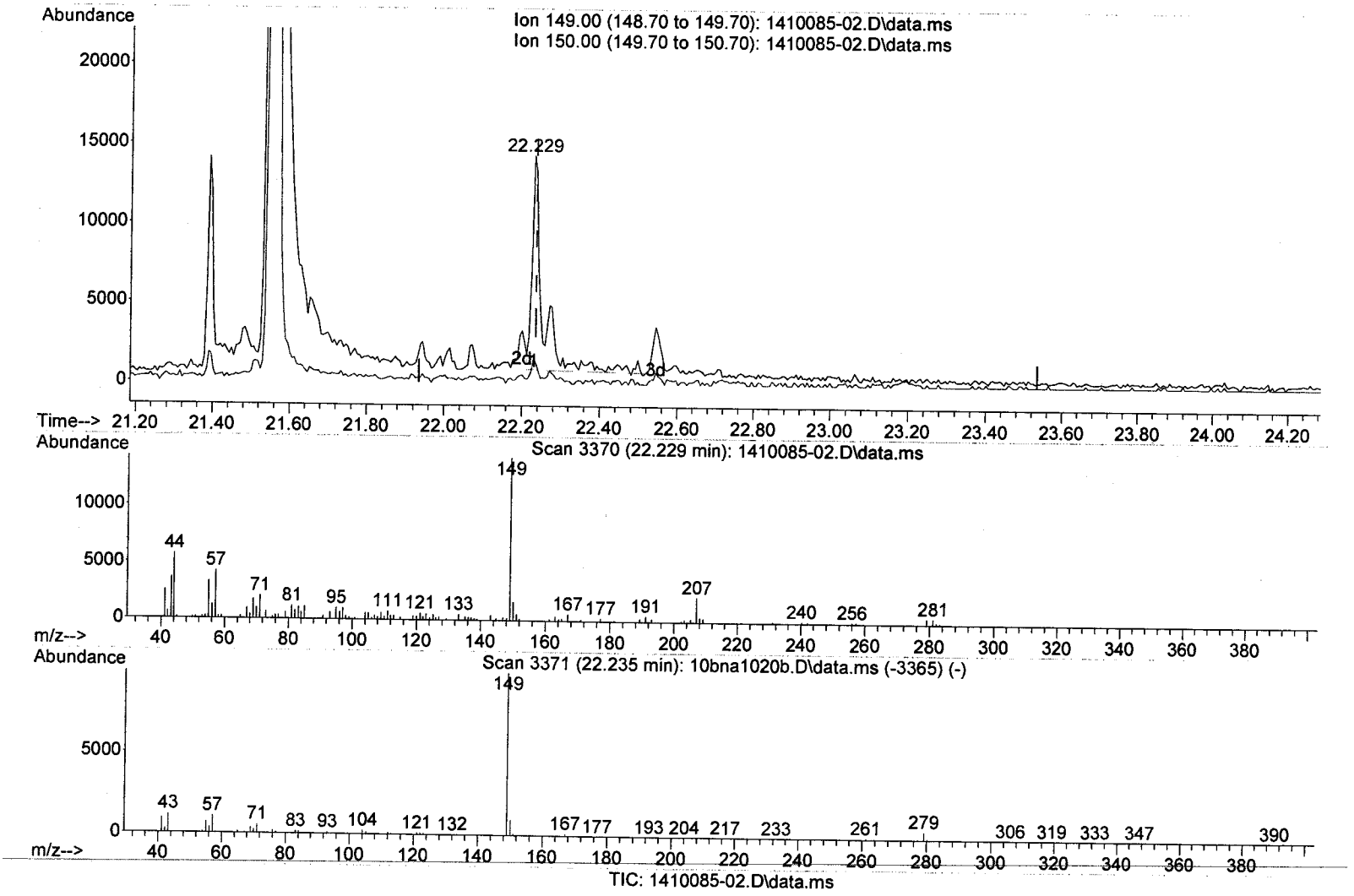
response 3265608

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	32.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 0.46 ng/uL

response 26115

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	5.44#
0.00	0.00	0.00
0.00	0.00	0.00

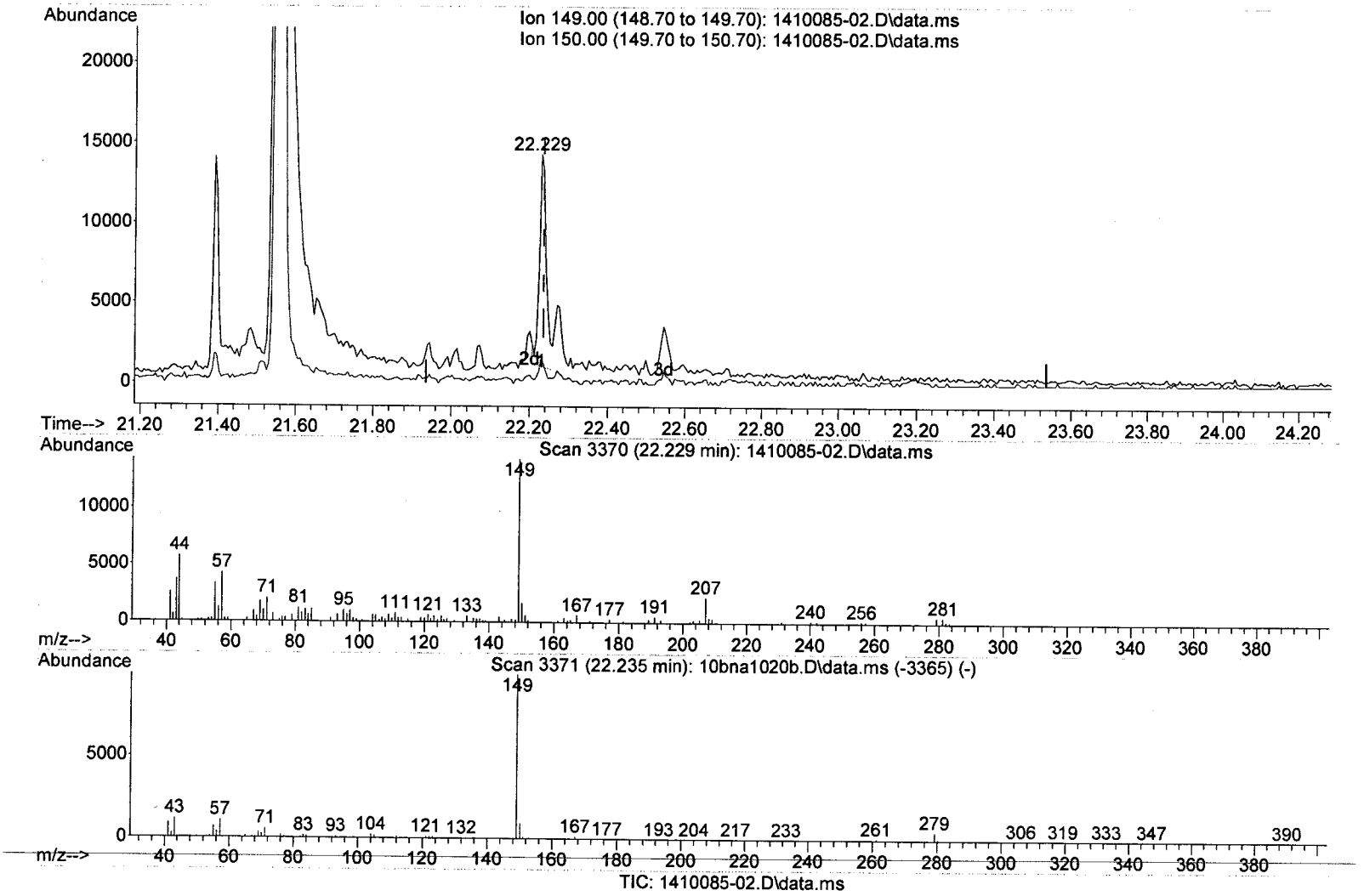
JVB 10/21/14

DWO 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 0.42 ng/uL m

response 16290

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	8.72
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

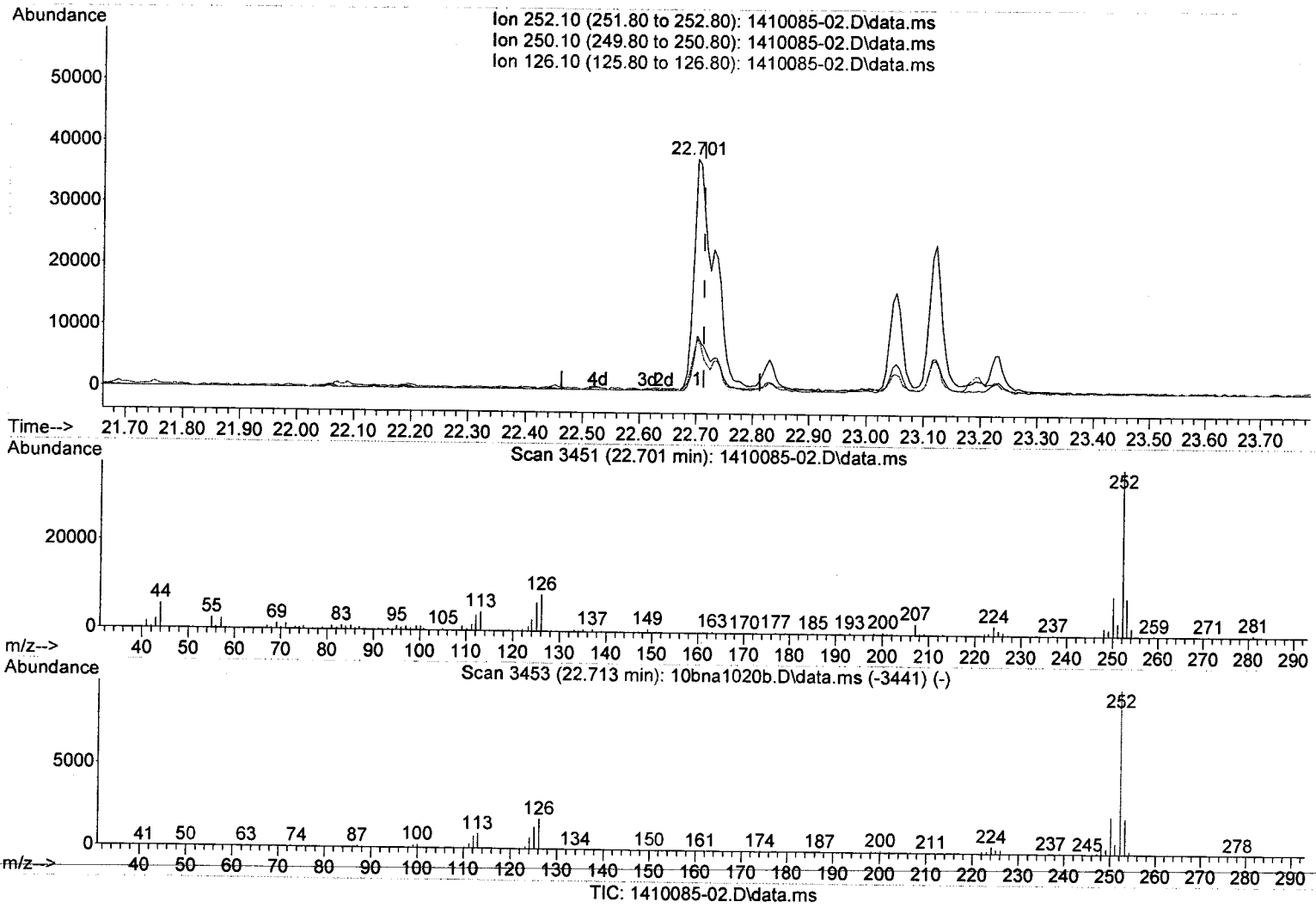
Analyst: JLB Date: 10/21/14

Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.701min (-0.012) 0.94 ng/uL

response 92511

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	23.59
126.10	17.20	14.80
0.00	0.00	0.00

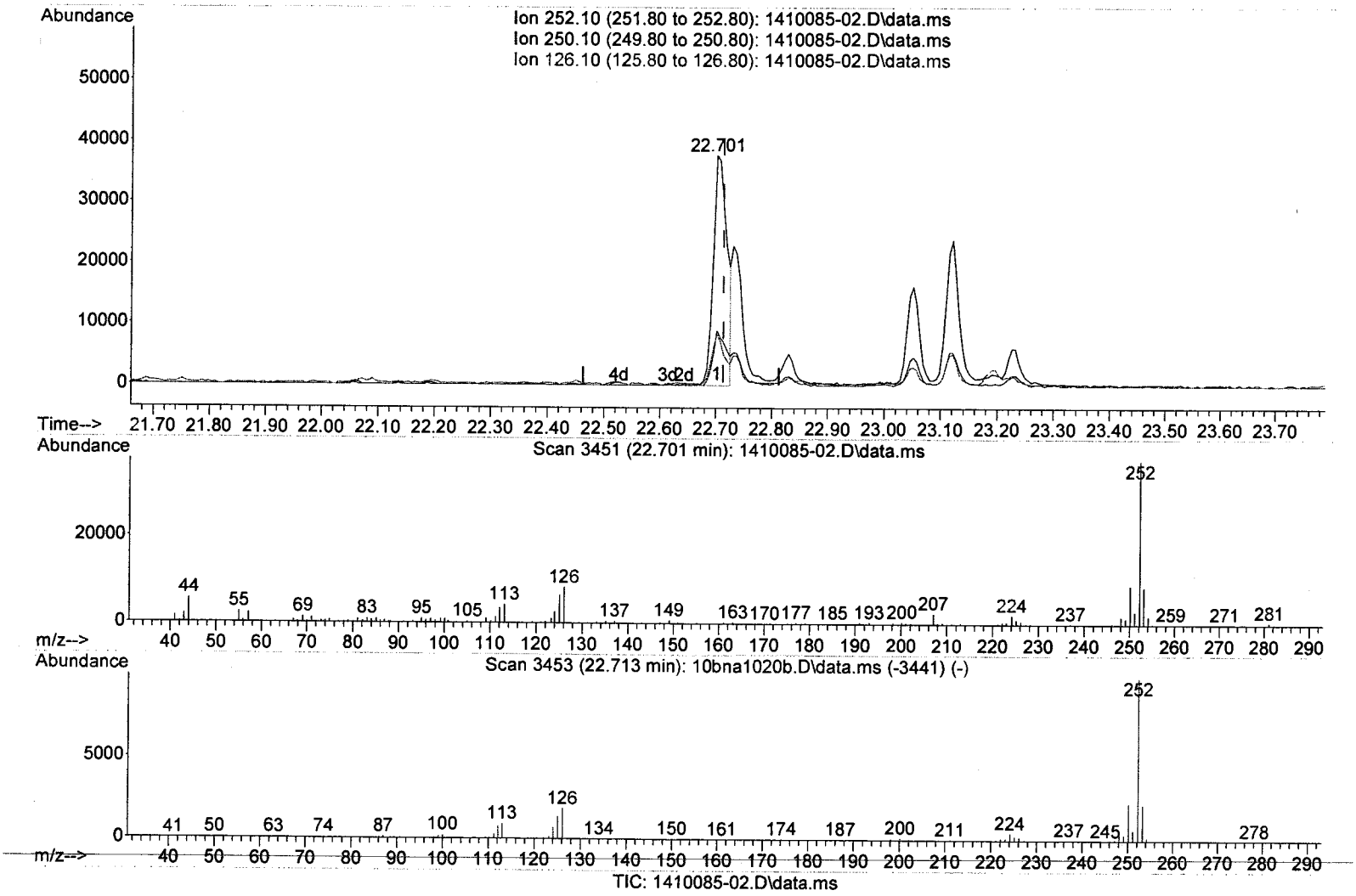
DW 10-22-14

JW 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.701min (-0.012) 0.65 ng/uL m

response 63696

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	34.26#
126.10	17.20	21.49#
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: (Yes) / No

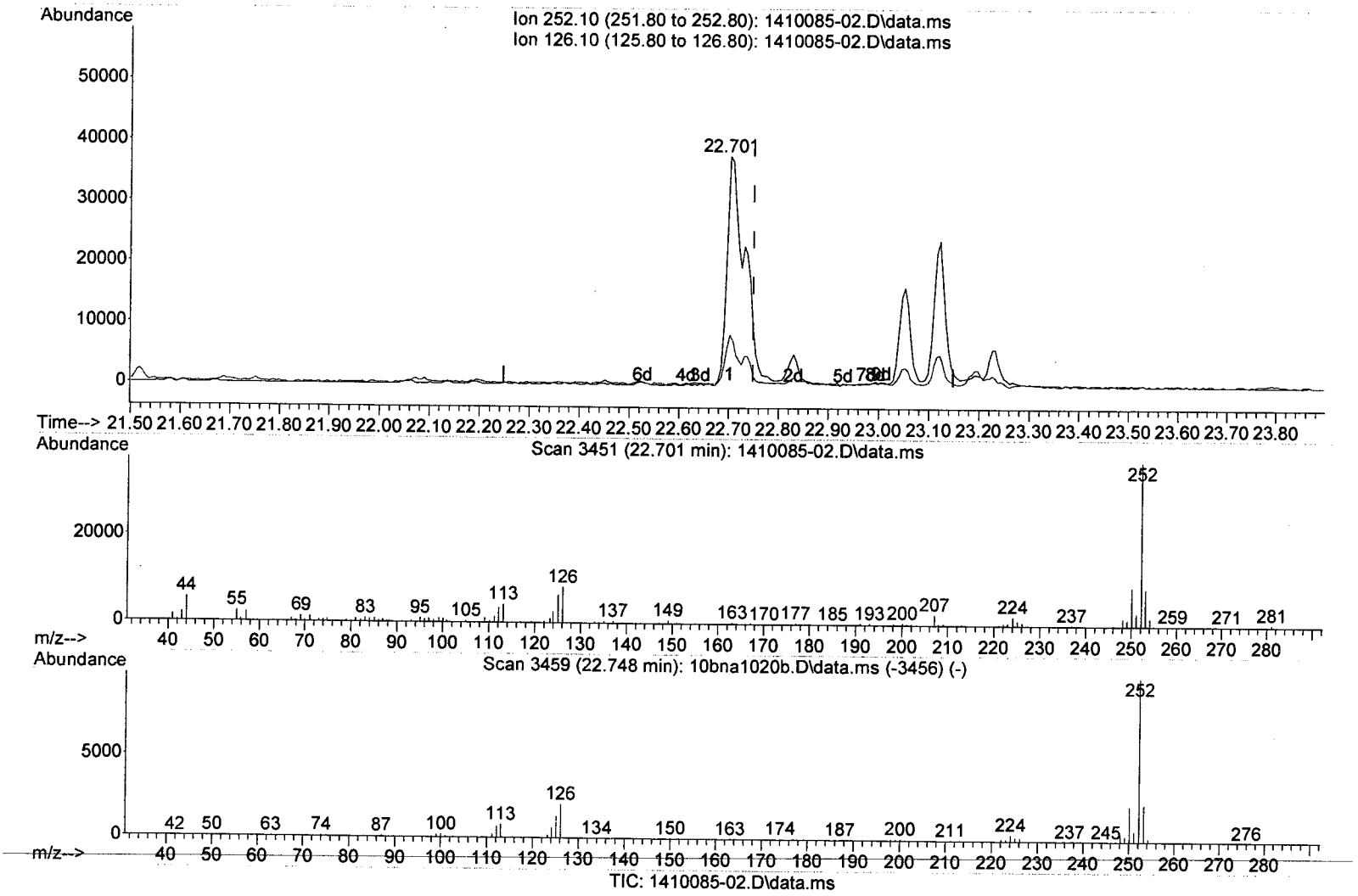
Analyst: _____ Date: 10/21/14

Reviewed By: _____ Date: 10.22.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.701min (-0.047) 0.83 ng/uL

response 92727

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	14.76#
0.00	0.00	0.00
0.00	0.00	0.00

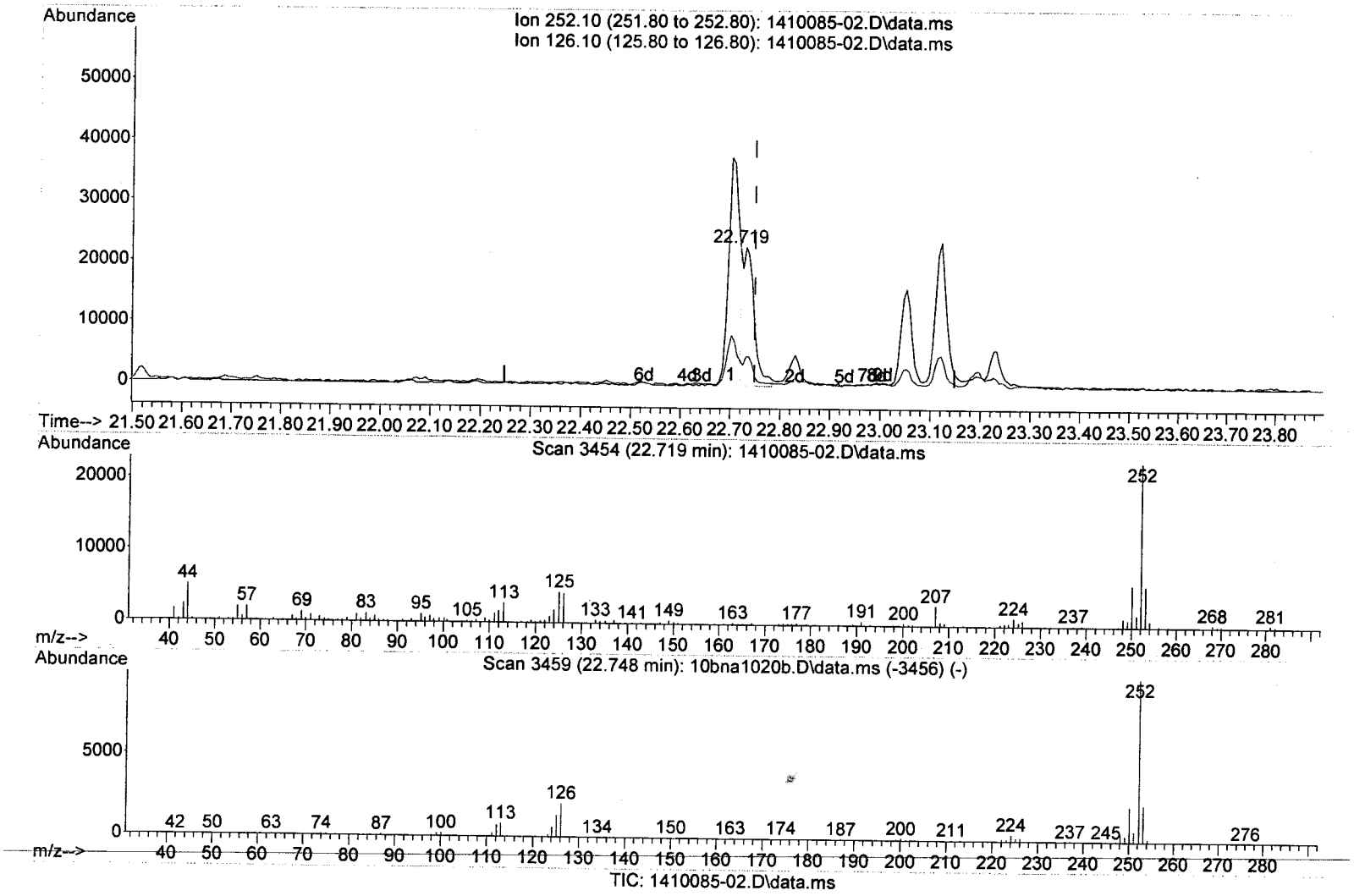
DW 10-22-14

JLB 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.719min (-0.029) 0.33 ng/uL m

response 36389

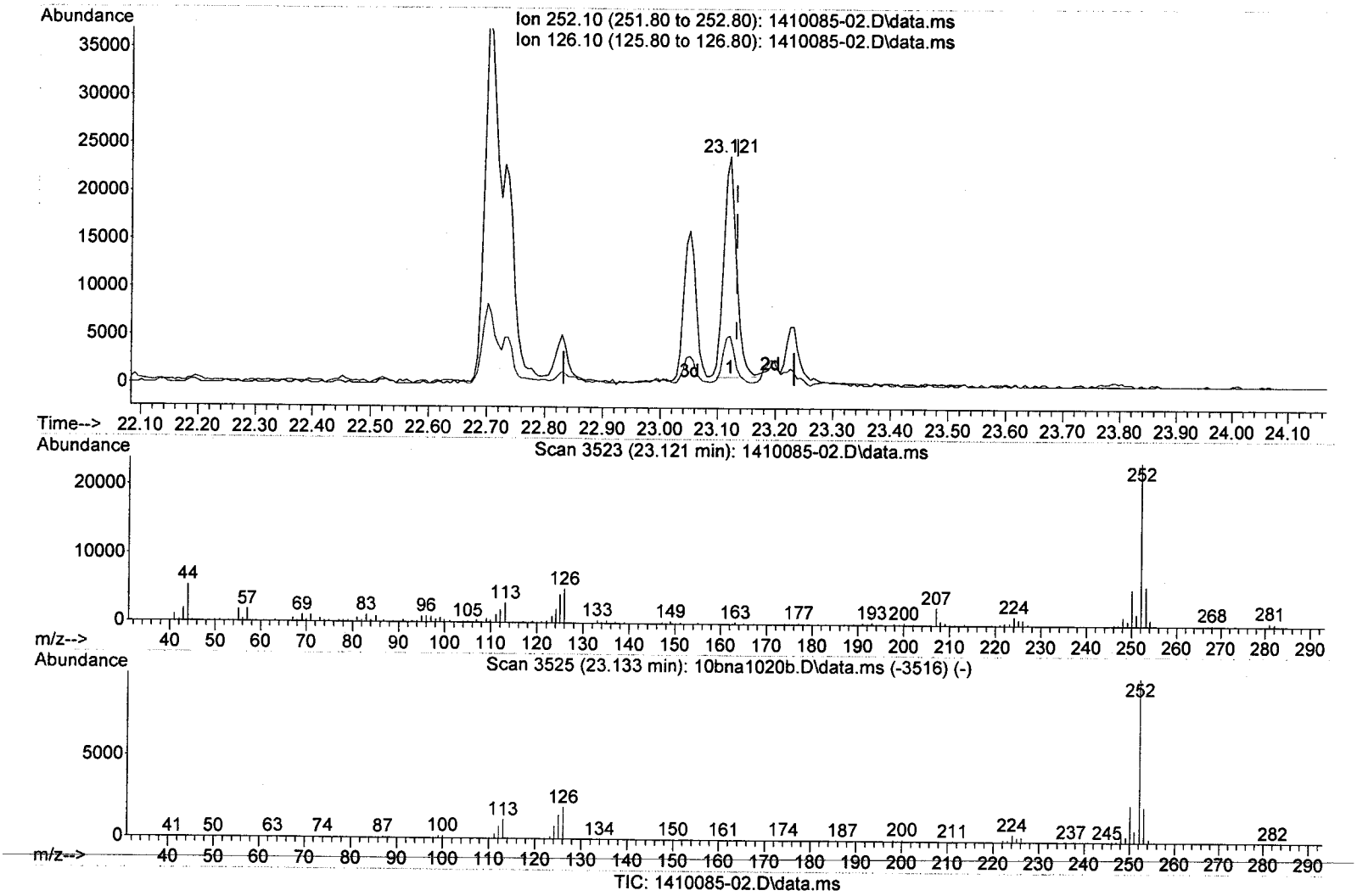
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	37.62#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/21/14
Reviewed By: DMC Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

23.121min (-0.012) 0.38 ng/uL

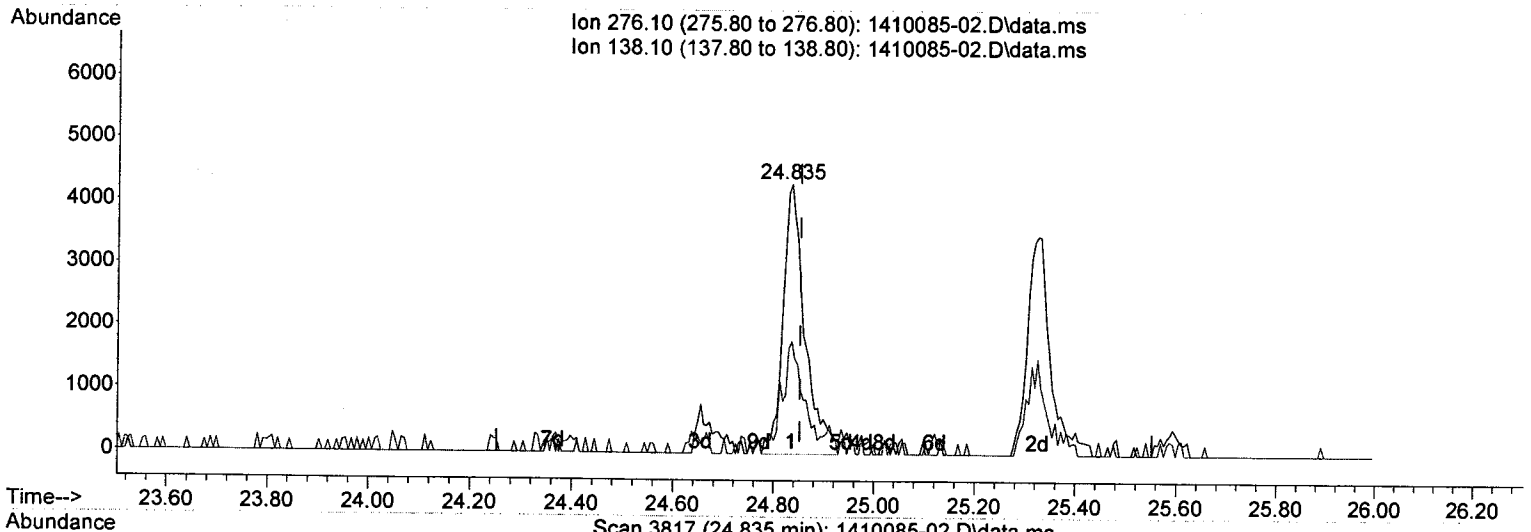
response 35238

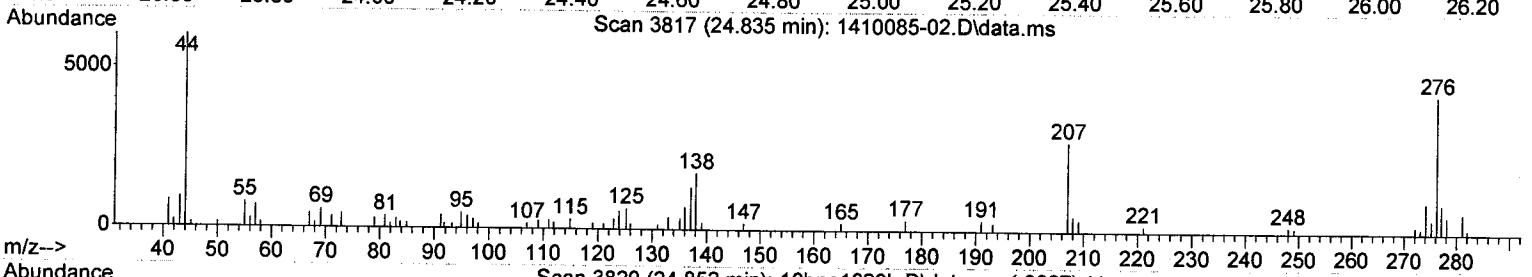
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	19.98
0.00	0.00	0.00
0.00	0.00	0.00

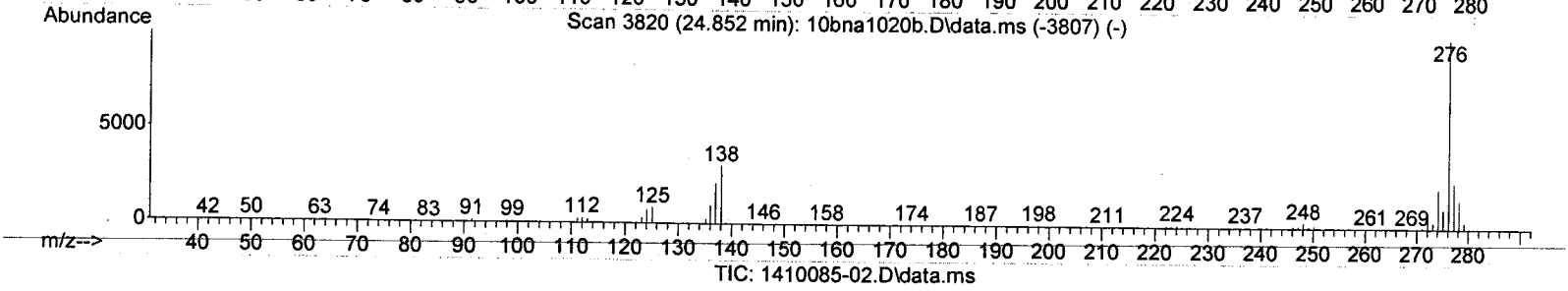
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410085-02.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.835min (-0.018) 0.16 ng/uL

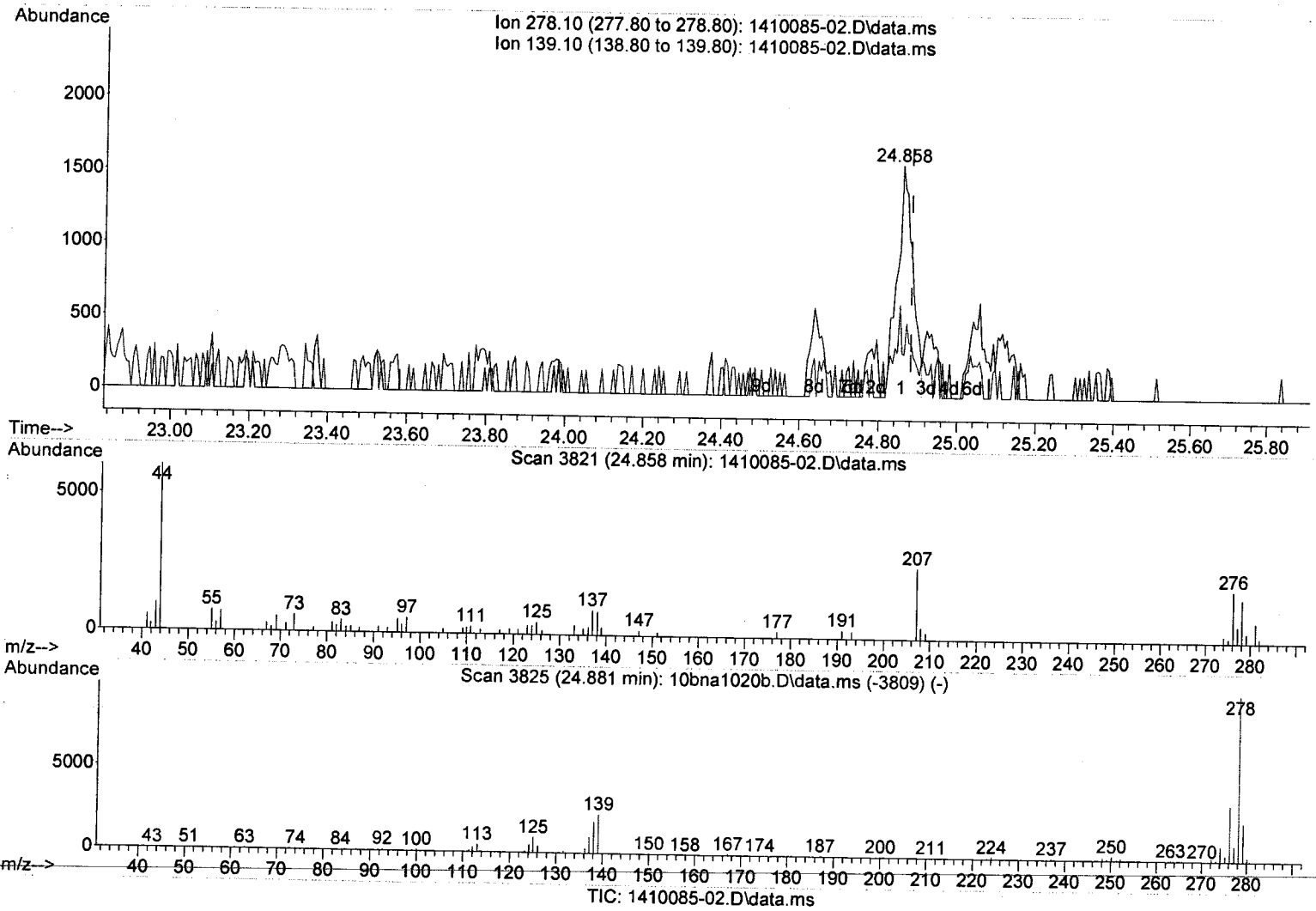
response 12966

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	42.23#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(94) Dibdenz(a,h)anthracene

24.858min (-0.023) 0.07 ng/uL

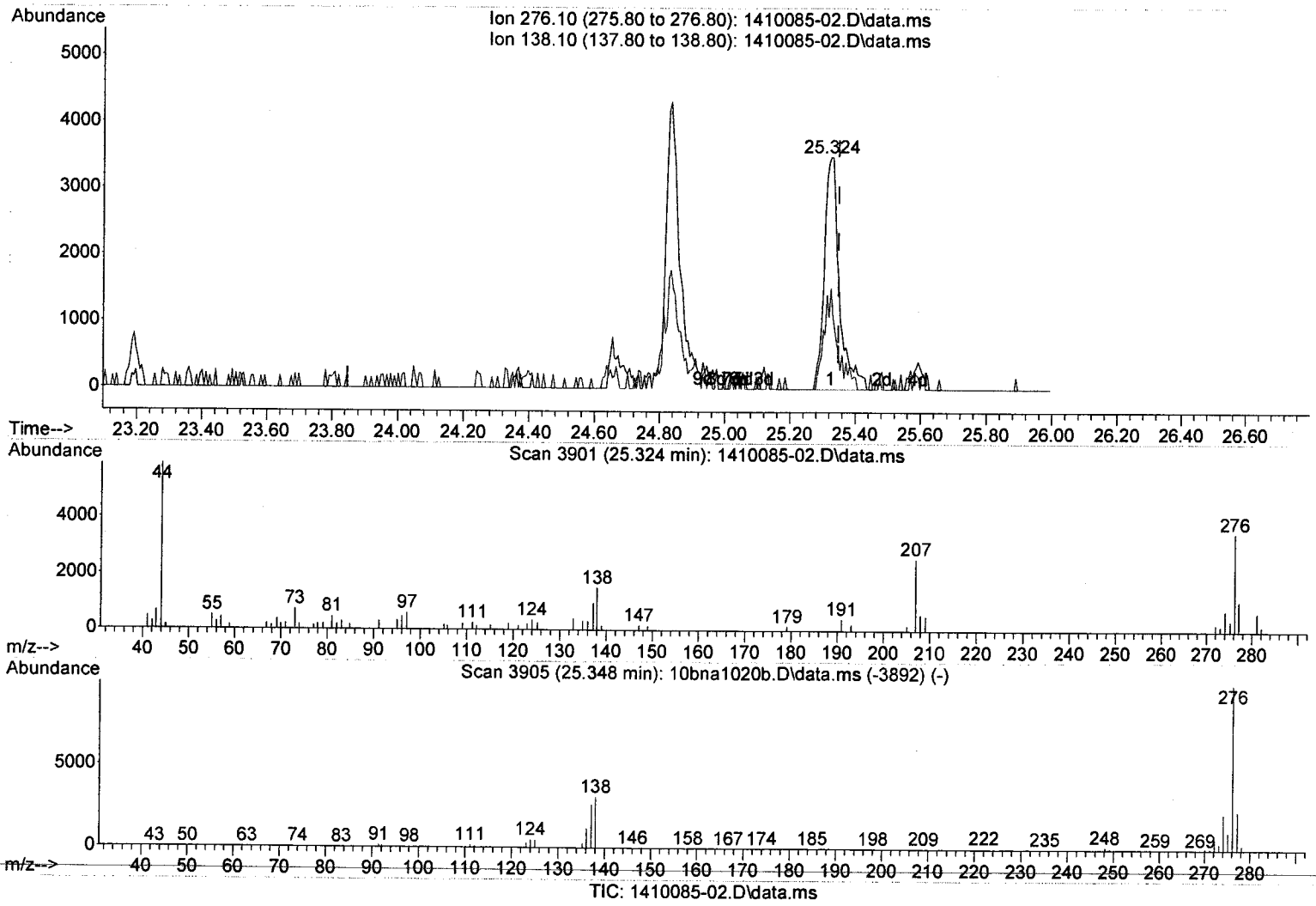
response 4559

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	19.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-02.D
Acq On : 20 Oct 2014 23:34
Operator : JLB
Sample : 1410085-02 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 08:10:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.324min (-0.023) 0.16 ng/uL

response 11191

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	38.84#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB34-37

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-02RE1 File ID: 1410085-02 2x.D

Sampled: 10/01/14 09:36 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 18:44

Solids: 95.81 Preparation: 3550C Sonication Extract Initial/Final: 30.4 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	2	35	9.7	35	35	U
208-96-8	Acenaphthylene	2	35	8.7	35	35	U
120-12-7	Anthracene	2	35	8.4	35	35	U
56-55-3	Benzo(a)anthracene	2	14	5.7	17	35	J
50-32-8	Benzo(a)pyrene	2	11	4.8	17	35	J
205-99-2	Benzo(b)fluoranthene	2	17	4.0	17	35	J
207-08-9	Benzo(k)fluoranthene	2	11	4.1	17	35	J
191-24-2	Benzo(g,h,i)perylene	2	5.5	3.9	17	70	J
65-85-0	Benzoic Acid	2	350	140	350	700	U
100-51-6	Benzyl Alcohol	2	35	9.6	35	35	U
101-55-3	4-Bromophenyl Phenyl Ether	2	35	8.4	35	35	U
85-68-7	Butyl Benzyl Phthalate	2	35	8.3	35	70	U
86-74-8	Carbazole	2	35	8.4	35	350	U
59-50-7	4-Chloro-3-methylphenol	2	35	10	35	35	U
106-47-8	4-Chloroaniline	2	35	18	35	140	U
111-91-1	Bis(2-chloroethoxy)methane	2	35	8.5	35	35	U
111-44-4	Bis(2-chloroethyl) Ether	2	35	8.2	35	35	U
108-60-1	Bis(2-chloroisopropyl) Ether	2	17	7.7	17	35	U
91-58-7	2-Chloronaphthalene	2	35	10	35	35	U
95-57-8	2-Chlorophenol	2	35	8.2	35	35	U
7005-72-3	4-Chlorophenyl Phenyl Ether	2	35	7.9	35	35	U
218-01-9	Chrysene	2	13	8.1	35	35	J
53-70-3	Dibenz(a,h)anthracene	2	17	4.0	17	70	U
132-64-9	Dibenzofuran	2	35	10	35	35	U
84-74-2	Di-n-butyl Phthalate	2	70	28	70	140	U
106-46-7	1,4-Dichlorobenzene	2	35	10	35	35	U
95-50-1	1,2-Dichlorobenzene	2	35	11	35	35	U
541-73-1	1,3-Dichlorobenzene	2	35	12	35	35	U
91-94-1	3,3´-Dichlorobenzidine	2	1400	580	1400	1700	U
120-83-2	2,4-Dichlorophenol	2	35	8.5	35	70	U
84-66-2	Diethyl Phthalate	2	35	10	35	35	U
105-67-9	2,4-Dimethylphenol	2	280	76	280	350	U
131-11-3	Dimethyl Phthalate	2	35	9.9	35	35	U
534-52-1	4,6-Dinitro-2-methylphenol	2	140	45	140	350	U
51-28-5	2,4-Dinitrophenol	2	350	120	350	350	U
606-20-2	2,6-Dinitrotoluene	2	17	8.4	17	35	U
121-14-2	2,4-Dinitrotoluene	2	17	6.8	17	70	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB34-37

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-02RE1 File ID: 1410085-02 2x.D

Sampled: 10/01/14 09:36 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 18:44

Solids: 95.81 Preparation: 3550C Sonication Extract Initial/Final: 30.4 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	2	24	8.1	35	35	JB
122-66-7	1,2-Diphenylhydrazine	2	17	7.0	17	35	U
117-81-7	Bis(2-ethylhexyl) Phthalate	2	920	24	35	70	
206-44-0	Fluoranthene	2	27	9.3	35	35	J
86-73-7	Fluorene	2	35	8.4	35	70	U
118-74-1	Hexachlorobenzene	2	35	9.9	35	35	U
87-68-3	Hexachlorobutadiene	2	35	9.6	35	35	U
67-72-1	Hexachloroethane	2	35	10	35	35	U
193-39-5	Indeno(1,2,3-cd)pyrene	2	6.2	5.6	17	70	J
78-59-1	Isophorone	2	35	8.0	35	35	U
91-57-6	2-Methylnaphthalene	2	35	9.5	35	35	U
108-39-4	3+4-Methylphenol	2	17	7.7	17	35	U
95-48-7	2-Methylphenol	2	17	7.4	17	35	U
91-20-3	Naphthalene	2	35	12	35	35	U
100-01-6	4-Nitroaniline	2	140	51	140	690	U
88-74-4	2-Nitroaniline	2	17	7.5	17	35	U
99-09-2	3-Nitroaniline	2	70	34	70	690	U
98-95-3	Nitrobenzene	2	35	9.6	35	35	U
88-75-5	2-Nitrophenol	2	35	9.3	35	35	U
100-02-7	4-Nitrophenol	2	700	210	700	1400	U
62-75-9	N-Nitroso-dimethylamine	2	14	6.9	14	70	U
86-30-6	N-Nitroso-diphenylamine	2	17	7.2	17	35	U
621-64-7	N-Nitroso-di-n-propylamine	2	35	8.4	35	35	U
87-86-5	Pentachlorophenol	2	35	28	35	350	U
85-01-8	Phenanthrene	2	23	8.5	35	35	J
108-95-2	Phenol	2	35	8.1	35	350	U
129-00-0	Pyrene	2	23	9.0	35	35	J
120-82-1	1,2,4-Trichlorobenzene	2	35	9.2	35	35	U
95-95-4	2,4,5-Trichlorophenol	2	35	9.4	35	35	U
88-06-2	2,4,6-Trichlorophenol	2	17	5.3	17	35	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	687	512	75	33 - 113	
Phenol-d6	687	595	87	30 - 115	
Nitrobenzene-d5	343	289	84	33 - 131	
2-Fluorobiphenyl	343	304	88	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB34-37

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-02RE1
File ID: 1410085-02 2x.D
Sampled: 10/01/14 09:36
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 18:44
Solids: 95.81
Preparation: 3550C Sonication Extract
Initial/Final: 30.4 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21047
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	687	332	48	12 - 124	
o-Terphenyl	343	318	93	20 - 155	

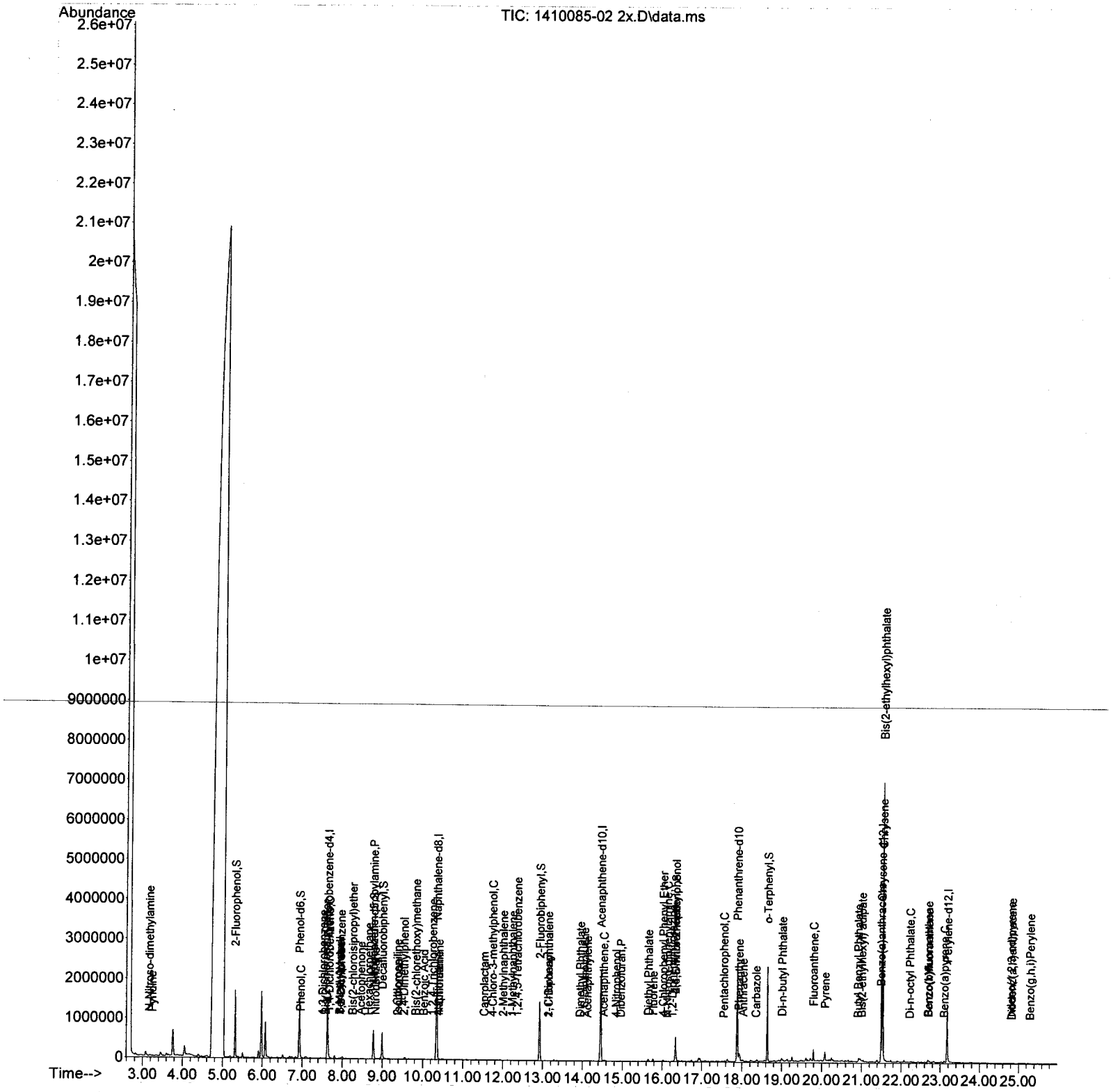
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	403193	7.628	403279	7.614	
Naphthalene-d8	1601695	10.35	1529030	10.359	
Acenaphthene-d10	908259	14.46	866604	14.474	
Phenanthrene-d10	1453679	17.881	1400442	17.901	
Chrysene-d12	1158178	21.501	1153654	21.538	
Perylene-d12	776839	23.173	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:14:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:14:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.628	152	403193	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.350	136	1601695	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.460	164	908259	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.881	188	1453679	5.00	ng/uL	0.00
81) Chrysene-d12	21.501	240	1158178m	5.00	ng/uL	0.00
89) Perylene-d12	23.173	264	776839	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.315	112	686011	7.45	ng/uL	0.13
6) Phenol-d6	6.923	99	1033511	8.67	ng/uL	0.00
21) Nitrobenzene-d5	8.777	82	430900	4.21	ng/uL	-0.01
23) Decafluorobiphenyl	8.998	334	264404	3.68	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.927	172	829507	4.42	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.336	330	106434	4.83	ng/uL	-0.02
78) o-Terphenyl	18.639	230	577292	4.63	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.164	74	63	0.00	ng/uL#	1
3) Pyridine	3.234	79	308	0.00	ng/uL	87
5) Aniline	0.000		0	N.D.		
7) Phenol	6.952	94	1172	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.582	93	410	0.00	ng/uL#	1
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.506	146	2140	0.02	ng/uL#	39
11) 1,4-Dichlorobenzene	7.663	146	933	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.955	146	1630	0.01	ng/uL#	15
13) Bis(2-chloroisipropyl)...	8.252	45	272	0.00	ng/uL#	51
14) Benzyl Alcohol	7.926	108	1097	0.02	ng/uL	91
15) 2-Methylphenol	7.926	108	1097	0.01	ng/uL#	41
16) Acetophenone	8.462	105	817	0.01	ng/uL#	72
17) Hexachloroethane	8.654	119	123	0.00	ng/uL#	3
18) 4-Methylphenol	0.000		0	N.D.		
19) N-Nitroso-di-n-propyla...	8.771	70	55256	~~0.76~~	ng/uL#	12
22) Nitrobenzene	8.818	77	58	0.00	ng/uL#	31
24) Isophorone	9.389	82	53	0.00	ng/uL#	58
25) 2-Chloroaniline	9.377	127	52	0.00	ng/uL#	1
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.534	107	61	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.826	93	58	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	10.018	105	111	~~2.46~~	ng/uL#	1
31) 1,2,4-Trichlorobenzene	10.240	180	987	0.01	ng/uL	94
32) Naphthalene	10.397	128	6905	0.02	ng/uL#	1
33) 4-Chloroaniline	10.403	127	549	0.01	ng/uL#	21
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.522	55	10441	0.23	ng/uL#	31
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	11.738	107	188	0.00	ng/uL#	1
39) 2-Methylnaphthalene	12.006	142	1797	0.01	ng/uL#	87
40) 1-Methylnaphthalene	12.239	142	1174	0.01	ng/uL	96
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:14:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.361	216	145	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.142	162	188	0.00 ng/uL#	74
49) 1,1'-Biphenyl	13.142	154	1201	0.01 ng/uL#	75
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.122	152	267	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.052	165	226	0.00 ng/uL#	31
53) Dimethyl Phthalate	13.941	163	504	0.00 ng/uL#	61
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.530	153	10400	0.05 ng/uL	99
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.955	168	5869	0.02 ng/uL	97
58) 4-Nitrophenol	14.839	65	142	0.00 ng/uL#	6
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.771	166	8151	0.04 ng/uL#	95
63) Diethyl Phthalate	15.649	149	24039	0.13 ng/uL	99
64) 4-Chlorophenyl Phenyl ...	16.022	204	957	0.01 ng/uL#	16
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	16.336	198	143	0.99 ng/uL#	1
68) N-Nitroso-diphenylamine	16.127	169	274	0.00 ng/uL#	56
69) 1,2-Diphenylhydrazine	16.249	182	985	0.02 ng/uL#	63
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.543	266	1174	0.04 ng/uL#	62
75) Phenanthrene	17.922	178	94267	0.33 ng/uL	100
76) Anthracene	18.021	178	21324	0.08 ng/uL	96
77) Carbazole	18.347	167	12341	0.05 ng/uL	96
79) Di-n-butyl Phthalate	19.012	149	9441	0.03 ng/uL	96
80) Fluoroanthene	19.793	202	107658	0.40 ng/uL	99
82) Pyrene	20.084	202	91132	0.33 ng/uL#	86
83) Butyl Benzyl Phthalate	20.906	149	2874	0.03 ng/uL	85
84) Bis(2-ethylhexyl) adipate	21.005	129	1546	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.489	228	42185	0.20 ng/uL#	83
86) Chrysene	21.530	228	38892	0.19 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.536	149	1856366	13.36 ng/uL	92
88) Di-n-octyl Phthalate	22.212	149	3256m	0.35 ng/uL	
90) Benzo(b)fluoroanthene	22.684	252	34908m	0.25 ng/uL	
91) Benzo(k)fluoranthene	22.696	252	25624m	0.16 ng/uL	
92) Benzo(a)pyrene	23.098	252	20871	0.16 ng/uL#	74
93) Indeno(1,2,3-cd)pyrene	24.800	276	10059	0.09 ng/uL#	87
94) Dibdenz(a,h)anthracene	24.823	278	3973m	0.04 ng/uL	
95) Benzo(g,h,i)Perylene	25.289	276	8277	0.08 ng/uL#	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 07:55:07 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

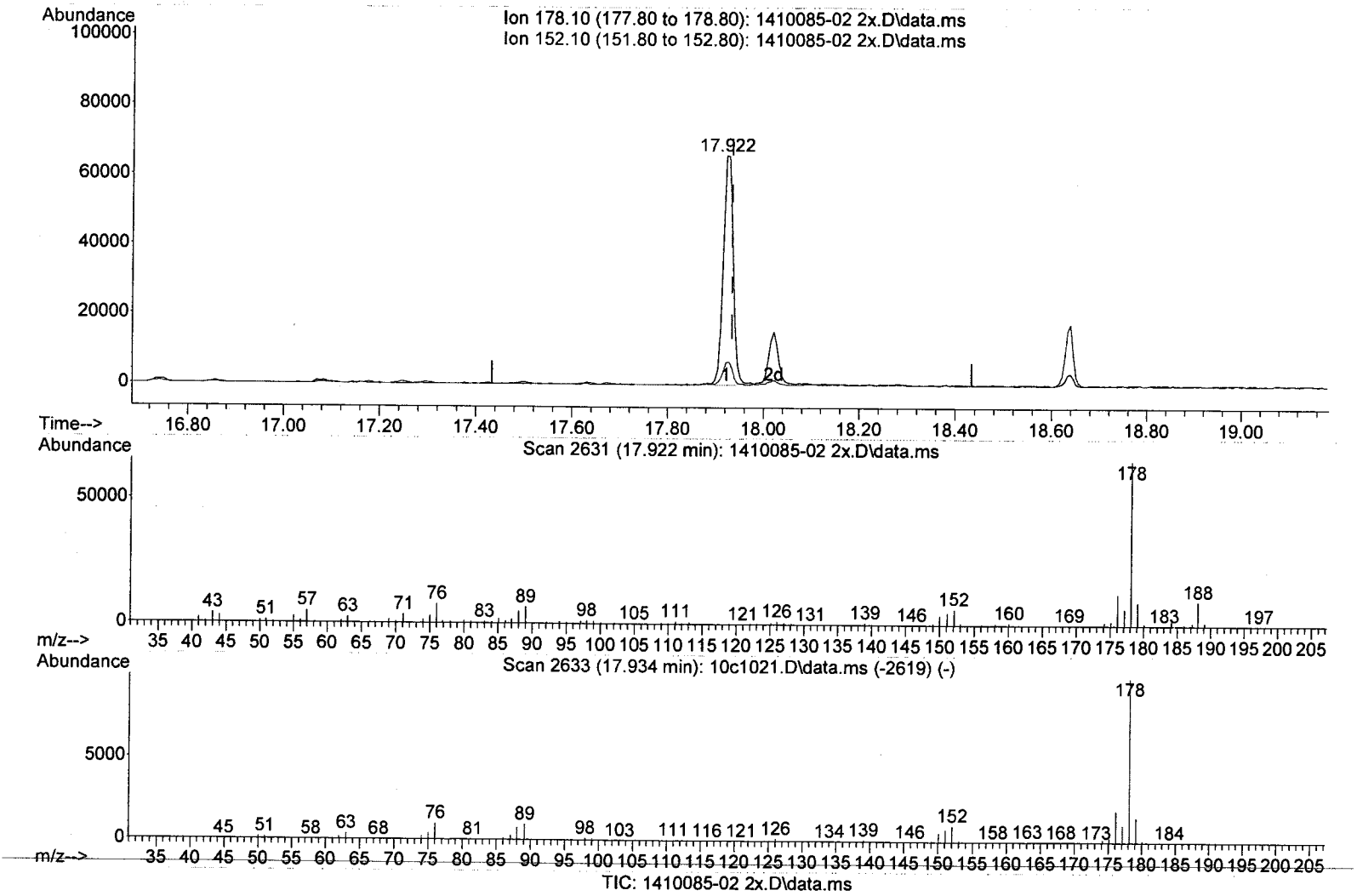
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.628	152	400687	5.00	ng/uL	# 0.02
8) Naphthalene-d8	10.350	136	1601695	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.460	164	903631	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.881	188	1453679	5.00	ng/uL	0.00
19) Chrysene-d12	21.501	240	1153525m	5.00	ng/uL	0.00
22) Perylene-d12	23.173	264	776839	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.977	74	8483	0.13	ng/uL	99
3) Pyridine	3.234	79	308	0.00	ng/uL	87
4) Aniline	0.000		0	N.D.		
5) Benzaldehyde	6.783	105	946	0.01	ng/uL#	1
6) Acetophenone	8.462	105	817	0.01	ng/uL#	72
7) N-Nitroso-di-n-propyla...	8.375	70	227	0.00	ng/uL	98
9) 4-Chloroaniline	10.554	127	228	0.01	ng/uL#	66
10) Caprolactam	11.330	55	2347	0.14	ng/uL#	49
12) 1,1'-Biphenyl	13.142	154	1201	0.00	ng/uL#	75
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	16.127	169	274	0.00	ng/uL#	56
18) Atrazine	0.000		0	N.D.		
20) Benzidine	19.991	184	126	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.559	252	208	0.00	ng/uL#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(75) Phenanthrene

17.922min (-0.012) 0.33 ng/uL

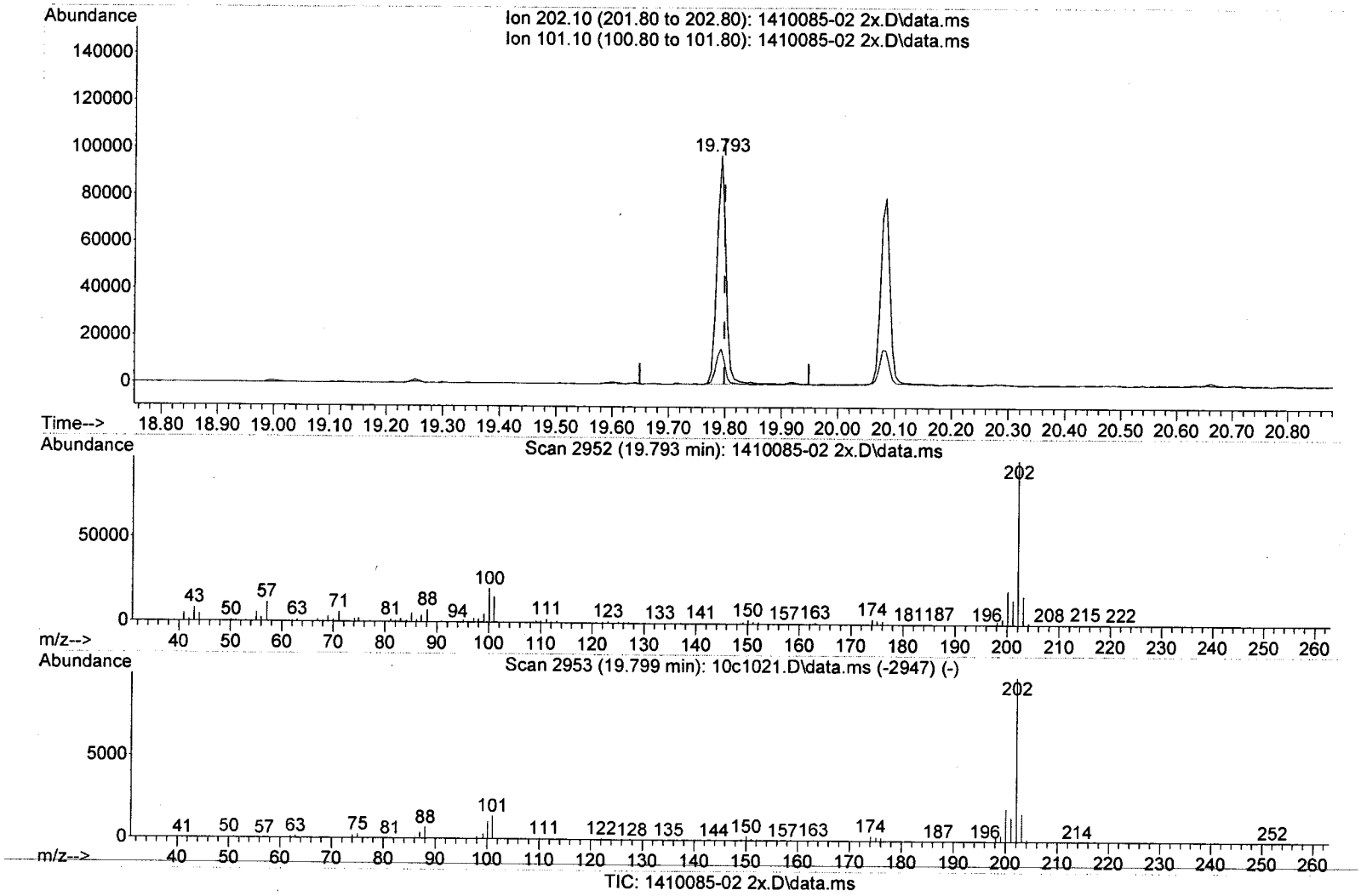
response 94267

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	10.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-02 2x.D\data.ms

(80) Fluoroanthene (C)

19.793min (-0.006) 0.40 ng/uL

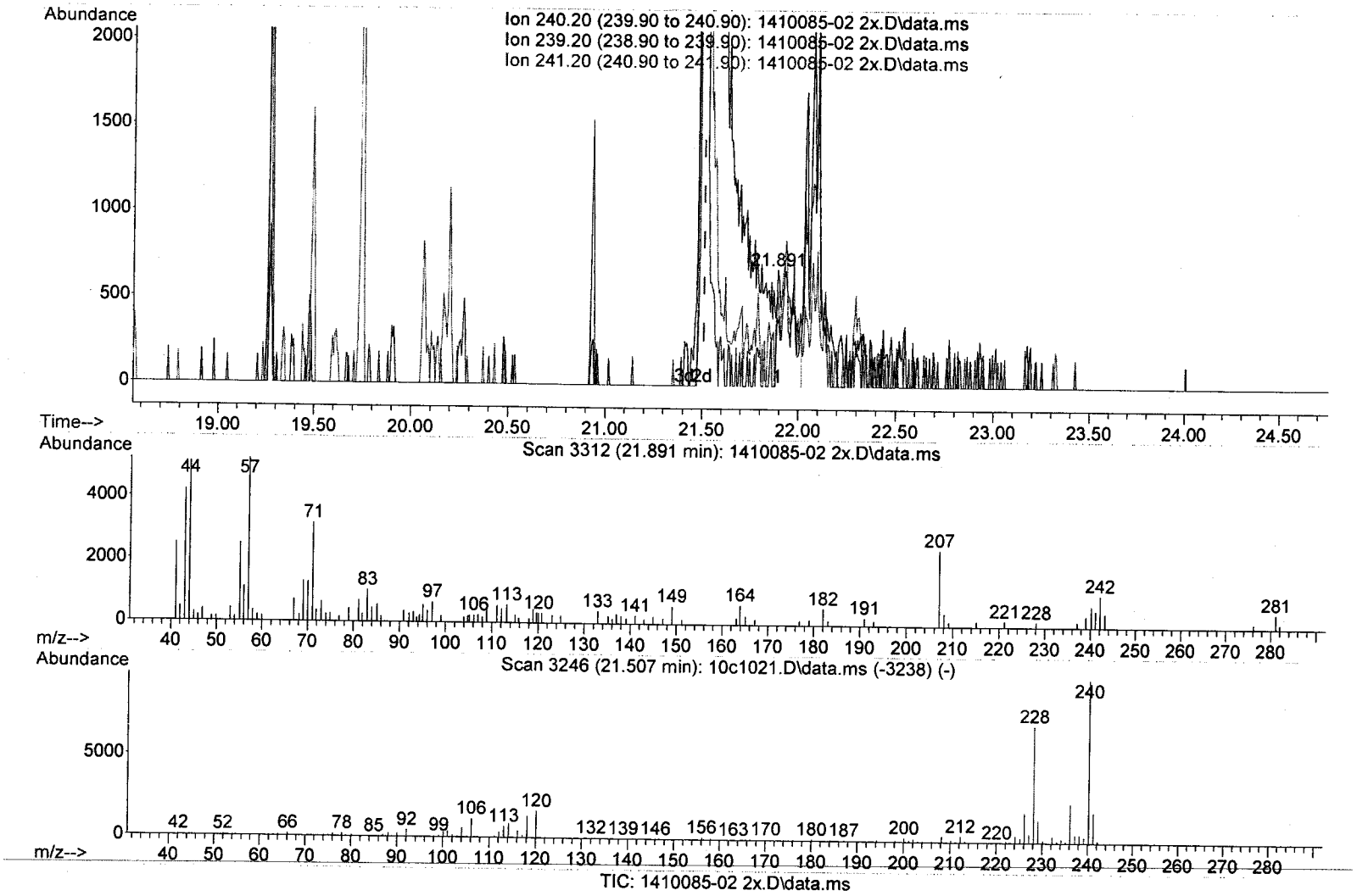
response 107658

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	15.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(81) Chrysene-d12 (I)

21.891min (+ 0.385) 5.00 ng/uL

response 3858

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	15.58
241.20	19.50	16.56
0.00	0.00	0.00

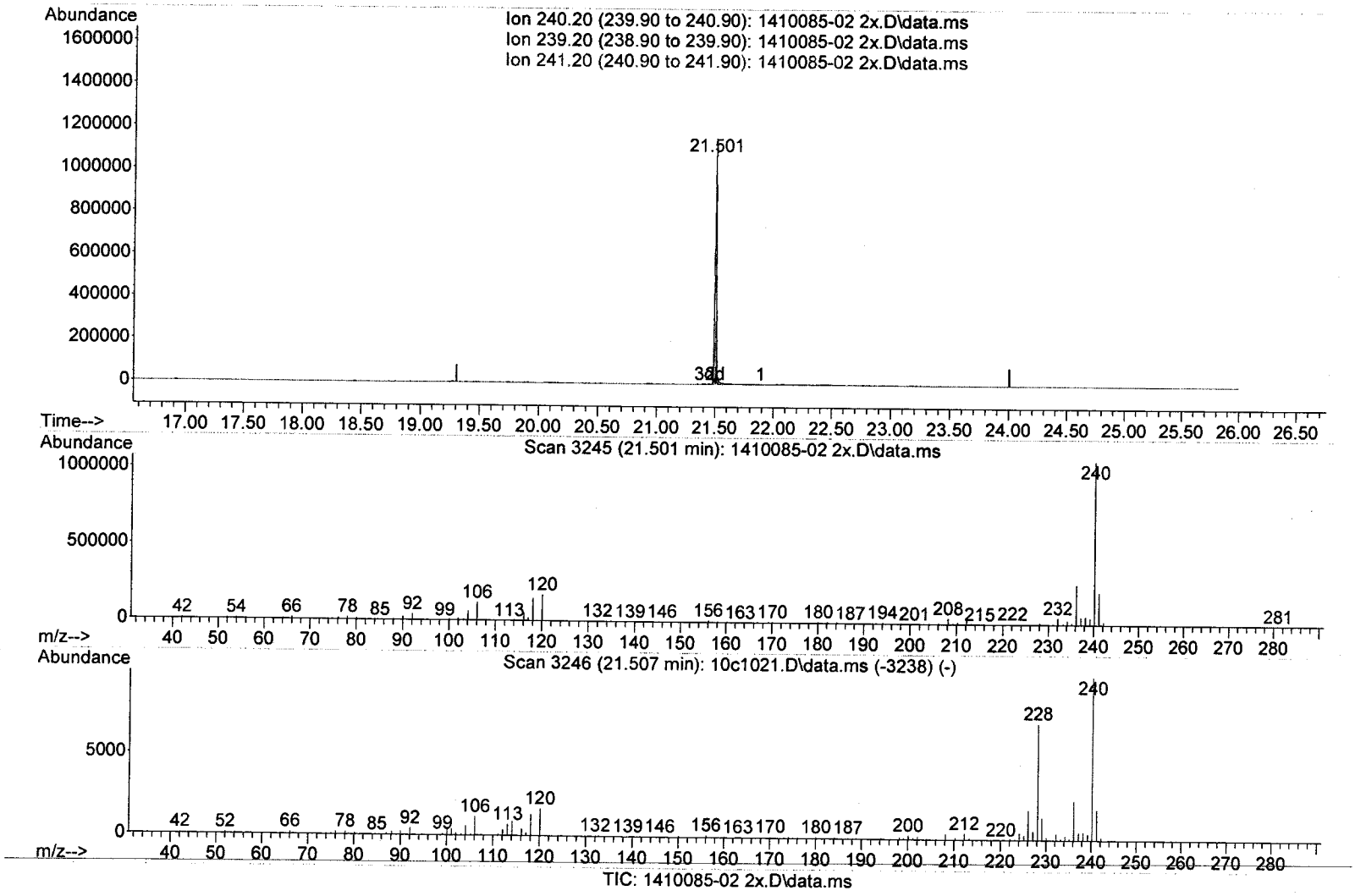
JB 10/22/14

DW 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(81) Chrysene-d12 (I)

21.501min (-0.006) 5.00 ng/uL m

response 1158178

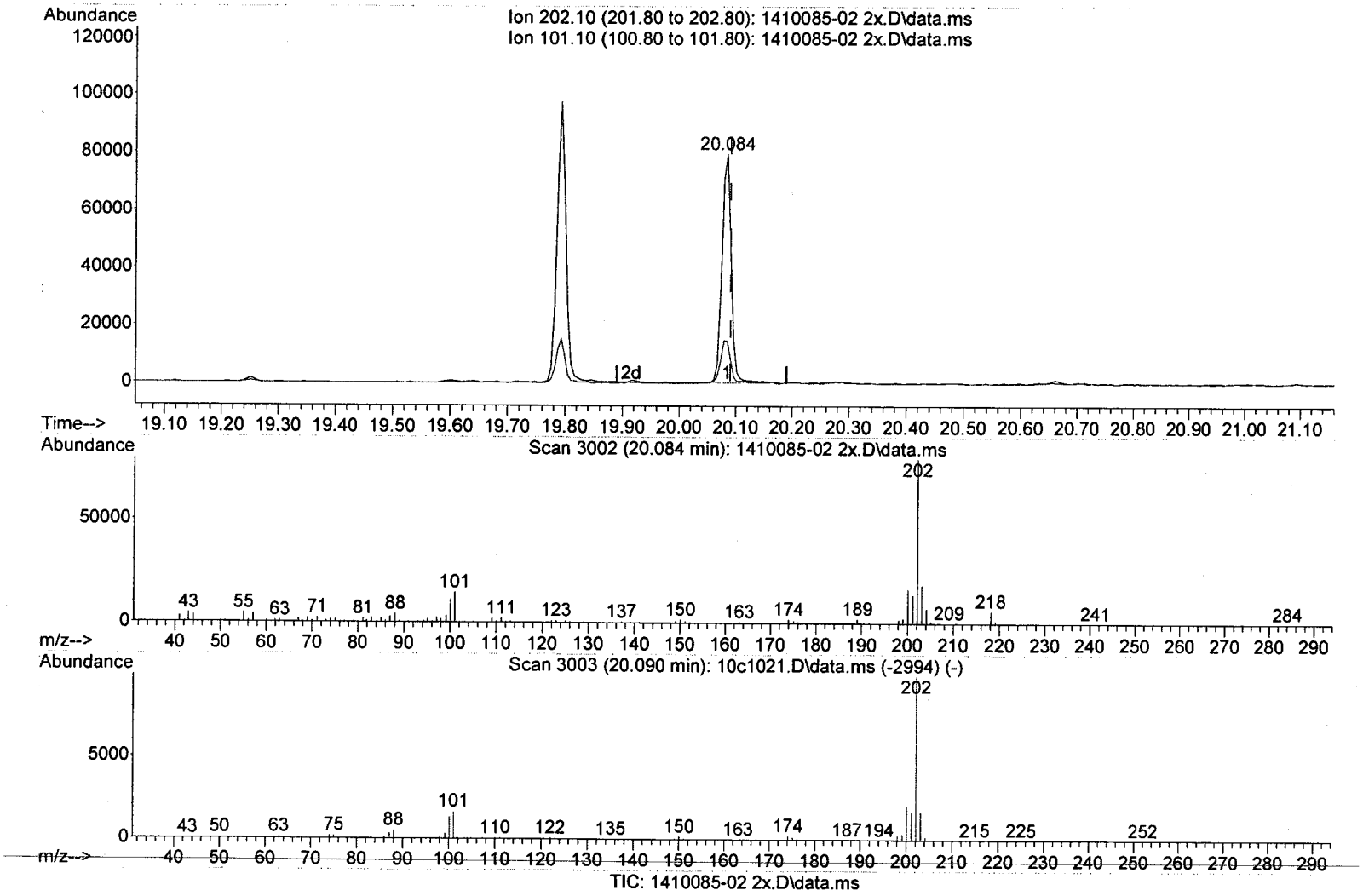
Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	0.05#
241.20	19.50	0.06#
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: [illegible] Date: 10/22/14
Reviewed By: [illegible] Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(82) Pyrene

20.084min (-0.006) 0.33 ng/uL

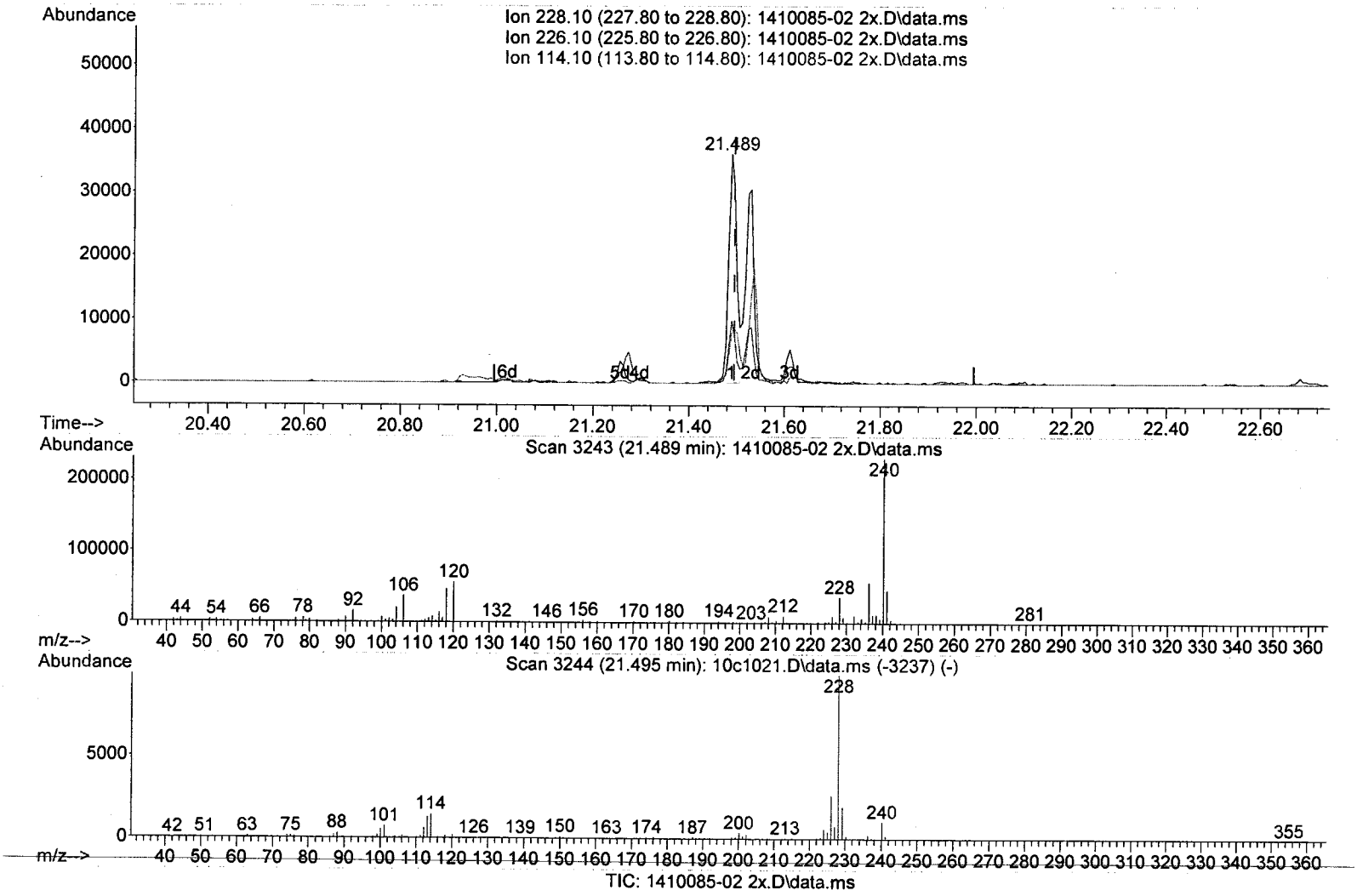
response 91132

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	21.84#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(85) Benzo(a)anthracene

21.489min (-0.006) 0.20 ng/uL

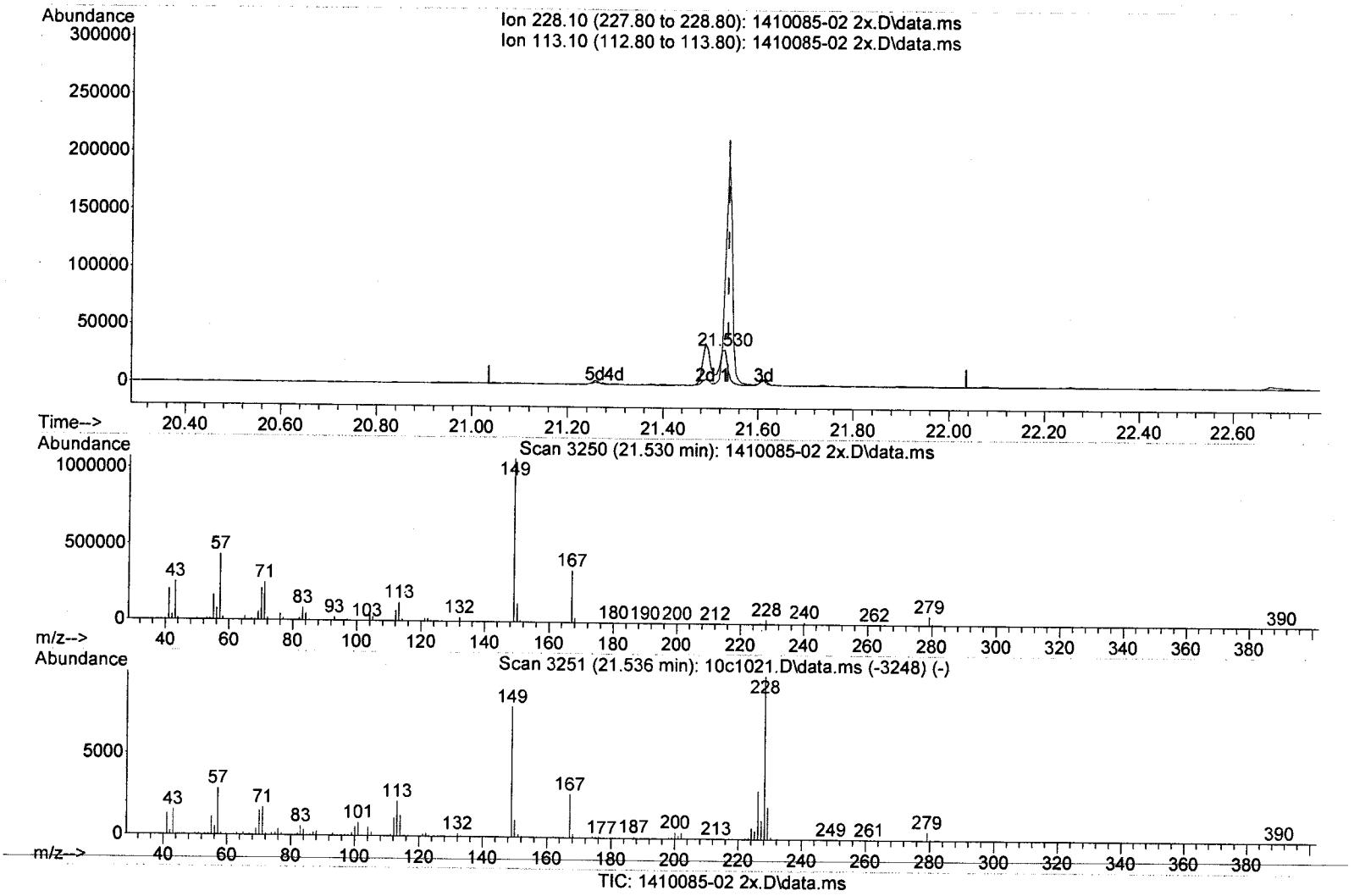
response 42185

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	25.78
114.10	13.30	32.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(86) Chrysene

21.530min (-0.006) 0.19 ng/uL

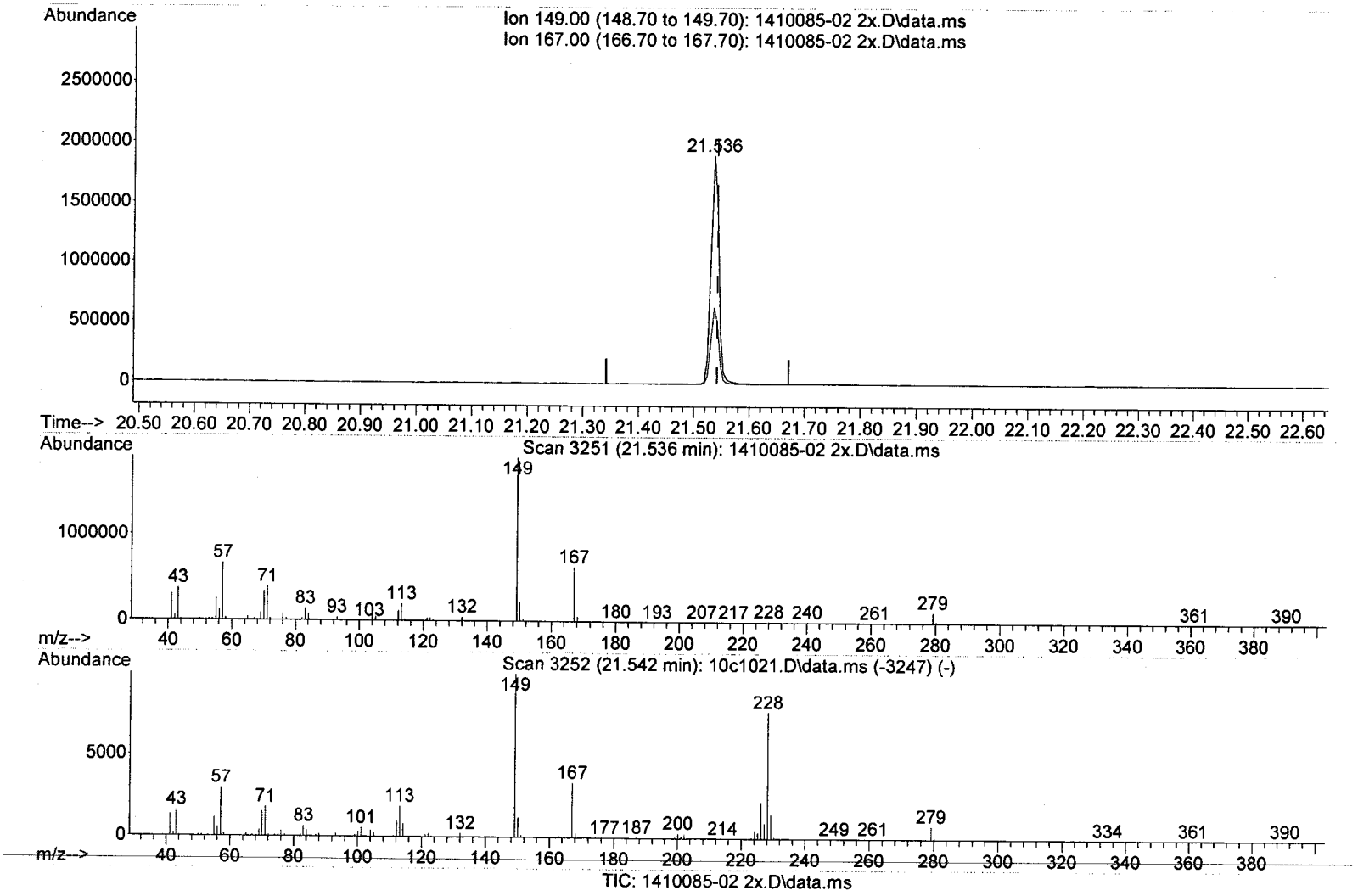
response 38892

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	500.06#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.536min (-0.006) 13.36 ng/uL

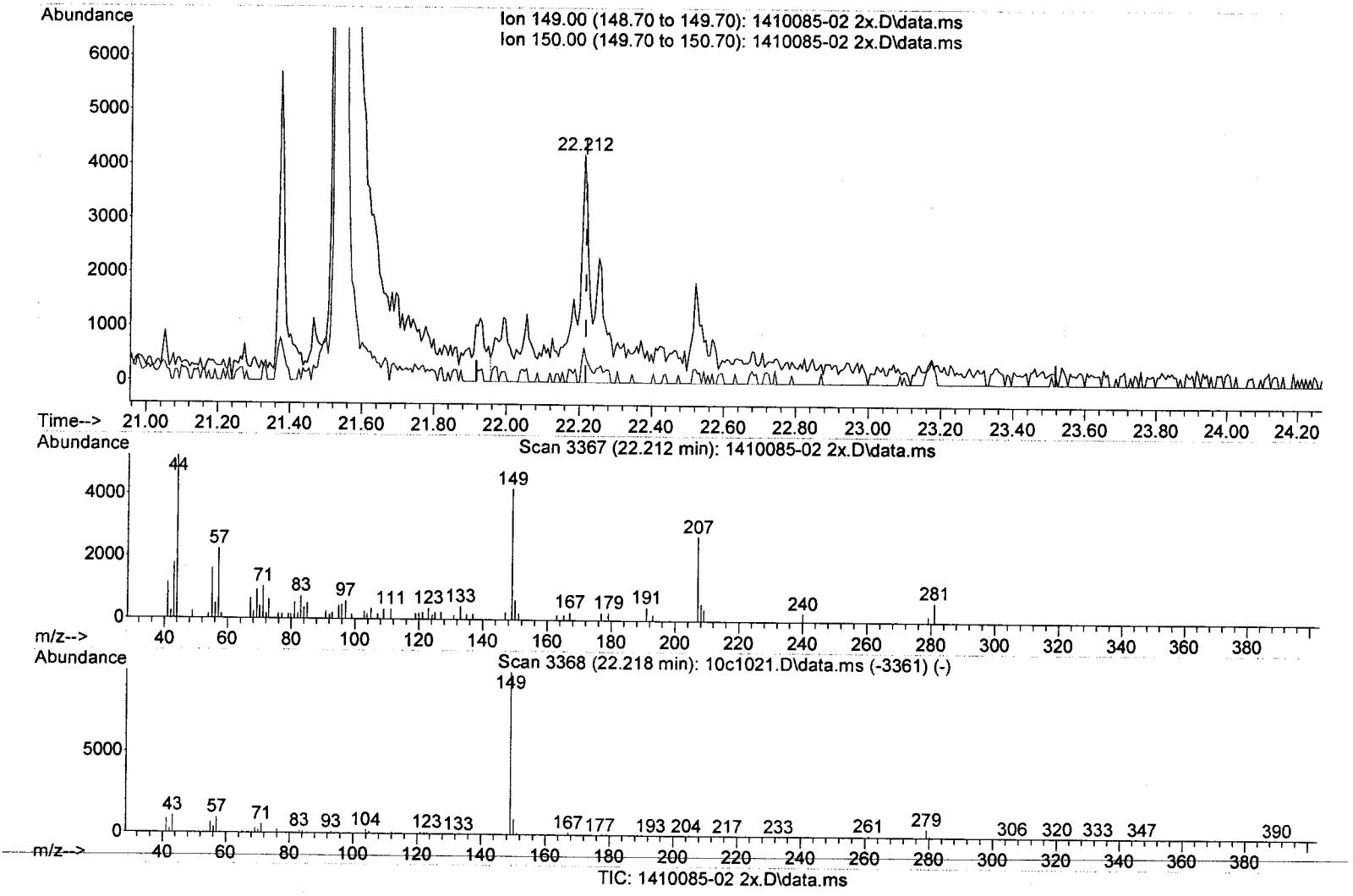
response 1856366

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.50 ng/uL

response 40778

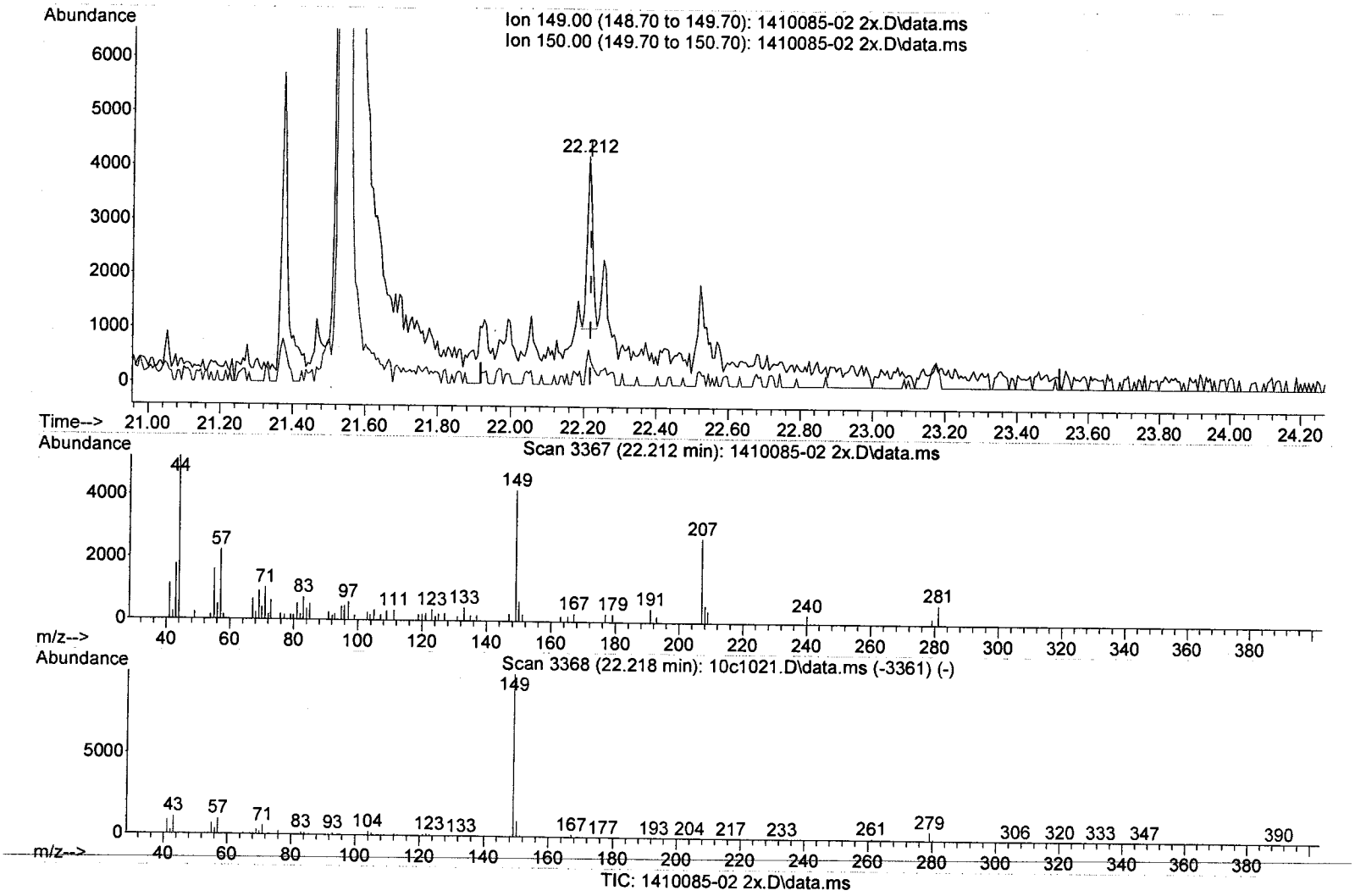
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	2.06#
0.00	0.00	0.00
0.00	0.00	0.00

10/22/14 DWT 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-02 2x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.35 ng/uL m

response 3256

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	25.83#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

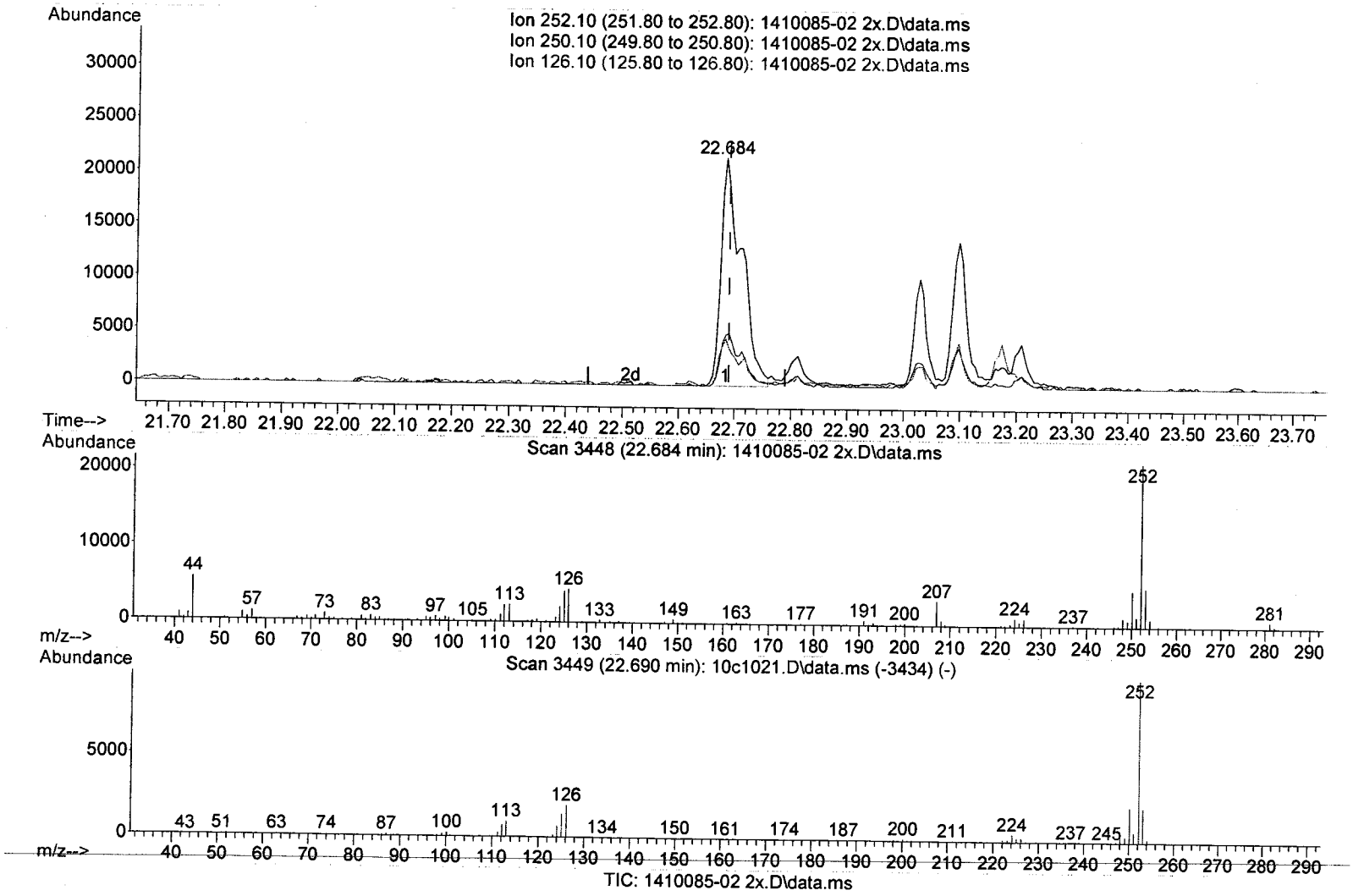
Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes / No)
Analyst: _____ Date: 10/22/14
Reviewed By: _____ Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.684min (-0.006) 0.39 ng/uL

response 55369

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	23.79
126.10	17.20	21.06#
0.00	0.00	0.00

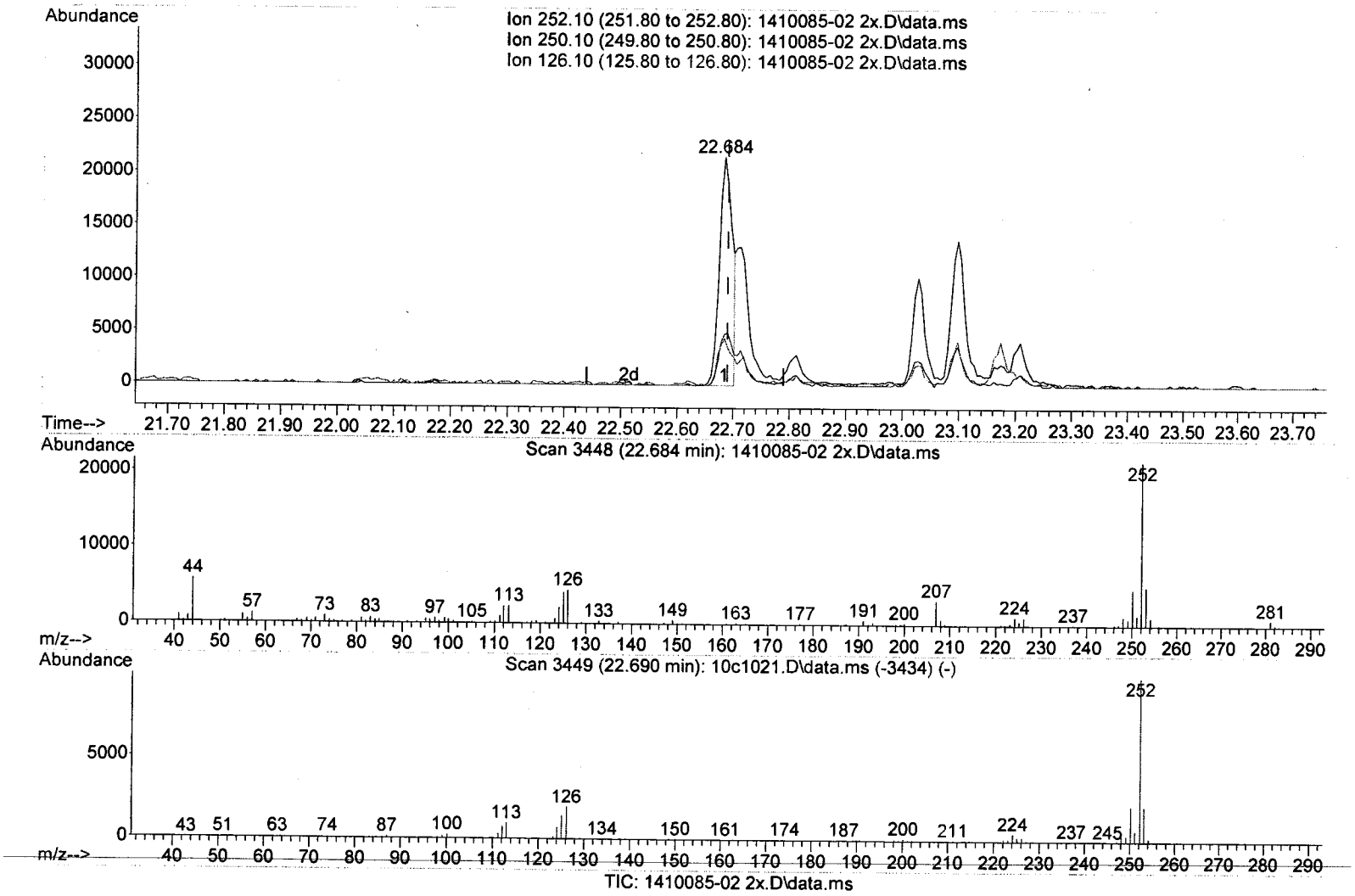
DW 10.22-14

JWB 10/22/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.684min (-0.006) 0.25 ng/uL m

response 34908

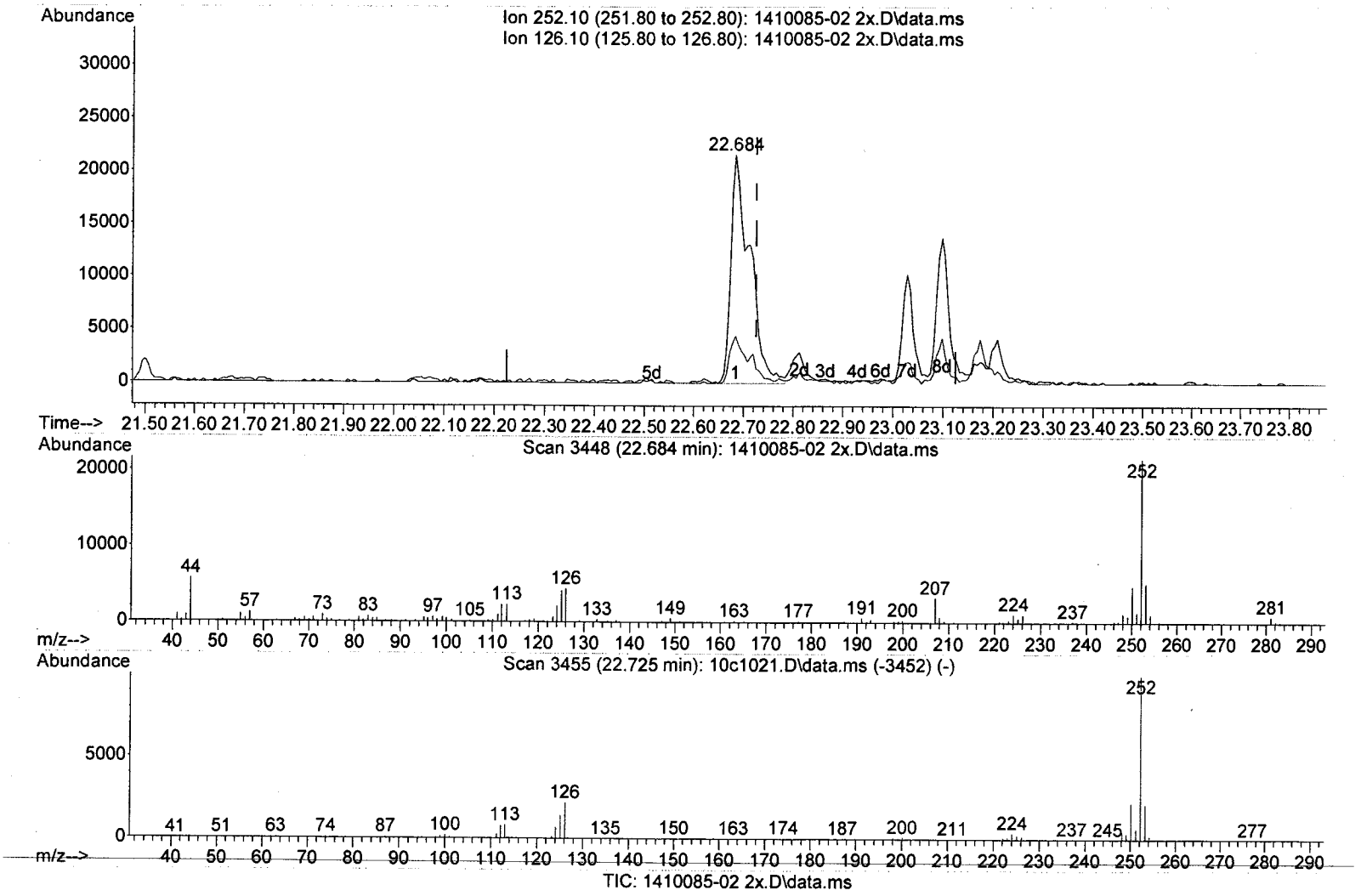
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	37.74#
126.10	17.20	33.41#
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software
Flagged on Quantitation Report: (Yes) / No Date: 10/22/14
Analyst: JLB Date: 10-22-14
Reviewed By: DW

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.684min (-0.041) 0.35 ng/uL

response 56344

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	20.70
0.00	0.00	0.00
0.00	0.00	0.00

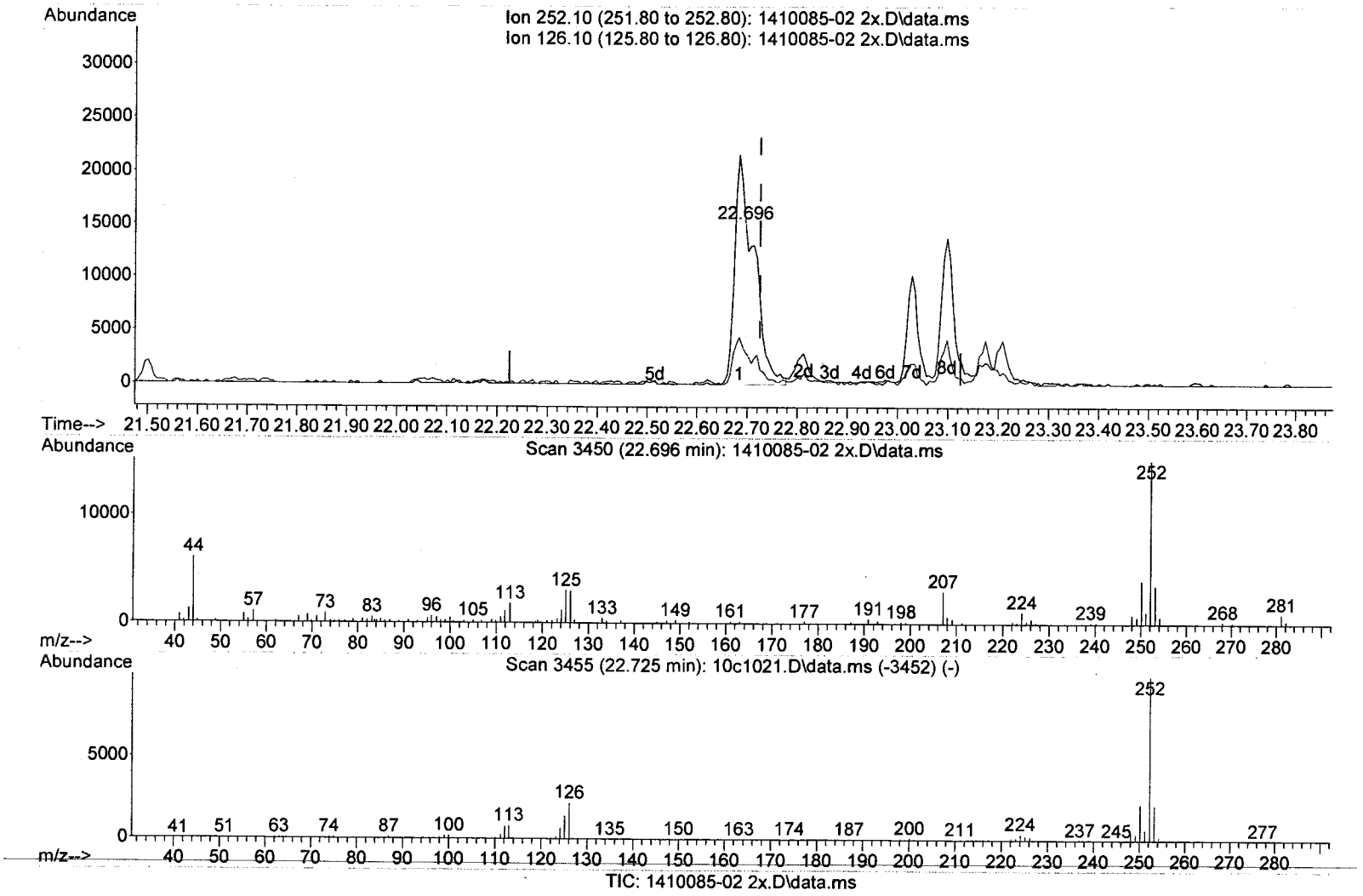
DW 10-22-14

JW 10/22/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-02 2x.D\data.ms

(91) Benzo(k)fluoranthene

22.696min (-0.029) 0.16 ng/uL m

response 25624

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	45.51#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 2: Close eluting isomers integrated incorrectly by the software.

Flagged on Quantitation Report: Yes / No

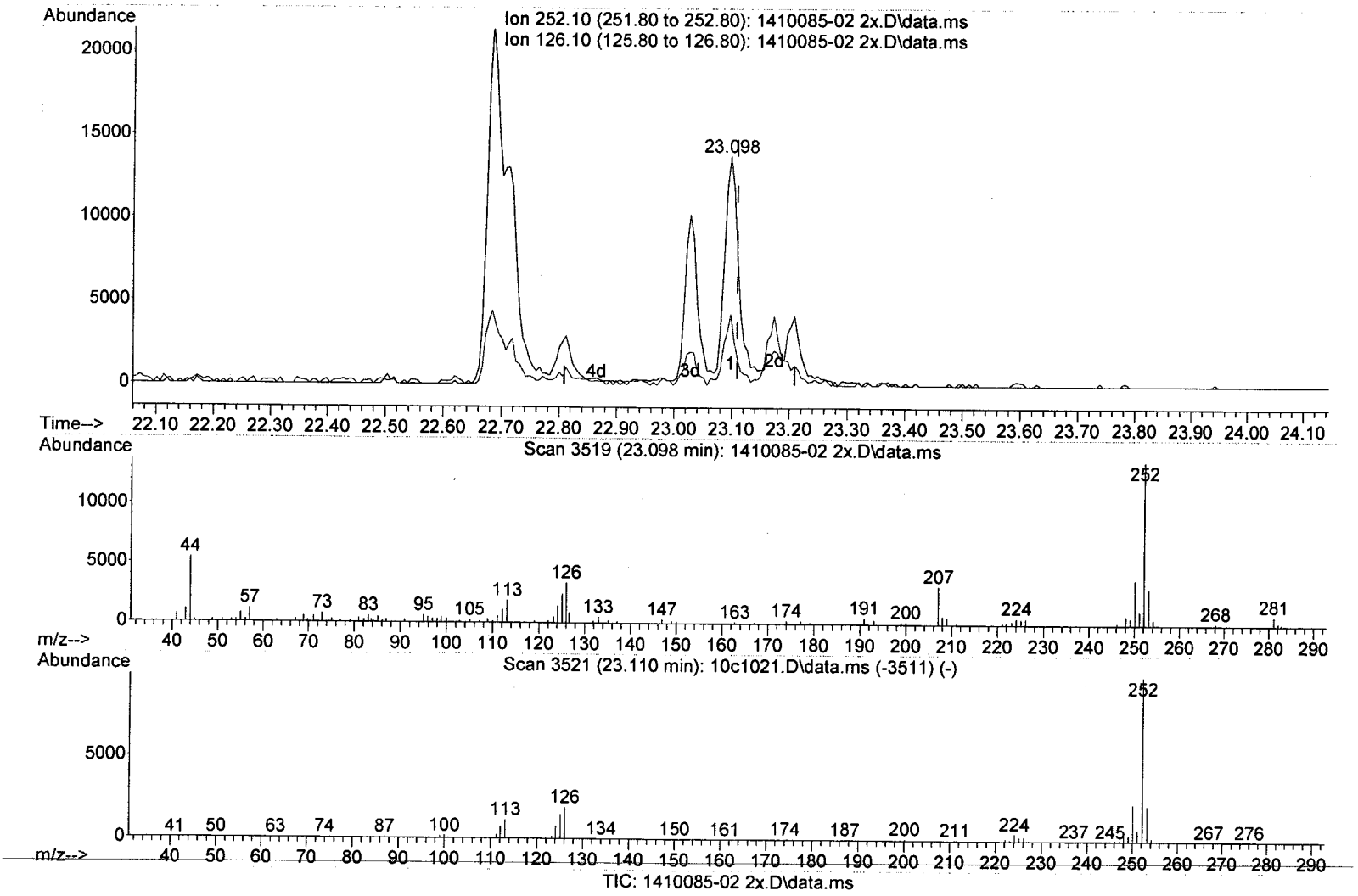
Analyst: JLB Date: 10/22/14

Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-02 2x.D\data.ms

(92) Benzo(a)pyrene (C)

23.098min (-0.012) 0.16 ng/uL

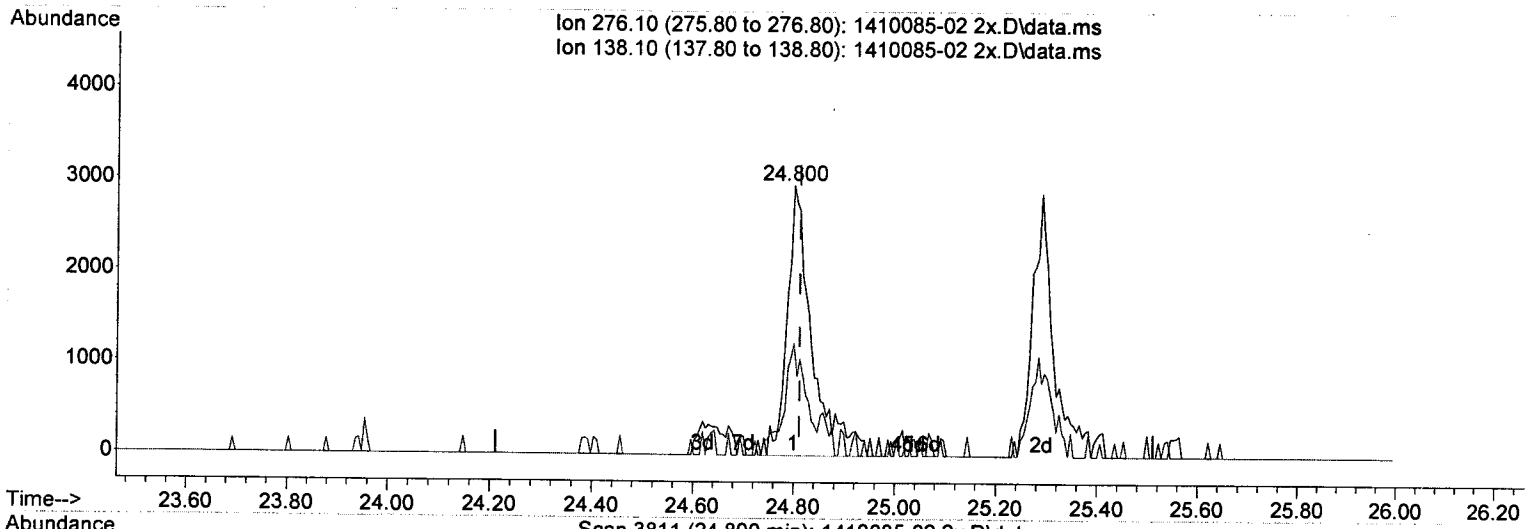
response 20871

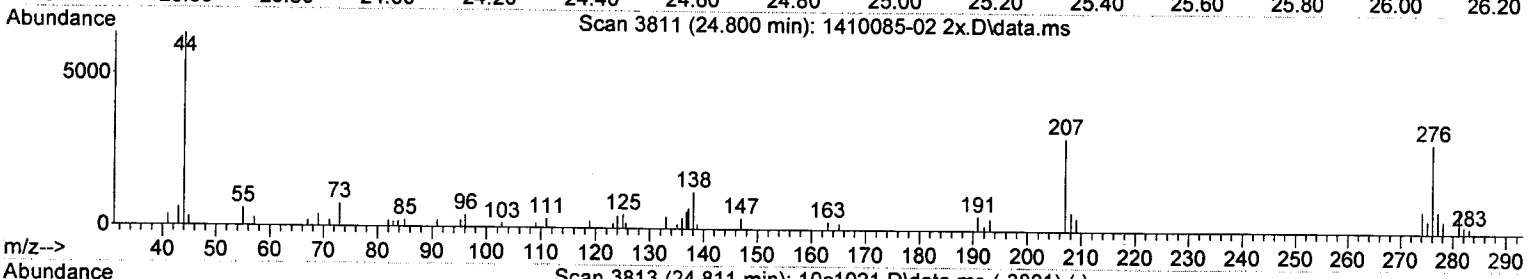
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	31.02#
0.00	0.00	0.00
0.00	0.00	0.00

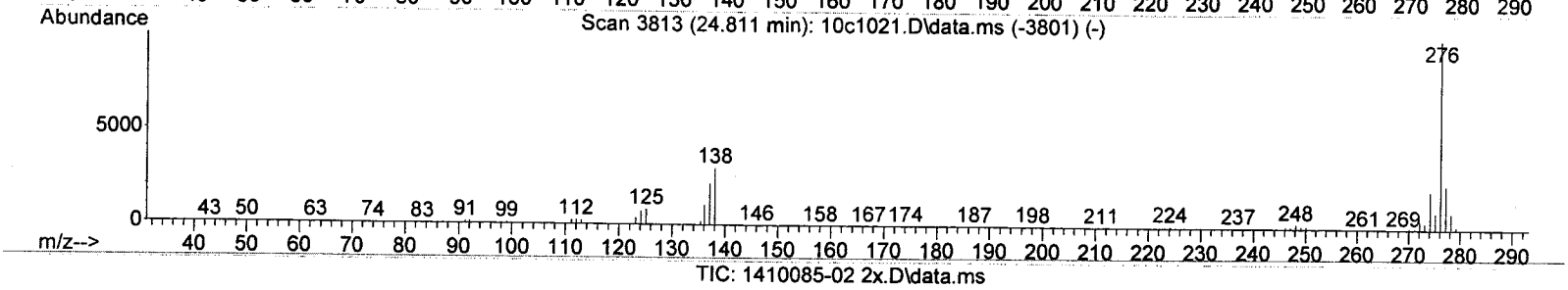
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-02 2x.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.800min (-0.012) 0.09 ng/uL

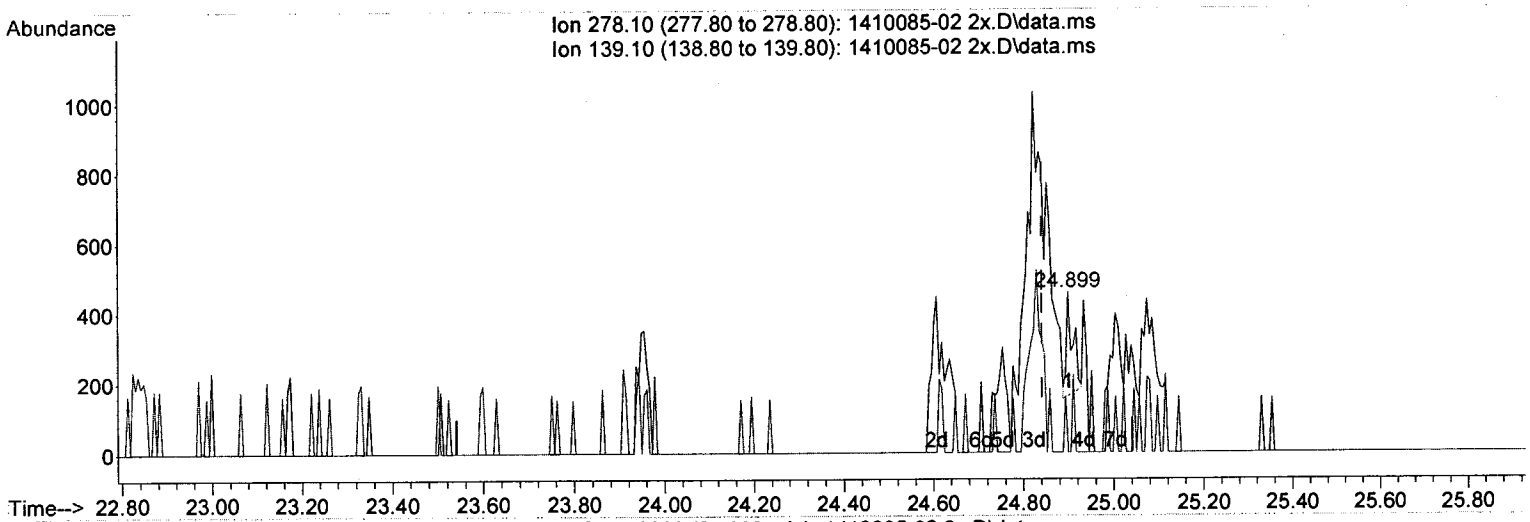
response 10059

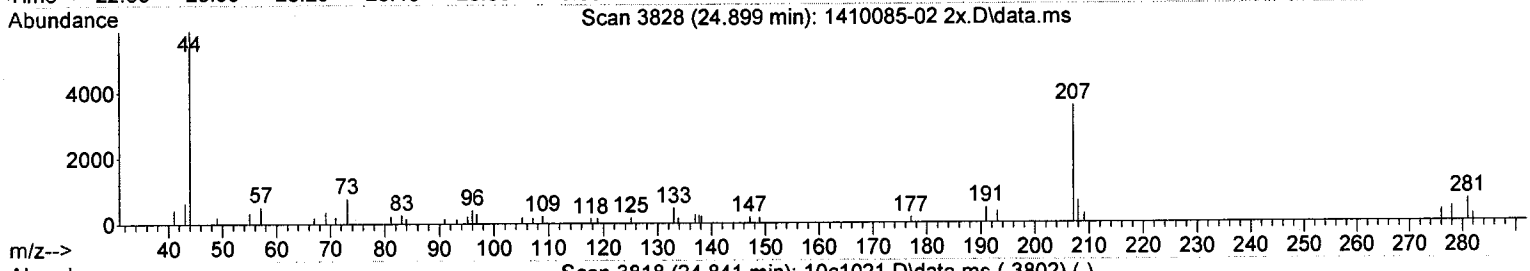
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	36.00#
0.00	0.00	0.00
0.00	0.00	0.00

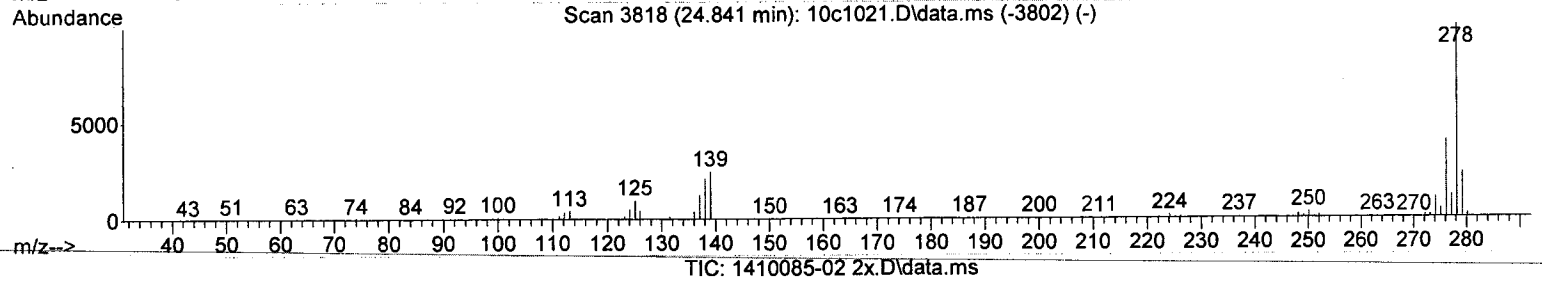
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-02 2x.D\data.ms

(94) Dibdenz(a,h)anthracene

24.899min (+ 0.058) 0.00 ng/uL

response 300

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	18.67
0.00	0.00	0.00
0.00	0.00	0.00

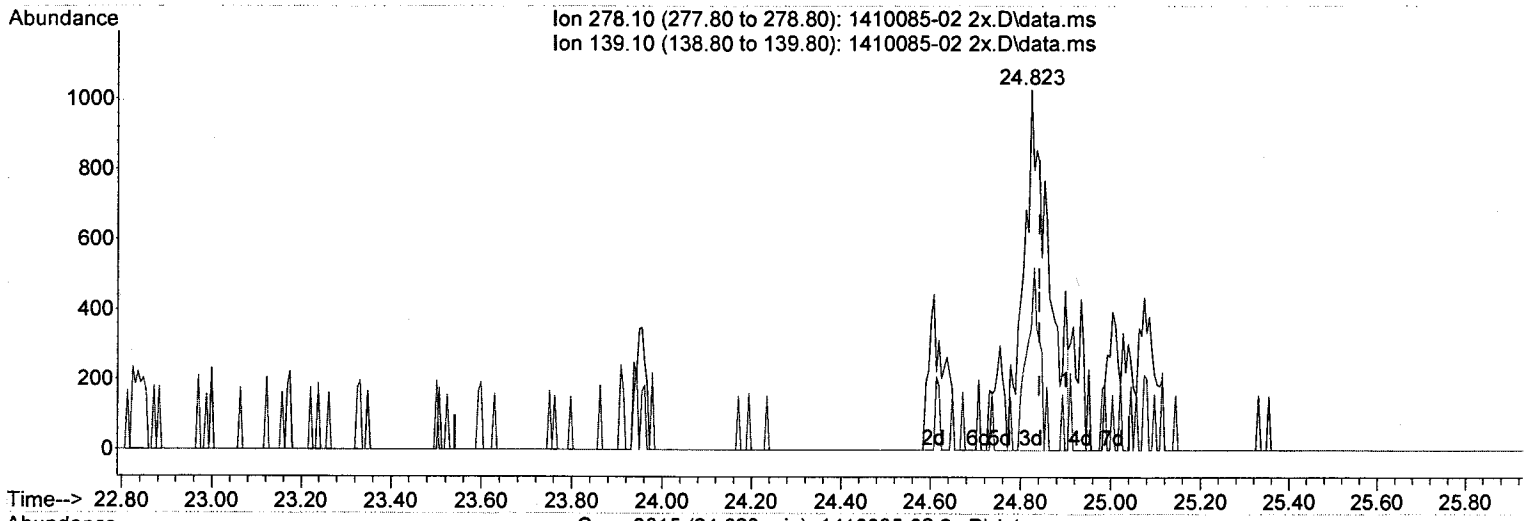
DWS 10-22-14

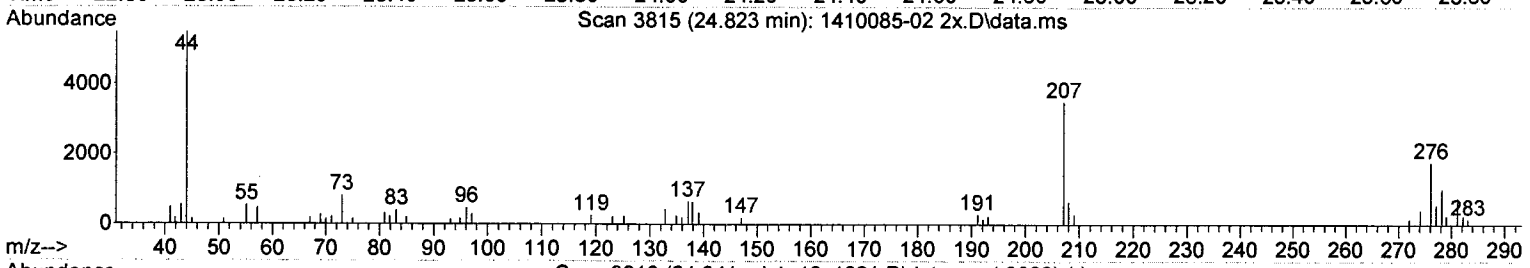
JWS 10/22/14

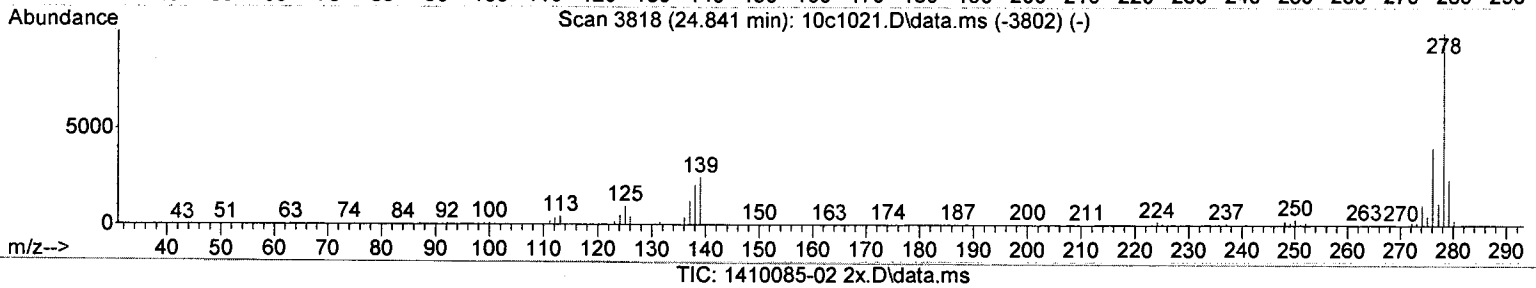
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-02 2x.D\data.ms

(94) Dibdenz(a,h)anthracene

24.823min (-0.018) 0.04 ng/uL m

response 3973

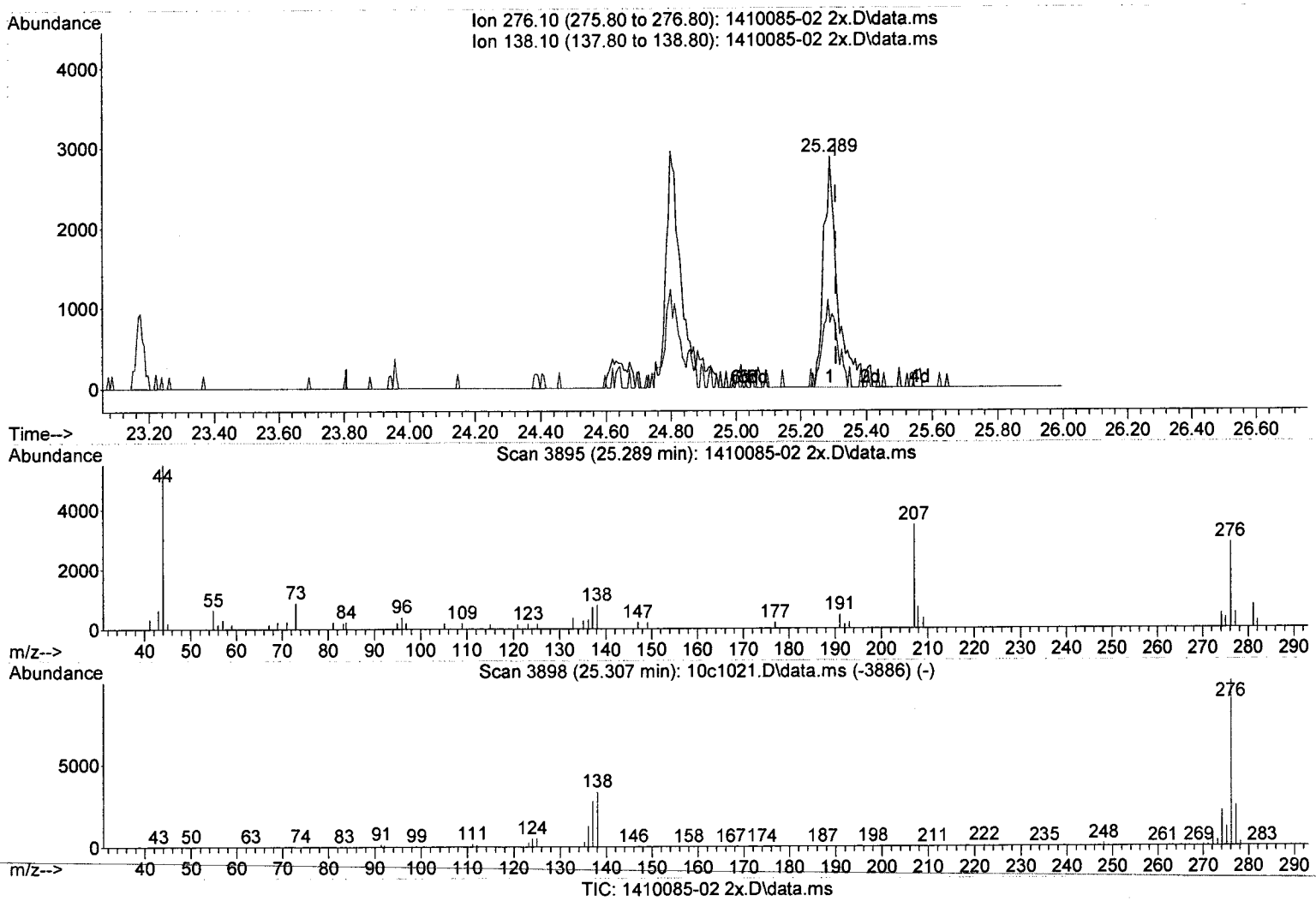
Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	1.41#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: LMB Date: 10/22/14
Reviewed By: DW Date: 10-22-14
LMB

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 08:12:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-02 2x.D\data.ms

(95) Benzo(g,h,i)Perylene

25.289min (-0.018) 0.08 ng/uL

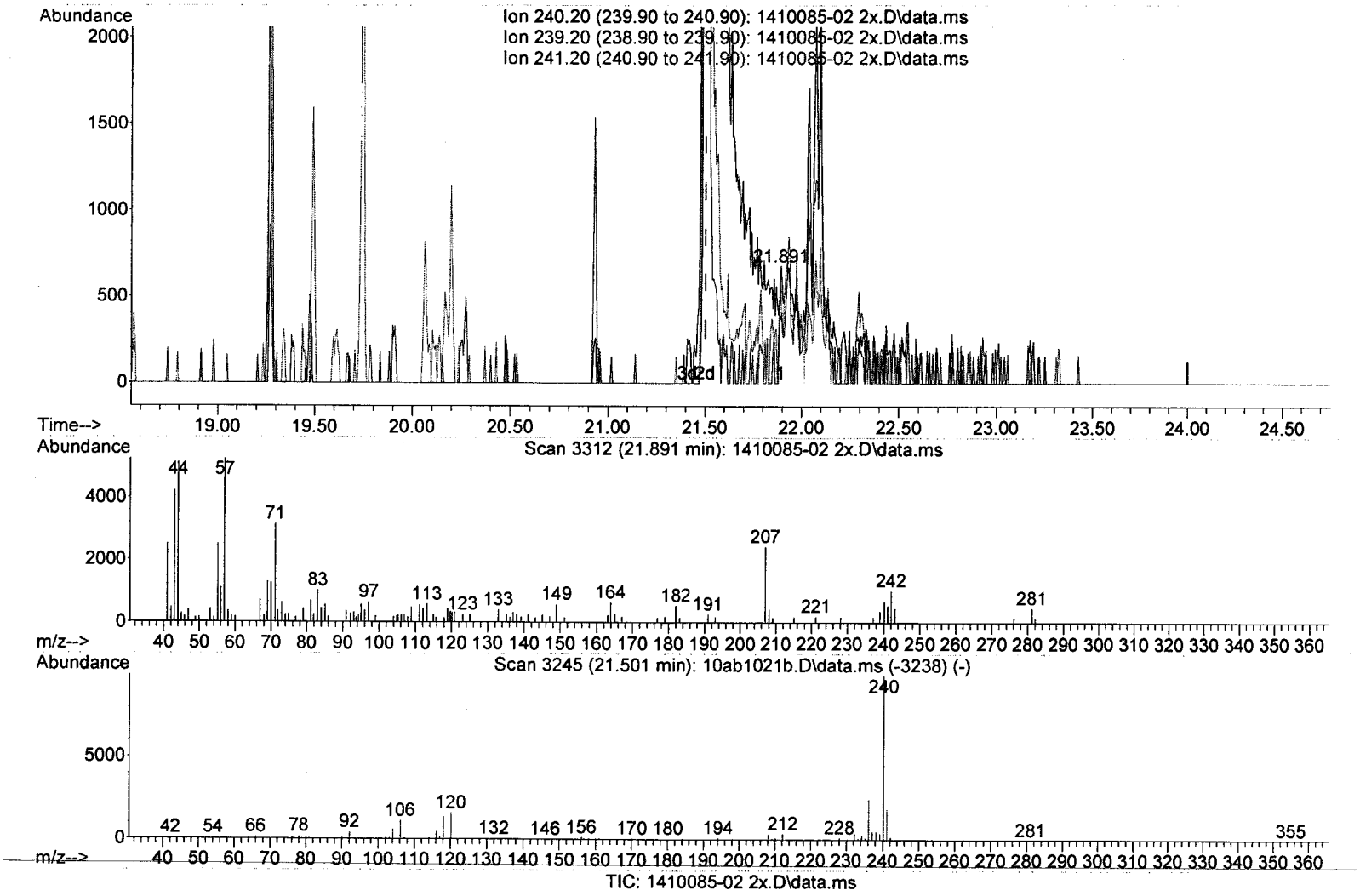
response 8277

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	37.78#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 07:54:46 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration



(19) Chrysene-d12 (I)

21.891min (+ 0.390) 5.00 ng/uL

response 3858

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	15.58
241.20	19.50	16.56
0.00	0.00	0.00

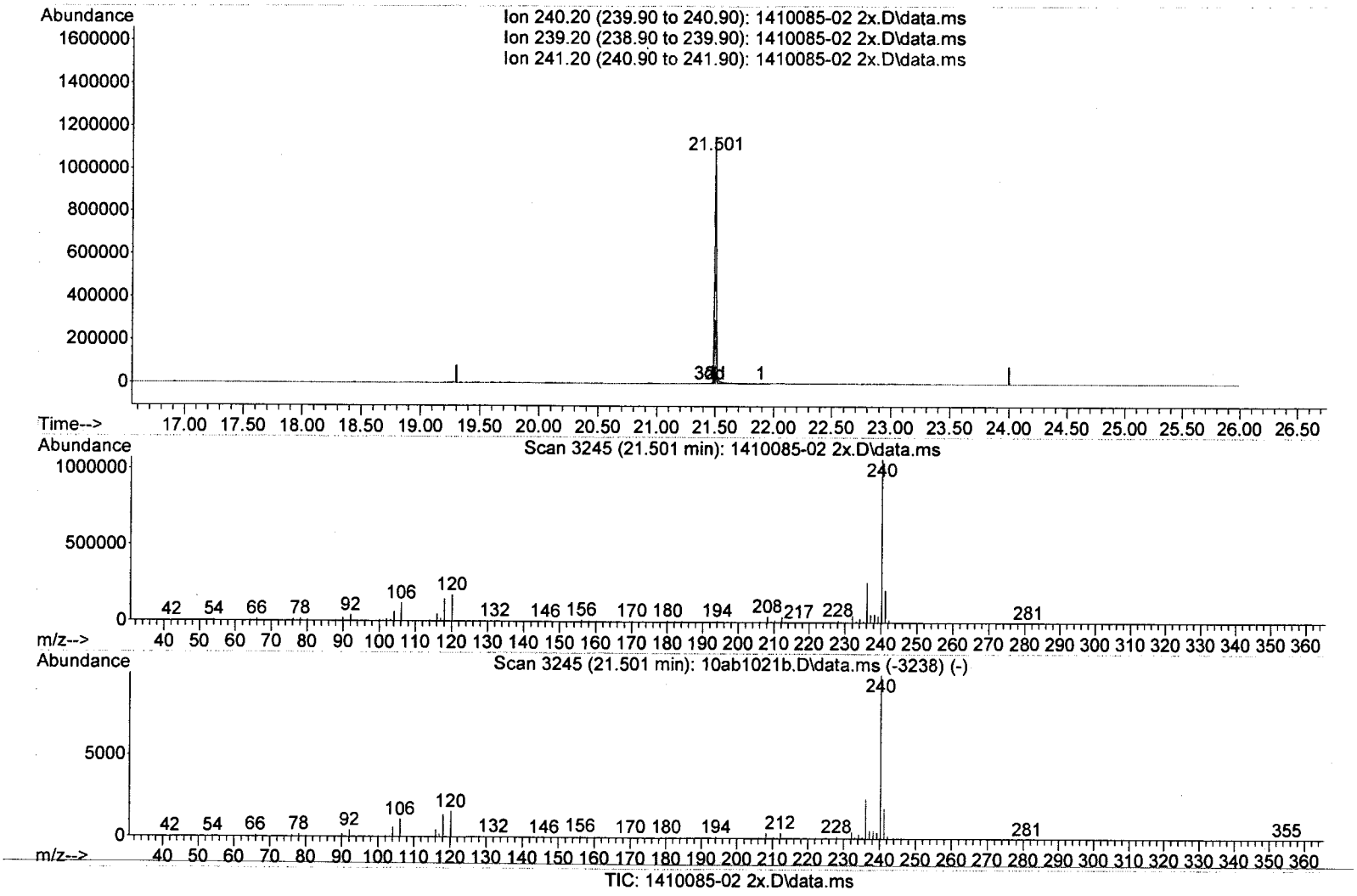
DWS 10-22-14

JLB 10/22/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-02 2x.D
Acq On : 21 Oct 2014 18:44
Operator : JLB
Sample : 1410085-02 2x Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 07:54:46 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration



(19) Chrysene-d12 (I)

21.501min (-0.000) 5.00 ng/uL m

response 1153525

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	0.05#
241.20	19.50	0.06#
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: LWS Date: 10/22/14
Reviewed By: DW Date: 10-22-14

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17GW34-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410085-03 File ID: 1410085-03.D

Sampled: 10/01/14 09:55 Prepared: 10/07/14 12:17 Analyzed: 10/21/14 17:40

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 980 mL / 1 mL

QC Batch: 1410842 Sequence: 4J22008 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	0.10	0.033	0.10	0.50	U
208-96-8	Acenaphthylene	1	0.050	0.017	0.050	0.50	U
120-12-7	Anthracene	1	0.20	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	1	0.10	0.045	0.10	0.50	U
50-32-8	Benzo(a)pyrene	1	0.10	0.040	0.10	0.50	U
205-99-2	Benzo(b)fluoranthene	1	0.20	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	1	0.20	0.060	0.20	0.50	U
191-24-2	Benzo(g,h,i)perylene	1	0.20	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	1	2.7	0.48	2.0	5.0	JB
100-51-6	Benzyl Alcohol	1	0.10	0.049	0.10	0.50	U
101-55-3	4-Bromophenyl Phenyl Ether	1	0.10	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	1	0.061	0.056	0.20	1.0	J
86-74-8	Carbazole	1	0.20	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	1	0.25	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	1	0.25	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	1	0.050	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	1	0.050	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	0.10	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	1	0.050	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	1	0.10	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	0.10	0.048	0.10	0.50	U
218-01-9	Chrysene	1	0.10	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	1	0.25	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	1	0.10	0.041	0.10	0.50	U
84-74-2	Di-n-butyl Phthalate	1	0.20	0.14	1.0	1.0	J
106-46-7	1,4-Dichlorobenzene	1	0.050	0.020	0.050	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.10	0.040	0.10	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.10	0.041	0.10	0.50	U
91-94-1	3,3'-Dichlorobenzidine	1	0.50	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	1	0.20	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	1	0.25	0.065	0.25	0.50	U
105-67-9	2,4-Dimethylphenol	1	0.50	0.17	0.50	1.0	U
131-11-3	Dimethyl Phthalate	1	0.051	0.046	0.10	0.50	J
534-52-1	4,6-Dinitro-2-methylphenol	1	4.0	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	1	5.0	1.2	5.0	5.0	U
606-20-2	2,6-Dinitrotoluene	1	0.20	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	1	0.10	0.048	0.10	0.50	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17GW34-01

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Ground Water Laboratory ID: 1410085-03 File ID: 1410085-03.D

Sampled: 10/01/14 09:55 Prepared: 10/07/14 12:17 Analyzed: 10/21/14 17:40

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 980 mL / 1 mL

QC Batch: 1410842 Sequence: 4J22008 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	0.20	0.077	0.20	0.50	U
122-66-7	1,2-Diphenylhydrazine	1	0.10	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	15	0.11	0.50	0.50	
206-44-0	Fluoranthene	1	0.20	0.063	0.20	0.50	U
86-73-7	Fluorene	1	0.10	0.041	0.10	0.50	U
118-74-1	Hexachlorobenzene	1	0.20	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	1	0.10	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	1	0.10	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.25	0.080	0.25	0.50	U
78-59-1	Isophorone	1	0.10	0.045	0.10	0.50	U
91-57-6	2-Methylnaphthalene	1	0.050	0.015	0.050	0.50	U
108-39-4	3+4-Methylphenol	1	0.20	0.057	0.20	5.0	U
95-48-7	2-Methylphenol	1	0.20	0.048	0.20	0.50	U
91-20-3	Naphthalene	1	0.031	0.031	0.10	0.50	J
100-01-6	4-Nitroaniline	1	1.0	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	1	0.50	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	1	0.50	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	1	0.20	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	1	0.20	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	1	5.0	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	1	0.10	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	1	0.20	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	1	0.20	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	1	0.50	0.13	0.50	0.50	U
85-01-8	Phenanthrene	1	0.10	0.043	0.10	0.50	U
108-95-2	Phenol	1	0.10	0.034	0.10	0.50	U
129-00-0	Pyrene	1	0.20	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.10	0.027	0.10	0.50	U
95-95-4	2,4,5-Trichlorophenol	1	0.25	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	1	0.25	0.085	0.25	0.50	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2-Fluorophenol	20.4	8.82	43	19 - 119	
Phenol-d6	20.4	5.64	28	18 - 45	
Nitrobenzene-d5	10.2	7.80	76	44 - 120	
2-Fluorobiphenyl	10.2	6.20	61	44 - 119	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17GW34-01

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Ground Water
Laboratory ID: 1410085-03
File ID: 1410085-03.D
Sampled: 10/01/14 09:55
Prepared: 10/07/14 12:17
Analyzed: 10/21/14 17:40
Solids:
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 980 mL / 1 mL
QC Batch: 1410842
Sequence: 4J22008
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	20.4	14.2	69	43 - 140	
o-Terphenyl	10.2	7.52	74	42 - 125	

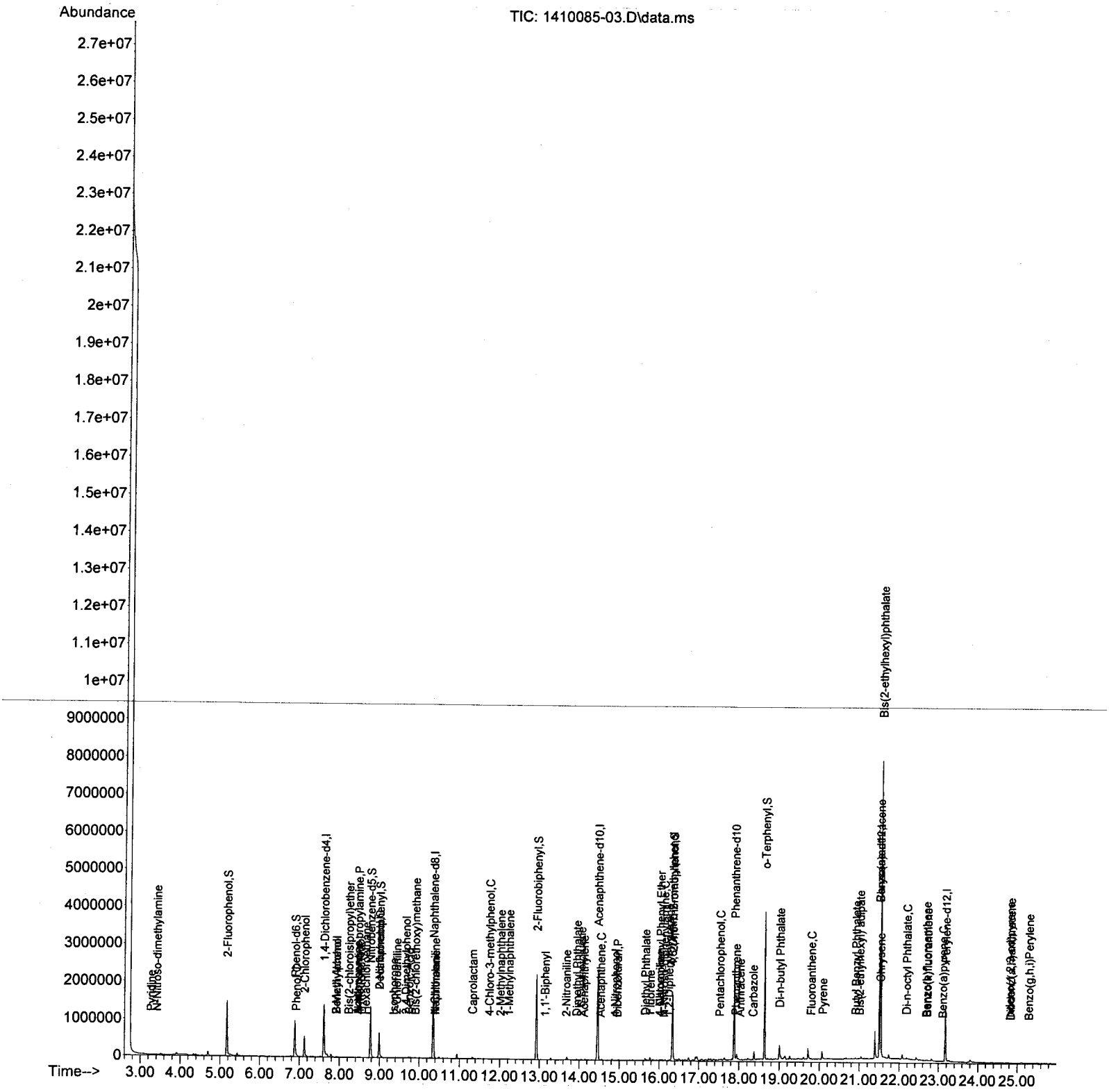
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	431584	7.611	403279	7.614	
Naphthalene-d8	1707444	10.351	1529030	10.359	
Acenaphthene-d10	951964	14.46	866604	14.474	
Phenanthrene-d10	1521349	17.887	1400442	17.901	
Chrysene-d12	1195095	21.501	1153654	21.538	
Perylene-d12	828020	23.174	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-03.D
Acq On : 21 Oct 2014 17:40
Operator : JLB
Sample : 1410085-03 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-03.D
Acq On : 21 Oct 2014 17:40
Operator : JLB
Sample : 1410085-03 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	431584	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.351	136	1707444	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.460	164	951964	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.887	188	1521349	5.00	ng/uL	0.00
81) Chrysene-d12	21.501	240	1195095	5.00	ng/uL	# 0.00
89) Perylene-d12	23.174	264	828020	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.175	112	851644	8.64	ng/uL	-0.01
6) Phenol-d6	6.888	99	706000	5.53	ng/uL	-0.03
21) Nitrobenzene-d5	8.771	82	834033	7.64	ng/uL	-0.02
23) Decafluorobiphenyl	8.998	334	281368	3.68	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.927	172	1195846	6.08	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.342	330	320292	13.88	ng/uL	-0.01
78) o-Terphenyl	18.639	230	960855	7.37	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.409	74	1174	0.02	ng/uL#	37
3) Pyridine	3.263	79	116	0.00	ng/uL#	14
5) Aniline	0.000		0	N.D.		
7) Phenol	6.917	94	3885	0.03	ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	7.127	128	5158	0.04	ng/uL#	43
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.229	45	189	0.00	ng/uL#	51
14) Benzyl Alcohol	7.914	108	1236	0.02	ng/uL	86
15) 2-Methylphenol	7.914	108	1236	0.01	ng/uL#	60
16) Acetophenone	8.450	105	4899	0.03	ng/uL#	48
17) Hexachloroethane	8.654	119	2497	0.05	ng/uL#	21
18) 4-Methylphenol	8.497	108	314	0.00	ng/uL#	75
19) N-Nitroso-di-n-propyla...	8.468	70	1425	0.02	ng/uL#	22
22) Nitrobenzene	8.771	77	4044	0.03	ng/uL#	1
24) Isophorone	9.354	82	1962	0.01	ng/uL#	75
25) 2-Chloroaniline	9.430	127	56	0.00	ng/uL#	53
26) 2-Nitrophenol	8.992	139	760	0.01	ng/uL#	40
27) 2,4-Dimethylphenol	9.663	107	79	0.00	ng/uL#	7
28) Bis(2-chlorethoxy)methane	9.902	93	77	0.00	ng/uL	96
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.744	105	14238	2.61	ng/uL	87
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.397	128	8611	0.03	ng/uL#	93
33) 4-Chloroaniline	10.391	127	871	0.01	ng/uL#	27
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.330	55	13760	0.28	ng/uL#	31
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	11.738	107	245	0.00	ng/uL#	1
39) 2-Methylnaphthalene	12.012	142	2424	0.01	ng/uL#	90
40) 1-Methylnaphthalene	12.233	142	1276	0.01	ng/uL	96
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-03.D
Acq On : 21 Oct 2014 17:40
Operator : JLB
Sample : 1410085-03 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	0.000		0	N.D.		
49) 1,1'-Biphenyl	13.137	154	1420	0.01	ng/uL#	70
50) 2-Nitroaniline	13.667	138	138	0.00	ng/uL#	10
51) Acenaphthylene	14.116	152	143	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.052	165	877	0.02	ng/uL#	31
53) Dimethyl Phthalate	13.935	163	9898	0.05	ng/uL#	88
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.530	153	315	0.00	ng/uL#	67
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.949	168	452	0.00	ng/uL#	75
58) 4-Nitrophenol	14.891	65	154	0.00	ng/uL#	19
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.771	166	636	0.00	ng/uL#	9
63) Diethyl Phthalate	15.649	149	12026	0.06	ng/uL	95
64) 4-Chlorophenyl Phenyl ...	16.022	204	741	0.01	ng/uL#	1
65) 4-Nitroaniline	16.010	138	194	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.331	198	906	1.01	ng/uL#	1
68) N-Nitroso-diphenylamine	16.121	169	616	0.00	ng/uL#	53
69) 1,2-Diphenylhydrazine	16.243	182	2724	0.04	ng/uL#	35
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	17.520	266	813	0.02	ng/uL#	1
75) Phenanthrene	17.922	178	4022	0.01	ng/uL#	67
76) Anthracene	18.021	178	1083	0.00	ng/uL#	87
77) Carbazole	18.347	167	1160	0.00	ng/uL#	40
79) Di-n-butyl Phthalate	19.012	149	58449	0.20	ng/uL#	95
80) Fluoroanthene	19.793	202	3706	0.01	ng/uL#	86
82) Pyrene	20.084	202	3705	0.01	ng/uL#	1
83) Butyl Benzyl Phthalate	20.906	149	6850	0.06	ng/uL	95
84) Bis(2-ethylhexyl) adipate	21.005	129	2836	0.10	ng/uL#	100
85) Benzo(a)anthracene	21.501	228	5635	0.03	ng/uL#	1
86) Chrysene	21.524	228	2314	0.01	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.536	149	2112343	14.74	ng/uL	93
88) Di-n-octyl Phthalate	22.183	149	40028	0.49	ng/uL#	84
90) Benzo(b)fluoroanthene	22.684	252	4937	0.03	ng/uL#	78
91) Benzo(k)fluoranthene	22.713	252	5165	0.03	ng/uL#	34
92) Benzo(a)pyrene	23.104	252	3424	0.02	ng/uL#	50
93) Indeno(1,2,3-cd)pyrene	24.806	276	2853	0.02	ng/uL#	81
94) Dibdenz(a,h)anthracene	24.829	278	1938	0.02	ng/uL#	61
95) Benzo(g,h,i)Perylene	25.289	276	2622	0.02	ng/uL#	73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-03.D
Acq On : 21 Oct 2014 17:40
Operator : JLB
Sample : 1410085-03 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 07:53:55 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

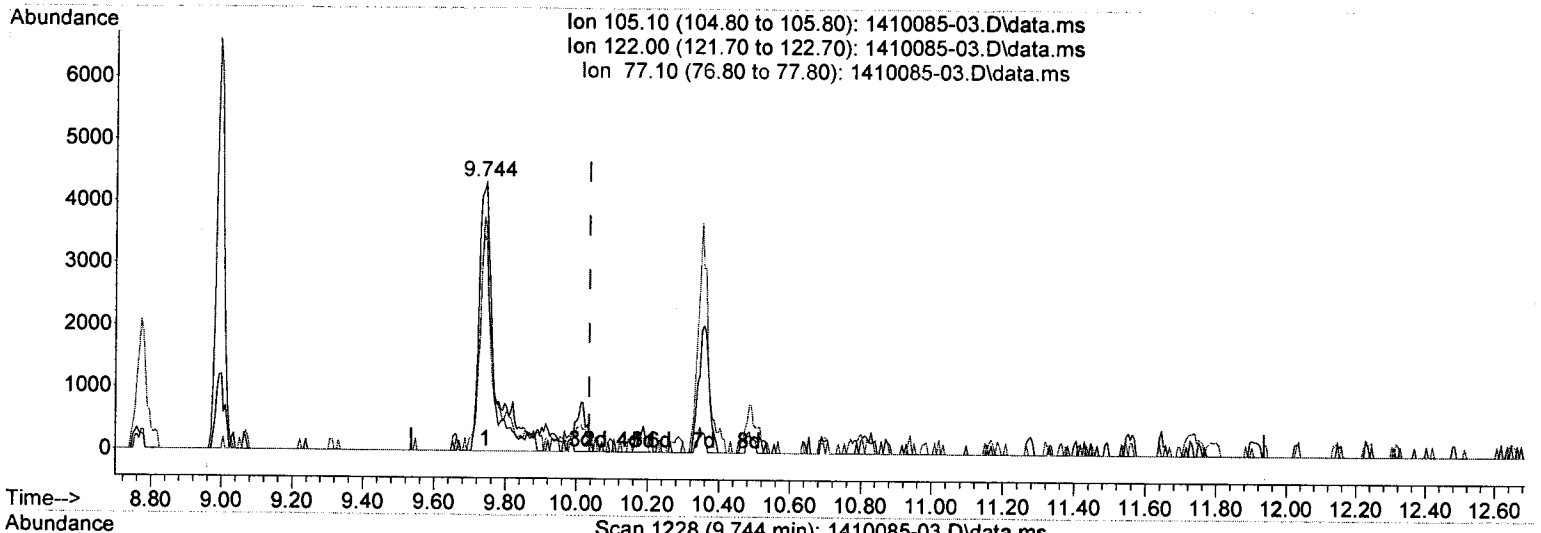
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.611	152	427132	5.00 ng/uL	# 0.00
8) Naphthalene-d8	10.351	136	1707444	5.00 ng/uL	0.00
11) Acenaphthene-d10	14.460	164	948039	5.00 ng/uL	0.00
16) Phenanthrene-d10	17.887	188	1522808	5.00 ng/uL	0.00
19) Chrysene-d12	21.501	240	1195095	5.00 ng/uL	# 0.00
22) Perylene-d12	23.174	264	828691	5.00 ng/uL	# 0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	3.409	74	1174	0.02 ng/uL	90
3) Pyridine	3.263	79	116	0.00 ng/uL#	14
4) Aniline	0.000		0	N.D.	
5) Benzaldehyde	6.772	105	4790	0.05 ng/uL#	53
6) Acetophenone	8.450	105	4899	0.03 ng/uL#	48
7) N-Nitroso-di-n-propyla...	8.468	70	1425	0.02 ng/uL#	22
9) 4-Chloroaniline	0.000		0	N.D.	
10) Caprolactam	11.330	55	8680	0.25 ng/uL#	37
12) 1,1'-Biphenyl	13.137	154	1420	0.01 ng/uL#	70
13) 2-Nitroaniline	13.667	138	138	0.01 ng/uL#	10
14) 3-Nitroaniline	0.000		0	N.D.	
15) 4-Nitroaniline	16.010	138	194	Below Cal #	1
17) N-Nitroso-diphenylamine	16.121	169	616	0.00 ng/uL#	53
18) Atrazine	0.000		0	N.D.	
20) Benzidine	20.003	184	229	0.41 ng/uL#	71
21) 3,3'-Dichlorobenzidine	21.483	252	127	0.00 ng/uL	96

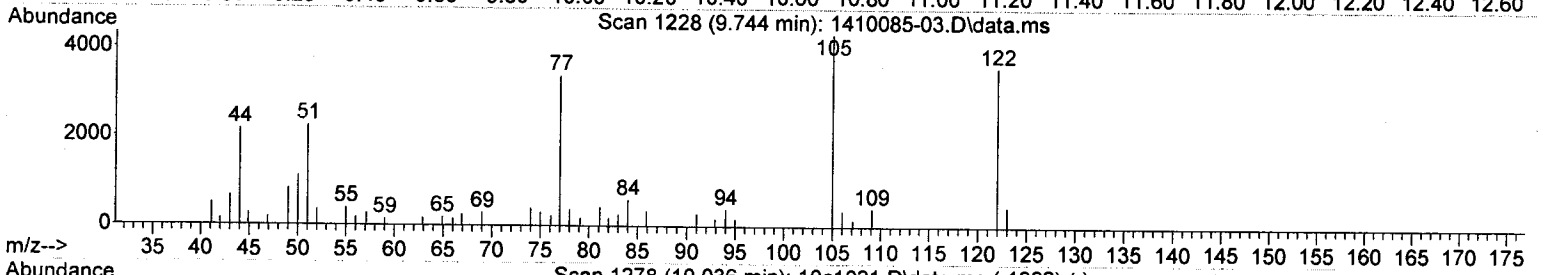
(#) = qualifier out of range (m) = manual integration (+) = signals summed

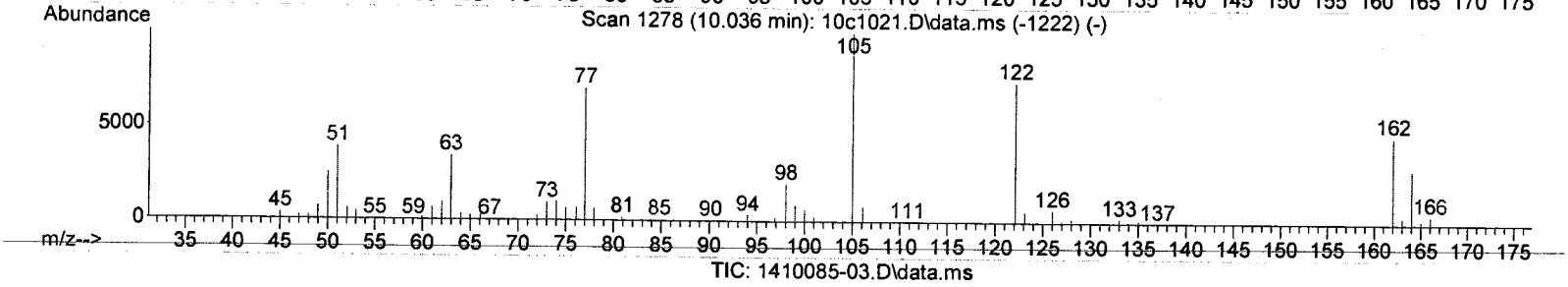
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-03.D
Acq On : 21 Oct 2014 17:40
Operator : JLB
Sample : 1410085-03 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-03.D\data.ms

(30) Benzoic Acid

9.744min (-0.292) 2.61 ng/uL

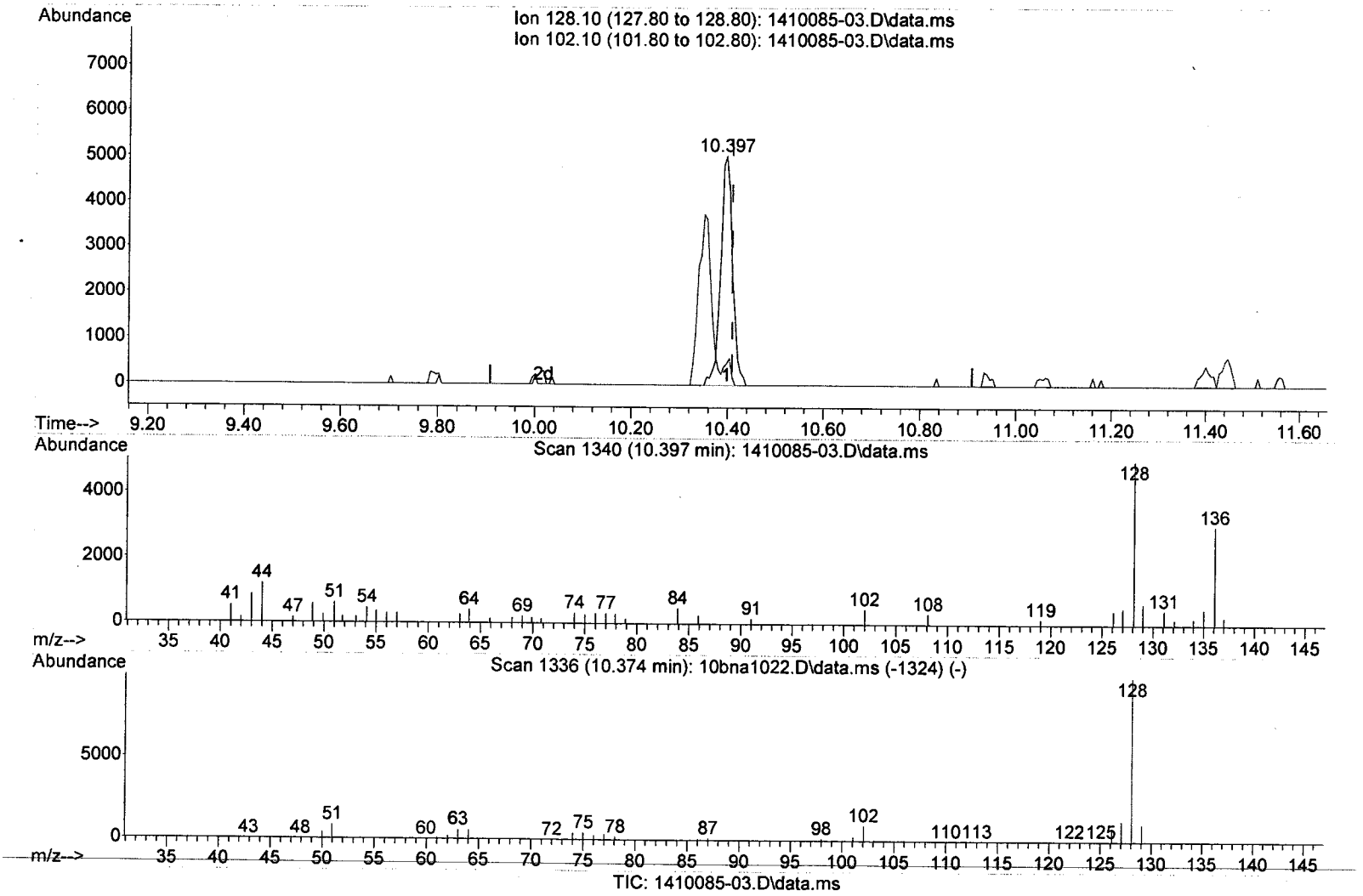
response 14238

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	66.55
77.10	74.70	65.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-03.D
Acq On : 21 Oct 2014 17:40
Operator : JLB
Sample : 1410085-03 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(32) Naphthalene

10.397min (-0.012) 0.03 ng/uL

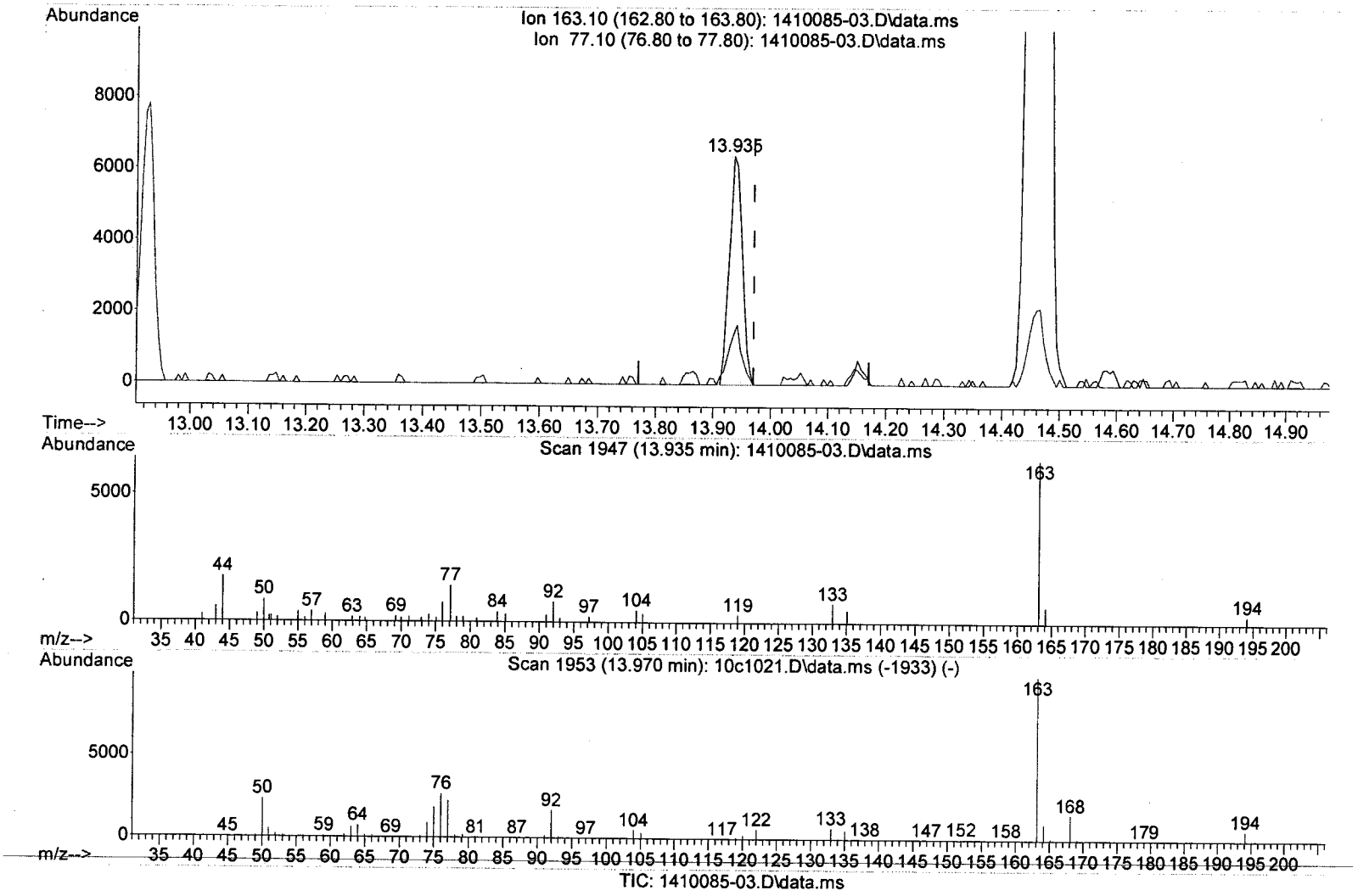
response 8611

Ion	Exp%	Act%
128.10	100.00	100.00
102.10	9.40	6.68#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-03.D
Acq On : 21 Oct 2014 17:40
Operator : JLB
Sample : 1410085-03 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(53) Dimethyl Phthalate

13.935min (-0.035) 0.05 ng/uL

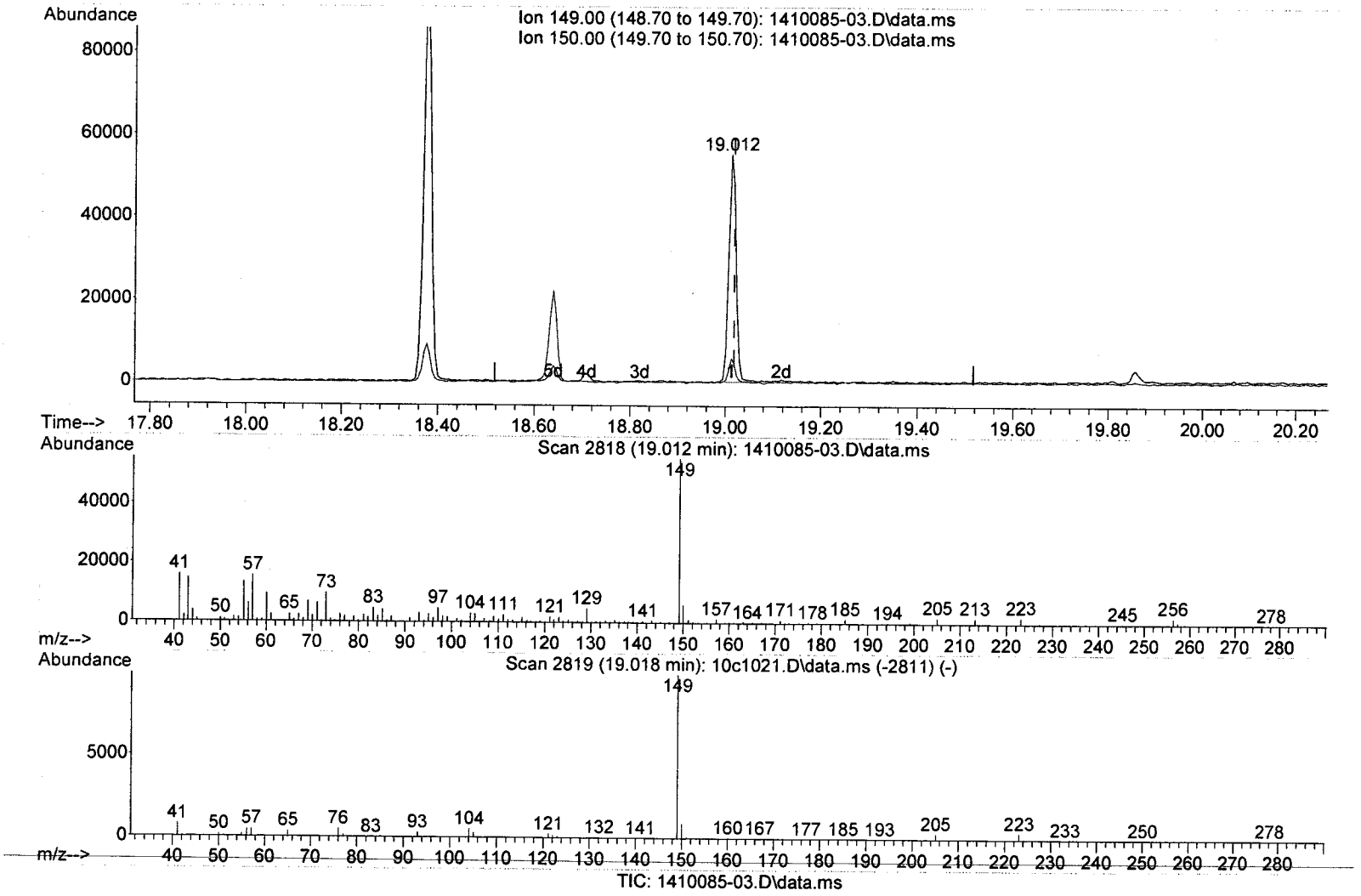
response 9898

Ion	Exp%	Act%
163.10	100.00	100.00
77.10	22.60	28.18#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-03.D
Acq On : 21 Oct 2014 17:40
Operator : JLB
Sample : 1410085-03 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(79) Di-n-butyl Phthalate

19.012min (-0.006) 0.20 ng/uL

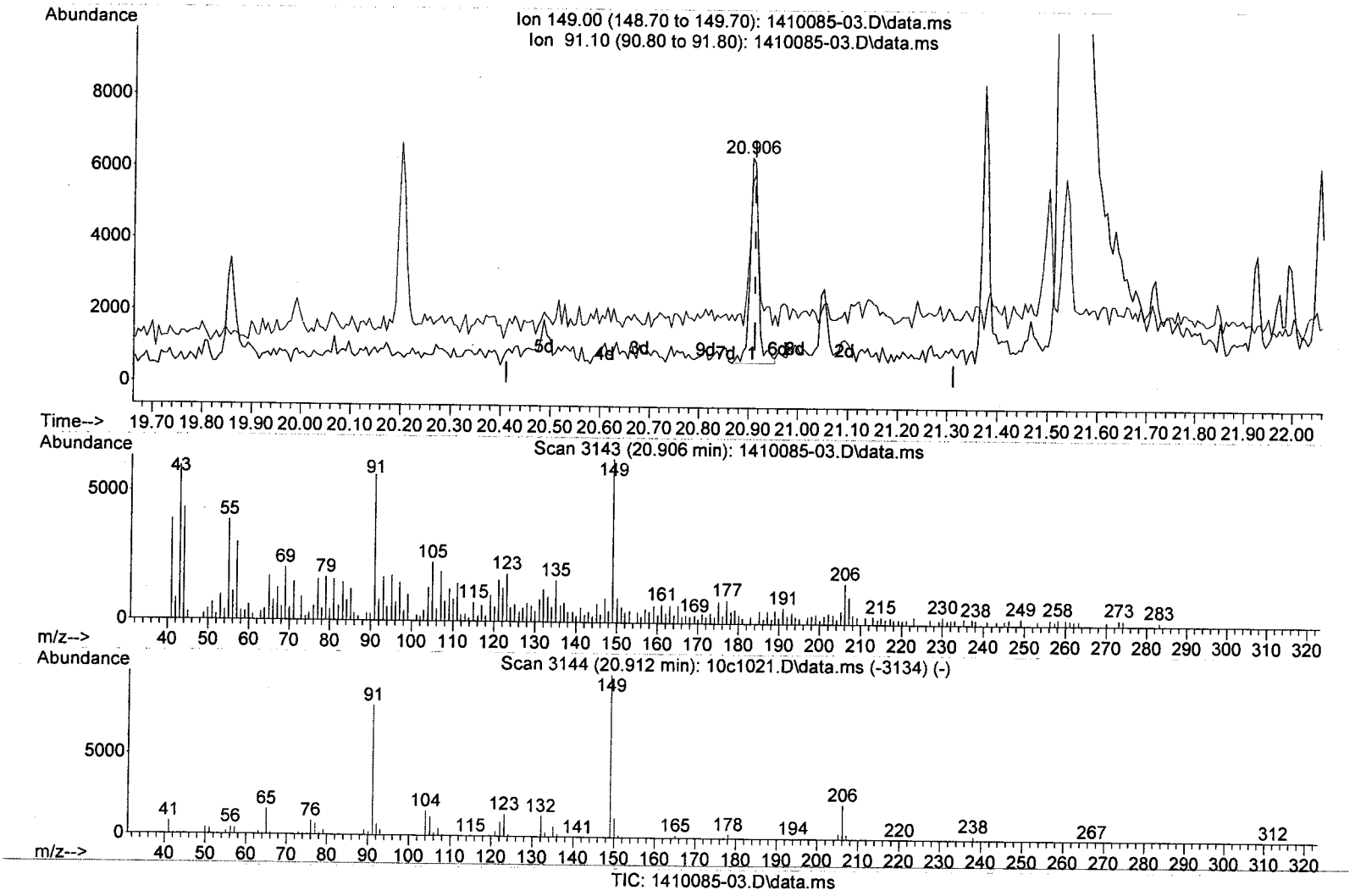
response 58449

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	10.74#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-03.D
Acq On : 21 Oct 2014 17:40
Operator : JLB
Sample : 1410085-03 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-03.D\data.ms

(83) Butyl Benzyl Phthalate

20.906min (-0.006) 0.06 ng/uL

response 6850

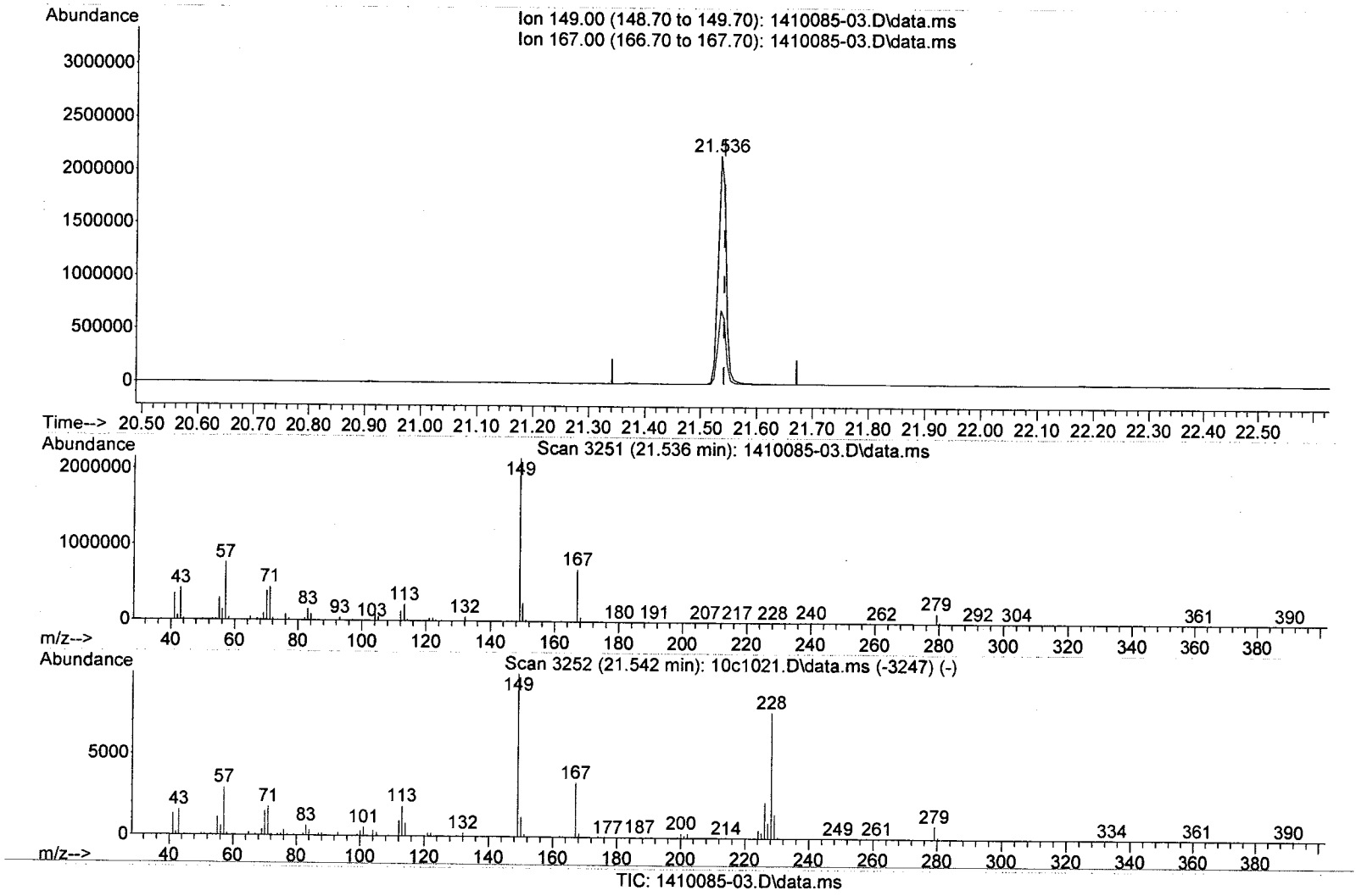
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	79.99
0.00	0.00	0.00
0.00	0.00	0.00

003929

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-03.D
Acq On : 21 Oct 2014 17:40
Operator : JLB
Sample : 1410085-03 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.536min (-0.006) 14.74 ng/uL

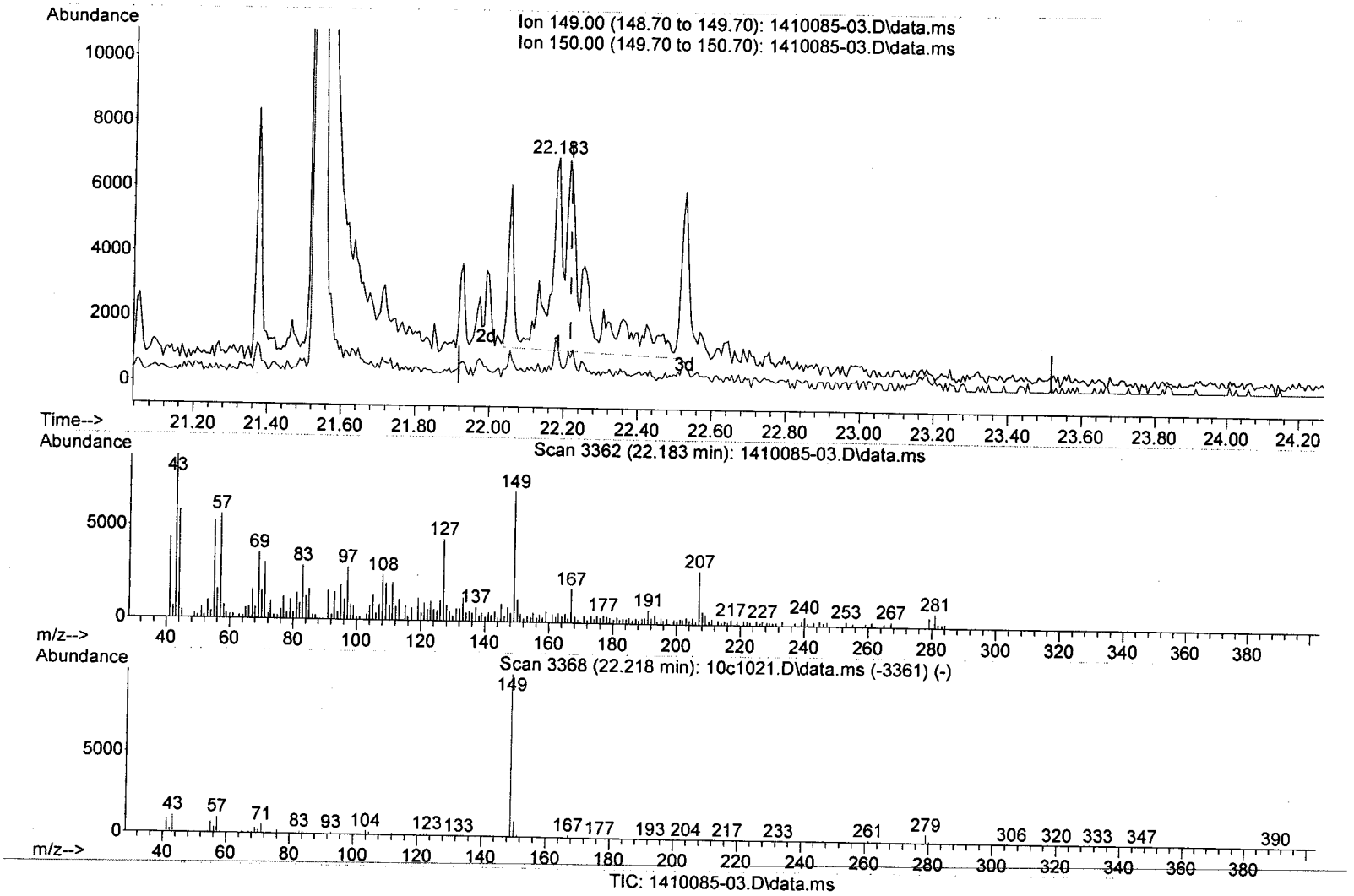
response 2112343

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	32.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-03.D
Acq On : 21 Oct 2014 17:40
Operator : JLB
Sample : 1410085-03 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 08:09:48 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.183min (-0.035) 0.49 ng/uL

response 40028

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	3.61#
0.00	0.00	0.00
0.00	0.00	0.00

PP

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB35-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-04 File ID: 1410085-04.D

Sampled: 10/01/14 10:10 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 00:05

Solids: 96.56 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.2	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	3.6	2.4	8.6	17	J
205-99-2	Benzo(b)fluoranthene	1	3.9	2.0	8.6	17	J
207-08-9	Benzo(k)fluoranthene	1	2.9	2.0	8.6	17	J
191-24-2	Benzo(g,h,i)perylene	1	8.6	2.0	8.6	34	U
65-85-0	Benzoic Acid	1	90	72	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	8.2	5.0	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.2	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB35-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-04 File ID: 1410085-04.D

Sampled: 10/01/14 10:10 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 00:05

Solids: 96.56 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	16	4.0	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	45	12	17	34	
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	714	536	75	33 - 113	
Phenol-d6	714	611	86	30 - 115	
Nitrobenzene-d5	357	310	87	33 - 131	
2-Fluorobiphenyl	357	321	90	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB35-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-04
File ID: 1410085-04.D
Sampled: 10/01/14 10:10
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 00:05
Solids: 96.56
Preparation: 3550C Sonication Extract
Initial/Final: 29 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	714	410	57	12 - 124	
o-Terphenyl	357	339	95	20 - 155	

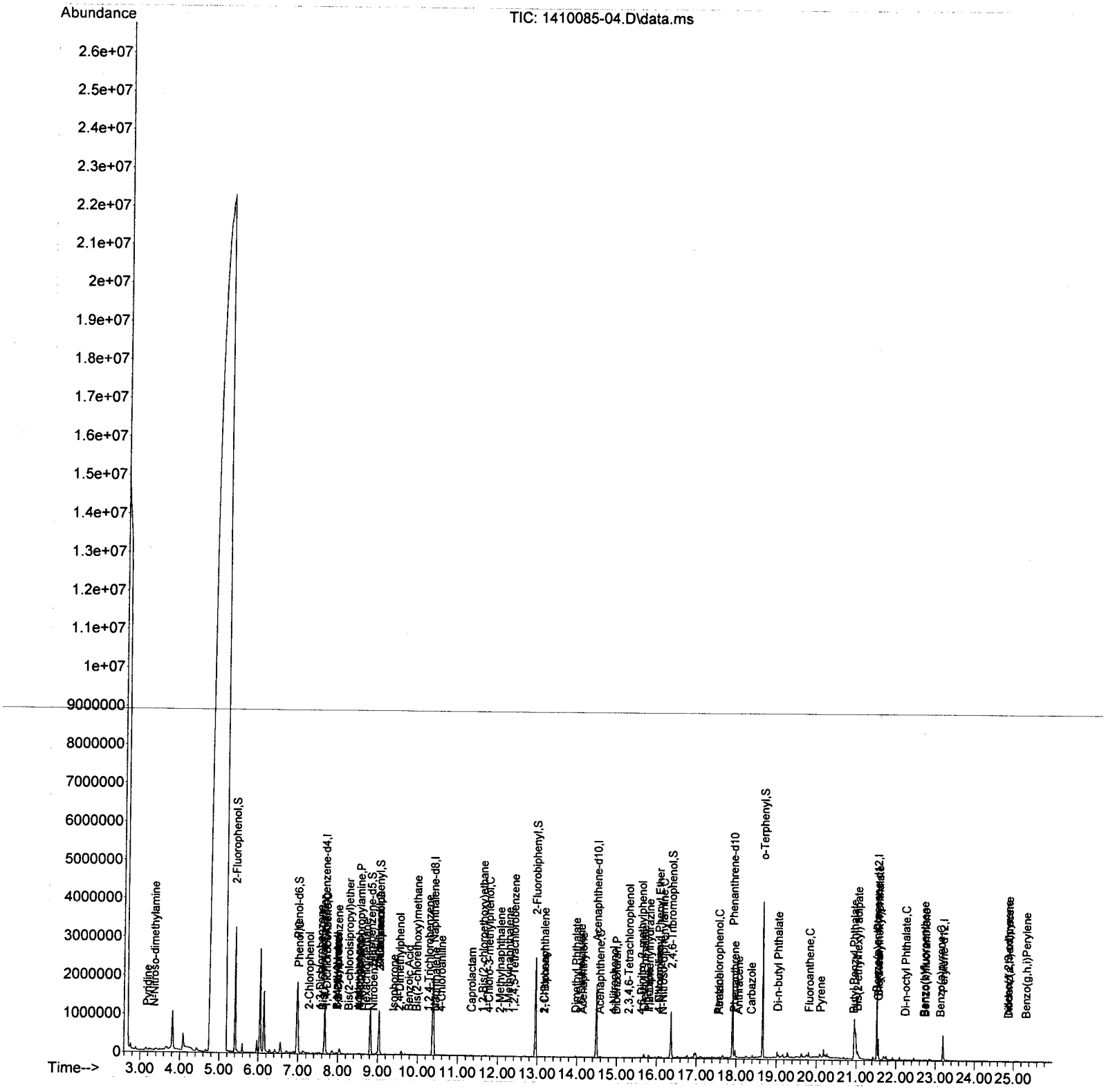
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	382510	7.669	403279	7.614	
Naphthalene-d8	1471506	10.391	1529030	10.359	
Acenaphthene-d10	805310	14.495	866604	14.474	
Phenanthrene-d10	1225597	17.91	1400442	17.901	
Chrysene-d12	859621	21.518	1153654	21.538	
Perylene-d12	364169	23.191	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:14:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



100414bna.M Tue Oct 21 08:15:26 2014 339

003935

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:14:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	382510	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.391	136	1471506	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.495	164	805310	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.910	188	1225597	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	859621	5.00	ng/uL	#-0.01
89) Perylene-d12	23.191	264	364169 (low)	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.408	112	1310746	15.00	ng/uL	0.19
6) Phenol-d6	6.988	99	1934673	17.10	ng/uL	0.05
21) Nitrobenzene-d5	8.818	82	817061	8.69	ng/uL	0.00
23) Decafluorobiphenyl	9.033	334	533668	8.09	ng/uL	0.00
47) 2-Fluorobiphenyl	12.962	172	1493978	8.98	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.372	330	213340	11.48	ng/uL	-0.01
78) o-Terphenyl	18.662	230	995760	9.48	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.356	74	522	0.01	ng/uL	84
3) Pyridine	3.181	79	1339	0.01	ng/uL#	68
5) Aniline	0.000		0	N.D.		
7) Phenol	7.005	94	2978	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.617	93	642	0.01	ng/uL#	1
9) 2-Chlorophenol	7.273	128	287	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.547	146	3632	0.03	ng/uL#	11
11) 1,4-Dichlorobenzene	7.704	146	1769	0.02	ng/uL#	1
12) 1,2-Dichlorobenzene	7.996	146	4192	0.04	ng/uL#	80
13) Bis(2-chloroisipropyl)...	8.270	45	855	0.00	ng/uL#	51
14) Benzyl Alcohol	7.973	108	2649	0.04	ng/uL	79
15) 2-Methylphenol	7.973	108	2649	0.03	ng/uL#	1
16) Acetophenone	8.509	105	2672	0.02	ng/uL	87
17) Hexachloroethane	8.695	119	233	0.01	ng/uL#	3
18) 4-Methylphenol	8.538	108	60	0.00	ng/uL#	39
19) N-Nitroso-di-n-propyla...	8.550	70	1428	0.02	ng/uL	100
22) Nitrobenzene	8.882	77	235	0.00	ng/uL#	4
24) Isophorone	9.395	82	1206	0.01	ng/uL#	78
25) 2-Chloroaniline	9.033	127	7220	0.06	ng/uL#	62
26) 2-Nitrophenol	9.039	139	1400	0.03	ng/uL#	46
27) 2,4-Dimethylphenol	9.540	107	238	0.00	ng/uL	99
28) Bis(2-chlorethoxy)methane	9.972	93	72	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.774	105	6277m	2.53	ng/uL	
31) 1,2,4-Trichlorobenzene	10.269	180	2078	0.02	ng/uL	96
32) Naphthalene	10.432	128	2278	0.01	ng/uL#	89
33) 4-Chloroaniline	10.578	127	629	0.01	ng/uL#	7
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.342	55	5899	0.14	ng/uL#	53
37) 1,2-Bis(2-chloroethoxy...	11.621	63	279	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.767	107	307	0.00	ng/uL#	60
39) 2-Methylnaphthalene	12.053	142	376	0.00	ng/uL#	83
40) 1-Methylnaphthalene	12.262	142	106	0.00	ng/uL#	13
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:14:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.408	216	280	0.00	ng/uL#	59
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.172	162	397	0.00	ng/uL#	22
49) 1,1'-Biphenyl	13.178	154	1015	0.00	ng/uL#	72
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.145	152	58	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.093	165	384	0.01	ng/uL#	36
53) Dimethyl Phthalate	13.970	163	1070	0.01	ng/uL#	1
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.571	153	1235	0.01	ng/uL	98
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.984	168	751	0.00	ng/uL#	16
58) 4-Nitrophenol	14.920	65	330	0.01	ng/uL#	21
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	15.293	232	56	0.00	ng/uL#	14
62) Fluorene	15.800	166	1249	0.01	ng/uL#	50
63) Diethyl Phthalate	15.684	149	37823	0.23	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	16.057	204	1307	0.02	ng/uL#	1
65) 4-Nitroaniline	16.051	138	248	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.614	198	122	(1) ~~0.99~~	ng/uL#	14
68) N-Nitroso-diphenylamine	16.162	169	367	0.00	ng/uL#	38
69) 1,2-Diphenylhydrazine	15.806	182	80	0.00	ng/uL	79
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.561	200	131	0.00	ng/uL#	25
74) Pentachlorophenol	17.555	266	2010	0.08	ng/uL#	78
75) Phenanthrene	17.951	178	10078	0.04	ng/uL#	88
76) Anthracene	18.050	178	2655	0.01	ng/uL#	87
77) Carbazole	18.371	167	2211	0.01	ng/uL#	80
79) Di-n-butyl Phthalate	19.035	149	14277	0.06	ng/uL#	91
80) Fluoroanthene	19.816	202	10370	0.05	ng/uL	95
82) Pyrene	20.102	202	10075	0.05	ng/uL#	61
83) Butyl Benzyl Phthalate	20.930	149	7443m	0.09	ng/uL	
84) Bis(2-ethylhexyl) adipate	21.023	129	3823	0.12	ng/uL#	100
85) Benzo(a)anthracene	21.507	228	8491	0.05	ng/uL#	42
86) Chrysene	21.547	228	5908	0.04	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.553	149	129275	1.25	ng/uL	90
88) Di-n-octyl Phthalate	22.229	149	21424	0.45	ng/uL#	88
90) Benzo(b)fluoroanthene	22.702	252	7600	0.11	ng/uL	96
91) Benzo(k)fluoranthene	22.736	252	5780	0.08	ng/uL#	72
92) Benzo(a)pyrene	23.121	252	6473	0.10	ng/uL	97
93) Indeno(1,2,3-cd)pyrene	24.852	276	2745	0.05	ng/uL#	52
94) Dibdenz(a,h)anthracene	24.870	278	1885	0.04	ng/uL	97
95) Benzo(g,h,i)Perylene	25.319	276	1963	0.04	ng/uL#	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

003937

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 07:51:20 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

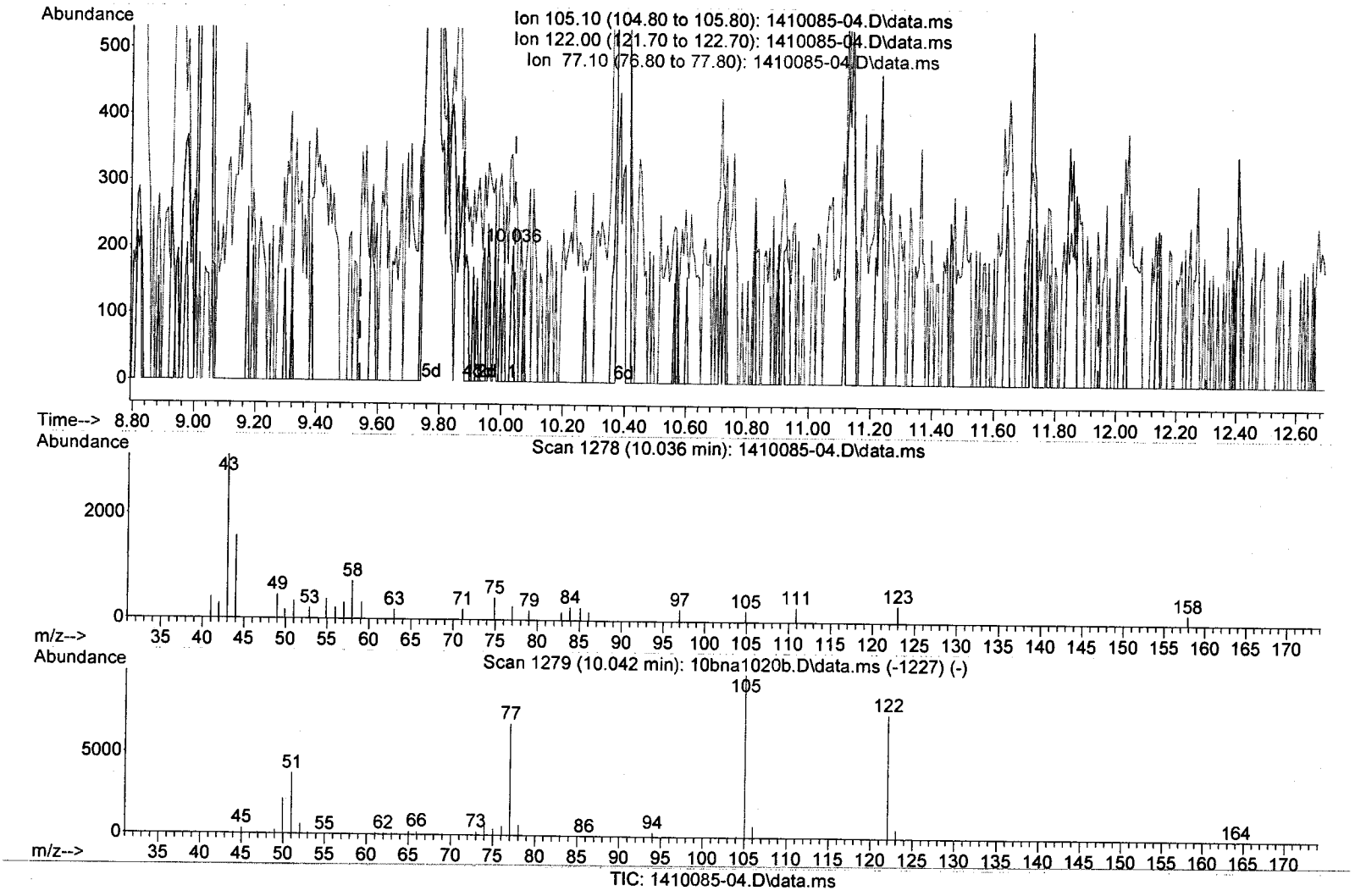
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.669	152	380985	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.391	136	1471506	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.495	164	805080	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1225597	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	859621	5.00	ng/uL	#	0.00
22) Perylene-d12	23.191	264	364169	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.286	74	1484	0.02	ng/uL	#	67
3) Pyridine	3.181	79	1339	0.01	ng/uL	#	68
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.789	105	170	0.00	ng/uL	#	1
6) Acetophenone	8.509	105	2672	0.02	ng/uL		87
7) N-Nitroso-di-n-propyla...	8.550	70	1428	0.02	ng/uL		100
9) 4-Chloroaniline	10.578	127	629	0.02	ng/uL	#	7
10) Caprolactam	11.342	55	2020	0.14	ng/uL	#	51
12) 1,1'-Biphenyl	13.178	154	1015	0.00	ng/uL	#	72
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	16.051	138	248	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.162	169	367	0.00	ng/uL	#	38
18) Atrazine	17.561	200	131	Below Cal		#	25
20) Benzidine	20.184	184	601	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:13:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(30) Benzoic Acid

10.036min (-0.006) 2.46 ng/uL

response 125

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	413.60#
0.00	0.00	0.00

JLB 10/21/14

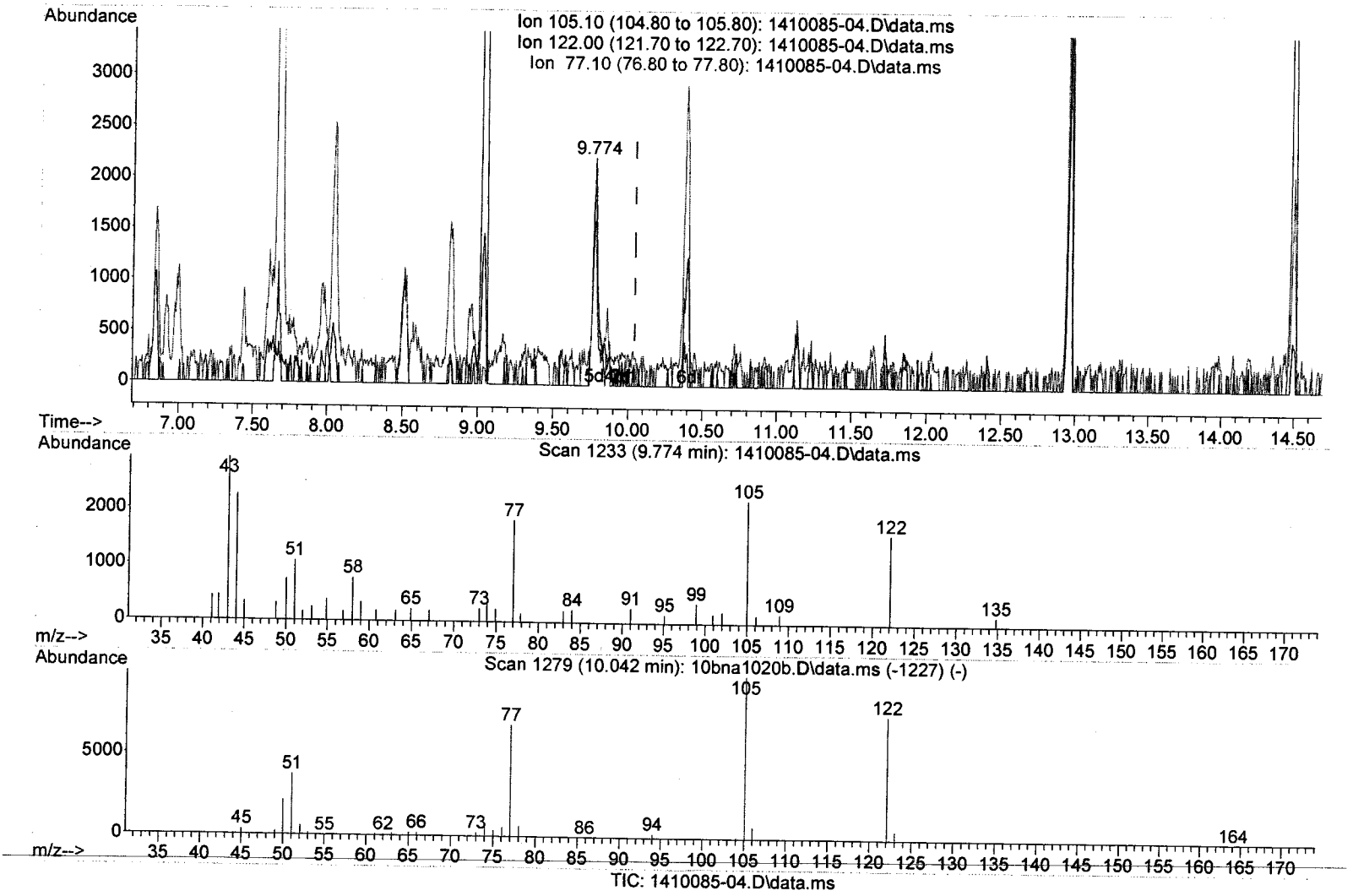
DWB 10-22-14

JLB 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:13:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.774min (-0.268) 2.53 ng/uL m

response 6277

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	8.24#
0.00	0.00	0.00

Manual Integration Explanation

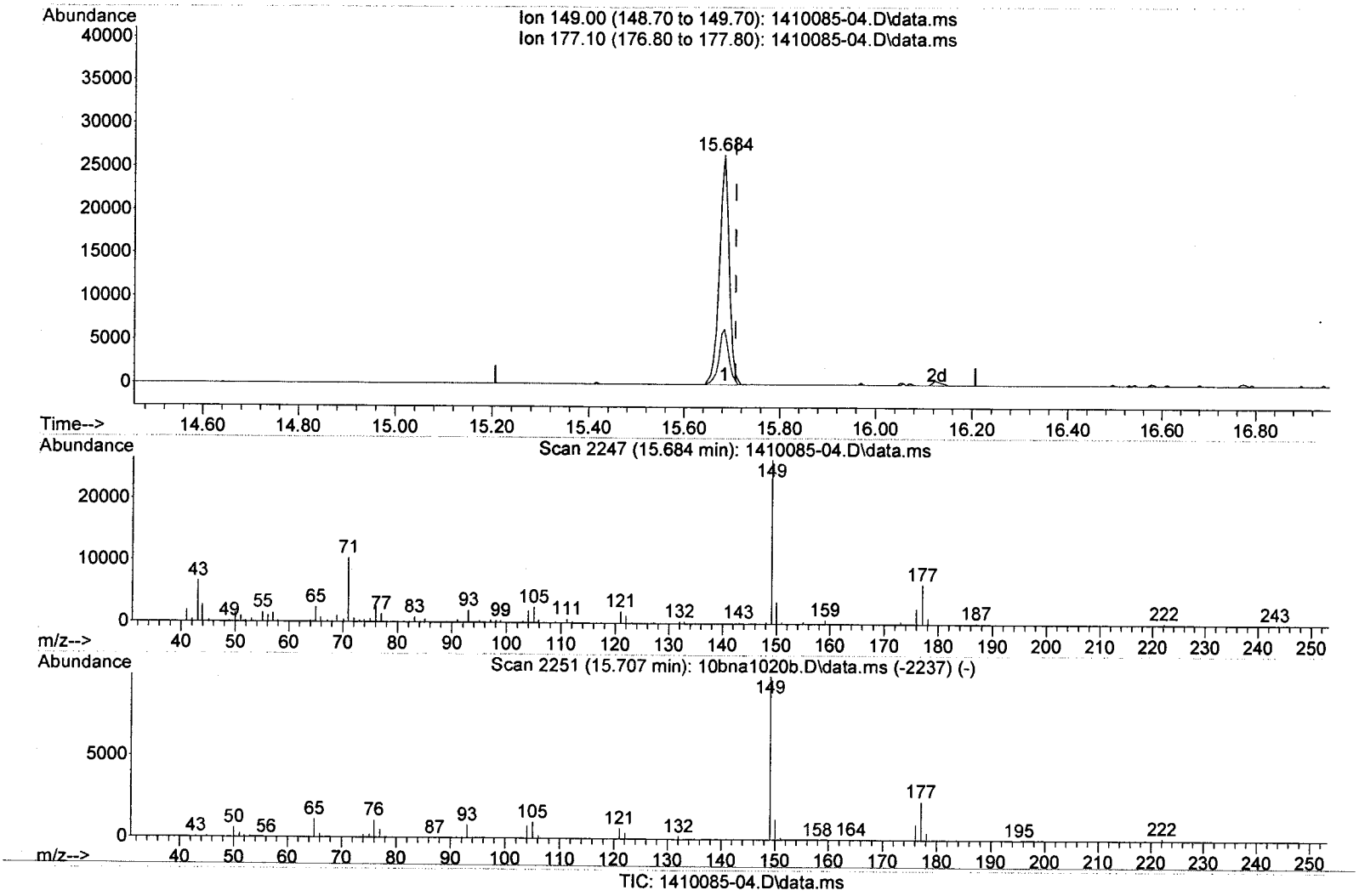
Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/21/14
Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:13:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410085-04.D\data.ms

(63) Diethyl Phthalate

15.684min (-0.023) 0.23 ng/uL

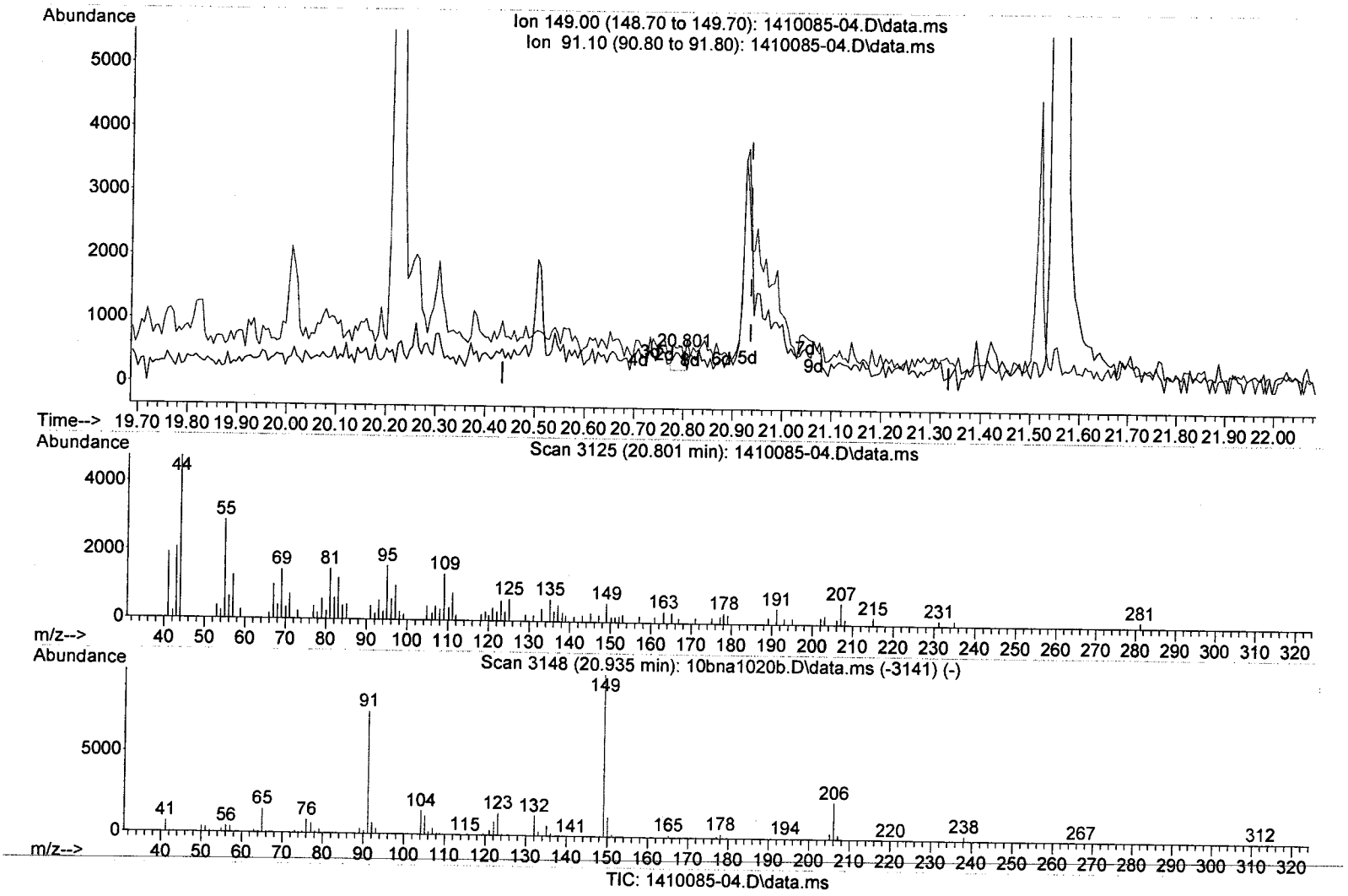
response 37823

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	24.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:13:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.801min (-0.134) 0.01 ng/uL

response 422

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	70.14
0.00	0.00	0.00
0.00	0.00	0.00

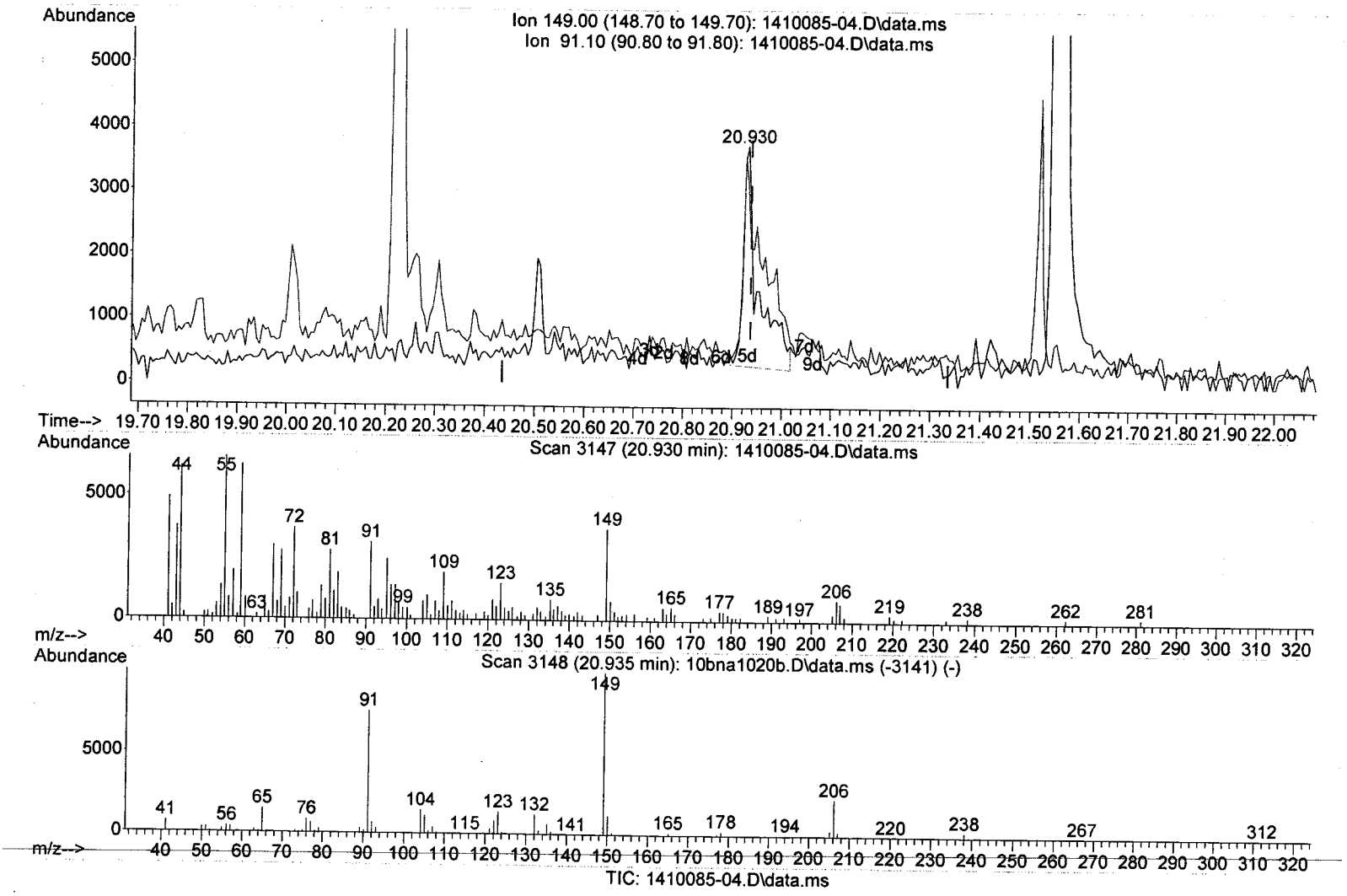
DWY 10-22-14

JLS 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:13:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

20.930min (-0.006) 0.09 ng/uL m

response 7443

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	3.98#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

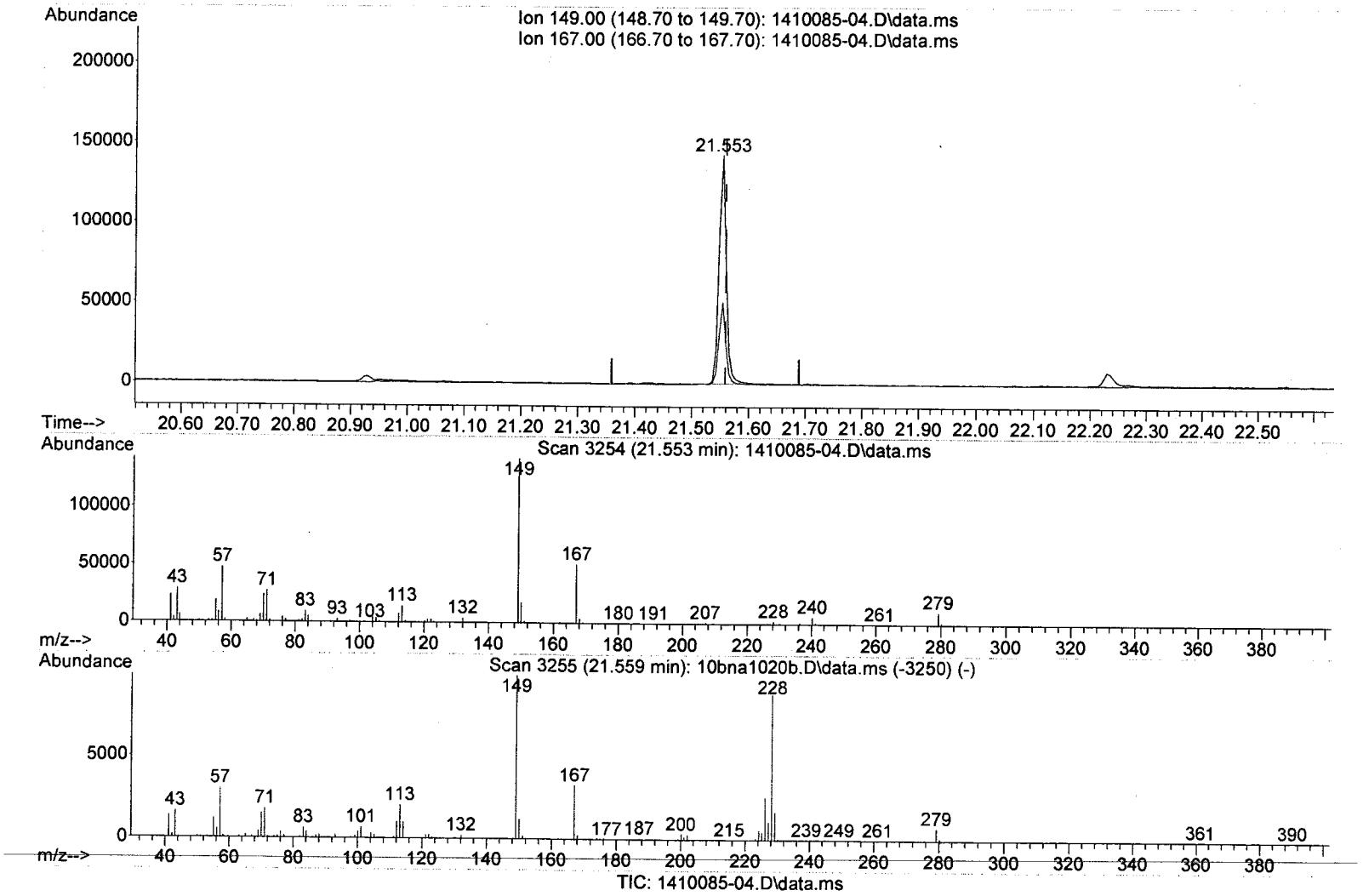
Flagged on Quantitation Report: (Yes) / No
Analyst: _____ Date: 10/21/14
Reviewed By: _____ Date: 10-22-14

< MDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:13:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.553min (-0.006) 1.25 ng/uL

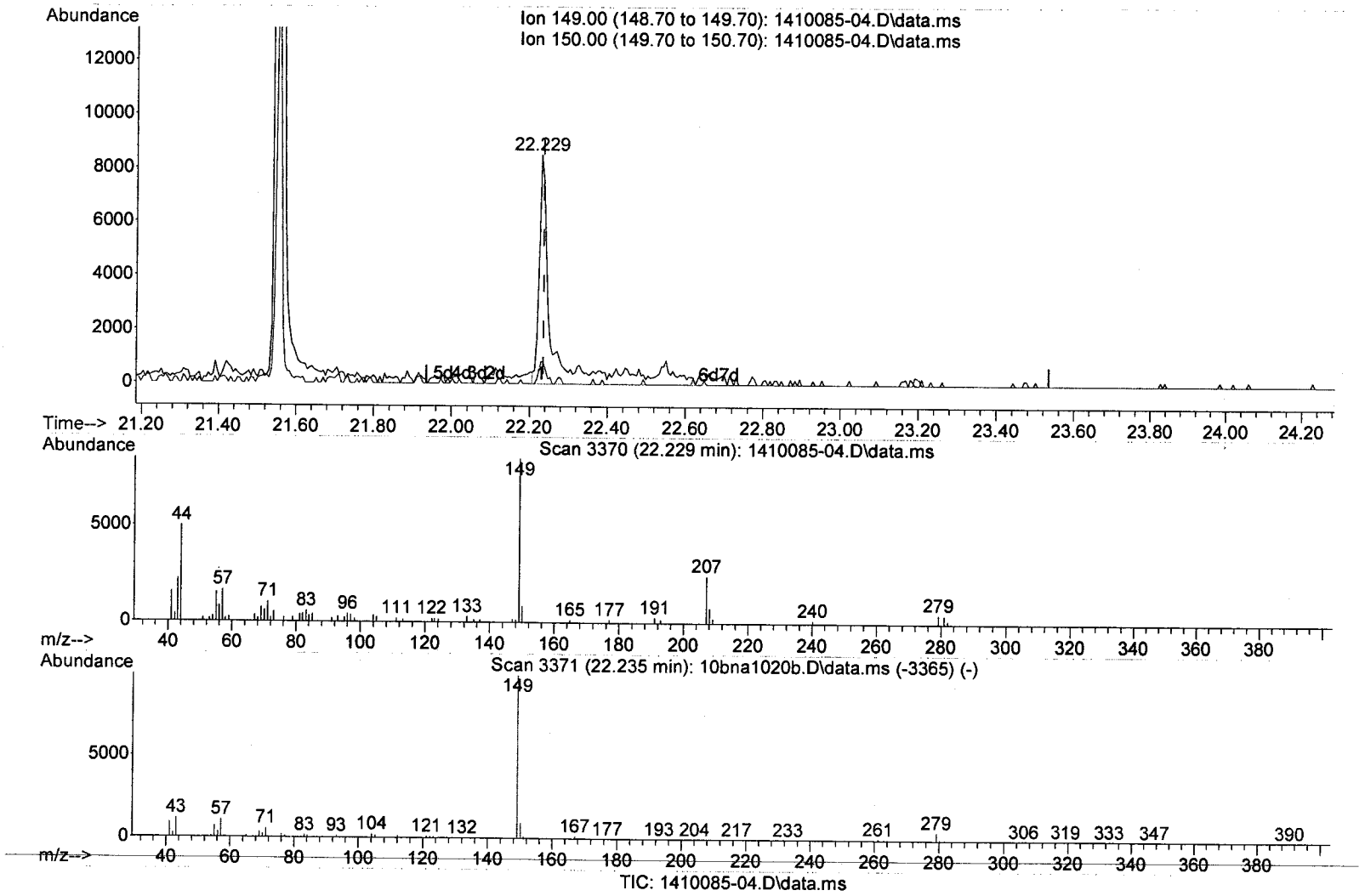
response 129275

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:13:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 0.45 ng/uL

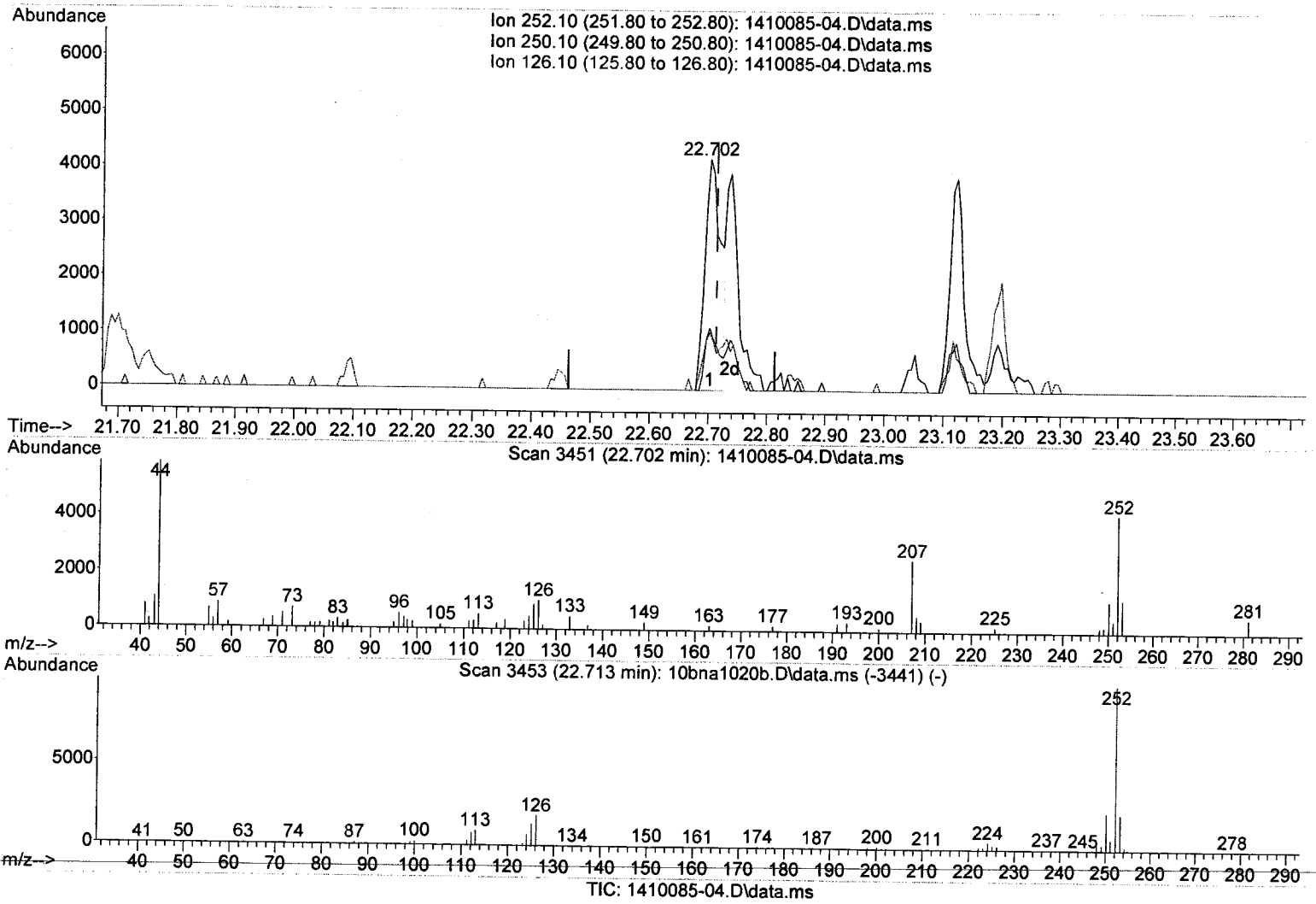
response 21424

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	5.17#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:13:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.702min (-0.012) 0.11 ng/uL

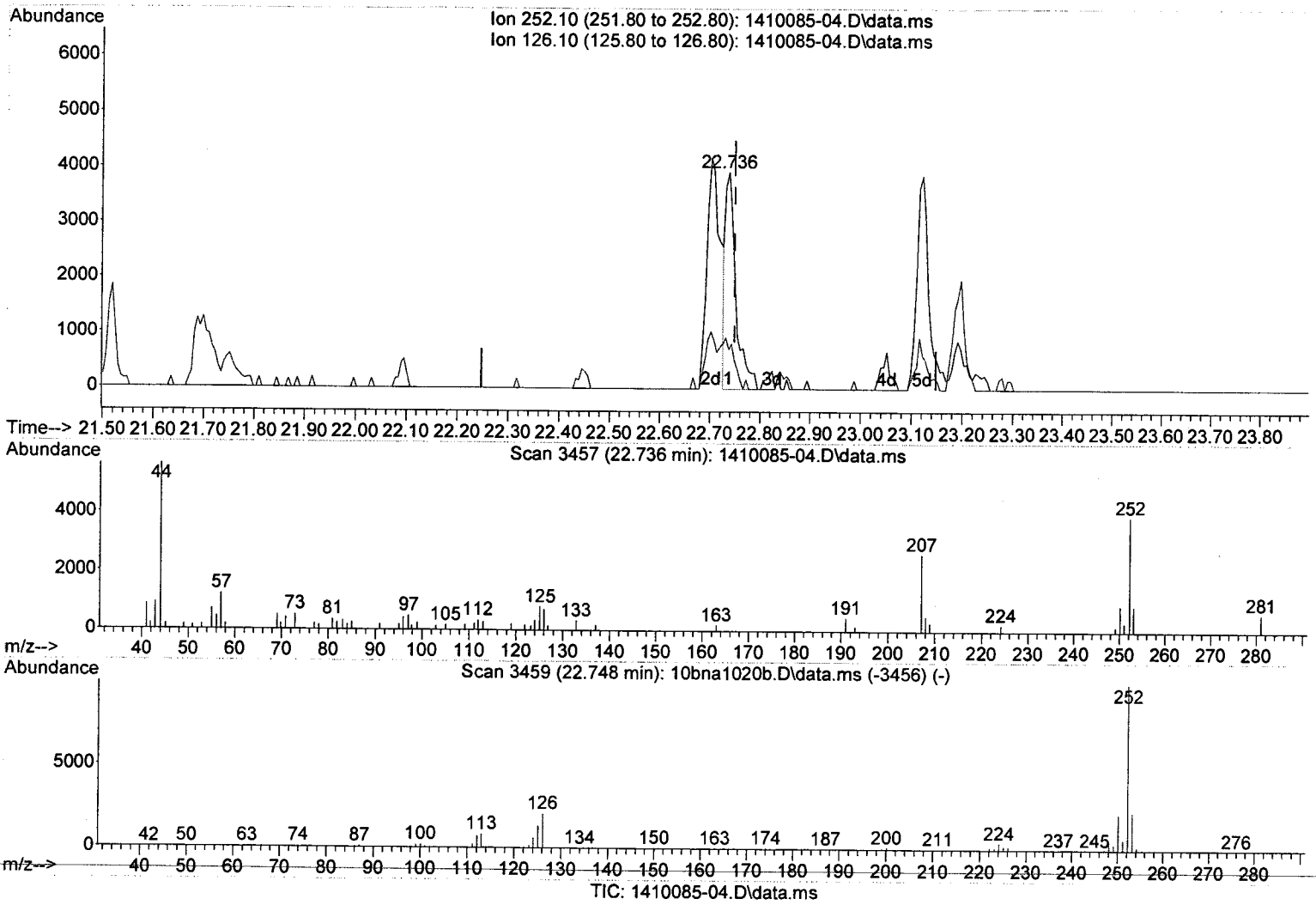
response 7600

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	24.04
126.10	17.20	19.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:13:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.736min (-0.012) 0.08 ng/uL

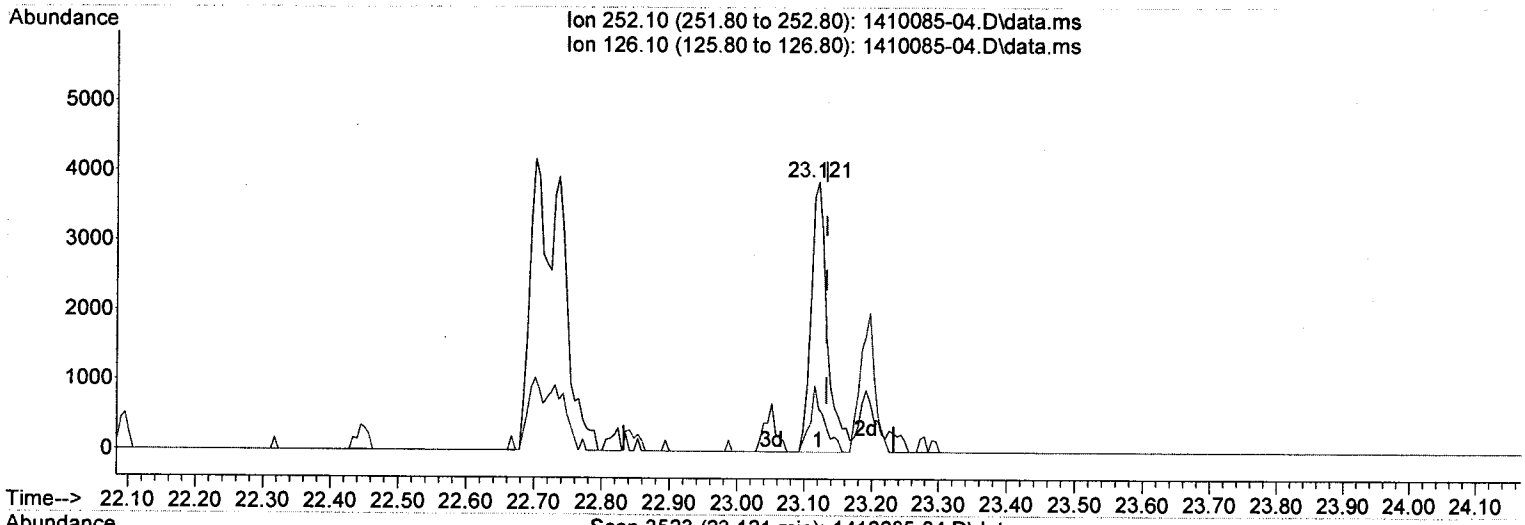
response 5780

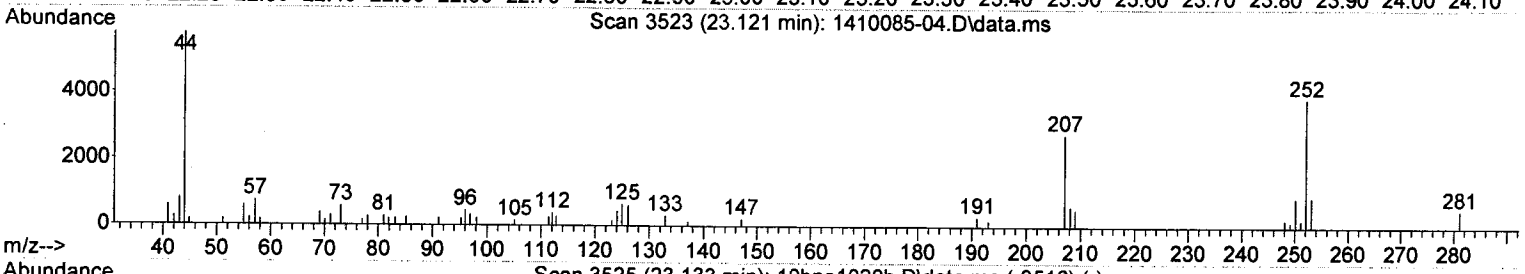
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	31.47#
0.00	0.00	0.00
0.00	0.00	0.00

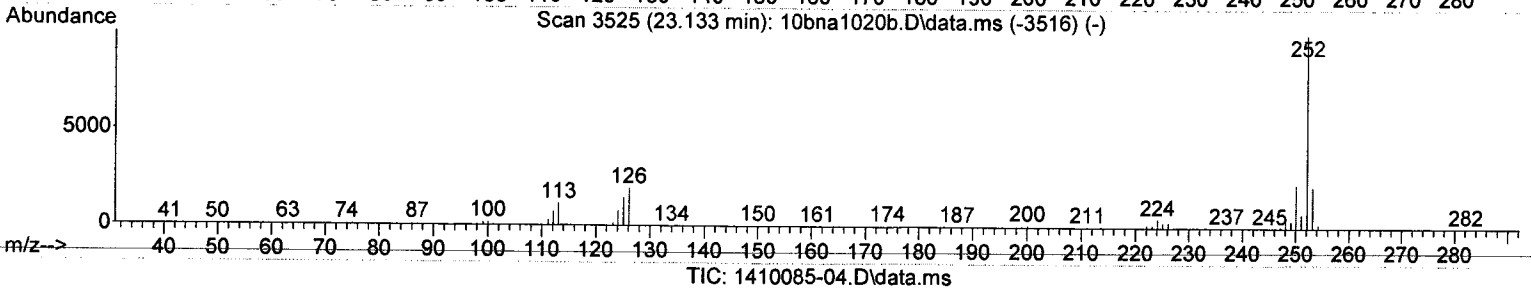
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-04.D
Acq On : 21 Oct 2014 00:05
Operator : JLB
Sample : 1410085-04 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 08:13:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410085-04.D\data.ms

(92) Benzo(a)pyrene (C)

23.121min (-0.012) 0.10 ng/uL

response 6473

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	20.76
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB35-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-04RE1 File ID: 1410085-04 2x.D

Sampled: 10/01/14 10:10 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 19:16

Solids: 96.56 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	2	35	9.6	35	35	U
208-96-8	Acenaphthylene	2	35	8.6	35	35	U
120-12-7	Anthracene	2	35	8.3	35	35	U
56-55-3	Benzo(a)anthracene	2	17	5.7	17	35	U
50-32-8	Benzo(a)pyrene	2	17	4.8	17	35	U
205-99-2	Benzo(b)fluoranthene	2	17	4.0	17	35	U
207-08-9	Benzo(k)fluoranthene	2	17	4.0	17	35	U
191-24-2	Benzo(g,h,i)perylene	2	17	3.9	17	69	U
65-85-0	Benzoic Acid	2	180	140	350	690	J
100-51-6	Benzyl Alcohol	2	35	9.5	35	35	U
101-55-3	4-Bromophenyl Phenyl Ether	2	35	8.4	35	35	U
85-68-7	Butyl Benzyl Phthalate	2	35	8.3	35	69	U
86-74-8	Carbazole	2	35	8.3	35	350	U
59-50-7	4-Chloro-3-methylphenol	2	35	10	35	35	U
106-47-8	4-Chloroaniline	2	35	18	35	140	U
111-91-1	Bis(2-chloroethoxy)methane	2	35	8.4	35	35	U
111-44-4	Bis(2-chloroethyl) Ether	2	35	8.2	35	35	U
108-60-1	Bis(2-chloroisopropyl) Ether	2	17	7.6	17	35	U
91-58-7	2-Chloronaphthalene	2	35	10	35	35	U
95-57-8	2-Chlorophenol	2	35	8.2	35	35	U
7005-72-3	4-Chlorophenyl Phenyl Ether	2	35	7.9	35	35	U
218-01-9	Chrysene	2	35	8.1	35	35	U
53-70-3	Dibenz(a,h)anthracene	2	17	4.0	17	69	U
132-64-9	Dibenzofuran	2	35	10	35	35	U
84-74-2	Di-n-butyl Phthalate	2	69	28	69	140	U
106-46-7	1,4-Dichlorobenzene	2	35	10	35	35	U
95-50-1	1,2-Dichlorobenzene	2	35	11	35	35	U
541-73-1	1,3-Dichlorobenzene	2	35	12	35	35	U
91-94-1	3,3′-Dichlorobenzidine	2	1400	580	1400	1700	U
120-83-2	2,4-Dichlorophenol	2	35	8.5	35	69	U
84-66-2	Diethyl Phthalate	2	35	10	35	35	U
105-67-9	2,4-Dimethylphenol	2	280	75	280	350	U
131-11-3	Dimethyl Phthalate	2	35	9.8	35	35	U
534-52-1	4,6-Dinitro-2-methylphenol	2	140	44	140	350	U
51-28-5	2,4-Dinitrophenol	2	350	120	350	350	U
606-20-2	2,6-Dinitrotoluene	2	17	8.3	17	35	U
121-14-2	2,4-Dinitrotoluene	2	17	6.8	17	69	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB35-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-04RE1 File ID: 1410085-04 2x.D

Sampled: 10/01/14 10:10 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 19:16

Solids: 96.56 Preparation: 3550C Sonication Extract Initial/Final: 29 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	2	26	8.0	35	35	JB
122-66-7	1,2-Diphenylhydrazine	2	17	7.0	17	35	U
117-81-7	Bis(2-ethylhexyl) Phthalate	2	41	24	35	69	J
206-44-0	Fluoranthene	2	35	9.3	35	35	U
86-73-7	Fluorene	2	35	8.3	35	69	U
118-74-1	Hexachlorobenzene	2	35	9.8	35	35	U
87-68-3	Hexachlorobutadiene	2	35	9.5	35	35	U
67-72-1	Hexachloroethane	2	35	10	35	35	U
193-39-5	Indeno(1,2,3-cd)pyrene	2	17	5.6	17	69	U
78-59-1	Isophorone	2	35	8.0	35	35	U
91-57-6	2-Methylnaphthalene	2	35	9.4	35	35	U
108-39-4	3+4-Methylphenol	2	17	7.6	17	35	U
95-48-7	2-Methylphenol	2	17	7.4	17	35	U
91-20-3	Naphthalene	2	35	12	35	35	U
100-01-6	4-Nitroaniline	2	140	51	140	680	U
88-74-4	2-Nitroaniline	2	17	7.4	17	35	U
99-09-2	3-Nitroaniline	2	69	34	69	680	U
98-95-3	Nitrobenzene	2	35	9.5	35	35	U
88-75-5	2-Nitrophenol	2	35	9.3	35	35	U
100-02-7	4-Nitrophenol	2	690	210	690	1400	U
62-75-9	N-Nitroso-dimethylamine	2	14	6.9	14	69	U
86-30-6	N-Nitroso-diphenylamine	2	17	7.1	17	35	U
621-64-7	N-Nitroso-di-n-propylamine	2	35	8.4	35	35	U
87-86-5	Pentachlorophenol	2	35	27	35	350	U
85-01-8	Phenanthrene	2	35	8.5	35	35	U
108-95-2	Phenol	2	35	8.1	35	350	U
129-00-0	Pyrene	2	35	8.9	35	35	U
120-82-1	1,2,4-Trichlorobenzene	2	35	9.2	35	35	U
95-95-4	2,4,5-Trichlorophenol	2	35	9.3	35	35	U
88-06-2	2,4,6-Trichlorophenol	2	17	5.2	17	35	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	714	534	75	33 - 113	
Phenol-d6	714	615	86	30 - 115	
Nitrobenzene-d5	357	304	85	33 - 131	
2-Fluorobiphenyl	357	323	90	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB35-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-04RE1
File ID: 1410085-04 2x.D
Sampled: 10/01/14 10:10
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 19:16
Solids: 96.56
Preparation: 3550C Sonication Extract
Initial/Final: 29 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21047
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	714	341	48	12 - 124	
o-Terphenyl	357	322	90	20 - 155	

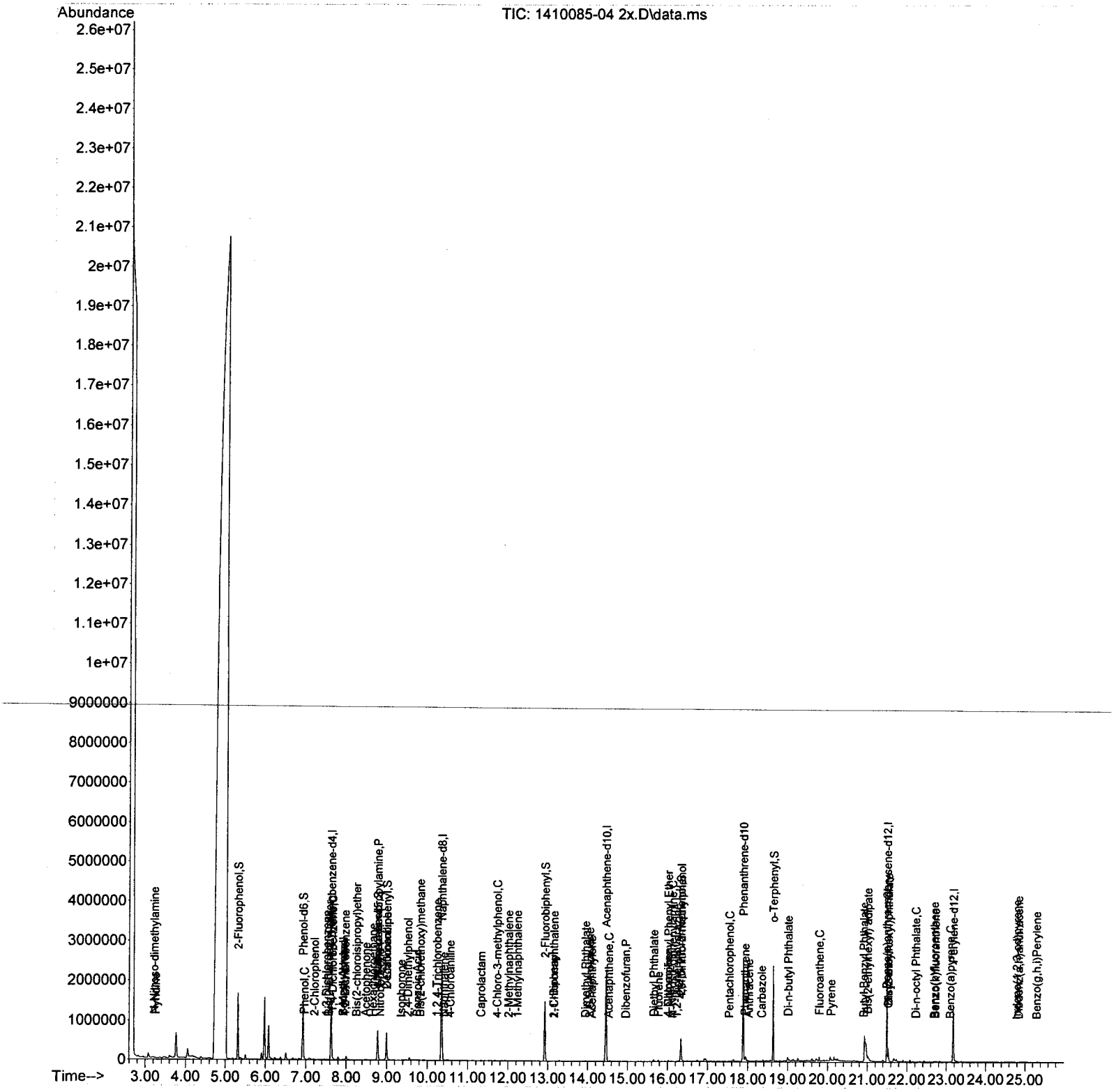
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	407720	7.629	403279	7.614	
Naphthalene-d8	1613251	10.351	1529030	10.359	
Acenaphthene-d10	903591	14.46	866604	14.474	
Phenanthrene-d10	1461541	17.881	1400442	17.901	
Chrysene-d12	1132420	21.501	1153654	21.538	
Perylene-d12	770724	23.174	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-04 2x.D
Acq On : 21 Oct 2014 19:16
Operator : JLB
Sample : 1410085-04 2x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 22 08:16:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



003952

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-04 2x.D
Acq On : 21 Oct 2014 19:16
Operator : JLB
Sample : 1410085-04 2x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

rel

Quant Time: Oct 22 08:16:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.629	152	407720	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.351	136	1613251	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.460	164	903591	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.881	188	1461541	5.00	ng/uL	0.00
81) Chrysene-d12	21.501	240	1132420	5.00	ng/uL	# 0.00
89) Perylene-d12	23.174	264	770724	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.315	112	695496	7.47	ng/uL	0.13
6) Phenol-d6	6.929	99	1037721	8.61	ng/uL	0.01
21) Nitrobenzene-d5	8.777	82	438012	4.25	ng/uL	-0.01
23) Decafluorobiphenyl	8.998	334	277303	3.84	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.927	172	844433	4.52	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.337	330	105976	4.78	ng/uL	-0.02
78) o-Terphenyl	18.639	230	565444	4.51	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.216	74	177	0.00	ng/uL#	1
3) Pyridine	3.251	79	182	0.00	ng/uL	91
5) Aniline	0.000		0	N.D.		
7) Phenol	6.958	94	1595	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.570	93	352	0.00	ng/uL#	1
9) 2-Chlorophenol	7.209	128	137	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.506	146	1876	0.02	ng/uL#	35
11) 1,4-Dichlorobenzene	7.658	146	713	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.967	146	1604	0.01	ng/uL#	6
13) Bis(2-chloroisipropyl)...	8.252	45	274	0.00	ng/uL	94
14) Benzyl Alcohol	7.920	108	1487	0.02	ng/uL	81
15) 2-Methylphenol	7.920	108	1487	0.02	ng/uL#	66
16) Acetophenone	8.480	105	1374	0.01	ng/uL#	83
17) Hexachloroethane	8.654	119	166	0.00	ng/uL#	3
18) 4-Methylphenol	8.771	108	52	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.777	70	56703	0.77	ng/uL#	13
22) Nitrobenzene	8.829	77	79	0.00	ng/uL#	1
24) Isophorone	9.354	82	530	0.00	ng/uL#	58
25) 2-Chloroaniline	8.998	127	3742	0.03	ng/uL#	60
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.517	107	122	0.00	ng/uL#	73
28) Bis(2-chlorethoxy)methane	9.826	93	280	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.744	105	4409	2.50	ng/uL	96
31) 1,2,4-Trichlorobenzene	10.234	180	1049	0.01	ng/uL	100
32) Naphthalene	10.403	128	1467	0.00	ng/uL#	74
33) 4-Chloroaniline	10.555	127	119	0.00	ng/uL	95
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.324	55	10930	0.24	ng/uL#	29
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	11.726	107	150	0.00	ng/uL#	27
39) 2-Methylnaphthalene	12.012	142	551	0.00	ng/uL#	84
40) 1-Methylnaphthalene	12.233	142	273	0.00	ng/uL#	40
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-04 2x.D
Acq On : 21 Oct 2014 19:16
Operator : JLB
Sample : 1410085-04 2x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 22 08:16:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.154	162	151	0.00 ng/uL	95
49) 1,1'-Biphenyl	13.142	154	601	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.098	152	62	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.052	165	73	0.00 ng/uL#	31
53) Dimethyl Phthalate	13.941	163	753	0.00 ng/uL#	28
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.530	153	862	0.00 ng/uL#	85
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.955	168	537	0.00 ng/uL#	77
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.771	166	867	0.00 ng/uL#	40
63) Diethyl Phthalate	15.655	149	20060	0.11 ng/uL	96
64) 4-Chlorophenyl Phenyl ...	16.022	204	809	0.01 ng/uL#	5
65) 4-Nitroaniline	16.016	138	203	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.342	198	201	~~0.99~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.127	169	225	0.00 ng/uL#	45
69) 1,2-Diphenylhydrazine	16.232	182	798	0.01 ng/uL	81
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.537	266	647	0.02 ng/uL#	68
75) Phenanthrene	17.928	178	9824	0.03 ng/uL	99
76) Anthracene	18.021	178	3564	0.01 ng/uL#	92
77) Carbazole	18.342	167	1957	0.01 ng/uL#	91
79) Di-n-butyl Phthalate	19.012	149	7957	0.03 ng/uL	98
80) Fluoroanthene	19.793	202	8696	0.03 ng/uL#	83
82) Pyrene	20.084	202	8774	0.03 ng/uL#	55
83) Butyl Benzyl Phthalate	20.906	149	5173m	0.05 ng/uL	
84) Bis(2-ethylhexyl) adipate	21.011	129	1327	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.489	228	6916	0.03 ng/uL#	14
86) Chrysene	21.530	228	4610	0.02 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.536	149	76847	0.57 ng/uL	90
88) Di-n-octyl Phthalate	22.212	149	5634m	0.36 ng/uL	
90) Benzo(b)fluoroanthene	22.684	252	5809	0.04 ng/uL#	92
91) Benzo(k)fluoranthene	22.719	252	5846	0.04 ng/uL#	82
92) Benzo(a)pyrene	23.098	252	5254	0.04 ng/uL#	83
93) Indeno(1,2,3-cd)pyrene	24.794	276	2697	0.02 ng/uL#	65
94) Dibdenz(a,h)anthracene	24.835	278	1775	0.02 ng/uL#	81
95) Benzo(g,h,i)Perylene	25.295	276	2187	0.02 ng/uL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-04 2x.D
Acq On : 21 Oct 2014 19:16
Operator : JLB
Sample : 1410085-04 2x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 22 07:55:26 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.629	152	405404	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.351	136	1613251	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.460	164	900504	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.881	188	1461541	5.00	ng/uL		0.00
19) Chrysene-d12	21.501	240	1132420	5.00	ng/uL	#	0.00
22) Perylene-d12	23.174	264	770724	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.216	74	177	0.00	ng/uL	#	1
3) Pyridine	3.251	79	182	0.00	ng/uL		91
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.789	105	879	0.01	ng/uL	#	1
6) Acetophenone	8.480	105	1374	0.01	ng/uL	#	83
7) N-Nitroso-di-n-propyla...	8.515	70	161	0.00	ng/uL	#	1
9) 4-Chloroaniline	10.555	127	119	0.01	ng/uL		95
10) Caprolactam	11.324	55	1581	0.13	ng/uL	#	38
12) 1,1'-Biphenyl	13.142	154	601	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	16.016	138	203	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.127	169	225	0.00	ng/uL	#	45
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.172	184	411	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

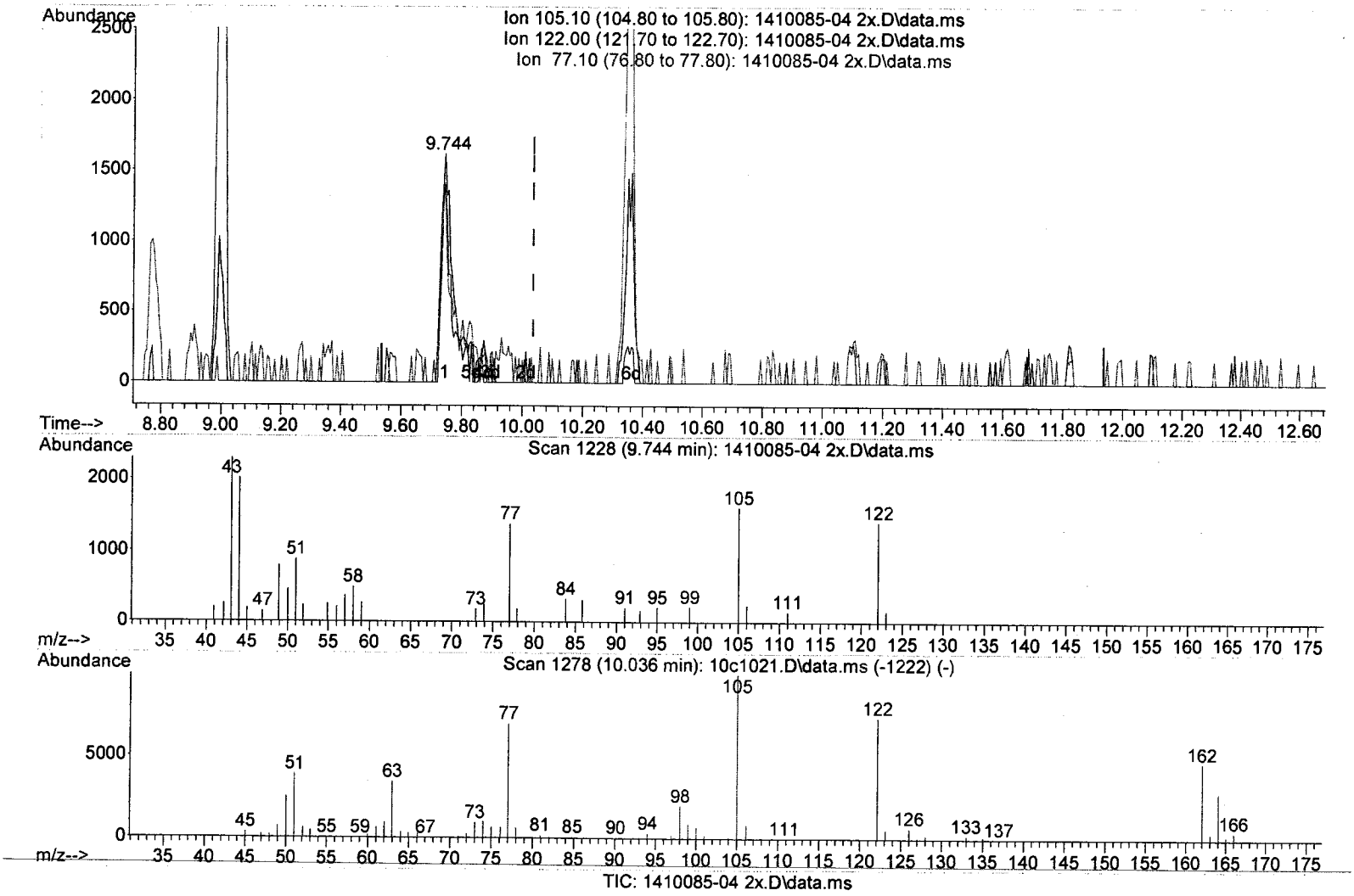
(#) = qualifier out of range (m) = manual integration (+) = signals summed

003955

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-04 2x.D
Acq On : 21 Oct 2014 19:16
Operator : JLB
Sample : 1410085-04 2x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 22 08:15:32 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.744min (-0.291) 2.50 ng/uL

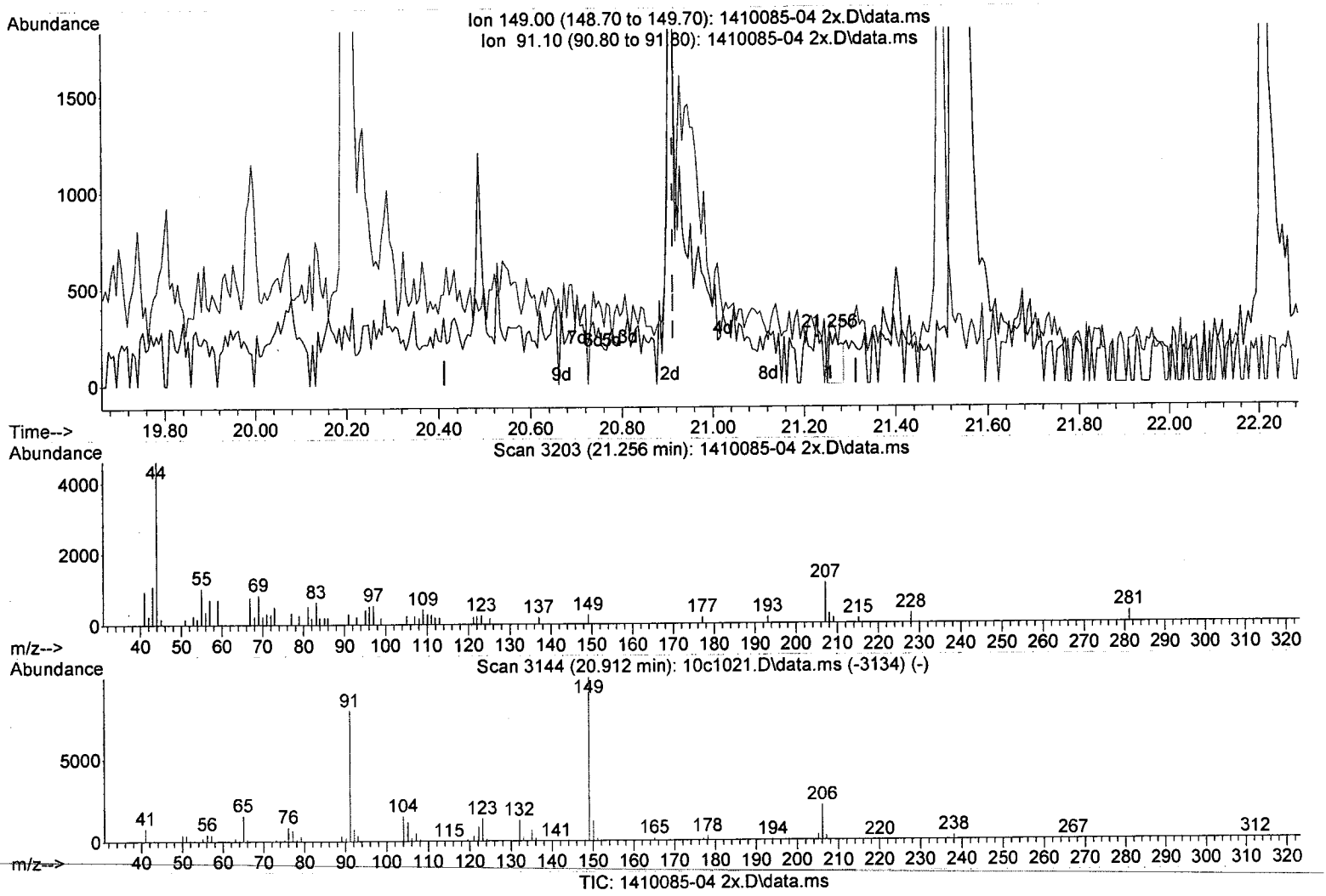
response 4409

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	78.20
77.10	74.70	79.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-04 2x.D
Acq On : 21 Oct 2014 19:16
Operator : JLB
Sample : 1410085-04 2x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 22 08:15:32 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(83) Butyl Benzyl Phthalate

21.256min (+ 0.344) 0.00 ng/uL

response 458

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	98.25
0.00	0.00	0.00
0.00	0.00	0.00

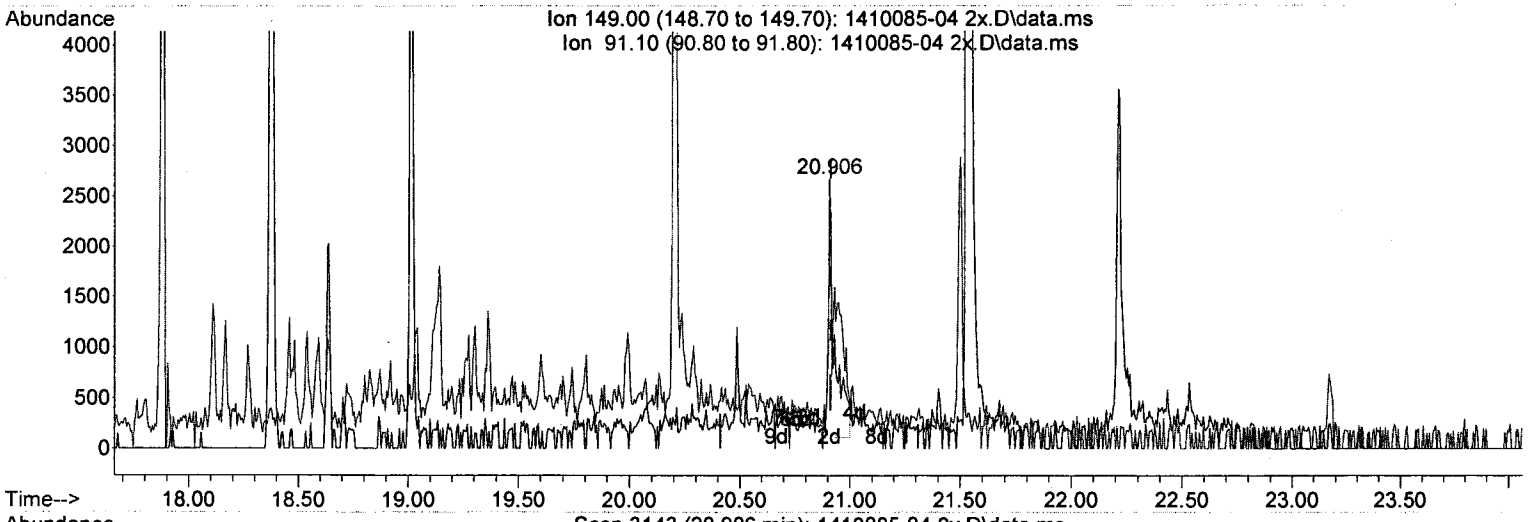
DWS 10-22-14

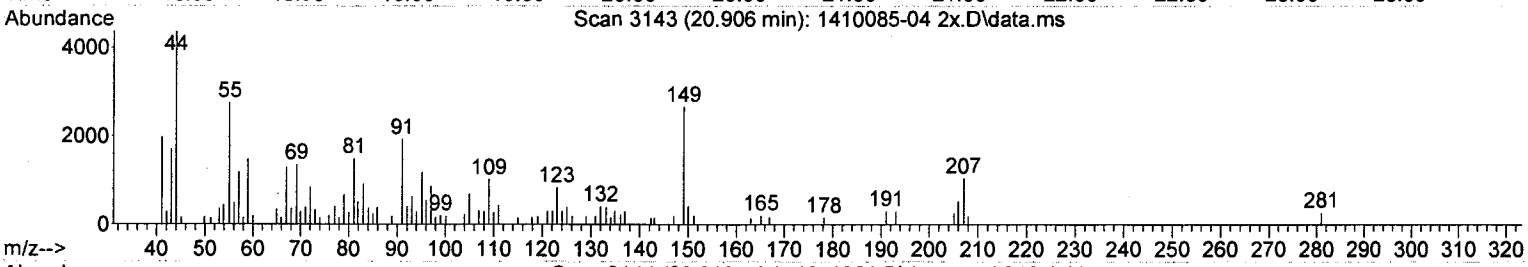
JLB 10/22/14

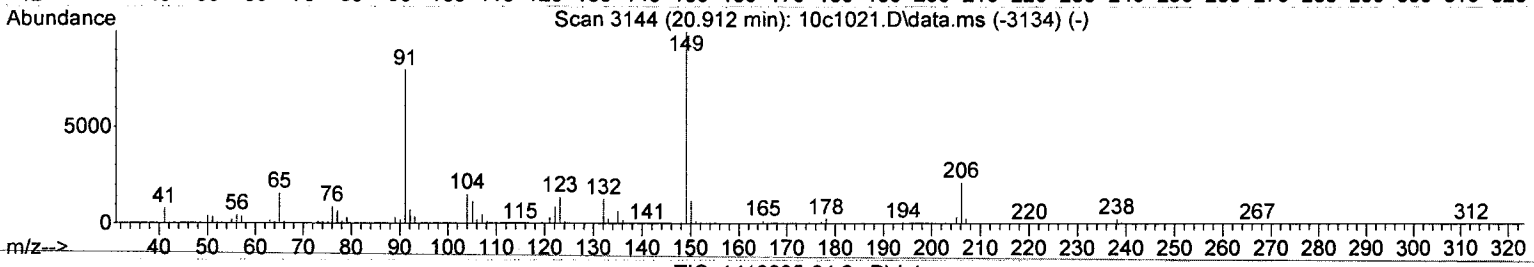
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-04 2x.D
Acq On : 21 Oct 2014 19:16
Operator : JLB
Sample : 1410085-04 2x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 22 08:15:32 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-04 2x.D\data.ms

(83) Butyl Benzyl Phthalate

20.906min (-0.006) 0.05 ng/uL m

response 5173

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	8.70#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

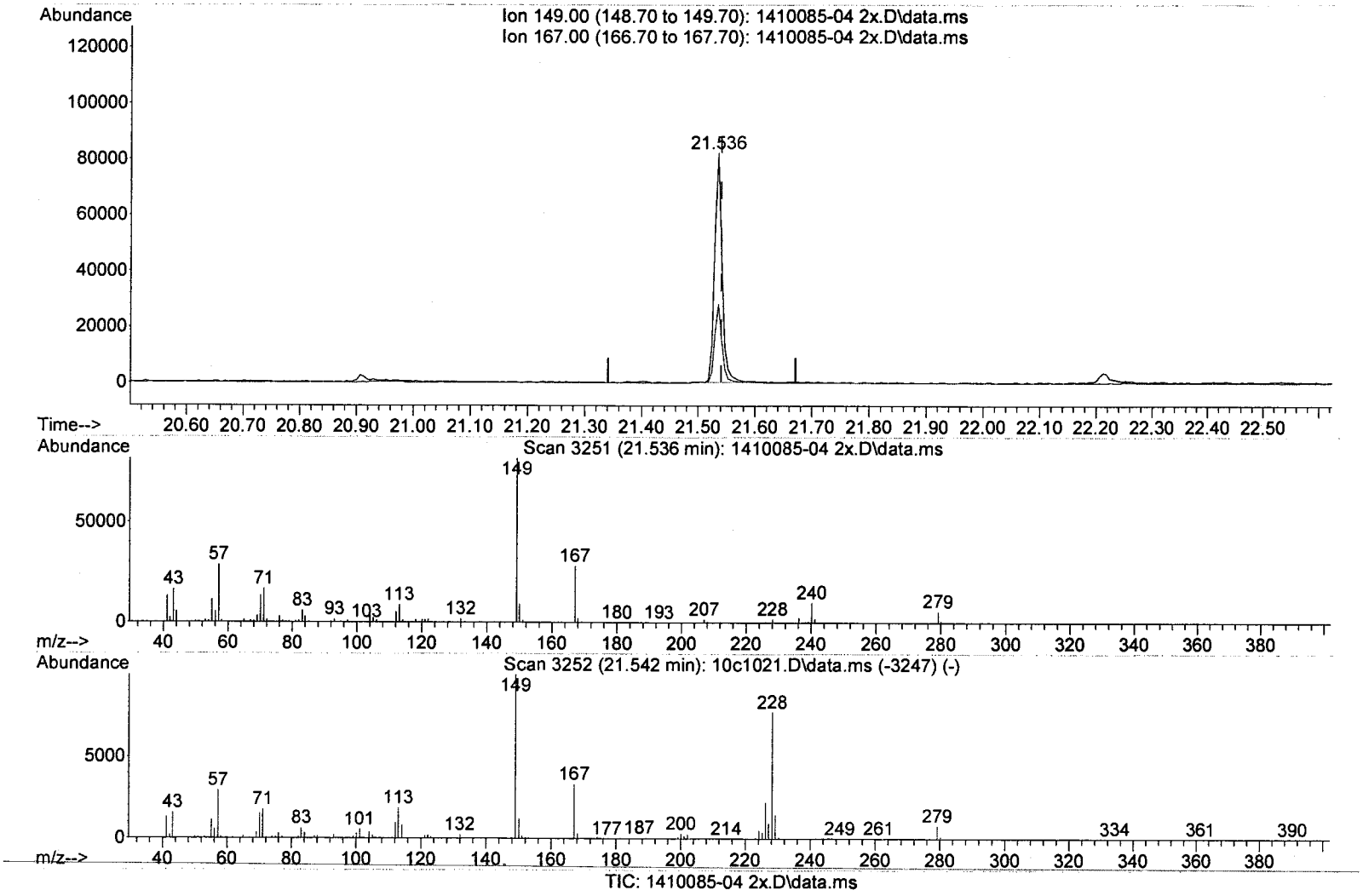
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/22/14
Reviewed By: DW Date: 10-22-14

CMDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-04 2x.D
Acq On : 21 Oct 2014 19:16
Operator : JLB
Sample : 1410085-04 2x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 22 08:15:32 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-04 2x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.536min (-0.006) 0.57 ng/uL

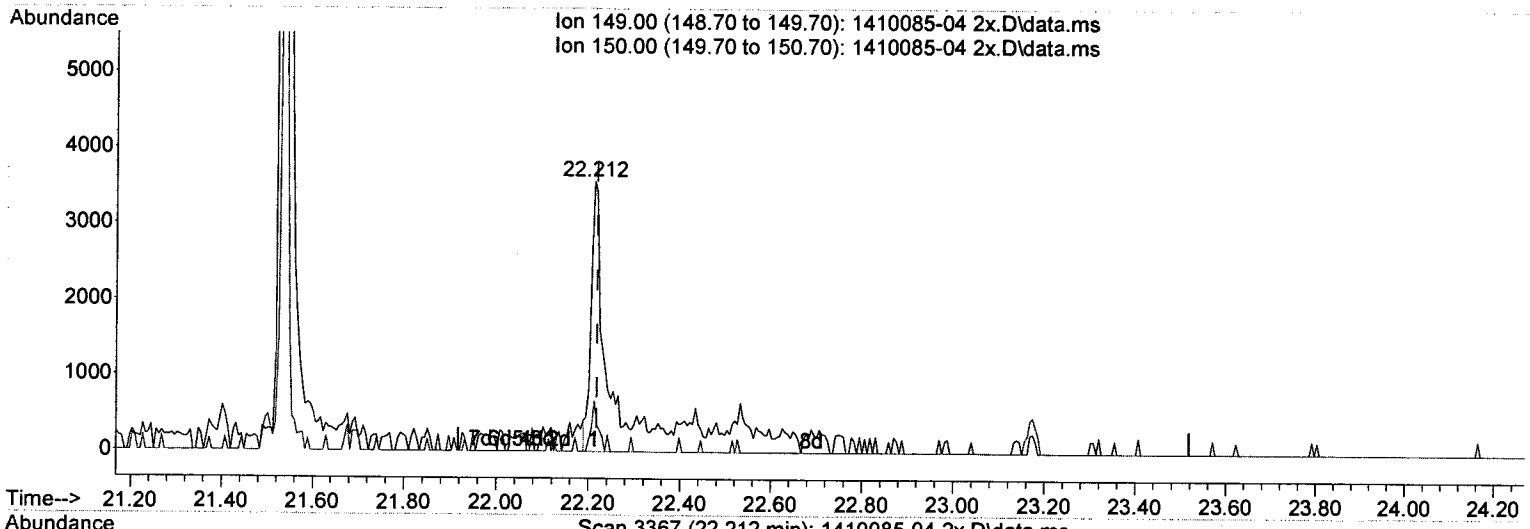
response 76847

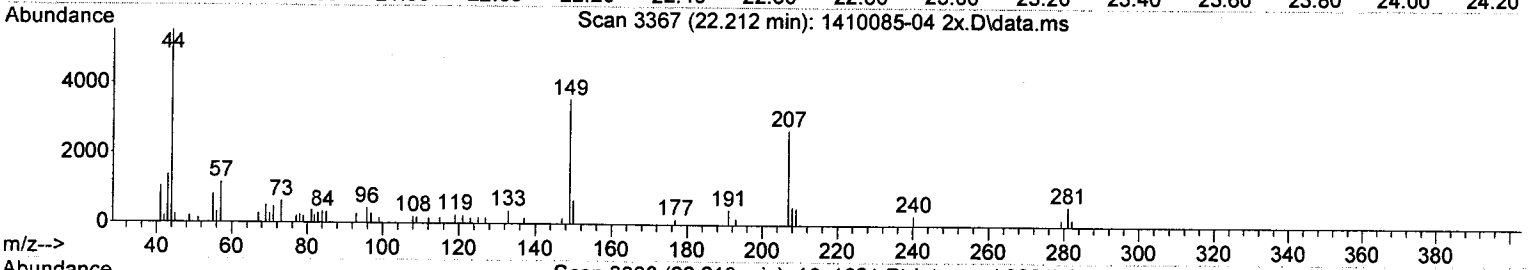
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.69
0.00	0.00	0.00
0.00	0.00	0.00

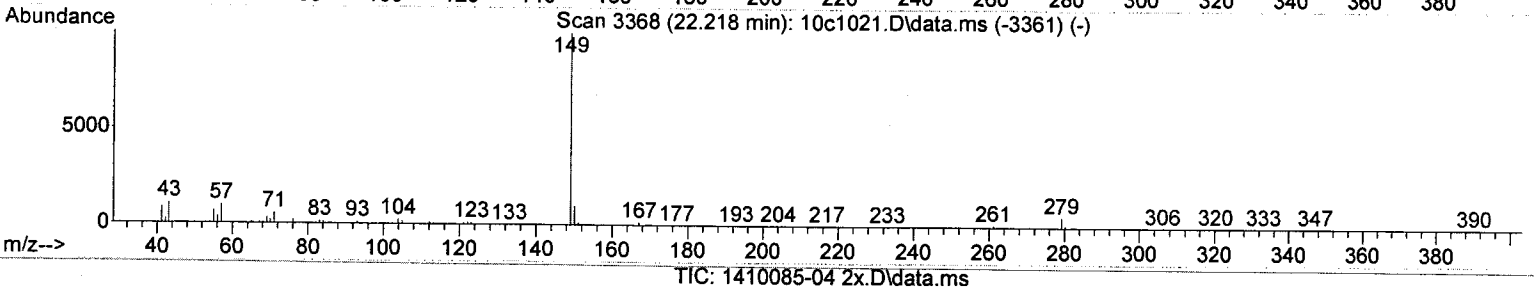
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-04 2x.D
Acq On : 21 Oct 2014 19:16
Operator : JLB
Sample : 1410085-04 2x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 22 08:15:32 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-04 2x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.40 ng/uL

response 13965

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	4.88#
0.00	0.00	0.00
0.00	0.00	0.00

DWS 10-22-14

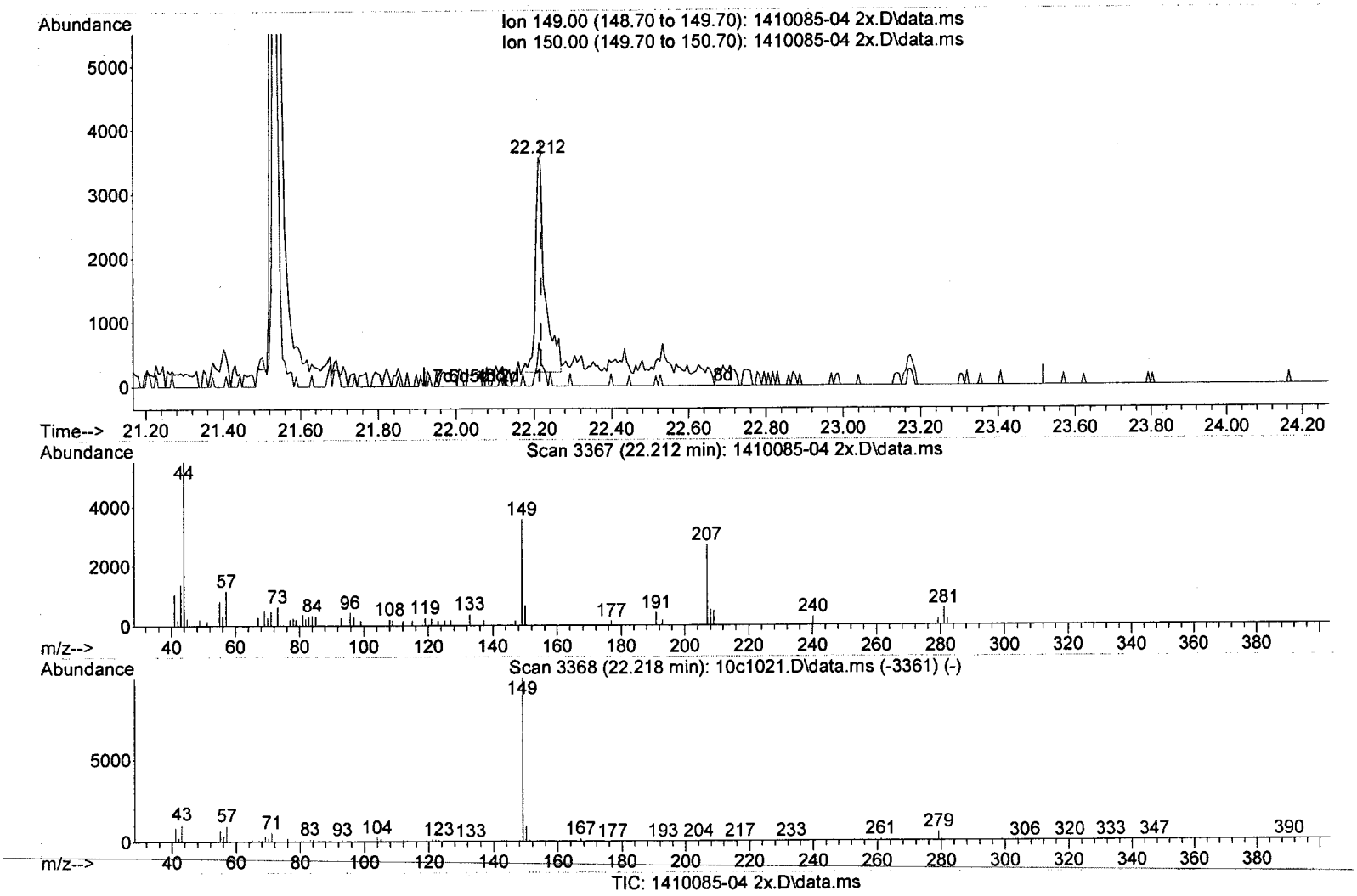
JWS 10/22/14

003960

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-04 2x.D
Acq On : 21 Oct 2014 19:16
Operator : JLB
Sample : 1410085-04 2x Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 22 08:15:32 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-04 2x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.36 ng/uL m

response 5634

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	12.09#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 3: Incorrect baseline drawn by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: Date: 10/22/14
Reviewed By: Date: 10-22-14

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB36-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-05 File ID: 1410085-05.D

Sampled: 10/01/14 11:10 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 00:37

Solids: 96.66 Preparation: 3550C Sonication Extract Initial/Final: 30.1 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.6	2.8	8.6	17	U
50-32-8	Benzo(a)pyrene	1	3.1	2.4	8.6	17	J
205-99-2	Benzo(b)fluoranthene	1	3.1	2.0	8.6	17	J
207-08-9	Benzo(k)fluoranthene	1	2.7	2.0	8.6	17	J
191-24-2	Benzo(g,h,i)perylene	1	8.6	2.0	8.6	34	U
65-85-0	Benzoic Acid	1	93	72	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.2	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.7	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.9	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	9.3	5.0	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	38	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB36-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-05 File ID: 1410085-05.D

Sampled: 10/01/14 11:10 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 00:37

Solids: 96.66 Preparation: 3550C Sonication Extract Initial/Final: 30.1 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	B
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	110	12	17	34	
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.6	2.8	8.6	34	U
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.5	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	687	512	74	33 - 113	
Phenol-d6	687	580	84	30 - 115	
Nitrobenzene-d5	344	299	87	33 - 131	
2-Fluorobiphenyl	344	307	89	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB36-20

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-05
File ID: 1410085-05.D
Sampled: 10/01/14 11:10
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 00:37
Solids: 96.66
Preparation: 3550C Sonication Extract
Initial/Final: 30.1 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	687	411	60	12 - 124	
o-Terphenyl	344	325	95	20 - 155	

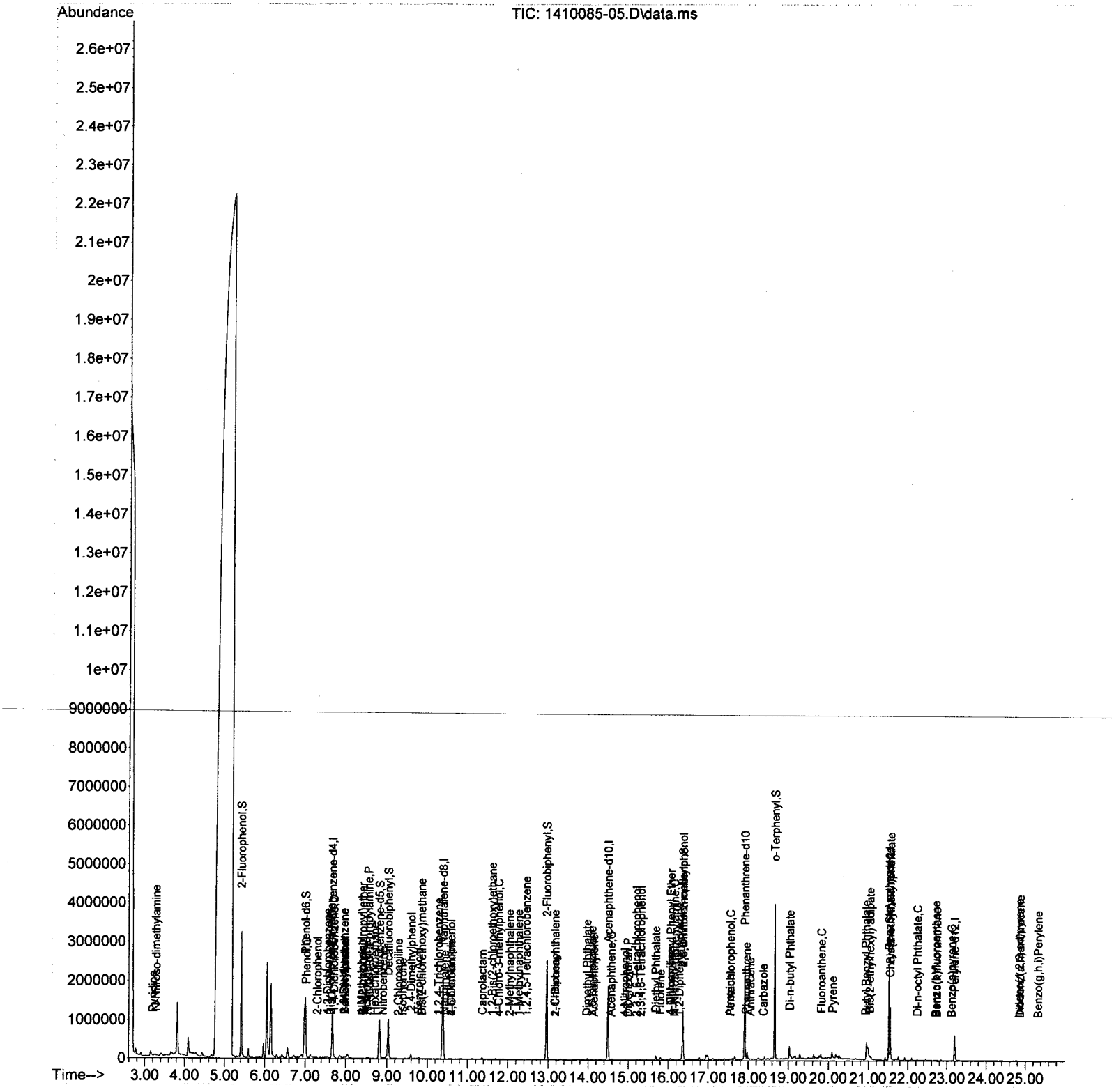
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	376977	7.669	403279	7.614	
Naphthalene-d8	1463492	10.391	1529030	10.359	
Acenaphthene-d10	785798	14.495	866604	14.474	
Phenanthrene-d10	1231154	17.91	1400442	17.901	
Chrysene-d12	914970	21.518	1153654	21.538	
Perylene-d12	368025	23.191	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-05.D
Acq On : 21 Oct 2014 00:37
Operator : JLB
Sample : 1410085-05 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 08:15:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



003965

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-05.D
Acq On : 21 Oct 2014 00:37
Operator : JLB
Sample : 1410085-05 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 08:15:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	376977	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.391	136	1463492	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.495	164	785798	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.910	188	1231154	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	914970	5.00	ng/uL	#-0.01
89) Perylene-d12	23.191	264	368025 (low)	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.414	112	1282634	14.89	ng/uL	0.20
6) Phenol-d6	6.999	99	1880651	16.87	ng/uL	0.06
21) Nitrobenzene-d5	8.818	82	814411	8.71	ng/uL	0.00
23) Decafluorobiphenyl	9.039	334	525467	8.01	ng/uL	0.00
47) 2-Fluorobiphenyl	12.962	172	1450406	8.93	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.372	330	223385	11.96	ng/uL	-0.01
78) o-Terphenyl	18.662	230	998800	9.46	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.280	74	861	0.02	ng/uL	100
3) Pyridine	3.205	79	417	0.00	ng/uL#	75
5) Aniline	0.000		0	N.D.		
7) Phenol	7.017	94	4751	0.04	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.623	93	1105	0.01	ng/uL#	1
9) 2-Chlorophenol	7.291	128	247	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.547	146	4902	0.04	ng/uL#	12
11) 1,4-Dichlorobenzene	7.704	146	2966	0.03	ng/uL#	1
12) 1,2-Dichlorobenzene	7.955	146	516	0.01	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.410	45	3930	0.02	ng/uL	96
14) Benzyl Alcohol	7.973	108	4796	0.07	ng/uL	78
15) 2-Methylphenol	7.973	108	4796	0.05	ng/uL#	1
16) Acetophenone	8.503	105	4670	0.03	ng/uL	91
17) Hexachloroethane	8.695	119	362	0.01	ng/uL#	12
18) 4-Methylphenol	8.386	108	61	0.00	ng/uL#	7
19) N-Nitroso-di-n-propyla...	8.550	70	1519	0.02	ng/uL#	71
22) Nitrobenzene	8.899	77	237	0.00	ng/uL#	51
24) Isophorone	9.389	82	1247	0.01	ng/uL#	61
25) 2-Chloroaniline	9.278	127	87	0.00	ng/uL#	1
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.599	107	63	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.855	93	133	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.785	105	21338m	2.72	ng/uL	
31) 1,2,4-Trichlorobenzene	10.275	180	2520	0.03	ng/uL	87
32) Naphthalene	10.426	128	2684	0.01	ng/uL#	1
33) 4-Chloroaniline	10.590	127	957	0.01	ng/uL#	47
34) 2,6-Dichlorophenol	10.584	162	193	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.359	55	13411	0.32	ng/uL#	40
37) 1,2-Bis(2-chloroethoxy...	11.610	63	318	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.767	107	470	0.01	ng/uL#	1
39) 2-Methylnaphthalene	12.041	142	275	0.00	ng/uL#	30
40) 1-Methylnaphthalene	12.268	142	260	0.00	ng/uL	93
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

003966

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-05.D
Acq On : 21 Oct 2014 00:37
Operator : JLB
Sample : 1410085-05 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 08:15:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.449	216	129	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.172	162	721	0.00 ng/uL#	83
49) 1,1'-Biphenyl	13.172	154	734	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.139	152	460	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.093	165	368	0.01 ng/uL#	33
53) Dimethyl Phthalate	13.970	163	1244	0.01 ng/uL#	11
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.565	153	569	0.00 ng/uL	91
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.984	168	712	0.00 ng/uL#	65
58) 4-Nitrophenol	14.914	65	162	0.01 ng/uL#	1
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	15.200	232	148	0.00 ng/uL#	46
61) 2,3,4,6-Tetrachlorophenol	15.305	232	67	0.00 ng/uL#	18
62) Fluorene	15.800	166	1015	0.01 ng/uL#	36
63) Diethyl Phthalate	15.684	149	42739	0.27 ng/uL	98
64) 4-Chlorophenyl Phenyl ...	16.063	204	1482	0.02 ng/uL#	42
65) 4-Nitroaniline	16.057	138	336	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.372	198	576	1.01 ng/uL#	1
68) N-Nitroso-diphenylamine	16.162	169	433	0.00 ng/uL#	38
69) 1,2-Diphenylhydrazine	16.278	182	2286	0.05 ng/uL#	58
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.537	200	113	0.00 ng/uL#	25
74) Pentachlorophenol	17.549	266	1763	0.07 ng/uL#	65
75) Phenanthrene	17.951	178	6520	0.03 ng/uL#	87
76) Anthracene	18.044	178	2153	0.01 ng/uL#	84
77) Carbazole	18.371	167	1389	0.01 ng/uL#	39
79) Di-n-butyl Phthalate	19.035	149	13298	0.06 ng/uL#	84
80) Fluoroanthene	19.816	202	3854	0.02 ng/uL	93
82) Pyrene	20.102	202	5850	0.03 ng/uL#	7
83) Butyl Benzyl Phthalate	20.930	149	4807	0.06 ng/uL	99
84) Bis(2-ethylhexyl) adipate	21.029	129	4523	0.12 ng/uL#	100
85) Benzo(a)anthracene	21.512	228	6322	0.04 ng/uL#	25
86) Chrysene	21.547	228	3844	0.02 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.553	149	343682	3.13 ng/uL	93
88) Di-n-octyl Phthalate	22.235	149	29748	0.49 ng/uL#	88
90) Benzo(b)fluoroanthene	22.701	252	6272	0.09 ng/uL#	93
91) Benzo(k)fluoranthene	22.736	252	6152	0.08 ng/uL#	92
92) Benzo(a)pyrene	23.115	252	5393	0.09 ng/uL	94
93) Indeno(1,2,3-cd)pyrene	24.841	276	2437	0.04 ng/uL#	83
94) Dibdenz(a,h)anthracene	24.864	278	1771	0.04 ng/uL#	74
95) Benzo(g,h,i)Perylene	25.324	276	2321	0.05 ng/uL#	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-05.D
Acq On : 21 Oct 2014 00:37
Operator : JLB
Sample : 1410085-05 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 07:51:43 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.669	152	375280	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.391	136	1463492	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.495	164	783769	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1231154	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	914970	5.00	ng/uL	#	0.00
22) Perylene-d12	23.191	264	368025	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.030	74	17997	0.30	ng/uL	#	1
3) Pyridine	2.931	79	872	0.01	ng/uL		87
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.842	105	4026	0.05	ng/uL	#	1
6) Acetophenone	8.503	105	4670	0.03	ng/uL		93
7) N-Nitroso-di-n-propyla...	8.410	70	715	0.01	ng/uL		90
9) 4-Chloroaniline	10.590	127	957	0.02	ng/uL	#	47
10) Caprolactam	11.359	55	5353	0.21	ng/uL	#	57
12) 1,1'-Biphenyl	13.172	154	734	0.00	ng/uL	#	40
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	16.057	138	336	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.162	169	433	0.00	ng/uL	#	38
18) Atrazine	17.537	200	113	Below Cal		#	25
20) Benzidine	20.038	184	118	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

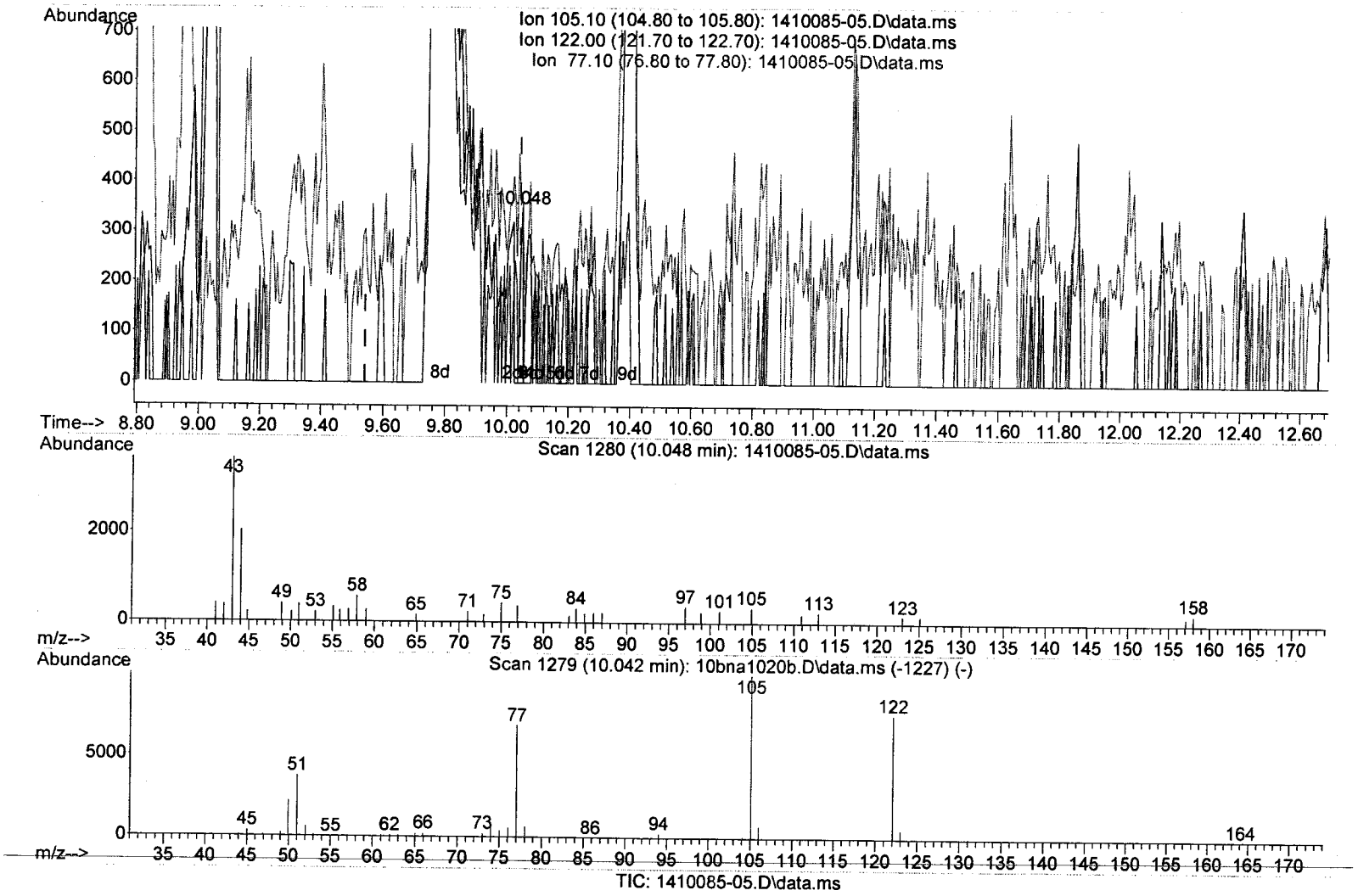
(#) = qualifier out of range (m) = manual integration (+) = signals summed

003368

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-05.D
Acq On : 21 Oct 2014 00:37
Operator : JLB
Sample : 1410085-05 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 08:15:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(30) Benzoic Acid

10.048min (+ 0.006) 2.46 ng/uL

response 212

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

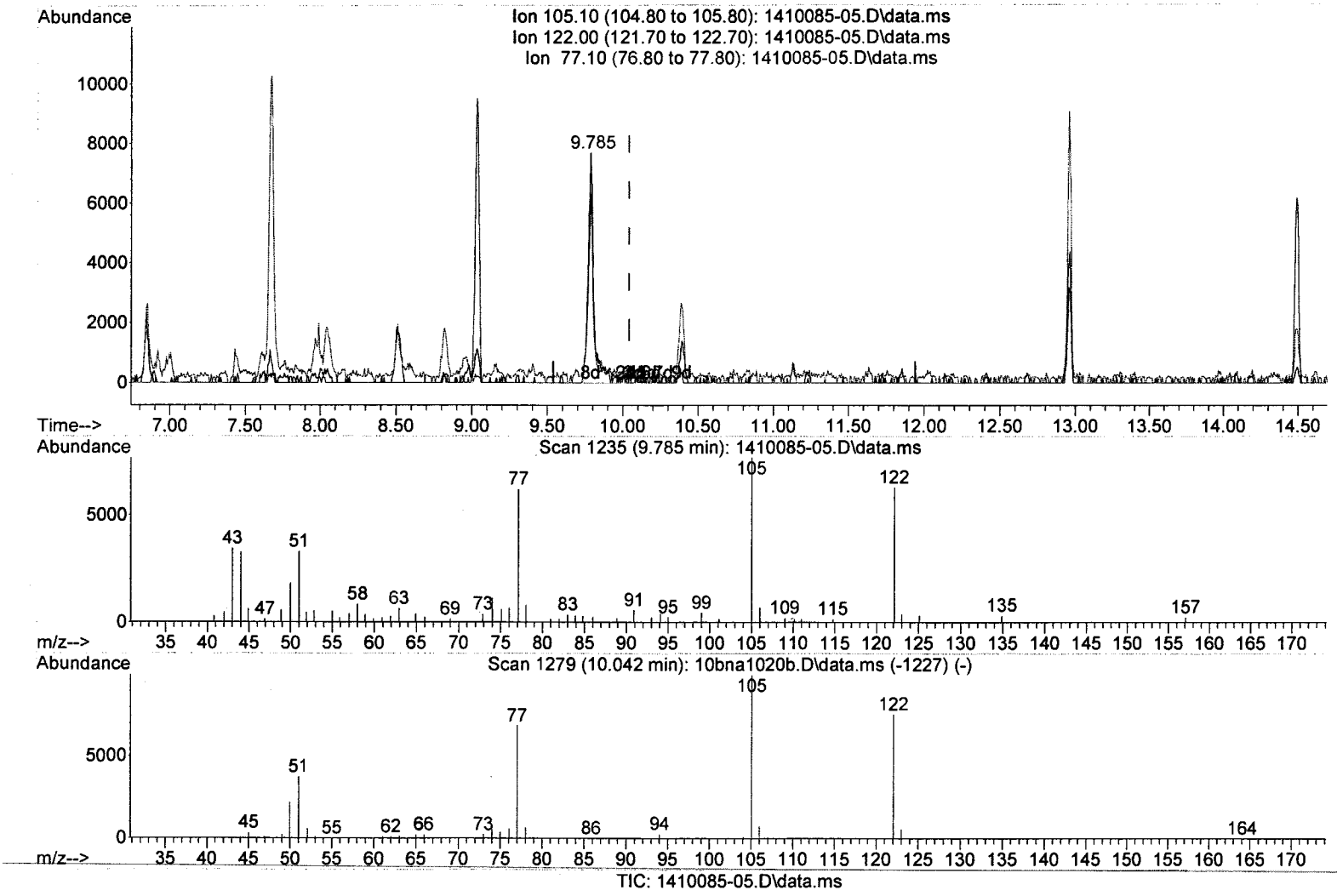
10/21/14

DWB 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-05.D
Acq On : 21 Oct 2014 00:37
Operator : JLB
Sample : 1410085-05 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 08:15:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410085-05.D\data.ms

(30) Benzoic Acid

9.785min (-0.256) 2.72 ng/uL m

response 21338

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

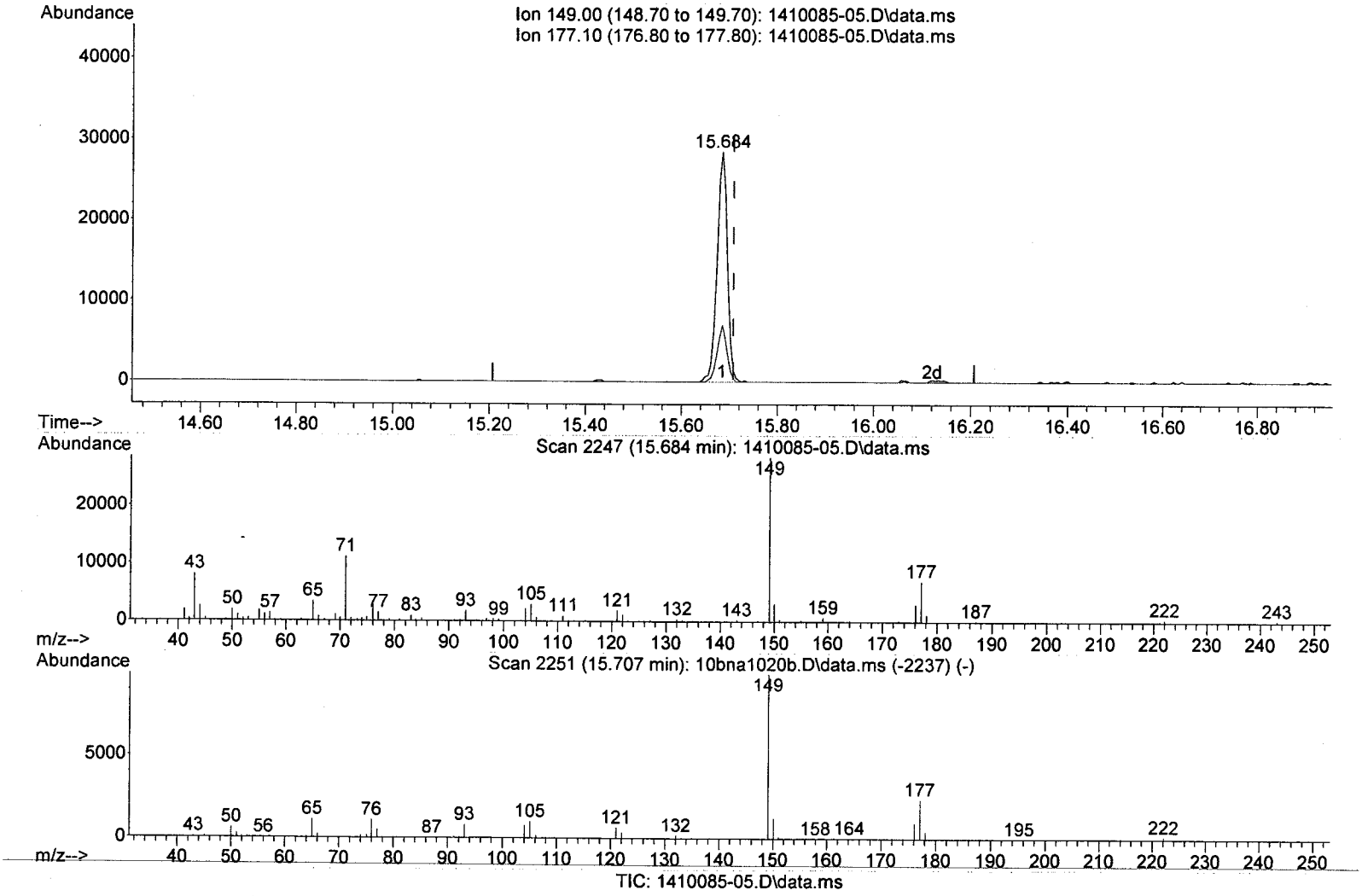
Analyst: JLB Date: 10/21/14

Reviewed By: DW Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-05.D
Acq On : 21 Oct 2014 00:37
Operator : JLB
Sample : 1410085-05 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 08:15:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410085-05.D\data.ms

(63) Diethyl Phthalate

15.684min (-0.023) 0.27 ng/uL

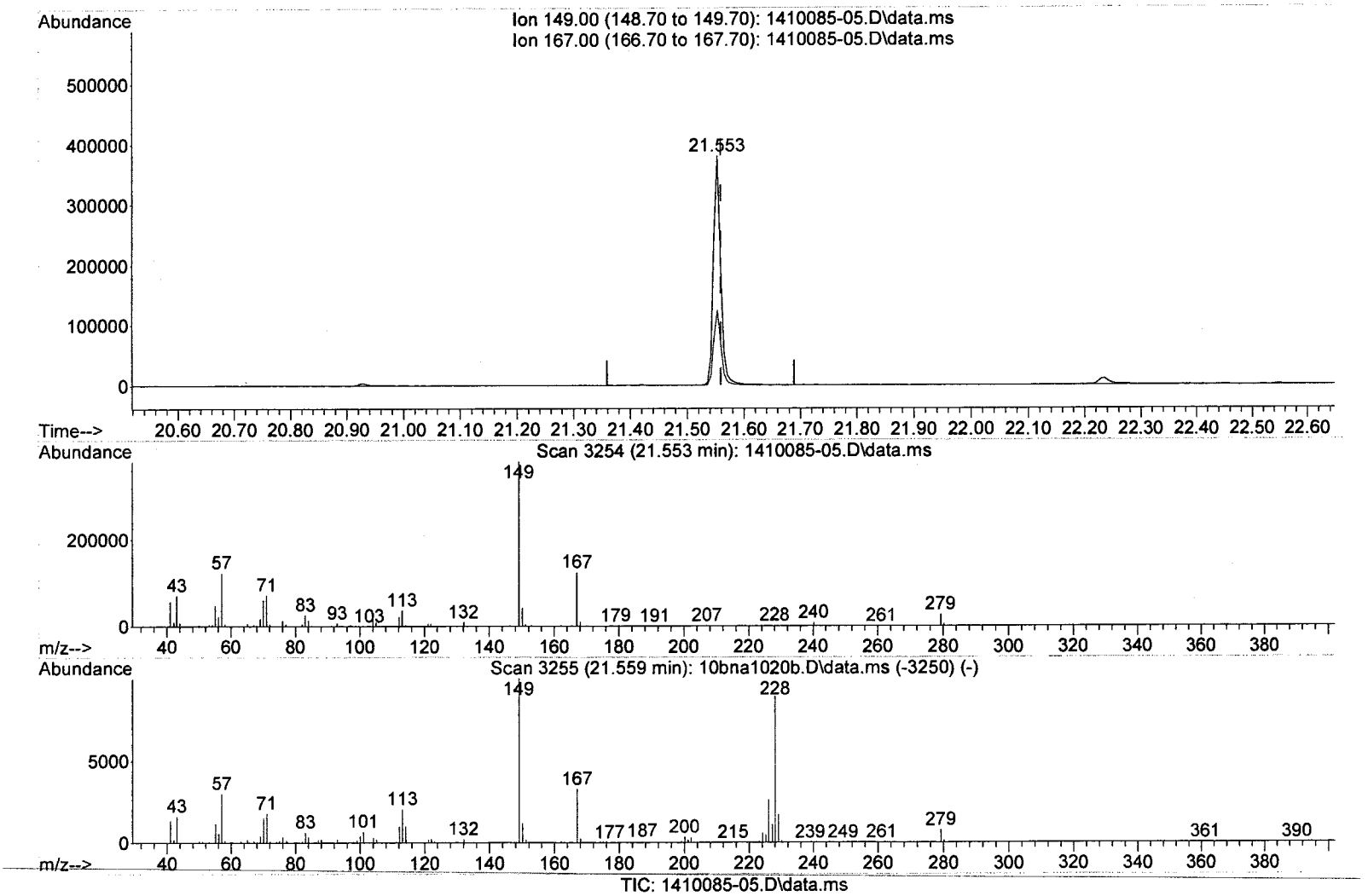
response 42739

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	23.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-05.D
Acq On : 21 Oct 2014 00:37
Operator : JLB
Sample : 1410085-05 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 08:15:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410085-05.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.553min (-0.006) 3.13 ng/uL

response 343682

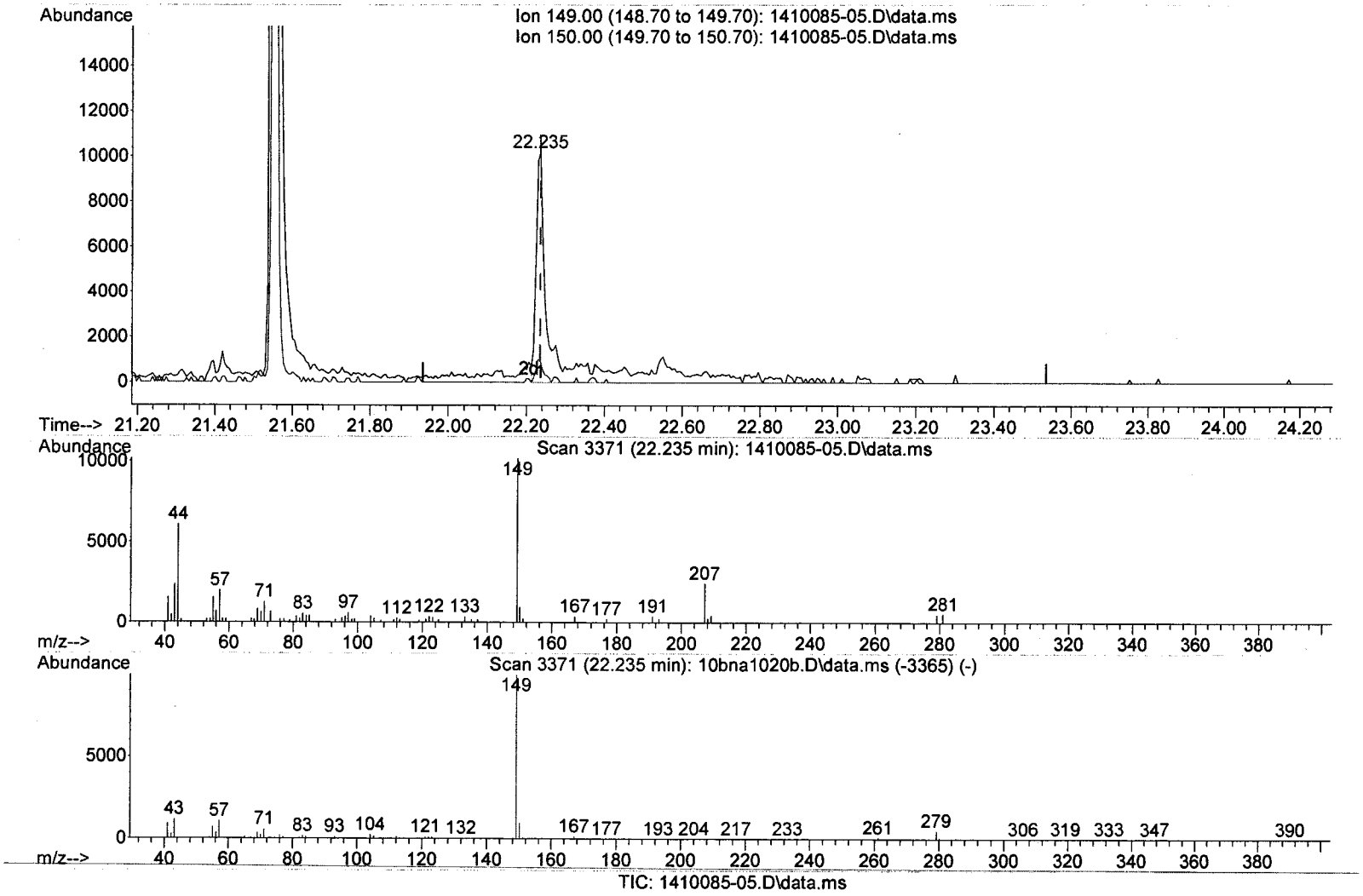
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.13
0.00	0.00	0.00
0.00	0.00	0.00

003072

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-05.D
Acq On : 21 Oct 2014 00:37
Operator : JLB
Sample : 1410085-05 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 08:15:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410085-05.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.235min (-0.000) 0.49 ng/uL

response 29748

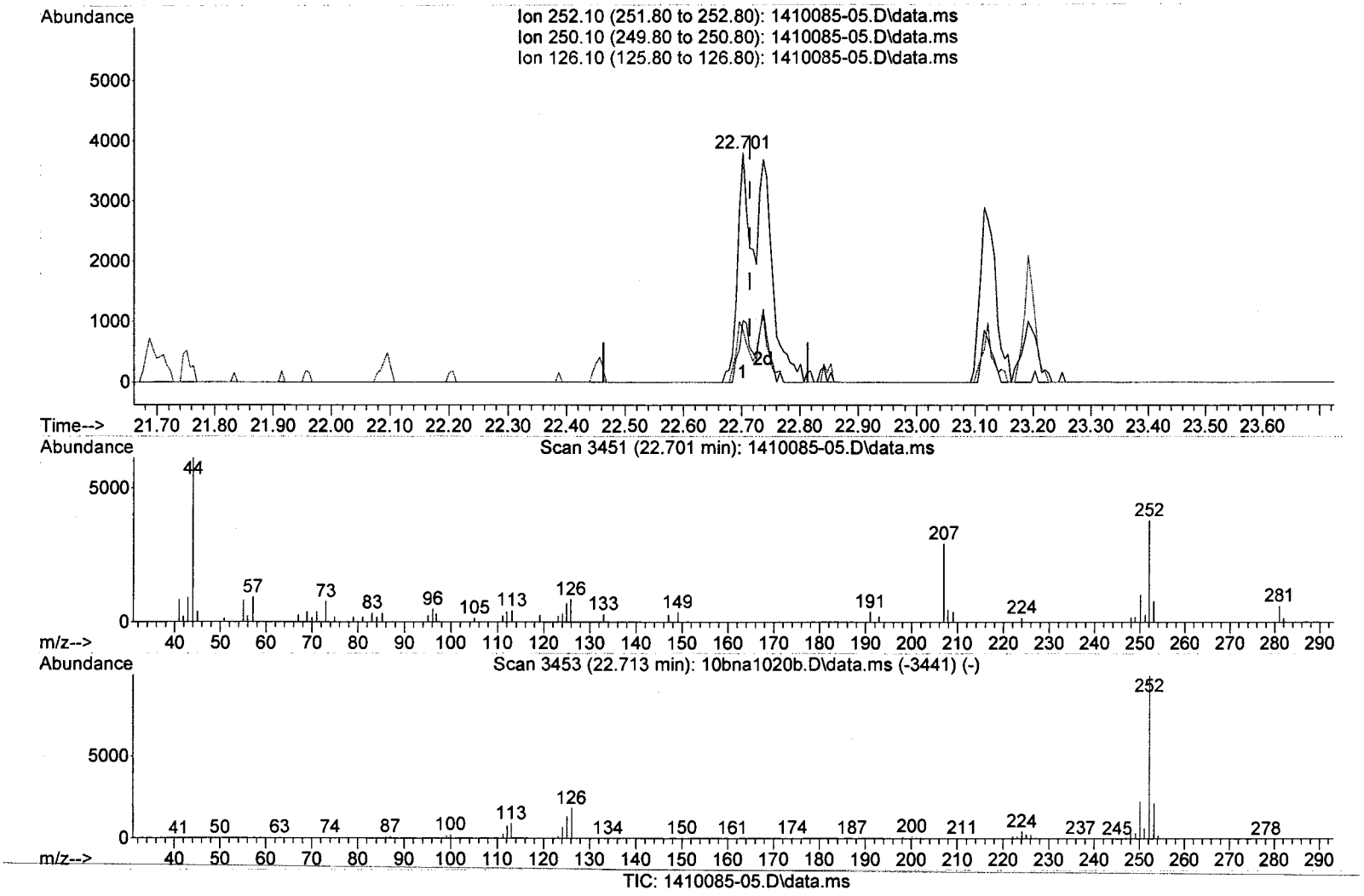
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	5.16#
0.00	0.00	0.00
0.00	0.00	0.00

003073

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-05.D
Acq On : 21 Oct 2014 00:37
Operator : JLB
Sample : 1410085-05 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 08:15:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410085-05.D\data.ms

(90) Benzo(b)fluoroanthene

22.701min (-0.012) 0.09 ng/uL

response 6272

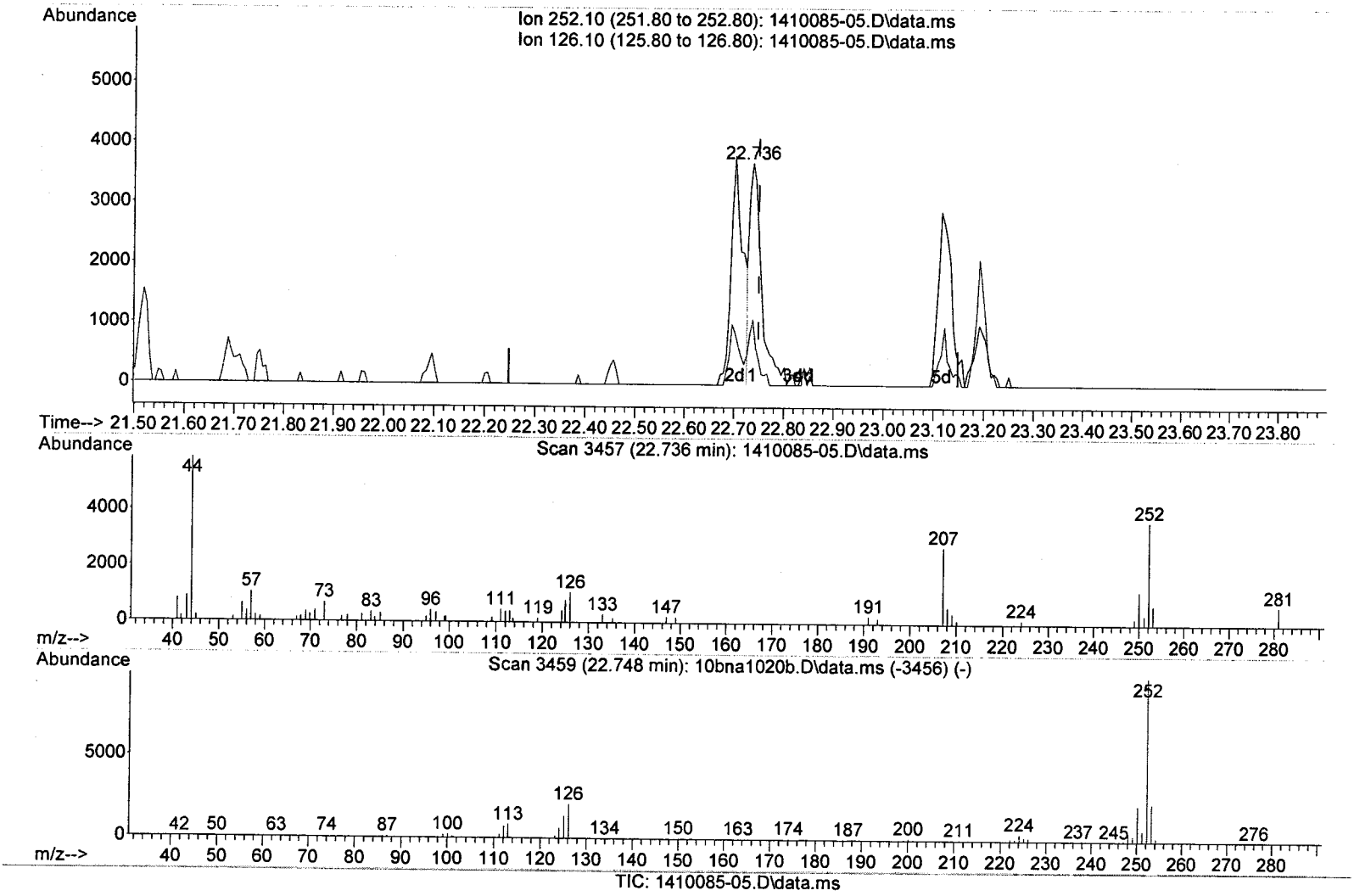
Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	24.22
126.10	17.20	22.46#
0.00	0.00	0.00

003074

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-05.D
Acq On : 21 Oct 2014 00:37
Operator : JLB
Sample : 1410085-05 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 08:15:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410085-05.D\data.ms

(91) Benzo(k)fluoranthene

22.736min (-0.012) 0.08 ng/uL

response 6152

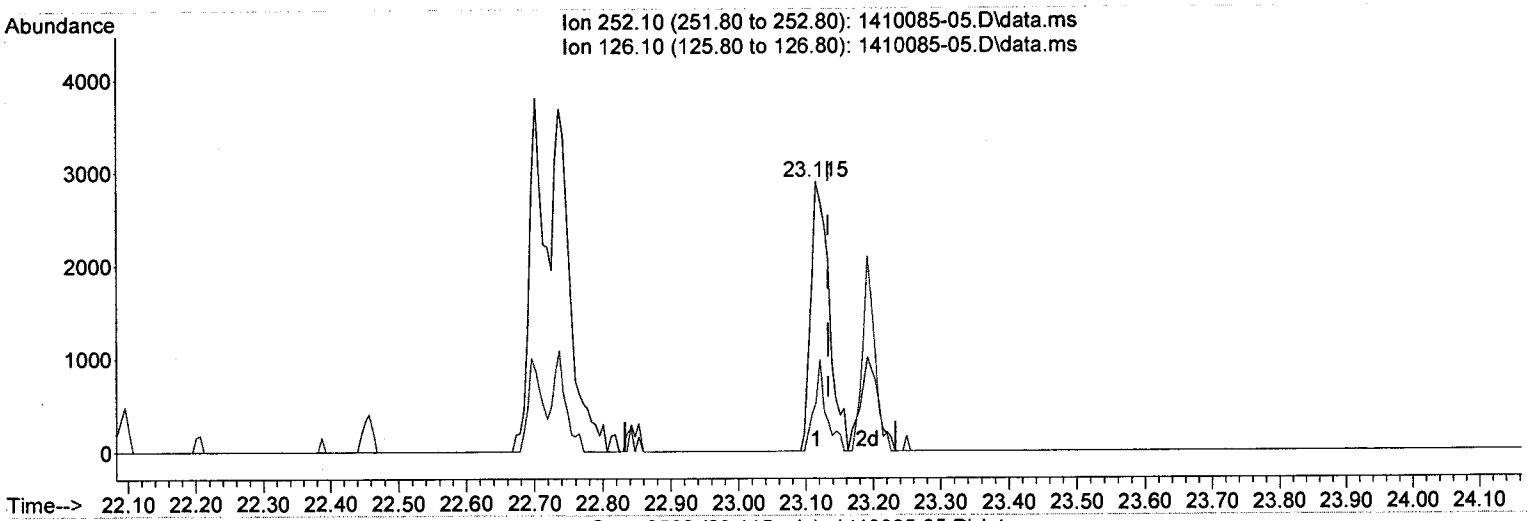
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	22.71#
0.00	0.00	0.00
0.00	0.00	0.00

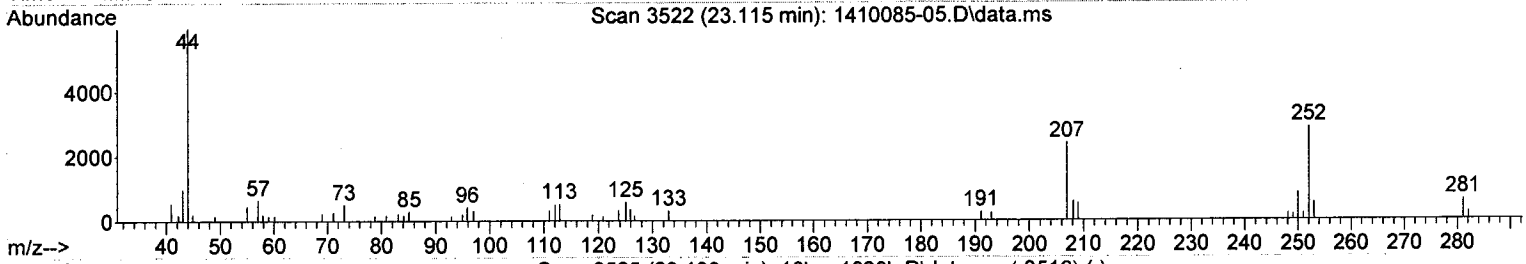
003975

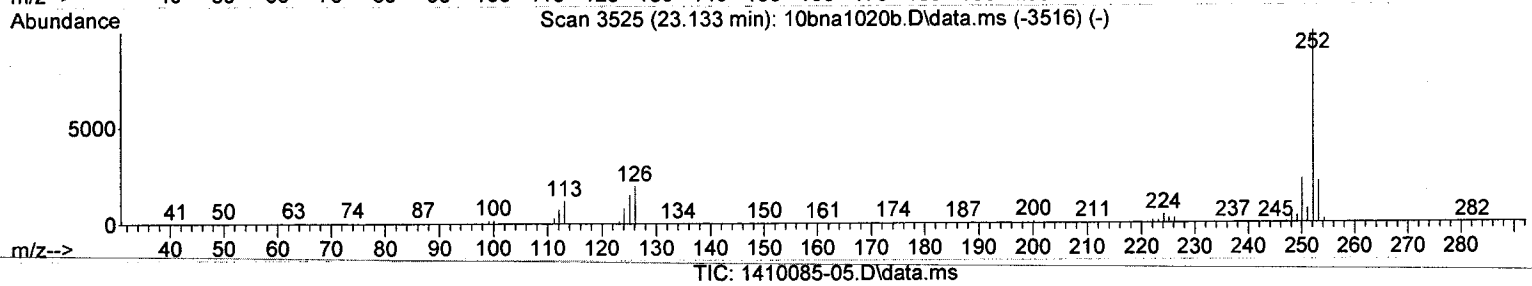
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-05.D
Acq On : 21 Oct 2014 00:37
Operator : JLB
Sample : 1410085-05 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 08:15:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410085-05.D\data.ms

(92) Benzo(a)pyrene (C)

23.115min (-0.018) 0.09 ng/uL

response 5393

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	22.10
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB36-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-05RE1 File ID: 1410085-05 2x.D

Sampled: 10/01/14 11:10 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 19:49

Solids: 96.66 Preparation: 3550C Sonication Extract Initial/Final: 30.1 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	2	35	9.6	35	35	U
208-96-8	Acenaphthylene	2	35	8.6	35	35	U
120-12-7	Anthracene	2	35	8.3	35	35	U
56-55-3	Benzo(a)anthracene	2	17	5.7	17	35	U
50-32-8	Benzo(a)pyrene	2	17	4.8	17	35	U
205-99-2	Benzo(b)fluoranthene	2	17	4.0	17	35	U
207-08-9	Benzo(k)fluoranthene	2	17	4.0	17	35	U
191-24-2	Benzo(g,h,i)perylene	2	17	3.9	17	69	U
65-85-0	Benzoic Acid	2	180	140	350	690	J
100-51-6	Benzyl Alcohol	2	35	9.5	35	35	U
101-55-3	4-Bromophenyl Phenyl Ether	2	35	8.4	35	35	U
85-68-7	Butyl Benzyl Phthalate	2	35	8.3	35	69	U
86-74-8	Carbazole	2	35	8.3	35	350	U
59-50-7	4-Chloro-3-methylphenol	2	35	10	35	35	U
106-47-8	4-Chloroaniline	2	35	18	35	140	U
111-91-1	Bis(2-chloroethoxy)methane	2	35	8.4	35	35	U
111-44-4	Bis(2-chloroethyl) Ether	2	35	8.2	35	35	U
108-60-1	Bis(2-chloroisopropyl) Ether	2	17	7.6	17	35	U
91-58-7	2-Chloronaphthalene	2	35	10	35	35	U
95-57-8	2-Chlorophenol	2	35	8.2	35	35	U
7005-72-3	4-Chlorophenyl Phenyl Ether	2	35	7.9	35	35	U
218-01-9	Chrysene	2	35	8.0	35	35	U
53-70-3	Dibenz(a,h)anthracene	2	17	4.0	17	69	U
132-64-9	Dibenzofuran	2	35	10	35	35	U
84-74-2	Di-n-butyl Phthalate	2	69	28	69	140	U
106-46-7	1,4-Dichlorobenzene	2	35	10	35	35	U
95-50-1	1,2-Dichlorobenzene	2	35	11	35	35	U
541-73-1	1,3-Dichlorobenzene	2	35	12	35	35	U
91-94-1	3,3´-Dichlorobenzidine	2	1400	580	1400	1700	U
120-83-2	2,4-Dichlorophenol	2	35	8.4	35	69	U
84-66-2	Diethyl Phthalate	2	35	10	35	35	U
105-67-9	2,4-Dimethylphenol	2	280	75	280	350	U
131-11-3	Dimethyl Phthalate	2	35	9.8	35	35	U
534-52-1	4,6-Dinitro-2-methylphenol	2	140	44	140	350	U
51-28-5	2,4-Dinitrophenol	2	350	120	350	350	U
606-20-2	2,6-Dinitrotoluene	2	17	8.3	17	35	U
121-14-2	2,4-Dinitrotoluene	2	17	6.8	17	69	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB36-20

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-05RE1 File ID: 1410085-05 2x.D

Sampled: 10/01/14 11:10 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 19:49

Solids: 96.66 Preparation: 3550C Sonication Extract Initial/Final: 30.1 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	2	25	8.0	35	35	JB
122-66-7	1,2-Diphenylhydrazine	2	17	7.0	17	35	U
117-81-7	Bis(2-ethylhexyl) Phthalate	2	94	24	35	69	
206-44-0	Fluoranthene	2	35	9.2	35	35	U
86-73-7	Fluorene	2	35	8.3	35	69	U
118-74-1	Hexachlorobenzene	2	35	9.8	35	35	U
87-68-3	Hexachlorobutadiene	2	35	9.5	35	35	U
67-72-1	Hexachloroethane	2	35	10	35	35	U
193-39-5	Indeno(1,2,3-cd)pyrene	2	17	5.5	17	69	U
78-59-1	Isophorone	2	35	8.0	35	35	U
91-57-6	2-Methylnaphthalene	2	35	9.4	35	35	U
108-39-4	3+4-Methylphenol	2	17	7.6	17	35	U
95-48-7	2-Methylphenol	2	17	7.3	17	35	U
91-20-3	Naphthalene	2	35	12	35	35	U
100-01-6	4-Nitroaniline	2	140	51	140	680	U
88-74-4	2-Nitroaniline	2	17	7.4	17	35	U
99-09-2	3-Nitroaniline	2	69	34	69	680	U
98-95-3	Nitrobenzene	2	35	9.5	35	35	U
88-75-5	2-Nitrophenol	2	35	9.2	35	35	U
100-02-7	4-Nitrophenol	2	690	210	690	1400	U
62-75-9	N-Nitroso-dimethylamine	2	14	6.8	14	69	U
86-30-6	N-Nitroso-diphenylamine	2	17	7.1	17	35	U
621-64-7	N-Nitroso-di-n-propylamine	2	35	8.4	35	35	U
87-86-5	Pentachlorophenol	2	35	27	35	350	U
85-01-8	Phenanthrene	2	35	8.4	35	35	U
108-95-2	Phenol	2	35	8.0	35	350	U
129-00-0	Pyrene	2	35	8.9	35	35	U
120-82-1	1,2,4-Trichlorobenzene	2	35	9.2	35	35	U
95-95-4	2,4,5-Trichlorophenol	2	35	9.3	35	35	U
88-06-2	2,4,6-Trichlorophenol	2	17	5.2	17	35	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	687	463	67	33 - 113	
Phenol-d6	687	542	79	30 - 115	
Nitrobenzene-d5	344	274	80	33 - 131	
2-Fluorobiphenyl	344	286	83	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB36-20

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-05RE1
File ID: 1410085-05 2x.D
Sampled: 10/01/14 11:10
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 19:49
Solids: 96.66
Preparation: 3550C Sonication Extract
Initial/Final: 30.1 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21047
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	687	320	46	12 - 124	
o-Terphenyl	344	302	88	20 - 155	

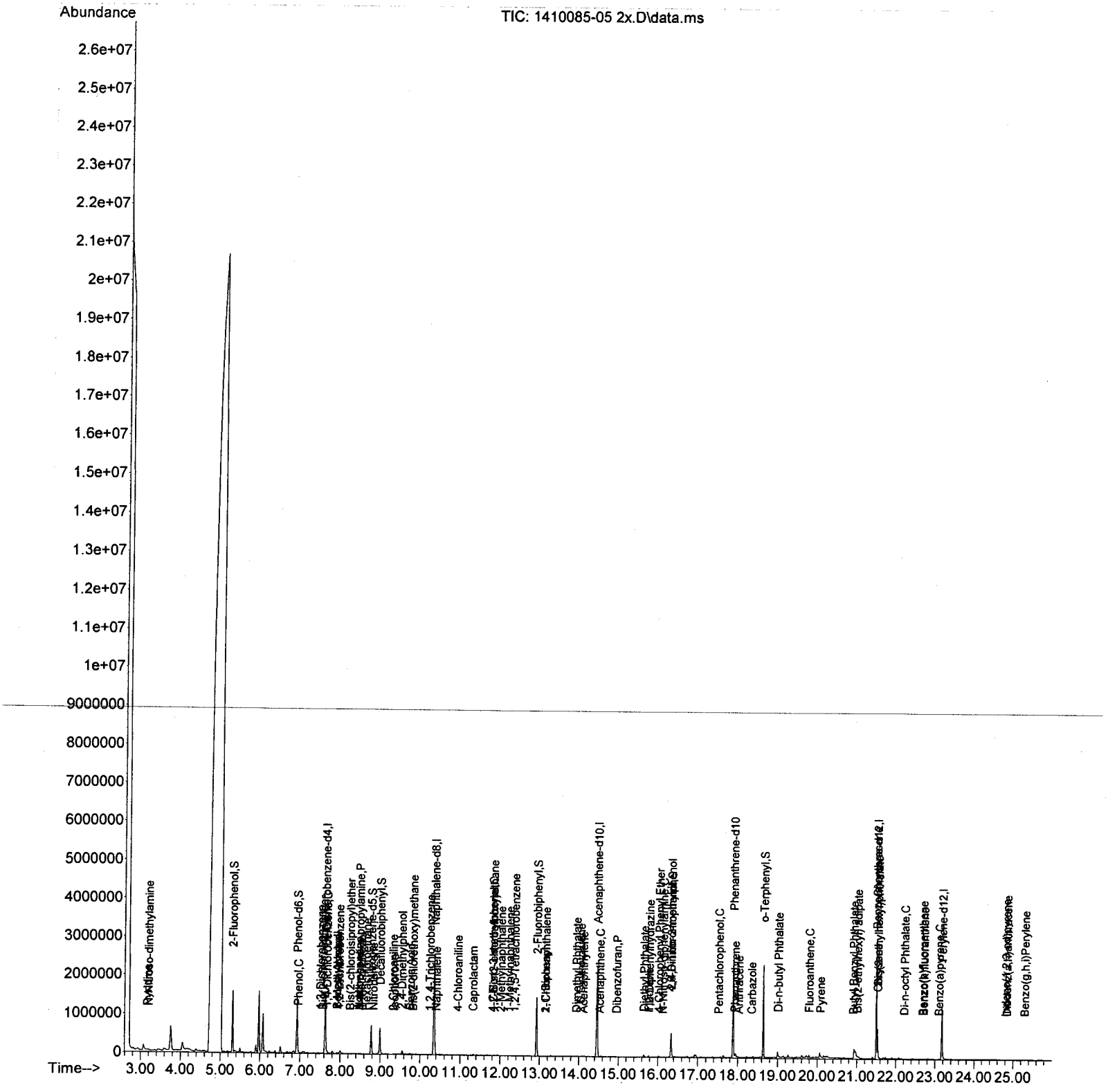
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	433558	7.629	403279	7.614	
Naphthalene-d8	1681749	10.356	1529030	10.359	
Acenaphthene-d10	954697	14.46	866604	14.474	
Phenanthrene-d10	1507135	17.881	1400442	17.901	
Chrysene-d12	1167894	21.501	1153654	21.538	
Perylene-d12	770684	23.174	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-05 2x.D
Acq On : 21 Oct 2014 19:49
Operator : JLB
Sample : 1410085-05 2x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 08:17:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-05 2x.D
Acq On : 21 Oct 2014 19:49
Operator : JLB
Sample : 1410085-05 2x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

rel

Quant Time: Oct 22 08:17:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.629	152	433558	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.356	136	1681749	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.460	164	954697	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.881	188	1507135	5.00	ng/uL	0.00
81) Chrysene-d12	21.501	240	1167894	5.00	ng/uL	# 0.00
89) Perylene-d12	23.174	264	770684	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.309	112	667840	6.74	ng/uL	0.12
6) Phenol-d6	6.929	99	1010201	7.88	ng/uL	0.01
21) Nitrobenzene-d5	8.777	82	429431	3.99	ng/uL	-0.01
23) Decafluorobiphenyl	8.998	334	263050	3.49	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.927	172	820106	4.16	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.337	330	106412	4.65	ng/uL	-0.02
78) o-Terphenyl	18.639	230	568550	4.40	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.193	74	224	0.00	ng/uL#	1
3) Pyridine	3.164	79	114	0.00	ng/uL#	56
5) Aniline	0.000		0	N.D.		
7) Phenol	6.952	94	2380	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.570	93	452	0.00	ng/uL#	1
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.506	146	2243	0.02	ng/uL#	10
11) 1,4-Dichlorobenzene	7.664	146	1353	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.967	146	1843	0.02	ng/uL#	10
13) Bis(2-chloroisipropyl)...	8.246	45	331	0.00	ng/uL#	51
14) Benzyl Alcohol	7.920	108	2679	0.04	ng/uL	99
15) 2-Methylphenol	7.920	108	2679	0.03	ng/uL#	18
16) Acetophenone	8.468	105	2305	0.01	ng/uL	93
17) Hexachloroethane	8.654	119	209	0.00	ng/uL#	3
18) 4-Methylphenol	8.520	108	113	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.485	70	749	0.01	ng/uL#	60
22) Nitrobenzene	8.823	77	63	0.00	ng/uL#	30
24) Isophorone	9.360	82	673	0.00	ng/uL#	58
25) 2-Chloroaniline	9.325	127	56	0.00	ng/uL#	1
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.546	107	58	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.820	93	166	0.00	ng/uL#	1
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.756	105	16475	2.63	ng/uL	95
31) 1,2,4-Trichlorobenzene	10.240	180	1322	0.01	ng/uL	80
32) Naphthalene	10.397	128	1050	0.00	ng/uL#	74
33) 4-Chloroaniline	10.933	127	290	0.00	ng/uL	97
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.318	55	9427	0.19	ng/uL#	39
37) 1,2-Bis(2-chloroethoxy...	11.819	63	128	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.808	107	342	0.00	ng/uL#	44
39) 2-Methylnaphthalene	12.012	142	631	0.00	ng/uL#	92
40) 1-Methylnaphthalene	12.227	142	310	0.00	ng/uL#	80
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-05 2x.D
Acq On : 21 Oct 2014 19:49
Operator : JLB
Sample : 1410085-05 2x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 08:17:52 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.361	216	115	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.148	162	293	0.00 ng/uL#	28
49) 1,1'-Biphenyl	13.142	154	574	0.00 ng/uL#	75
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.110	152	197	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.046	165	127	0.00 ng/uL#	2
53) Dimethyl Phthalate	13.935	163	720	0.00 ng/uL#	35
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.524	153	511	0.00 ng/uL#	77
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.955	168	236	0.00 ng/uL#	73
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.771	166	921	0.00 ng/uL#	23
63) Diethyl Phthalate	15.649	149	21079	0.11 ng/uL	95
64) 4-Chlorophenyl Phenyl ...	16.028	204	890	0.01 ng/uL#	46
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	16.331	198	211	0.99 ng/uL#	1
68) N-Nitroso-diphenylamine	16.127	169	148	0.00 ng/uL#	43
69) 1,2-Diphenylhydrazine	15.777	182	55	0.00 ng/uL	85
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.520	266	701	0.02 ng/uL#	89
75) Phenanthrene	17.922	178	8019	0.03 ng/uL	98
76) Anthracene	18.015	178	2896	0.01 ng/uL#	89
77) Carbazole	18.342	167	859	0.00 ng/uL#	61
79) Di-n-butyl Phthalate	19.012	149	8600	0.03 ng/uL#	87
80) Fluoroanthene	19.793	202	4347	0.02 ng/uL#	66
82) Pyrene	20.084	202	6263	0.02 ng/uL#	38
83) Butyl Benzyl Phthalate	20.906	149	3192m	0.03 ng/uL	
84) Bis(2-ethylhexyl) adipate	21.011	129	2223	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.495	228	5968	0.03 ng/uL#	1
86) Chrysene	21.530	228	3099	0.01 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.536	149	192256	1.37 ng/uL	92
88) Di-n-octyl Phthalate	22.212	149	6644m	0.37 ng/uL	
90) Benzo(b)fluoroanthene	22.684	252	4139	0.03 ng/uL#	82
91) Benzo(k)fluoranthene	22.713	252	5727	0.04 ng/uL#	91
92) Benzo(a)pyrene	23.098	252	4631	0.04 ng/uL	96
93) Indeno(1,2,3-cd)pyrene	24.806	276	2709	0.02 ng/uL#	67
94) Dibdenz(a,h)anthracene	24.841	278	1725	0.02 ng/uL#	71
95) Benzo(g,h,i)Perylene	25.295	276	2276	0.02 ng/uL#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

003982

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-05 2x.D
Acq On : 21 Oct 2014 19:49
Operator : JLB
Sample : 1410085-05 2x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 07:55:45 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

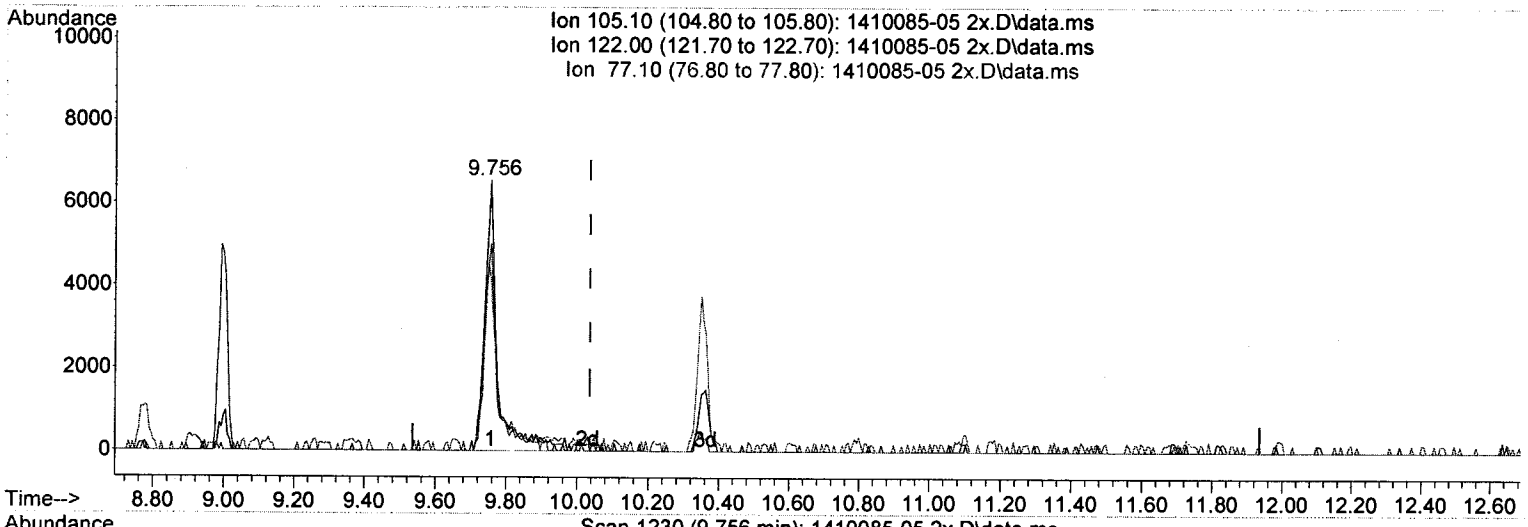
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.629	152	430364	5.00	ng/uL	# 0.02
8) Naphthalene-d8	10.356	136	1681749	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.460	164	950458	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.881	188	1507135	5.00	ng/uL	0.00
19) Chrysene-d12	21.501	240	1167894	5.00	ng/uL	# 0.00
22) Perylene-d12	23.174	264	770684	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.210	74	149	0.00	ng/uL#	1
3) Pyridine	3.164	79	114	0.00	ng/uL#	56
4) Aniline	0.000		0	N.D.		
5) Benzaldehyde	6.789	105	1948	0.02	ng/uL#	1
6) Acetophenone	8.468	105	2305	0.01	ng/uL	93
7) N-Nitroso-di-n-propyla...	8.579	70	258	0.00	ng/uL	88
9) 4-Chloroaniline	10.933	127	290	0.01	ng/uL	97
10) Caprolactam	11.318	55	3860	0.17	ng/uL#	64
12) 1,1'-Biphenyl	13.142	154	574	0.00	ng/uL#	75
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	16.127	169	148	0.00	ng/uL#	43
18) Atrazine	0.000		0	N.D.		
20) Benzidine	20.172	184	192	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.		

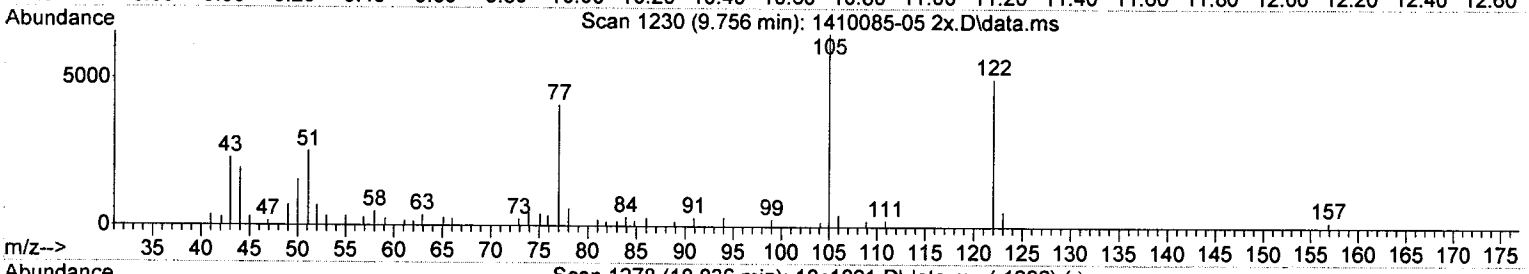
(#) = qualifier out of range (m) = manual integration (+) = signals summed

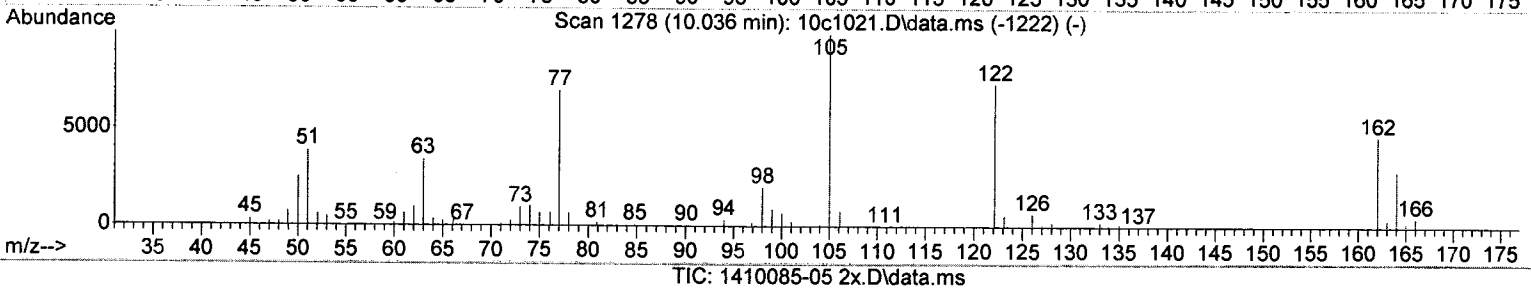
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-05 2x.D
Acq On : 21 Oct 2014 19:49
Operator : JLB
Sample : 1410085-05 2x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 08:17:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-05 2x.D\data.ms

(30) Benzoic Acid

9.756min (-0.280) 2.63 ng/uL

response 16475

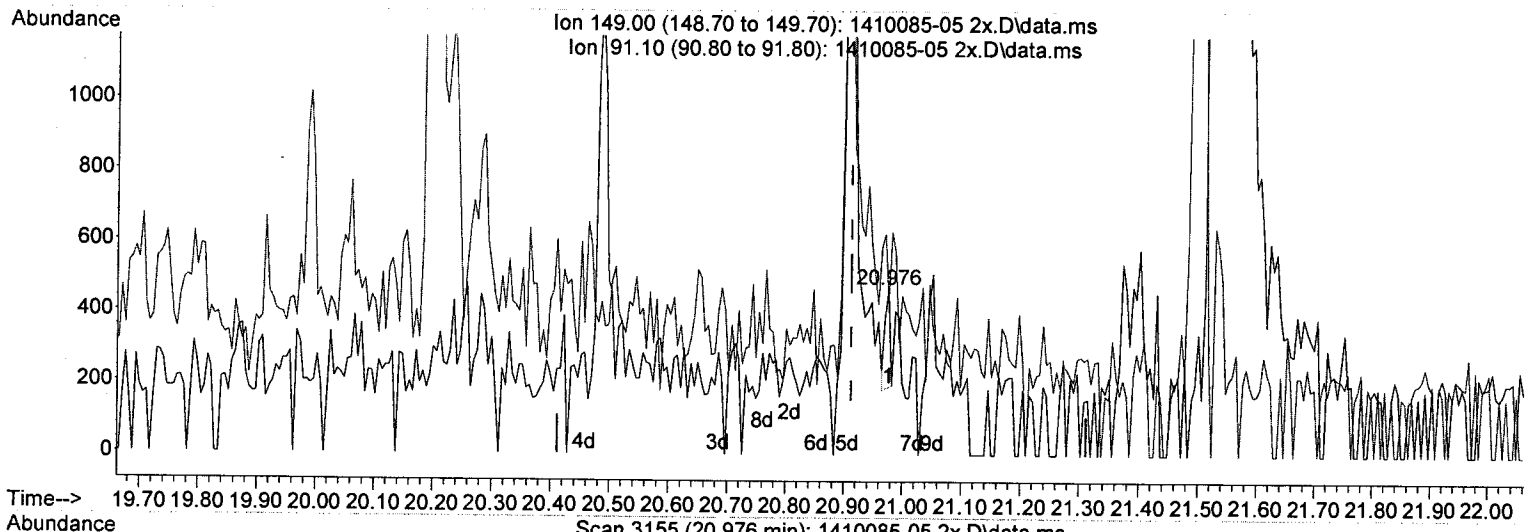
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	74.63
77.10	74.70	71.81
0.00	0.00	0.00

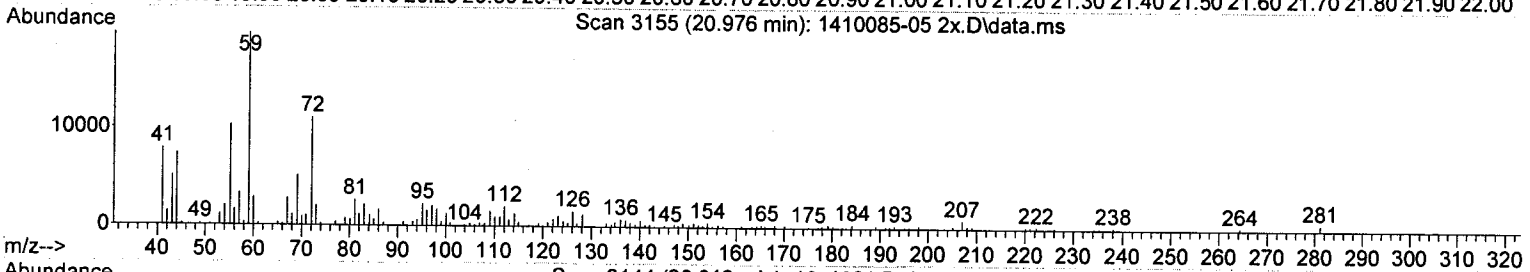
003984

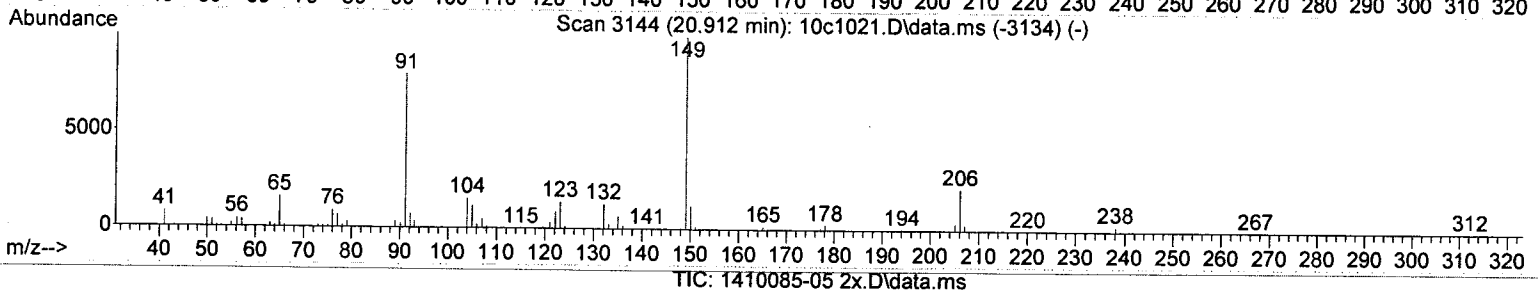
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-05 2x.D
Acq On : 21 Oct 2014 19:49
Operator : JLB
Sample : 1410085-05 2x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 08:17:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-05 2x.D\data.ms

(83) Butyl Benzyl Phthalate

20.976min (+ 0.064) 0.00 ng/uL

response 169

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	86.98
0.00	0.00	0.00
0.00	0.00	0.00

DWS 10-22-14

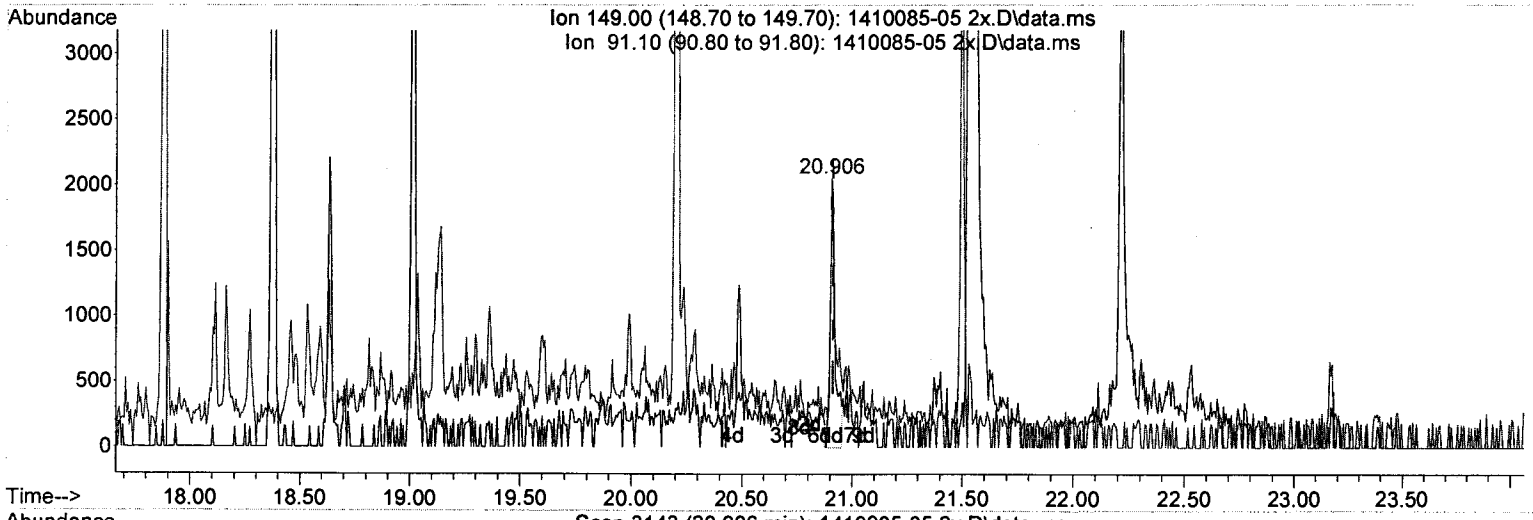
JLB 10/22/14

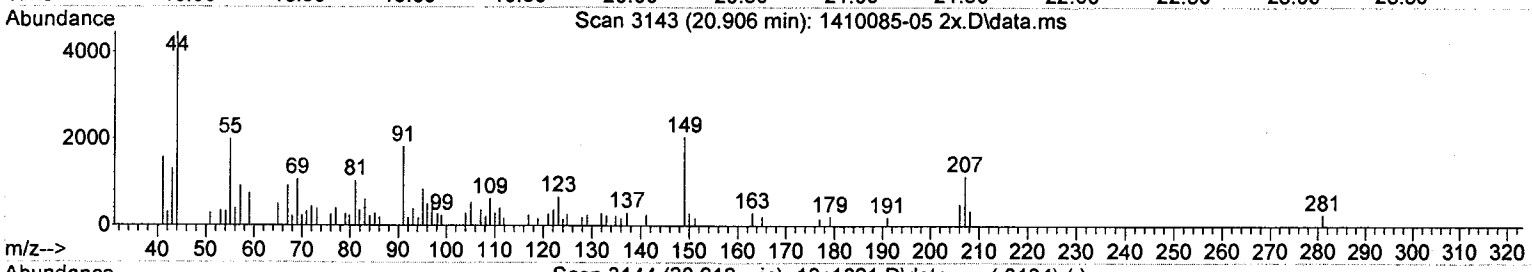
003985

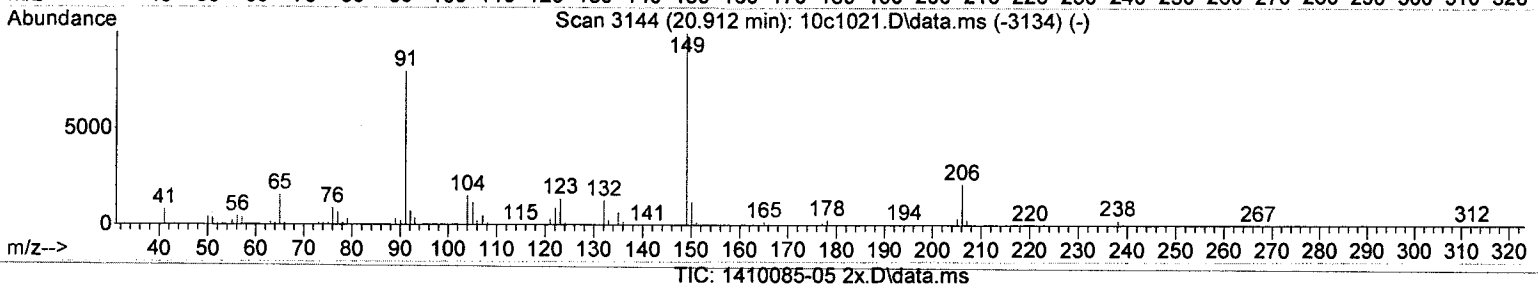
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-05 2x.D
Acq On : 21 Oct 2014 19:49
Operator : JLB
Sample : 1410085-05 2x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 08:17:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-05 2x.D\data.ms

(83) Butyl Benzyl Phthalate

20.906min (-0.006) 0.03 ng/uL m

response 3192

Ion	Exp%	Act%
149.00	100.00	100.00
91.10	84.40	4.61#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/22/14

Reviewed By: Dnr Date: 10-22-14

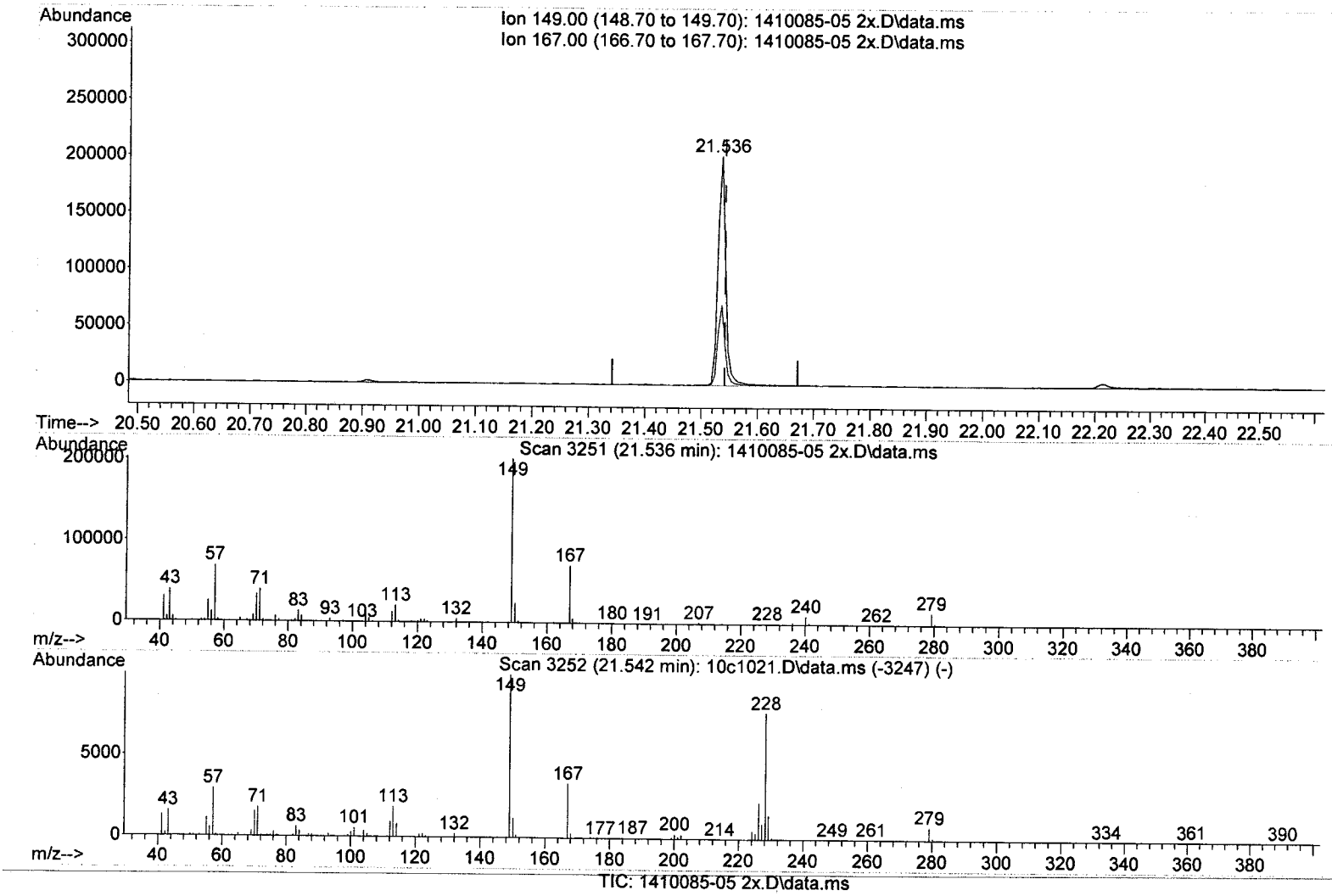
CMDL

083986

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-05 2x.D
Acq On : 21 Oct 2014 19:49
Operator : JLB
Sample : 1410085-05 2x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 08:17:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-05 2x.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.536min (-0.006) 1.37 ng/uL

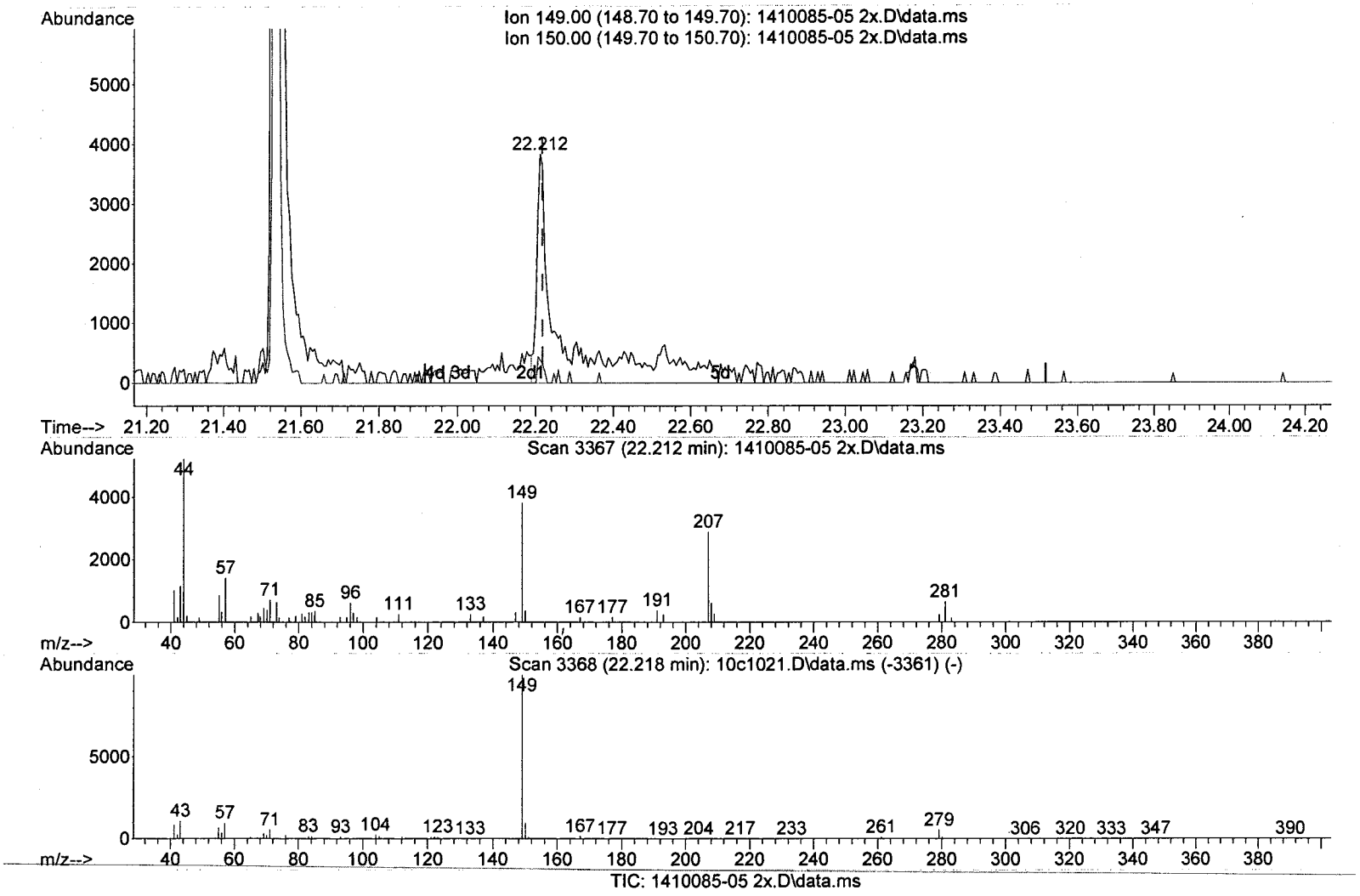
response 192256

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-05 2x.D
Acq On : 21 Oct 2014 19:49
Operator : JLB
Sample : 1410085-05 2x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 08:17:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-05 2x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.40 ng/uL

response 16073

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	2.81#
0.00	0.00	0.00
0.00	0.00	0.00

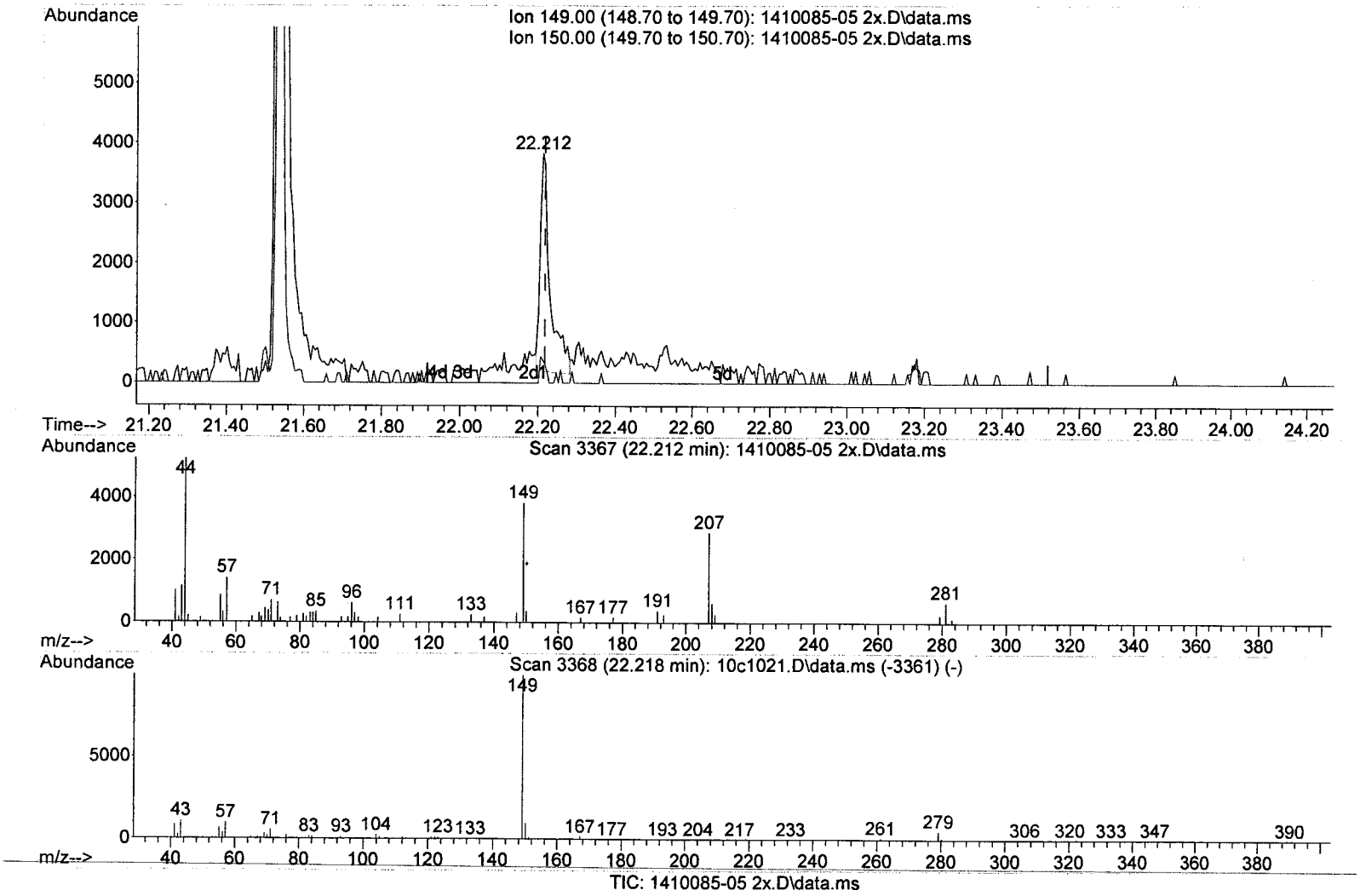
DW 10-22-14

JLB 10/22/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-05 2x.D
Acq On : 21 Oct 2014 19:49
Operator : JLB
Sample : 1410085-05 2x Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 08:17:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-05 2x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.37 ng/uL m

response 6644

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	6.80#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

Analyst: Date: 10/22/14

Reviewed By: Date: 10-22-14

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB38-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-06
File ID: 1410085-06.D
Sampled: 10/01/14 11:40
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 01:10
Solids: 97.71
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	4.9	2.4	8.5	17	J
205-99-2	Benzo(b)fluoranthene	1	4.6	2.0	8.5	17	J
207-08-9	Benzo(k)fluoranthene	1	5.3	2.0	8.5	17	J
191-24-2	Benzo(g,h,i)perylene	1	2.8	1.9	8.5	34	J
65-85-0	Benzoic Acid	1	89	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.1	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	2.1	2.0	8.5	34	J
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	280	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	9.1	5.0	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB38-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-06 File ID: 1410085-06.D

Sampled: 10/01/14 11:40 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 01:10

Solids: 97.71 Preparation: 3550C Sonication Extract Initial/Final: 29.2 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	17	4.0	17	17	B
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	55	12	17	34	
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	701	520	74	33 - 113	
Phenol-d6	701	592	84	30 - 115	
Nitrobenzene-d5	350	295	84	33 - 131	
2-Fluorobiphenyl	350	311	89	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB38-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-06
File ID: 1410085-06.D
Sampled: 10/01/14 11:40
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 01:10
Solids: 97.71
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	701	418	60	12 - 124	
o-Terphenyl	350	322	92	20 - 155	

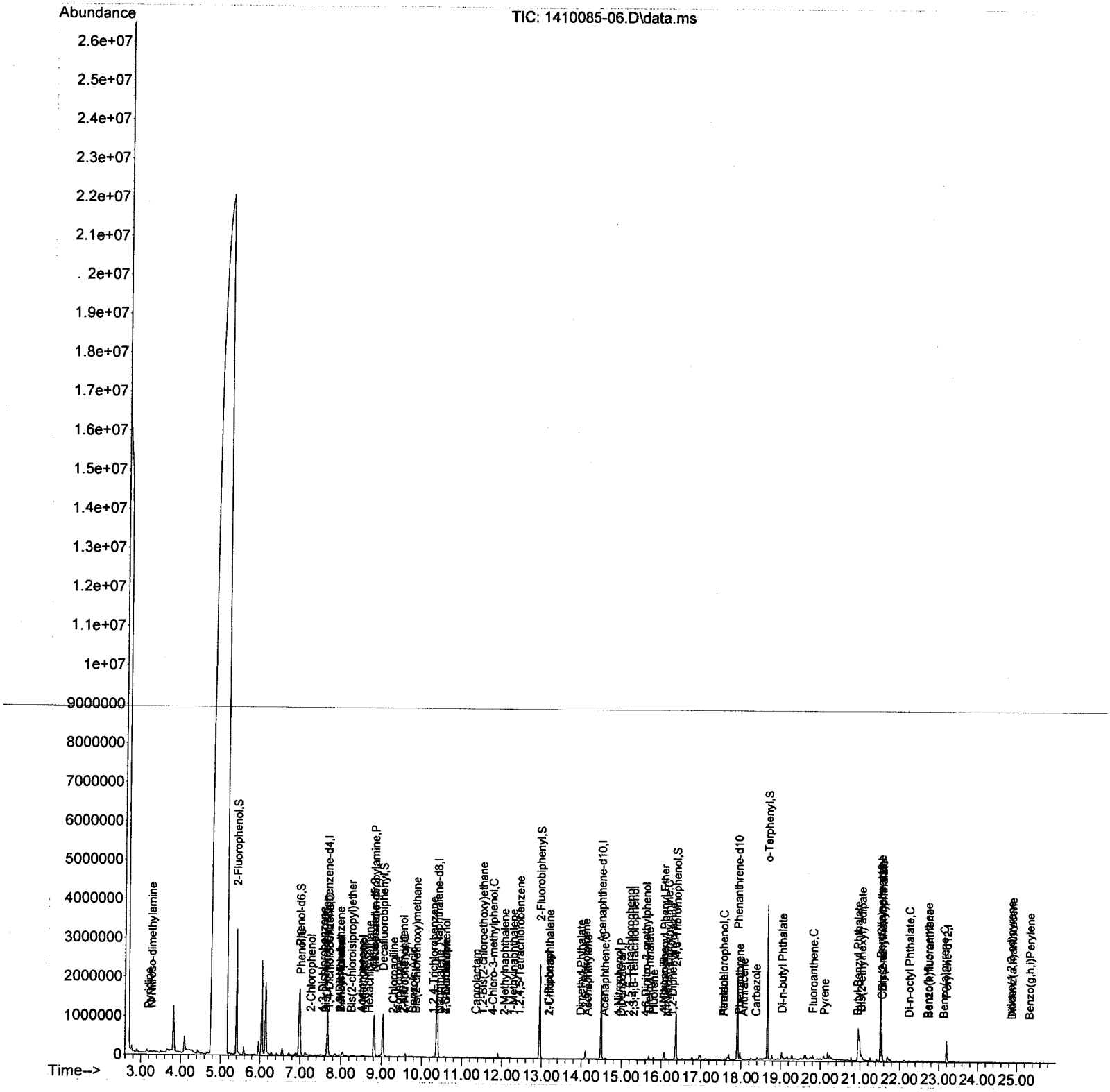
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	369752	7.669	403279	7.614	
Naphthalene-d8	1441591	10.391	1529030	10.359	
Acenaphthene-d10	774440	14.495	866604	14.474	
Phenanthrene-d10	1216728	17.91	1400442	17.901	
Chrysene-d12	858106	21.518	1153654	21.538	
Perylene-d12	295472	23.197	991596	23.211	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:18:10 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



100414bna.M Tue Oct 21 08:18:26 2014 339

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:18:10 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	369752	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.391	136	1441591	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.495	164	774440	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.910	188	1216728	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	858106	5.00	ng/uL	#-0.01
89) Perylene-d12	23.197	264	295472 (bw)	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.402	112	1253566	14.84	ng/uL	0.19
6) Phenol-d6	6.988	99	1847117	16.89	ng/uL	0.05
21) Nitrobenzene-d5	8.812	82	775157	8.41	ng/uL	0.00
23) Decafluorobiphenyl	9.033	334	493808	7.64	ng/uL	0.00
47) 2-Fluorobiphenyl	12.962	172	1416958	8.86	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.372	330	220447	11.94	ng/uL	-0.01
78) o-Terphenyl	18.662	230	958929	9.19	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.269	74	1247	0.02	ng/uL	89
3) Pyridine	3.193	79	996	0.01	ng/uL#	30
5) Aniline	0.000		0	N.D.		
7) Phenol	7.005	94	4215	0.03	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.623	93	800	0.01	ng/uL#	1
9) 2-Chlorophenol	7.256	128	180	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.547	146	4259	0.04	ng/uL#	11
11) 1,4-Dichlorobenzene	7.699	146	2407	0.02	ng/uL#	1
12) 1,2-Dichlorobenzene	7.967	146	666	0.01	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.252	45	1454	0.01	ng/uL#	51
14) Benzyl Alcohol	7.984	108	4747	0.07	ng/uL	98
15) 2-Methylphenol	7.984	108	4747	0.05	ng/uL#	1
16) Acetophenone	8.509	105	4684	0.04	ng/uL#	84
17) Hexachloroethane	8.684	119	427	0.01	ng/uL#	10
18) 4-Methylphenol	8.532	108	57	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.818	70	102393	(1) 1.54	ng/uL#	10
22) Nitrobenzene	8.818	77	4308	0.04	ng/uL#	1
24) Isophorone	9.406	82	1270	0.01	ng/uL#	65
25) 2-Chloroaniline	9.284	127	68	0.00	ng/uL#	15
26) 2-Nitrophenol	9.552	139	70	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.529	107	210	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.849	93	329	0.00	ng/uL#	48
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.774	105	7548	2.55	ng/uL	92
31) 1,2,4-Trichlorobenzene	10.281	180	2323	0.03	ng/uL	96
32) Naphthalene	10.438	128	1678	0.01	ng/uL#	93
33) 4-Chloroaniline	10.590	127	806	0.01	ng/uL#	64
34) 2,6-Dichlorophenol	10.584	162	207	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.347	55	8676	0.21	ng/uL#	51
37) 1,2-Bis(2-chloroethoxy...	11.511	63	115	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.767	107	498	0.01	ng/uL#	1
39) 2-Methylnaphthalene	12.053	142	334	0.00	ng/uL#	59
40) 1-Methylnaphthalene	12.274	142	123	0.00	ng/uL#	92
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

003994

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:18:10 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.437	216	78	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.183	162	516	0.00 ng/uL#	50
49) 1,1'-Biphenyl	13.172	154	954	0.00 ng/uL#	77
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.151	152	76	0.00 ng/uL#	1
52) 2,6-Dinitrotoluene	14.098	165	545	0.01 ng/uL#	1
53) Dimethyl Phthalate	13.976	163	1117	0.01 ng/uL#	88
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.571	153	59	0.00 ng/uL#	75
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.984	168	414	0.00 ng/uL	93
58) 4-Nitrophenol	14.920	65	592	0.02 ng/uL#	70
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	15.188	232	115	0.00 ng/uL#	89
61) 2,3,4,6-Tetrachlorophenol	15.299	232	134	0.00 ng/uL#	40
62) Fluorene	15.800	166	319	0.00 ng/uL#	1
63) Diethyl Phthalate	15.684	149	41093	0.26 ng/uL	96
64) 4-Chlorophenyl Phenyl ...	16.063	204	1313	0.02 ng/uL#	43
65) 4-Nitroaniline	16.051	138	144	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.602	198	144	RT ~~0.99~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.162	169	446	0.00 ng/uL#	37
69) 1,2-Diphenylhydrazine	16.278	182	2315	0.05 ng/uL#	53
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.549	200	148	0.00 ng/uL#	25
74) Pentachlorophenol	17.549	266	2570	0.10 ng/uL#	70
75) Phenanthrene	17.951	178	3412	0.01 ng/uL#	82
76) Anthracene	18.056	178	1040	0.00 ng/uL#	69
77) Carbazole	18.371	167	1360	0.01 ng/uL#	76
79) Di-n-butyl Phthalate	19.035	149	12419	0.05 ng/uL#	89
80) Fluoroanthene	19.811	202	2528	0.01 ng/uL	96
82) Pyrene	20.102	202	2868	0.01 ng/uL#	35
83) Butyl Benzyl Phthalate	20.930	149	5615	0.07 ng/uL#	74
84) Bis(2-ethylhexyl) adipate	21.029	129	4278	0.12 ng/uL#	100
85) Benzo(a)anthracene	21.512	228	6026	0.04 ng/uL#	16
86) Chrysene	21.547	228	3925	0.03 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.553	149	162322	1.58 ng/uL	91
88) Di-n-octyl Phthalate	22.229	149	27475	0.49 ng/uL#	93
90) Benzo(b)fluoroanthene	22.707	252	6870	0.13 ng/uL#	91
91) Benzo(k)fluoranthene	22.736	252	8824	0.15 ng/uL	94
92) Benzo(a)pyrene	23.121	252	6834	0.14 ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.835	276	2994m	0.07 ng/uL	
94) Dibdenz(a,h)anthracene	24.876	278	2182	0.06 ng/uL#	68
95) Benzo(g,h,i)Perylene	25.324	276	2979	0.08 ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 07:52:01 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

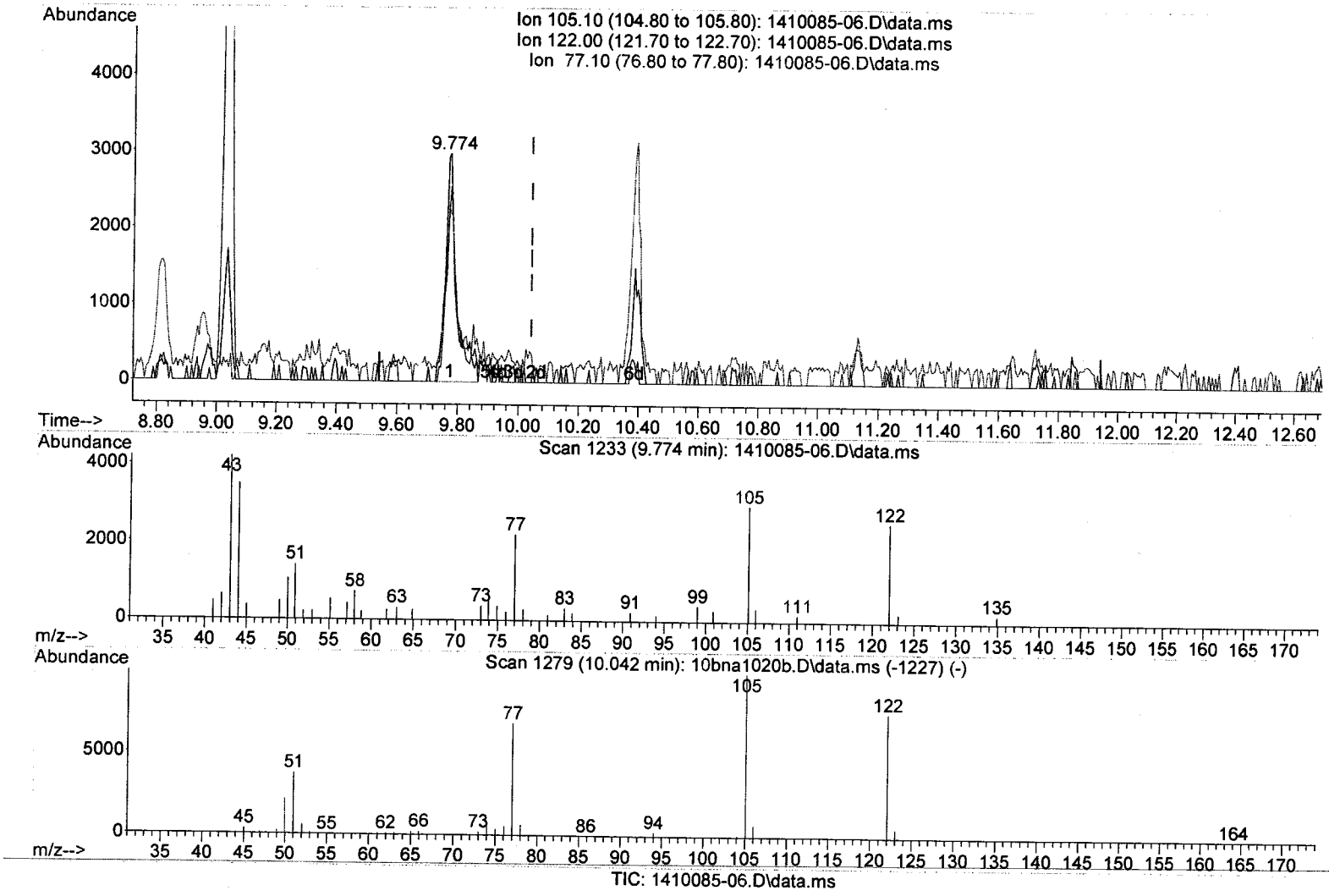
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.669	152	368253	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.391	136	1441591	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.495	164	774205	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1217550	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	858106	5.00	ng/uL	#	0.00
22) Perylene-d12	23.197	264	295472	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.380	74	19597	0.34	ng/uL	#	9
3) Pyridine	3.193	79	996	0.01	ng/uL	#	30
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.836	105	3448	0.04	ng/uL	#	1
6) Acetophenone	8.509	105	4684	0.03	ng/uL	#	84
7) N-Nitroso-di-n-propyla...	8.538	70	1583	0.02	ng/uL	#	35
9) 4-Chloroaniline	10.590	127	806	0.02	ng/uL	#	64
10) Caprolactam	11.347	55	3940	0.18	ng/uL	#	19
12) 1,1'-Biphenyl	13.172	154	954	0.00	ng/uL	#	77
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	16.051	138	144	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.162	169	446	0.00	ng/uL	#	37
18) Atrazine	17.549	200	148	Below Cal		#	25
20) Benzidine	20.184	184	542	0.41	ng/uL	#	25
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:17:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410085-06.D\data.ms

(30) Benzoic Acid

9.774min (-0.268) 2.55 ng/uL

response 7548

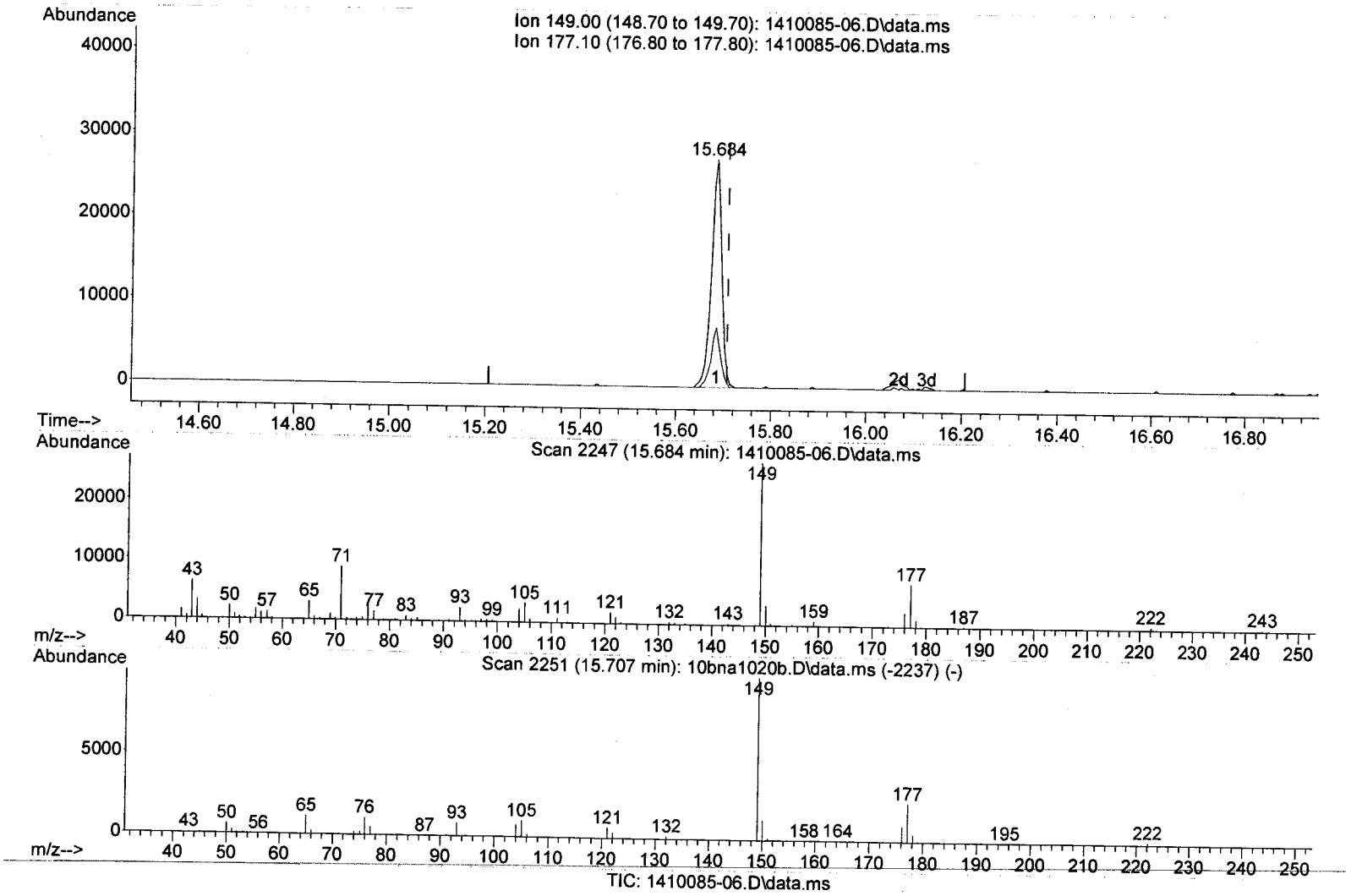
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	75.78
77.10	74.70	84.49
0.00	0.00	0.00

003997

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:17:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

15.684min (-0.023) 0.26 ng/uL

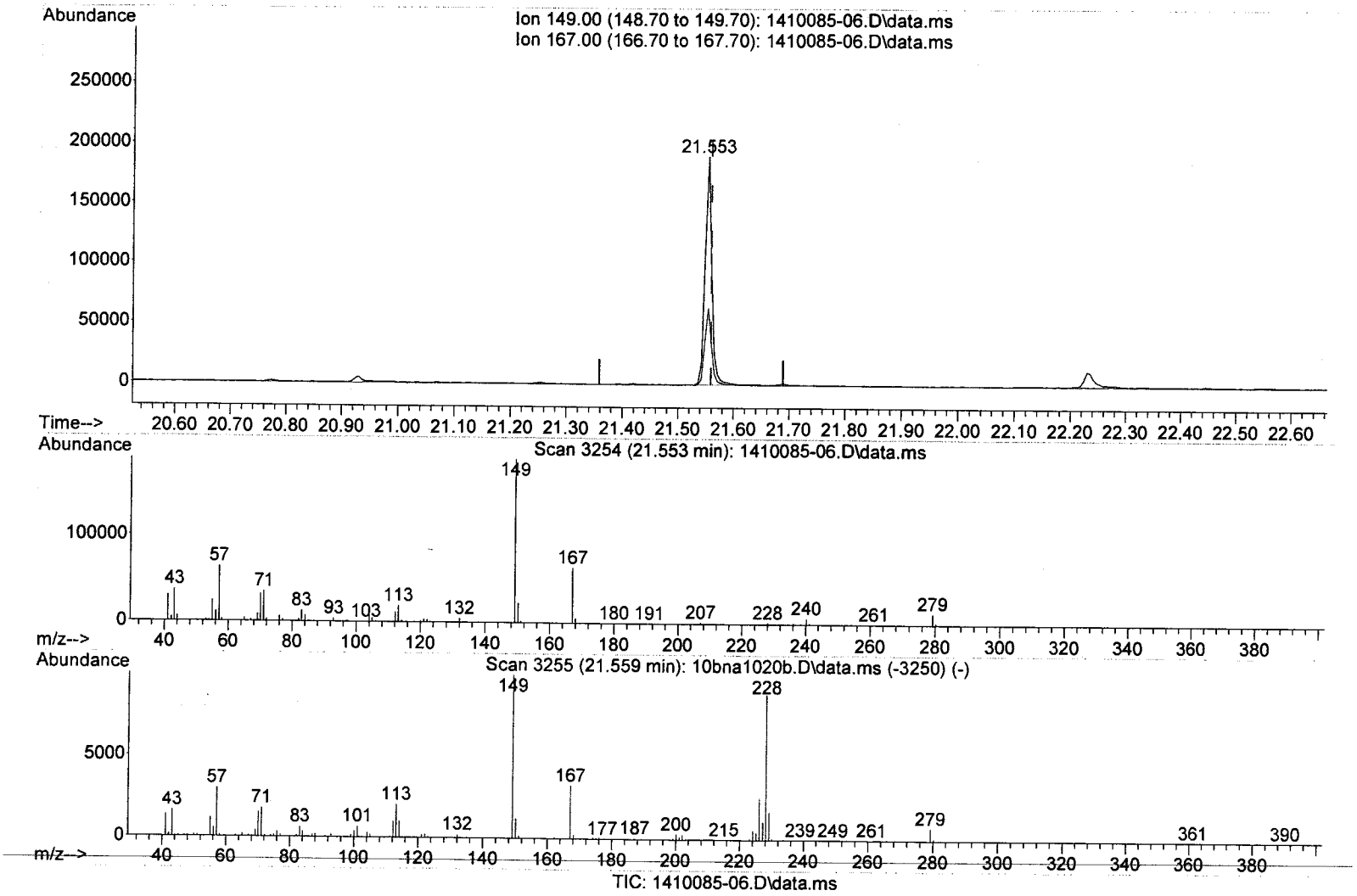
response 41093

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	24.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:17:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.553min (-0.006) 1.58 ng/uL

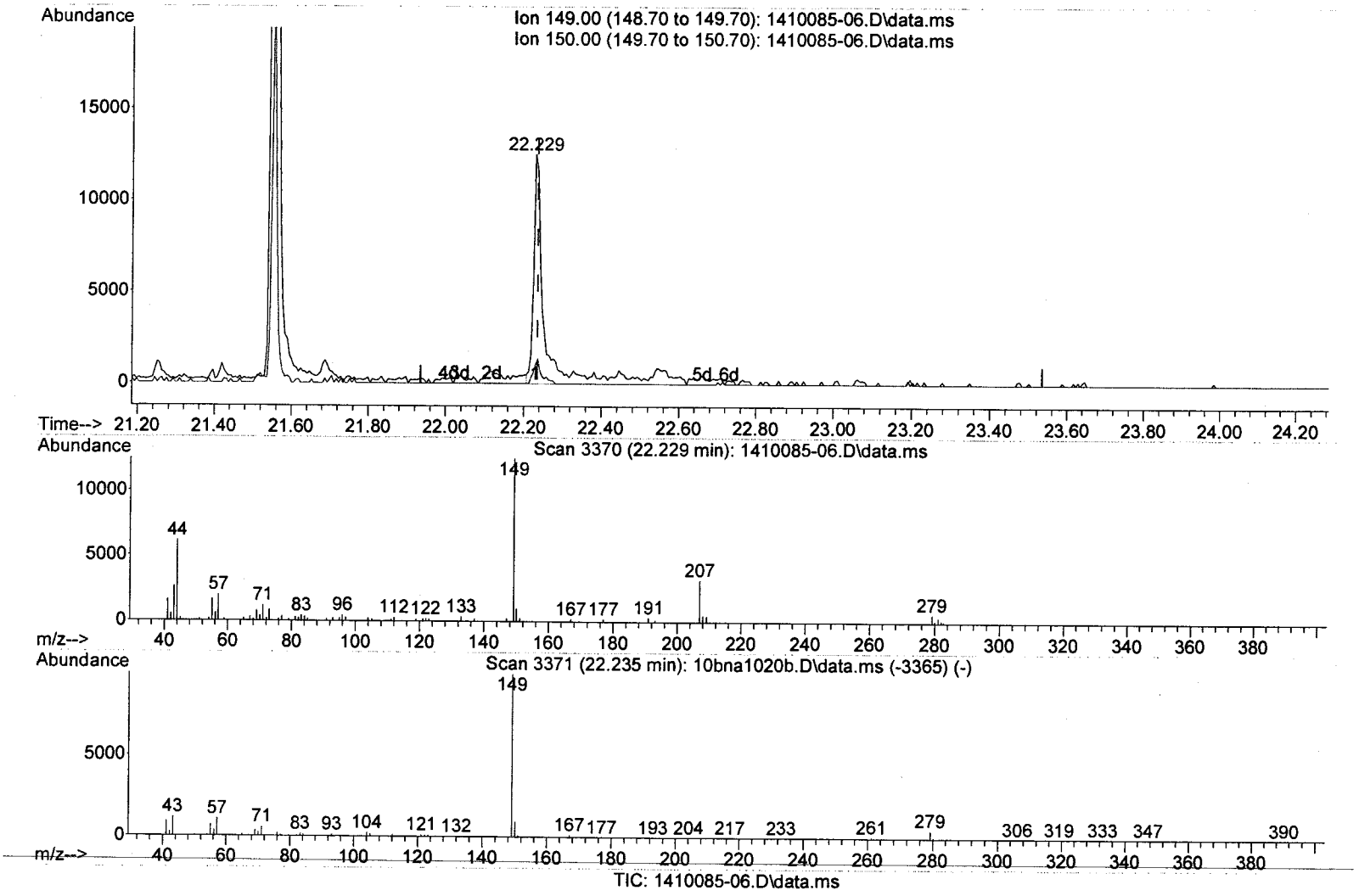
response 162322

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:17:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.229min (-0.006) 0.49 ng/uL

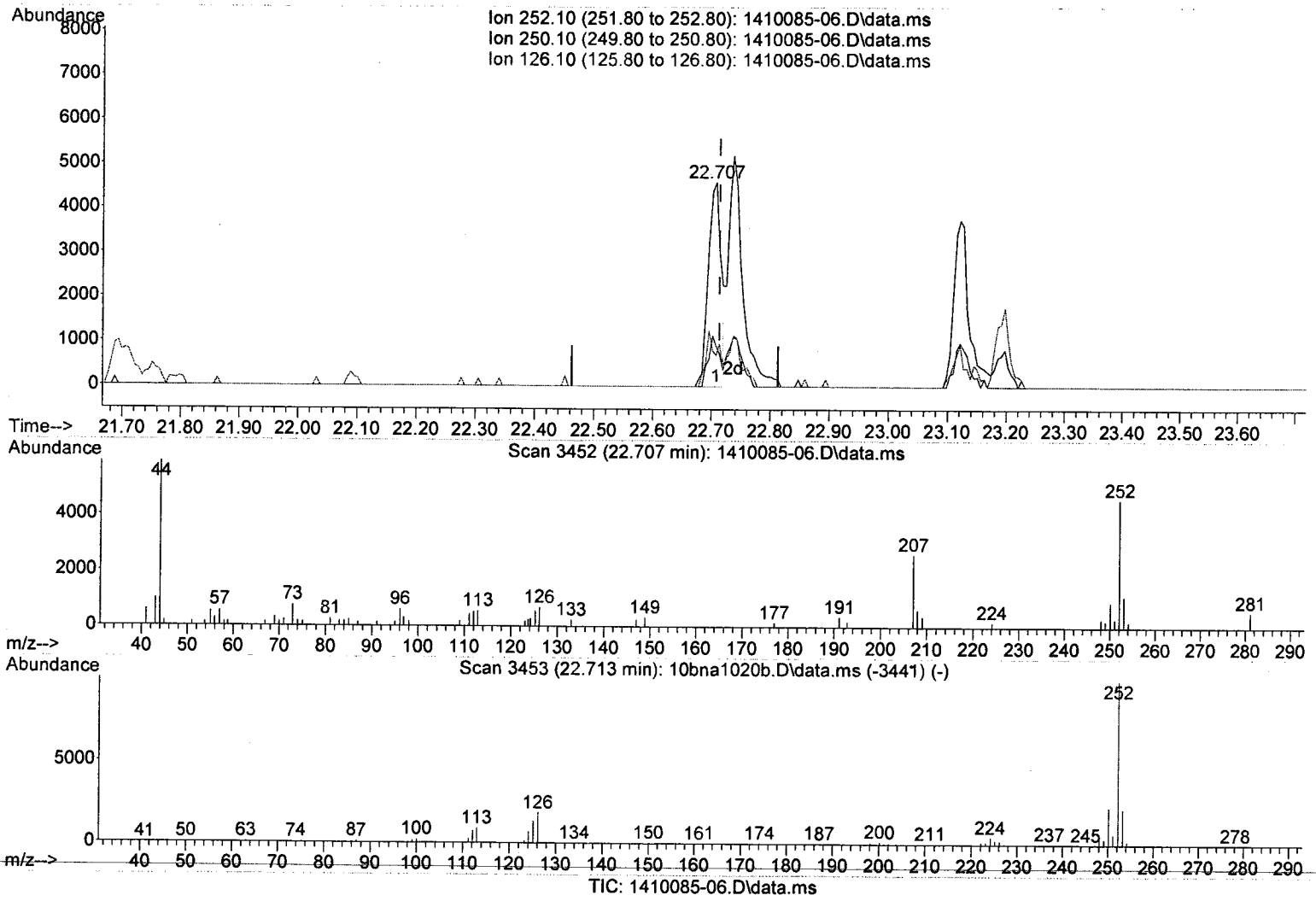
response 27475

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	6.96#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:17:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(90) Benzo(b)fluoroanthene

22.707min (-0.006) 0.13 ng/uL

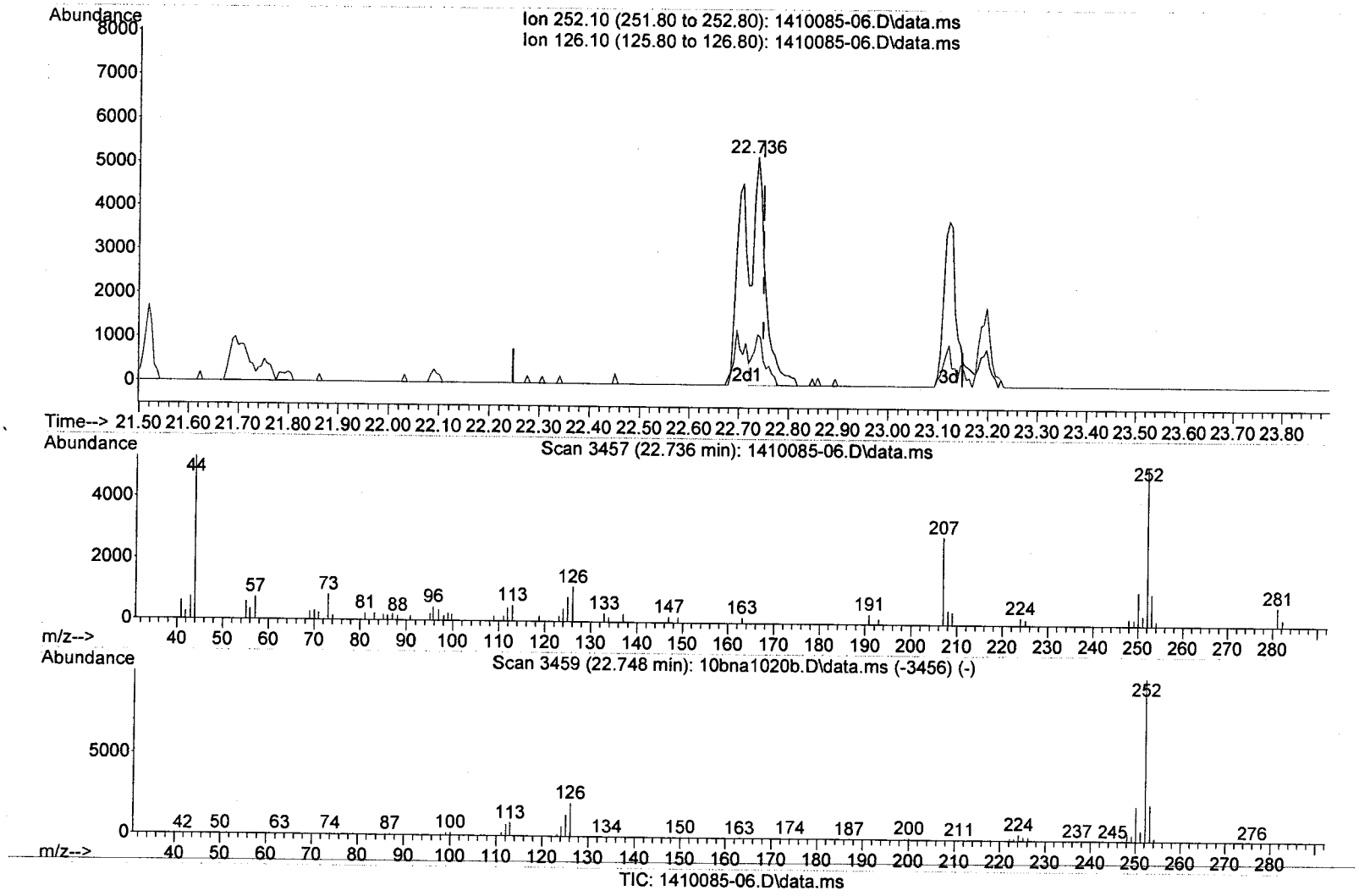
response 6870

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	21.62
126.10	17.20	25.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:17:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.736min (-0.012) 0.15 ng/uL

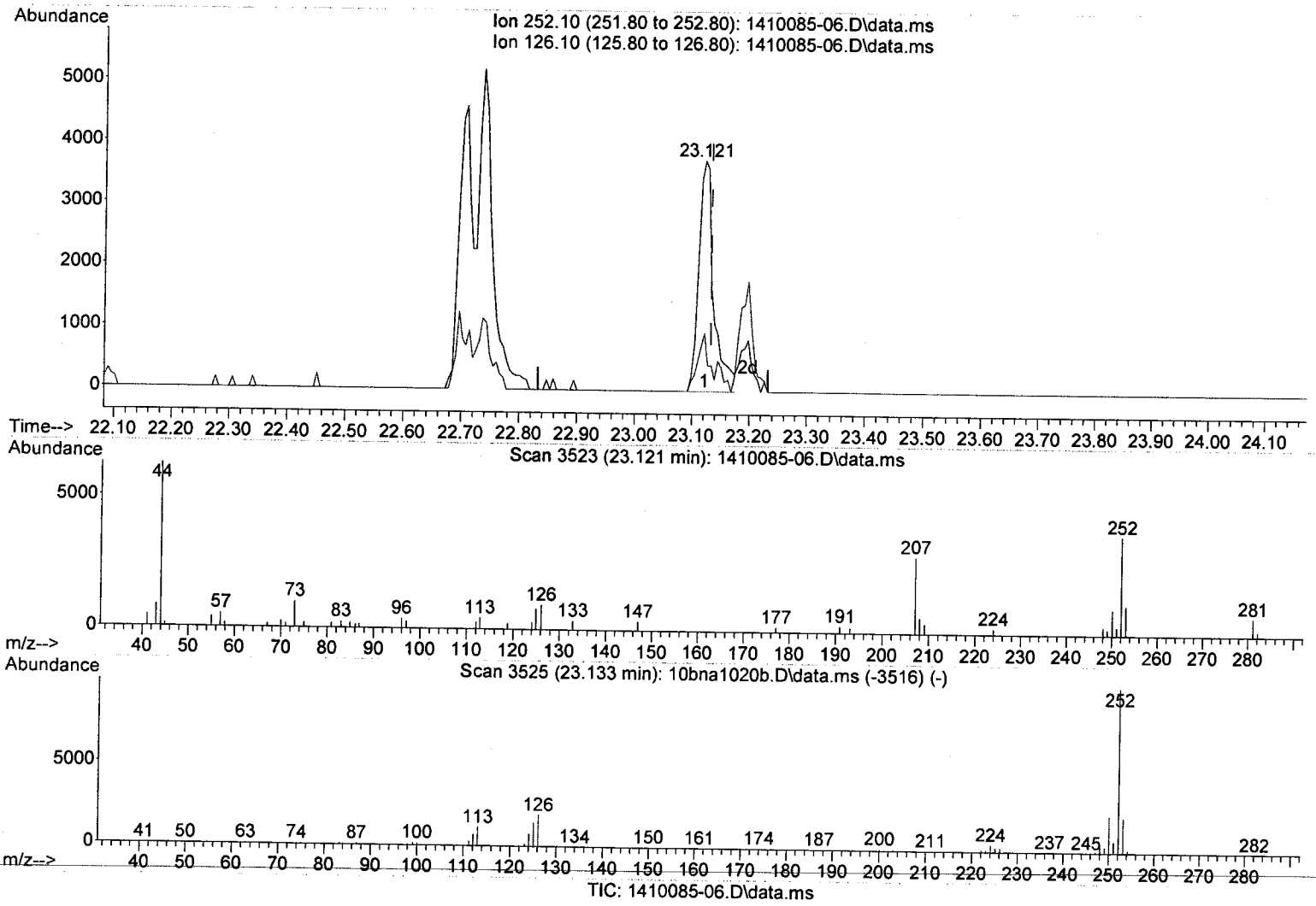
response 8824

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	21.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:17:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(92) Benzo(a)pyrene (C)

23.121min (-0.012) 0.14 ng/uL

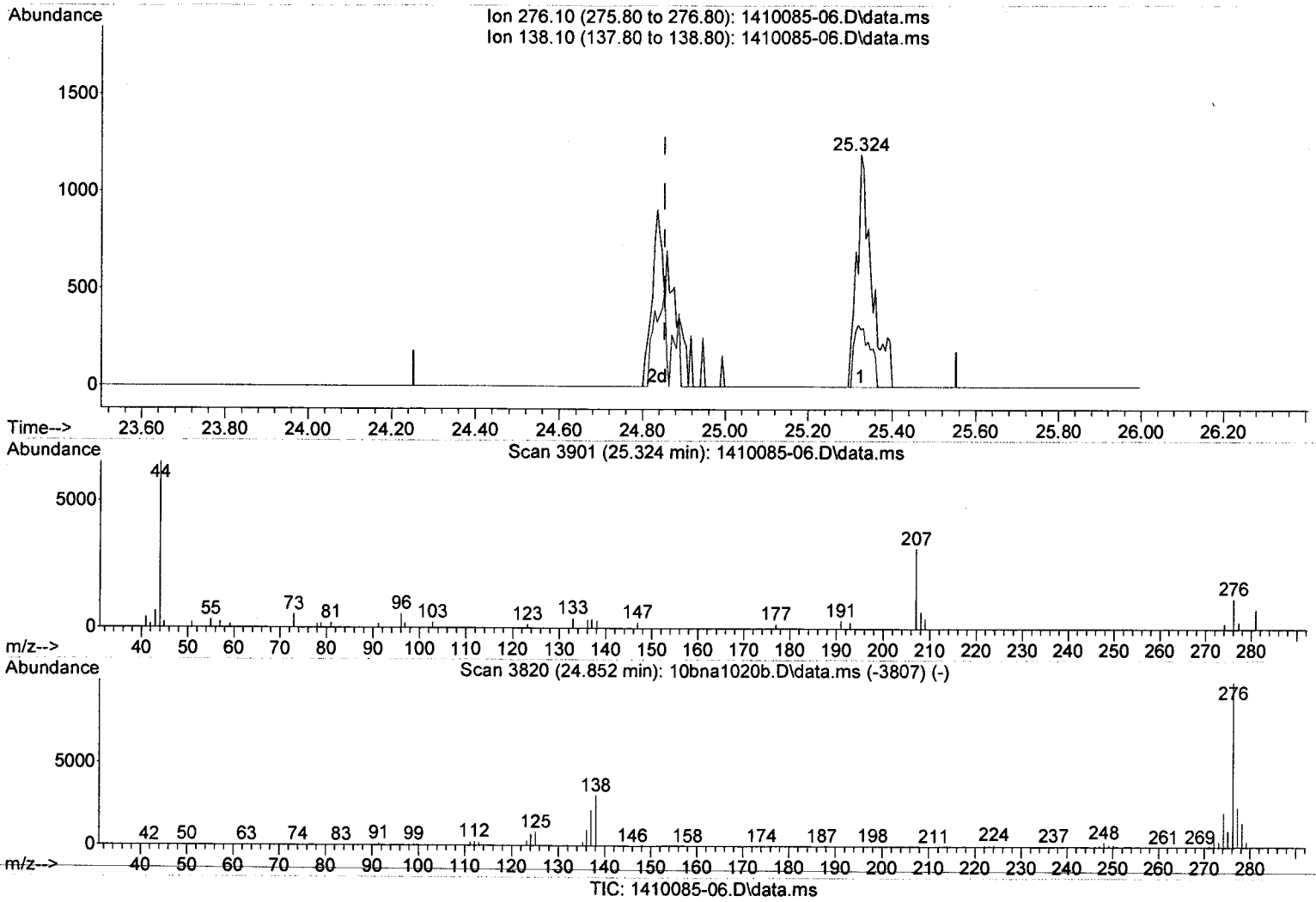
response 6834

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	18.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:17:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(93) Indeno(1,2,3-cd)pyrene

25.324min (+ 0.472) 0.07 ng/uL

response 2979

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	28.23
0.00	0.00	0.00
0.00	0.00	0.00

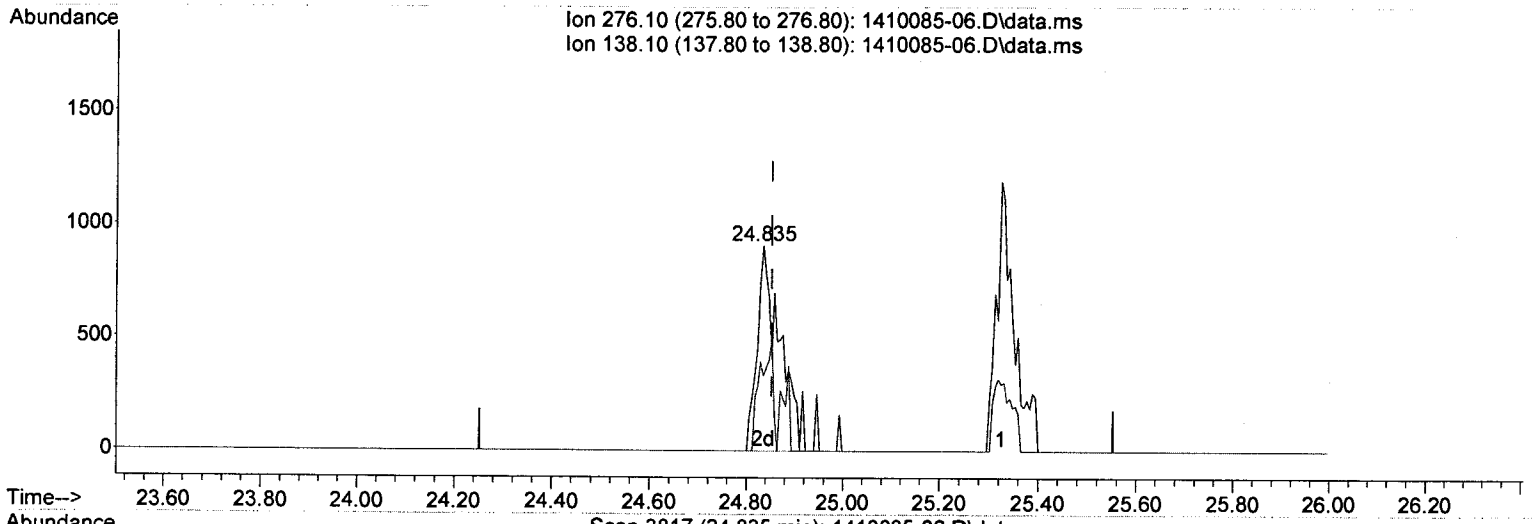
DWR 10-22-14

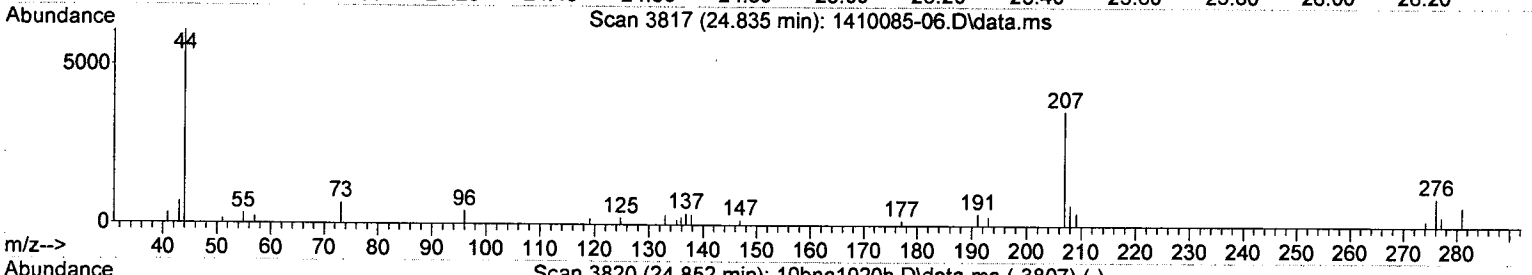
10/21/14

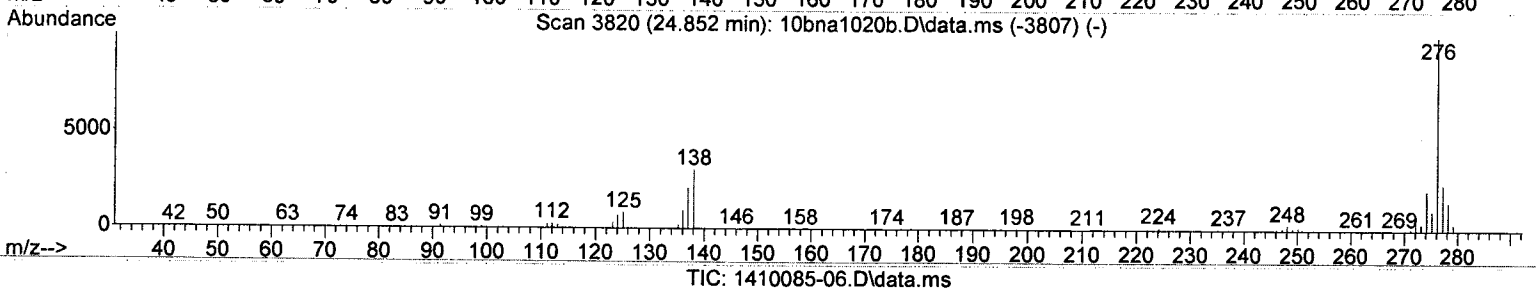
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:17:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410085-06.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.835min (-0.017) 0.07 ng/uL m

response 2994

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	28.09
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 10/21/14

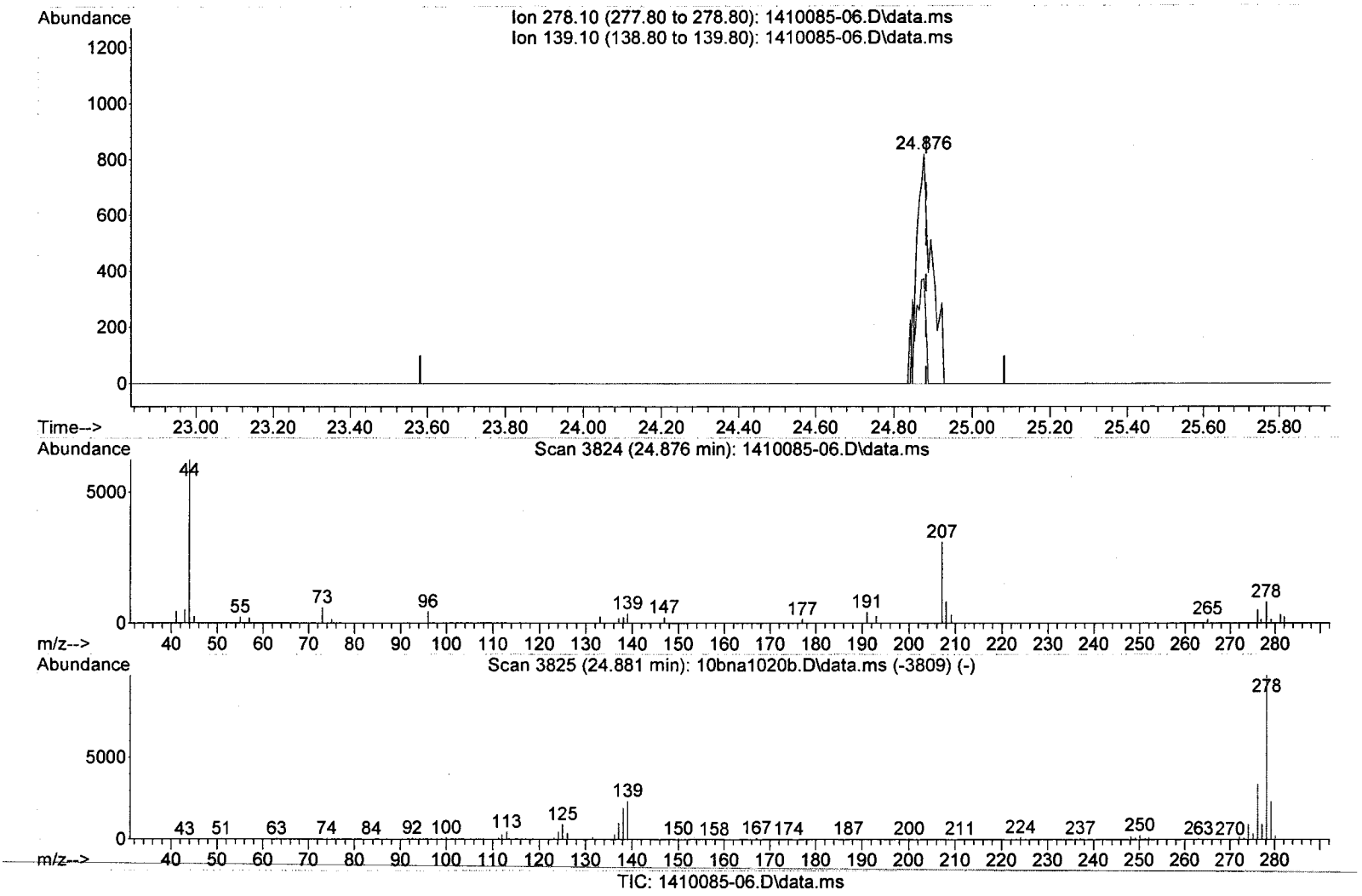
Reviewed By: DW Date: 10-22-14

< MDL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:17:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410085-06.D\data.ms

(94) Dibdenz(a,h)anthracene

24.876min (-0.006) 0.06 ng/uL

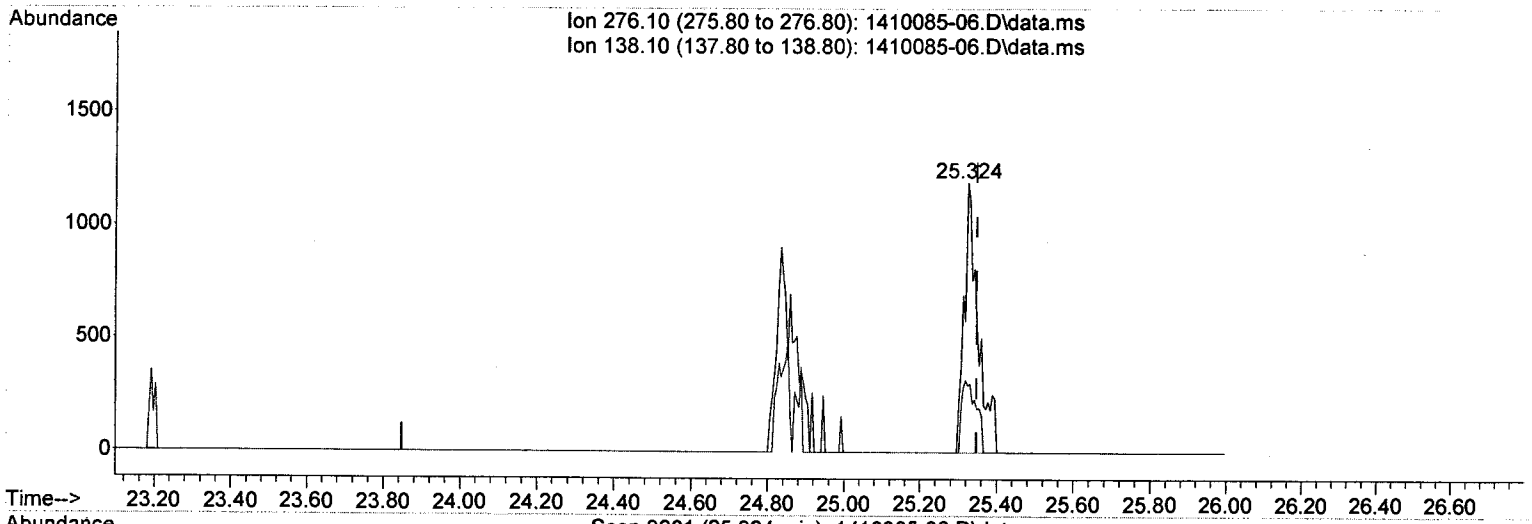
response 2182

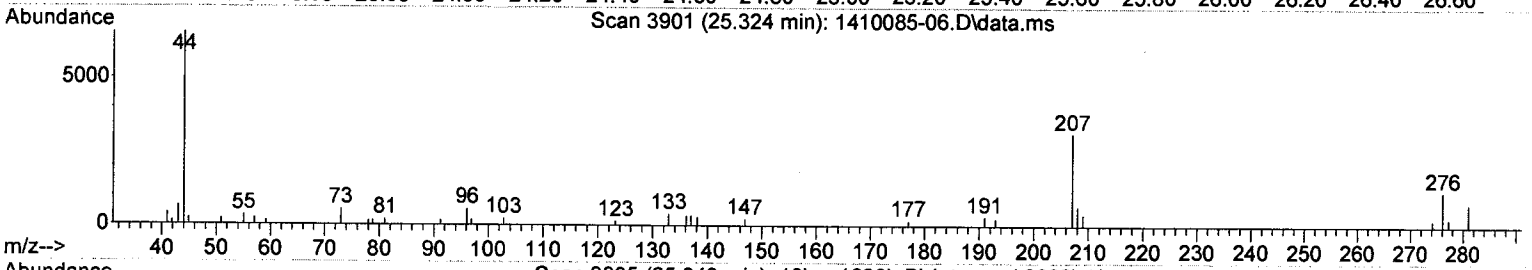
Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	31.30#
0.00	0.00	0.00
0.00	0.00	0.00

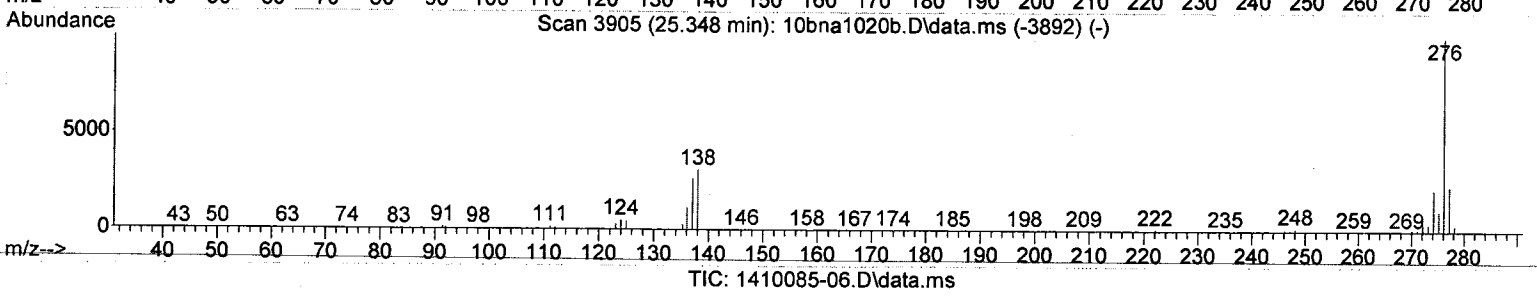
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410085-06.D
Acq On : 21 Oct 2014 1:10
Operator : JLB
Sample : 1410085-06 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 08:17:02 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410085-06.D\data.ms

(95) Benzo(g,h,i)Perylene

25.324min (-0.023) 0.08 ng/uL

response 2979

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	28.23
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB38-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-06RE1 File ID: 1410085-06 2x.D

Sampled: 10/01/14 11:40 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 20:21

Solids: 97.71 Preparation: 3550C Sonication Extract Initial/Final: 29.2 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	2	34	9.5	34	34	U
208-96-8	Acenaphthylene	2	34	8.5	34	34	U
120-12-7	Anthracene	2	34	8.2	34	34	U
56-55-3	Benzo(a)anthracene	2	17	5.6	17	34	U
50-32-8	Benzo(a)pyrene	2	17	4.7	17	34	U
205-99-2	Benzo(b)fluoranthene	2	17	3.9	17	34	U
207-08-9	Benzo(k)fluoranthene	2	17	4.0	17	34	U
191-24-2	Benzo(g,h,i)perylene	2	17	3.9	17	68	U
65-85-0	Benzoic Acid	2	340	140	340	680	U
100-51-6	Benzyl Alcohol	2	34	9.4	34	34	U
101-55-3	4-Bromophenyl Phenyl Ether	2	34	8.3	34	34	U
85-68-7	Butyl Benzyl Phthalate	2	34	8.2	34	68	U
86-74-8	Carbazole	2	34	8.2	34	340	U
59-50-7	4-Chloro-3-methylphenol	2	34	10	34	34	U
106-47-8	4-Chloroaniline	2	34	18	34	140	U
111-91-1	Bis(2-chloroethoxy)methane	2	34	8.3	34	34	U
111-44-4	Bis(2-chloroethyl) Ether	2	34	8.1	34	34	U
108-60-1	Bis(2-chloroisopropyl) Ether	2	17	7.5	17	34	U
91-58-7	2-Chloronaphthalene	2	34	10	34	34	U
95-57-8	2-Chlorophenol	2	34	8.1	34	34	U
7005-72-3	4-Chlorophenyl Phenyl Ether	2	34	7.8	34	34	U
218-01-9	Chrysene	2	34	8.0	34	34	U
53-70-3	Dibenz(a,h)anthracene	2	17	3.9	17	68	U
132-64-9	Dibenzofuran	2	34	10	34	34	U
84-74-2	Di-n-butyl Phthalate	2	68	28	68	140	U
106-46-7	1,4-Dichlorobenzene	2	34	9.9	34	34	U
95-50-1	1,2-Dichlorobenzene	2	34	11	34	34	U
541-73-1	1,3-Dichlorobenzene	2	34	12	34	34	U
91-94-1	3,3´-Dichlorobenzidine	2	1400	570	1400	1700	U
120-83-2	2,4-Dichlorophenol	2	34	8.4	34	68	U
84-66-2	Diethyl Phthalate	2	34	9.9	34	34	U
105-67-9	2,4-Dimethylphenol	2	270	74	270	340	U
131-11-3	Dimethyl Phthalate	2	34	9.7	34	34	U
534-52-1	4,6-Dinitro-2-methylphenol	2	140	44	140	340	U
51-28-5	2,4-Dinitrophenol	2	340	110	340	340	U
606-20-2	2,6-Dinitrotoluene	2	17	8.2	17	34	U
121-14-2	2,4-Dinitrotoluene	2	17	6.7	17	68	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB38-15

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-06RE1 File ID: 1410085-06 2x.D

Sampled: 10/01/14 11:40 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 20:21

Solids: 97.71 Preparation: 3550C Sonication Extract Initial/Final: 29.2 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	2	25	7.9	34	34	JB
122-66-7	1,2-Diphenylhydrazine	2	17	6.9	17	34	U
117-81-7	Bis(2-ethylhexyl) Phthalate	2	49	24	34	68	J
206-44-0	Fluoranthene	2	34	9.1	34	34	U
86-73-7	Fluorene	2	34	8.2	34	68	U
118-74-1	Hexachlorobenzene	2	34	9.7	34	34	U
87-68-3	Hexachlorobutadiene	2	34	9.4	34	34	U
67-72-1	Hexachloroethane	2	34	10	34	34	U
193-39-5	Indeno(1,2,3-cd)pyrene	2	17	5.5	17	68	U
78-59-1	Isophorone	2	34	7.9	34	34	U
91-57-6	2-Methylnaphthalene	2	34	9.3	34	34	U
108-39-4	3+4-Methylphenol	2	17	7.5	17	34	U
95-48-7	2-Methylphenol	2	17	7.3	17	34	U
91-20-3	Naphthalene	2	34	11	34	34	U
100-01-6	4-Nitroaniline	2	140	50	140	680	U
88-74-4	2-Nitroaniline	2	17	7.3	17	34	U
99-09-2	3-Nitroaniline	2	68	34	68	680	U
98-95-3	Nitrobenzene	2	34	9.4	34	34	U
88-75-5	2-Nitrophenol	2	34	9.1	34	34	U
100-02-7	4-Nitrophenol	2	680	210	680	1400	U
62-75-9	N-Nitroso-dimethylamine	2	14	6.8	14	68	U
86-30-6	N-Nitroso-diphenylamine	2	17	7.0	17	34	U
621-64-7	N-Nitroso-di-n-propylamine	2	34	8.3	34	34	U
87-86-5	Pentachlorophenol	2	34	27	34	340	U
85-01-8	Phenanthrene	2	34	8.4	34	34	U
108-95-2	Phenol	2	34	8.0	34	340	U
129-00-0	Pyrene	2	34	8.8	34	34	U
120-82-1	1,2,4-Trichlorobenzene	2	34	9.1	34	34	U
95-95-4	2,4,5-Trichlorophenol	2	34	9.2	34	34	U
88-06-2	2,4,6-Trichlorophenol	2	17	5.2	17	34	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	701	489	70	33 - 113	
Phenol-d6	701	562	80	30 - 115	
Nitrobenzene-d5	350	275	78	33 - 131	
2-Fluorobiphenyl	350	292	83	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU17SB38-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-06RE1
File ID: 1410085-06 2x.D
Sampled: 10/01/14 11:40
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 20:21
Solids: 97.71
Preparation: 3550C Sonication Extract
Initial/Final: 29.2 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21047
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	701	342	49	12 - 124	
o-Terphenyl	350	301	86	20 - 155	

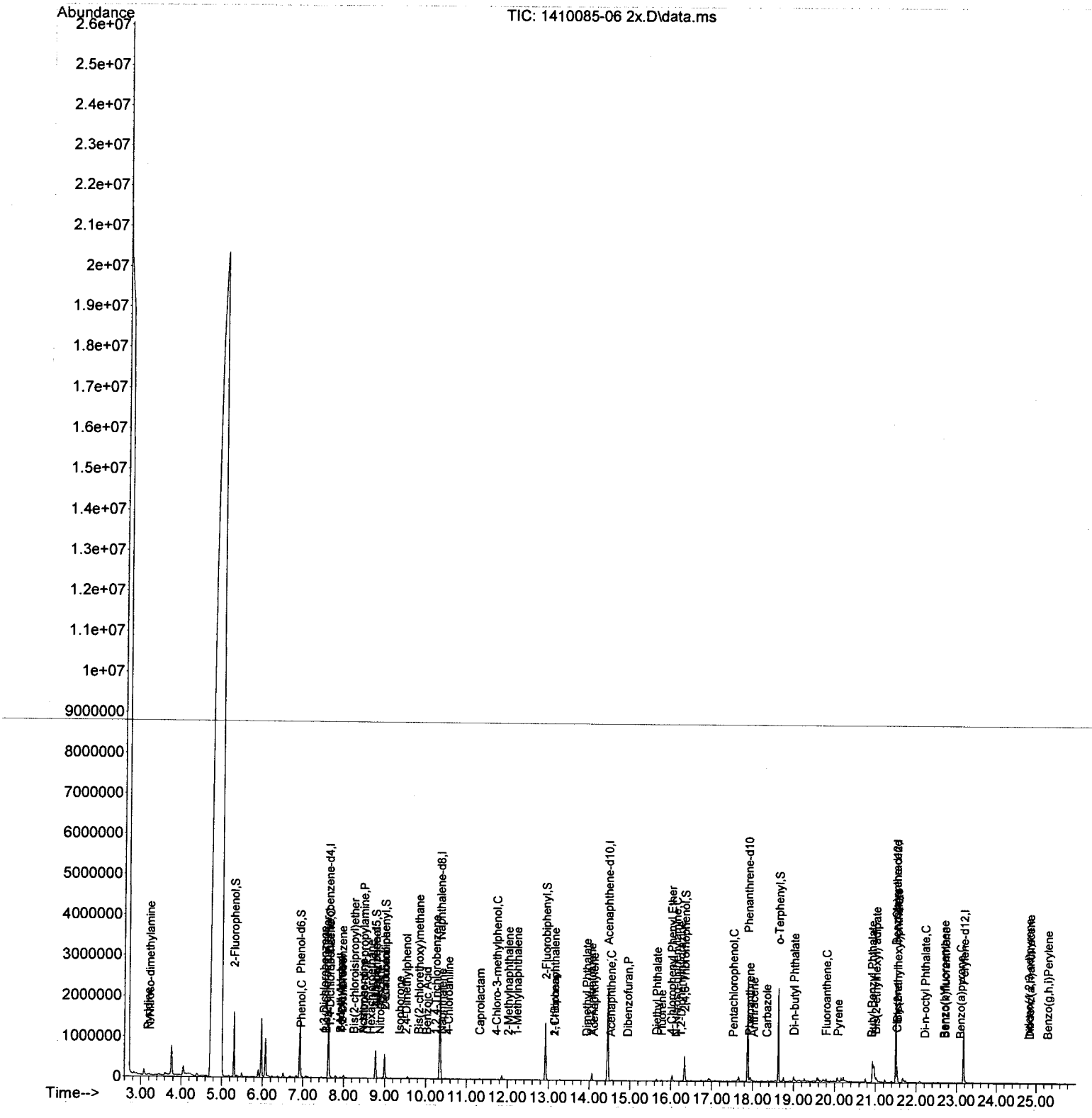
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	414038	7.629	403279	7.614	
Naphthalene-d8	1629371	10.351	1529030	10.359	
Acenaphthene-d10	912002	14.46	866604	14.474	
Phenanthrene-d10	1469092	17.881	1400442	17.901	
Chrysene-d12	1168194	21.501	1153654	21.538	
Perylene-d12	753486	23.174	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-06 2x.D
Acq On : 21 Oct 2014 20:21
Operator : JLB
Sample : 1410085-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 08:18:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-06 2x.D
Acq On : 21 Oct 2014 20:21
Operator : JLB
Sample : 1410085-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

rel

Quant Time: Oct 22 08:18:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.629	152	414038	5.00 ng/uL	# 0.02
20) Naphthalene-d8	10.351	136	1629371	5.00 ng/uL	0.00
42) Acenaphthene-d10	14.460	164	912002	5.00 ng/uL	-0.01
66) Phenanthrene-d10	17.881	188	1469092	5.00 ng/uL	0.00
81) Chrysene-d12	21.501	240	1168194	5.00 ng/uL	# 0.00
89) Perylene-d12	23.174	264	753486	5.00 ng/uL	# 0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.303	112	659787	6.97 ng/uL	0.12
6) Phenol-d6	6.923	99	982658	8.02 ng/uL	0.00
21) Nitrobenzene-d5	8.771	82	408518	3.92 ng/uL	-0.02
23) Decafluorobiphenyl	8.998	334	249581	3.42 ng/uL	-0.01
47) 2-Fluorobiphenyl	12.927	172	783710	4.16 ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.337	330	108719	4.88 ng/uL	-0.02
78) o-Terphenyl	18.639	230	540905	4.29 ng/uL	0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	3.211	74	301	0.00 ng/uL#	1
3) Pyridine	3.170	79	129	0.00 ng/uL#	14
5) Aniline	0.000		0	N.D.	
7) Phenol	6.947	94	2383	0.02 ng/uL#	1
8) Bis(2-chloroethyl)ether	7.570	93	162	0.00 ng/uL#	1
9) 2-Chlorophenol	0.000		0	N.D.	
10) 1,3-Dichlorobenzene	7.506	146	2120	0.02 ng/uL#	31
11) 1,4-Dichlorobenzene	7.652	146	1162	0.01 ng/uL#	1
12) 1,2-Dichlorobenzene	7.955	146	1893	0.02 ng/uL#	17
13) Bis(2-chloroisipropyl)...	8.247	45	745	0.00 ng/uL#	51
14) Benzyl Alcohol	7.914	108	2659	0.04 ng/uL	88
15) 2-Methylphenol	7.914	108	2659	0.03 ng/uL#	25
16) Acetophenone	8.468	105	2225	0.01 ng/uL	96
17) Hexachloroethane	8.655	119	139	0.00 ng/uL#	3
18) 4-Methylphenol	8.777	108	141	0.00 ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.485	70	748	0.01 ng/uL	84
22) Nitrobenzene	8.876	77	146	0.00 ng/uL#	30
24) Isophorone	9.360	82	708	0.00 ng/uL#	78
25) 2-Chloroaniline	8.998	127	3518	0.03 ng/uL#	56
26) 2-Nitrophenol	0.000		0	N.D.	
27) 2,4-Dimethylphenol	9.517	107	63	0.00 ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.826	93	68	0.00 ng/uL#	16
29) 2,4-Dichlorophenol	0.000		0	N.D.	
30) Benzoic Acid	10.018	105	149	~~2.46~~ ng/uL#	5
31) 1,2,4-Trichlorobenzene	10.240	180	1041	0.01 ng/uL	95
32) Naphthalene	10.391	128	1161	0.00 ng/uL#	74
33) 4-Chloroaniline	10.549	127	286	0.00 ng/uL#	1
34) 2,6-Dichlorophenol	0.000		0	N.D.	
35) Hexachlorobutadiene	0.000		0	N.D.	
36) Caprolactam	11.324	55	6221	0.13 ng/uL#	37
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.	
38) 4-Chloro-3-methylphenol	11.726	107	156	0.00 ng/uL#	15
39) 2-Methylnaphthalene	12.012	142	502	0.00 ng/uL	95
40) 1-Methylnaphthalene	12.227	142	289	0.00 ng/uL#	54
41) 1,3 Dinitrobenzene	0.000		0	N.D.	

004012

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-06 2x.D
Acq On : 21 Oct 2014 20:21
Operator : JLB
Sample : 1410085-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 08:18:45 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.143	162	241	0.00 ng/uL#	73
49) 1,1'-Biphenyl	13.143	154	291	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.110	152	122	0.00 ng/uL#	1
52) 2,6-Dinitrotoluene	14.052	165	271	0.01 ng/uL#	1
53) Dimethyl Phthalate	13.929	163	422	0.00 ng/uL#	40
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.530	153	285	0.00 ng/uL#	71
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.944	168	59	0.00 ng/uL#	37
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.771	166	474	0.00 ng/uL#	1
63) Diethyl Phthalate	15.649	149	21255	0.11 ng/uL	96
64) 4-Chlorophenyl Phenyl ...	16.016	204	660	0.01 ng/uL#	14
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
68) N-Nitroso-diphenylamine	16.127	169	152	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	16.243	182	1146	0.02 ng/uL#	63
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.526	266	699	0.02 ng/uL#	67
75) Phenanthrene	17.922	178	5852	0.02 ng/uL#	93
76) Anthracene	18.021	178	2536	0.01 ng/uL#	90
77) Carbazole	18.342	167	670	0.00 ng/uL#	39
79) Di-n-butyl Phthalate	19.012	149	7494	0.03 ng/uL	97
80) Fluoroanthene	19.793	202	4029	0.01 ng/uL#	77
82) Pyrene	20.084	202	4663	0.02 ng/uL#	90
83) Butyl Benzyl Phthalate	20.906	149	3085	0.03 ng/uL	83
84) Bis(2-ethylhexyl) adipate	21.011	129	1721	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.495	228	5215	0.02 ng/uL#	1
86) Chrysene	21.524	228	2613	0.01 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.536	149	98430	0.70 ng/uL	91
88) Di-n-octyl Phthalate	22.212	149	5782m	0.36 ng/uL	
90) Benzo(b)fluoroanthene	22.684	252	3799	0.03 ng/uL#	87
91) Benzo(k)fluoranthene	22.713	252	5268	0.03 ng/uL#	83
92) Benzo(a)pyrene	23.092	252	3842	0.03 ng/uL#	87
93) Indeno(1,2,3-cd)pyrene	24.806	276	2139	0.02 ng/uL#	82
94) Dibdenz(a,h)anthracene	24.841	278	1495	0.02 ng/uL#	89
95) Benzo(g,h,i)Perylene	25.289	276	2103	0.02 ng/uL#	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-06 2x.D
Acq On : 21 Oct 2014 20:21
Operator : JLB
Sample : 1410085-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 07:56:04 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

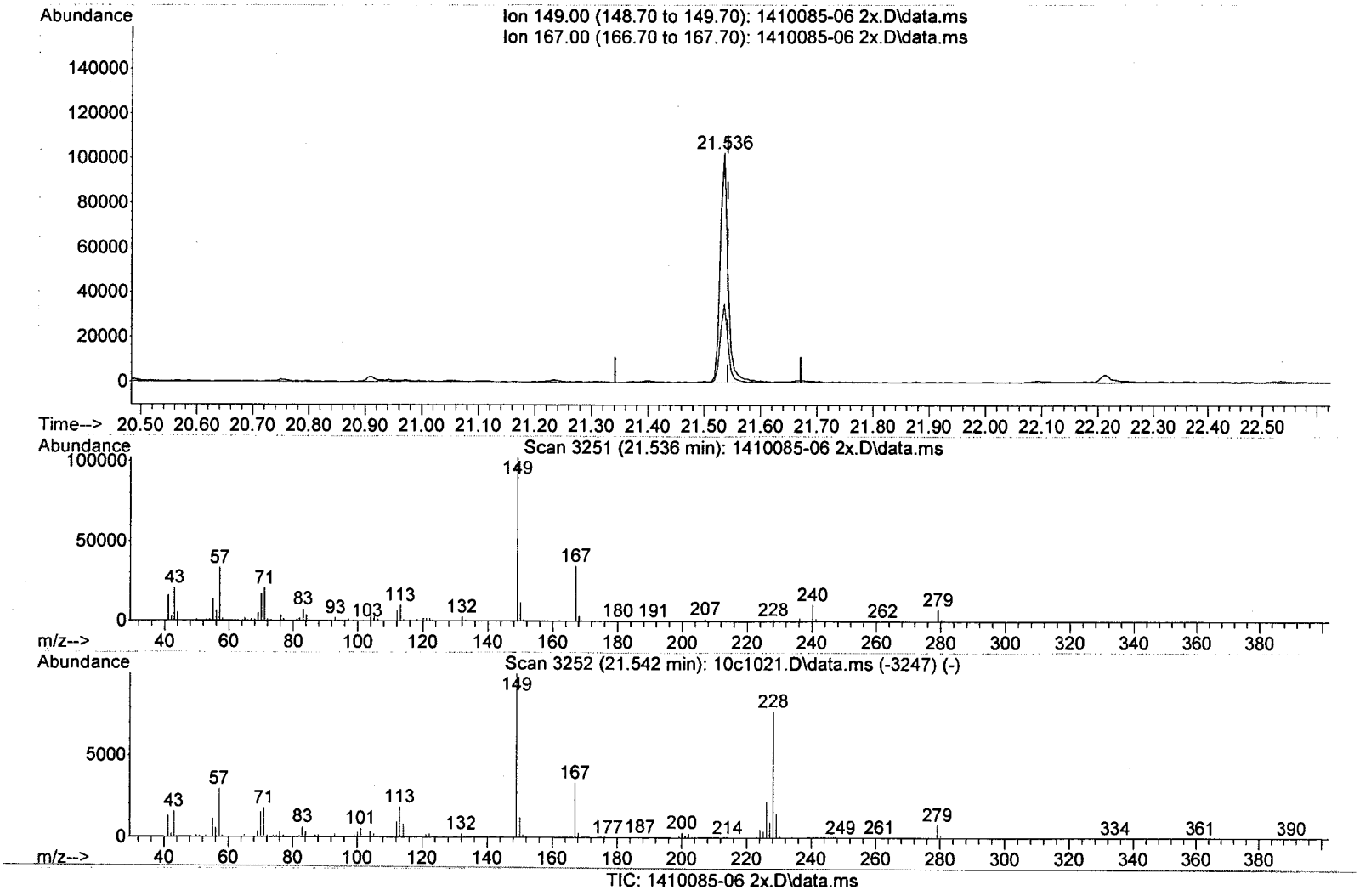
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.629	152	411637	5.00	ng/uL	# 0.02
8) Naphthalene-d8	10.351	136	1629371	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.460	164	909065	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.881	188	1470311	5.00	ng/uL	0.00
19) Chrysene-d12	21.501	240	1168194	5.00	ng/uL	# 0.00
22) Perylene-d12	23.174	264	753486	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.211	74	301	0.00	ng/uL#	1
3) Pyridine	3.170	79	129	0.00	ng/uL#	14
4) Aniline	0.000		0	N.D.		
5) Benzaldehyde	6.784	105	1431	0.02	ng/uL#	1
6) Acetophenone	8.468	105	2225	0.01	ng/uL	96
7) N-Nitroso-di-n-propyla...	8.485	70	748	0.01	ng/uL#	76
9) 4-Chloroaniline	10.549	127	286	0.01	ng/uL#	1
10) Caprolactam	11.324	55	2353	0.14	ng/uL#	35
12) 1,1'-Biphenyl	13.143	154	291	0.00	ng/uL#	40
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	16.127	169	152	0.00	ng/uL#	26
18) Atrazine	0.000		0	N.D.		
20) Benzidine	20.166	184	184	0.41	ng/uL#	1
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-06 2x.D
Acq On : 21 Oct 2014 20:21
Operator : JLB
Sample : 1410085-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 08:18:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.536min (-0.006) 0.70 ng/uL

response 98430

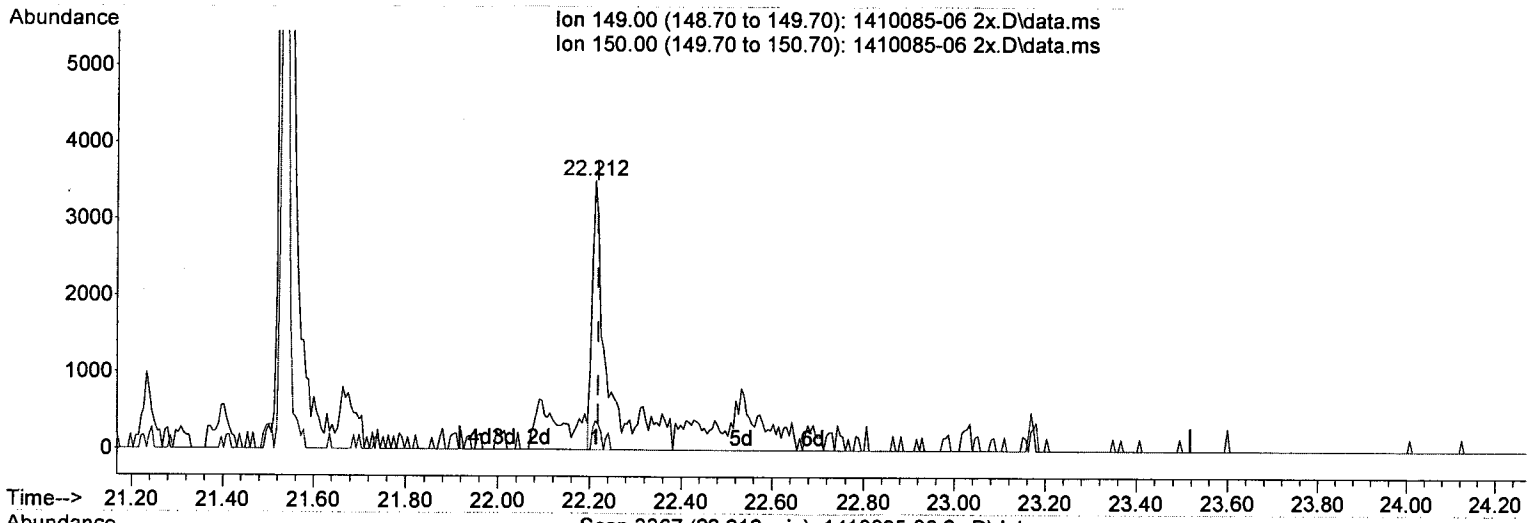
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.91
0.00	0.00	0.00
0.00	0.00	0.00

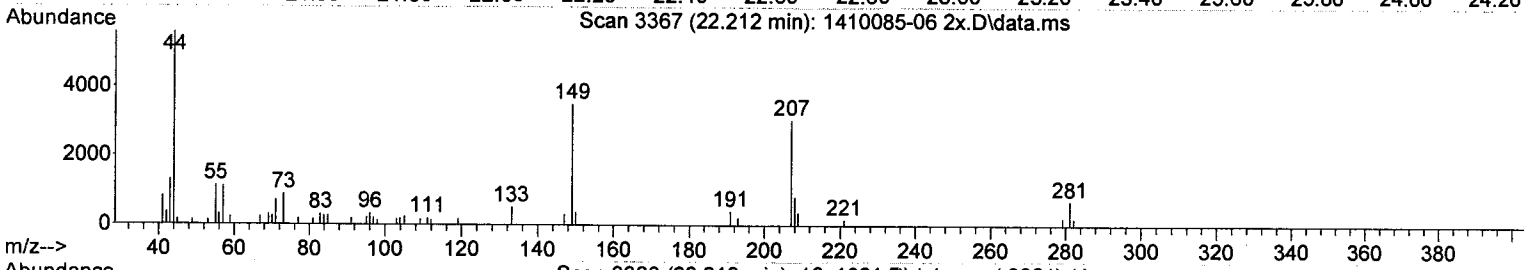
004015

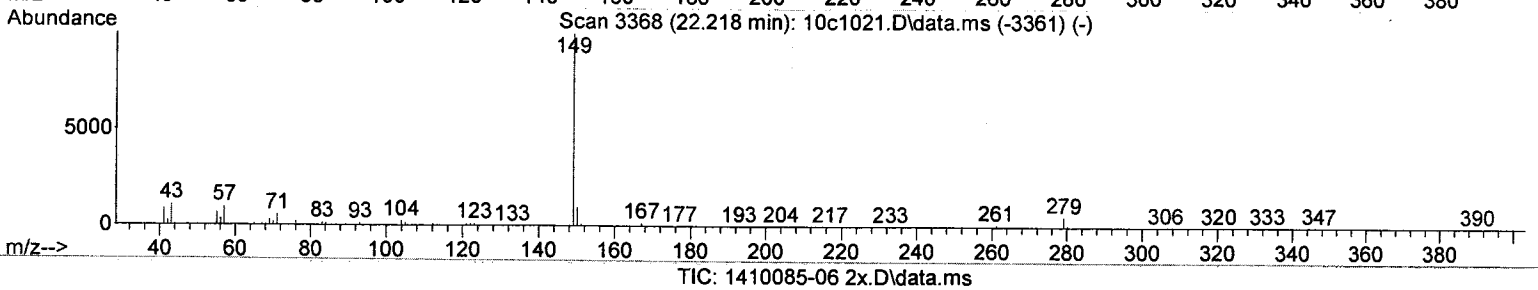
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-06 2x.D
Acq On : 21 Oct 2014 20:21
Operator : JLB
Sample : 1410085-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 08:18:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-06 2x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.37 ng/uL

response 8375

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	5.04#
0.00	0.00	0.00
0.00	0.00	0.00

DWS 10-22-14

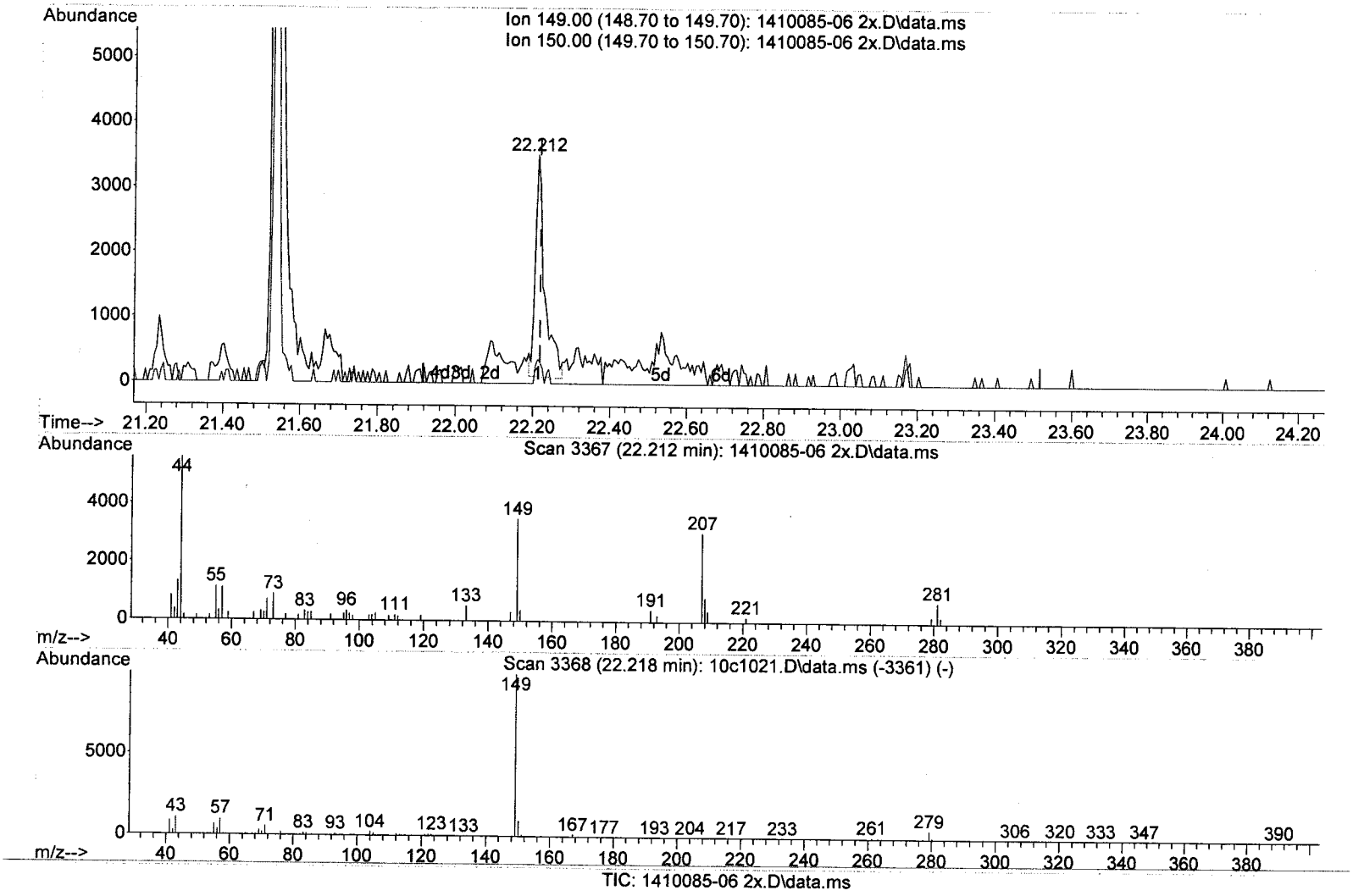
JLB 10/22/14

004018

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-06 2x.D
Acq On : 21 Oct 2014 20:21
Operator : JLB
Sample : 1410085-06 2x Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 22 08:18:09 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-06 2x.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.36 ng/uL m

response 5782

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	7.30#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: _____ Date: 10/22/14

Reviewed By: _____ Date: 10-22-14

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU017SB34-37DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-08 File ID: 1410085-08.D

Sampled: 10/01/14 09:36 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 22:29

Solids: 96.83 Preparation: 3550C Sonication Extract Initial/Final: 29.5 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.8	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	5.3	4.1	17	17	J
56-55-3	Benzo(a)anthracene	1	12	2.8	8.6	17	J
50-32-8	Benzo(a)pyrene	1	9.8	2.4	8.6	17	J
205-99-2	Benzo(b)fluoranthene	1	16	2.0	8.6	17	J
207-08-9	Benzo(k)fluoranthene	1	7.7	2.0	8.6	17	J
191-24-2	Benzo(g,h,i)perylene	1	3.5	2.0	8.6	34	J
65-85-0	Benzoic Acid	1	170	71	170	340	U
100-51-6	Benzyl Alcohol	1	17	4.8	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.2	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.2	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.2	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	69	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.6	3.8	8.6	17	U
91-58-7	2-Chloronaphthalene	1	17	5.1	17	17	U
95-57-8	2-Chlorophenol	1	17	4.1	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	11	4.0	17	17	J
53-70-3	Dibenz(a,h)anthracene	1	8.6	2.0	8.6	34	U
132-64-9	Dibenzofuran	1	17	5.1	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	69	U
106-46-7	1,4-Dichlorobenzene	1	17	5.0	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	690	290	690	860	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	5.3	5.0	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.9	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	69	22	69	170	U
51-28-5	2,4-Dinitrophenol	1	170	58	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.6	4.1	8.6	17	U
121-14-2	2,4-Dinitrotoluene	1	8.6	3.4	8.6	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU017SB34-37DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-08 File ID: 1410085-08.D

Sampled: 10/01/14 09:36 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 22:29

Solids: 96.83 Preparation: 3550C Sonication Extract Initial/Final: 29.5 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	13	4.0	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.6	3.5	8.6	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	460	12	17	34	
206-44-0	Fluoranthene	1	26	4.6	17	17	
86-73-7	Fluorene	1	17	4.2	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.2	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	4.2	2.8	8.6	34	J
78-59-1	Isophorone	1	17	4.0	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.6	3.8	8.6	17	U
95-48-7	2-Methylphenol	1	8.6	3.7	8.6	17	U
91-20-3	Naphthalene	1	17	5.8	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.6	3.7	8.6	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.8	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	110	340	690	U
62-75-9	N-Nitroso-dimethylamine	1	6.9	3.4	6.9	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.6	3.6	8.6	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.2	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	22	4.2	17	17	
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	22	4.5	17	17	
120-82-1	1,2,4-Trichlorobenzene	1	17	4.6	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.6	2.6	8.6	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	700	377	54	33 - 113	
Phenol-d6	700	407	58	30 - 115	
Nitrobenzene-d5	350	198	57	33 - 131	
2-Fluorobiphenyl	350	199	57	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU017SB34-37DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-08
File ID: 1410085-08.D
Sampled: 10/01/14 09:36
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 22:29
Solids: 96.83
Preparation: 3550C Sonication Extract
Initial/Final: 29.5 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21047
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	700	331	47	12 - 124	
o-Terphenyl	350	202	58	20 - 155	

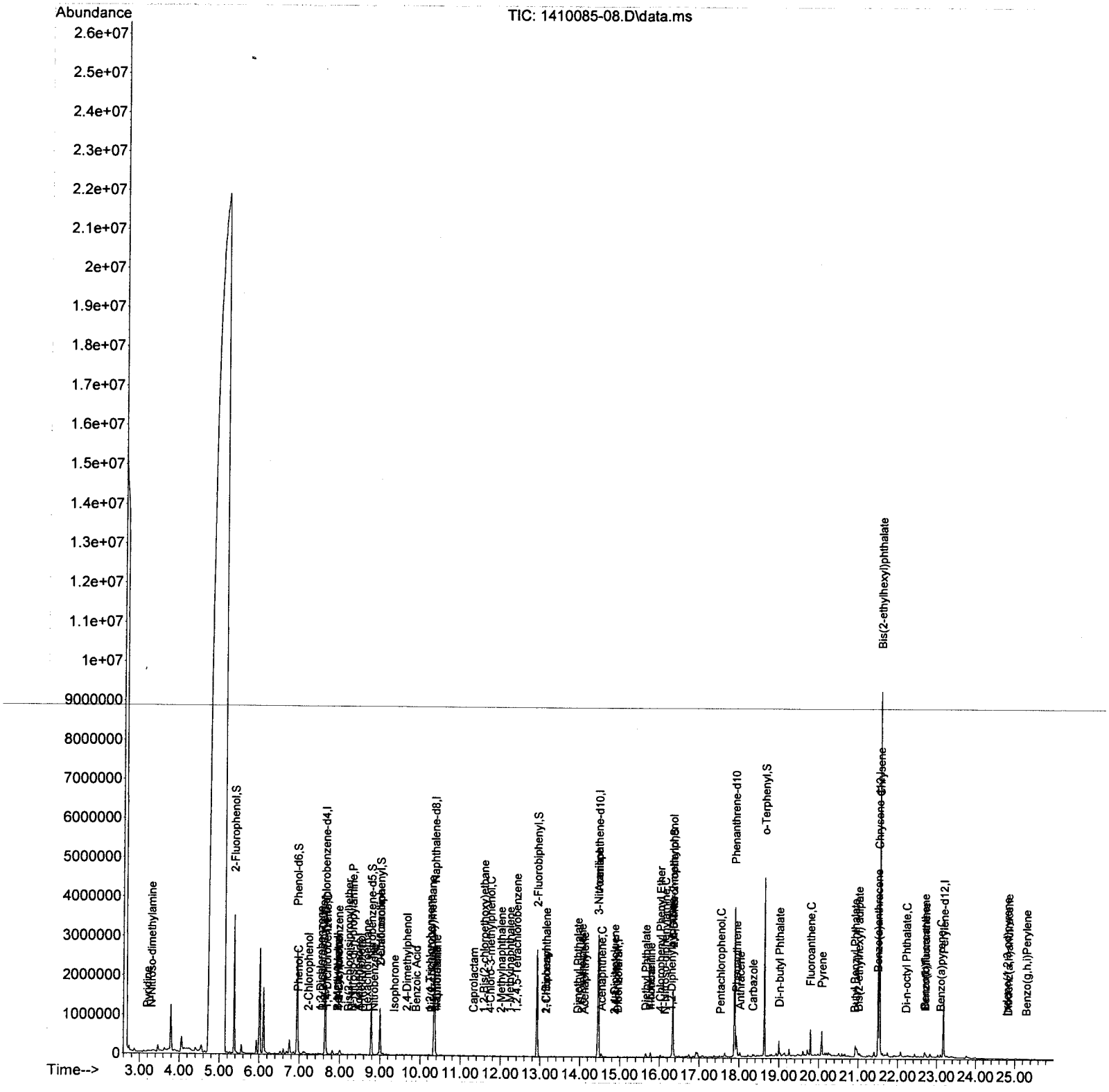
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	572341	7.64	403279	7.614	
Naphthalene-d8	2286905	10.356	1529030	10.359	
Acenaphthene-d10	1306815	14.46	866604	14.474	
Phenanthrene-d10	2159257	17.887	1400442	17.901	
Chrysene-d12	1648285	21.501	1153654	21.538	
Perylene-d12	845889	23.174	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:24:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:24:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.640	152	572341	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.356	136	2286905	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.460	164	1306815	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.887	188	2159257	5.00	ng/uL	0.00
81) Chrysene-d12	21.501	240	1648285	5.00	ng/uL	# 0.00
89) Perylene-d12	23.174	264	845889	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.379	112	1407982	10.77	ng/uL	0.19
6) Phenol-d6	6.952	99	1968345	11.63	ng/uL	0.03
21) Nitrobenzene-d5	8.783	82	825983	5.65	ng/uL	0.00
23) Decafluorobiphenyl	9.004	334	514913	5.02	ng/uL	0.00
47) 2-Fluorobiphenyl	12.927	172	1533915	5.68	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.342	330	309990	9.46	ng/uL	-0.01
78) o-Terphenyl	18.639	230	1070613	5.78	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.298	74	781	0.01	ng/uL	86
3) Pyridine	3.193	79	284	0.00	ng/uL	86
5) Aniline	0.000		0	N.D.		
7) Phenol	6.970	94	2655	0.01	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.582	93	832	0.01	ng/uL#	1
9) 2-Chlorophenol	7.221	128	333	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.518	146	3638	0.02	ng/uL#	10
11) 1,4-Dichlorobenzene	7.675	146	1712	0.01	ng/uL	92
12) 1,2-Dichlorobenzene	7.967	146	3038	0.02	ng/uL#	69
13) Bis(2-chloroisipropyl)...	8.211	45	2308	0.01	ng/uL#	84
14) Benzyl Alcohol	7.943	108	1875	0.02	ng/uL#	75
15) 2-Methylphenol	7.943	108	1875	0.01	ng/uL#	1
16) Acetophenone	8.468	105	1678	0.01	ng/uL#	74
17) Hexachloroethane	8.666	119	415	0.01	ng/uL#	13
18) 4-Methylphenol	8.515	108	348	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.316	70	1074	0.01	ng/uL	92
22) Nitrobenzene	8.841	77	141	0.00	ng/uL#	1
24) Isophorone	9.354	82	1144	0.00	ng/uL#	64
25) 2-Chloroaniline	8.998	127	7077	0.04	ng/uL#	62
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.663	107	58	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	10.286	93	118	0.00	ng/uL	92
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.896	105	143	~~2.46~~	ng/uL#	1
31) 1,2,4-Trichlorobenzene	10.240	180	1914	0.01	ng/uL	81
32) Naphthalene	10.397	128	22527	0.05	ng/uL	97
33) 4-Chloroaniline	10.403	127	2306	0.02	ng/uL#	76
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.324	55	8733	0.13	ng/uL#	40
37) 1,2-Bis(2-chloroethoxy...	11.580	63	139	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.744	107	210	0.00	ng/uL#	1
39) 2-Methylnaphthalene	12.012	142	5729	0.02	ng/uL#	94
40) 1-Methylnaphthalene	12.233	142	3356	0.01	ng/uL#	92
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:24:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.408	216	62	0.00 ng/uL#	18
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.148	162	535	0.00 ng/uL#	23
49) 1,1'-Biphenyl	13.143	154	3004	0.01 ng/uL#	76
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.110	152	271	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.052	165	394	0.01 ng/uL#	4
53) Dimethyl Phthalate	13.947	163	876	0.00 ng/uL#	33
54) 3-Nitroaniline	14.454	138	109	0.00 ng/uL#	1
55) Acenaphthene	14.536	153	34094	0.12 ng/uL	99
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.949	168	18852	0.05 ng/uL	98
58) 4-Nitrophenol	14.903	65	183	0.00 ng/uL#	15
59) 2,4-Dinitrotoluene	14.862	165	277	0.00 ng/uL#	34
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.765	166	25749	0.09 ng/uL#	95
63) Diethyl Phthalate	15.649	149	38698	0.15 ng/uL	95
64) 4-Chlorophenyl Phenyl ...	16.016	204	1722	0.01 ng/uL#	8
65) 4-Nitroaniline	15.771	138	133	0.00 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.337	198	886	1.00 ng/uL#	1
68) N-Nitroso-diphenylamine	16.133	169	488	0.00 ng/uL#	63
69) 1,2-Diphenylhydrazine	16.302	182	205	0.00 ng/uL	79
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.531	266	934	0.02 ng/uL#	1
75) Phenanthrene	17.928	178	267912	0.64 ng/uL	100
76) Anthracene	18.021	178	59845	0.15 ng/uL	96
77) Carbazole	18.342	167	35632	0.10 ng/uL	99
79) Di-n-butyl Phthalate	19.012	149	12865	0.03 ng/uL#	87
80) Fluoroanthene	19.793	202	294193	0.74 ng/uL	98
82) Pyrene	20.084	202	240685	0.62 ng/uL#	90
83) Butyl Benzyl Phthalate	20.912	149	3332	0.02 ng/uL	98
84) Bis(2-ethylhexyl) adipate	21.005	129	2235	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.489	228	101785	0.34 ng/uL#	88
86) Chrysene	21.530	228	93485	0.32 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.536	149	2590059	13.10 ng/uL	93
88) Di-n-octyl Phthalate	22.212	149	5895m	0.36 ng/uL	
90) Benzo(b)fluoroanthene	22.684	252	72459m	0.47 ng/uL	
91) Benzo(k)fluoranthene	22.701	252	37697m	0.22 ng/uL	
92) Benzo(a)pyrene	23.098	252	41066	0.28 ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.794	276	14595	0.12 ng/uL#	86
94) Dibdenz(a,h)anthracene	24.829	278	3644m	0.04 ng/uL	
95) Benzo(g,h,i)Perylene	25.289	276	10799	0.10 ng/uL#	66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 07:57:32 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

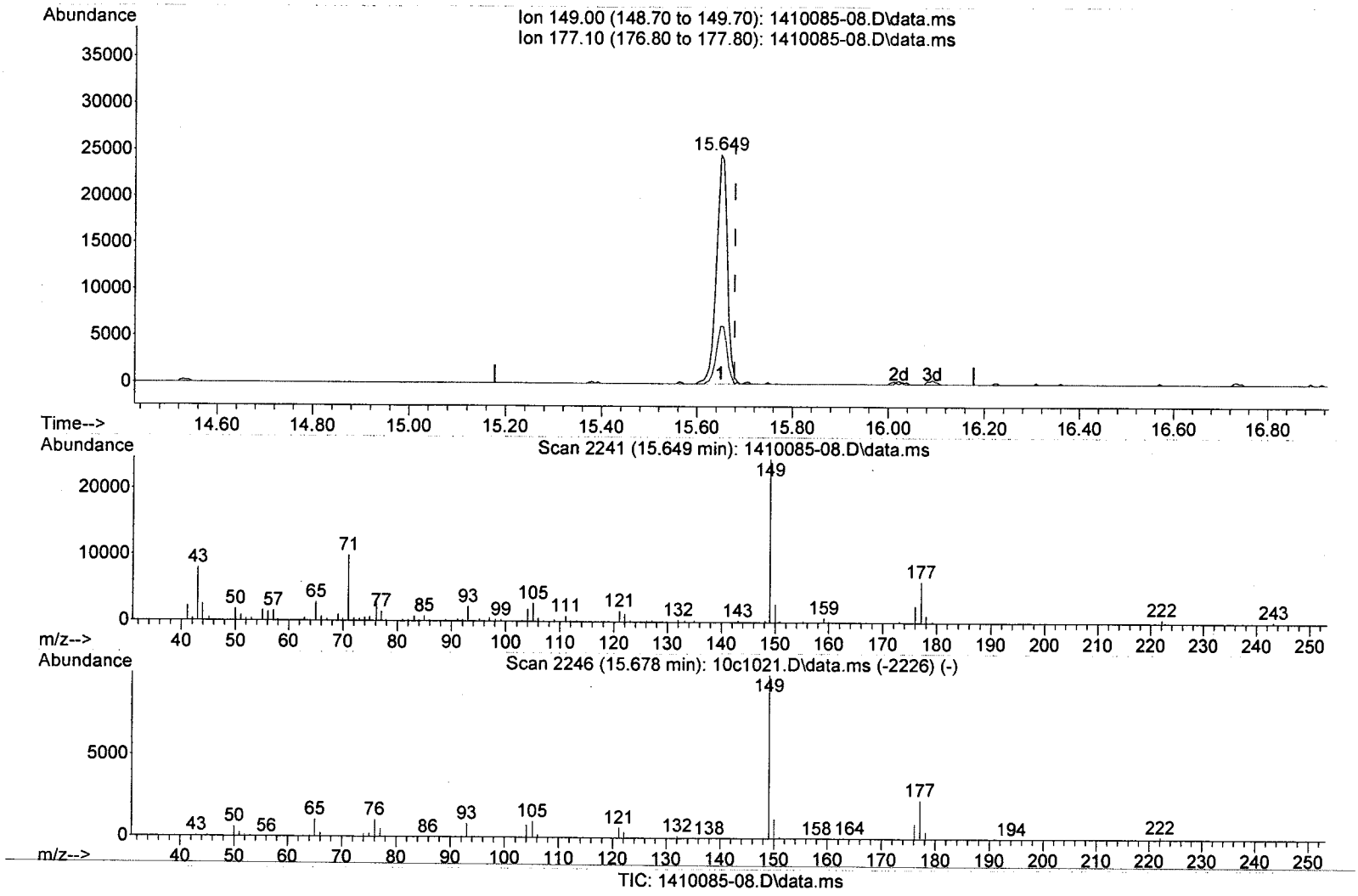
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.640	152	569743	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.356	136	2286905	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.460	164	1301409	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.887	188	2159257	5.00	ng/uL		0.00
19) Chrysene-d12	21.501	240	1648285	5.00	ng/uL	#	0.00
22) Perylene-d12	23.174	264	845889	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.995	74	3794	0.04	ng/uL		89
3) Pyridine	3.193	79	284	0.00	ng/uL		86
4) Aniline	0.000		0	N.D.			
5) Benzaldehyde	6.813	105	2162	0.02	ng/uL	#	1
6) Acetophenone	8.468	105	1678	0.01	ng/uL	#	74
7) N-Nitroso-di-n-propyla...	8.503	70	1489	0.01	ng/uL		86
9) 4-Chloroaniline	10.549	127	589	0.01	ng/uL	#	1
10) Caprolactam	11.324	55	2556	0.13	ng/uL	#	20
12) 1,1'-Biphenyl	13.143	154	3004	0.01	ng/uL	#	76
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	14.454	138	109	Below Cal		#	1
15) 4-Nitroaniline	15.771	138	133	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.133	169	488	0.00	ng/uL	#	63
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.026	184	124	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.827	252	111	0.00	ng/uL		85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(63) Diethyl Phthalate

15.649min (-0.029) 0.15 ng/uL

response 38698

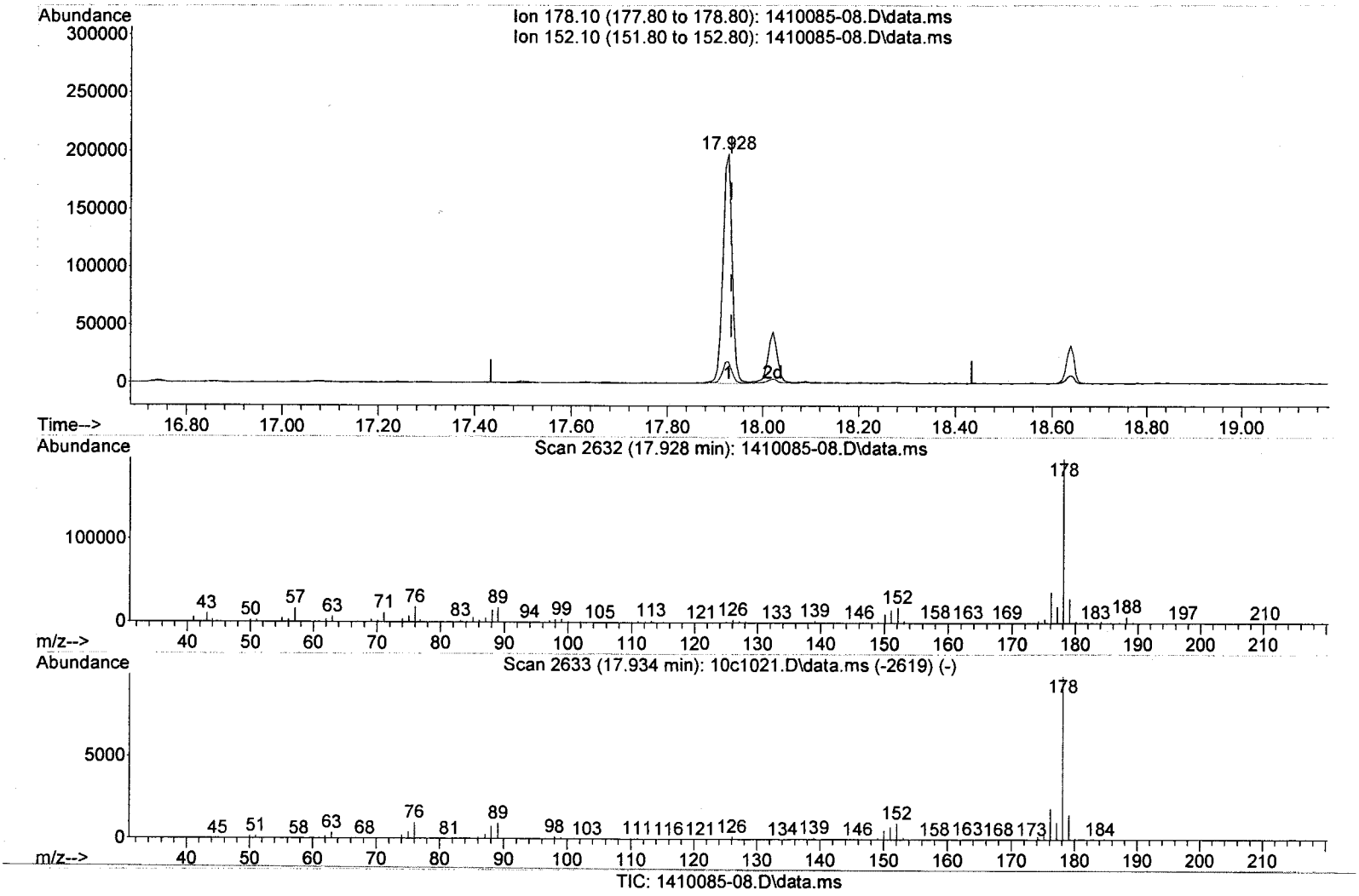
Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	25.09
0.00	0.00	0.00
0.00	0.00	0.00

004025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(75) Phenanthrene

17.928min (-0.006) 0.64 ng/uL

response 267912

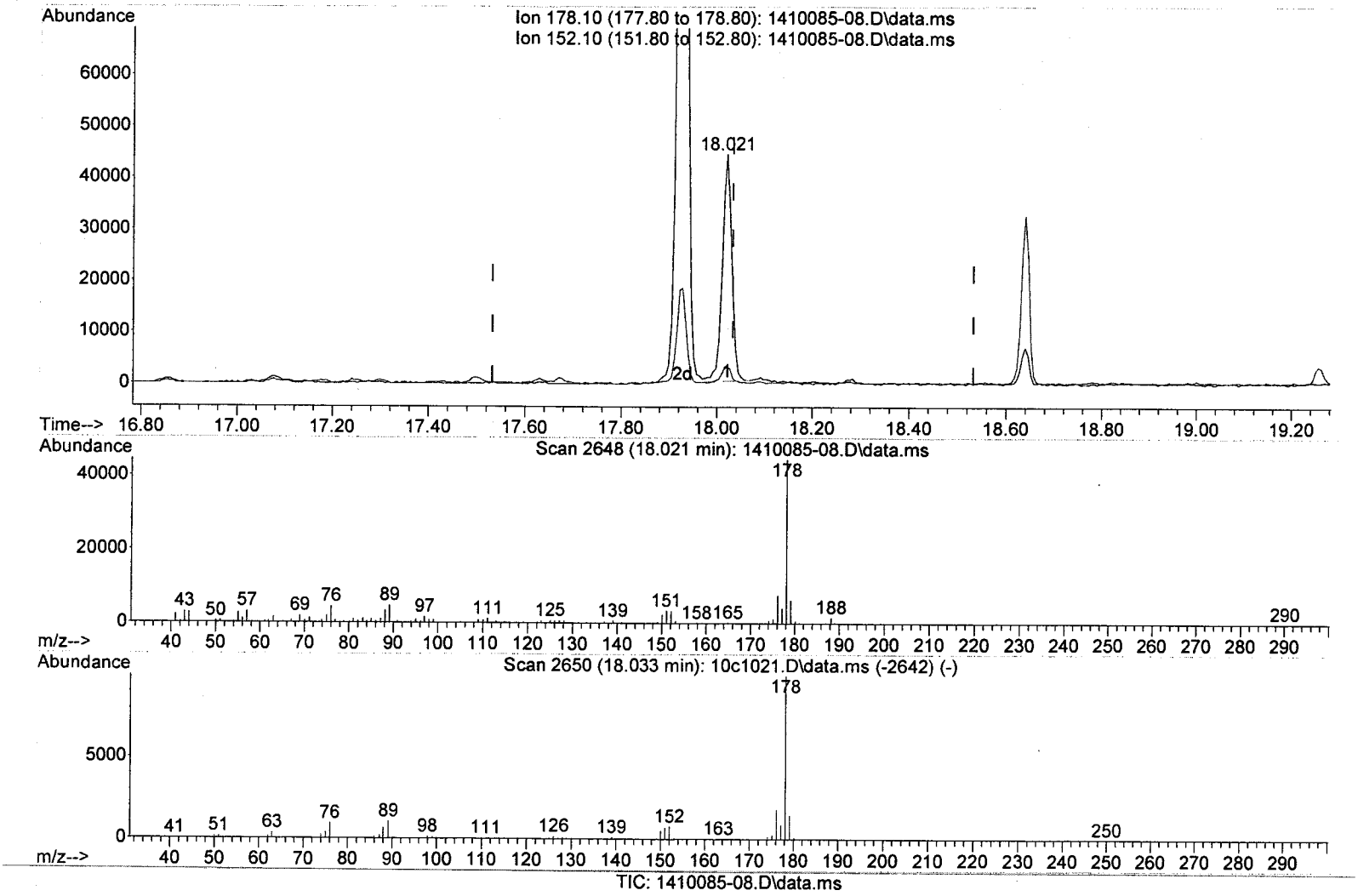
Ion	Exp%	Act%
178.10	100.00	100.00
152.10	10.10	10.07
0.00	0.00	0.00
0.00	0.00	0.00

001026

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(76) Anthracene

18.021min (-0.012) 0.15 ng/uL

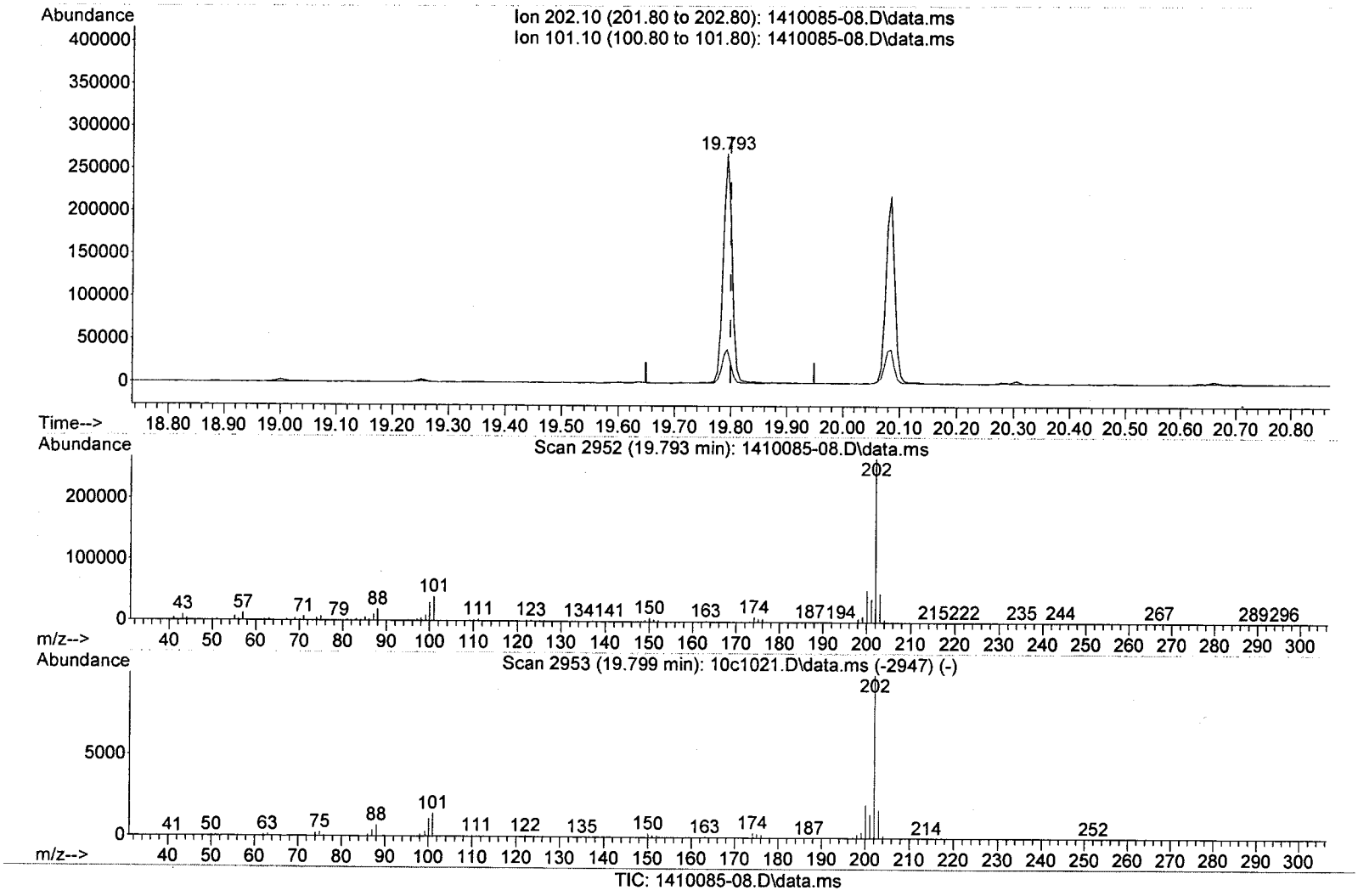
response 59845

Ion	Exp%	Act%
178.10	100.00	100.00
152.10	7.90	9.18
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(80) Fluoroanthene (C)

19.793min (-0.006) 0.74 ng/uL

response 294193

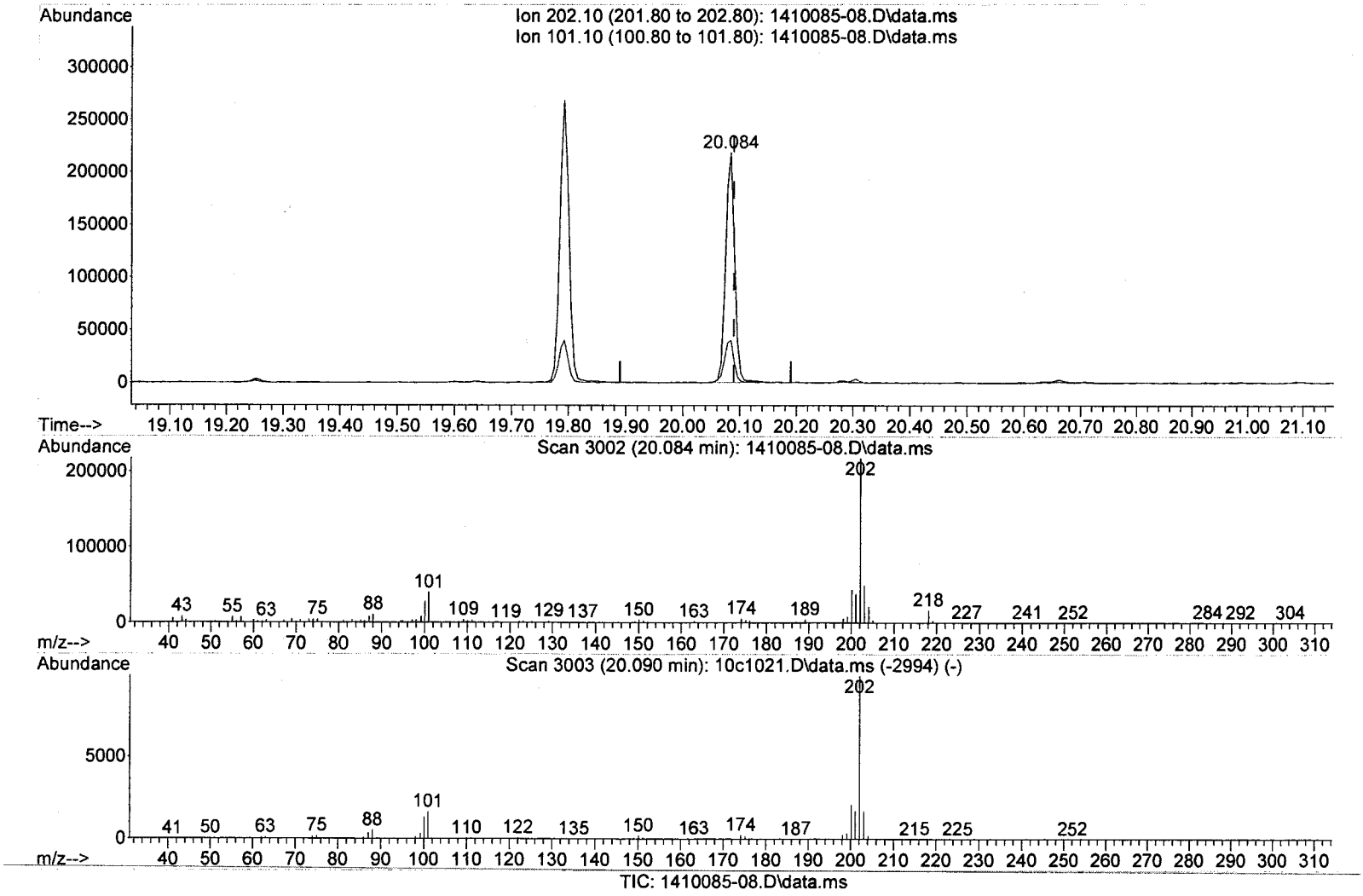
Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.20	15.15
0.00	0.00	0.00
0.00	0.00	0.00

004028

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(82) Pyrene

20.084min (-0.006) 0.62 ng/uL

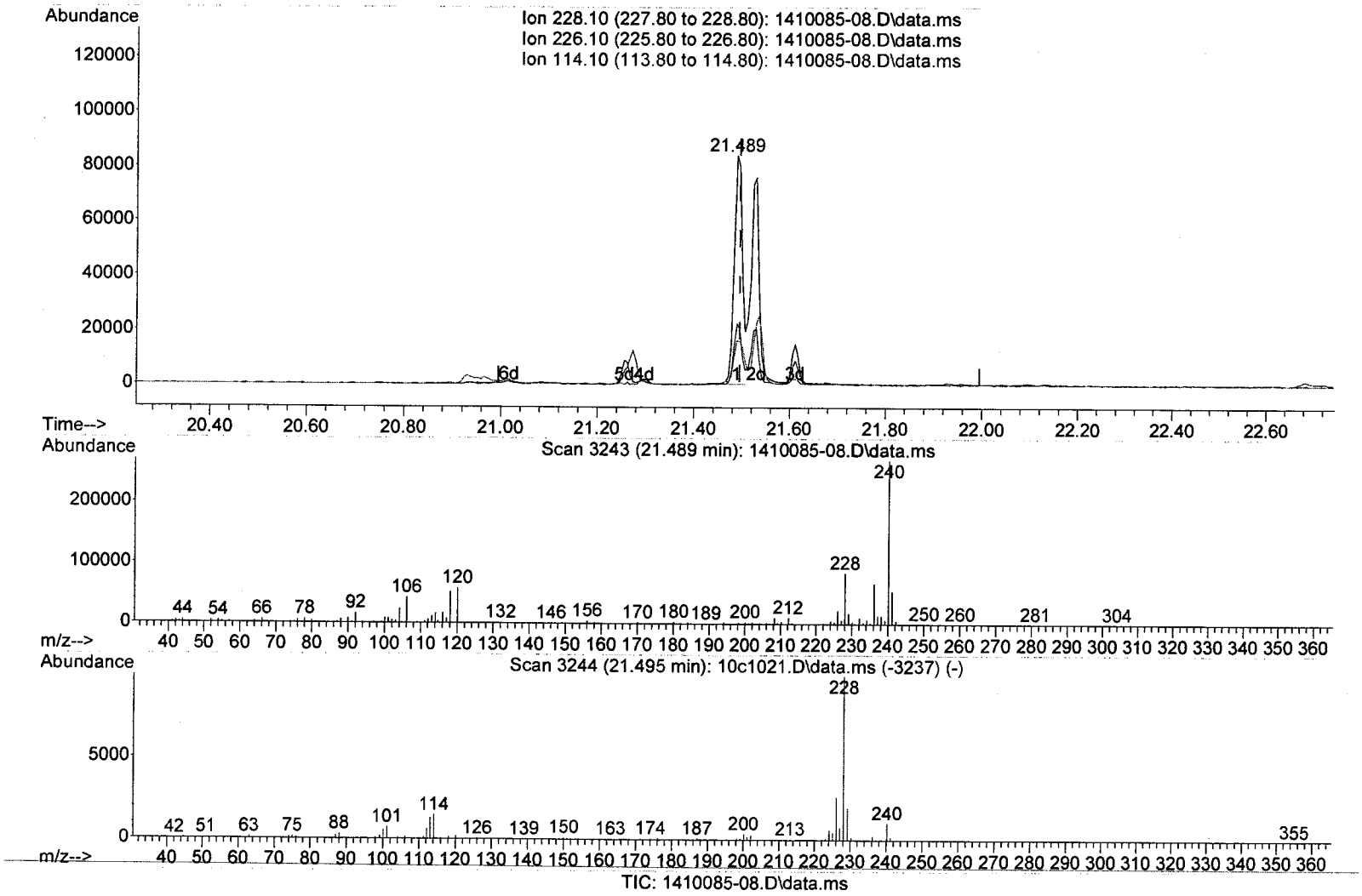
response 240685

Ion	Exp%	Act%
202.10	100.00	100.00
101.10	16.00	20.25#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(85) Benzo(a)anthracene

21.489min (-0.006) 0.34 ng/uL

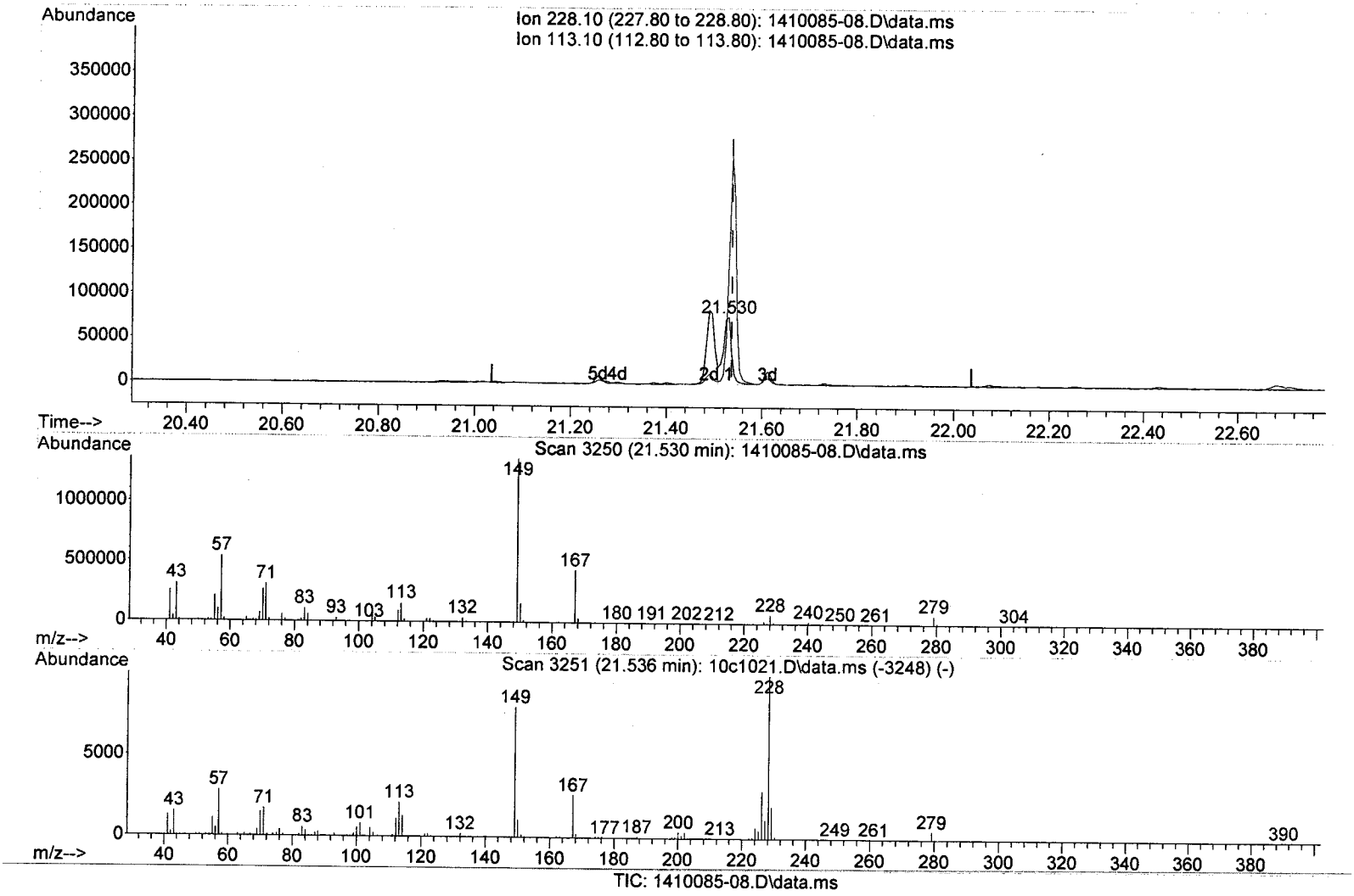
response 101785

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	26.70
114.10	13.30	26.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(86) Chrysene

21.530min (-0.006) 0.32 ng/uL

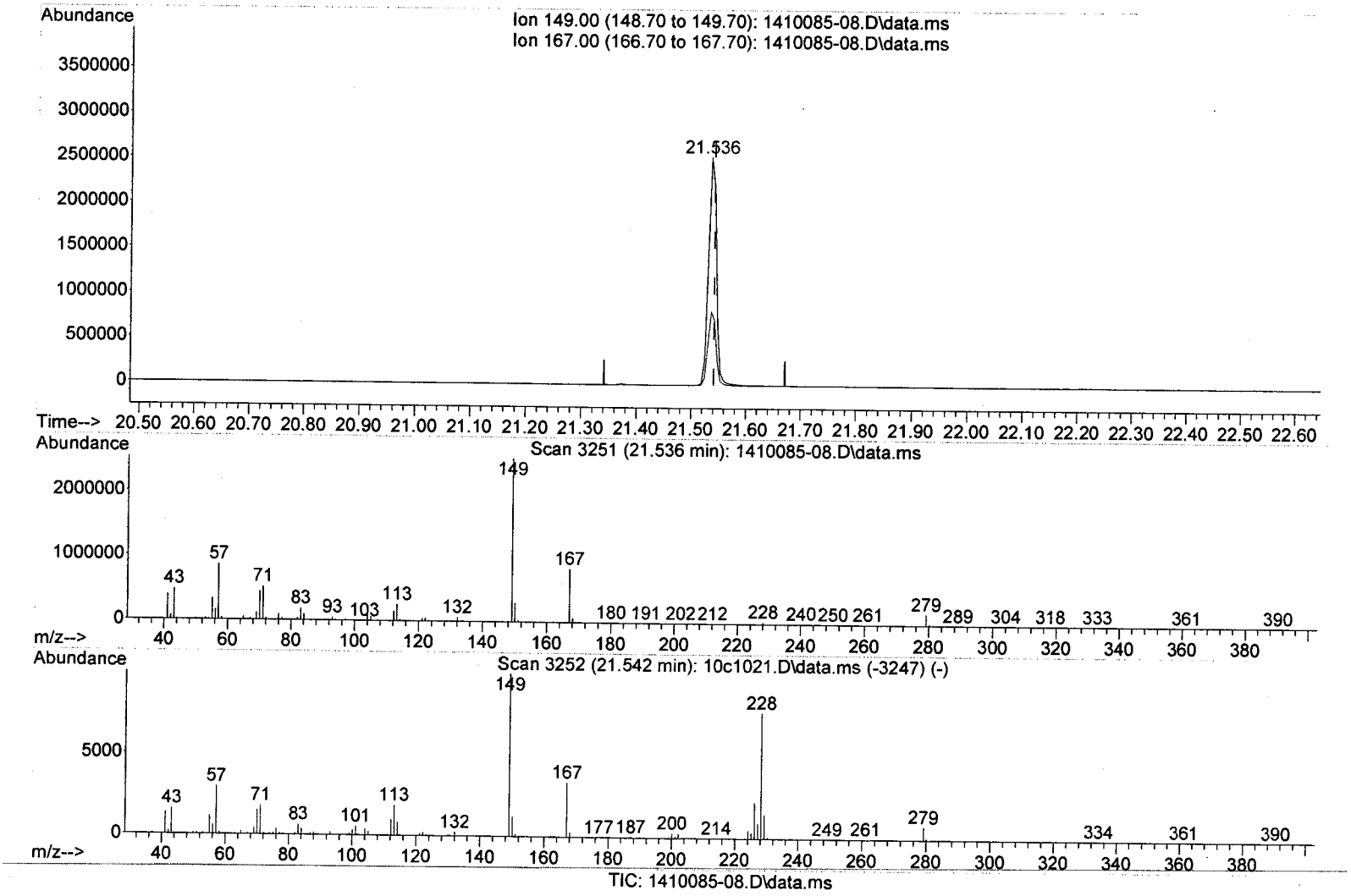
response 93485

Ion	Exp%	Act%
228.10	100.00	100.00
113.10	16.00	291.25#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.536min (-0.006) 13.10 ng/uL

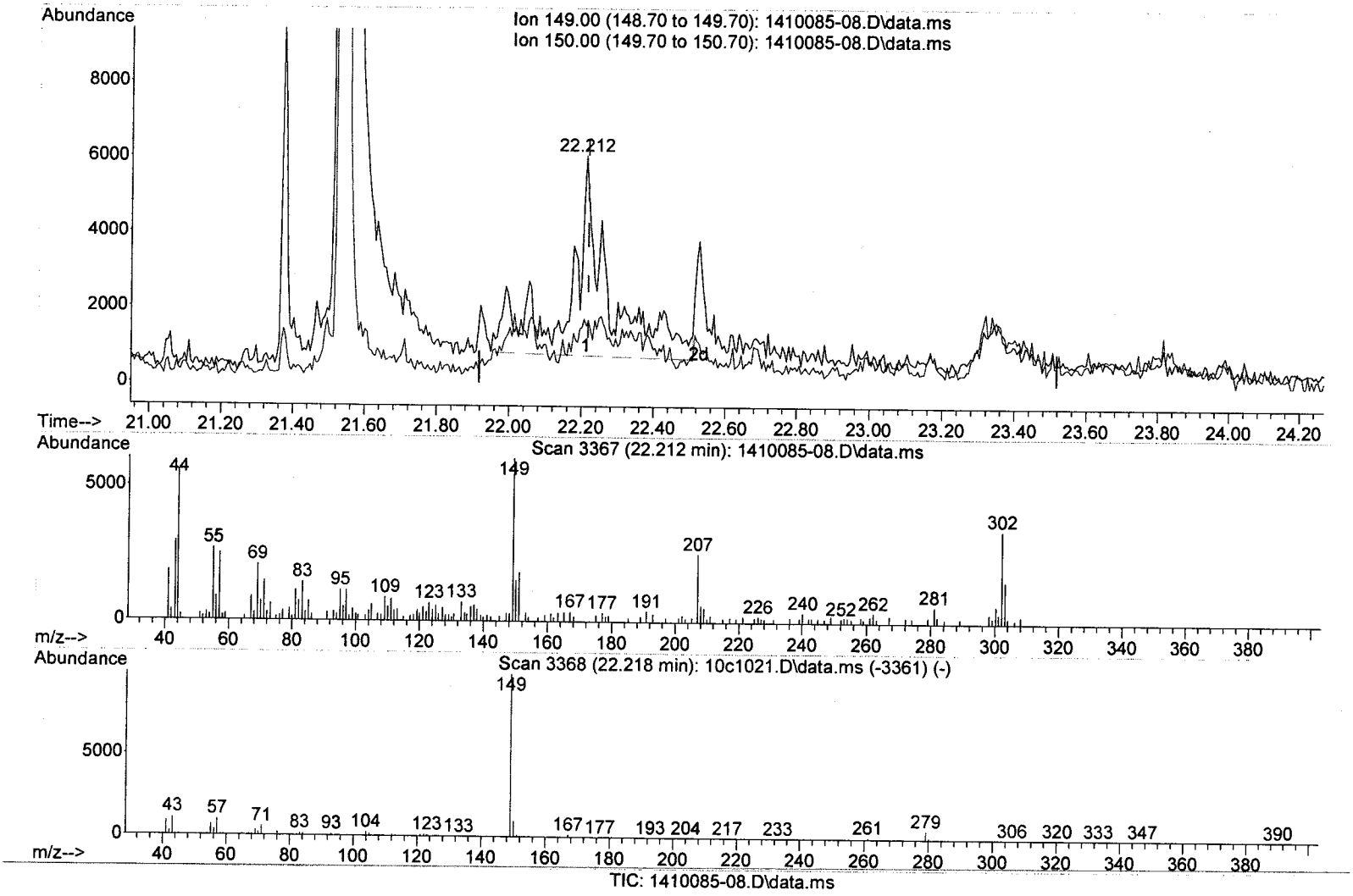
response 2590059

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.01
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.45 ng/uL

response 40104

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	6.70#
0.00	0.00	0.00
0.00	0.00	0.00

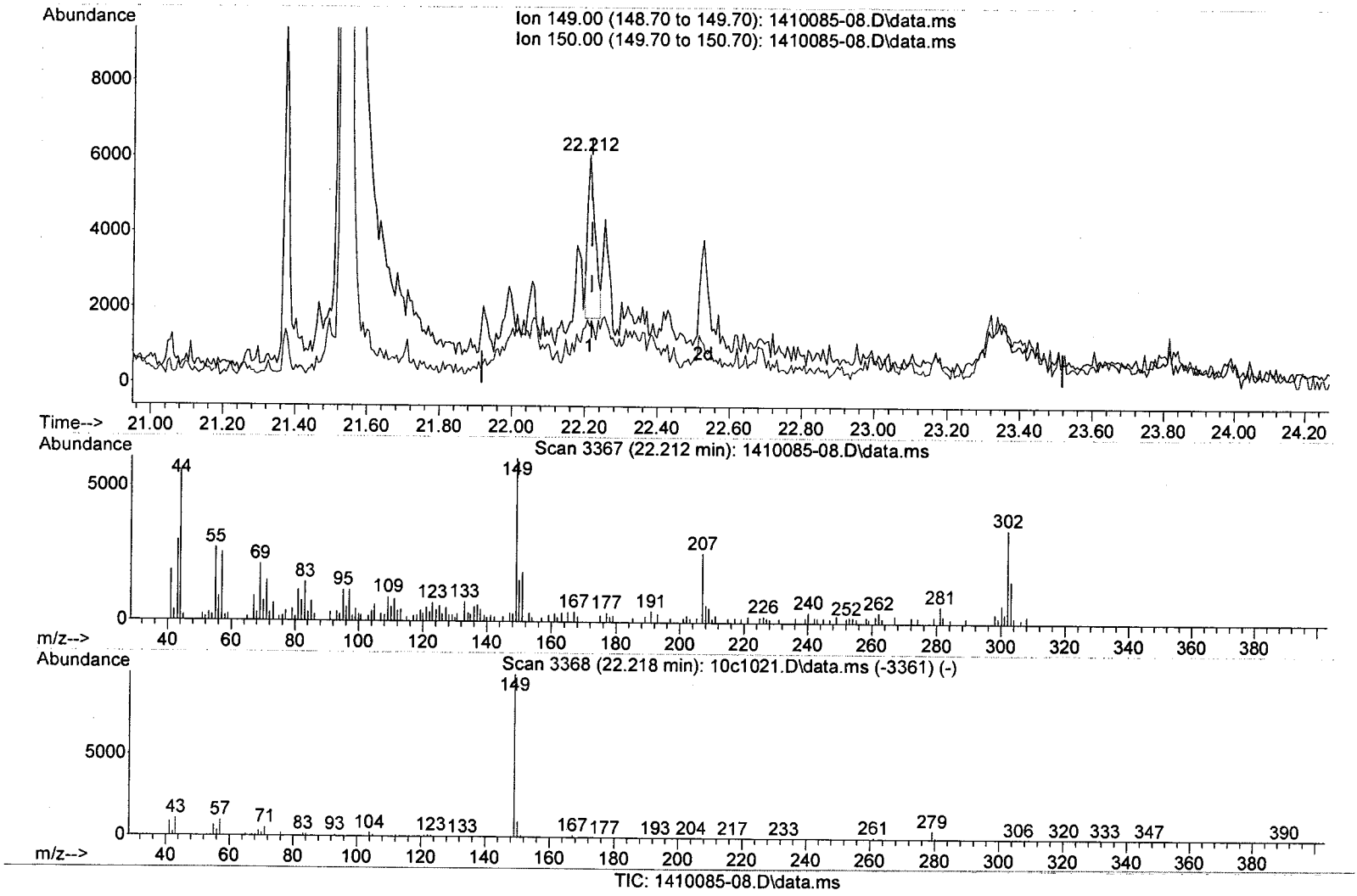
DWS 10-22-14

JW 10/22/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.36 ng/uL m

response 5895

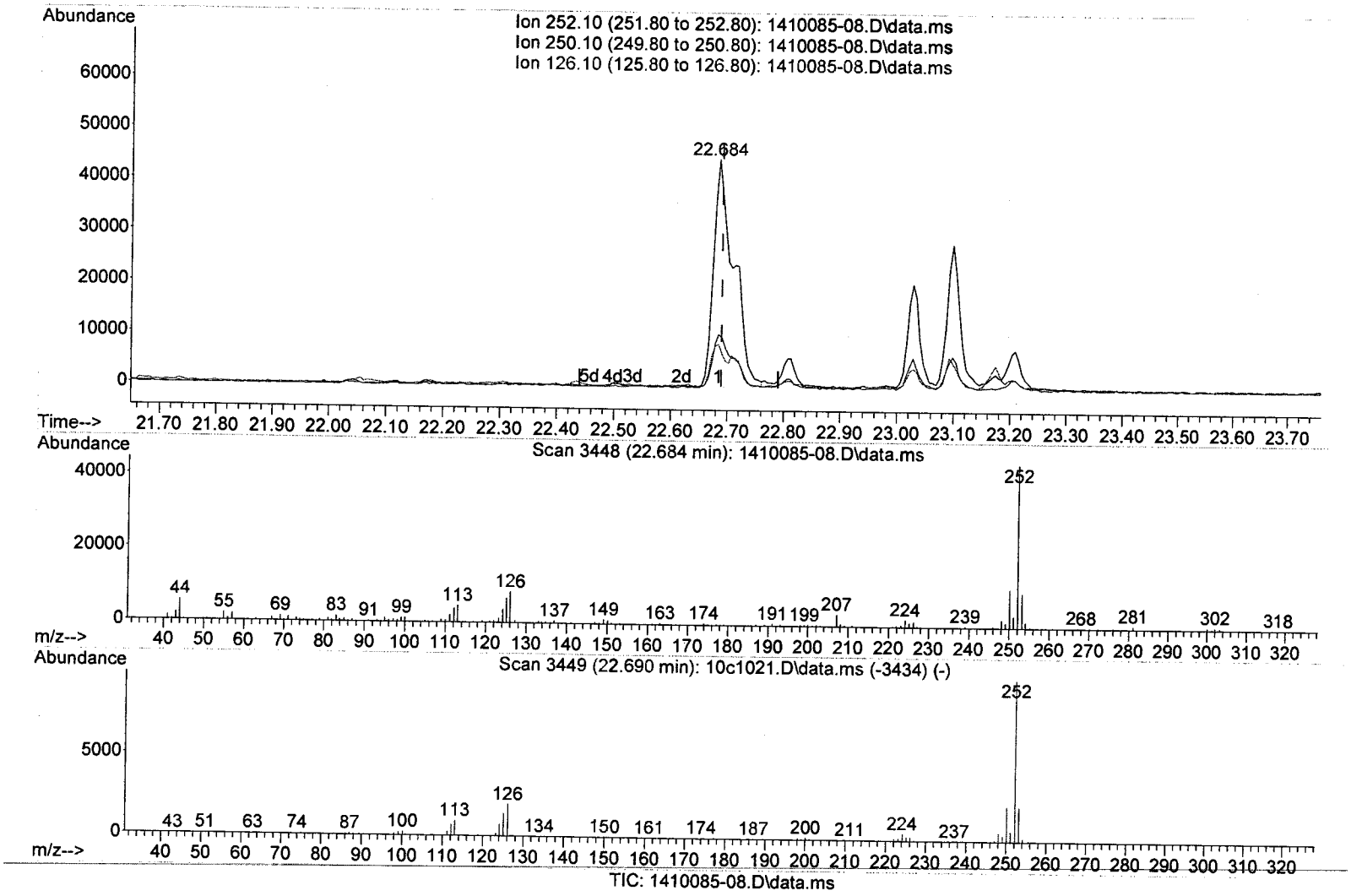
Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	45.55#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 3: Incorrect baseline drawn by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/22/14
Reviewed By: DAC Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(90) Benzo(b)fluoroanthene

22.684min (-0.006) 0.71 ng/uL

response 108563

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	24.50
126.10	17.20	13.38#
0.00	0.00	0.00

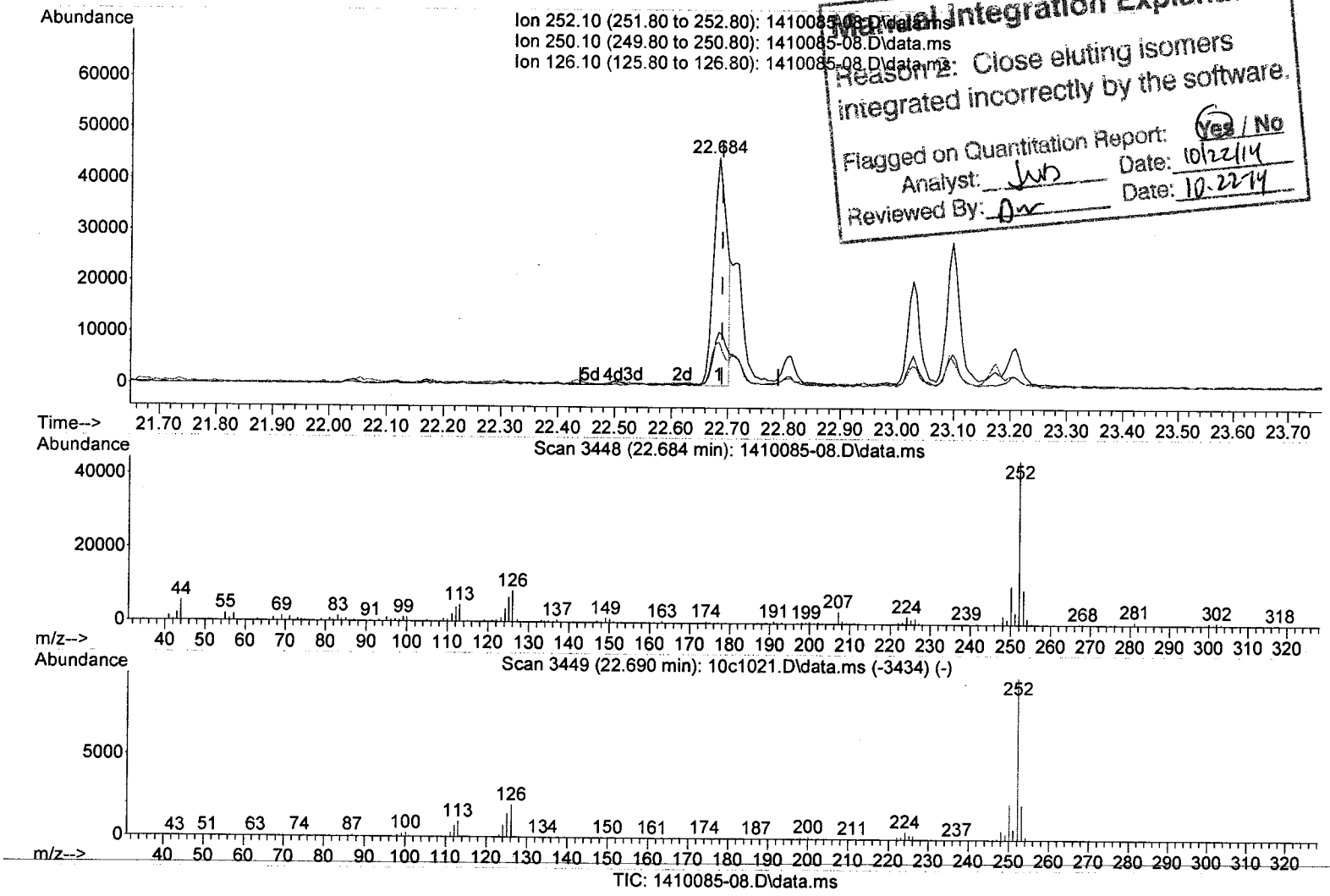
JWS 10/22/14

DWS 10.22.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: Yes / No
Analyst: Date: 10/22/14
Reviewed By: Date: 10.22.14

(90) Benzo(b)fluoroanthene

22.684min (-0.006) 0.47 ng/uL m

response 72459

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	36.70#
126.10	17.20	20.04
0.00	0.00	0.00

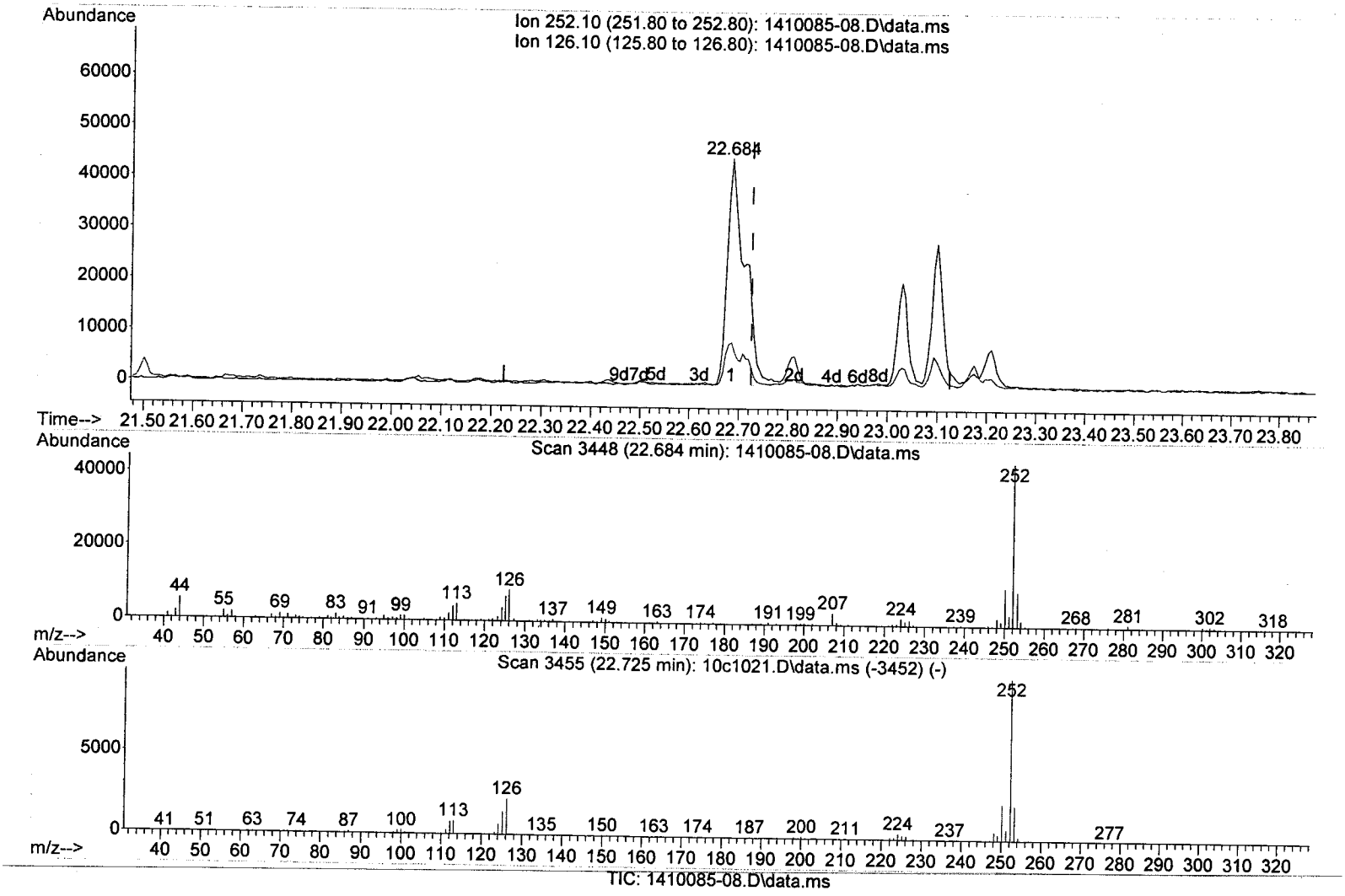
Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: Date:
Reviewed By: Date:

10/22/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.684min (-0.041) 0.63 ng/uL

response 109897

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	13.22#
0.00	0.00	0.00
0.00	0.00	0.00

DWB 10-22-14

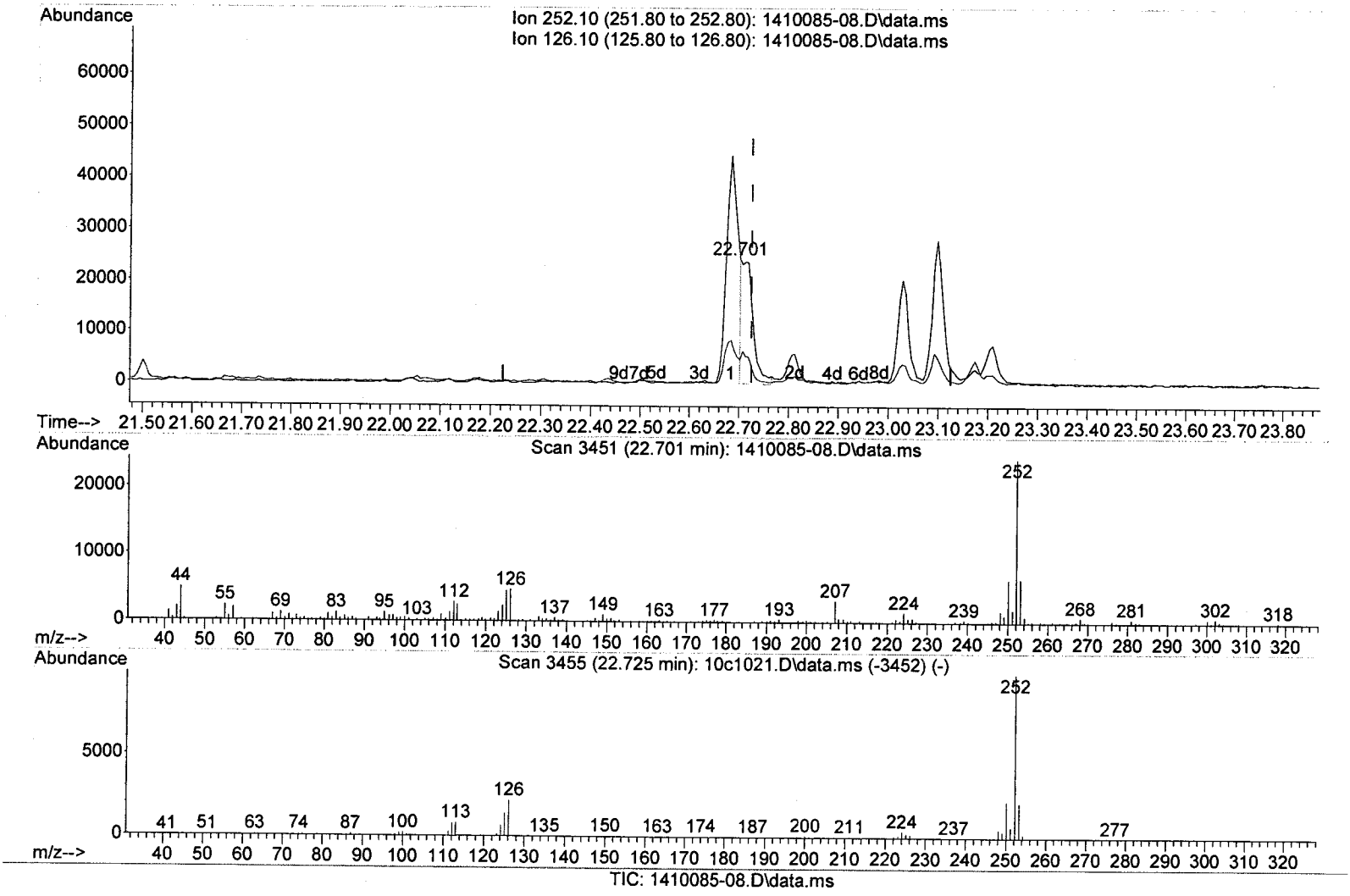
JLB 10/22/14

004037

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.701min (-0.023) 0.22 ng/uL m

response 37697

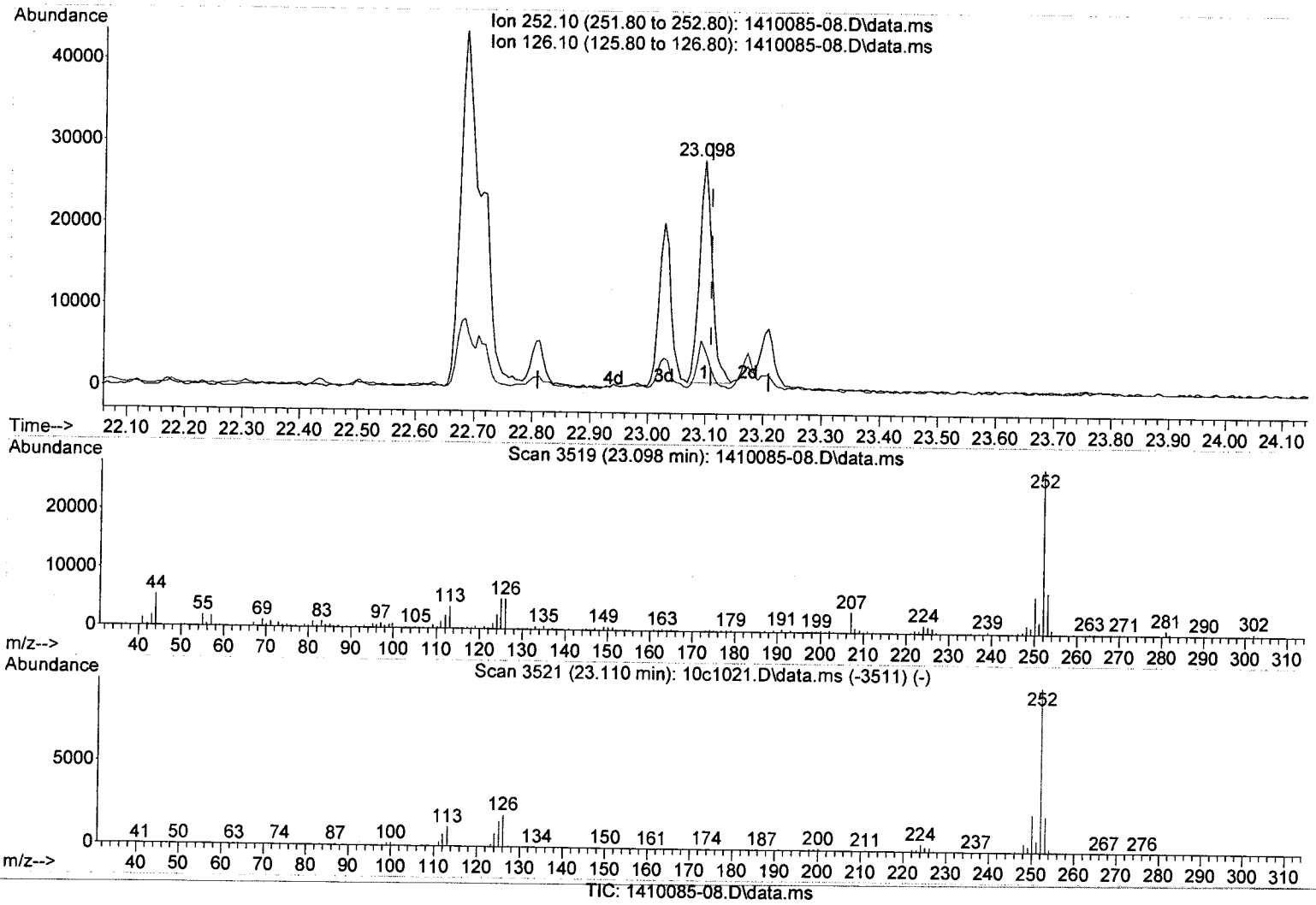
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	38.53#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 2: Close eluting isomers integrated incorrectly by the software.
Flagged on Quantitation Report: (Yes / No)
Analyst: _____ Date: 10/22/14
Reviewed By: _____ Date: 10-22-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-08.D\data.ms

(92) Benzo(a)pyrene (C)

23.098min (-0.012) 0.28 ng/uL

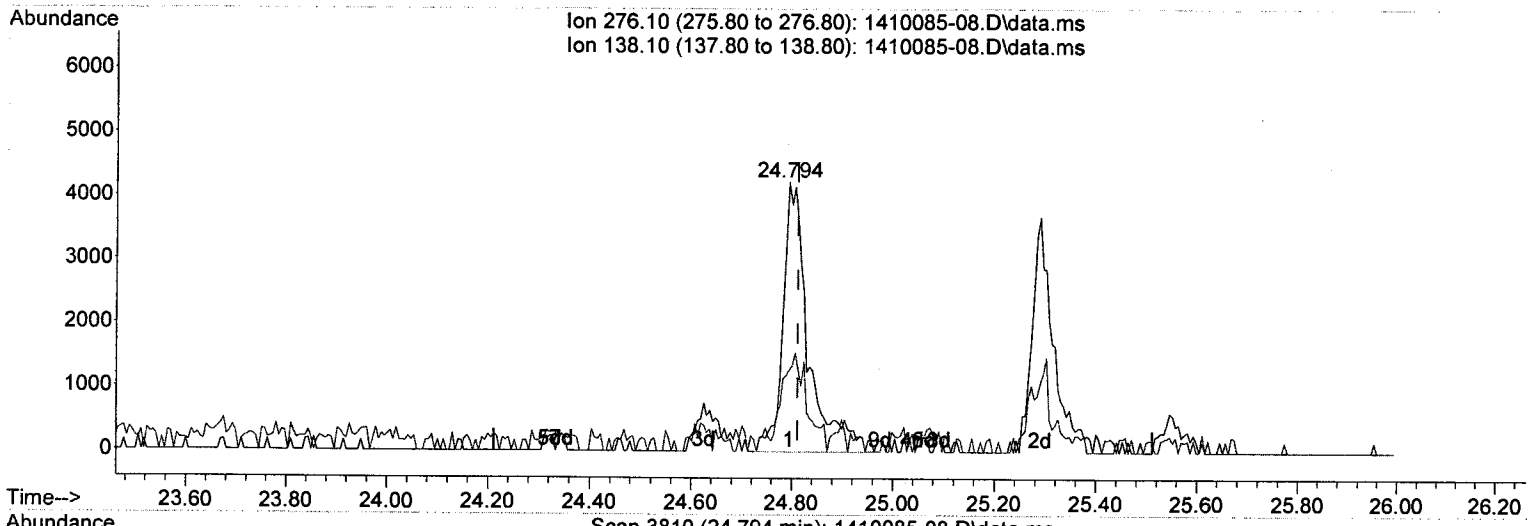
response 41066

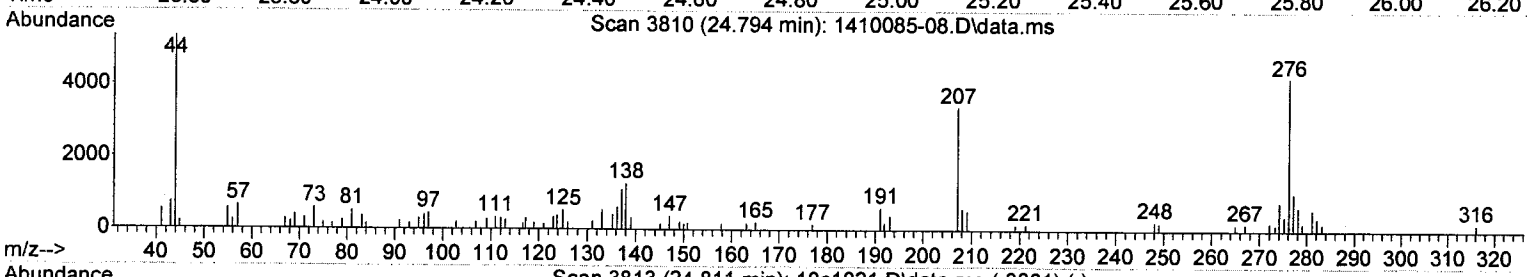
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	20.40
0.00	0.00	0.00
0.00	0.00	0.00

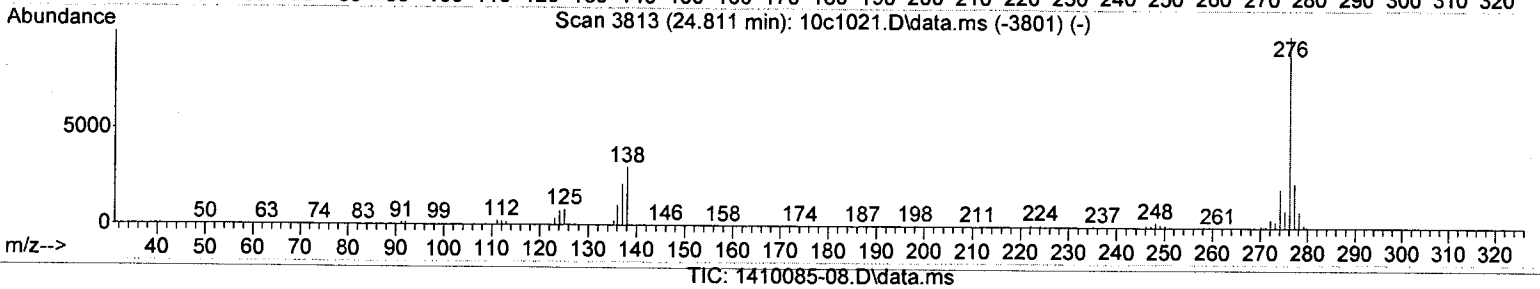
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-08.D\data.ms

(93) Indeno(1,2,3-cd)pyrene

24.794min (-0.018) 0.12 ng/uL

response 14595

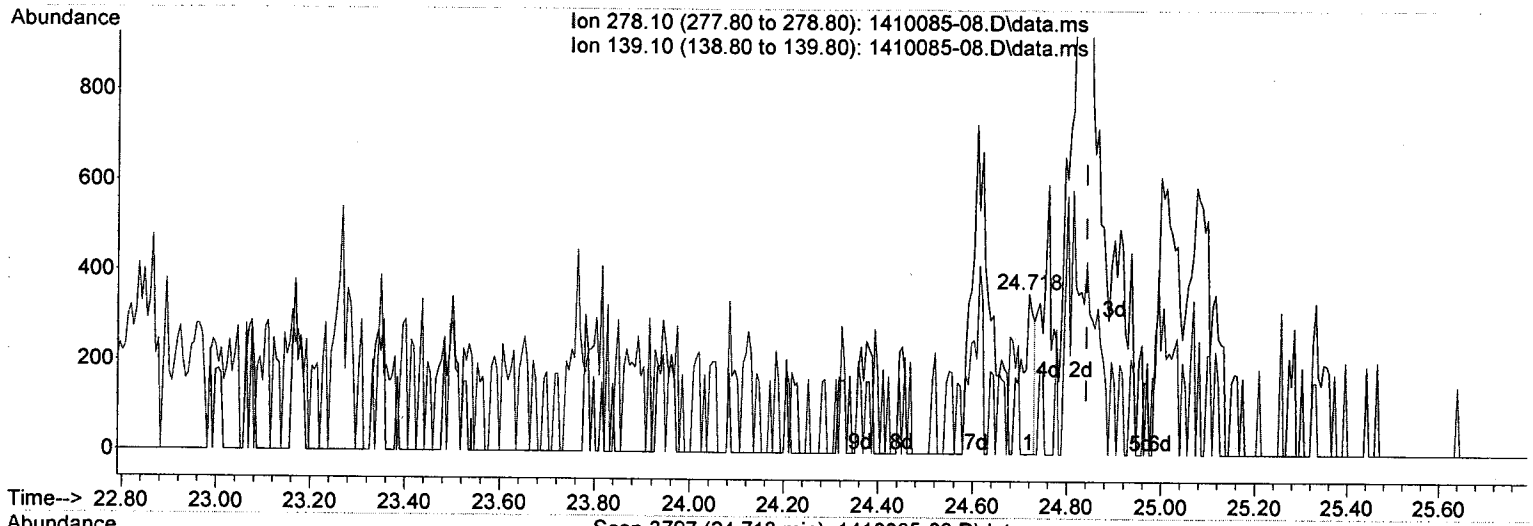
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	36.14#
0.00	0.00	0.00
0.00	0.00	0.00

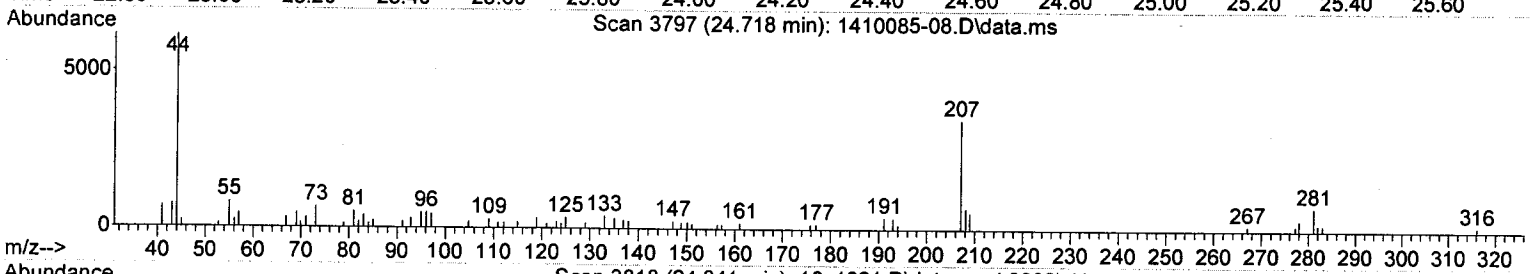
004040

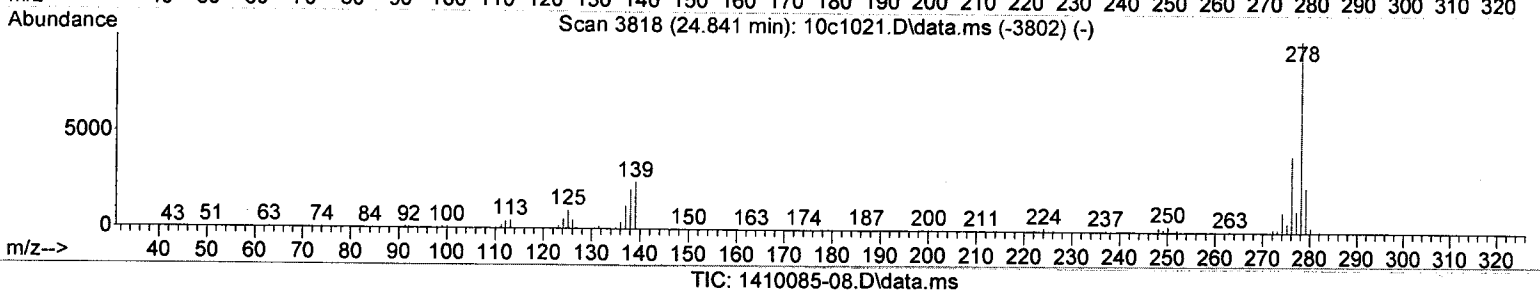
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-08.D\data.ms

(94) Dibdenz(a,h)anthracene

24.718min (-0.122) 0.01 ng/uL

response 654

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	19.72
0.00	0.00	0.00
0.00	0.00	0.00

DW 10-22-14

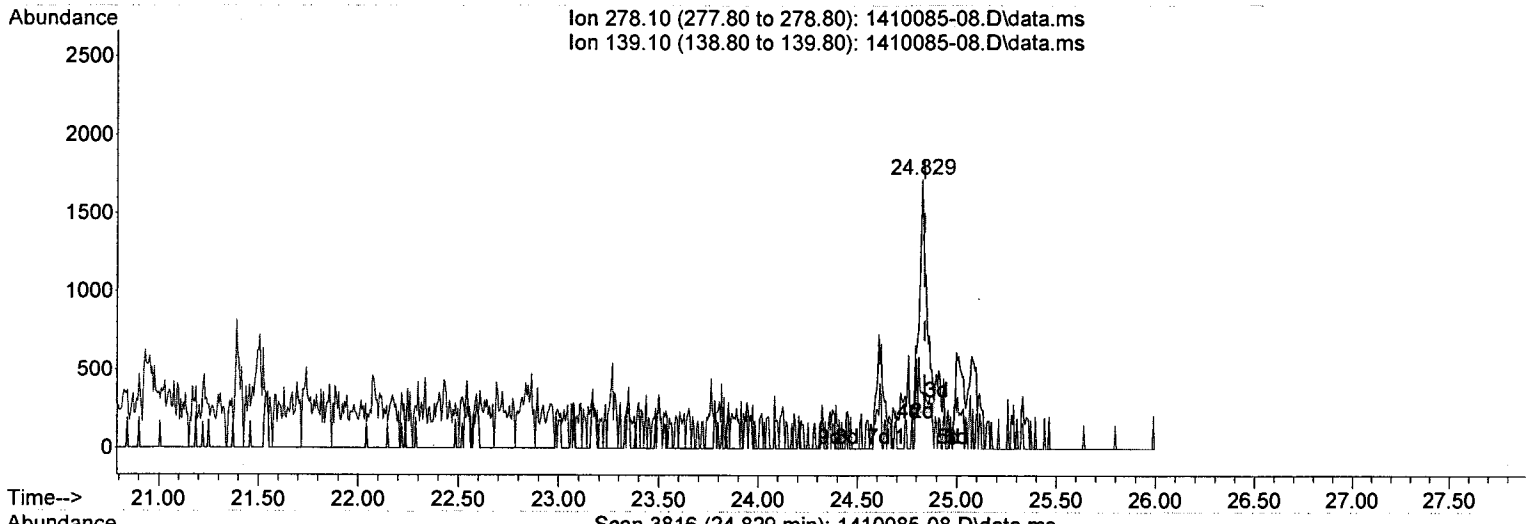
JS 10/22/14

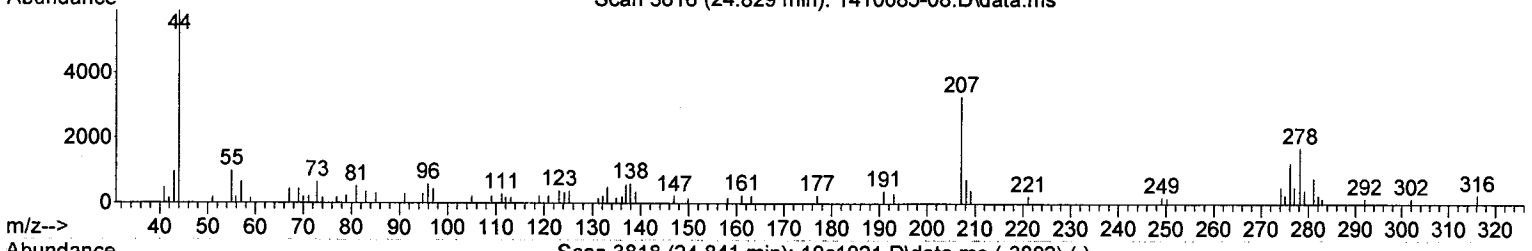
004041

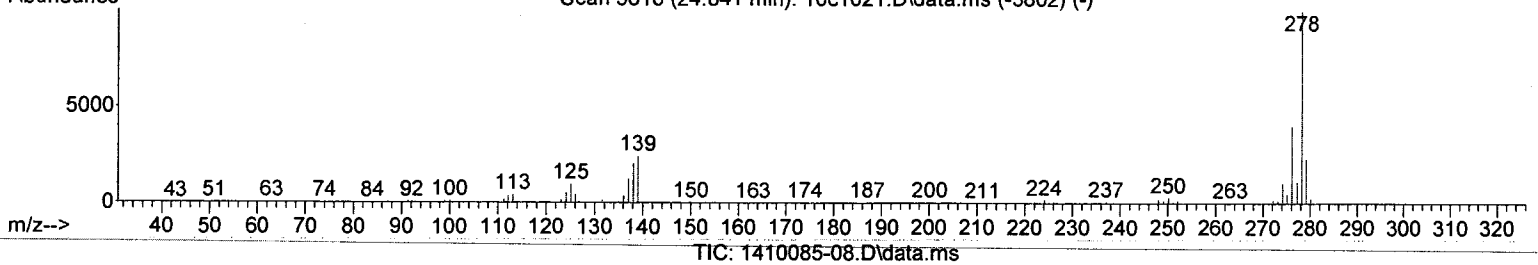
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-08.D\data.ms

(94) Dibdenz(a,h)anthracene

24.829min (-0.012) 0.04 ng/uL m

response 3644

Ion	Exp%	Act%
278.10	100.00	100.00
139.10	17.20	3.54#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/22/14
Reviewed By: Dnc Date: 10-22-14

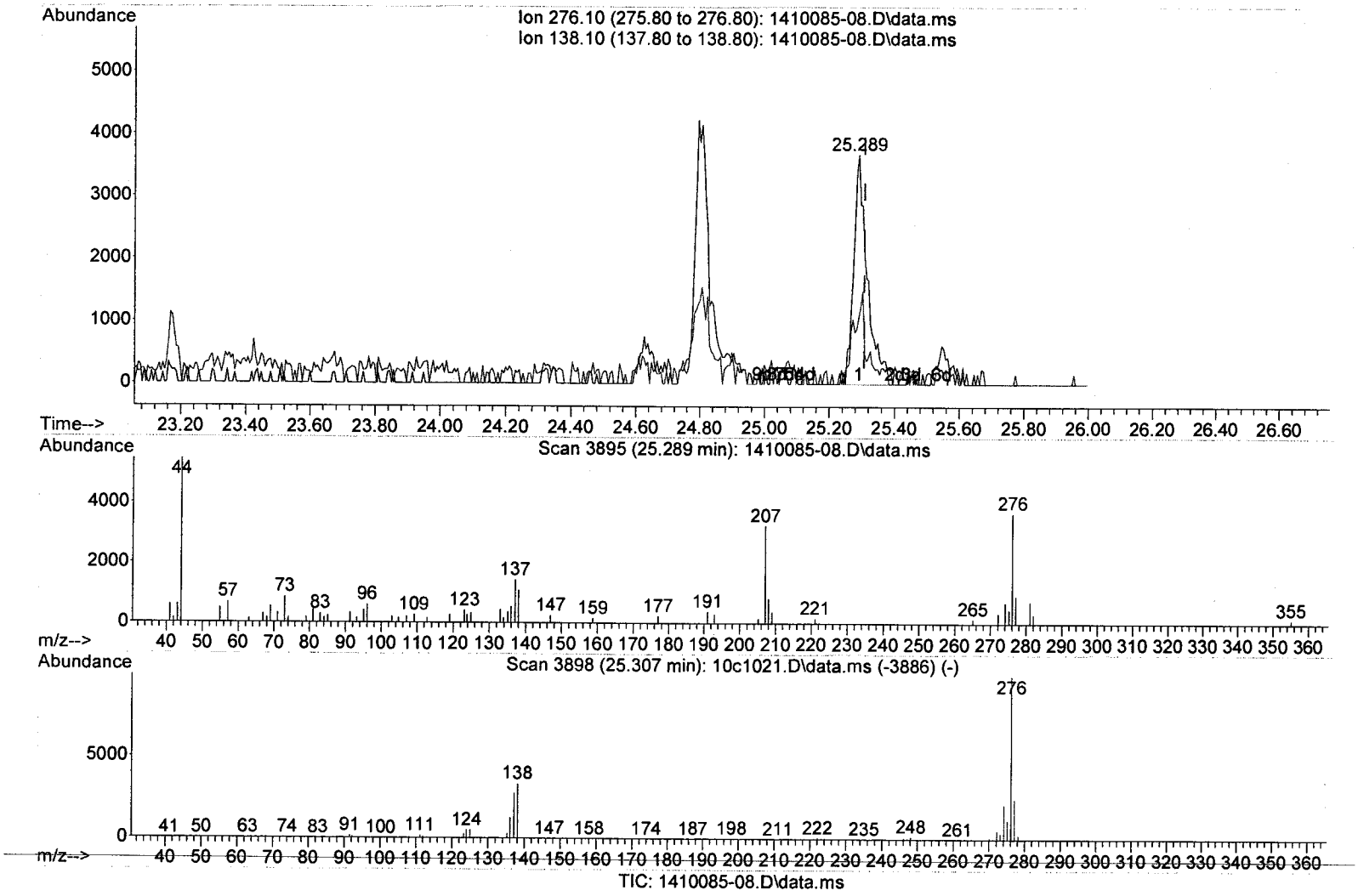
CMDL

004042

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-08.D
Acq On : 21 Oct 2014 22:29
Operator : JLB
Sample : 1410085-08 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 22 08:22:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.289min (-0.018) 0.10 ng/uL

response 10799

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	9.38#
0.00	0.00	0.00
0.00	0.00	0.00

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU017SB38-15DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-09 File ID: 1410085-09.D

Sampled: 10/01/14 11:40 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 20:53

Solids: 97.50 Preparation: 3550C Sonication Extract Initial/Final: 28.4 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1	17	4.7	17	17	U
208-96-8	Acenaphthylene	1	17	4.3	17	17	U
120-12-7	Anthracene	1	17	4.1	17	17	U
56-55-3	Benzo(a)anthracene	1	8.5	2.8	8.5	17	U
50-32-8	Benzo(a)pyrene	1	8.5	2.4	8.5	17	U
205-99-2	Benzo(b)fluoranthene	1	8.5	2.0	8.5	17	U
207-08-9	Benzo(k)fluoranthene	1	8.5	2.0	8.5	17	U
191-24-2	Benzo(g,h,i)perylene	1	8.5	1.9	8.5	34	U
65-85-0	Benzoic Acid	1	92	71	170	340	J
100-51-6	Benzyl Alcohol	1	17	4.7	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	1	17	4.1	17	17	U
85-68-7	Butyl Benzyl Phthalate	1	17	4.1	17	34	U
86-74-8	Carbazole	1	17	4.1	17	170	U
59-50-7	4-Chloro-3-methylphenol	1	17	5.1	17	17	U
106-47-8	4-Chloroaniline	1	17	9.1	17	68	U
111-91-1	Bis(2-chloroethoxy)methane	1	17	4.2	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	1	17	4.1	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	1	8.5	3.8	8.5	17	U
91-58-7	2-Chloronaphthalene	1	17	5.0	17	17	U
95-57-8	2-Chlorophenol	1	17	4.0	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1	17	3.9	17	17	U
218-01-9	Chrysene	1	17	4.0	17	17	U
53-70-3	Dibenz(a,h)anthracene	1	8.5	2.0	8.5	34	U
132-64-9	Dibenzofuran	1	17	5.0	17	17	U
84-74-2	Di-n-butyl Phthalate	1	34	14	34	68	U
106-46-7	1,4-Dichlorobenzene	1	17	4.9	17	17	U
95-50-1	1,2-Dichlorobenzene	1	17	5.6	17	17	U
541-73-1	1,3-Dichlorobenzene	1	17	5.8	17	17	U
91-94-1	3,3´-Dichlorobenzidine	1	680	290	680	850	U
120-83-2	2,4-Dichlorophenol	1	17	4.2	17	34	U
84-66-2	Diethyl Phthalate	1	8.3	5.0	17	17	J
105-67-9	2,4-Dimethylphenol	1	140	37	140	170	U
131-11-3	Dimethyl Phthalate	1	17	4.8	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	1	68	22	68	170	U
51-28-5	2,4-Dinitrophenol	1	170	57	170	170	U
606-20-2	2,6-Dinitrotoluene	1	8.5	4.1	8.5	17	U
121-14-2	2,4-Dinitrotoluene	1	8.5	3.4	8.5	34	U

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU017SB38-15DUP

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410085-09 File ID: 1410085-09.D

Sampled: 10/01/14 11:40 Prepared: 10/09/14 07:32 Analyzed: 10/21/14 20:53

Solids: 97.50 Preparation: 3550C Sonication Extract Initial/Final: 28.4 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21047 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/kg dry)	DL	LOD	LOQ	Q
117-84-0	Di-n-octyl Phthalate	1	13	4.0	17	17	JB
122-66-7	1,2-Diphenylhydrazine	1	8.5	3.4	8.5	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	1	58	12	17	34	
206-44-0	Fluoranthene	1	17	4.6	17	17	U
86-73-7	Fluorene	1	17	4.1	17	34	U
118-74-1	Hexachlorobenzene	1	17	4.9	17	17	U
87-68-3	Hexachlorobutadiene	1	17	4.7	17	17	U
67-72-1	Hexachloroethane	1	17	5.1	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	8.5	2.7	8.5	34	U
78-59-1	Isophorone	1	17	3.9	17	17	U
91-57-6	2-Methylnaphthalene	1	17	4.7	17	17	U
108-39-4	3+4-Methylphenol	1	8.5	3.8	8.5	17	U
95-48-7	2-Methylphenol	1	8.5	3.6	8.5	17	U
91-20-3	Naphthalene	1	17	5.7	17	17	U
100-01-6	4-Nitroaniline	1	69	25	69	340	U
88-74-4	2-Nitroaniline	1	8.5	3.7	8.5	17	U
99-09-2	3-Nitroaniline	1	34	17	34	340	U
98-95-3	Nitrobenzene	1	17	4.7	17	17	U
88-75-5	2-Nitrophenol	1	17	4.6	17	17	U
100-02-7	4-Nitrophenol	1	340	100	340	680	U
62-75-9	N-Nitroso-dimethylamine	1	6.8	3.4	6.8	34	U
86-30-6	N-Nitroso-diphenylamine	1	8.5	3.5	8.5	17	U
621-64-7	N-Nitroso-di-n-propylamine	1	17	4.1	17	17	U
87-86-5	Pentachlorophenol	1	17	14	17	170	U
85-01-8	Phenanthrene	1	17	4.2	17	17	U
108-95-2	Phenol	1	17	4.0	17	170	U
129-00-0	Pyrene	1	17	4.4	17	17	U
120-82-1	1,2,4-Trichlorobenzene	1	17	4.5	17	17	U
95-95-4	2,4,5-Trichlorophenol	1	17	4.6	17	17	U
88-06-2	2,4,6-Trichlorophenol	1	8.5	2.6	8.5	17	U

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2-Fluorophenol	722	500	69	33 - 113	
Phenol-d6	722	551	76	30 - 115	
Nitrobenzene-d5	361	267	74	33 - 131	
2-Fluorobiphenyl	361	271	75	46 - 122	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270D

GA-TU017SB38-15DUP

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410085-09
File ID: 1410085-09.D
Sampled: 10/01/14 11:40
Prepared: 10/09/14 07:32
Analyzed: 10/21/14 20:53
Solids: 97.50
Preparation: 3550C Sonication Extract
Initial/Final: 28.4 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21047
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC.	QC Limits	Q
2,4,6-Tribromophenol	722	422	58	12 - 124	
o-Terphenyl	361	275	76	20 - 155	

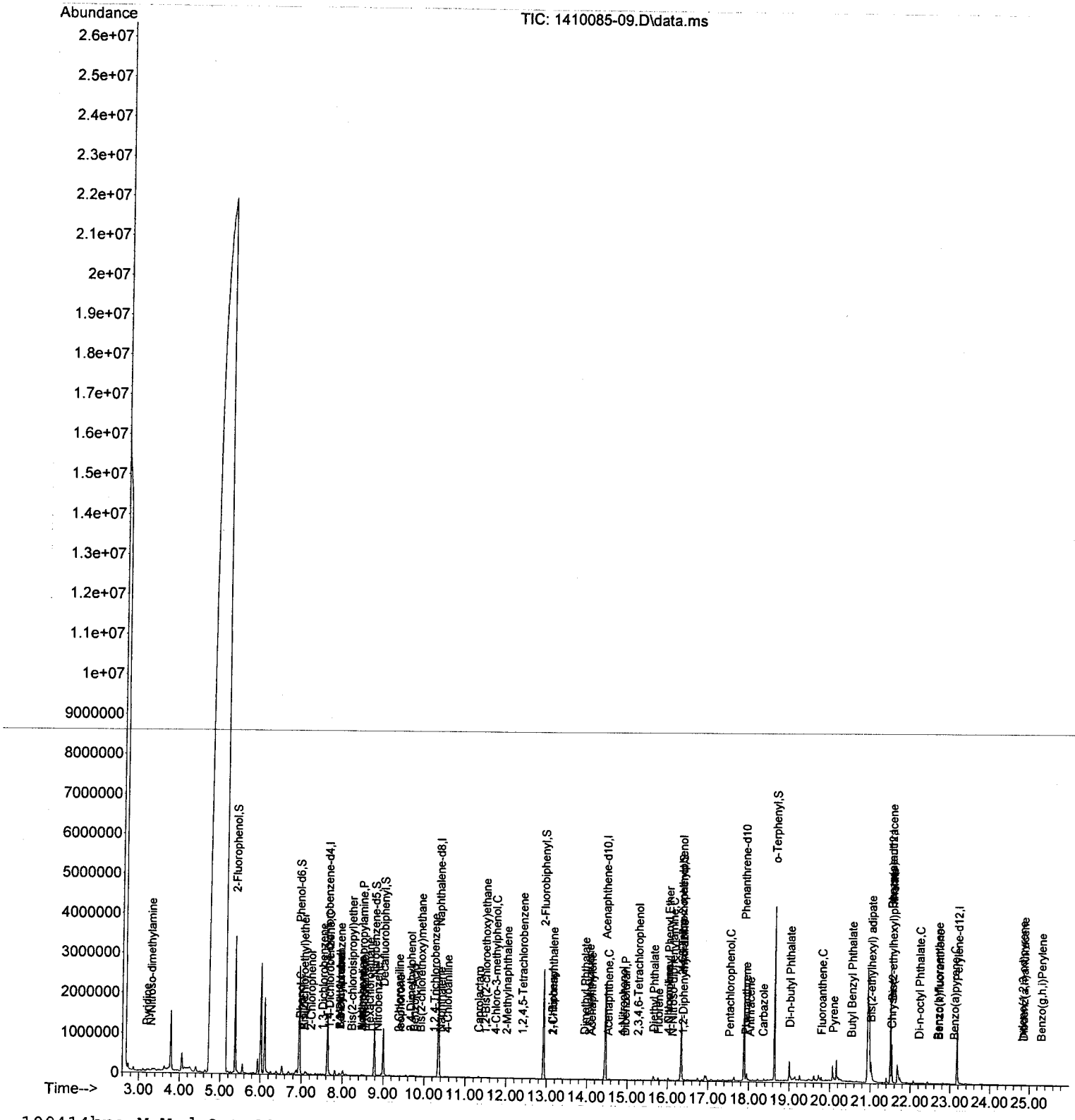
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	434538	7.635	403279	7.614	
Naphthalene-d8	1719224	10.356	1529030	10.359	
Acenaphthene-d10	977672	14.46	866604	14.474	
Phenanthrene-d10	1624305	17.881	1400442	17.901	
Chrysene-d12	1288786	21.501	1153654	21.538	
Perylene-d12	822345	23.174	991596	23.211	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-09.D
Acq On : 21 Oct 2014 20:53
Operator : JLB
Sample : 1410085-09 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 08:20:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



100414bna.M Wed Oct 22 08:20:25 2014 339

004047

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-09.D
Acq On : 21 Oct 2014 20:53
Operator : JLB
Sample : 1410085-09 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 08:20:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.635	152	434538	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.356	136	1719224	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.460	164	977672	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.881	188	1624305	5.00	ng/uL	0.00
81) Chrysene-d12	21.501	240	1288786	5.00	ng/uL	# 0.00
89) Perylene-d12	23.174	264	822345	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.379	112	1374490	13.84	ng/uL	0.19
6) Phenol-d6	6.947	99	1959786	15.25	ng/uL	0.03
21) Nitrobenzene-d5	8.783	82	811425	7.38	ng/uL	0.00
23) Decafluorobiphenyl	9.004	334	498896	6.47	ng/uL	0.00
47) 2-Fluorobiphenyl	12.927	172	1515905	7.50	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.343	330	288087	11.69	ng/uL	-0.01
78) o-Terphenyl	18.639	230	1061106	7.62	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.298	74	928	0.01	ng/uL	85
3) Pyridine	3.193	79	468	0.00	ng/uL#	71
5) Aniline	7.052	93	141	0.22	ng/uL#	33
7) Phenol	6.970	94	5989	0.04	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.052	93	141	0.00	ng/uL#	1
9) 2-Chlorophenol	7.226	128	256	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.512	146	4348	0.03	ng/uL#	22
11) 1,4-Dichlorobenzene	7.669	146	3278	0.03	ng/uL#	1
12) 1,2-Dichlorobenzene	7.938	146	747	0.01	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.223	45	529	0.00	ng/uL#	51
14) Benzyl Alcohol	7.932	108	9129	0.12	ng/uL	98
15) 2-Methylphenol	7.932	108	9129	0.09	ng/uL#	86
16) Acetophenone	8.468	105	5775	0.04	ng/uL	93
17) Hexachloroethane	8.649	119	348	0.01	ng/uL#	12
18) 4-Methylphenol	8.515	108	498	0.00	ng/uL#	57
19) N-Nitroso-di-n-propyla...	8.480	70	1396	0.02	ng/uL#	2
22) Nitrobenzene	8.853	77	226	0.00	ng/uL#	49
24) Isophorone	9.401	82	250	0.00	ng/uL#	58
25) 2-Chloroaniline	9.371	127	122	0.00	ng/uL#	1
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.663	107	61	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.908	93	66	0.00	ng/uL#	33
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.750	105	10324m	2.56	ng/uL	
31) 1,2,4-Trichlorobenzene	10.240	180	2469	0.02	ng/uL	97
32) Naphthalene	10.397	128	2479	0.01	ng/uL#	94
33) 4-Chloroaniline	10.555	127	821	0.01	ng/uL	86
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.324	55	13235	0.27	ng/uL#	34
37) 1,2-Bis(2-chloroethoxy...	11.487	63	130	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.738	107	225	0.00	ng/uL#	1
39) 2-Methylnaphthalene	12.012	142	340	0.00	ng/uL#	82
40) 1-Methylnaphthalene	0.000		0	N.D.		
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-09.D
Acq On : 21 Oct 2014 20:53
Operator : JLB
Sample : 1410085-09 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 08:20:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.402	216	66	0.00 ng/uL#	60
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.148	162	836	0.00 ng/uL#	74
49) 1,1'-Biphenyl	13.137	154	1048	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.110	152	140	0.00 ng/uL#	64
52) 2,6-Dinitrotoluene	14.058	165	394	0.01 ng/uL#	31
53) Dimethyl Phthalate	13.941	163	2313	0.01 ng/uL#	40
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.524	153	64	0.00 ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.944	168	378	0.00 ng/uL#	1
58) 4-Nitrophenol	14.880	65	223	0.01 ng/uL#	22
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	15.264	232	55	0.00 ng/uL#	12
62) Fluorene	15.765	166	380	0.00 ng/uL#	1
63) Diethyl Phthalate	15.649	149	46164	0.23 ng/uL	95
64) 4-Chlorophenyl Phenyl ...	16.016	204	1754	0.02 ng/uL#	11
65) 4-Nitroaniline	16.016	138	306	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.337	198	888	1.01 ng/uL#	1
68) N-Nitroso-diphenylamine	16.121	169	227	0.00 ng/uL#	26
69) 1,2-Diphenylhydrazine	16.372	182	112	0.00 ng/uL	93
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.520	266	867	0.02 ng/uL#	46
75) Phenanthrene	17.922	178	3560	0.01 ng/uL#	83
76) Anthracene	18.021	178	700	0.00 ng/uL#	29
77) Carbazole	18.348	167	870	0.00 ng/uL#	39
79) Di-n-butyl Phthalate	19.012	149	16346	0.05 ng/uL#	89
80) Fluoroanthene	19.793	202	1901	0.01 ng/uL#	77
82) Pyrene	20.084	202	2032	0.01 ng/uL#	1
83) Butyl Benzyl Phthalate	20.533	149	626	0.01 ng/uL	99
84) Bis(2-ethylhexyl) adipate	21.011	129	3537	0.10 ng/uL#	100
85) Benzo(a)anthracene	21.501	228	4642	0.02 ng/uL#	1
86) Chrysene	21.524	228	1597	0.01 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.536	149	249306	1.61 ng/uL	92
88) Di-n-octyl Phthalate	22.212	149	6401m	0.36 ng/uL	
90) Benzo(b)fluoroanthene	22.684	252	3351	0.02 ng/uL#	83
91) Benzo(k)fluoranthene	22.713	252	4868	0.03 ng/uL#	85
92) Benzo(a)pyrene	23.098	252	3874	0.03 ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.806	276	2072	0.02 ng/uL	97
94) Dibdenz(a,h)anthracene	24.846	278	1416	0.01 ng/uL#	80
95) Benzo(g,h,i)Perylene	25.295	276	1800	0.02 ng/uL#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-09.D
Acq On : 21 Oct 2014 20:53
Operator : JLB
Sample : 1410085-09 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 07:56:27 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

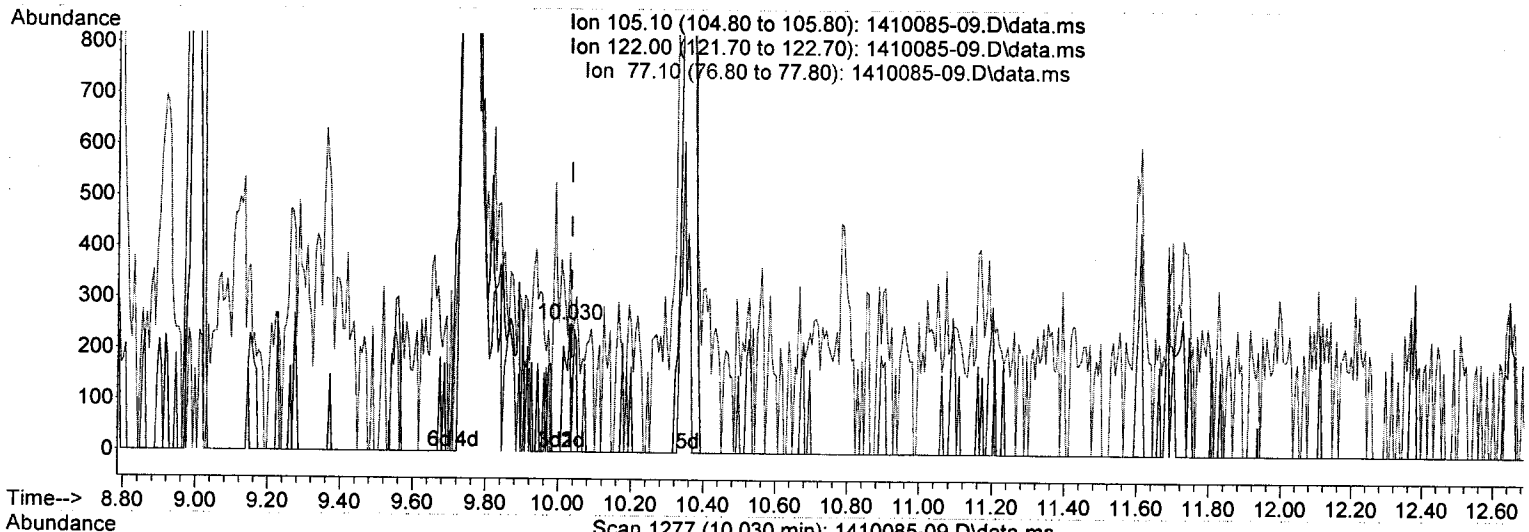
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.635	152	432397	5.00 ng/uL	# 0.02
8) Naphthalene-d8	10.356	136	1719224	5.00 ng/uL	0.00
11) Acenaphthene-d10	14.460	164	973579	5.00 ng/uL	0.00
16) Phenanthrene-d10	17.881	188	1625261	5.00 ng/uL	0.00
19) Chrysene-d12	21.501	240	1288786	5.00 ng/uL	# 0.00
22) Perylene-d12	23.174	264	822345	5.00 ng/uL	# 0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	3.222	74	1121	0.02 ng/uL#	1
3) Pyridine	3.193	79	259	0.00 ng/uL#	82
4) Aniline	7.052	93	141	0.00 ng/uL#	33
5) Benzaldehyde	6.760	105	245	0.00 ng/uL#	1
6) Acetophenone	8.468	105	5775	0.04 ng/uL	93
7) N-Nitroso-di-n-propyla...	8.526	70	675	0.01 ng/uL#	1
9) 4-Chloroaniline	10.555	127	821	0.02 ng/uL	86
10) Caprolactam	11.324	55	5689	0.20 ng/uL#	51
12) 1,1'-Biphenyl	13.137	154	1048	0.00 ng/uL#	40
13) 2-Nitroaniline	0.000		0	N.D.	
14) 3-Nitroaniline	0.000		0	N.D.	
15) 4-Nitroaniline	16.016	138	306	Below Cal #	1
17) N-Nitroso-diphenylamine	16.121	169	227	0.00 ng/uL#	26
18) Atrazine	0.000		0	N.D.	
20) Benzidine	19.997	184	109	0.41 ng/uL#	1
21) 3,3'-Dichlorobenzidine	21.676	252	564	0.01 ng/uL#	76

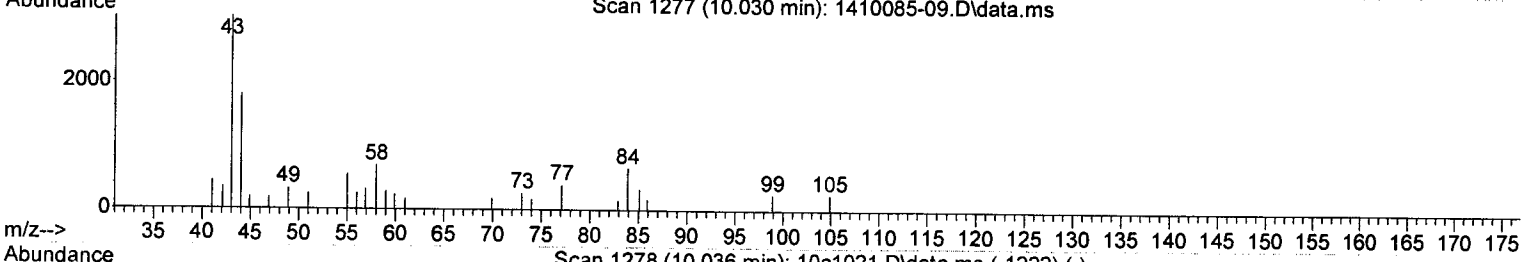
(#) = qualifier out of range (m) = manual integration (+) = signals summed

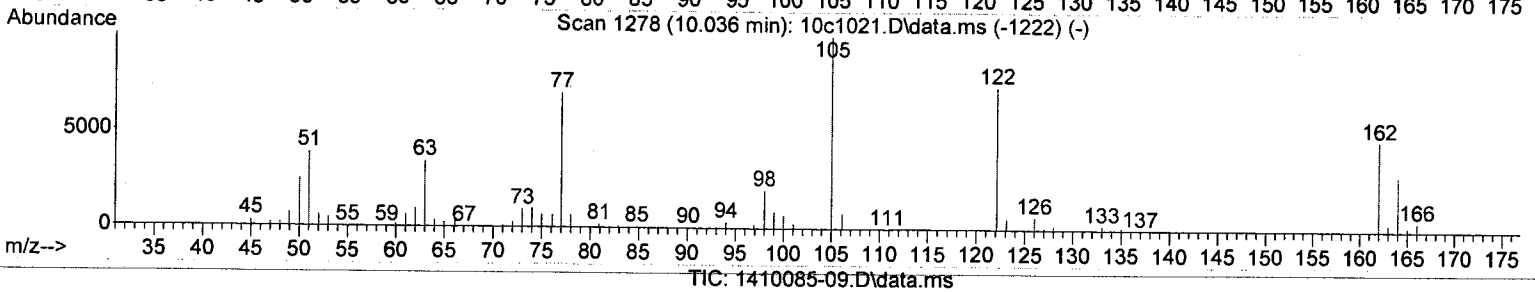
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-09.D
Acq On : 21 Oct 2014 20:53
Operator : JLB
Sample : 1410085-09 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 08:19:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-09.D\data.ms

(30) Benzoic Acid

10.030min (-0.006) 2.46 ng/uL

response 278

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

Dw 10-22-14

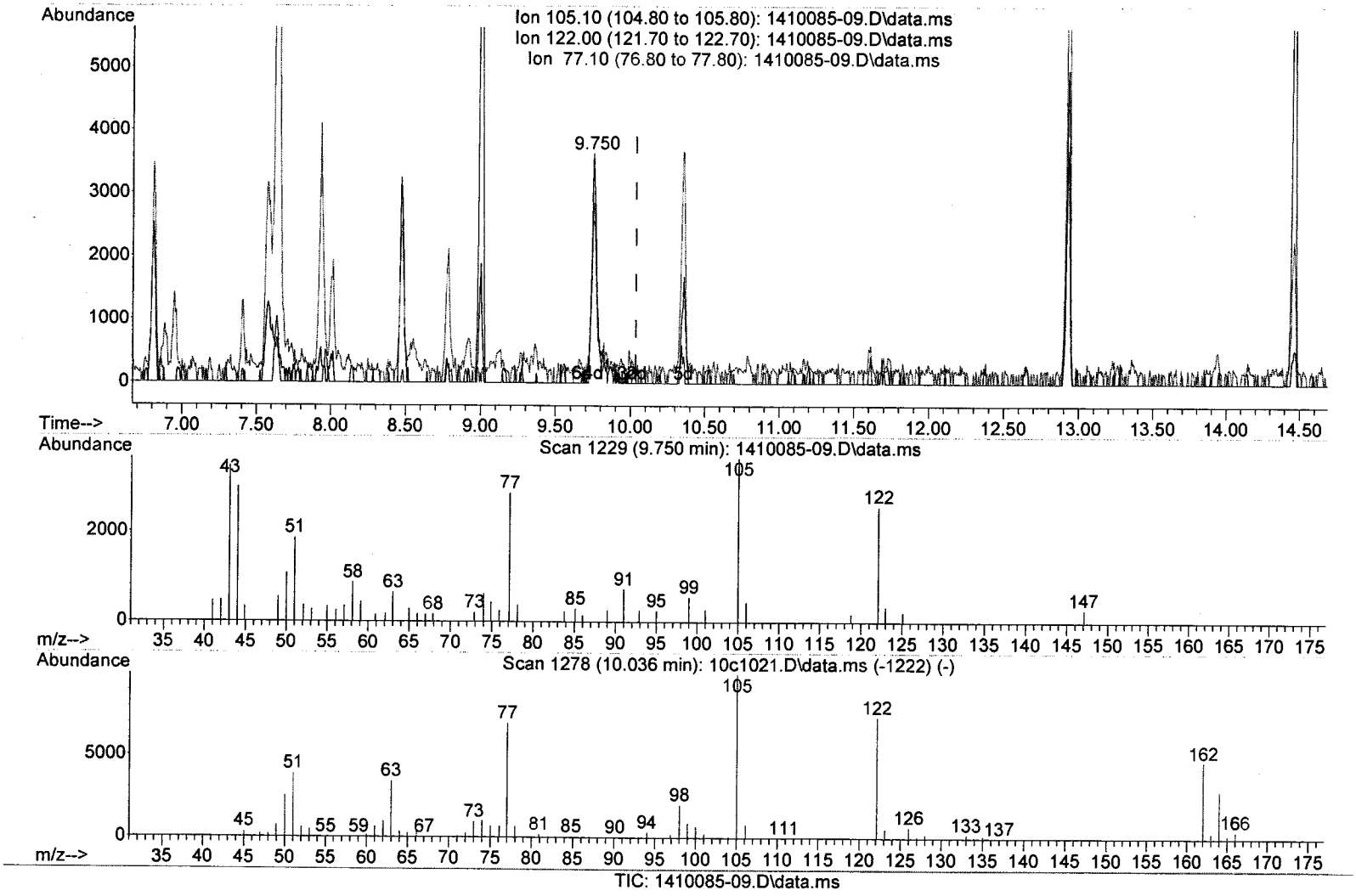
Jws 10/22/14

004051

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-09.D
Acq On : 21 Oct 2014 20:53
Operator : JLB
Sample : 1410085-09 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 08:19:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-09.D\data.ms

(30) Benzoic Acid

9.750min (-0.286) 2.56 ng/uL m

response 10324

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/22/14

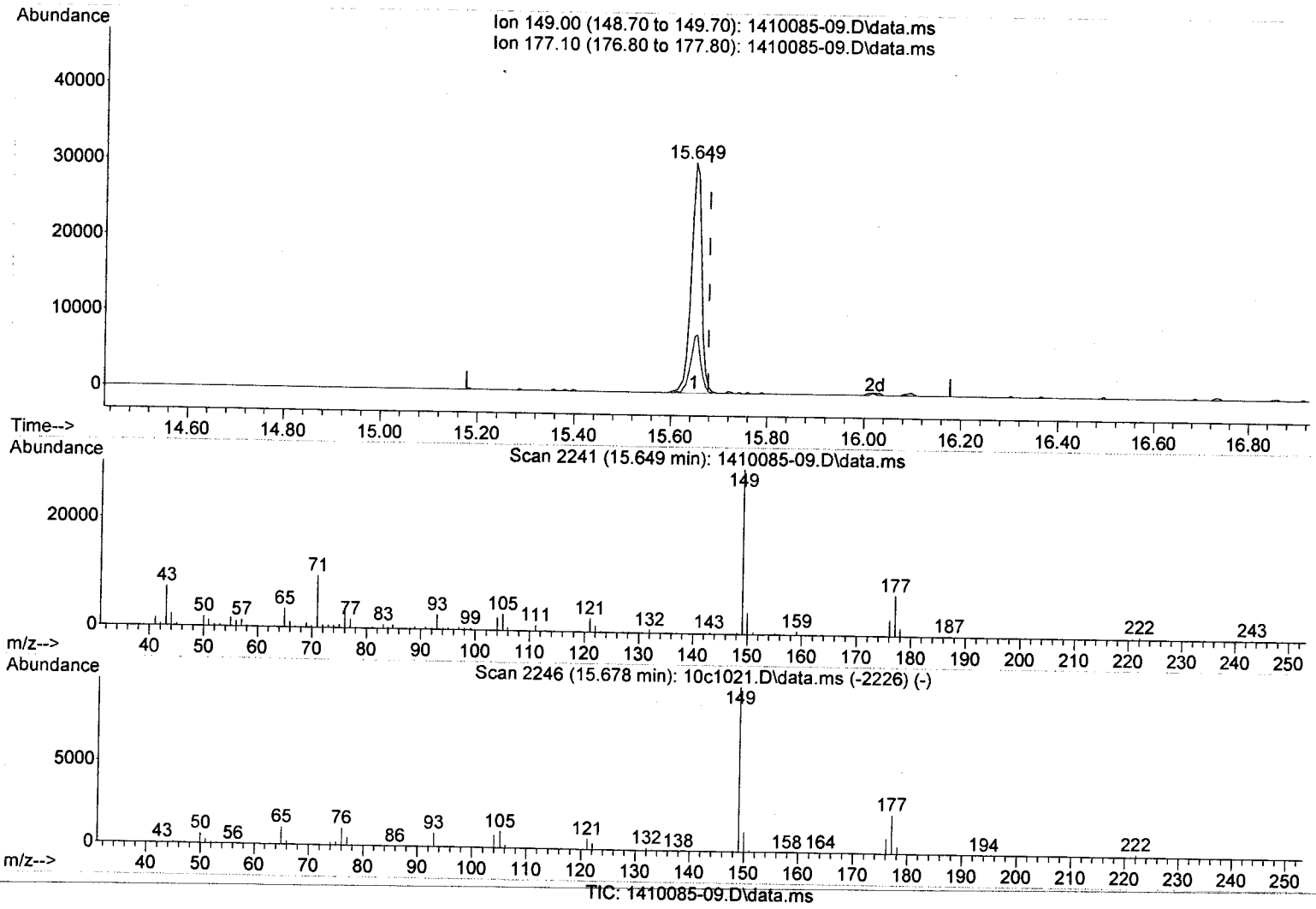
Reviewed By: DM Date: 10.22.14

004052

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-09.D
Acq On : 21 Oct 2014 20:53
Operator : JLB
Sample : 1410085-09 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 08:19:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(63) Diethyl Phthalate

15.649min (-0.029) 0.23 ng/uL

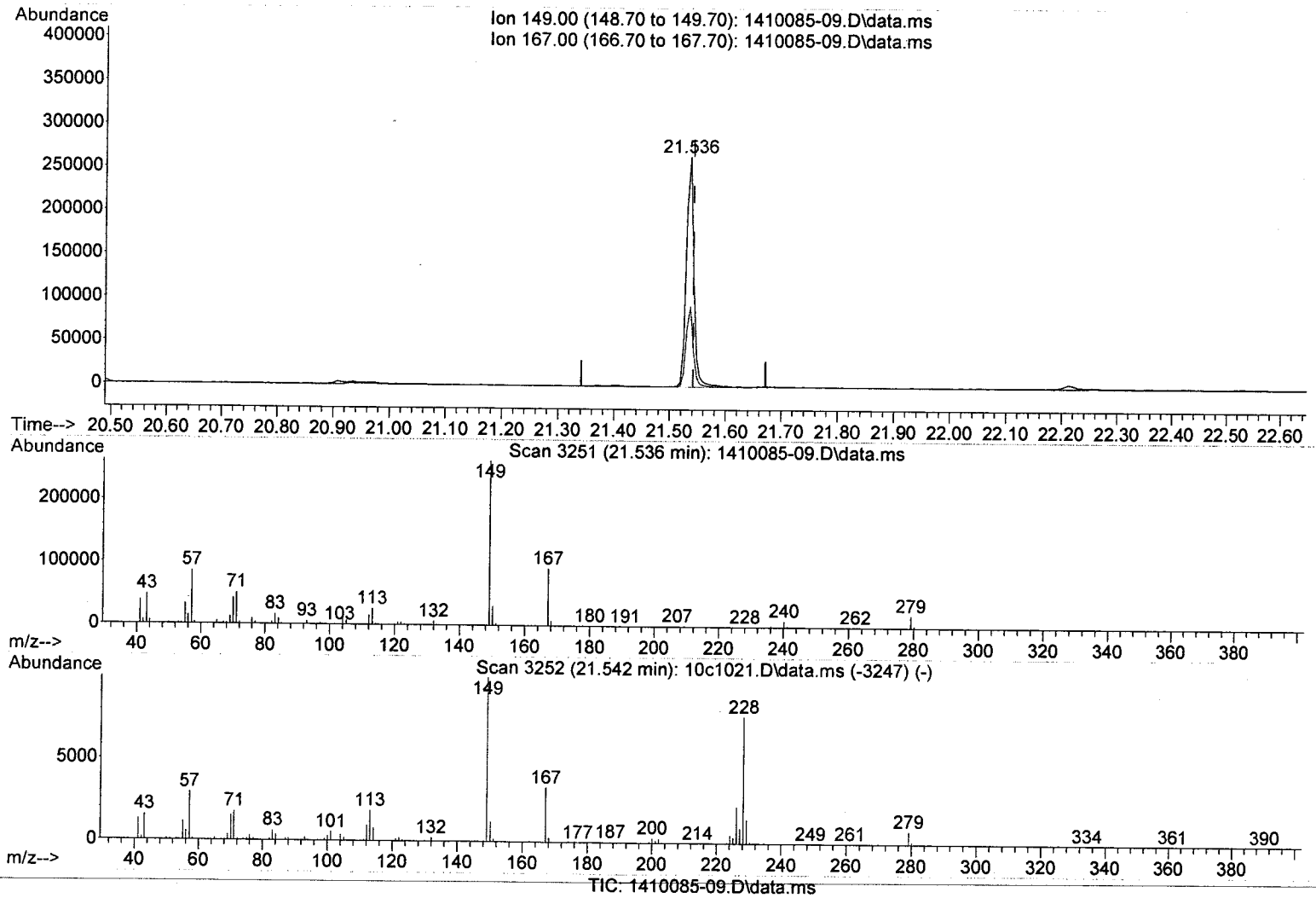
response 46164

Ion	Exp%	Act%
149.00	100.00	100.00
177.10	22.60	24.97
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-09.D
Acq On : 21 Oct 2014 20:53
Operator : JLB
Sample : 1410085-09 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 08:19:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.536min (-0.006) 1.61 ng/uL

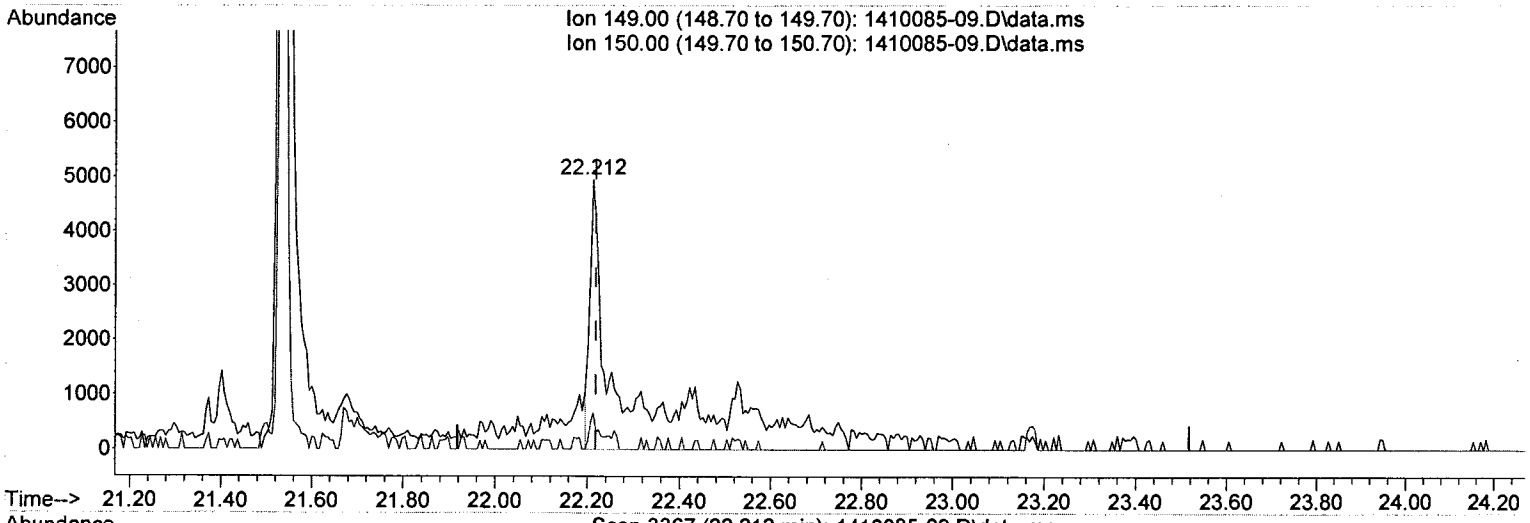
response 249306

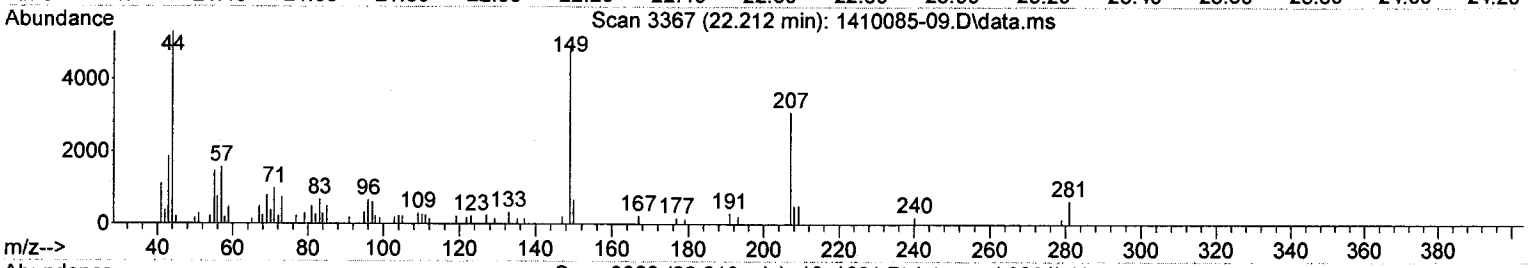
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.39
0.00	0.00	0.00
0.00	0.00	0.00

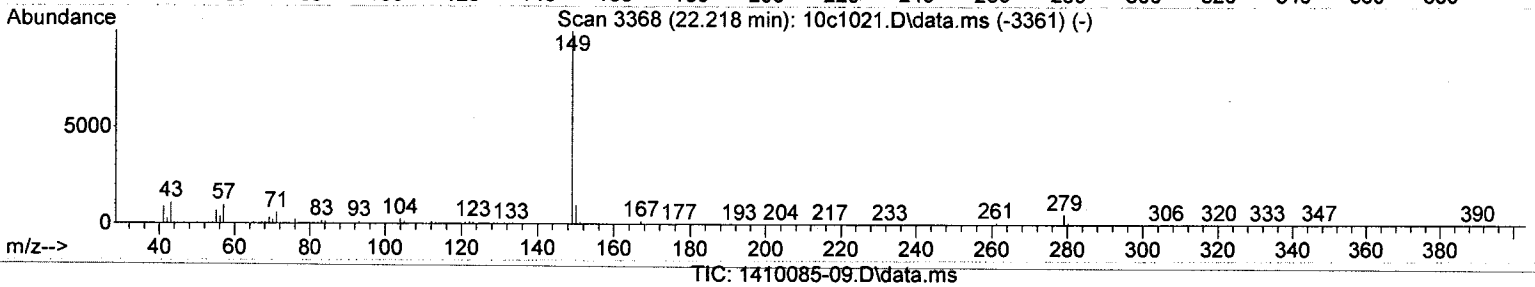
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-09.D
Acq On : 21 Oct 2014 20:53
Operator : JLB
Sample : 1410085-09 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 08:19:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1410085-09.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.44 ng/uL

response 27648

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	3.39#
0.00	0.00	0.00
0.00	0.00	0.00

JWS 10/22/14

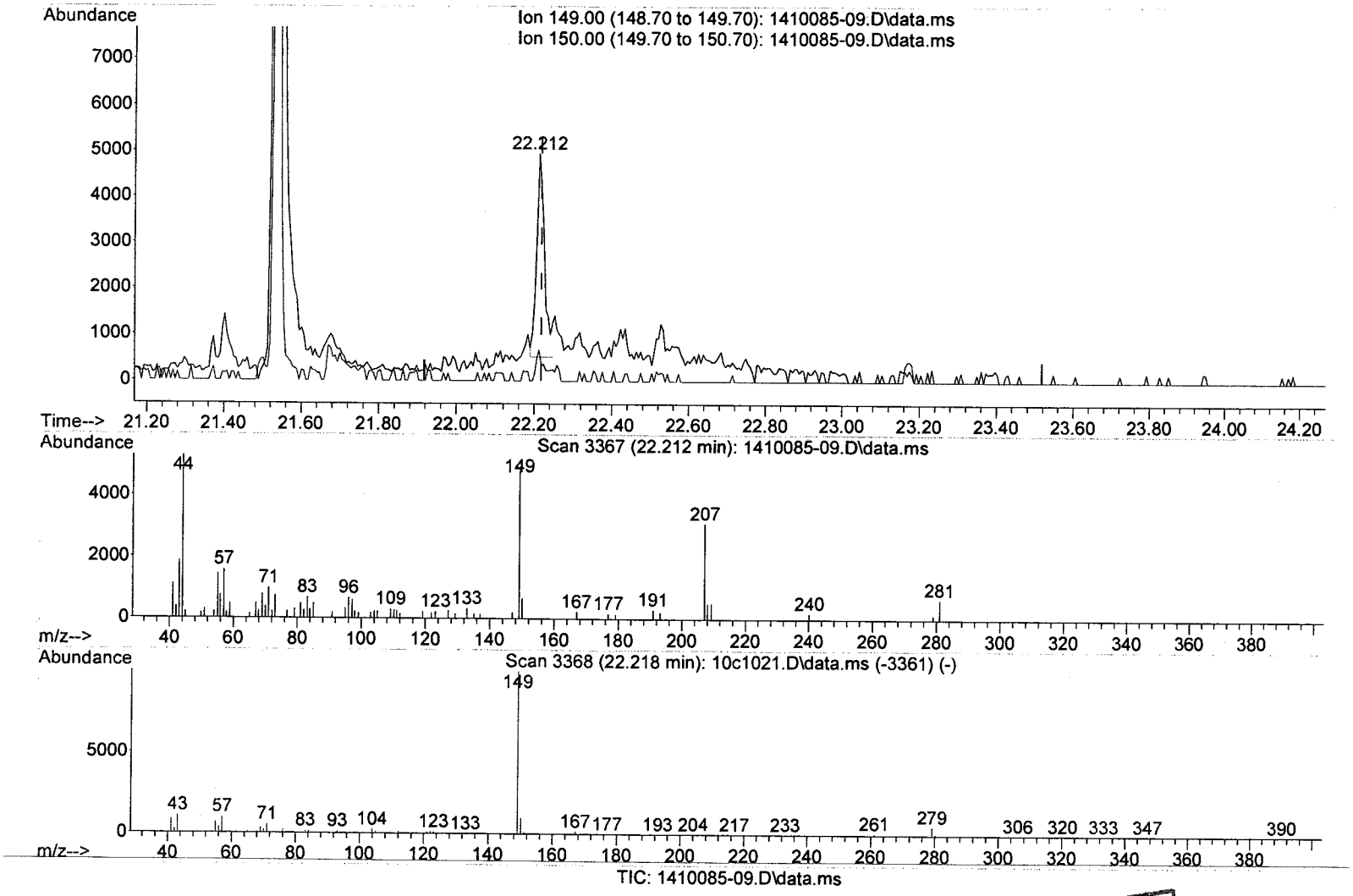
DW 10-22-14

004035

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410085-09.D
Acq On : 21 Oct 2014 20:53
Operator : JLB
Sample : 1410085-09 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 22 08:19:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410085-09.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.36 ng/uL m

response 6401

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	14.65#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: _____ Date: 10/22/14

Reviewed By: _____ Date: 10-22-14

TRIMATRIX LABORATORIES

SECTION - D

STANDARDS DATA

USEPA-8270D

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

INITIAL CALIBRATION STANDARDS
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J06018

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: 4J06006
Instrument: 339

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
4091398	0.5ppm BNA	4J06018-CAL1		
4091397	1ppm BNA	4J06018-CAL2		
4091396	2ppm BNA	4J06018-CAL3		
4091395	5ppm BNA	4J06018-CAL4		
4091394	10ppm BNA	4J06018-CAL5		
4091393	15ppm BNA	4J06018-CAL6		
4091392	20ppm BNA	4J06018-CAL7		
4091391	25ppm BNA	4J06018-CAL8		
4090529	0.5ppm abe	4J06018-CAL9		
4090528	1ppm abe	4J06018-CALA		
4090527	2ppm abe	4J06018-CALB		
4090526	5ppm abe	4J06018-CALC		
4090525	10ppm abe	4J06018-CALD		
4090524	15ppm abe	4J06018-CALE		
4090523	20ppm abe	4J06018-CALF		
4090522	25ppm abe	4J06018-CALG		
4090840	dftpp tune	4J06018-TUN1	dft1004f.D	10/04/14 12:24
4091394	10ppm BNA	4J06018-CAL5	10bna1004.D	10/04/14 12:41
4091398	0.5ppm BNA	4J06018-CAL1	05bna1004.D	10/04/14 13:13
4091397	1ppm BNA	4J06018-CAL2	1bna1004.D	10/04/14 13:45
4091396	2ppm BNA	4J06018-CAL3	2bna1004.D	10/04/14 14:17
4091395	5ppm BNA	4J06018-CAL4	5bna1004.D	10/04/14 14:49
4091393	15ppm BNA	4J06018-CAL6	15bna1004.D	10/04/14 15:22
4091392	20ppm BNA	4J06018-CAL7	20bna1004.D	10/04/14 15:54
4091391	25ppm BNA	4J06018-CAL8	25bna1004.D	10/04/14 16:27
4091399	10ppm SCV BNA	4J06018-SCV1	scvbna1004.D	10/04/14 17:00
4090529	0.5ppm abe	4J06018-CAL9	05ab1004.D	10/04/14 17:32
4090528	1ppm abe	4J06018-CALA	1ab1004.D	10/04/14 18:02
4090527	2ppm abe	4J06018-CALB	2ab1004.D	10/04/14 18:32
4090526	5ppm abe	4J06018-CALC	5ab1004.D	10/04/14 19:02
4090525	10ppm abe	4J06018-CALD	10ab1004.D	10/04/14 19:31
4090524	15ppm abe	4J06018-CALE	15ab1004.D	10/04/14 20:01

INITIAL CALIBRATION STANDARDS

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J06018

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: 4J06006

Instrument: 339

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
4090523	20ppm abe	4J06018-CALF	20ab1004.D	10/04/14 20:32
4090522	25ppm abe	4J06018-CALG	25ab1004.D	10/04/14 21:02
4090530	10ppm abe SCV	4J06018-SCV2	scvab1004.D	10/04/14 21:32

INITIAL CALIBRATION DATA
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Calibration: 4J06006

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration Date: 10/04/14 11:28
Instrument: 339

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF
Acenaphthene	0.5	1.142084	1	1.106543	2	1.061183	5	1.095957	10	1.015653	15	1.032092
Acenaphthylene	0.5	1.65816	1	1.703144	2	1.627327	5	1.659807	10	1.553902	15	1.585011
Anthracene	0.5	0.9842224	1	0.9821772	2	0.9342253	5	0.9854969	10	0.9248712	15	0.9134775
Benzo(a)anthracene	0.5	0.9534396	1	0.8905692	2	0.9119263	5	0.9381104	10	0.8946053	15	0.9019012
Benzo(a)pyrene	0.5	0.7638779	1	0.7785582	2	0.8136303	5	0.9026409	10	0.8899693	15	0.9136808
Benzo(b)fluoranthene	0.5	0.828167	1	0.8634196	2	0.8717523	5	0.9121245	10	0.9313501	15	0.9692125
Benzo(k)fluoranthene	0.5	0.9982719	1	1.046094	2	1.050912	5	1.061495	10	0.9649817	15	1.042964
Benzo(g,h,i)perylene	0.5	0.6457032	1	0.6692064	2	0.6538623	5	0.7343415	10	0.6190097	15	0.6099149
Benzoic Acid	1	~~1.179467E-03~~	2	~~0.1134055~~	4	0.1551742	10	0.2078762	20	0.2322844	30	0.2424322
Benzyl Alcohol	0.5	0.8584453	1	0.8467438	2	0.8355276	5	0.9032518	10	0.8600745	15	0.8764303
4-Bromophenyl Phenyl Ether	0.5	0.1687265	1	0.1725285	2	0.1713441	5	0.1739186	10	0.1630457	15	0.1681363
Butyl Benzyl Phthalate	0.5	0.3893542	1	0.4063166	2	0.4392636	5	0.5050101	10	0.5059229	15	0.5119905
Carbazole	0.5	0.8767222	1	0.8427007	2	0.8247939	5	0.8818696	10	0.7974579	15	0.7584696
4-Chloro-3-methylphenol	0.5	0.2672526	1	0.2725984	2	0.2681506	5	0.2913283	10	0.2826462	15	0.2893019
4-Chloroaniline												
Bis(2-chloroethoxy)methane	0.5	0.4112685	1	0.4080231	2	0.3820656	5	0.4001602	10	0.3796165	15	0.3865007
Bis(2-chloroethyl) Ether	0.5	1.478318	1	1.445363	2	1.401003	5	1.44823	10	1.383227	15	1.399143
Bis(2-chloroisopropyl) Ether	0.5	2.484583	1	2.386406	2	2.273888	5	2.288898	10	2.167726	15	2.192907
2-Chloronaphthalene	0.5	1.082066	1	1.072258	2	1.024347	5	1.011986	10	0.9188995	15	0.9160419
2-Chlorophenol	0.5	1.369987	1	1.335458	2	1.295265	5	1.348827	10	1.301952	15	1.345434
4-Chlorophenyl Phenyl Ether	0.5	0.5688949	1	0.550799	2	0.5051095	5	0.5304884	10	0.4953577	15	0.4934975
Chrysene	0.5	0.9742122	1	0.9610163	2	0.9040983	5	0.9348817	10	0.8670702	15	0.874373
Dibenz(a,h)anthracene	0.5	0.5331829	1	0.5759301	2	0.5806486	5	0.7047942	10	0.6186542	15	0.609227
Dibenzofuran	0.5	1.493117	1	1.462547	2	1.366209	5	1.409545	10	1.32953	15	1.339627
Di-n-butyl Phthalate	0.5	0.8980588	1	0.9248193	2	0.926408	5	1.032358	10	0.9699291	15	0.9933543
1,4-Dichlorobenzene	0.5	1.541652	1	1.502102	2	1.443088	5	1.479662	10	1.41158	15	1.438343
1,2-Dichlorobenzene	0.5	1.451902	1	1.429939	2	1.362152	5	1.398105	10	1.308894	15	1.334898
1,3-Dichlorobenzene	0.5	1.517464	1	1.498395	2	1.438674	5	1.473742	10	1.406255	15	1.428544
3,3'-Dichlorobenzidine												
2,4-Dichlorophenol	0.5	0.2524759	1	0.2510525	2	0.2481546	5	0.2621628	10	0.2541373	15	0.2576642
Diethyl Phthalate	0.5	1.116375	1	1.08255	2	1.012831	5	1.053082	10	1.002434	15	0.9869244

INITIAL CALIBRATION DATA
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Calibration: 4J06006

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration Date: 10/04/14 11:28
Instrument: 339

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF
2,4-Dimethylphenol	0.5	0.3264486	1	0.3287336	2	0.3102801	5	0.3312474	10	0.3179146	15	0.3258633
Dimethyl Phthalate	0.5	1.139601	1	1.137847	2	1.084834	5	1.128817	10	1.07767	15	1.062943
4,6-Dinitro-2-methylphenol	0.5	5.023391E-02	1	6.437517E-02	2	8.351127E-02	5	0.1044865	10	0.1084615	15	0.1138644
2,4-Dinitrophenol	1	~~4.944783E-02~~	2	~~6.745669E-02~~	4	8.810682E-02	10	0.113845	20	0.1315335	30	0.1311642
2,6-Dinitrotoluene	0.5	0.2315881	1	0.2562058	2	0.2535971	5	0.2781678	10	0.263636	15	0.2673024
2,4-Dinitrotoluene	0.5	0.2856264	1	0.317006	2	0.3123274	5	0.3574898	10	0.3388358	15	0.3316803
Di-n-octyl Phthalate	0.5	0.7009186	1	0.7159377	2	0.7931575	5	1.015795	10	1.123961	15	1.044956
1,2-Diphenylhydrazine	0.5	0.2029368	1	0.2056315	2	0.1979808	5	0.2024956	10	0.1942597	15	0.1994525
Bis(2-ethylhexyl) Phthalate	0.5	0.5364156	1	0.5505503	2	0.5842479	5	0.6636112	10	0.6507458	15	0.6399468
Fluoranthene	0.5	0.992509	1	0.9596002	2	0.9158688	5	0.9697365	10	0.8890136	15	0.9088018
Fluorene	0.5	1.187841	1	1.163061	2	1.105148	5	1.15949	10	1.085504	15	1.08052
Hexachlorobenzene	0.5	0.1925997	1	0.1937042	2	0.1885266	5	0.1832425	10	0.1725205	15	0.1836727
Hexachlorobutadiene	0.5	0.1715473	1	0.1632636	2	0.1593725	5	0.1627051	10	0.1502044	15	0.1561877
Hexachlorocyclopentadiene	0.5	0.2324993	1	0.2335256	2	0.2346022	5	0.2602975	10	0.2472583	15	0.2580409
Hexachloroethane	0.5	0.5769565	1	0.5554492	2	0.5347249	5	0.5453595	10	0.5115454	15	0.5344795
Indeno(1,2,3-cd)pyrene	0.5	0.7006099	1	0.7168167	2	0.7213093	5	0.8590941	10	0.7543279	15	0.7250048
Isophorone	0.5	0.644129	1	0.6526707	2	0.6368329	5	0.6632836	10	0.6302479	15	0.6501618
2-Methylnaphthalene	0.5	0.6880331	1	0.6724515	2	0.6366949	5	0.6529881	10	0.6164091	15	0.6219104
3+4-Methylphenol	0.5	1.226085	1	1.222148	2	1.173838	5	1.231761	10	1.15234	15	1.184194
2-Methylphenol	0.5	1.242242	1	1.202181	2	1.159533	5	1.234102	10	1.164912	15	1.201007
Naphthalene	0.5	1.083107	1	1.055059	2	1.006927	5	1.034041	10	0.9633957	15	0.9732751
4-Nitroaniline												
2-Nitroaniline												
3-Nitroaniline												
Nitrobenzene	0.5	0.3731249	1	0.3585839	2	0.3512687	5	0.3587349	10	0.3403207	15	0.3453947
2-Nitrophenol	0.5	0.1523198	1	0.1573223	2	0.1584983	5	0.1751677	10	0.1674876	15	0.1735052
4-Nitrophenol	1	~~0.1629523~~	2	~~0.2053569~~	4	0.1885019	10	0.2342004	20	0.2092542	30	0.1978252
N-Nitroso-dimethylamine	0.5	0.7393426	1	0.7280184	2	0.724469	5	0.7619104	10	0.7312878	15	0.7385367
N-Nitroso-diphenylamine	0.5	0.5850499	1	0.5717186	2	0.554589	5	0.5667861	10	0.5333688	15	0.5420749
N-Nitroso-di-n-propylamine	0.5	0.9347053	1	0.8966984	2	0.8801418	5	0.9253312	10	0.8713905	15	0.9030919
Pentachlorophenol	0.5	8.490228E-02	1	8.829156E-02	2	0.1006772	5	0.1145486	10	0.1211107	15	0.1166781

INITIAL CALIBRATION DATA

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J06006

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/04/14 11:28

Instrument: 339

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF
Phenanthrene	0.5	1.070034	1	1.032521	2	0.9816717	5	1.007247	10	0.934706	15	0.935082
Phenol	0.5	1.784729	1	1.721306	2	1.660722	5	1.740174	10	1.656346	15	1.673345
Pyrene	0.5	1.206536	1	1.198536	2	1.217943	5	1.215432	10	1.132655	15	1.226057
1,2,4-Trichlorobenzene	0.5	0.3059176	1	0.3065641	2	0.2892549	5	0.2969101	10	0.2783212	15	0.2850437
2,4,5-Trichlorophenol	0.5	0.278416	1	0.2949476	2	0.2869021	5	0.3111602	10	0.3008006	15	0.3126994
2,4,6-Trichlorophenol	0.5	0.2650773	1	0.2788047	2	0.2791647	5	0.2944896	10	0.2890986	15	0.2979979
2-Fluorophenol	1	1.160719	2	1.116763	4	1.09859	10	1.192104	20	1.109253	30	1.170746
Phenol-d6	1	1.547846	2	1.446223	4	1.429361	10	1.537883	20	1.436653	30	1.507285
Nitrobenzene-d5	1	0.3269286	2.01	0.3105163	4.02	0.3110122	10	0.3364268	20.1	0.3054596	30.2	0.3257595
2-Fluorobiphenyl	1	1.177874	2.01	1.086846	4.02	1.053905	10	1.086978	20.1	0.9595662	30.2	0.998166
2,4,6-Tribromophenol	1	0.1124109	2	0.1090778	4	0.1114118	10	0.1276053	20	0.118549	30	0.1237361
o-Terphenyl	1	0.4993549	2	0.4472722	4	0.4562041	10	0.4502771	20	0.3905203	30	0.4119757

INITIAL CALIBRATION DATA (Continued)

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J06006

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/04/14 11:28

Instrument: 339

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF
Acenaphthene	20	1.003612	25	0.9853746								
Acenaphthylene	20	1.530799	25	1.503635								
Anthracene	20	0.8883607	25	0.862506								
Benzo(a)anthracene	20	0.9046247	25	0.8955254								
Benzo(a)pyrene	20	0.8895495	25	0.9011107								
Benzo(b)fluoranthene	20	0.9244966	25	0.9662334								
Benzo(k)fluoranthene	20	1.032562	25	1.011223								
Benzo(g,h,i)perylene	20	0.5855201	25	0.5921985								
Benzoic Acid	40	0.2598041	50	0.2633633								
Benzyl Alcohol	20	0.8448069	25	0.8521194								
4-Bromophenyl Phenyl Ether	20	0.166615	25	0.1669867								
Butyl Benzyl Phthalate	20	0.4969654	25	0.4913965								
Carbazole	20	0.7758386	25	0.6899854								
4-Chloro-3-methylphenol	20	0.2844029	25	0.2824594								
4-Chloroaniline					0.5	0.4245442	1	2.810302E-03	2	0.4306858	5	0.4400943
Bis(2-chloroethoxy)methane	20	0.3763987	25	0.3743731								
Bis(2-chloroethyl) Ether	20	1.375039	25	1.392042								
Bis(2-chloroisopropyl) Ether	20	2.116267	25	2.094269								
2-Chloronaphthalene	20	0.8762325	25	0.8424233								
2-Chlorophenol	20	1.326045	25	1.343726								
4-Chlorophenyl Phenyl Ether	20	0.4790688	25	0.4666798								
Chrysene	20	0.8124853	25	0.7952061								
Dibenz(a,h)anthracene	20	0.5924982	25	0.6297256								
Dibenzofuran	20	1.293279	25	1.26143								
Di-n-butyl Phthalate	20	0.9823197	25	0.9687198								
1,4-Dichlorobenzene	20	1.401283	25	1.394759								
1,2-Dichlorobenzene	20	1.288201	25	1.270079								
1,3-Dichlorobenzene	20	1.399789	25	1.396363								
3,3'-Dichlorobenzidine					0.5	0.218677	1	0.2353301	2	0.2778859	5	0.3179397
2,4-Dichlorophenol	20	0.2536103	25	0.2520515								
Diethyl Phthalate	20	0.9669584	25	0.9315379								

INITIAL CALIBRATION DATA (Continued)

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J06006

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/04/14 11:28

Instrument: 339

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF
2,4-Dimethylphenol	20	0.3188853	25	0.3179359								
Dimethyl Phthalate	20	1.028146	25	0.9922543								
4,6-Dinitro-2-methylphenol	20	0.1236969	25	0.1282777								
2,4-Dinitrophenol	40	0.1468643	50	0.1518689								
2,6-Dinitrotoluene	20	0.2585336	25	0.2565653								
2,4-Dinitrotoluene	20	0.3297104	25	0.3189253								
Di-n-octyl Phthalate	20	1.062432	25	1.100716								
1,2-Diphenylhydrazine	20	0.2001179	25	0.2000776								
Bis(2-ethylhexyl) Phthalate	20	0.6042424	25	0.567415								
Fluoranthene	20	0.8826378	25	0.8719481								
Fluorene	20	1.056944	25	1.021373								
Hexachlorobenzene	20	0.1815329	25	0.1815985								
Hexachlorobutadiene	20	0.1509002	25	0.1489002								
Hexachlorocyclopentadiene	20	0.2501248	25	0.2509504								
Hexachloroethane	20	0.5249546	25	0.5288589								
Indeno(1,2,3-cd)pyrene	20	0.7083031	25	0.7434174								
Isophorone	20	0.6325777	25	0.6309104								
2-Methylnaphthalene	20	0.6010272	25	0.596583								
3+4-Methylphenol	20	1.158479	25	1.171177								
2-Methylphenol	20	1.170001	25	1.178534								
Naphthalene	20	0.9441501	25	0.9254497								
4-Nitroaniline					0.5	0.2014351	1	0.2018782	2	0.2484815	5	0.2802726
2-Nitroaniline					0.5	0.2794942	1	0.2833518	2	0.3336792	5	0.3628376
3-Nitroaniline					0.5	0.2537216	1	0.2509868	2	0.2897226	5	0.3105549
Nitrobenzene	20	0.3358882	25	0.3303722								
2-Nitrophenol	20	0.1724425	25	0.1718044								
4-Nitrophenol	40	0.1980083	50	0.1957125								
N-Nitroso-dimethylamine	20	0.7292089	25	0.7552891								
N-Nitroso-diphenylamine	20	0.539243	25	0.5307326								
N-Nitroso-di-n-propylamine	20	0.8908258	25	0.9098356								
Pentachlorophenol	20	0.1188016	25	0.1212776								

INITIAL CALIBRATION DATA (Continued)

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J06006

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/04/14 11:28

Instrument: 339

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF
Phenanthrene	20	0.9077295	25	0.8771437								
Phenol	20	1.612439	25	1.594956								
Pyrene	20	1.146447	25	1.14515								
1,2,4-Trichlorobenzene	20	0.2780169	25	0.2745926								
2,4,5-Trichlorophenol	20	0.3077927	25	0.3053456								
2,4,6-Trichlorophenol	20	0.2950242	25	0.2927624								
2-Fluorophenol	40	1.131	50	1.159853								
Phenol-d6	40	1.451784	50	1.473377								
Nitrobenzene-d5	40.2	0.3135435	50.2	0.3176195								
2-Fluorobiphenyl	40.2	0.9485226	50.2	0.9223229								
2,4,6-Tribromophenol	40	0.1216172	50	0.1218231								
o-Terphenyl	40	0.3863076	50	0.3874572								

INITIAL CALIBRATION DATA (Continued)

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J06006

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/04/14 11:28

Instrument: 339

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF
Acenaphthene												
Acenaphthylene												
Anthracene												
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(k)fluoranthene												
Benzo(g,h,i)perylene												
Benzoic Acid												
Benzyl Alcohol												
4-Bromophenyl Phenyl Ether												
Butyl Benzyl Phthalate												
Carbazole												
4-Chloro-3-methylphenol												
4-Chloroaniline	10	0.4185578	15	0.4178485	20	0.4150295	25	0.3931365				
Bis(2-chloroethoxy)methane												
Bis(2-chloroethyl) Ether												
Bis(2-chloroisopropyl) Ether												
2-Chloronaphthalene												
2-Chlorophenol												
4-Chlorophenyl Phenyl Ether												
Chrysene												
Dibenz(a,h)anthracene												
Dibenzofuran												
Di-n-butyl Phthalate												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
1,3-Dichlorobenzene												
3,3'-Dichlorobenzidine	10	0.3237118	15	0.3255998	20	0.306669	25	0.2933673				
2,4-Dichlorophenol												
Diethyl Phthalate												

INITIAL CALIBRATION DATA (Continued)

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J06006

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/04/14 11:28

Instrument: 339

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF
2,4-Dimethylphenol												
Dimethyl Phthalate												
4,6-Dinitro-2-methylphenol												
2,4-Dinitrophenol												
2,6-Dinitrotoluene												
2,4-Dinitrotoluene												
Di-n-octyl Phthalate												
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl) Phthalate												
Fluoranthene												
Fluorene												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
2-Methylnaphthalene												
3+4-Methylphenol												
2-Methylphenol												
Naphthalene												
4-Nitroaniline	10	0.2622773	15	0.2720209	20	0.2626078	25	0.2571299				
2-Nitroaniline	10	0.351166	15	0.3684172	20	0.3630151	25	0.3444527				
3-Nitroaniline	10	0.2975429	15	0.310031	20	0.3035078	25	0.2903992				
Nitrobenzene												
2-Nitrophenol												
4-Nitrophenol												
N-Nitroso-dimethylamine												
N-Nitroso-diphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												

INITIAL CALIBRATION DATA (Continued)

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J06006

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/04/14 11:28

Instrument: 339

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF	ug/mL	CF
Phenanthrene												
Phenol												
Pyrene												
1,2,4-Trichlorobenzene												
2,4,5-Trichlorophenol												
2,4,6-Trichlorophenol												
2-Fluorophenol												
Phenol-d6												
Nitrobenzene-d5												
2-Fluorobiphenyl												
2,4,6-Tribromophenol												
o-Terphenyl												

INITIAL CALIBRATION DATA (Continued)

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J06006

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/04/14 11:28

Instrument: 339

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Acenaphthene	1.055312	5.25358	14.55487	7.724358E-02			SPCC (0.9)	
Acenaphthylene	1.602723	4.393623	14.1295	8.214774E-02			SPCC (0.9)	
Anthracene	0.9344171	4.985722	18.044	5.173135E-02			SPCC (0.7)	
Benzo(a)anthracene	0.9113378	2.48325	21.52463	2.080513E-02			SPCC (0.8)	
Benzo(a)pyrene	0.8566272	7.1272	23.141	2.394903E-02			SPCC (0.7)	
Benzo(b)fluoranthene	0.9083445	5.527464	22.72587	2.725789E-02			SPCC (0.7)	
Benzo(k)fluoranthene	1.026063	3.15284	22.76012	3.486101E-02			SPCC (0.7)	
Benzo(g,h,i)perylene	0.6387196	7.61587	25.34525	4.553444E-02			SPCC (0.5)	
Benzoic Acid	0.2268224	17.84198	10.02967	1.296726	0.99854		SPCC (0.01)	
Benzyl Alcohol	0.859675	2.490833	7.923375	0.1722406			SPCC (0.01)	
4-Bromophenyl Phenyl Ether	0.1689127	2.100179	17.02025	3.630102E-02			SPCC (0.1)	
Butyl Benzyl Phthalate	0.4682775	10.50662	20.94475	1.591296E-02			SPCC (0.01)	
Carbazole	0.8059797	8.007815	18.36762	3.695486E-02			SPCC (0.01)	
4-Chloro-3-methylphenol	0.2797675	3.321775	11.75875	0.1785154			SPCC (0.2)	
4-Chloroaniline	0.3678384	40.26709	10.585	0.4529083	0.99626		SPCC (0.01)	
Bis(2-chloroethoxy)methane	0.3898008	3.74573	9.91025	0.1088111			SPCC (0.3)	
Bis(2-chloroethyl) Ether	1.415296	2.618734	7.127625	0.1448202			SPCC (0.7)	
Bis(2-chloroisopropyl) Ether	2.250618	6.005558	8.241625	6.375109E-02			SPCC (0.01)	
2-Chloronaphthalene	0.9680318	9.426826	13.16188	0.0865703			SPCC (0.8)	
2-Chlorophenol	1.333337	1.865244	7.1825	0.1498012			SPCC (0.8)	
4-Chlorophenyl Phenyl Ether	0.5112369	6.968684	15.86187	4.093084E-02			SPCC (0.4)	
Chrysene	0.8904179	7.365808	21.5655	1.894266E-02			SPCC (0.7)	
Dibenz(a,h)anthracene	0.6055826	8.262144	24.88475	3.047144E-02			SPCC (0.4)	
Dibenzofuran	1.36941	5.889465	14.97475	0.07652			SPCC (0.8)	
Di-n-butyl Phthalate	0.9619959	4.51265	19.04238	1.909164E-02			SPCC (0.01)	
1,4-Dichlorobenzene	1.451559	3.5948	7.647375	7.666228E-02			SPCC (0.01)	
1,2-Dichlorobenzene	1.355521	4.918578	7.94825	5.393349E-02			SPCC (0.01)	
1,3-Dichlorobenzene	1.444903	3.219692	7.491125	7.025114E-02			SPCC (0.01)	
3,3'-Dichlorobenzidine	0.2873976	14.18997	21.5045	1.801017E-02			SPCC (0.01)	
2,4-Dichlorophenol	0.2539136	1.691595	10.05663	0.1378596			SPCC (0.2)	
Diethyl Phthalate	1.019087	6.02404	15.6865	0.1144026			SPCC (0.01)	
2,4-Dimethylphenol	0.3221636	2.181106	9.676875	0.1340301			SPCC (0.2)	

INITIAL CALIBRATION DATA (Continued)

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J06006

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/04/14 11:28

Instrument: 339

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Dimethyl Phthalate	1.081514	4.938774	13.972	0.1338532			SPCC (0.01)	
4,6-Dinitro-2-methylphenol	9.711342E-02	29.11492	15.96338	0.1161559	0.99618		SPCC (0.01)	
2,4-Dinitrophenol	0.1272305	18.38698	14.69367	0.1189967	0.99538		SPCC (0.01)	
2,6-Dinitrotoluene	0.2581995	5.169793	14.0695	0.1166464			SPCC (0.2)	
2,4-Dinitrotoluene	0.3239502	6.513591	15.01263	0.1336945			SPCC (0.2)	
Di-n-octyl Phthalate	0.9447342	18.77238	22.2565	0.0130943	0.99869		SPCC (0.01)	
1,2-Diphenylhydrazine	0.2003691	1.716698	16.23375	7.011121E-02			SPCC (0.01)	
Bis(2-ethylhexyl) Phthalate	0.5996469	7.980963	21.573	1.519157E-02			SPCC (0.01)	
Fluoranthene	0.9237645	4.840096	19.82275	0.029048			SPCC (0.6)	
Fluorene	1.107485	5.224583	15.79075	7.167247E-02			SPCC (0.9)	
Hexachlorobenzene	0.1846747	3.713902	17.08175	4.997294E-02			SPCC (0.1)	
Hexachlorobutadiene	0.1578851	4.978102	10.73575	4.357523E-02			SPCC (0.01)	
Hexachlorocyclopentadiene	0.2459124	4.507939	12.41525	3.880747E-02			SPCC (0.05)	
Hexachloroethane	0.5390411	3.739539	8.6525	2.511257E-02			SPCC (0.3)	
Indeno(1,2,3-cd)pyrene	0.7411104	6.853423	24.85638	3.277475E-02			SPCC (0.5)	
Isophorone	0.6426017	1.870804	9.37825	0.1910623			SPCC (0.4)	
2-Methylnaphthalene	0.6357622	5.211315	12.026	5.897713E-02			SPCC (0.4)	
3+4-Methylphenol	1.190003	2.683957	8.511375	0.2501219			SPCC (0.6)	
2-Methylphenol	1.194064	2.629472	8.166	0.1736242			SPCC (0.7)	
Naphthalene	0.9981756	5.597126	10.40712	6.753974E-02			SPCC (0.4)	
4-Nitroaniline	0.2482629	12.19309	15.86912	9.155607E-02	0.99878		SPCC (0.01)	
2-Nitroaniline	0.3358017	10.54199	13.4395	7.269326E-02	0.99809		SPCC (0.01)	
3-Nitroaniline	0.2883083	8.164527	14.4245	7.953035E-02	0.99839		SPCC (0.01)	
Nitrobenzene	0.349211	4.021674	8.826125	0.1440812			SPCC (0.2)	
2-Nitrophenol	0.1660685	5.27154	9.52125	9.606094E-02			SPCC (0.1)	
4-Nitrophenol	0.2039171	7.975627	14.91117	0.180593			SPCC (0.01)	
N-Nitroso-dimethylamine	0.7385079	1.827985	3.198	0.6736844			SPCC (0.01)	
N-Nitroso-diphenylamine	0.5529454	3.591055	16.15563	9.416826E-02			SPCC (0.01)	
N-Nitroso-di-n-propylamine	0.9015026	2.3873	8.515125	0.1909239			SPCC (0.01)	
Pentachlorophenol	0.108286	13.77702	17.54	3.788402E-02			SPCC (0.05)	
Phenanthrene	0.9682669	6.803786	17.94875	4.422087E-02			SPCC (0.7)	
Phenol	1.680502	3.83442	6.93525	0.3510328			SPCC (0.8)	

INITIAL CALIBRATION DATA (Continued)

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Calibration: 4J06006

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration Date: 10/04/14 11:28

Instrument: 339

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Pyrene	1.186095	3.210241	20.11312	0.0188087			SPCC (0.6)	
1,2,4-Trichlorobenzene	0.2893276	4.360883	10.24612	5.930717E-02			SPCC (0.01)	
2,4,5-Trichlorophenol	0.299758	4.062867	12.77925	0.1076267			SPCC (0.2)	
2,4,6-Trichlorophenol	0.2865524	3.927457	12.71313	6.055593E-02			SPCC (0.2)	
2-Fluorophenol	1.142379	2.906922	5.192625	0.3939589			15	
Phenol-d6	1.478802	3.141836	6.9085	0.3404948			15	
Nitrobenzene-d5	0.3184082	3.272975	8.786875	0.1699515			15	
2-Fluorobiphenyl	1.029273	8.463409	12.94388	8.844222E-02			15	
2,4,6-Tribromophenol	0.1182789	5.597125	16.36263	7.746872E-02			15	
o-Terphenyl	0.4286711	9.575637	18.66488	3.810567E-02			15	

Method Path : C:\msdchem\1\methods\
Method File : 100414bna.M
Title : 8270/625 BNA
Last Update : Sun Oct 05 11:48:14 2014
Response Via : Initial Calibration

Total Cpnds : 95

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dichlorobenzene-d4	152	7.620	1.000	A	2	A	L
2		N-Nitroso-dimethylamine	74	3.248	0.426	A	1	A	B
3		Pyridine	79	3.266	0.429	A	1	A	B
4	S	2-Fluorophenol	112	5.236	0.687	A	1	A	L
5		Aniline	93	6.984	0.917	L	1	A	B
6	S	Phenol-d6	99	6.949	0.912	A	1	A	L
7	C	Phenol	94	6.978	0.916	A	1	A	L
8		Bis(2-chloroethyl)ether	93	7.147	0.938	A	1	A	B
9		2-Chlorophenol	128	7.206	0.946	A	2	A	B
10		1,3-Dichlorobenzene	146	7.503	0.985	A	1	A	R
11	C	1,4-Dichlorobenzene	146	7.660	1.005	A	1	A	R
12		1,2-Dichlorobenzene	146	7.958	1.044	A	1	A	R
13		Bis(2-chloroisipropyl)ether	45	8.249	1.083	A	1	A	B
14		Benzyl Alcohol	108	7.946	1.043	A	1	A	B
15		2-Methylphenol	108	8.191	1.075	A	2	A	B
16		Acetophenone	105	8.500	1.116	A	2	A	B
17		Hexachloroethane	119	8.657	1.136	A	2	A	B
18		4-Methylphenol	108	8.546	1.122	A	2	A	B
19	P	N-Nitroso-di-n-propylamine	70	8.540	1.121	A	1	A	B
20	I	Naphthalene-d8	136	10.365	1.000	A	1	A	B
21	S	Nitrobenzene-d5	82	8.814	0.850	A	2	A	B
22		Nitrobenzene	77	8.849	0.854	A	2	A	B
23	S	Decafluorobiphenyl	334	9.024	0.871	A	1	A	B
24		Isophorone	82	9.409	0.908	A	1	A	B
25		2-Chloroaniline	127	9.467	0.913	A	2	A	B
26	C	2-Nitrophenol	139	9.537	0.920	A	2	A	B
27		2,4-Dimethylphenol	107	9.700	0.936	A	1	A	B
28		Bis(2-chlorethoxy)methane	93	9.928	0.958	A	1	A	B
29	C	2,4-Dichlorophenol	162	10.079	0.972	A	2	A	B
30		Benzoic Acid	105	10.189	0.983	L	2	A	B
31		1,2,4-Trichlorobenzene	180	10.254	0.989	A	1	A	B
32		Naphthalene	128	10.417	1.005	A	1	A	B
33		4-Chloroaniline	127	10.598	1.022	A	1	A	L
34		2,6-Dichlorophenol	162	10.586	1.021	A	2	A	B
35	C	Hexachlorobutadiene	225	10.744	1.037	A	2	A	B
36		Caprolactam	55	11.495	1.109	A	2	A	B
37		1,2-Bis(2-chloroethoxy)ethane	63	11.624	1.121	A	2	A	B
38	C	4-Chloro-3-methylphenol	107	11.793	1.138	A	2	A	B
39		2-Methylnaphthalene	142	12.038	1.161	A	2	A	R
40		1-Methylnaphthalene	142	12.265	1.183	A	2	A	R
41		1,3 Dinitrobenzene	168	13.996	1.350	L	0	A	B
42	I	Acenaphthene-d10	164	14.486	1.000	A	2	A	B
43		1,2,4,5-Tetrachlorobenzene	216	12.434	0.858	A	2	A	B
44	P	Hexachlorocyclopentadiene	237	12.422	0.858	A	2	A	B
45	C	2,4,6-Trichlorophenol	196	12.725	0.878	A	2	A	R
46		2,4,5-Trichlorophenol	196	12.801	0.884	A	2	A	R
47	S	2-Fluorobiphenyl	172	12.964	0.895	A	2	A	B
48		2-Chloronaphthalene	162	13.180	0.910	A	1	A	B
49		1,1'-Biphenyl	154	13.174	0.909	A	2	A	B
50		2-Nitroaniline	138	13.465	0.930	A	2	A	B
51		Acenaphthylene	152	14.148	0.977	A	1	A	B
52		2,6-Dinitrotoluene	165	14.095	0.973	A	2	A	B
53		Dimethyl Phthalate	163	14.002	0.967	A	1	A	B
54		3-Nitroaniline	138	14.462	0.998	A	2	A	B

56	P	2,4-Dinitrophenol	184	14.718	1.016	L	2	A	B
57	P	Dibenzofuran	168	14.993	1.035	A	1	A	B
58		4-Nitrophenol	65	14.946	1.032	A	2	A	B
59		2,4-Dinitrotoluene	165	15.045	1.039	A	2	A	B
60		2,3,5,6-Tetrachlorophenol	232	15.196	1.049	A	2	A	R
61		2,3,4,6-Tetrachlorophenol	232	15.301	1.056	A	2	A	R
62		Fluorene	166	15.809	1.091	A	2	A	B
63		Diethyl Phthalate	149	15.716	1.085	A	1	A	B
64		4-Chlorophenyl Phenyl Ether	204	15.873	1.096	A	2	A	B
65		4-Nitroaniline	138	15.920	1.099	A	2	A	B
66	I	Phenanthrene-d10	188	17.907	1.000	A	2	A	B
67		4,6-Dinitro-2-methylphenol	198	15.995	0.893	L	2	A	B
68	C	N-Nitroso-diphenylamine	169	16.182	0.904	A	2	A	B
69		1,2-Diphenylhydrazine	182	16.252	0.908	A	1	A	B
70	S	2,4,6-Tribromophenol	330	16.386	0.915	A	2	A	B
71		4-Bromophenyl Phenyl Ether	248	17.033	0.951	A	1	A	B
72		Hexachlorobenzene	284	17.097	0.955	A	2	A	B
73		Atrazine	200	17.511	0.978	A	1	A	B
74	C	Pentachlorophenol	266	17.552	0.980	A	2	A	B
75		Phenanthrene	178	17.960	1.003	A	1	A	R
76		Anthracene	178	18.059	1.008	A	1	A	R
77		Carbazole	167	18.379	1.026	A	2	A	B
78	S	o-Terphenyl	230	18.676	1.043	A	2	A	B
79		Di-n-butyl Phthalate	149	19.049	1.064	A	1	A	B
80	C	Fluoroanthene	202	19.831	1.107	A	1	A	R
81	I	Chrysene-d12	240	21.544	1.000	A	2	A	B
82		Pyrene	202	20.122	0.934	A	1	A	R
83		Butyl Benzyl Phthalate	149	20.950	0.972	A	1	A	B
84		Bis(2-ethylhexyl) adipate	129	21.049	0.977	L	2	A	B
85		Benzo(a)anthracene	228	21.532	0.999	A	2	A	R
86		Chrysene	228	21.573	1.001	A	1	A	R
87		Bis(2-ethylhexyl)phthalate	149	21.573	1.001	A	1	A	B
88	C	Di-n-octyl Phthalate	149	22.261	1.033	L	1	A	B
89	I	Perylene-d12	264	23.217	1.000	A	2	A	B
90		Benzo(b)fluoroanthene	252	22.733	0.979	A	2	A	R
91		Benzo(k)fluoranthene	252	22.774	0.981	A	1	A	R
92	C	Benzo(a)pyrene	252	23.153	0.997	A	1	A	R
93		Indeno(1,2,3-cd)pyrene	276	24.872	1.071	A	1	A	L
94		Dibdenz(a,h)anthracene	278	24.896	1.072	A	1	A	B
95		Benzo(g,h,i)Perylene	276	25.362	1.092	A	1	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

100414bna.M Sun Oct 05 11:52:12 2014 339

Response Factor Report 339

Method Path : C:\msdchem\1\methods\
Method File : 100414bna.M
Title : 8270/625 BNA
Last Update : Sun Oct 05 11:48:14 2014
Response Via : Initial Calibration

Calibration Files
2 =05bna1004.D 3 =1bna1004.D 4 =2bna1004.D 5 =5bna1004.D 6 =10bna1004.D 7 =15bna1004.D 8 =20bna1004.D
9 =25bna1004.D

		Compound	2	3	4	Avg	5	6	7	8	9	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD										
2)		N-Nitroso-dime...	0.739	0.728	0.724	0.762	0.731	0.739	0.729	0.755	0.739		1.83
3)		Pyridine	1.285	1.282	1.250	1.291	1.255	1.252	1.230	1.273	1.265		1.67
4)	S	2-Fluorophenol	1.161	1.117	1.099	1.192	1.109	1.171	1.131	1.160	1.142		2.91
5)		Aniline	0.796	0.799	0.911	1.194	1.251	1.280	1.238	1.216	1.086		19.50
6)	S	Phenol-d6	1.548	1.446	1.429	1.538	1.437	1.507	1.452	1.473	1.479		3.14
7)	C	Phenol	1.785	1.721	1.661	1.740	1.656	1.673	1.612	1.595	1.681		3.83
8)		Bis(2-chloroet...	1.478	1.445	1.401	1.448	1.383	1.399	1.375	1.392	1.415		2.62
9)		2-Chlorophenol	1.370	1.335	1.295	1.349	1.302	1.345	1.326	1.344	1.333		1.87
10)		1,3-Dichlorobe...	1.517	1.498	1.439	1.474	1.406	1.429	1.400	1.396	1.445		3.22
11)	C	1,4-Dichlorobe...	1.542	1.502	1.443	1.480	1.412	1.438	1.401	1.395	1.452		3.59
12)		1,2-Dichlorobe...	1.452	1.430	1.362	1.398	1.309	1.335	1.288	1.270	1.356		4.92
13)		Bis(2-chlorois...	2.485	2.386	2.274	2.289	2.168	2.193	2.116	2.094	2.251		6.01
14)		Benzyl Alcohol	0.858	0.847	0.836	0.903	0.860	0.876	0.845	0.852	0.860		2.49
15)		2-Methylphenol	1.242	1.202	1.160	1.234	1.165	1.201	1.170	1.179	1.194		2.63
16)		Acetophenone	1.952	1.814	1.755	1.833	1.741	1.803	1.750	1.769	1.802		3.83
17)		Hexachloroethane	0.577	0.555	0.535	0.545	0.512	0.534	0.525	0.529	0.539		3.74
18)		4-Methylphenol	1.226	1.222	1.174	1.232	1.152	1.184	1.158	1.171	1.190		2.68
19)	P	N-Nitroso-di-n...	0.935	0.897	0.880	0.925	0.871	0.903	0.891	0.910	0.902		2.39
20)	I	Naphthalene-d8	ISTD										
21)	S	Nitrobenzene-d5	0.327	0.312	0.313	0.336	0.307	0.328	0.315	0.319	0.320		3.11
22)		Nitrobenzene	0.373	0.359	0.351	0.359	0.340	0.345	0.336	0.330	0.349		4.02
23)	S	Decafluorobiph...	0.245	0.224	0.221	0.231	0.211	0.225	0.217	0.220	0.224		4.53
24)		Isophorone	0.644	0.653	0.637	0.663	0.630	0.650	0.633	0.631	0.643		1.87
25)		2-Chloroaniline	0.415	0.397	0.392	0.411	0.405	0.420	0.417	0.416	0.409		2.51
26)	C	2-Nitrophenol	0.152	0.157	0.158	0.175	0.167	0.174	0.172	0.172	0.166		5.27
27)		2,4-Dimethylph...	0.326	0.329	0.310	0.331	0.318	0.326	0.319	0.318	0.322		2.18
28)		Bis(2-chloreth...	0.411	0.408	0.382	0.400	0.380	0.387	0.376	0.374	0.390		3.75
29)	C	2,4-Dichloroph...	0.252	0.251	0.248	0.262	0.254	0.258	0.254	0.252	0.254		1.69
30)		Benzoic Acid			0.155	0.208	0.232	0.242	0.260	0.263	0.227		17.84
31)		1,2,4-Trichlor...	0.306	0.307	0.289	0.297	0.278	0.285	0.278	0.275	0.289		4.36
32)		Naphthalene	1.083	1.055	1.007	1.034	0.963	0.973	0.944	0.925	0.998		5.60
33)		4-Chloroaniline	0.225	0.219	0.217	0.259	0.267	0.273	0.258	0.237	0.244		9.17
34)		2,6-Dichloroph...	0.258	0.257	0.247	0.261	0.248	0.255	0.247	0.245	0.252		2.47
35)	C	Hexachlorobuta...	0.172	0.163	0.159	0.163	0.150	0.156	0.151	0.149	0.158		4.98
36)		Caprolactam	0.138	0.139	0.135	0.154	0.151	0.147	0.146	0.142	0.144		4.48
37)		1,2-Bis(2-chlo...	0.340	0.345	0.311	0.339	0.326	0.324	0.315	0.311	0.326		4.16

004074

Method Path : C:\msdchem\1\methods\
Method File : 100414bna.M
Title : 8270/625 BNA

38)	C	4-Chloro-3-met...	0.267	0.273	0.268	0.291	0.283	0.289	0.284	0.282	0.280	3.32
39)		2-Methylnaphth...	0.688	0.672	0.637	0.653	0.616	0.622	0.601	0.597	0.636	5.21
40)		1-Methylnaphth...	0.622	0.606	0.581	0.594	0.564	0.570	0.549	0.544	0.579	4.72
41)		1,3 Dinitroben...	0.088	0.095	0.096	0.111	0.106	0.106	0.104	0.101	0.101	7.43
42)	I	Acenaphthene-d10					ISTD					
43)		1,2,4,5-Tetrac...	0.490	0.481	0.464	0.455	0.419	0.429	0.409	0.396	0.443	7.83
44)	P	Hexachlorocycl...	0.232	0.234	0.235	0.260	0.247	0.258	0.250	0.251	0.246	4.51
45)	C	2,4,6-Trichlor...	0.265	0.279	0.279	0.294	0.289	0.298	0.295	0.293	0.287	3.93
46)		2,4,5-Trichlor...	0.278	0.295	0.287	0.311	0.301	0.313	0.308	0.305	0.300	4.06
47)	S	2-Fluorobiphenyl	1.178	1.092	1.059	1.087	0.964	1.005	0.953	0.926	1.033	8.30
48)		2-Chloronaphth...	1.082	1.072	1.024	1.012	0.919	0.916	0.876	0.842	0.968	9.43
49)		1,1'-Biphenyl	1.519	1.462	1.375	1.381	1.255	1.246	1.179	1.124	1.318	10.53
50)		2-Nitroaniline	0.270	0.293	0.305	0.359	0.346	0.351	0.350	0.343	0.327	10.09
51)		Acenaphthylene	1.658	1.703	1.627	1.660	1.554	1.585	1.531	1.504	1.603	4.39
52)		2,6-Dinitrotol...	0.232	0.256	0.254	0.278	0.264	0.267	0.259	0.257	0.258	5.17
53)		Dimethyl Phtha...	1.140	1.138	1.085	1.129	1.078	1.063	1.028	0.992	1.082	4.94
54)		3-Nitroaniline	0.241	0.238	0.236	0.251	0.237	0.216	0.206	0.189	0.227	9.19
55)	C	Acenaphthene	1.142	1.107	1.061	1.096	1.016	1.032	1.004	0.985	1.055	5.25
56)	P	2,4-Dinitrophenol			0.088	0.114	0.132	0.131	0.147	0.152	0.127	18.39
57)	P	Dibenzofuran	1.493	1.463	1.366	1.410	1.330	1.340	1.293	1.261	1.369	5.89
58)		4-Nitrophenol			0.189	0.234	0.209	0.198	0.198	0.196	0.204	7.98
59)		2,4-Dinitrotol...	0.286	0.317	0.312	0.357	0.339	0.332	0.330	0.319	0.324	6.51
60)		2,3,5,6-Tetrac...	0.211	0.233	0.232	0.263	0.258	0.260	0.259	0.255	0.246	7.57
61)		2,3,4,6-Tetrac...	0.240	0.239	0.226	0.265	0.253	0.258	0.255	0.250	0.248	4.95
62)		Fluorene	1.188	1.163	1.105	1.159	1.086	1.081	1.057	1.021	1.107	5.22
63)		Diethyl Phthalate	1.116	1.083	1.013	1.053	1.002	0.987	0.967	0.932	1.019	6.02
64)		4-Chlorophenyl...	0.569	0.551	0.505	0.530	0.495	0.493	0.479	0.467	0.511	6.97
65)		4-Nitroaniline	0.237	0.230	0.217	0.153	0.139	0.093	0.118	0.123	0.164	34.29
66)		Phenanthrene-d10					ISTD					
67)		4,6-Dinitro-2-...			0.064	0.084	0.104	0.108	0.114	0.124	0.128	0.104	21.84
68)	C	N-Nitroso-diph...	0.585	0.572	0.555	0.567	0.533	0.542	0.539	0.531	0.553	3.59
69)		1,2-Diphenylhy...	0.203	0.206	0.198	0.202	0.194	0.199	0.200	0.200	0.200	1.72
70)	S	2,4,6-Tribromo...	0.070	0.068	0.072	0.079	0.073	0.081	0.080	0.083	0.076	7.37
71)		4-Bromophenyl ...	0.169	0.173	0.171	0.174	0.163	0.168	0.167	0.167	0.169	2.10
72)		Hexachlorobenzene	0.193	0.194	0.189	0.183	0.173	0.184	0.182	0.182	0.185	3.71
73)		Atrazine	0.164	0.163	0.162	0.178	0.162	0.164	0.169	0.171	0.167	3.43
74)	C	Pentachlorophenol	0.085	0.088	0.101	0.115	0.121	0.117	0.119	0.121	0.108	13.78
75)		Phenanthrene	1.070	1.033	0.982	1.007	0.935	0.935	0.908	0.877	0.968	6.80
76)		Anthracene	0.984	0.982	0.934	0.985	0.925	0.913	0.888	0.863	0.934	4.99
77)		Carbazole	0.877	0.843	0.825	0.882	0.797	0.758	0.776	0.690	0.806	8.01
78)	S	o-Terphenyl	0.499	0.447	0.456	0.450	0.391	0.412	0.386	0.387	0.429	9.58
79)		Di-n-butyl Pht...	0.898	0.925	0.926	1.032	0.970	0.993	0.982	0.969	0.962	4.51
80)	C	Fluoroanthene	0.993	0.960	0.916	0.970	0.889	0.909	0.883	0.872	0.924	4.84
81)	I	Chrysene-d12					ISTD					
82)		Pyrene	1.207	1.199	1.218	1.215	1.133	1.226	1.146	1.145	1.186	3.21

004075

Method Path : C:\msdchem\1\methods\
Method File : 100414bna.M
Title : 8270/625 BNA

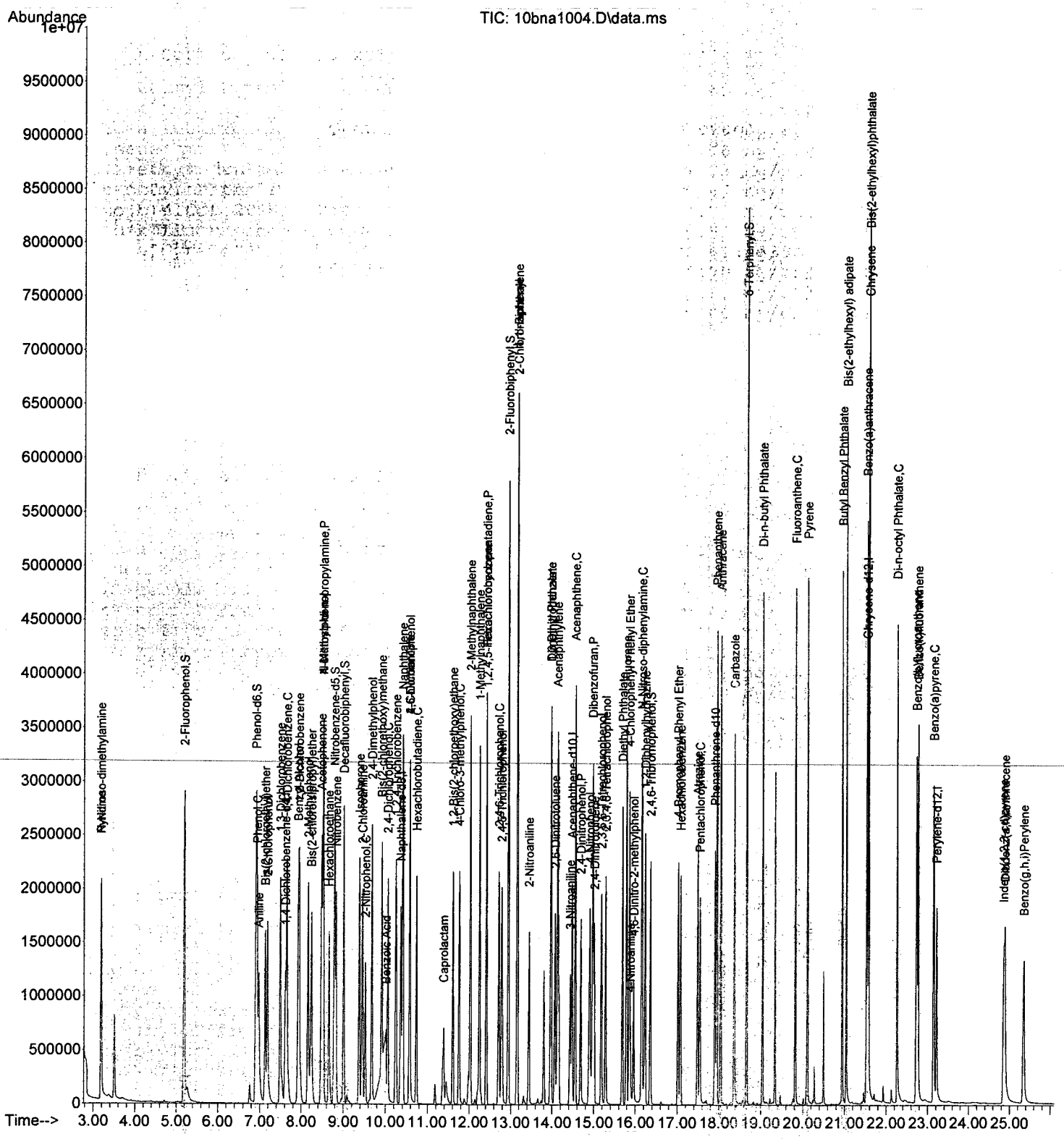
83)		Butyl Benzyl P...	0.389	0.406	0.439	0.505	0.506	0.512	0.497	0.491	0.468	10.51
84)		Bis(2-ethylhex...	0.330	0.356	0.393	0.469	0.473	0.479	0.462	0.456	0.427	13.81
85)		Benzo(a)anthra...	0.953	0.891	0.912	0.938	0.895	0.902	0.905	0.896	0.911	2.48
86)		Chrysene	0.974	0.961	0.904	0.935	0.867	0.874	0.812	0.795	0.890	7.37
87)		Bis(2-ethylhex...	0.536	0.551	0.584	0.664	0.651	0.640	0.604	0.567	0.600	7.98
88)	C	Di-n-octyl Pht...	0.701	0.716	0.793	1.016	1.124	1.045	1.062	1.101	0.945	18.77
89)	I	Perylene-d12	ISTD									
90)		Benzo(b)fluoro...	0.828	0.863	0.872	0.912	0.931	0.969	0.924	0.966	0.908	5.53
91)		Benzo(k)fluora...	0.998	1.046	1.051	1.061	0.965	1.043	1.033	1.011	1.026	3.15
92)	C	Benzo(a)pyrene	0.764	0.779	0.814	0.903	0.890	0.914	0.890	0.901	0.857	7.13
93)		Indeno(1,2,3-c...	0.701	0.717	0.721	0.859	0.754	0.725	0.708	0.743	0.741	6.85
94)		Dibdenz(a,h)an...	0.533	0.576	0.581	0.705	0.619	0.609	0.592	0.630	0.606	8.26
95)		Benzo(g,h,i)Pe...	0.646	0.669	0.654	0.734	0.619	0.610	0.586	0.592	0.639	7.62

(#) = Out of Range

004076

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 10bna1004.D
Acq On : 4 Oct 2014 12:41
Operator : JLB
Sample : 10bna1004 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 05 11:38:30 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 04 11:30:27 2014
Response via : Initial Calibration



004077

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 10bna1004.D
Acq On : 4 Oct 2014 12:41
Operator : JLB
Sample : 10bna1004 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 05 11:38:30 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 04 11:30:27 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.614	152	403279	5.00	ng/uL	#-0.01
20) Naphthalene-d8	10.359	136	1529030	5.00	ng/uL	-0.01
42) Acenaphthene-d10	14.474	164	866604	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.901	188	1400442	5.00	ng/uL	0.00
81) Chrysene-d12	21.538	240	1153654	5.00	ng/uL	# 0.00
89) Perylene-d12	23.211	264	991596	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.189	112	1789353	19.94	ng/uL	-0.01
6) Phenol-d6	6.909	99	2317488	19.97	ng/uL	0.00
21) Nitrobenzene-d5	8.785	82	1877569	19.37	ng/uL	0.00
23) Decafluorobiphenyl	9.013	334	1289774	18.79	ng/uL	0.00
47) 2-Fluorobiphenyl	12.941	172	3342887	18.99	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.363	330	410940	20.12	ng/uL	0.00
78) o-Terphenyl	18.665	230	2187604	17.59	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.184	74	589826	10.76	ng/uL	83
3) Pyridine	3.184	79	1012577	10.98	ng/uL#	80
5) Aniline	6.973	93	1009173	10.39	ng/uL	95
7) Phenol	6.938	94	1335939	10.16	ng/uL	91
8) Bis(2-chloroethyl)ether	7.130	93	1115653	9.98	ng/uL	92
9) 2-Chlorophenol	7.182	128	1050100	10.18	ng/uL#	34
10) 1,3-Dichlorobenzene	7.491	146	1134226	9.78	ng/uL	98
11) 1,4-Dichlorobenzene	7.649	146	1138521	9.78	ng/uL	96
12) 1,2-Dichlorobenzene	7.946	146	1055699	9.72	ng/uL	94
13) Bis(2-chloroisipropyl)...	8.243	45	1748397	9.41	ng/uL	96
14) Benzyl Alcohol	7.923	108	693700	10.49	ng/uL	86
15) 2-Methylphenol	8.167	108	939569	10.14	ng/uL	97
16) Acetophenone	8.476	105	1404090	10.35	ng/uL	89
17) Hexachloroethane	8.651	119	412591	9.50	ng/uL	97
18) 4-Methylphenol	8.511	108	929429	10.19	ng/uL#	48
19) N-Nitroso-di-n-propyla...	8.517	70	702827	10.16	ng/uL#	73
22) Nitrobenzene	8.826	77	1040721	9.81	ng/uL#	1
24) Isophorone	9.380	82	1927336	9.85	ng/uL	98
25) 2-Chloroaniline	9.450	127	1237349	10.02	ng/uL	99
26) 2-Nitrophenol	9.520	139	512187	10.09	ng/uL#	86
27) 2,4-Dimethylphenol	9.677	107	972202	10.29	ng/uL#	59
28) Bis(2-chlorethoxy)methane	9.910	93	1160890	10.28	ng/uL	95
29) 2,4-Dichlorophenol	10.056	162	777167	10.73	ng/uL	99
30) Benzoic Acid	10.015	105	1420679	23.14	ng/uL	96
31) 1,2,4-Trichlorobenzene	10.248	180	851123	9.60	ng/uL	99
32) Naphthalene	10.406	128	2946122	9.66	ng/uL	99
33) 4-Chloroaniline	10.575	127	817378	11.53	ng/uL#	71
34) 2,6-Dichlorophenol	10.575	162	758458	10.98	ng/uL	98
35) Hexachlorobutadiene	10.738	225	459334	9.57	ng/uL	98
36) Caprolactam	11.385	55	460891m	10.89	ng/uL	
37) 1,2-Bis(2-chloroethoxy...	11.606	63	997014	11.26	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.758	107	864349	10.95	ng/uL	93
39) 2-Methylnaphthalene	12.026	142	1885016	10.11	ng/uL	99
40) 1-Methylnaphthalene	12.248	142	1724972	10.07	ng/uL	99
41) 1,3 Dinitrobenzene	13.973	168	324100	11.43	ng/uL	100

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 10bna1004.D
Acq On : 4 Oct 2014 12:41
Operator : JLB
Sample : 10bna1004 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

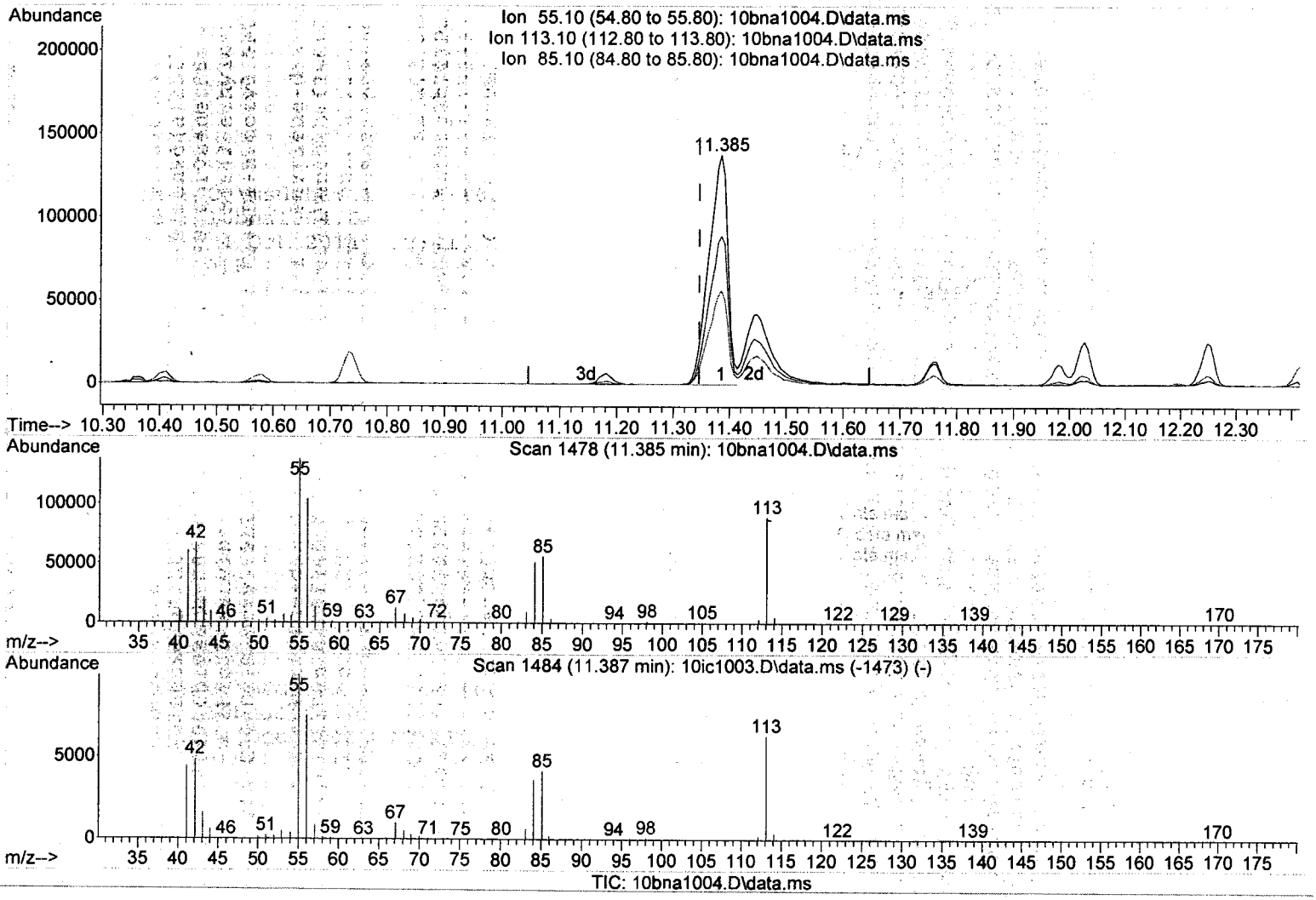
Quant Time: Oct 05 11:38:30 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 04 11:30:27 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.422	216	726561	9.17	ng/uL	99
44) Hexachlorocyclopentadiene	12.417	237	428550	10.41	ng/uL	98
45) 2,4,6-Trichlorophenol	12.714	196	501068	10.81	ng/uL	95
46) 2,4,5-Trichlorophenol	12.784	196	521350	10.92	ng/uL#	92
48) 2-Chloronaphthalene	13.163	162	1592644	9.57	ng/uL	93
49) 1,1'-Biphenyl	13.157	154	2175132	9.77	ng/uL	96
50) 2-Nitroaniline	13.442	138	600273	10.62	ng/uL	99
51) Acenaphthylene	14.130	152	2693236	9.89	ng/uL#	87
52) 2,6-Dinitrotoluene	14.072	165	456936	11.18	ng/uL	95
53) Dimethyl Phthalate	13.973	163	1867826	10.97	ng/uL	100
54) 3-Nitroaniline	14.433	138	411350	13.63	ng/uL#	1
55) Acenaphthene	14.556	153	1760338	9.71	ng/uL	97
56) 2,4-Dinitrophenol	14.690	184	455950	22.40	ng/uL	93
57) Dibenzofuran	14.975	168	2304352	10.34	ng/uL	100
58) 4-Nitrophenol	14.905	65	725362	22.99	ng/uL	97
59) 2,4-Dinitrotoluene	15.016	165	587273	11.07	ng/uL#	84
60) 2,3,5,6-Tetrachlorophenol	15.185	232	447207	10.88	ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.284	232	438248	10.80	ng/uL	96
62) Fluorene	15.791	166	1881404	10.52	ng/uL	98
63) Diethyl Phthalate	15.686	149	1737427	10.29	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.861	204	858558	10.65	ng/uL	92
65) 4-Nitroaniline	15.885	138	241721	12.89	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.960	198	303788	9.86	ng/uL	97
68) N-Nitroso-diphenylamine	16.159	169	1493904	9.90	ng/uL	98
69) 1,2-Diphenylhydrazine	16.234	182	544099	9.94	ng/uL	81
71) 4-Bromophenyl Phenyl E...	17.021	248	456672	9.84	ng/uL	99
72) Hexachlorobenzene	17.079	284	483210	8.89	ng/uL	97
73) Atrazine	17.487	200	454054	10.11	ng/uL	99
74) Pentachlorophenol	17.540	266	339217	10.43	ng/uL	96
75) Phenanthrene	17.948	178	2618003	9.69	ng/uL	99
76) Anthracene	18.047	178	2590457	10.08	ng/uL	100
77) Carbazole	18.368	167	2233587	10.73	ng/uL	98
79) Di-n-butyl Phthalate	19.044	149	2716659	10.31	ng/uL	99
80) Fluoroanthene	19.825	202	2490024	9.73	ng/uL	94
82) Pyrene	20.116	202	2613385	9.22	ng/uL	99
83) Butyl Benzyl Phthalate	20.944	149	1167320	10.85	ng/uL	89
84) Bis(2-ethylhexyl) adipate	21.043	129	1091645	10.00	ng/uL#	100
85) Benzo(a)anthracene	21.527	228	2064130	9.79	ng/uL	98
86) Chrysene	21.568	228	2000598	9.76	ng/uL#	88
87) Bis(2-ethylhexyl)phtha...	21.573	149	1501471	11.23	ng/uL	93
88) Di-n-octyl Phthalate	22.255	149	2593325	10.47	ng/uL	99
90) Benzo(b)fluoroanthene	22.727	252	1847046	10.72	ng/uL	99
91) Benzo(k)fluoranthene	22.762	252	1913744	9.51	ng/uL	96
92) Benzo(a)pyrene	23.141	252	1764980	10.61	ng/uL	100
93) Indeno(1,2,3-cd)pyrene	24.855	276	1495977	9.70	ng/uL#	89
94) Dibdenz(a,h)anthracene	24.884	278	1226910	9.88	ng/uL#	91
95) Benzo(g,h,i)Perylene	25.350	276	1227615	9.06	ng/uL	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 10bna1004.D
Acq On : 4 Oct 2014 12:41
Operator : JLB
Sample : 10bna1004 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 05 11:37:33 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 04 11:30:27 2014
Response via : Initial Calibration



(36) Caprolactam

11.385min (+ 0.039) 7.76 ng/uL

response 326474

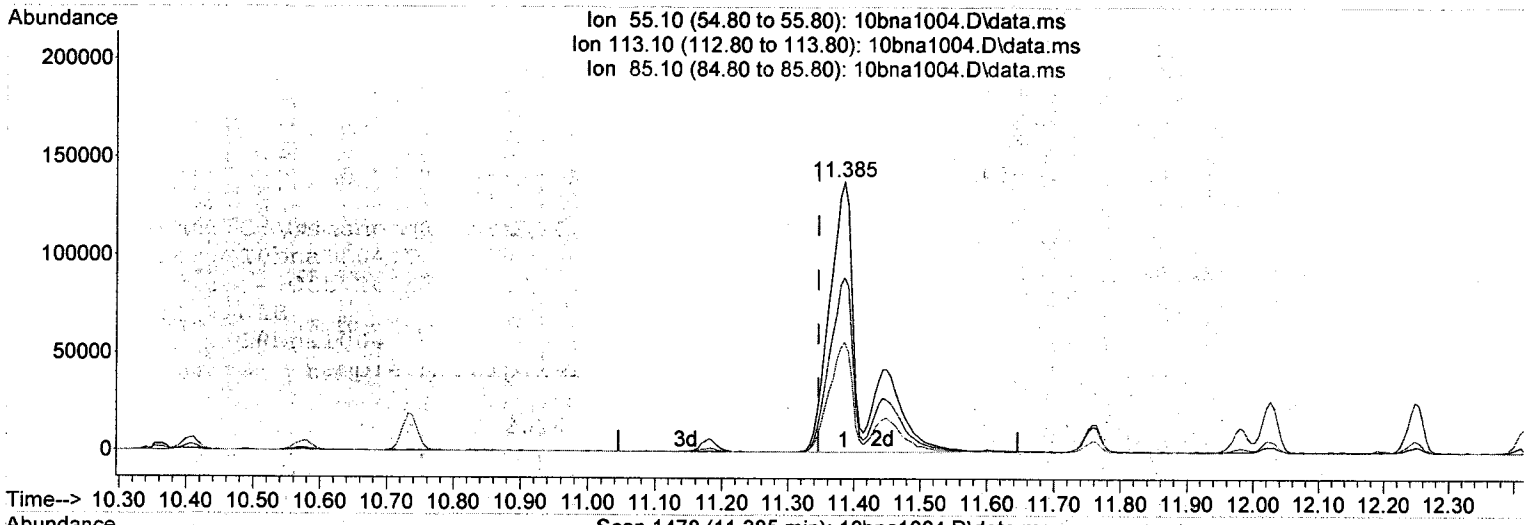
Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	65.18
85.10	46.10	41.32
0.00	0.00	0.00

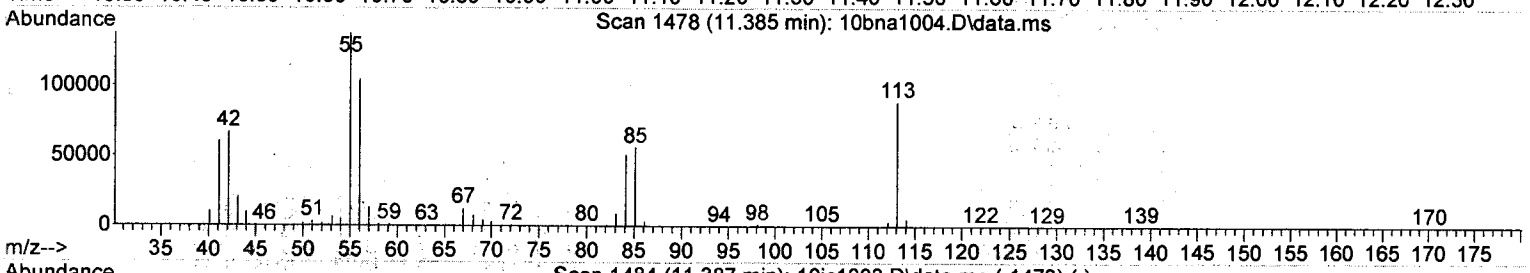
JLB 10/6/14

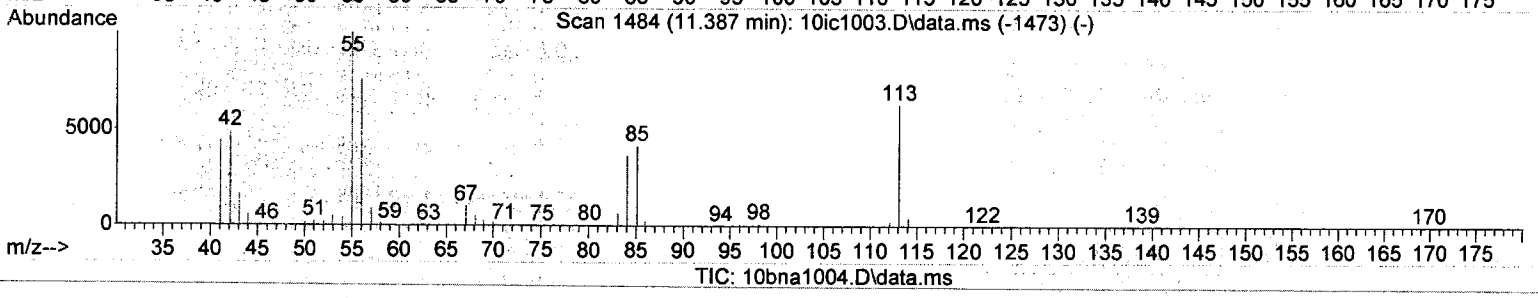
DWS 10-07-14

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 10bna1004.D
Acq On : 4 Oct 2014 12:41
Operator : JLB
Sample : 10bna1004 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 05 11:37:33 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sat Oct 04 11:30:27 2014
Response via : Initial Calibration







TIC: 10bna1004.D\data.ms

(36) Caprolactam

11.385min (+ 0.039) 10.89 ng/uL m

response 460891

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	46.17#
85.10	46.10	29.27#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) No

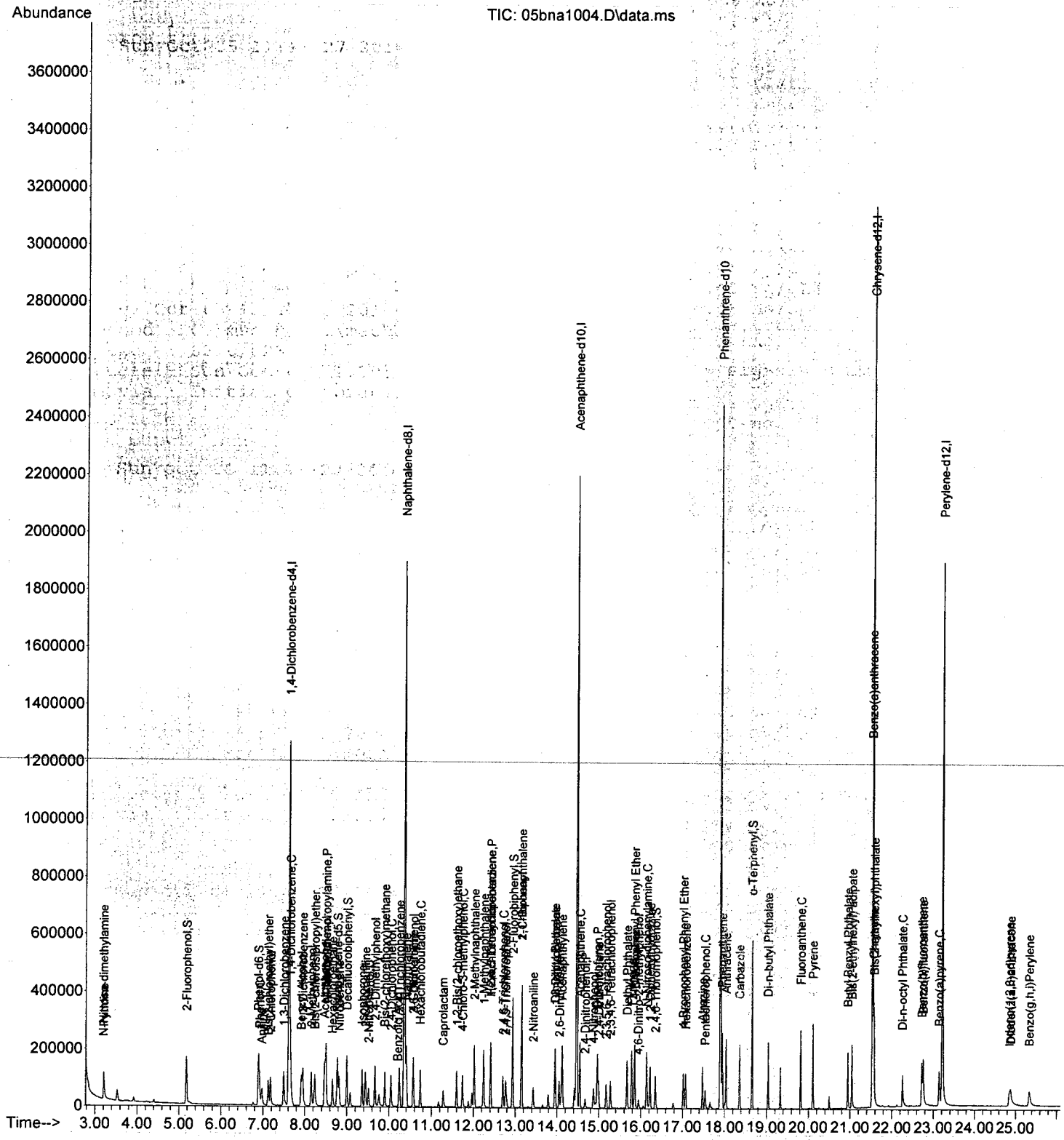
Analyst: JLB Date: 10/6/14

Reviewed by: DNC Date: 10-07-14

004081

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05bna1004.D
Acq On : 4 Oct 2014 13:13
Operator : JLB
Sample : 05bna1004 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:40:13 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:39:26 2014
Response via : Initial Calibration



004082

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05bna1004.D
Acq On : 4 Oct 2014 13:13
Operator : JLB
Sample : 05bna1004 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:40:13 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:39:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	408471	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.353	136	1572744	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.468	164	877895	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.901	188	1419161	5.00	ng/uL		0.00
81) Chrysene-d12	21.533	240	1233838	5.00	ng/uL	#	0.00
89) Perylene-d12	23.211	264	1038124	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	94824	1.04	ng/uL		-0.01
6) Phenol-d6	6.885	99	126450	1.08	ng/uL		-0.02
21) Nitrobenzene-d5	8.774	82	102835	1.03	ng/uL		-0.01
23) Decafluorobiphenyl	9.001	334	76913	1.09	ng/uL		-0.01
47) 2-Fluorobiphenyl	12.935	172	206810	1.16	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.351	330	19737	0.96	ng/uL		-0.01
78) o-Terphenyl	18.659	230	141733	1.13	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.202	74	30200	0.54	ng/uL		90
3) Pyridine	3.207	79	52476	0.56	ng/uL	#	83
5) Aniline	6.967	93	32504	0.72	ng/uL		92
7) Phenol	6.914	94	72901	0.55	ng/uL		95
8) Bis(2-chloroethyl)ether	7.118	93	60385	0.53	ng/uL		89
9) 2-Chlorophenol	7.177	128	55960	0.53	ng/uL	#	31
10) 1,3-Dichlorobenzene	7.491	146	61984	0.53	ng/uL		98
11) 1,4-Dichlorobenzene	7.643	146	62972	0.53	ng/uL	#	81
12) 1,2-Dichlorobenzene	7.946	146	59306	0.54	ng/uL		96
13) Bis(2-chloroisipropyl)...	8.237	45	101488	0.54	ng/uL		95
14) Benzyl Alcohol	7.911	108	35065	0.52	ng/uL		87
15) 2-Methylphenol	8.156	108	50742	0.54	ng/uL		94
16) Acetophenone	8.465	105	79736	0.58	ng/uL		92
17) Hexachloroethane	8.651	119	23567	0.54	ng/uL		98
18) 4-Methylphenol	8.494	108	50082	0.54	ng/uL	#	49
19) N-Nitroso-di-n-propyla...	8.500	70	38180	0.54	ng/uL	#	64
22) Nitrobenzene	8.815	77	58683	0.54	ng/uL	#	4
24) Isophorone	9.362	82	101305	0.50	ng/uL		98
25) 2-Chloroaniline	9.438	127	65327	0.51	ng/uL		99
26) 2-Nitrophenol	9.514	139	23956	0.80	ng/uL	#	87
27) 2,4-Dimethylphenol	9.665	107	51342	0.53	ng/uL	#	49
28) Bis(2-chloroethoxy)methane	9.899	93	64682	0.55	ng/uL		92
29) 2,4-Dichlorophenol	10.044	162	39708	0.53	ng/uL		100
30) Benzoic Acid	10.202	105	371	2.19	ng/uL		99
31) 1,2,4-Trichlorobenzene	10.237	180	48113	0.53	ng/uL		100
32) Naphthalene	10.400	128	170345	0.54	ng/uL		97
33) 4-Chloroaniline	10.563	127	35432	0.48	ng/uL	#	52
34) 2,6-Dichlorophenol	10.569	162	40642	0.57	ng/uL		96
35) Hexachlorobutadiene	10.732	225	26980	0.55	ng/uL		100
36) Caprolactam	11.280	55	21667	0.49	ng/uL		89
37) 1,2-Bis(2-chloroethoxy...	11.601	63	53401	0.58	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.735	107	42032	0.51	ng/uL		93
39) 2-Methylnaphthalene	12.020	142	108210	0.56	ng/uL		100
40) 1-Methylnaphthalene	12.242	142	97765	0.55	ng/uL		99
41) 1,3 Dinitrobenzene	13.955	168	13823	0.58	ng/uL		100

004083

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05bna1004.D
Acq On : 4 Oct 2014 13:13
Operator : JLB
Sample : 05bna1004 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:40:13 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:39:26 2014
Response via : Initial Calibration

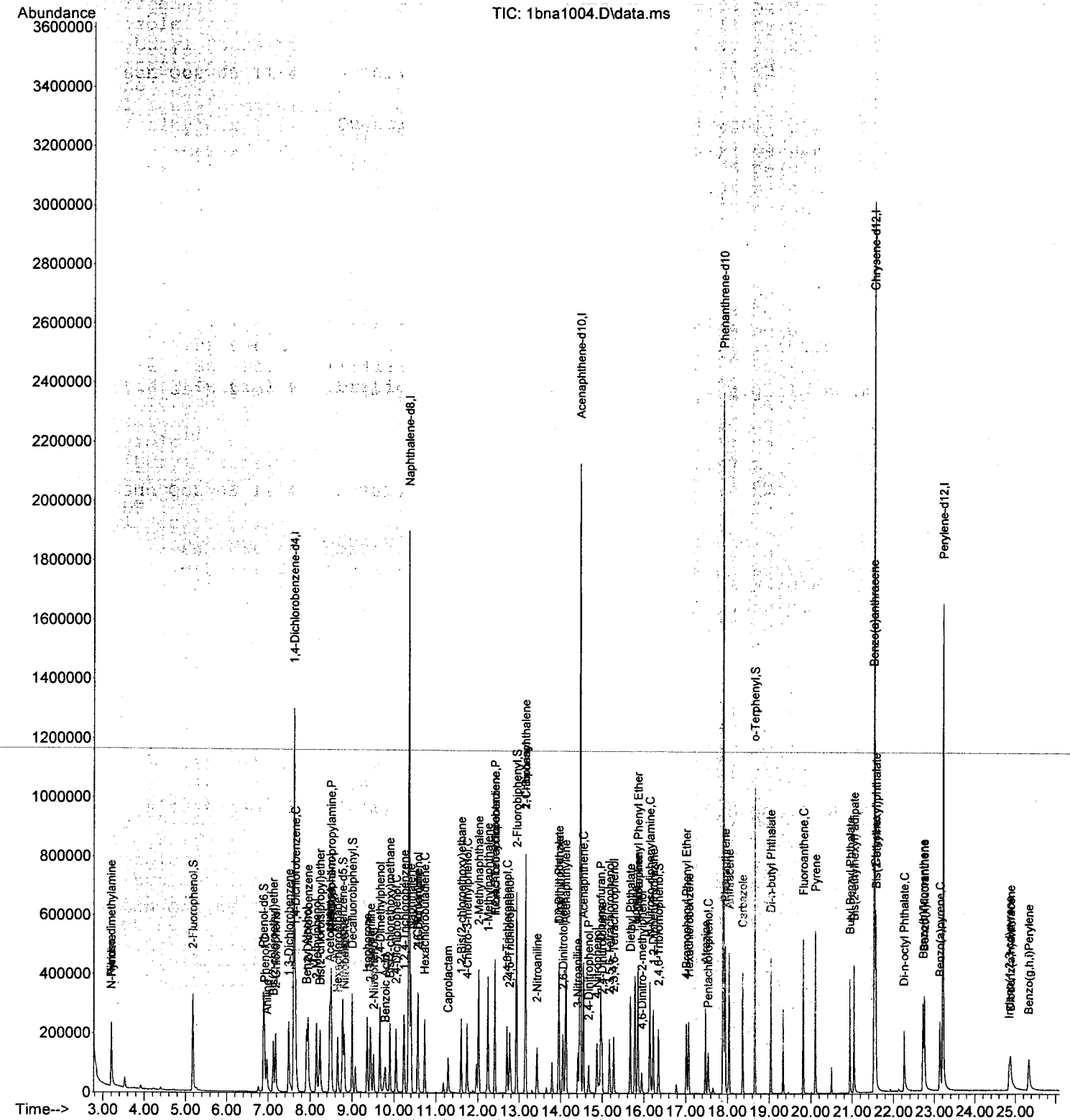
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43)	1,2,4,5-Tetrachloroben...	12.411	216	43051	0.54	ng/uL	97
44)	Hexachlorocyclopentadiene	12.411	237	20411	0.52	ng/uL	99
45)	2,4,6-Trichlorophenol	12.708	196	23271	0.49	ng/uL	93
46)	2,4,5-Trichlorophenol	12.766	196	24442	0.50	ng/uL	93
48)	2-Chloronaphthalene	13.151	162	94994	0.56	ng/uL	96
49)	1,1'-Biphenyl	13.151	154	133366	0.59	ng/uL	95
50)	2-Nitroaniline	13.431	138	23705	0.62	ng/uL	95
51)	Acenaphthylene	14.119	152	145569	0.53	ng/uL#	88
52)	2,6-Dinitrotoluene	14.054	165	20331	0.49	ng/uL#	96
53)	Dimethyl Phthalate	13.950	163	100045	0.57	ng/uL	99
54)	3-Nitroaniline	14.410	138	21116	Below Cal	#	1
55)	Acenaphthene	14.544	153	100263	0.55	ng/uL	98
56)	2,4-Dinitrophenol	14.672	184	8682	3.00	ng/uL	91
57)	Dibenzofuran	14.964	168	131080	0.58	ng/uL	99
58)	4-Nitrophenol	14.870	65	28611	0.87	ng/uL	91
59)	2,4-Dinitrotoluene	14.993	165	25075	0.48	ng/uL#	79
60)	2,3,5,6-Tetrachlorophenol	15.174	232	18540	0.61	ng/uL	97
61)	2,3,4,6-Tetrachlorophenol	15.273	232	21101	0.58	ng/uL	94
62)	Fluorene	15.780	166	104280	0.57	ng/uL	97
63)	Diethyl Phthalate	15.669	149	98006	0.57	ng/uL	97
64)	4-Chlorophenyl Phenyl ...	15.855	204	49943	0.60	ng/uL	94
65)	4-Nitroaniline	15.855	138	20779	1.00	ng/uL#	1
67)	4,6-Dinitro-2-methylph...	15.943	198	7129	1.17	ng/uL	92
68)	N-Nitroso-diphenylamine	16.141	169	83028	0.54	ng/uL	98
69)	1,2-Diphenylhydrazine	16.223	182	28800	0.52	ng/uL	87
71)	4-Bromophenyl Phenyl E...	17.015	248	23945	0.51	ng/uL	96
72)	Hexachlorobenzene	17.074	284	27333	0.50	ng/uL	96
73)	Atrazine	17.470	200	23215	0.51	ng/uL	94
74)	Pentachlorophenol	17.534	266	12049	0.41	ng/uL	95
75)	Phenanthrene	17.942	178	151855	0.56	ng/uL	97
76)	Anthracene	18.035	178	139677	0.54	ng/uL	99
77)	Carbazole	18.362	167	124421	0.59	ng/uL	99
79)	Di-n-butyl Phthalate	19.038	149	127449	0.48	ng/uL	99
80)	Fluoranthene	19.819	202	140853	0.54	ng/uL	95
82)	Pyrene	20.105	202	148867	0.49	ng/uL	98
83)	Butyl Benzyl Phthalate	20.944	149	48040	0.42	ng/uL	90
84)	Bis(2-ethylhexyl) adipate	21.043	129	40677	0.70	ng/uL#	100
85)	Benzo(a)anthracene	21.521	228	117639	0.52	ng/uL#	94
86)	Chrysene	21.562	228	120202	0.55	ng/uL#	90
87)	Bis(2-ethylhexyl)phtha...	21.573	149	66185	0.46	ng/uL	93
88)	Di-n-octyl Phthalate	22.255	149	86482	0.38	ng/uL	99
90)	Benzo(b)fluoroanthene	22.722	252	85974	0.48	ng/uL	97
91)	Benzo(k)fluoranthene	22.751	252	103633	0.49	ng/uL#	89
92)	Benzo(a)pyrene	23.135	252	79300	0.46	ng/uL	96
93)	Indeno(1,2,3-cd)pyrene	24.849	276	72732	0.46	ng/uL#	74
94)	Dibdenz(a,h)anthracene	24.878	278	55351	0.43	ng/uL#	90
95)	Benzo(g,h,i)Perylene	25.333	276	67032	0.48	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004084

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 1bna1004.D
Acq On : 4 Oct 2014 13:45
Operator : JLB
Sample : 1bna1004 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 05 11:41:39 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:41:33 2014
Response via : Initial Calibration



004085

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 1bna1004.D
Acq On : 4 Oct 2014 13:45
Operator : JLB
Sample : 1bna1004 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 05 11:41:39 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:41:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	412675	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.353	136	1563637	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.468	164	860441	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.901	188	1373744	5.00	ng/uL		0.00
81) Chrysene-d12	21.533	240	1142348	5.00	ng/uL	#	0.00
89) Perylene-d12	23.211	264	941182	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	184344	1.99	ng/uL		0.00
6) Phenol-d6	6.885	99	238728	1.99	ng/uL		0.00
21) Nitrobenzene-d5	8.774	82	195185	1.95	ng/uL		0.00
23) Decafluorobiphenyl	9.001	334	139999	1.99	ng/uL		0.00
47) 2-Fluorobiphenyl	12.935	172	375937	2.14	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.351	330	37542	1.84	ng/uL		0.00
78) o-Terphenyl	18.659	230	245775	2.04	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.196	74	60087	1.05	ng/uL		92
3) Pyridine	3.202	79	105788	1.09	ng/uL#		81
5) Aniline	6.967	93	65958	1.03	ng/uL		91
7) Phenol	6.914	94	142068	1.04	ng/uL		95
8) Bis(2-chloroethyl)ether	7.118	93	119293	1.03	ng/uL		91
9) 2-Chlorophenol	7.177	128	110222	1.03	ng/uL#		31
10) 1,3-Dichlorobenzene	7.486	146	123670	1.04	ng/uL		97
11) 1,4-Dichlorobenzene	7.643	146	123976	1.04	ng/uL		90
12) 1,2-Dichlorobenzene	7.946	146	118020	1.06	ng/uL		96
13) Bis(2-chloroisipropyl)...	8.237	45	196962	1.04	ng/uL		94
14) Benzyl Alcohol	7.911	108	69886	1.02	ng/uL		86
15) 2-Methylphenol	8.150	108	99222	1.03	ng/uL		95
16) Acetophenone	8.465	105	149683	1.05	ng/uL		88
17) Hexachloroethane	8.651	119	45844	1.03	ng/uL		99
18) 4-Methylphenol	8.488	108	100870	1.06	ng/uL#		49
19) N-Nitroso-di-n-propyla...	8.500	70	74009	1.03	ng/uL#		65
22) Nitrobenzene	8.815	77	112139	1.02	ng/uL#		3
24) Isophorone	9.362	82	204108	1.02	ng/uL		98
25) 2-Chloroaniline	9.438	127	124230	0.97	ng/uL		99
26) 2-Nitrophenol	9.514	139	49199	1.24	ng/uL#		86
27) 2,4-Dimethylphenol	9.665	107	102804	1.04	ng/uL#		41
28) Bis(2-chlorethoxy)methane	9.899	93	127600	1.08	ng/uL		97
29) 2,4-Dichlorophenol	10.044	162	78511	1.03	ng/uL		99
30) Benzoic Acid	9.788	105	70930	3.16	ng/uL		96
31) 1,2,4-Trichlorobenzene	10.243	180	95871	1.05	ng/uL		97
32) Naphthalene	10.400	128	329946	1.05	ng/uL		99
33) 4-Chloroaniline	10.563	127	68398	0.92	ng/uL#		49
34) 2,6-Dichlorophenol	10.569	162	80333	1.09	ng/uL		97
35) Hexachlorobutadiene	10.732	225	51057	1.03	ng/uL		98
36) Caprolactam	11.286	55	43622	0.96	ng/uL		91
37) 1,2-Bis(2-chloroethoxy...	11.601	63	107753	1.13	ng/uL#		100
38) 4-Chloro-3-methylphenol	11.741	107	85249	1.02	ng/uL		92
39) 2-Methylnaphthalene	12.020	142	210294	1.08	ng/uL		99
40) 1-Methylnaphthalene	12.242	142	189385	1.06	ng/uL		98
41) 1,3 Dinitrobenzene	13.955	168	29846	1.07	ng/uL		100

004086

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 1bna1004.D
Acq On : 4 Oct 2014 13:45
Operator : JLB
Sample : 1bna1004 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 05 11:41:39 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:41:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.411	216	82742	1.06	ng/uL	97
44) Hexachlorocyclopentadiene	12.411	237	40187	0.98	ng/uL	97
45) 2,4,6-Trichlorophenol	12.702	196	47979	1.02	ng/uL	97
46) 2,4,5-Trichlorophenol	12.766	196	50757	1.04	ng/uL	92
48) 2-Chloronaphthalene	13.151	162	184523	1.11	ng/uL	95
49) 1,1'-Biphenyl	13.151	154	251614	1.13	ng/uL	96
50) 2-Nitroaniline	13.431	138	50409	1.06	ng/uL	95
51) Acenaphthylene	14.119	152	293091	1.08	ng/uL#	87
52) 2,6-Dinitrotoluene	14.054	165	44090	1.05	ng/uL	97
53) Dimethyl Phthalate	13.955	163	195810	1.11	ng/uL	100
54) 3-Nitroaniline	14.410	138	40922	0.30	ng/uL#	1
55) Acenaphthene	14.544	153	190423	1.05	ng/uL	97
56) 2,4-Dinitrophenol	14.672	184	23217	3.62	ng/uL	93
57) Dibenzofuran	14.964	168	251687	1.11	ng/uL	99
58) 4-Nitrophenol	14.870	65	70679	2.19	ng/uL	86
59) 2,4-Dinitrotoluene	14.993	165	54553	1.00	ng/uL#	81
60) 2,3,5,6-Tetrachlorophenol	15.174	232	40134	1.09	ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.273	232	41171	1.03	ng/uL	97
62) Fluorene	15.780	166	200149	1.09	ng/uL	97
63) Diethyl Phthalate	15.669	149	186294	1.10	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.856	204	94786	1.14	ng/uL	94
65) 4-Nitroaniline	15.856	138	39627	1.74	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.949	198	17687	1.47	ng/uL	93
68) N-Nitroso-diphenylamine	16.141	169	157079	1.05	ng/uL	98
69) 1,2-Diphenylhydrazine	16.223	182	56497	1.04	ng/uL	83
71) 4-Bromophenyl Phenyl E...	17.015	248	47402	1.04	ng/uL	97
72) Hexachlorobenzene	17.074	284	53220	1.02	ng/uL	97
73) Atrazine	17.470	200	44725	1.00	ng/uL	94
74) Pentachlorophenol	17.534	266	24258	0.84	ng/uL	95
75) Phenanthrene	17.942	178	283684	1.07	ng/uL	99
76) Anthracene	18.035	178	269852	1.06	ng/uL	99
77) Carbazole	18.362	167	231531	1.11	ng/uL	99
79) Di-n-butyl Phthalate	19.038	149	254093	0.97	ng/uL	99
80) Fluoroanthene	19.819	202	263649	1.04	ng/uL	95
82) Pyrene	20.110	202	273829	0.99	ng/uL	98
83) Butyl Benzyl Phthalate	20.944	149	92831	0.86	ng/uL	91
84) Bis(2-ethylhexyl) adipate	21.043	129	81269	1.08	ng/uL#	100
85) Benzo(a)anthracene	21.521	228	203468	0.97	ng/uL#	95
86) Chrysene	21.562	228	219563	1.08	ng/uL#	90
87) Bis(2-ethylhexyl)phtha...	21.573	149	125784	0.93	ng/uL	94
88) Di-n-octyl Phthalate	22.255	149	163570	0.76	ng/uL	99
90) Benzo(b)fluoroanthene	22.722	252	162527	0.98	ng/uL	94
91) Benzo(k)fluoranthene	22.751	252	196913	1.03	ng/uL	95
92) Benzo(a)pyrene	23.135	252	146553	0.92	ng/uL	97
93) Indeno(1,2,3-cd)pyrene	24.849	276	134931	0.93	ng/uL#	65
94) Dibdenz(a,h)anthracene	24.878	278	108411	0.92	ng/uL	93
95) Benzo(g,h,i)Perylene	25.333	276	125969	0.99	ng/uL	96

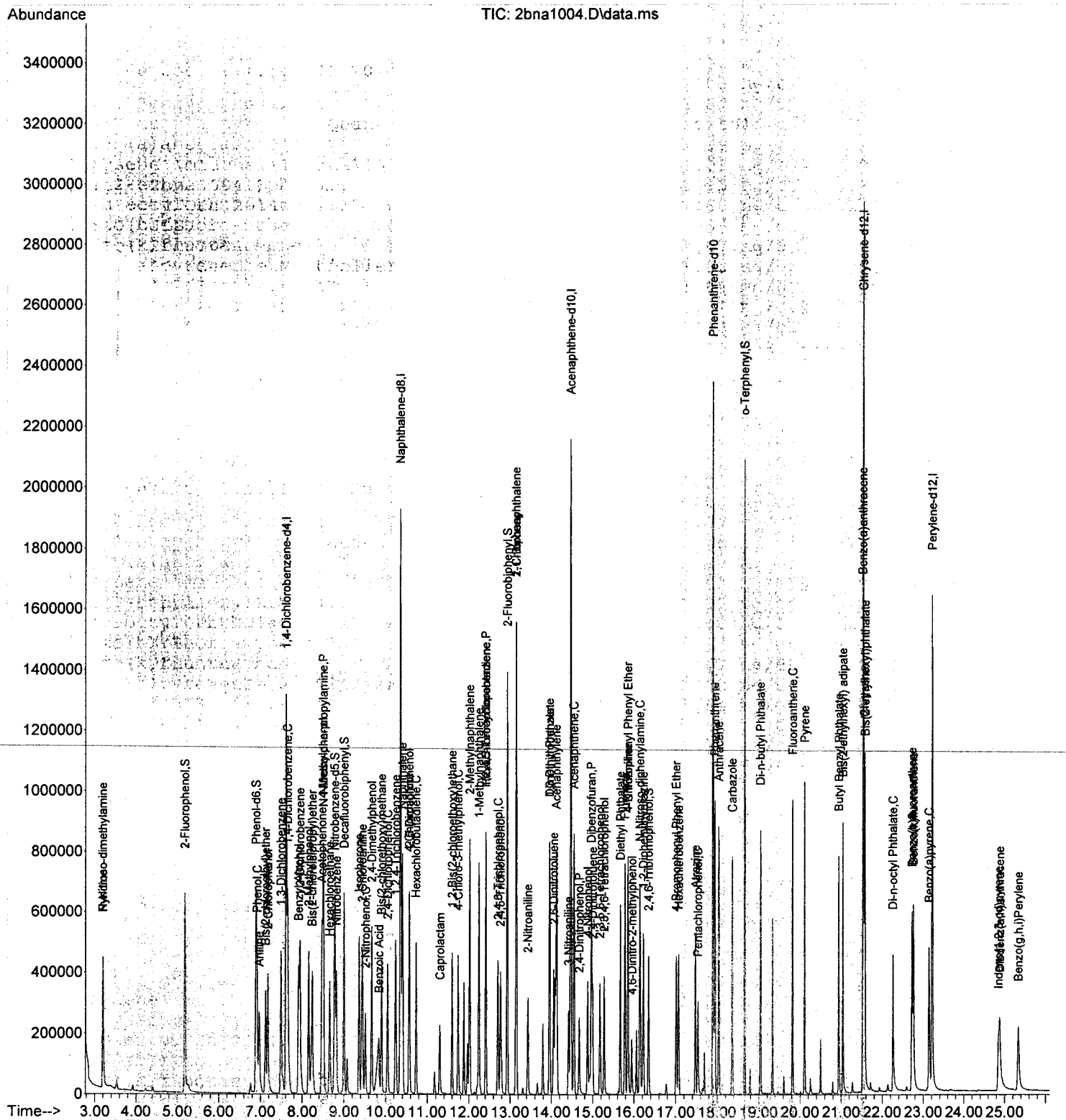
(#) = qualifier out of range (m) = manual integration (+) = signals summed

004087

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 2bna1004.D
Acq On : 4 Oct 2014 14:17
Operator : JLB
Sample : 2bna1004 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 05 11:42:33 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:42:25 2014
Response via : Initial Calibration



100314bna.M Sun Oct 05 11:43:37 2014 339 Page: 3

004088

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 2bna1004.D
Acq On : 4 Oct 2014 14:17
Operator : JLB
Sample : 2bna1004 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 05 11:42:33 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:42:25 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	429908	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.353	136	1612825	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.468	164	877869	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.901	188	1350207	5.00	ng/uL		0.00
81) Chrysene-d12	21.532	240	1059011	5.00	ng/uL	#	0.00
89) Perylene-d12	23.211	264	896519	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	377834	3.87	ng/uL		0.00
6) Phenol-d6	6.891	99	491595	3.89	ng/uL		0.00
21) Nitrobenzene-d5	8.774	82	403293	3.89	ng/uL		0.00
23) Decafluorobiphenyl	9.001	334	284650	3.93	ng/uL		0.00
47) 2-Fluorobiphenyl	12.935	172	743853	4.13	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.351	330	78244	3.86	ng/uL		0.00
78) o-Terphenyl	18.659	230	492776	4.19	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.196	74	124582	2.04	ng/uL		83
3) Pyridine	3.201	79	214909	2.05	ng/uL#		82
5) Aniline	6.967	93	156735	1.83	ng/uL		94
7) Phenol	6.914	94	285583	1.99	ng/uL		99
8) Bis(2-chloroethyl)ether	7.118	93	240921	1.98	ng/uL		92
9) 2-Chlorophenol	7.171	128	222738	1.97	ng/uL#		31
10) 1,3-Dichlorobenzene	7.485	146	247399	1.99	ng/uL		98
11) 1,4-Dichlorobenzene	7.643	146	248158	1.99	ng/uL		92
12) 1,2-Dichlorobenzene	7.946	146	234240	2.02	ng/uL		95
13) Bis(2-chloroisipropyl)...	8.237	45	391025	1.99	ng/uL		96
14) Benzyl Alcohol	7.911	108	143680	1.98	ng/uL		86
15) 2-Methylphenol	8.156	108	199397	1.96	ng/uL		96
16) Acetophenone	8.465	105	301784	2.00	ng/uL		90
17) Hexachloroethane	8.651	119	91953	1.98	ng/uL		98
18) 4-Methylphenol	8.494	108	201857	2.01	ng/uL#		49
19) N-Nitroso-di-n-propyla...	8.500	70	151352	1.99	ng/uL#		70
22) Nitrobenzene	8.814	77	226614	2.00	ng/uL#		1
24) Isophorone	9.362	82	410840	1.98	ng/uL		98
25) 2-Chloroaniline	9.438	127	252782	1.92	ng/uL		99
26) 2-Nitrophenol	9.514	139	102252	2.10	ng/uL#		86
27) 2,4-Dimethylphenol	9.665	107	200171	1.94	ng/uL#		20
28) Bis(2-chlorethoxy)methane	9.904	93	246482	1.99	ng/uL		95
29) 2,4-Dichlorophenol	10.044	162	160092	2.00	ng/uL		98
30) Benzoic Acid	9.840	105	200215	4.87	ng/uL		99
31) 1,2,4-Trichlorobenzene	10.242	180	186607	1.99	ng/uL		98
32) Naphthalene	10.400	128	649599	2.01	ng/uL		99
33) 4-Chloroaniline	10.563	127	140267	1.80	ng/uL#		50
34) 2,6-Dichlorophenol	10.569	162	159087	2.03	ng/uL		97
35) Hexachlorobutadiene	10.732	225	102816	2.02	ng/uL		98
36) Caprolactam	11.303	55	87240	1.85	ng/uL		93
37) 1,2-Bis(2-chloroethoxy...	11.600	63	200331	1.97	ng/uL#		100
38) 4-Chloro-3-methylphenol	11.740	107	172992	1.97	ng/uL		93
39) 2-Methylnaphthalene	12.020	142	410751	2.03	ng/uL		99
40) 1-Methylnaphthalene	12.242	142	374743	2.03	ng/uL		99
41) 1,3 Dinitrobenzene	13.955	168	61725	1.98	ng/uL		100

004089

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 2bna1004.D
Acq On : 4 Oct 2014 14:17
Operator : JLB
Sample : 2bna1004 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 05 11:42:33 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:42:25 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.411	216	162852	2.06	ng/uL	99
44) Hexachlorocyclopentadiene	12.411	237	82380	1.93	ng/uL	98
45) 2,4,6-Trichlorophenol	12.708	196	98028	1.99	ng/uL	95
46) 2,4,5-Trichlorophenol	12.766	196	100745	1.97	ng/uL#	92
48) 2-Chloronaphthalene	13.151	162	359697	2.12	ng/uL	94
49) 1,1'-Biphenyl	13.151	154	482928	2.11	ng/uL	96
50) 2-Nitroaniline	13.431	138	107099	1.95	ng/uL	97
51) Acenaphthylene	14.118	152	571432	2.05	ng/uL#	86
52) 2,6-Dinitrotoluene	14.054	165	89050	2.02	ng/uL	97
53) Dimethyl Phthalate	13.955	163	380937	2.08	ng/uL	99
54) 3-Nitroaniline	14.416	138	82793	1.62	ng/uL#	1
55) Acenaphthene	14.544	153	372632	2.01	ng/uL	98
56) 2,4-Dinitrophenol	14.672	184	61877	5.19	ng/uL	90
57) Dibenzofuran	14.964	168	479741	2.04	ng/uL	100
58) 4-Nitrophenol	14.876	65	132384	4.01	ng/uL	94
59) 2,4-Dinitrotoluene	14.993	165	109673	1.92	ng/uL#	84
60) 2,3,5,6-Tetrachlorophenol	15.173	232	81589	1.98	ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.272	232	79493	1.86	ng/uL	94
62) Fluorene	15.780	166	388070	2.05	ng/uL	97
63) Diethyl Phthalate	15.669	149	355653	2.04	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.855	204	177368	2.04	ng/uL	92
65) 4-Nitroaniline	15.855	138	76314	3.04	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.949	198	45103	2.24	ng/uL	97
68) N-Nitroso-diphenylamine	16.141	169	299524	2.02	ng/uL	99
69) 1,2-Diphenylhydrazine	16.223	182	106926	2.00	ng/uL	85
71) 4-Bromophenyl Phenyl E...	17.015	248	92540	2.05	ng/uL	99
72) Hexachlorobenzene	17.074	284	101820	2.00	ng/uL	97
73) Atrazine	17.476	200	87644	1.97	ng/uL	97
74) Pentachlorophenol	17.534	266	54374	1.90	ng/uL	99
75) Phenanthrene	17.942	178	530184	2.03	ng/uL	98
76) Anthracene	18.035	178	504559	2.01	ng/uL	99
77) Carbazole	18.362	167	445457	2.14	ng/uL	99
79) Di-n-butyl Phthalate	19.038	149	500337	1.93	ng/uL	100
80) Fluoroanthene	19.819	202	494645	1.98	ng/uL	95
82) Pyrene	20.110	202	515926	2.03	ng/uL	99
83) Butyl Benzyl Phthalate	20.944	149	186074	1.87	ng/uL	91
84) Bis(2-ethylhexyl) adipate	21.043	129	166372	1.95	ng/uL#	100
85) Benzo(a)anthracene	21.521	228	386296	1.99	ng/uL	97
86) Chrysene	21.562	228	382980	2.03	ng/uL#	89
87) Bis(2-ethylhexyl)phtha...	21.573	149	247490	1.95	ng/uL	92
88) Di-n-octyl Phthalate	22.255	149	335985	1.66	ng/uL	100
90) Benzo(b)fluoroanthene	22.721	252	312617	1.96	ng/uL	97
91) Benzo(k)fluoranthene	22.756	252	376865	2.07	ng/uL	96
92) Benzo(a)pyrene	23.135	252	291774	1.92	ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.849	276	258667	1.64	ng/uL	89
94) Dibdenz(a,h)anthracene	24.878	278	208225	1.82	ng/uL#	90
95) Benzo(g,h,i)Perylene	25.333	276	234480	1.92	ng/uL	96

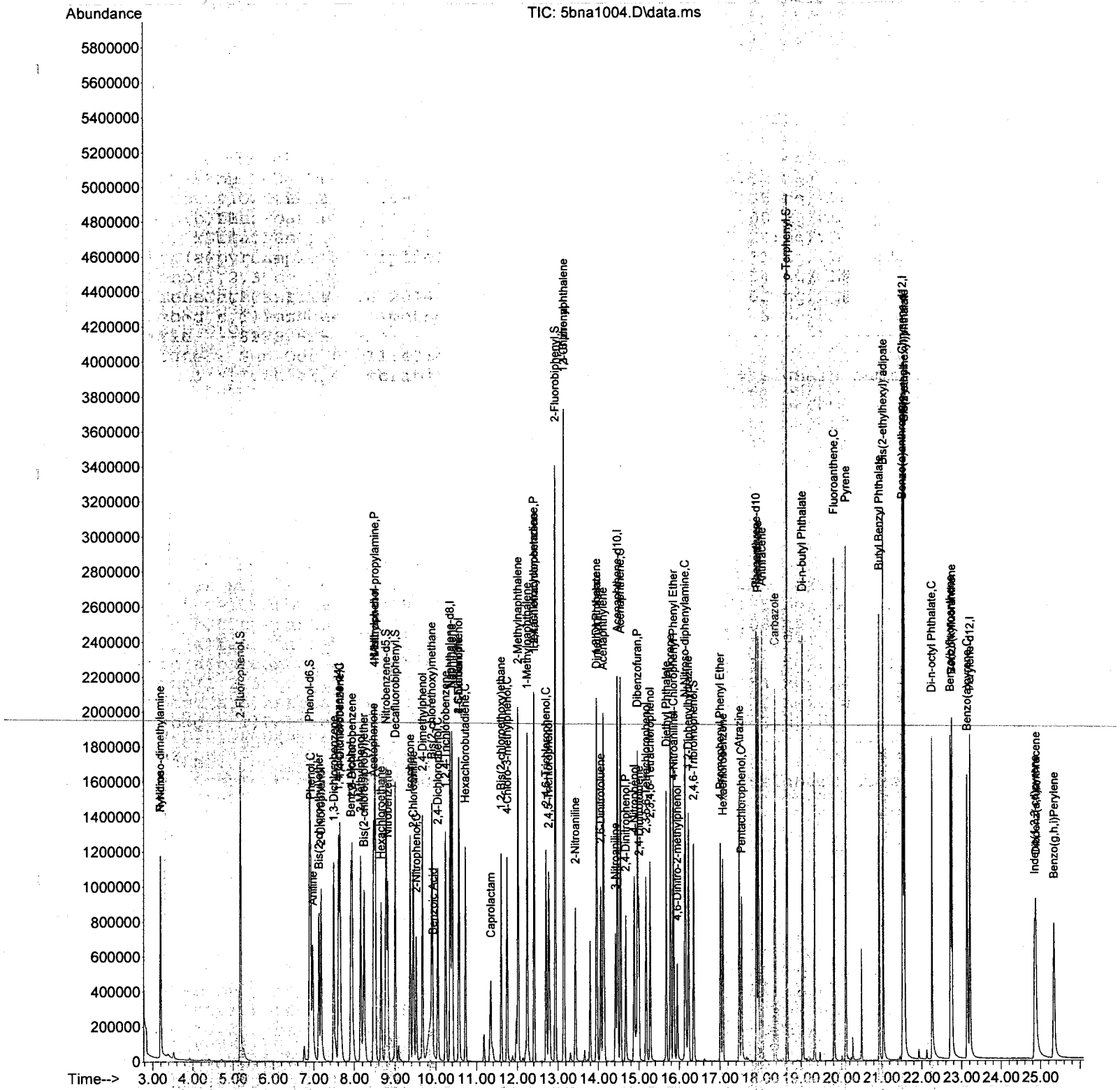
(#) = qualifier out of range (m) = manual integration (+) = signals summed

004090

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 5bna1004.D
Acq On : 4 Oct 2014 14:49
Operator : JLB
Sample : 5bna1004 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 05 11:43:48 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:43:41 2014
Response via : Initial Calibration



004091

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 5bna1004.D
Acq On : 4 Oct 2014 14:49
Operator : JLB
Sample : 5bna1004 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 05 11:43:48 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:43:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	414323	5.00	ng/uL		0.00
20) Naphthalene-d8	10.353	136	1578168	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.474	164	888568	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.901	188	1437276	5.00	ng/uL		0.00
81) Chrysene-d12	21.533	240	1184998	5.00	ng/uL	#	0.00
89) Perylene-d12	23.211	264	1042327	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.183	112	987832	10.49	ng/uL		0.00
6) Phenol-d6	6.897	99	1274361	10.45	ng/uL		0.00
21) Nitrobenzene-d5	8.780	82	1061876	10.46	ng/uL		0.00
23) Decafluorobiphenyl	9.007	334	730160	10.32	ng/uL		0.00
47) 2-Fluorobiphenyl	12.935	172	1931708	10.59	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.357	330	226772	10.45	ng/uL		0.00
78) o-Terphenyl	18.659	230	1294345	10.40	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.190	74	315677	5.28	ng/uL		84
3) Pyridine	3.190	79	534852	5.28	ng/uL	#	81
5) Aniline	6.973	93	494743	5.12	ng/uL		97
7) Phenol	6.920	94	720994	5.20	ng/uL		92
8) Bis(2-chloroethyl)ether	7.124	93	600035	5.12	ng/uL		89
9) 2-Chlorophenol	7.177	128	558850	5.11	ng/uL	#	31
10) 1,3-Dichlorobenzene	7.491	146	610605	5.11	ng/uL		96
11) 1,4-Dichlorobenzene	7.643	146	613058	5.11	ng/uL		95
12) 1,2-Dichlorobenzene	7.946	146	579267	5.18	ng/uL		95
13) Bis(2-chloroisipropyl)...	8.238	45	948343	5.02	ng/uL		96
14) Benzyl Alcohol	7.917	108	374238	5.32	ng/uL		85
15) 2-Methylphenol	8.156	108	511317	5.21	ng/uL		96
16) Acetophenone	8.471	105	759587	5.18	ng/uL		89
17) Hexachloroethane	8.651	119	225955	5.05	ng/uL		97
18) 4-Methylphenol	8.500	108	510347	5.26	ng/uL	#	48
19) N-Nitroso-di-n-propyla...	8.506	70	383386	5.21	ng/uL	#	71
22) Nitrobenzene	8.820	77	566144	5.09	ng/uL	#	1
24) Isophorone	9.368	82	1046773	5.14	ng/uL		98
25) 2-Chloroaniline	9.444	127	649301	5.04	ng/uL		99
26) 2-Nitrophenol	9.514	139	276444	5.29	ng/uL	#	85
27) 2,4-Dimethylphenol	9.671	107	522764	5.16	ng/uL	#	44
28) Bis(2-chlorethoxy)methane	9.904	93	631520	5.20	ng/uL		95
29) 2,4-Dichlorophenol	10.050	162	413737	5.25	ng/uL		99
30) Benzoic Acid	9.928	105	656127	11.00	ng/uL		96
31) 1,2,4-Trichlorobenzene	10.243	180	468574	5.12	ng/uL		98
32) Naphthalene	10.406	128	1631890	5.17	ng/uL		100
33) 4-Chloroaniline	10.569	127	408394	5.33	ng/uL	#	61
34) 2,6-Dichlorophenol	10.569	162	411585	5.30	ng/uL		98
35) Hexachlorobutadiene	10.732	225	256776	5.15	ng/uL		99
36) Caprolactam	11.344	55	242454	5.39	ng/uL		93
37) 1,2-Bis(2-chloroethoxy...	11.601	63	535100	5.34	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.752	107	459765	5.32	ng/uL		93
39) 2-Methylnaphthalene	12.020	142	1030525	5.18	ng/uL		99
40) 1-Methylnaphthalene	12.248	142	937436	5.17	ng/uL		99
41) 1,3 Dinitrobenzene	13.961	168	175725	5.75	ng/uL		100

004092

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 5bna1004.D
Acq On : 4 Oct 2014 14:49
Operator : JLB
Sample : 5bna1004 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 05 11:43:48 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:43:41 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43)	1,2,4,5-Tetrachloroben...	12.417	216	404376	5.09	ng/uL	98
44)	Hexachlorocyclopentadiene	12.411	237	231292	5.41	ng/uL	99
45)	2,4,6-Trichlorophenol	12.708	196	261674	5.20	ng/uL	92
46)	2,4,5-Trichlorophenol	12.772	196	276487	5.29	ng/uL#	92
48)	2-Chloronaphthalene	13.157	162	899218	5.24	ng/uL	93
49)	1,1'-Biphenyl	13.151	154	1226865	5.29	ng/uL	96
50)	2-Nitroaniline	13.437	138	318588	5.45	ng/uL	100
51)	Acenaphthylene	14.124	152	1474851	5.21	ng/uL#	87
52)	2,6-Dinitrotoluene	14.060	165	247171	5.50	ng/uL	95
53)	Dimethyl Phthalate	13.967	163	1003031	5.36	ng/uL	99
54)	3-Nitroaniline	14.422	138	222647	6.33	ng/uL#	1
55)	Acenaphthene	14.550	153	973832	5.21	ng/uL	99
56)	2,4-Dinitrophenol	14.678	184	202318	10.64	ng/uL	94
57)	Dibenzofuran	14.970	168	1252477	5.24	ng/uL	100
58)	4-Nitrophenol	14.888	65	416206	12.28	ng/uL	93
59)	2,4-Dinitrotoluene	15.005	165	317654	5.64	ng/uL#	84
60)	2,3,5,6-Tetrachlorophenol	15.179	232	233632	5.42	ng/uL	98
61)	2,3,4,6-Tetrachlorophenol	15.278	232	235445	5.50	ng/uL	97
62)	Fluorene	15.786	166	1030286	5.34	ng/uL	96
63)	Diethyl Phthalate	15.681	149	935735	5.29	ng/uL	96
64)	4-Chlorophenyl Phenyl ...	15.861	204	471375	5.32	ng/uL	92
65)	4-Nitroaniline	15.867	138	135590	5.23	ng/uL#	1
67)	4,6-Dinitro-2-methylph...	15.955	198	150176	5.09	ng/uL	98
68)	N-Nitroso-diphenylamine	16.147	169	814628	5.17	ng/uL	99
69)	1,2-Diphenylhydrazine	16.229	182	291042	5.09	ng/uL	83
71)	4-Bromophenyl Phenyl E...	17.015	248	249969	5.19	ng/uL	98
72)	Hexachlorobenzene	17.080	284	263370	4.88	ng/uL	96
73)	Atrazine	17.482	200	256063	5.39	ng/uL	98
74)	Pentachlorophenol	17.534	266	164638	5.37	ng/uL	97
75)	Phenanthrene	17.942	178	1447692	5.21	ng/uL	99
76)	Anthracene	18.041	178	1416431	5.31	ng/uL	100
77)	Carbazole	18.362	167	1267490	5.73	ng/uL	99
79)	Di-n-butyl Phthalate	19.038	149	1483784	5.39	ng/uL	100
80)	Fluoroanthene	19.819	202	1393779	5.27	ng/uL	94
82)	Pyrene	20.110	202	1440285	5.04	ng/uL	100
83)	Butyl Benzyl Phthalate	20.944	149	598436	5.36	ng/uL	90
84)	Bis(2-ethylhexyl) adipate	21.043	129	555800	5.14	ng/uL#	100
85)	Benzo(a)anthracene	21.521	228	1111659	5.10	ng/uL	99
86)	Chrysene	21.562	228	1107833	5.25	ng/uL#	90
87)	Bis(2-ethylhexyl)phtha...	21.573	149	786378	5.51	ng/uL	92
88)	Di-n-octyl Phthalate	22.255	149	1203715	5.35	ng/uL	100
90)	Benzo(b)fluoroanthene	22.722	252	950732	5.08	ng/uL	98
91)	Benzo(k)fluoranthene	22.757	252	1106425	5.24	ng/uL	99
92)	Benzo(a)pyrene	23.141	252	940847	5.31	ng/uL	100
93)	Indeno(1,2,3-cd)pyrene	24.855	276	895457	5.54	ng/uL#	89
94)	Dibenz(a,h)anthracene	24.884	278	734626	5.62	ng/uL#	91
95)	Benzo(g,h,i)Perylene	25.345	276	765424	5.43	ng/uL	94

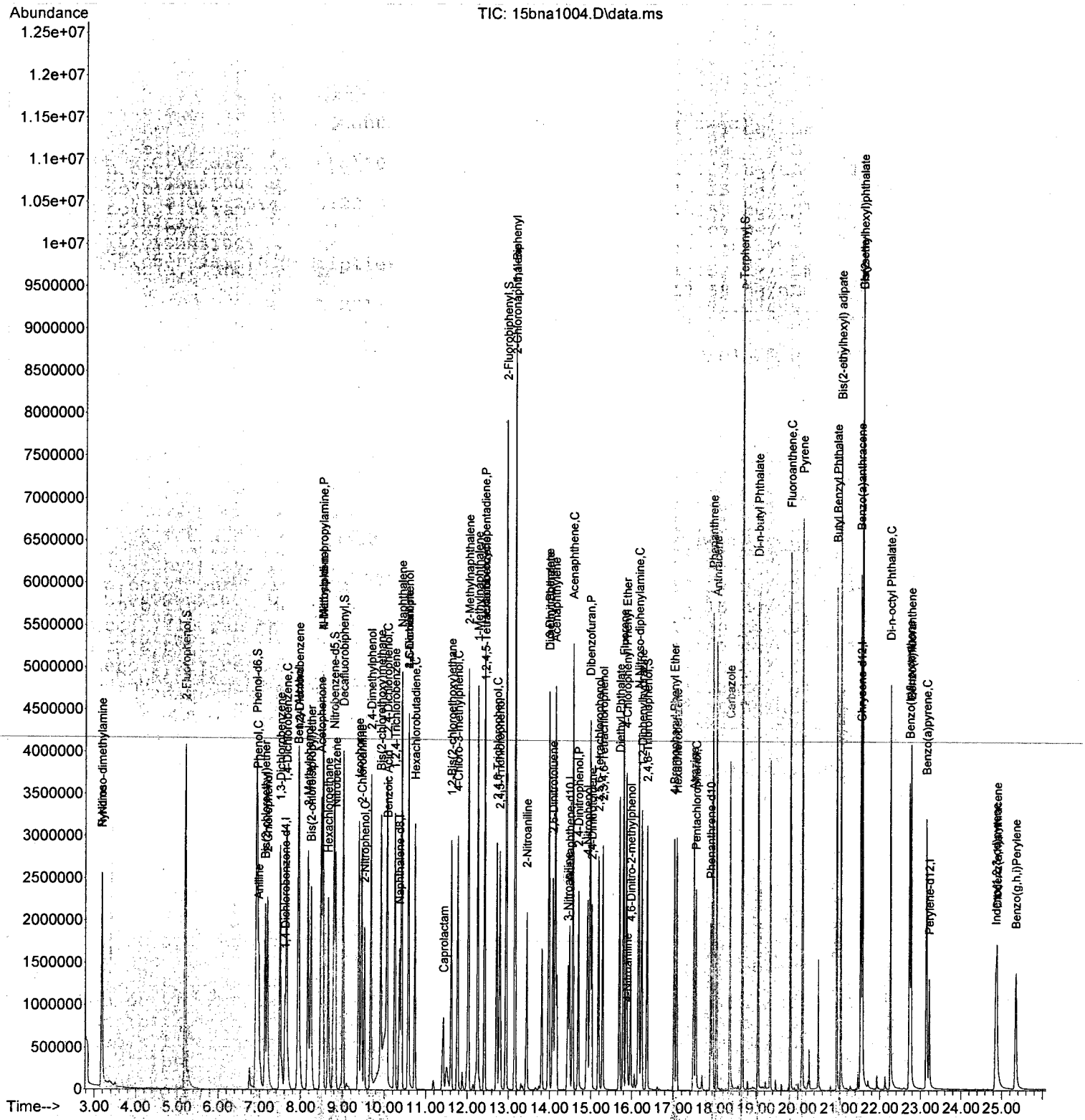
(#) = qualifier out of range (m) = manual integration (+) = signals summed

004093

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 15bna1004.D
Acq On : 4 Oct 2014 15:22
Operator : JLB
Sample : 15bna1004 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 05 11:45:21 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:44:37 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 15bna1004.D
Acq On : 4 Oct 2014 15:22
Operator : JLB
Sample : 15bna1004 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 05 11:45:21 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:44:37 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	371221	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.359	136	1423279	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.480	164	797132	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.901	188	1213218	5.00	ng/uL		0.00
81) Chrysene-d12	21.538	240	945078	5.00	ng/uL	#	0.00
89) Perylene-d12	23.211	264	701594	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.195	112	2607633	30.72	ng/uL		0.01
6) Phenol-d6	6.920	99	3357215	30.58	ng/uL		0.02
21) Nitrobenzene-d5	8.791	82	2800426	30.59	ng/uL		0.01
23) Decafluorobiphenyl	9.013	334	1917297	30.11	ng/uL		0.00
47) 2-Fluorobiphenyl	12.953	172	4805847	29.37	ng/uL		0.02
70) 2,4,6-Tribromophenol	16.368	330	591804	32.33	ng/uL		0.01
78) o-Terphenyl	18.671	230	2998898	28.71	ng/uL		0.01
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.178	74	822481	15.22	ng/uL		84
3) Pyridine	3.178	79	1394229	15.23	ng/uL	#	81
5) Aniline	6.973	93	1425874	15.65	ng/uL	#	16
7) Phenol	6.943	94	1863542	14.90	ng/uL		87
8) Bis(2-chloroethyl)ether	7.130	93	1558174	14.78	ng/uL		88
9) 2-Chlorophenol	7.182	128	1498360	15.22	ng/uL	#	35
10) 1,3-Dichlorobenzene	7.491	146	1590917	14.84	ng/uL		96
11) 1,4-Dichlorobenzene	7.649	146	1601829	14.87	ng/uL		95
12) 1,2-Dichlorobenzene	7.946	146	1486627	14.80	ng/uL		94
13) Bis(2-chloroisipropyl)...	8.243	45	2442159	14.45	ng/uL		97
14) Benzyl Alcohol	7.928	108	976048	15.34	ng/uL		88
15) 2-Methylphenol	8.173	108	1337517	15.11	ng/uL		97
16) Acetophenone	8.482	105	2008258	15.14	ng/uL		89
17) Hexachloroethane	8.651	119	595230	14.84	ng/uL		97
18) 4-Methylphenol	8.523	108	1318793	15.04	ng/uL	#	48
19) N-Nitroso-di-n-propyla...	8.523	70	1005740	15.12	ng/uL	#	73
22) Nitrobenzene	8.832	77	1474779	14.71	ng/uL	#	1
24) Isophorone	9.386	82	2776085	15.14	ng/uL		98
25) 2-Chloroaniline	9.456	127	1794982	15.43	ng/uL		99
26) 2-Nitrophenol	9.526	139	740839	15.29	ng/uL	#	87
27) 2,4-Dimethylphenol	9.683	107	1391383	15.21	ng/uL	#	79
28) Bis(2-chlorethoxy)methane	9.916	93	1650295	14.98	ng/uL		95
29) 2,4-Dichlorophenol	10.062	162	1100184	15.40	ng/uL		99
30) Benzoic Acid	10.073	105	2070292	33.41	ng/uL		97
31) 1,2,4-Trichlorobenzene	10.248	180	1217090	14.79	ng/uL		98
32) Naphthalene	10.411	128	4155726	14.61	ng/uL		100
33) 4-Chloroaniline	10.581	127	1164161	16.76	ng/uL	#	70
34) 2,6-Dichlorophenol	10.581	162	1088145	15.42	ng/uL		98
35) Hexachlorobutadiene	10.738	225	666896	14.89	ng/uL		99
36) Caprolactam	11.426	55	628044m	15.62	ng/uL		
37) 1,2-Bis(2-chloroethoxy...	11.612	63	1383258	15.15	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.770	107	1235272	15.72	ng/uL		92
39) 2-Methylnaphthalene	12.032	142	2655456	14.79	ng/uL		99
40) 1-Methylnaphthalene	12.253	142	2431727	14.86	ng/uL		98
41) 1,3 Dinitrobenzene	13.979	168	450820	16.50	ng/uL		100

004095

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 15bna1004.D
Acq On : 4 Oct 2014 15:22
Operator : JLB
Sample : 15bna1004 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 05 11:45:21 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:44:37 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.428	216	1025264	14.48	ng/uL	98
44) Hexachlorocyclopentadiene	12.417	237	617078	16.20	ng/uL	97
45) 2,4,6-Trichlorophenol	12.720	196	712631	15.72	ng/uL	94
46) 2,4,5-Trichlorophenol	12.784	196	747788	15.82	ng/uL#	92
48) 2-Chloronaphthalene	13.168	162	2190619	14.21	ng/uL	91
49) 1,1'-Biphenyl	13.163	154	2979701	14.29	ng/uL	96
50) 2-Nitroaniline	13.448	138	838437	15.78	ng/uL	100
51) Acenaphthylene	14.136	152	3790390	14.91	ng/uL#	80
52) 2,6-Dinitrotoluene	14.078	165	639226	15.68	ng/uL	95
53) Dimethyl Phthalate	13.984	163	2541918	14.98	ng/uL	100
54) 3-Nitroaniline	14.439	138	515858	18.41	ng/uL#	1
55) Acenaphthene	14.561	153	2468140	14.72	ng/uL	97
56) 2,4-Dinitrophenol	14.696	184	627331	30.81	ng/uL	95
57) Dibenzofuran	14.981	168	3203578	14.85	ng/uL	99
58) 4-Nitrophenol	14.917	65	946157	29.65	ng/uL	96
59) 2,4-Dinitrotoluene	15.022	165	793179	15.89	ng/uL#	84
60) 2,3,5,6-Tetrachlorophenol	15.185	232	622926	16.03	ng/uL	97
61) 2,3,4,6-Tetrachlorophenol	15.290	232	616423	16.18	ng/uL	95
62) Fluorene	15.797	166	2583951	14.81	ng/uL	97
63) Diethyl Phthalate	15.698	149	2360127	14.72	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.867	204	1180148	14.68	ng/uL	92
65) 4-Nitroaniline	15.890	138	223511	9.46	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.972	198	414427	14.70	ng/uL	98
68) N-Nitroso-diphenylamine	16.164	169	1972965	14.84	ng/uL	99
69) 1,2-Diphenylhydrazine	16.240	182	725938	15.05	ng/uL	83
71) 4-Bromophenyl Phenyl E...	17.021	248	611958	15.03	ng/uL	98
72) Hexachlorobenzene	17.085	284	668505	14.83	ng/uL	97
73) Atrazine	17.493	200	596995	14.78	ng/uL	98
74) Pentachlorophenol	17.546	266	424668	16.25	ng/uL	97
75) Phenanthrene	17.954	178	3403375	14.51	ng/uL	99
76) Anthracene	18.047	178	3324742	14.73	ng/uL	100
77) Carbazole	18.373	167	2760567	14.64	ng/uL	97
79) Di-n-butyl Phthalate	19.044	149	3615466	15.45	ng/uL	100
80) Fluoroanthene	19.825	202	3307724	14.76	ng/uL	94
82) Pyrene	20.116	202	3476158	15.31	ng/uL	100
83) Butyl Benzyl Phthalate	20.944	149	1451613	16.29	ng/uL	89
84) Bis(2-ethylhexyl) adipate	21.043	129	1356890	14.96	ng/uL#	100
85) Benzo(a)anthracene	21.527	228	2557101	14.73	ng/uL	99
86) Chrysene	21.567	228	2479052	14.71	ng/uL#	90
87) Bis(2-ethylhexyl)phtha...	21.573	149	1814399	15.85	ng/uL	93
88) Di-n-octyl Phthalate	22.255	149	2962696	16.37	ng/uL	100
90) Benzo(b)fluoroanthene	22.727	252	2039981	16.15	ng/uL	98
91) Benzo(k)fluoranthene	22.762	252	2195212	15.50	ng/uL	99
92) Benzo(a)pyrene	23.141	252	1923099	16.07	ng/uL	100
93) Indeno(1,2,3-cd)pyrene	24.861	276	1525977	14.02	ng/uL	90
94) Dibenz(a,h)anthracene	24.890	278	1282290	14.52	ng/uL#	92
95) Benzo(g,h,i)Perylene	25.350	276	1283738	13.58	ng/uL	95

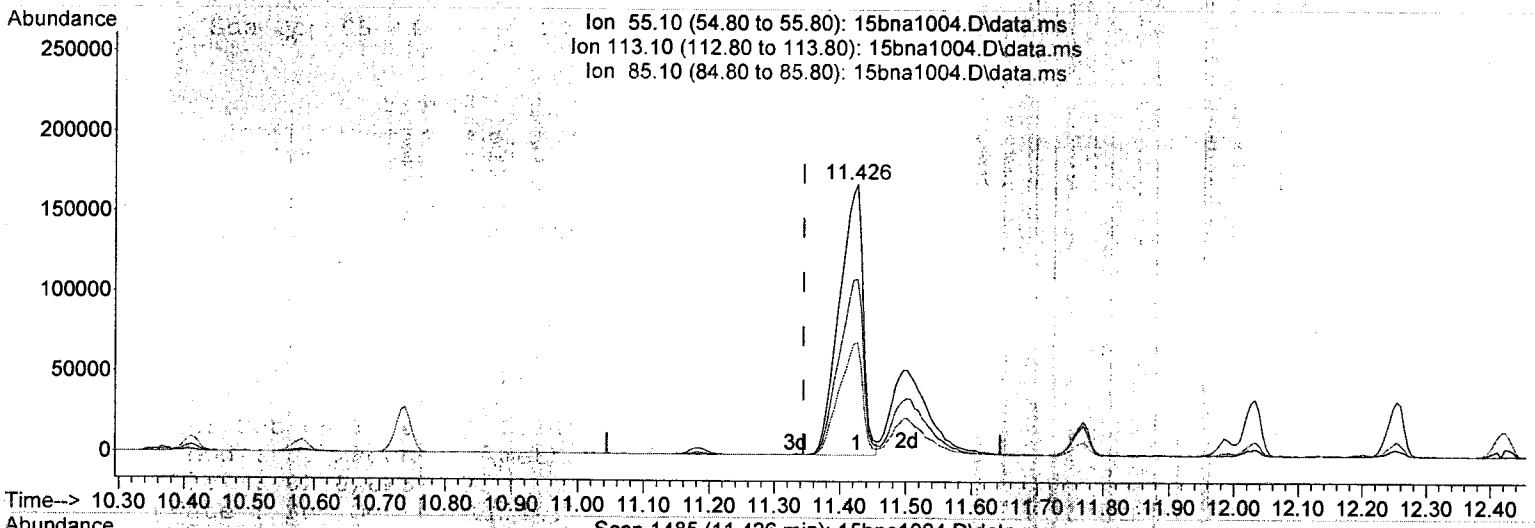
(#) = qualifier out of range (m) = manual integration (+) = signals summed

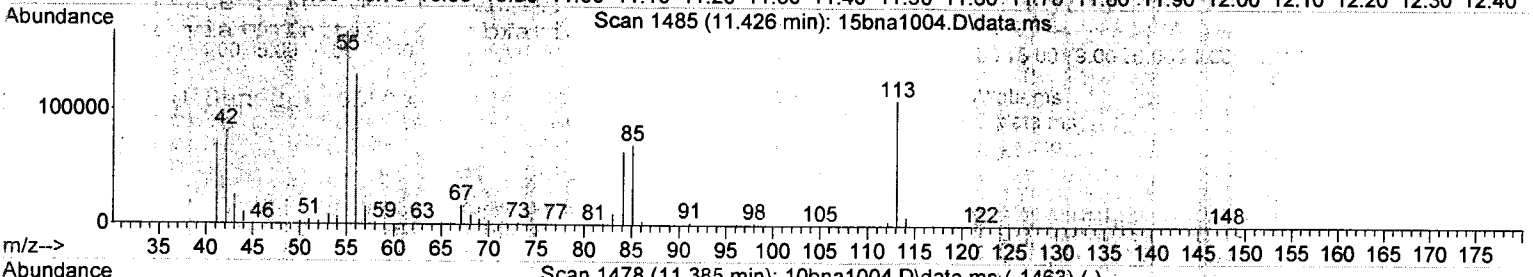
004096

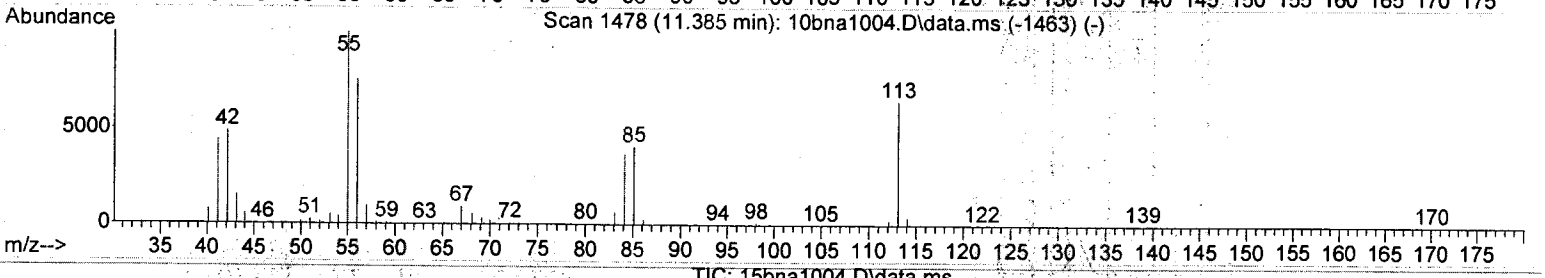
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 15bna1004.D
Acq On : 4 Oct 2014 15:22
Operator : JLB
Sample : 15bna1004 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 05 11:44:47 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:44:37 2014
Response via : Initial Calibration







TIC: 15bna1004.D\data.ms

(36) Caprolactam

11.426min (+ 0.082) 10.32 ng/uL

response 417581

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	66.59
85.10	46.10	41.70
0.00	0.00	0.00

JWS 10/6/14

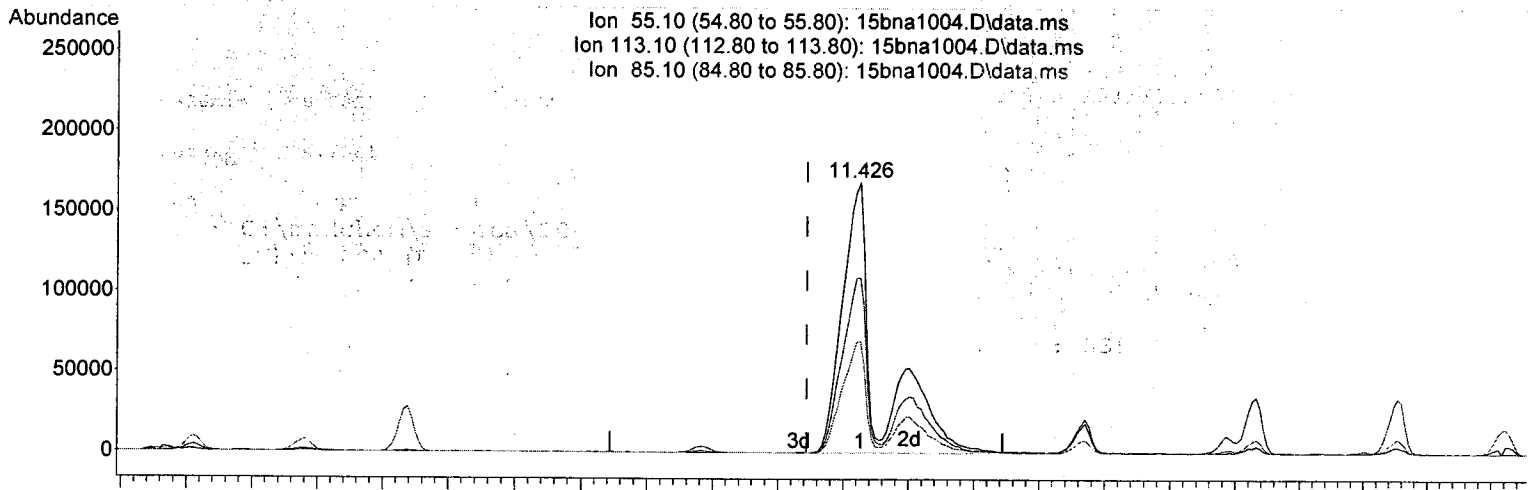
DWS 10-07-14

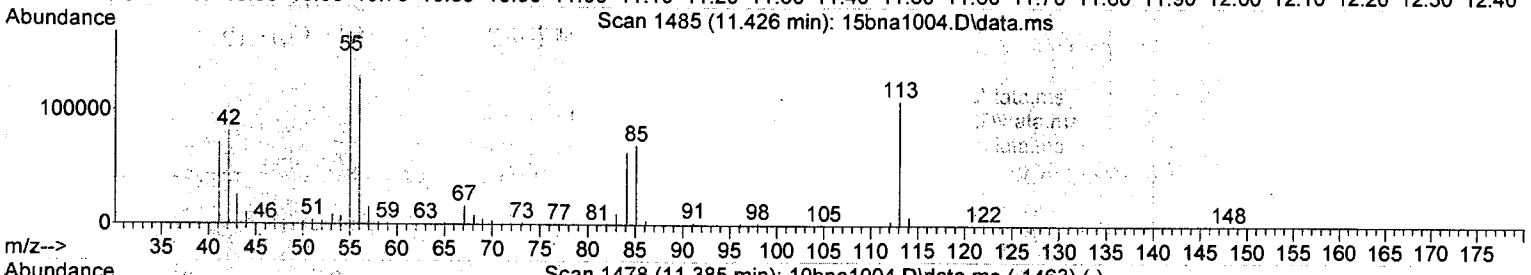
004087

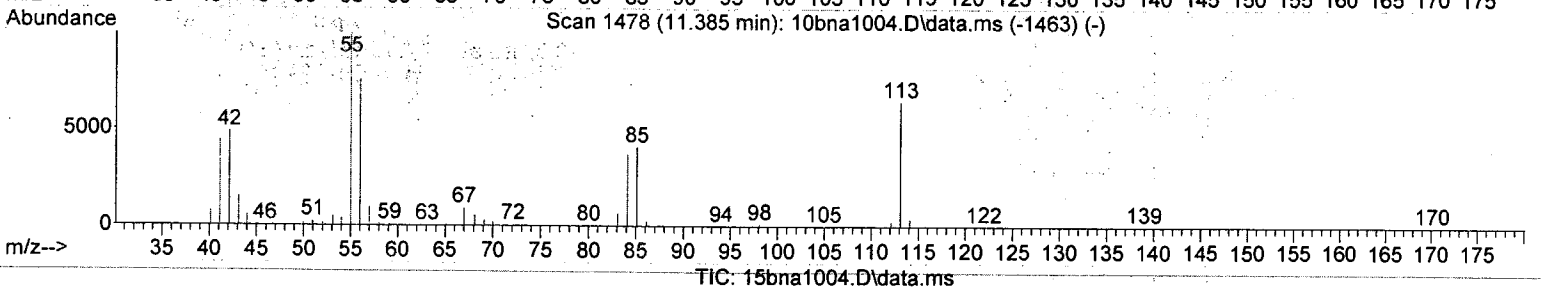
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 15bna1004.D
Acq On : 4 Oct 2014 15:22
Operator : JLB
Sample : 15bna1004 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 05 11:44:47 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:44:37 2014
Response via : Initial Calibration







TIC: 15bna1004.D\data.ms

(36) Caprolactam

11.426min (+ 0.082) 15.62 ng/uL m

response 628044

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	58.80	44.27#
85.10	46.10	27.73#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

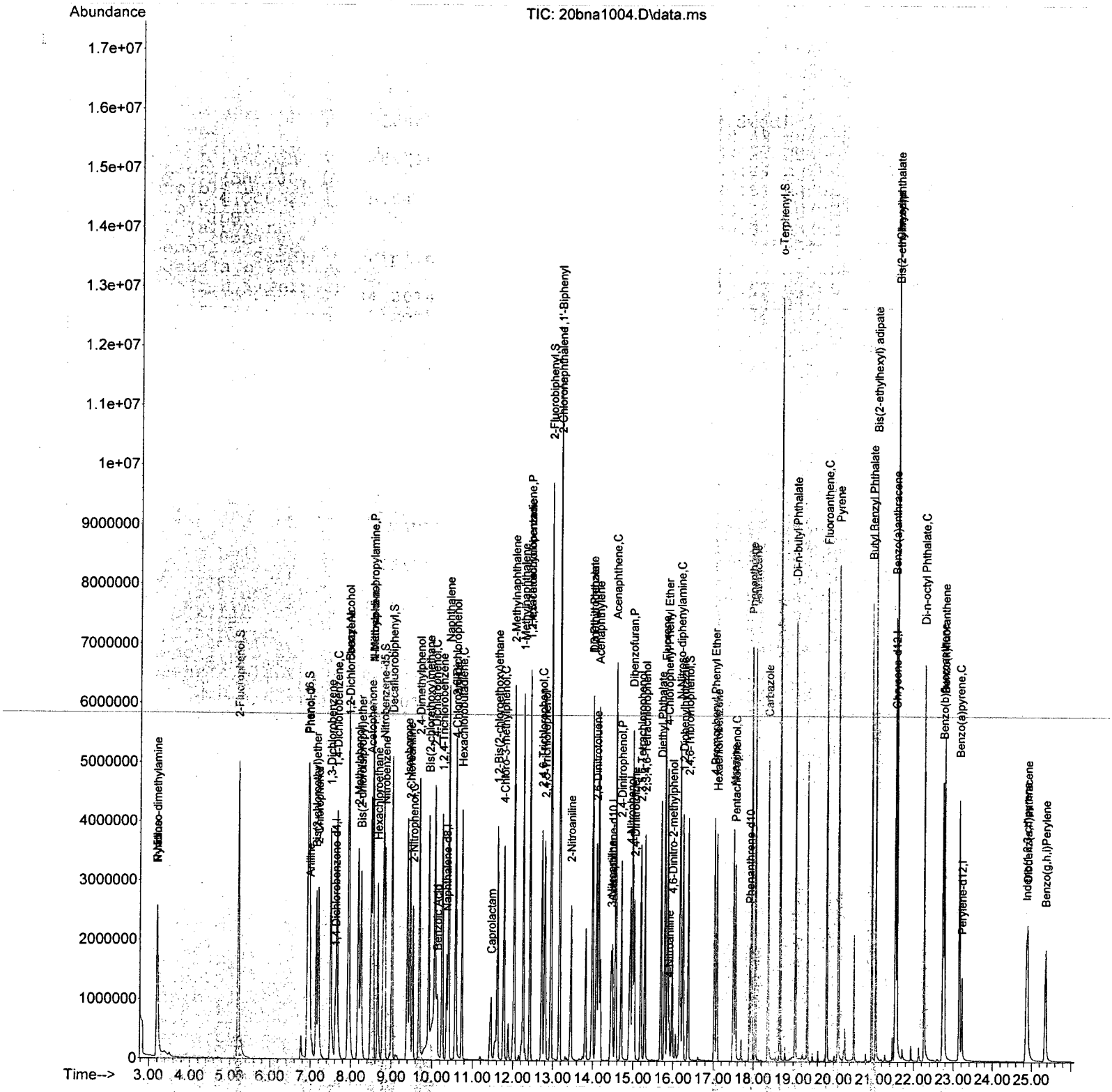
Analyst: JLB Date: 10/6/14

Reviewed By: DMC Date: 10-07-14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 20bna1004.D
Acq On : 4 Oct 2014 15:54
Operator : JLB
Sample : 20bna1004 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 05 11:46:34 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:46:03 2014
Response via : Initial Calibration



004099

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 20bna1004.D
Acq On : 4 Oct 2014 15:54
Operator : JLB
Sample : 20bna1004 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 05 11:46:34 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:46:03 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	377926	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.365	136	1454443	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.480	164	821631	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.907	188	1244255	5.00	ng/uL		0.00
81) Chrysene-d12	21.538	240	997567	5.00	ng/uL	#	0.00
89) Perylene-d12	23.211	264	754612	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.207	112	3419473	39.53	ng/uL		0.01
6) Phenol-d6	6.932	99	4389334	39.23	ng/uL		0.01
21) Nitrobenzene-d5	8.803	82	3666491	39.25	ng/uL		0.01
23) Decafluorobiphenyl	9.019	334	2528872	38.89	ng/uL		0.00
47) 2-Fluorobiphenyl	12.953	172	6265858	37.07	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.374	330	799396	42.53	ng/uL		0.00
78) o-Terphenyl	18.671	230	3845321	35.92	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.190	74	1102348	20.01	ng/uL		83
3) Pyridine	3.196	79	1859247	19.69	ng/uL#		81
5) Aniline	6.979	93	1870800	20.00	ng/uL#		17
7) Phenol	6.961	94	2437531	19.13	ng/uL		85
8) Bis(2-chloroethyl)ether	7.136	93	2078652	19.38	ng/uL		88
9) 2-Chlorophenol	7.188	128	2004588	19.96	ng/uL#		35
10) 1,3-Dichlorobenzene	7.491	146	2116067	19.38	ng/uL		96
11) 1,4-Dichlorobenzene	7.649	146	2118325	19.31	ng/uL		95
12) 1,2-Dichlorobenzene	7.952	146	1947378	19.02	ng/uL		94
13) Bis(2-chloroisipropyl)...	8.249	45	3199170	18.63	ng/uL		97
14) Benzyl Alcohol	7.940	108	1277098	19.63	ng/uL		88
15) 2-Methylphenol	8.179	108	1768695	19.56	ng/uL		97
16) Acetophenone	8.488	105	2645781	19.48	ng/uL		91
17) Hexachloroethane	8.657	119	793576	19.46	ng/uL		98
18) 4-Methylphenol	8.535	108	1751278	19.53	ng/uL#		48
19) N-Nitroso-di-n-propyla....	8.535	70	1346665	19.80	ng/uL#		76
22) Nitrobenzene	8.838	77	1954121	19.12	ng/uL#		1
24) Isophorone	9.397	82	3680193	19.62	ng/uL		98
25) 2-Chloroaniline	9.461	127	2425735	20.39	ng/uL		98
26) 2-Nitrophenol	9.531	139	1003231	20.10	ng/uL#		85
27) 2,4-Dimethylphenol	9.689	107	1855202	19.80	ng/uL		82
28) Bis(2-chlorethoxy)methane	9.922	93	2189802	19.35	ng/uL		96
29) 2,4-Dichlorophenol	10.074	162	1475447	20.12	ng/uL		99
30) Benzoic Acid	10.132	105	3022962	46.10	ng/uL		96
31) 1,2,4-Trichlorobenzene	10.254	180	1617439	19.23	ng/uL		97
32) Naphthalene	10.417	128	5492850	18.90	ng/uL		99
33) 4-Chloroaniline	10.592	127	1500552	21.10	ng/uL#		68
34) 2,6-Dichlorophenol	10.586	162	1434788	19.73	ng/uL		98
35) Hexachlorobutadiene	10.738	225	877903	19.16	ng/uL		98
36) Caprolactam	11.461	55	848005m	20.62	ng/uL		
37) 1,2-Bis(2-chloroethoxy...	11.618	63	1831575	19.43	ng/uL#		100
38) 4-Chloro-3-methylphenol	11.781	107	1654591	20.48	ng/uL		93
39) 2-Methylnaphthalene	12.032	142	3496639	19.00	ng/uL		99
40) 1-Methylnaphthalene	12.259	142	3193687	19.04	ng/uL		99
41) 1,3 Dinitrobenzene	13.990	168	604683	21.43	ng/uL		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 20bna1004.D
Acq On : 4 Oct 2014 15:54
Operator : JLB
Sample : 20bna1004 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 05 11:46:34 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:46:03 2014
Response via : Initial Calibration

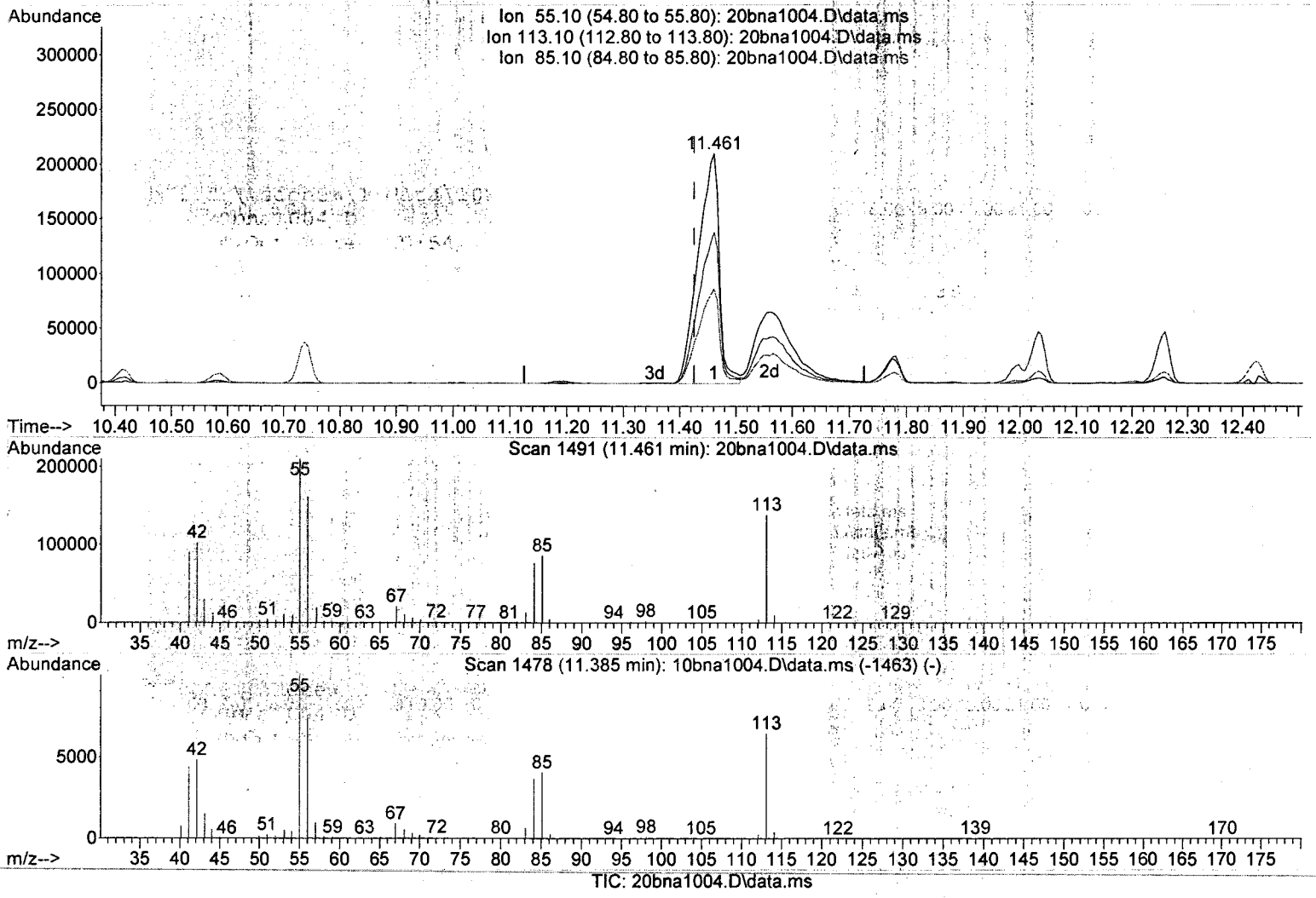
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.428	216	1344361	18.45 ng/uL	98
44) Hexachlorocyclopentadiene	12.422	237	822041	20.70 ng/uL	98
45) 2,4,6-Trichlorophenol	12.720	196	969604	20.70 ng/uL	95
46) 2,4,5-Trichlorophenol	12.795	196	1011568	20.68 ng/uL#	93
48) 2-Chloronaphthalene	13.174	162	2879759	18.11 ng/uL	92
49) 1,1'-Biphenyl	13.169	154	3874882	17.98 ng/uL	96
50) 2-Nitroaniline	13.454	138	1151701	20.89 ng/uL	99
51) Acenaphthylene	14.142	152	5031008	19.16 ng/uL#	79
52) 2,6-Dinitrotoluene	14.089	165	849677	20.16 ng/uL	95
53) Dimethyl Phthalate	13.990	163	3379028	19.23 ng/uL	100
54) 3-Nitroaniline	14.451	138	678109	23.25 ng/uL#	1
55) Acenaphthene	14.567	153	3298396	19.08 ng/uL	98
56) 2,4-Dinitrophenol	14.707	184	965346	44.91 ng/uL	94
57) Dibenzofuran	14.987	168	4250393	19.03 ng/uL	100
58) 4-Nitrophenol	14.935	65	1301518	39.56 ng/uL	98
59) 2,4-Dinitrotoluene	15.034	165	1083601	21.07 ng/uL#	85
60) 2,3,5,6-Tetrachlorophenol	15.191	232	850645	21.09 ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.296	232	836710	21.22 ng/uL	96
62) Fluorene	15.803	166	3473672	19.27 ng/uL#	96
63) Diethyl Phthalate	15.704	149	3177932	19.20 ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.867	204	1574471	18.92 ng/uL	91
65) 4-Nitroaniline	15.902	138	386223	15.42 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.984	198	615642	20.89 ng/uL	99
68) N-Nitroso-diphenylamine	16.170	169	2683823	19.63 ng/uL	99
69) 1,2-Diphenylhydrazine	16.246	182	995991	20.06 ng/uL	80
71) 4-Bromophenyl Phenyl E...	17.027	248	829246	19.82 ng/uL	98
72) Hexachlorobenzene	17.091	284	903493	19.58 ng/uL	97
73) Atrazine	17.505	200	839876	20.33 ng/uL	97
74) Pentachlorophenol	17.546	266	591278	22.08 ng/uL	97
75) Phenanthrene	17.960	178	4517788	18.77 ng/uL	99
76) Anthracene	18.053	178	4421389	19.08 ng/uL	100
77) Carbazole	18.373	167	3861364	19.79 ng/uL	95
79) Di-n-butyl Phthalate	19.050	149	4889025	20.38 ng/uL	100
80) Fluoroanthene	19.825	202	4392906	19.09 ng/uL	94
82) Pyrene	20.116	202	4574630	19.01 ng/uL	100
83) Butyl Benzyl Phthalate	20.944	149	1983025	20.99 ng/uL	90
84) Bis(2-ethylhexyl) adipate	21.043	129	1844498	19.10 ng/uL#	100
85) Benzo(a)anthracene	21.527	228	3609695	19.75 ng/uL	99
86) Chrysene	21.568	228	3242034	18.15 ng/uL#	90
87) Bis(2-ethylhexyl)phtha...	21.573	149	2411089	19.97 ng/uL	93
88) Di-n-octyl Phthalate	22.261	149	4239388	22.44 ng/uL	100
90) Benzo(b)fluoroanthene	22.733	252	2790545	20.51 ng/uL	96
91) Benzo(k)fluoranthene	22.768	252	3116735	20.31 ng/uL	98
92) Benzo(a)pyrene	23.147	252	2685059	20.84 ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.861	276	2137976	18.53 ng/uL	90
94) Dibenz(a,h)anthracene	24.890	278	1788425	19.07 ng/uL#	91
95) Benzo(g,h,i)Perylene	25.356	276	1767362	17.65 ng/uL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 20bna1004.D
Acq On : 4 Oct 2014 15:54
Operator : JLB
Sample : 20bna1004 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 05 11:46:10 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:46:03 2014
Response via : Initial Calibration



TIC: 20bna1004.D\data.ms

(36) Caprolactam

11.461min (+ 0.035) 13.22 ng/uL

response 546758

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	65.75
85.10	46.10	41.50
0.00	0.00	0.00

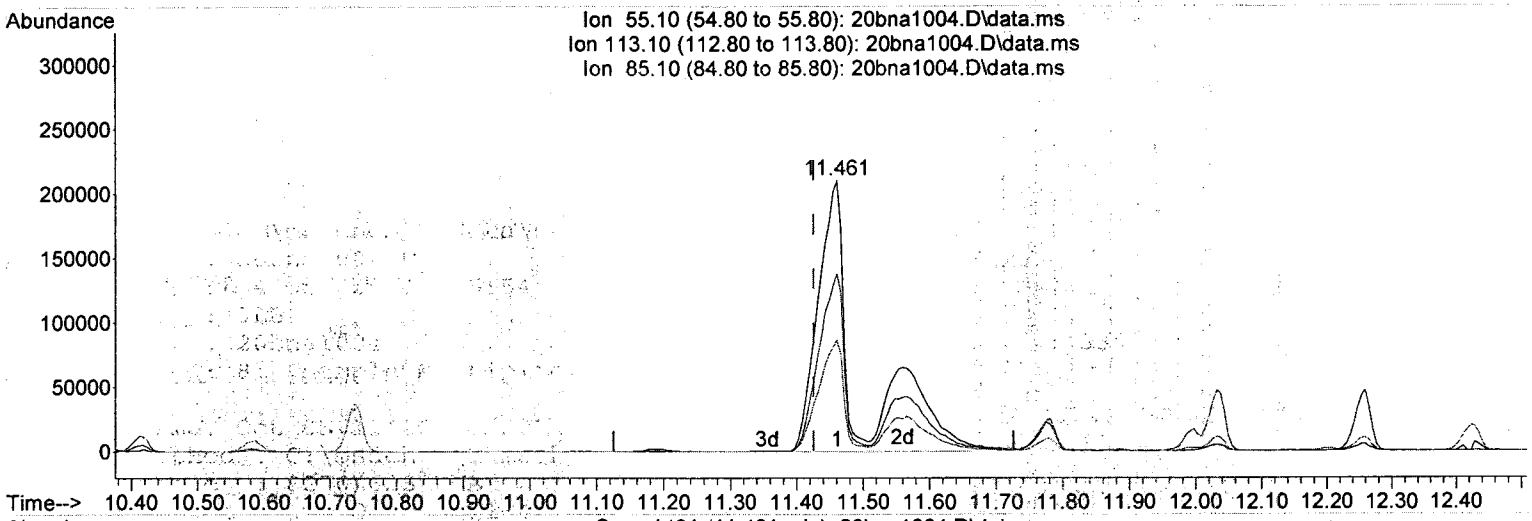
JVH 10/6/14

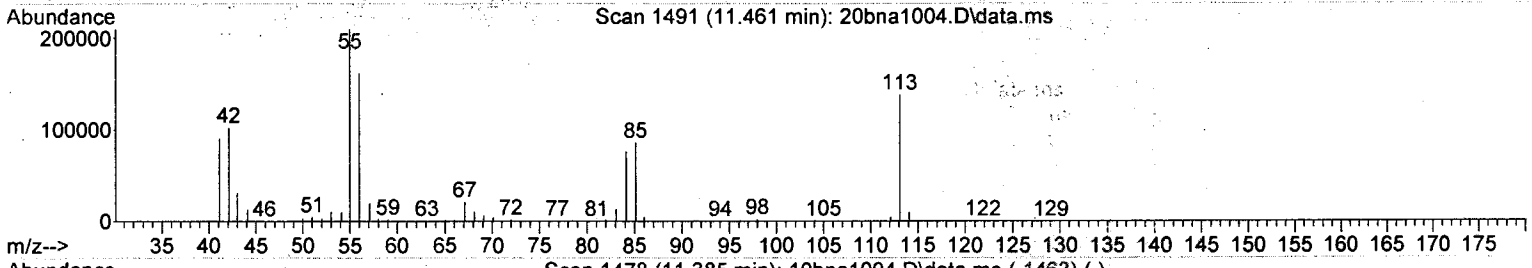
DWT 10-07-14

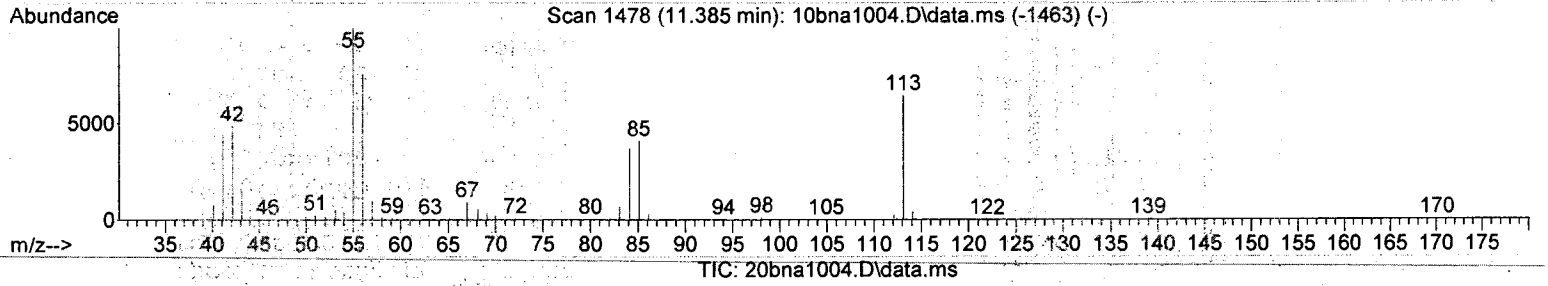
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 20bna1004.D
Acq On : 4 Oct 2014 15:54
Operator : JLB
Sample : 20bna1004 Inst : 339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 05 11:46:10 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:46:03 2014
Response via : Initial Calibration







TIC: 20bna1004.D\data.ms

(36) Caprolactam

11.461min (+ 0.035) 20.62 ng/uL m

response 848005

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	42.39#
85.10	46.10	26.76#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JWB Date: 10/6/14

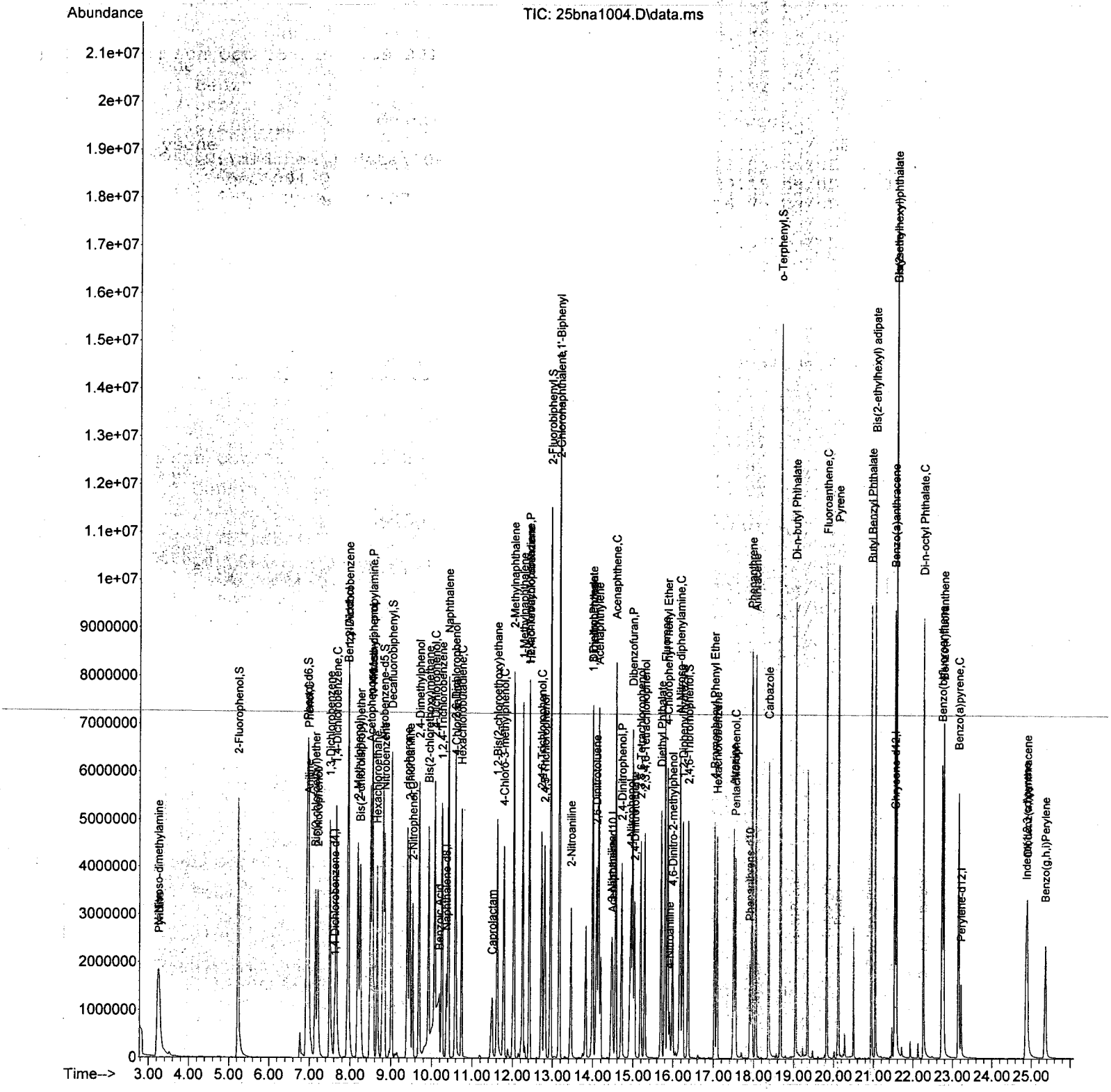
Reviewed By: DW Date: 10-07-14

004103

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 25bna1004.D
Acq On : 4 Oct 2014 16:27
Operator : JLB
Sample : 25bna1004 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 05 11:47:53 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:46:55 2014
Response via : Initial Calibration



004104

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 25bna1004.D
Acq On : 4 Oct 2014 16:27
Operator : JLB
Sample : 25bna1004 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 05 11:47:53 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:46:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.620	152	393224	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.365	136	1534028	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.486	164	868296	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.907	188	1281035	5.00	ng/uL		0.00
81) Chrysene-d12	21.544	240	1004688	5.00	ng/uL	#	0.00
89) Perylene-d12	23.217	264	800335	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.236	112	4560821	50.68	ng/uL		0.03
6) Phenol-d6	6.949	99	5793672	49.73	ng/uL		0.02
21) Nitrobenzene-d5	8.814	82	4891861	49.74	ng/uL		0.01
23) Decafluorobiphenyl	9.024	334	3371216	49.12	ng/uL		0.00
47) 2-Fluorobiphenyl	12.964	172	8040527	44.89	ng/uL		0.01
70) 2,4,6-Tribromophenol	16.386	330	1057785	54.66	ng/uL		0.01
78) o-Terphenyl	18.676	230	4963462	45.17	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.248	74	1484989	25.57	ng/uL		83
3) Pyridine	3.266	79	2503486	25.20	ng/uL		83
5) Aniline	6.984	93	2391334	24.39	ng/uL#		15
7) Phenol	6.978	94	3135874	23.66	ng/uL		84
8) Bis(2-chloroethyl)ether	7.147	93	2736921	24.54	ng/uL		86
9) 2-Chlorophenol	7.206	128	2641926	25.22	ng/uL#		35
10) 1,3-Dichlorobenzene	7.503	146	2745418	24.16	ng/uL		96
11) 1,4-Dichlorobenzene	7.660	146	2742263	24.02	ng/uL		96
12) 1,2-Dichlorobenzene	7.958	146	2497128	23.44	ng/uL		94
13) Bis(2-chloroisipropyl)...	8.249	45	4117584	23.14	ng/uL		99
14) Benzyl Alcohol	7.946	108	1675369	24.74	ng/uL		88
15) 2-Methylphenol	8.191	108	2317140	24.62	ng/uL		97
16) Acetophenone	8.500	105	3478725	24.55	ng/uL		89
17) Hexachloroethane	8.657	119	1039800	24.54	ng/uL		98
18) 4-Methylphenol	8.546	108	2302674	24.61	ng/uL#		47
19) N-Nitroso-di-n-propyla...	8.540	70	1788846	25.23	ng/uL		98
22) Nitrobenzene	8.849	77	2534001	23.56	ng/uL#		1
24) Isophorone	9.409	82	4839171	24.50	ng/uL		98
25) 2-Chloroaniline	9.467	127	3190336	25.40	ng/uL		98
26) 2-Nitrophenol	9.537	139	1317764	24.84	ng/uL#		85
27) 2,4-Dimethylphenol	9.700	107	2438613	24.65	ng/uL		86
28) Bis(2-chlorethoxy)methane	9.928	93	2871494	23.99	ng/uL		96
29) 2,4-Dichlorophenol	10.079	162	1933270	24.87	ng/uL		99
30) Benzoic Acid	10.190	105	4040067	54.55	ng/uL		96
31) 1,2,4-Trichlorobenzene	10.254	180	2106164	23.73	ng/uL		98
32) Naphthalene	10.417	128	7098329	23.15	ng/uL		99
33) 4-Chloroaniline	10.598	127	1819304	24.21	ng/uL#		61
34) 2,6-Dichlorophenol	10.586	162	1879741	24.38	ng/uL		96
35) Hexachlorobutadiene	10.744	225	1142085	23.61	ng/uL		99
36) Caprolactam	11.496	55	1088648m	24.75	ng/uL		
37) 1,2-Bis(2-chloroethoxy...	11.624	63	2385892	23.85	ng/uL#		100
38) 4-Chloro-3-methylphenol	11.793	107	2166503	25.29	ng/uL		93
39) 2-Methylnaphthalene	12.038	142	4575875	23.50	ng/uL		99
40) 1-Methylnaphthalene	12.265	142	4170185	23.51	ng/uL		99
41) 1,3 Dinitrobenzene	13.996	168	771888	25.20	ng/uL		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 25bna1004.D
Acq On : 4 Oct 2014 16:27
Operator : JLB
Sample : 25bna1004 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 05 11:47:53 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:46:55 2014
Response via : Initial Calibration

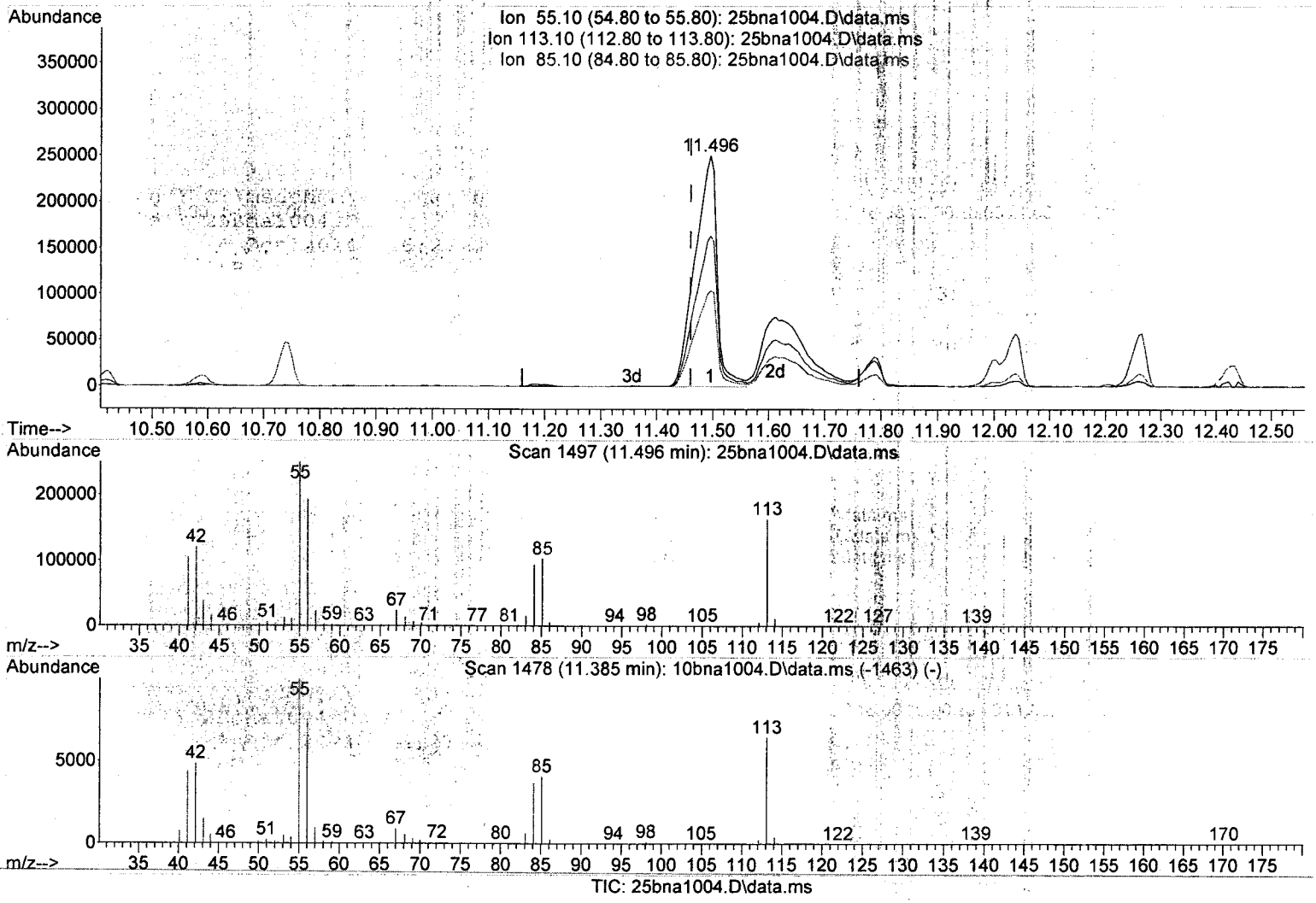
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.434	216	1718062	22.32	ng/uL	97
44) Hexachlorocyclopentadiene	12.422	237	1089496	25.72	ng/uL	98
45) 2,4,6-Trichlorophenol	12.725	196	1271022	25.62	ng/uL	95
46) 2,4,5-Trichlorophenol	12.801	196	1325652	25.55	ng/uL	93
48) 2-Chloronaphthalene	13.180	162	3657364	21.75	ng/uL	91
49) 1,1'-Biphenyl	13.174	154	4878814	21.36	ng/uL	97
50) 2-Nitroaniline	13.466	138	1490220	25.13	ng/uL	99
51) Acenaphthylene	14.148	152	6528002	23.49	ng/uL#	78
52) 2,6-Dinitrotoluene	14.095	165	1113873	24.91	ng/uL	95
53) Dimethyl Phthalate	14.002	163	4307852	23.06	ng/uL	100
54) 3-Nitroaniline	14.462	138	820573	25.04	ng/uL#	1
55) Acenaphthene	14.573	153	4277984	23.39	ng/uL	98
56) 2,4-Dinitrophenol	14.719	184	1318672	54.97	ng/uL	93
57) Dibenzofuran	14.993	168	5476472	23.10	ng/uL	96
58) 4-Nitrophenol	14.946	65	1699364	48.15	ng/uL	95
59) 2,4-Dinitrotoluene	15.045	165	1384608	24.97	ng/uL#	86
60) 2,3,5,6-Tetrachlorophenol	15.197	232	1105070	25.44	ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.302	232	1083971	25.55	ng/uL	96
62) Fluorene	15.809	166	4434272	23.15	ng/uL	97
63) Diethyl Phthalate	15.716	149	4044253	22.95	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.873	204	2026081	22.91	ng/uL	91
65) 4-Nitroaniline	15.920	138	533600	19.29	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.995	198	821641	26.40	ng/uL	98
68) N-Nitroso-diphenylamine	16.182	169	3399435	24.09	ng/uL	99
69) 1,2-Diphenylhydrazine	16.252	182	1281532	25.04	ng/uL#	77
71) 4-Bromophenyl Phenyl E...	17.033	248	1069579	24.82	ng/uL	98
72) Hexachlorobenzene	17.097	284	1163170	24.58	ng/uL	97
73) Atrazine	17.511	200	1096299	25.67	ng/uL	97
74) Pentachlorophenol	17.552	266	776804	28.09	ng/uL	97
75) Phenanthrene	17.960	178	5618259	22.67	ng/uL	100
76) Anthracene	18.059	178	5524502	23.10	ng/uL	100
77) Carbazole	18.379	167	4419477	21.53	ng/uL	98
79) Di-n-butyl Phthalate	19.049	149	6204820	25.08	ng/uL	99
80) Fluoroanthene	19.831	202	5584980	23.53	ng/uL	94
82) Pyrene	20.122	202	5752593	23.81	ng/uL	100
83) Butyl Benzyl Phthalate	20.950	149	2468501	26.02	ng/uL	90
84) Bis(2-ethylhexyl) adipate	21.049	129	2290379	23.61	ng/uL#	100
85) Benzo(a)anthracene	21.532	228	4498618	24.47	ng/uL	99
86) Chrysene	21.573	228	3994670	22.25	ng/uL#	91
87) Bis(2-ethylhexyl)phtha...	21.573	149	2850375	23.52	ng/uL	93
88) Di-n-octyl Phthalate	22.261	149	5529382	29.15	ng/uL	100
90) Benzo(b)fluoroanthene	22.733	252	3866552	26.75	ng/uL	98
91) Benzo(k)fluoranthene	22.774	252	4046586	24.72	ng/uL	99
92) Benzo(a)pyrene	23.153	252	3605952	26.37	ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.872	276	2974915	24.75	ng/uL	90
94) Dibdenz(a,h)anthracene	24.896	278	2519957	25.73	ng/uL#	90
95) Benzo(g,h,i)Perylene	25.362	276	2369786	22.78	ng/uL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 25bna1004.D
Acq On : 4 Oct 2014 16:27
Operator : JLB
Sample : 25bna1004 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 05 11:47:36 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:46:55 2014
Response via : Initial Calibration



TIC: 25bna1004.D\data.ms

(36) Caprolactam

11.496min (+ 0.035) 15.51 ng/uL

response 684877

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	66.35
85.10	46.10	42.37
0.00	0.00	0.00

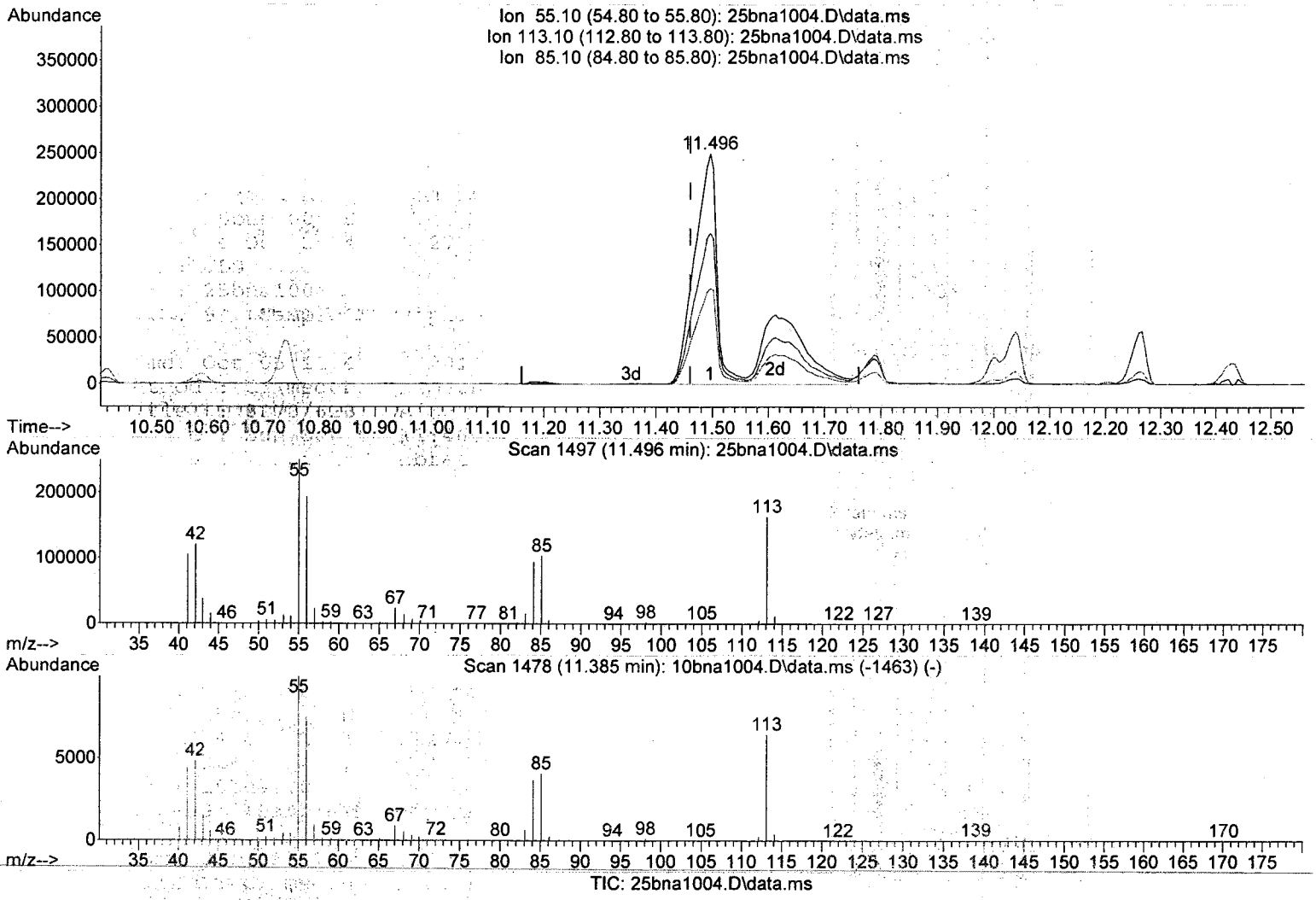
DWS 10-07-14

JWB 10/6/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 25bna1004.D
Acq On : 4 Oct 2014 16:27
Operator : JLB
Sample : 25bna1004 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 05 11:47:36 2014
Quant Method : C:\msdchem\1\methods\100314bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:46:55 2014
Response via : Initial Calibration



TIC: 25bna1004.D\data.ms

(36) Caprolactam

11.496min (+ 0.035) 24.75 ng/uL m

response 1088648

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	41.74#
85.10	46.10	26.65#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 10/6/14
Reviewed By: DJ Date: 10-07-14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05bna1004.D
Acq On : 4 Oct 2014 13:13
Operator : JLB
Sample : 05bna1004 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:54:29 2014
Quant Method : C:\msdchem\1\methods\100414bnalinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration

8270D linear ✓

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.614	152	408471	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.353	136	1572744	5.00	ng/uL	-0.01
42) Acenaphthene-d10	14.468	164	877895	5.00	ng/uL	-0.02
66) Phenanthrene-d10	17.901	188	1419161	5.00	ng/uL	0.00
81) Chrysene-d12	21.533	240	1233838	5.00	ng/uL	#-0.01
89) Perylene-d12	23.211	264	1038124	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	94824	1.02	ng/uL	-0.06
6) Phenol-d6	6.885	99	126450	1.05	ng/uL	-0.06
21) Nitrobenzene-d5	8.774	82	102835	1.02	ng/uL	-0.04
23) Decafluorobiphenyl	9.001	334	76913	1.09	ng/uL	-0.02
47) 2-Fluorobiphenyl	12.935	172	206810	1.14	ng/uL	-0.03
70) 2,4,6-Tribromophenol	16.351	330	19737	0.92	ng/uL	-0.03
78) o-Terphenyl	18.659	230	141733	1.16	ng/uL	-0.02
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.202	74	30200	0.50	ng/uL	90
3) Pyridine	3.207	79	53211	0.52	ng/uL#	80
5) Aniline	6.967	93	32504	0.54	ng/uL	92
7) Phenol	6.914	94	72901	0.53	ng/uL	95
8) Bis(2-chloroethyl)ether	7.118	93	60385	0.52	ng/uL	89
9) 2-Chlorophenol	7.177	128	55960	0.51	ng/uL#	31
10) 1,3-Dichlorobenzene	7.491	146	61984	0.53	ng/uL	98
11) 1,4-Dichlorobenzene	7.643	146	62972	0.53	ng/uL#	81
12) 1,2-Dichlorobenzene	7.946	146	59306	0.54	ng/uL	96
13) Bis(2-chloroisipropyl)...	8.237	45	101488	0.55	ng/uL	95
14) Benzyl Alcohol	7.911	108	35065	0.50	ng/uL	87
15) 2-Methylphenol	8.156	108	50742	0.52	ng/uL	94
16) Acetophenone	8.465	105	79736	0.54	ng/uL	92
17) Hexachloroethane	8.651	119	23567	0.54	ng/uL	98
18) 4-Methylphenol	8.494	108	50082	0.52	ng/uL#	49
19) N-Nitroso-di-n-propyla...	8.500	70	38180	0.52	ng/uL#	64
22) Nitrobenzene	8.815	77	58683	0.53	ng/uL#	4
24) Isophorone	9.362	82	101305	0.50	ng/uL	98
25) 2-Chloroaniline	9.438	127	65327	0.51	ng/uL	99
26) 2-Nitrophenol	9.514	139	23956	0.46	ng/uL#	87
27) 2,4-Dimethylphenol	9.665	107	51342	0.51	ng/uL#	48
28) Bis(2-chlorethoxy)methane	9.899	93	64682	0.53	ng/uL	92
29) 2,4-Dichlorophenol	10.044	162	39708	0.50	ng/uL	100
30) Benzoic Acid	10.202	105	371	2.46	ng/uL	99
31) 1,2,4-Trichlorobenzene	10.237	180	48113	0.53	ng/uL	100
32) Naphthalene	10.400	128	170345	0.54	ng/uL	97
33) 4-Chloroaniline	10.563	127	35432	0.46	ng/uL#	52
34) 2,6-Dichlorophenol	10.569	162	40642	0.51	ng/uL	96
35) Hexachlorobutadiene	10.732	225	26980	0.54	ng/uL	100
36) Caprolactam	11.280	55	21667	0.48	ng/uL	89
37) 1,2-Bis(2-chloroethoxy...	11.601	63	53401	0.52	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.735	107	42032	0.48	ng/uL	93
39) 2-Methylnaphthalene	12.020	142	108210	0.54	ng/uL	100
40) 1-Methylnaphthalene	12.242	142	97765	0.54	ng/uL	99
41) 1,3 Dinitrobenzene	13.955	168	13823	0.31	ng/uL	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05bna1004.D
Acq On : 4 Oct 2014 13:13
Operator : JLB
Sample : 05bna1004 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:54:29 2014
Quant Method : C:\msdchem\1\methods\100414bnalinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration

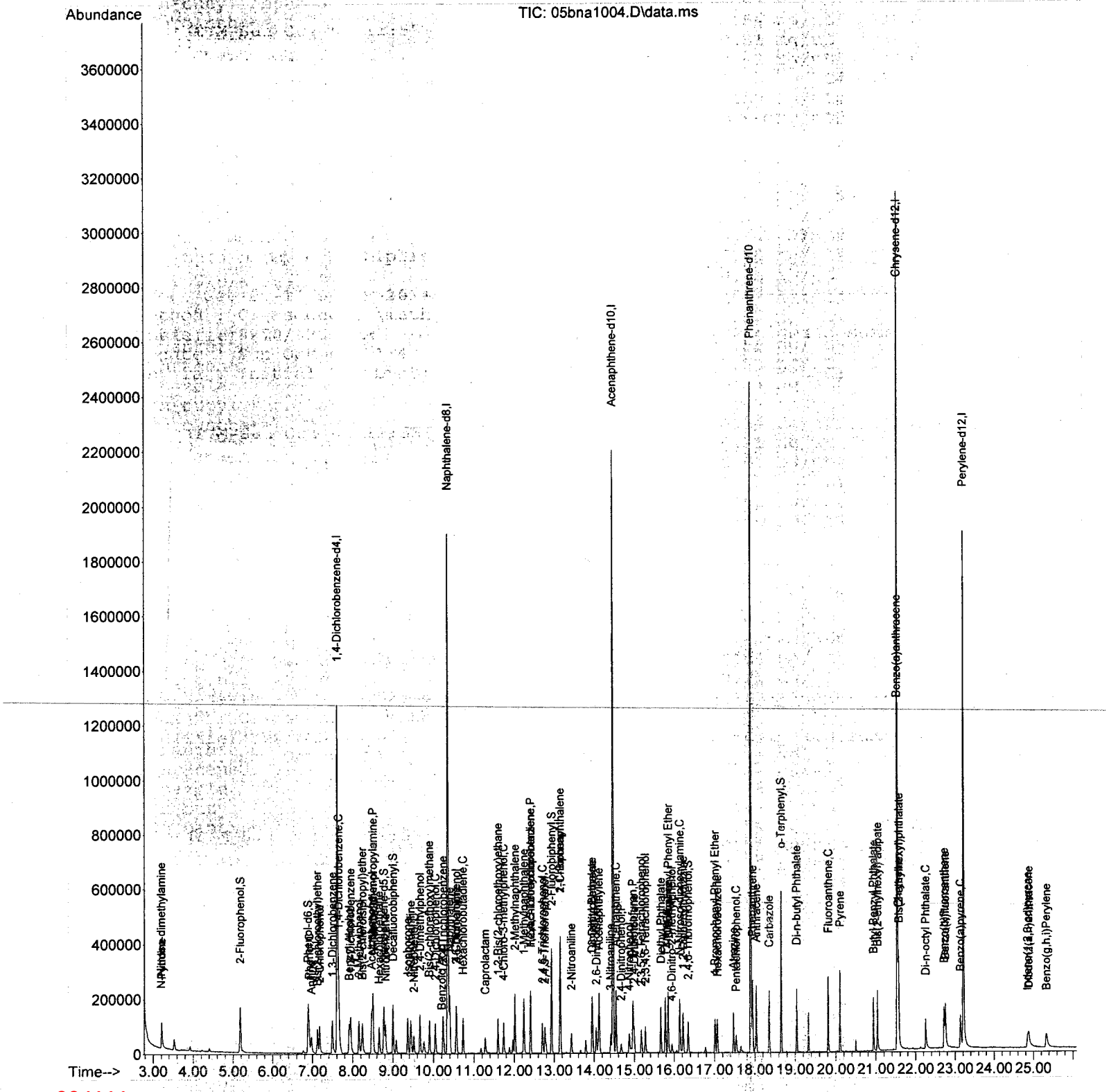
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.411	216	43051	0.55 ng/uL	97
44) Hexachlorocyclopentadiene	12.411	237	20411	0.47 ng/uL	99
45) 2,4,6-Trichlorophenol	12.708	196	23271	0.46 ng/uL	93
46) 2,4,5-Trichlorophenol	12.766	196	24442	0.46 ng/uL	93
48) 2-Chloronaphthalene	13.151	162	94994	0.56 ng/uL	96
49) 1,1'-Biphenyl	13.151	154	133366	0.58 ng/uL	95
50) 2-Nitroaniline	13.431	138	23705	0.41 ng/uL	95
51) Acenaphthylene	14.119	152	145569	0.52 ng/uL#	88
52) 2,6-Dinitrotoluene	14.054	165	20331	0.45 ng/uL#	96
53) Dimethyl Phthalate	13.950	163	100045	0.53 ng/uL	99
54) 3-Nitroaniline	14.410	138	21116	0.53 ng/uL#	1
55) Acenaphthene	14.544	153	100263	0.54 ng/uL	98
56) 2,4-Dinitrophenol	14.672	184	8682	3.15 ng/uL	91
57) Dibenzofuran	14.964	168	131080	0.55 ng/uL	99
58) 4-Nitrophenol	14.870	65	28611	0.80 ng/uL	91
59) 2,4-Dinitrotoluene	14.993	165	25075	0.44 ng/uL#	79
60) 2,3,5,6-Tetrachlorophenol	15.174	232	18540	0.43 ng/uL	97
61) 2,3,4,6-Tetrachlorophenol	15.273	232	21101	0.48 ng/uL	94
62) Fluorene	15.780	166	104280	0.54 ng/uL	97
63) Diethyl Phthalate	15.669	149	98006	0.55 ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.855	204	49943	0.56 ng/uL	94
65) 4-Nitroaniline	15.855	138	20779	0.72 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.943	198	7129	1.18 ng/uL	92
68) N-Nitroso-diphenylamine	16.141	169	83024	0.53 ng/uL	98
69) 1,2-Diphenylhydrazine	16.223	182	28800	0.51 ng/uL	87
71) 4-Bromophenyl Phenyl E...	17.015	248	23945	0.50 ng/uL	96
72) Hexachlorobenzene	17.074	284	27333	0.52 ng/uL	96
73) Atrazine	17.470	200	23215	0.49 ng/uL	94
74) Pentachlorophenol	17.534	266	12049	0.39 ng/uL	95
75) Phenanthrene	17.942	178	151855	0.55 ng/uL	97
76) Anthracene	18.035	178	139677	0.53 ng/uL	99
77) Carbazole	18.362	167	124421	0.54 ng/uL	99
79) Di-n-butyl Phthalate	19.038	149	127449	0.47 ng/uL	99
80) Fluoranthene	19.819	202	140853	0.54 ng/uL	95
82) Pyrene	20.105	202	148867	0.51 ng/uL	98
83) Butyl Benzyl Phthalate	20.944	149	48040	0.42 ng/uL	90
84) Bis(2-ethylhexyl) adipate	21.043	129	40677	0.42 ng/uL#	100 84
85) Benzo(a)anthracene	21.521	228	117639	0.52 ng/uL#	94
86) Chrysene	21.562	228	120202	0.55 ng/uL#	90
87) Bis(2-ethylhexyl)phtha...	21.573	149	66185	0.45 ng/uL	93
88) Di-n-octyl Phthalate	22.255	149	85225	0.65 ng/uL	99 130
90) Benzo(b)fluoroanthene	22.722	252	85974	0.46 ng/uL	97
91) Benzo(k)fluoranthene	22.751	252	103633	0.49 ng/uL#	89
92) Benzo(a)pyrene	23.135	252	79300	0.45 ng/uL	96
93) Indeno(1,2,3-cd)pyrene	24.849	276	72732	0.47 ng/uL#	74
94) Dibenz(a,h)anthracene	24.878	278	55351	0.44 ng/uL#	90
95) Benzo(g,h,i)Perylene	25.333	276	67032	0.51 ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05bna1004.D
Acq On : 4 Oct 2014 13:13
Operator : JLB
Sample : 05bna1004 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:54:29 2014
Quant Method : C:\msdchem\1\methods\100414bnalinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 1bna1004.D
Acq On : 4 Oct 2014 13:45
Operator : JLB
Sample : 1bna1004 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 05 11:56:58 2014
Quant Method : C:\msdchem\1\methods\100414bnalinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration

8270D linear ✓

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	412675	5.00	ng/uL	#-0.01
20) Naphthalene-d8	10.353	136	1563637	5.00	ng/uL	-0.01
42) Acenaphthene-d10	14.468	164	860441	5.00	ng/uL	-0.02
66) Phenanthrene-d10	17.901	188	1373744	5.00	ng/uL	0.00
81) Chrysene-d12	21.533	240	1142348	5.00	ng/uL	#-0.01
89) Perylene-d12	23.211	264	941182	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	184344	1.96	ng/uL	-0.06
6) Phenol-d6	6.885	99	238728	1.96	ng/uL	-0.06
21) Nitrobenzene-d5	8.774	82	195185	1.95	ng/uL	-0.04
23) Decafluorobiphenyl	9.001	334	139999	2.00	ng/uL	-0.02
47) 2-Fluorobiphenyl	12.935	172	375937	2.11	ng/uL	-0.03
70) 2,4,6-Tribromophenol	16.351	330	37542	1.80	ng/uL	-0.03
78) o-Terphenyl	18.659	230	245775	2.09	ng/uL	-0.02
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.196	74	60087	0.99	ng/uL	93
3) Pyridine	3.202	79	107335	1.03	ng/uL#	80
5) Aniline	6.967	93	65958	0.86	ng/uL	91
7) Phenol	6.914	94	142068	1.02	ng/uL	95
8) Bis(2-chloroethyl)ether	7.118	93	119293	1.02	ng/uL	91
9) 2-Chlorophenol	7.177	128	110222	1.00	ng/uL#	31
10) 1,3-Dichlorobenzene	7.486	146	123670	1.04	ng/uL	97
11) 1,4-Dichlorobenzene	7.643	146	123976	1.03	ng/uL	90
12) 1,2-Dichlorobenzene	7.946	146	118020	1.05	ng/uL	96
13) Bis(2-chloroisipropyl)...	8.237	45	196962	1.06	ng/uL	94
14) Benzyl Alcohol	7.911	108	69886	0.98	ng/uL	86
15) 2-Methylphenol	8.150	108	99222	1.01	ng/uL	95
16) Acetophenone	8.465	105	149683	1.01	ng/uL	88
17) Hexachloroethane	8.651	119	45844	1.03	ng/uL	99
18) 4-Methylphenol	8.488	108	100870	1.03	ng/uL#	49
19) N-Nitroso-di-n-propyla...	8.500	70	74009	0.99	ng/uL#	65
22) Nitrobenzene	8.815	77	112139	1.03	ng/uL#	3
24) Isophorone	9.362	82	204108	1.02	ng/uL	98
25) 2-Chloroaniline	9.438	127	124403	0.97	ng/uL	99
26) 2-Nitrophenol	9.514	139	49199	0.95	ng/uL#	86
27) 2,4-Dimethylphenol	9.665	107	102804	1.02	ng/uL#	40
28) Bis(2-chlorethoxy)methane	9.899	93	127600	1.05	ng/uL	97
29) 2,4-Dichlorophenol	10.044	162	78511	0.99	ng/uL	99
30) Benzoic Acid	9.788	105	74780	3.33	ng/uL	95
31) 1,2,4-Trichlorobenzene	10.243	180	95871	1.06	ng/uL	97
32) Naphthalene	10.400	128	329946	1.06	ng/uL	99
33) 4-Chloroaniline	10.563	127	68398	0.89	ng/uL#	49
34) 2,6-Dichlorophenol	10.569	162	80333	1.02	ng/uL	97
35) Hexachlorobutadiene	10.732	225	51057	1.03	ng/uL	98
36) Caprolactam	11.286	55	43622	0.97	ng/uL	91
37) 1,2-Bis(2-chloroethoxy...	11.601	63	107753	1.06	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.741	107	85249	0.97	ng/uL	92
39) 2-Methylnaphthalene	12.020	142	210294	1.06	ng/uL	99
40) 1-Methylnaphthalene	12.242	142	189385	1.05	ng/uL	98
41) 1,3 Dinitrobenzene	13.955	168	29846	0.81	ng/uL	100

81

004112

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 1bna1004.D
Acq On : 4 Oct 2014 13:45
Operator : JLB
Sample : 1bna1004 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 05 11:56:58 2014
Quant Method : C:\msdchem\1\methods\100414bnalinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration

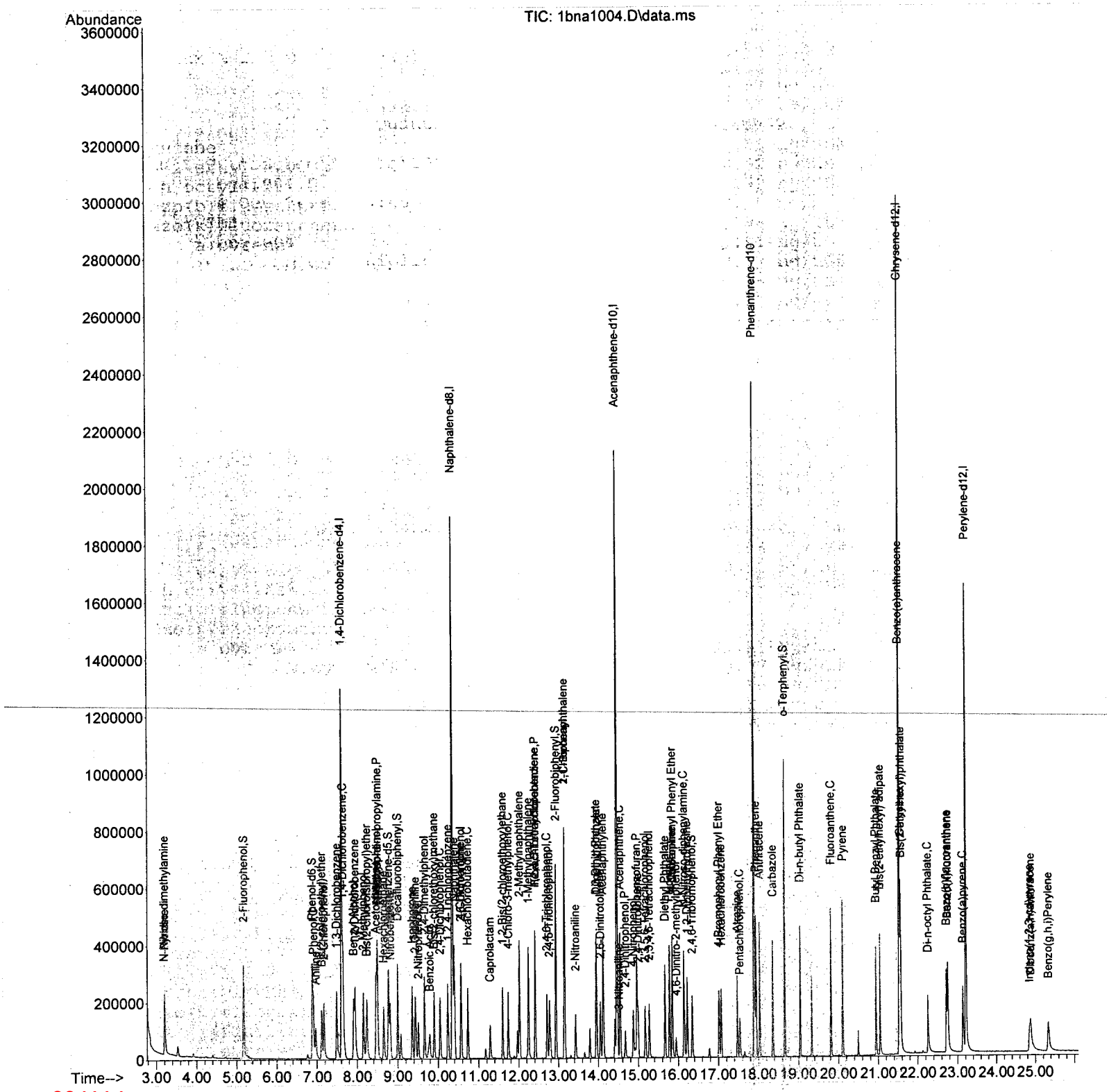
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.411	216	82742	1.09	ng/uL	97
44) Hexachlorocyclopentadiene	12.411	237	40187	0.95	ng/uL	97
45) 2,4,6-Trichlorophenol	12.702	196	47979	0.97	ng/uL	97
46) 2,4,5-Trichlorophenol	12.766	196	50757	0.98	ng/uL	92
48) 2-Chloronaphthalene	13.151	162	184523	1.11	ng/uL	95
49) 1,1'-Biphenyl	13.151	154	251614	1.11	ng/uL	96
50) 2-Nitroaniline	13.431	138	50409	0.90	ng/uL	95
51) Acenaphthylene	14.119	152	293091	1.06	ng/uL#	87
52) 2,6-Dinitrotoluene	14.054	165	44090	0.99	ng/uL	97
53) Dimethyl Phthalate	13.955	163	195810	1.05	ng/uL	100
54) 3-Nitroaniline	14.515	138	373	0.01	ng/uL#	1
55) Acenaphthene	14.544	153	190423	1.05	ng/uL	97
56) 2,4-Dinitrophenol	14.672	184	23217	3.69	ng/uL	93
57) Dibenzofuran	14.964	168	251687	1.07	ng/uL	99
58) 4-Nitrophenol	14.870	65	70679	2.01	ng/uL	86
59) 2,4-Dinitrotoluene	14.993	165	54553	0.98	ng/uL#	81
60) 2,3,5,6-Tetrachlorophenol	15.174	232	40134	0.95	ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.273	232	41171	0.96	ng/uL	97
62) Fluorene	15.780	166	200149	1.05	ng/uL	97
63) Diethyl Phthalate	15.669	149	186294	1.06	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.856	204	94786	1.08	ng/uL	94
65) 4-Nitroaniline	15.856	138	39627	1.41	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.949	198	17317	1.47	ng/uL	91
68) N-Nitroso-diphenylamine	16.141	169	157095	1.03	ng/uL	98
69) 1,2-Diphenylhydrazine	16.223	182	56497	1.03	ng/uL	83
71) 4-Bromophenyl Phenyl E...	17.015	248	47402	1.02	ng/uL	97
72) Hexachlorobenzene	17.074	284	53220	1.05	ng/uL	97
73) Atrazine	17.470	200	44725	0.98	ng/uL	94
74) Pentachlorophenol	17.534	266	24258	0.82	ng/uL	95
75) Phenanthrene	17.942	178	283684	1.07	ng/uL	99
76) Anthracene	18.035	178	269852	1.05	ng/uL	99
77) Carbazole	18.362	167	231531	1.05	ng/uL	99
79) Di-n-butyl Phthalate	19.038	149	254093	0.96	ng/uL	99
80) Fluoroanthene	19.819	202	263649	1.04	ng/uL	95
82) Pyrene	20.110	202	274370	1.01	ng/uL	98
83) Butyl Benzyl Phthalate	20.944	149	92831	0.87	ng/uL	91
84) Bis(2-ethylhexyl) adipate	21.043	129	81269	0.84	ng/uL#	100
85) Benzo(a)anthracene	21.521	228	203468	0.98	ng/uL#	95
86) Chrysene	21.562	228	219563	1.08	ng/uL#	90
87) Bis(2-ethylhexyl)phtha...	21.573	149	125784	0.92	ng/uL	94
88) Di-n-octyl Phthalate	22.255	149	163570	0.99	ng/uL	99
90) Benzo(b)fluoroanthene	22.722	252	162527	0.95	ng/uL	94
91) Benzo(k)fluoranthene	22.751	252	188894	0.98	ng/uL	93
92) Benzo(a)pyrene	23.135	252	146553	0.91	ng/uL	97
93) Indeno(1,2,3-cd)pyrene	24.849	276	134931	0.97	ng/uL#	65
94) Dibdenz(a,h)anthracene	24.878	278	108411	0.95	ng/uL	93
95) Benzo(g,h,i)Perylene	25.333	276	125969	1.05	ng/uL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 1bna1004.D
Acq On : 10 Oct 2014 13:45
Operator : [illegible]
Sample : 1bna1004 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 05 11:56:58 2014
Quant Method : C:\msdchem\1\methods\100414bnalinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 2bna1004.D
Acq On : 4 Oct 2014 14:17
Operator : JLB
Sample : 2bna1004 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 05 11:59:16 2014
Quant Method : C:\msdchem\1\methods\100414bnalinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration

8270D linear ✓

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	429908	5.00	ng/uL	#-0.01
20) Naphthalene-d8	10.353	136	1612825	5.00	ng/uL	-0.01
42) Acenaphthene-d10	14.468	164	877869	5.00	ng/uL	-0.02
66) Phenanthrene-d10	17.901	188	1350207	5.00	ng/uL	0.00
81) Chrysene-d12	21.532	240	1059011	5.00	ng/uL	#-0.01
89) Perylene-d12	23.211	264	896519	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	377834	3.85	ng/uL	-0.06
6) Phenol-d6	6.891	99	491595	3.87	ng/uL	-0.06
21) Nitrobenzene-d5	8.774	82	403293	3.91	ng/uL	-0.04
23) Decafluorobiphenyl	9.001	334	284650	3.94	ng/uL	-0.02
47) 2-Fluorobiphenyl	12.935	172	743853	4.10	ng/uL	-0.03
70) 2,4,6-Tribromophenol	16.351	330	78244	3.82	ng/uL	-0.04
78) o-Terphenyl	18.659	230	492776	4.26	ng/uL	-0.02
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.196	74	126547	1.99	ng/uL	83
3) Pyridine	3.201	79	218536	2.01	ng/uL#	82
5) Aniline	6.967	93	156805	1.68	ng/uL	94
7) Phenol	6.914	94	285583	1.98	ng/uL	99
8) Bis(2-chloroethyl)ether	7.118	93	241244	1.98	ng/uL	92
9) 2-Chlorophenol	7.171	128	222738	1.94	ng/uL#	31
10) 1,3-Dichlorobenzene	7.485	146	247399	1.99	ng/uL	98
11) 1,4-Dichlorobenzene	7.643	146	248158	1.99	ng/uL	92
12) 1,2-Dichlorobenzene	7.946	146	234240	2.01	ng/uL	95
13) Bis(2-chloroisipropyl)...	8.237	45	391025	2.02	ng/uL	96
14) Benzyl Alcohol	7.911	108	143680	1.94	ng/uL	86
15) 2-Methylphenol	8.156	108	199397	1.94	ng/uL	96
16) Acetophenone	8.465	105	301784	1.95	ng/uL	90
17) Hexachloroethane	8.651	119	91953	1.98	ng/uL	98
18) 4-Methylphenol	8.494	108	201857	1.97	ng/uL#	49
19) N-Nitroso-di-n-propyla...	8.500	70	151352	1.95	ng/uL#	70
22) Nitrobenzene	8.814	77	226807	2.01	ng/uL#	1
24) Isophorone	9.362	82	410840	1.98	ng/uL	98
25) 2-Chloroaniline	9.438	127	253140	1.92	ng/uL	99
26) 2-Nitrophenol	9.514	139	102252	1.91	ng/uL#	88
27) 2,4-Dimethylphenol	9.665	107	200171	1.93	ng/uL#	19
28) Bis(2-chlorethoxy)methane	9.904	93	246482	1.96	ng/uL	95
29) 2,4-Dichlorophenol	10.044	162	160092	1.95	ng/uL	98
30) Benzoic Acid	9.840	105	184626	4.54	ng/uL	98 113.5
31) 1,2,4-Trichlorobenzene	10.242	180	186607	2.00	ng/uL	98
32) Naphthalene	10.400	128	649599	2.02	ng/uL	99
33) 4-Chloroaniline	10.563	127	140267	1.78	ng/uL#	50
34) 2,6-Dichlorophenol	10.569	162	159087	1.96	ng/uL	97
35) Hexachlorobutadiene	10.732	225	102816	2.02	ng/uL	98
36) Caprolactam	11.303	55	87240	1.88	ng/uL	93
37) 1,2-Bis(2-chloroethoxy...	11.600	63	200331	1.90	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.740	107	172992	1.92	ng/uL	93
39) 2-Methylnaphthalene	12.020	142	410751	2.00	ng/uL	99
40) 1-Methylnaphthalene	12.242	142	374743	2.01	ng/uL	99
41) 1,3 Dinitrobenzene	13.955	168	61725	1.75	ng/uL	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 2bna1004.D
Acq On : 4 Oct 2014 14:17
Operator : JLB
Sample : 2bna1004 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 05 11:59:16 2014
Quant Method : C:\msdchem\1\methods\100414bnalinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration

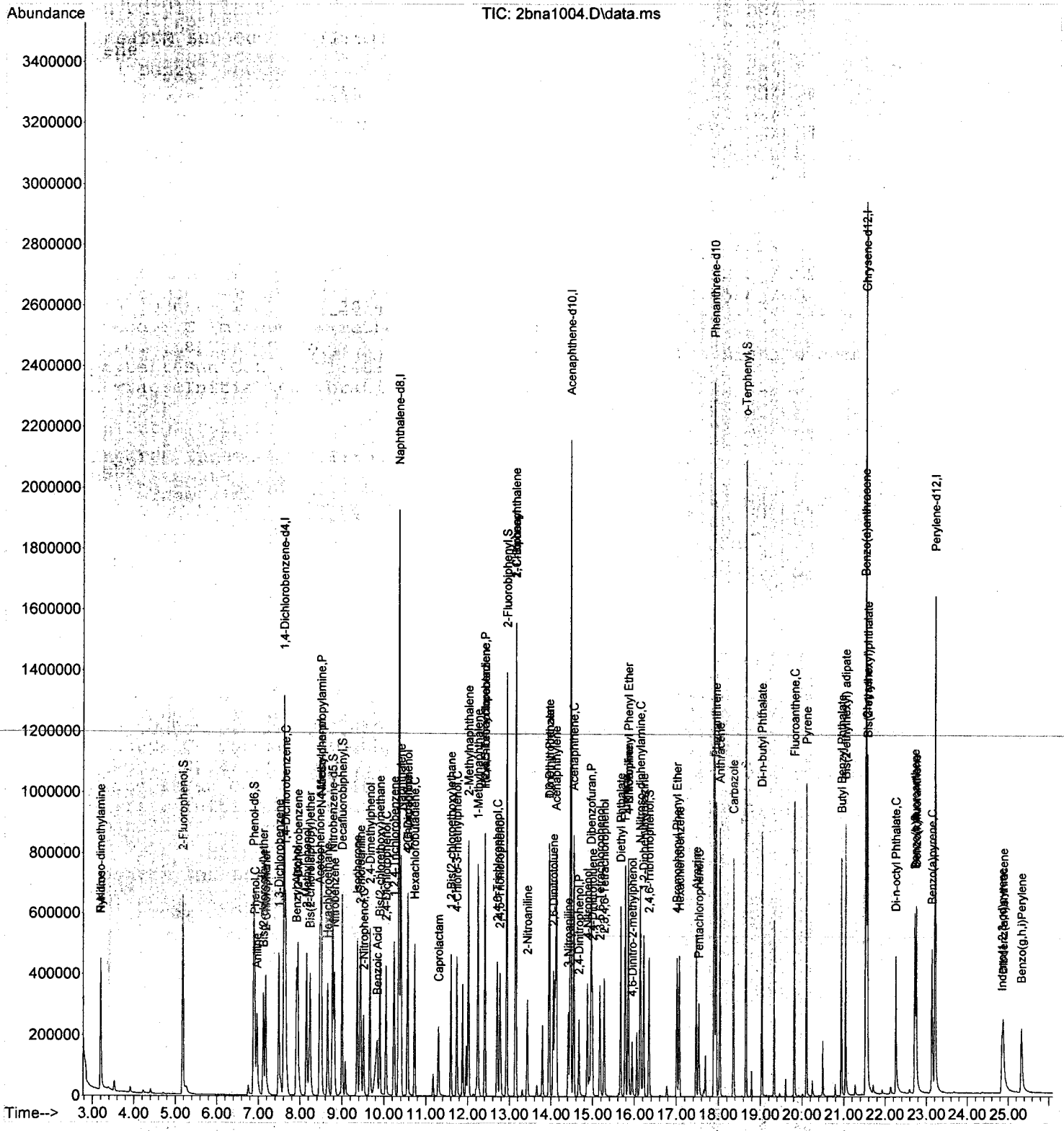
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) 1,2,4,5-Tetrachloroben...	12.411	216	162852	2.09	ng/uL	99	
44) Hexachlorocyclopentadiene	12.411	237	82380	1.91	ng/uL	98	
45) 2,4,6-Trichlorophenol	12.708	196	98028	1.95	ng/uL	95	
46) 2,4,5-Trichlorophenol	12.766	196	101060	1.92	ng/uL#	91	
48) 2-Chloronaphthalene	13.151	162	359697	2.12	ng/uL	94	
49) 1,1'-Biphenyl	13.151	154	482928	2.09	ng/uL	96	
50) 2-Nitroaniline	13.431	138	107099	1.86	ng/uL	97	
51) Acenaphthylene	14.118	152	571432	2.03	ng/uL#	86	
52) 2,6-Dinitrotoluene	14.054	165	89050	1.96	ng/uL	97	
53) Dimethyl Phthalate	13.955	163	380937	2.01	ng/uL	99	
54) 3-Nitroaniline	14.416	138	82793	2.08	ng/uL#	1	
55) Acenaphthene	14.544	153	372632	2.01	ng/uL	98	
56) 2,4-Dinitrophenol	14.672	184	61877	5.08	ng/uL	90	127
57) Dibenzofuran	14.964	168	479741	2.00	ng/uL	100	
58) 4-Nitrophenol	14.876	65	132384	3.70	ng/uL	94	
59) 2,4-Dinitrotoluene	14.993	165	109673	1.93	ng/uL	85	
60) 2,3,5,6-Tetrachlorophenol	15.173	232	81589	1.89	ng/uL	98	
61) 2,3,4,6-Tetrachlorophenol	15.272	232	79493	1.82	ng/uL	94	
62) Fluorene	15.780	166	388070	2.00	ng/uL	97	
63) Diethyl Phthalate	15.669	149	355653	1.99	ng/uL	96	
64) 4-Chlorophenyl Phenyl ...	15.855	204	177368	1.98	ng/uL	92	
65) 4-Nitroaniline	15.855	138	76314	2.65	ng/uL#	1	
67) 4,6-Dinitro-2-methylph...	15.949	198	45103	2.27	ng/uL	97	113.5
68) N-Nitroso-diphenylamine	16.141	169	299546	2.01	ng/uL	98	
69) 1,2-Diphenylhydrazine	16.223	182	106926	1.98	ng/uL	85	
71) 4-Bromophenyl Phenyl E...	17.015	248	92540	2.03	ng/uL	99	
72) Hexachlorobenzene	17.074	284	101820	2.04	ng/uL	97	
73) Atrazine	17.476	200	87644	1.95	ng/uL	97	
74) Pentachlorophenol	17.534	266	54374	1.86	ng/uL	99	
75) Phenanthrene	17.942	178	530184	2.03	ng/uL	98	
76) Anthracene	18.035	178	504559	2.00	ng/uL	99	
77) Carbazole	18.362	167	445457	2.05	ng/uL	99	
79) Di-n-butyl Phthalate	19.038	149	500337	1.93	ng/uL	100	
80) Fluoranthene	19.819	202	494645	1.98	ng/uL	95	
82) Pyrene	20.110	202	516385	2.06	ng/uL	99	
83) Butyl Benzyl Phthalate	20.944	149	186074	1.88	ng/uL	91	
84) Bis(2-ethylhexyl) adipate	21.043	129	166372	1.76	ng/uL#	100	
85) Benzo(a)anthracene	21.521	228	386296	2.00	ng/uL	97	
86) Chrysene	21.562	228	382980	2.03	ng/uL#	89	
87) Bis(2-ethylhexyl)phtha...	21.573	149	247490	1.95	ng/uL	92	
88) Di-n-octyl Phthalate	22.255	149	335985	1.78	ng/uL	100	
90) Benzo(b)fluoroanthene	22.721	252	312617	1.92	ng/uL	97	
91) Benzo(k)fluoranthene	22.756	252	361343	1.96	ng/uL	97	
92) Benzo(a)pyrene	23.135	252	291774	1.90	ng/uL	98	
93) Indeno(1,2,3-cd)pyrene	24.849	276	258667	1.95	ng/uL	89	
94) Dibdenz(a,h)anthracene	24.878	278	208225	1.92	ng/uL#	90	
95) Benzo(g,h,i)Perylene	25.333	276	234480	2.05	ng/uL	96	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 2bna1004.D
Acq On : 4 Oct 2014 14:17
Operator : JLB
Sample : 2bna1004 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 05 11:59:16 2014
Quant Method : C:\msdchem\1\methods\100414bnalinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration



004117

Compound List Report 339

Method Path : C:\msdchem\1\methods\
Method File : 100414abe.M
Title : 8270/625 BNA
Last Update : Sun Oct 05 12:10:54 2014
Response Via : Initial Calibration

Total Cpnds : 22

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dichlorobenzene-d4	152	7.614	1.000	A	2	A	B
2		N-Nitroso-dimethylamine	74	3.207	0.421	A	1	A	B
3		Pyridine	79	3.184	0.418	A	1	A	B
4		Aniline	93	6.978	0.917	A	1	A	B
5		Benzaldehyde	105	6.769	0.889	A	2	A	B
6		Acetophenone	105	8.476	1.113	A	2	A	B
7	P	N-Nitroso-di-n-propylamine	70	8.517	1.119	A	1	A	B
8	I	Naphthalene-d8	136	10.353	1.000	A	1	A	B
9		4-Chloroaniline	127	10.574	1.021	L	1	A	B
10		Caprolactam	55	11.367	1.098	L	2	A	B
11	I	Acenaphthene-d10	164	14.468	1.000	A	2	A	B
12		1,1'-Biphenyl	154	13.163	0.910	A	2	A	B
13		2-Nitroaniline	138	13.454	0.930	L	2	A	B
14		3-Nitroaniline	138	14.439	0.998	L	2	A	B
15		4-Nitroaniline	138	15.890	1.098	L	2	A	B
16	I	Phenanthrene-d10	188	17.895	1.000	A	2	A	B
17	C	N-Nitroso-diphenylamine	169	16.158	0.903	A	2	A	B
18		Atrazine	200	17.499	0.978	L	1	A	B
19	I	Chrysene-d12	240	21.532	1.000	A	2	A	B
20		Benzidine	184	20.040	0.931	L	1	A	B
21		3,3'-Dichlorobenzidine	252	21.509	0.999	A	1	A	B
22	I	Perylene-d12	264	23.211	1.000	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

004118

Response Factor Report 339

Method Path : C:\msdchem\1\methods\
Method File : 100414abe.M
Title : 8270/625 BNA
Last Update : Sun Oct 05 12:10:54 2014
Response Via : Initial Calibration

Calibration Files
2 =05ab1004.D 3 =1ab1004.D 4 =2ab1004.D 5 =5ab1004.D 6 =10ab1004.D 7 =15ab1004.D 8 =20ab1004.D
9 =25ab1004.D

		Compound	2	3	4	5	6	7	8	9	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD									
2)		N-Nitroso-dime...	0.753	0.782	0.818	0.828	0.796	0.807	0.800	0.755	0.792	3.46
3)		Pyridine	1.261	1.406	1.444	1.475	1.404	1.429	1.418	1.324	1.395	4.96
4)		Aniline	2.229	2.122	2.192	2.222	2.119	2.133	2.109	1.981	2.139	3.73
5)		Benzaldehyde	1.126	1.105	1.139	1.157	1.081	1.095	1.071	1.010	1.098	4.18
6)		Acetophenone	2.023	1.900	1.956	1.979	1.868	1.897	1.865	1.743	1.904	4.49
7)	P	N-Nitroso-di-n...	0.996	0.943	1.009	1.011	0.951	0.957	0.943	0.883	0.962	4.47
8)	I	Naphthalene-d8	ISTD									
9)		4-Chloroaniline	0.425	0.003	0.431	0.440	0.419	0.418	0.415	0.393	0.368	40.27
10)		Caprolactam	0.123	0.119	0.148	0.163	0.158	0.165	0.164	0.158	0.150	12.40
11)	I	Acenaphthene-d10	ISTD									
12)		1,1'-Biphenyl	1.684	1.568	1.578	1.559	1.424	1.432	1.393	1.308	1.493	8.26
13)		2-Nitroaniline	0.279	0.283	0.334	0.363	0.351	0.368	0.363	0.344	0.336	10.54
14)		3-Nitroaniline	0.254	0.251	0.290	0.311	0.298	0.310	0.304	0.290	0.288	8.16
15)		4-Nitroaniline	0.201	0.202	0.248	0.280	0.262	0.272	0.263	0.257	0.248	12.19
16)		Phenanthrene-d10	ISTD									
17)	C	N-Nitroso-diph...	0.614	0.588	0.604	0.608	0.578	0.571	0.564	0.530	0.582	4.77
18)		Atrazine	0.175	0.169	0.190	0.200	0.192	0.187	0.187	0.178	0.185	5.44
19)	I	Chrysene-d12	ISTD									
20)		Benzidine	0.441	0.438	0.513	0.624	0.695	0.694	0.727	0.696	0.604	20.07
21)		3,3'-Dichlorob...	0.219	0.235	0.278	0.318	0.324	0.326	0.307	0.293	0.287	14.19
22)	I	Perylene-d12	ISTD									

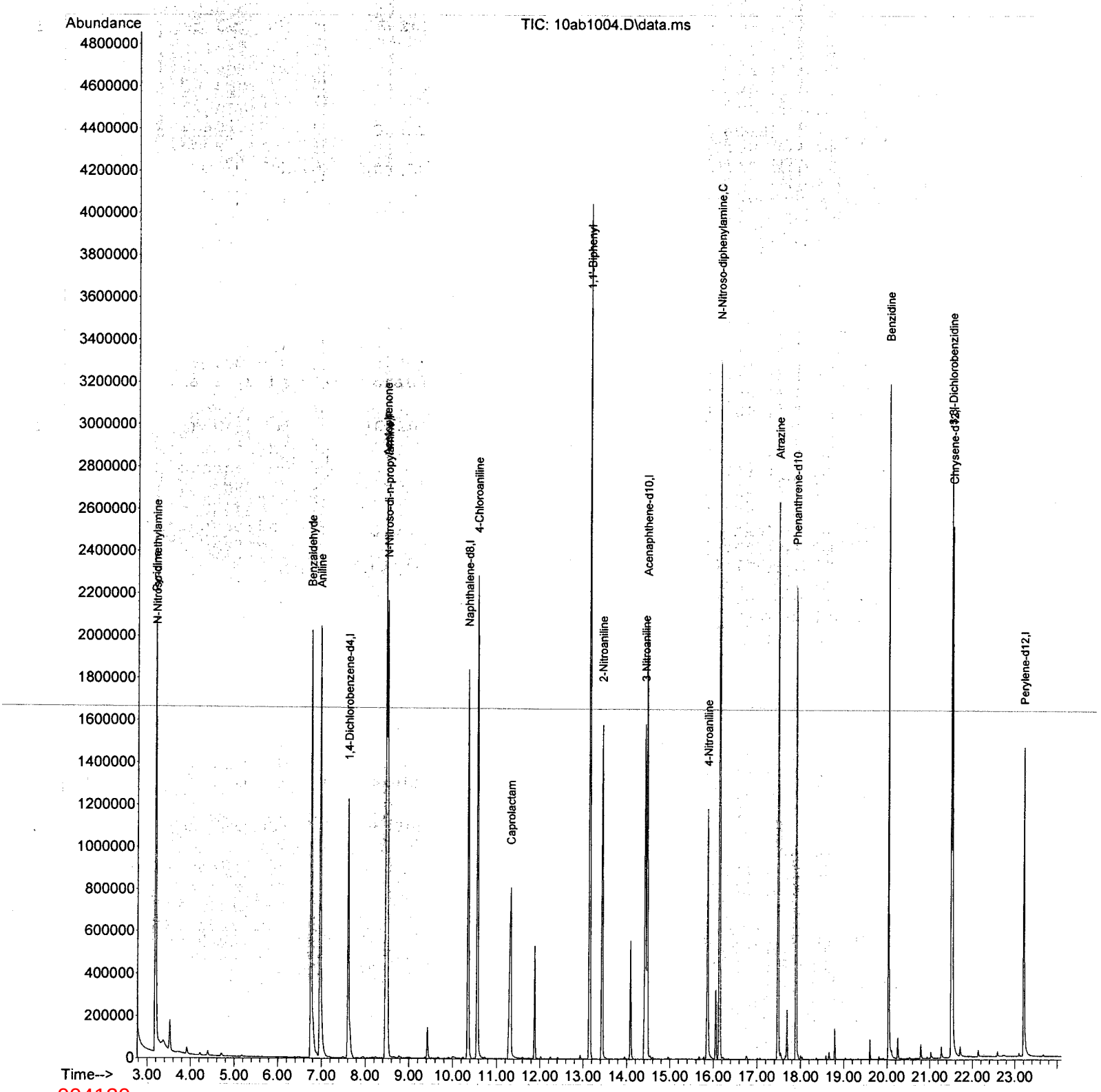
(#) = Out of Range

004119

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 10ab1004.D
Acq On : 4 Oct 2014 19:31
Operator : JLB
Sample : 10ab1004 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 05 12:06:20 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:06:11 2014
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\100414a_339\
Data File : 10ab1004.D
Acq On : 4 Oct 2014 19:31
Operator : JLB
Sample : 10ab1004 Inst : 339
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 05 12:06:20 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:06:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	399082	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1521502	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	842976	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.895	188	1279403	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	1029686	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	849928	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.196	74	635724	10.18	ng/uL		86
3) Pyridine	3.184	79	1120515	9.75	ng/uL#		80
4) Aniline	6.973	93	1691638	9.64	ng/uL		95
5) Benzaldehyde	6.763	105	862692	9.62	ng/uL#		1
6) Acetophenone	8.471	105	1490640	9.70	ng/uL		90
7) N-Nitroso-di-n-propyla...	8.506	70	758971	9.71	ng/uL#		73
9) 4-Chloroaniline	10.569	127	1273673	10.34	ng/uL#		44
10) Caprolactam	11.327	55	479526	10.30	ng/uL		94
12) 1,1'-Biphenyl	13.157	154	2400761	9.58	ng/uL		97
13) 2-Nitroaniline	13.442	138	592049	10.57	ng/uL		99
14) 3-Nitroaniline	14.427	138	501643	10.68	ng/uL#		1
15) 4-Nitroaniline	15.873	138	442187	11.17	ng/uL#		1
17) N-Nitroso-diphenylamine	16.147	169	1479876	10.01	ng/uL		98
18) Atrazine	17.488	200	490054	10.09	ng/uL		98
20) Benzidine	20.035	184	1431622	10.36	ng/uL		96
21) 3,3'-Dichlorobenzidine	21.503	252	666643	11.81	ng/uL		98

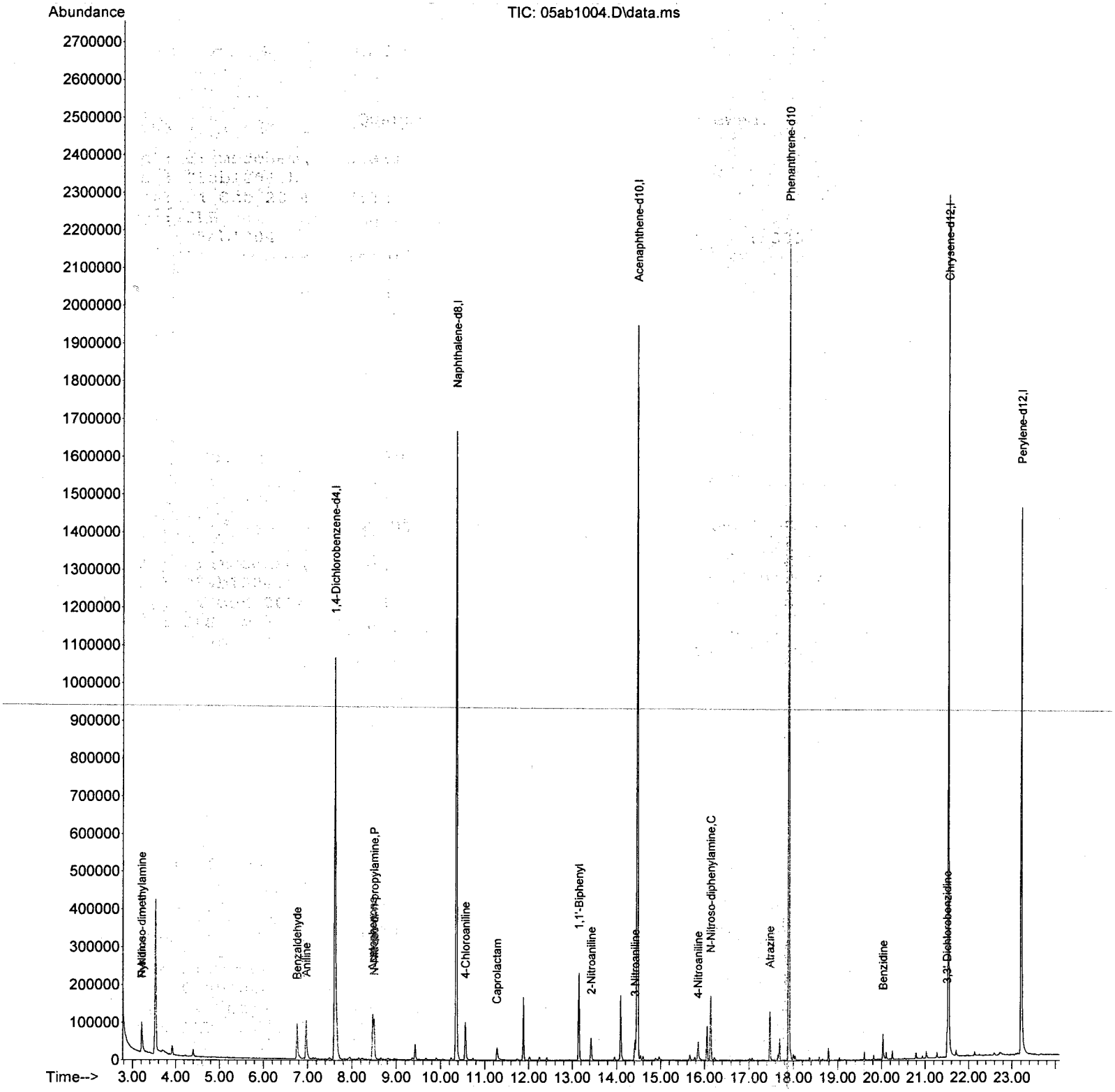
(#) = qualifier out of range (m) = manual integration (+) = signals summed

004121

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05ab1004.D
Acq On : 4 Oct 2014 17:32
Operator : JLB
Sample : 05ab1004 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 05 12:07:12 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:06:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05ab1004.D
Acq On : 4 Oct 2014 17:32
Operator : JLB
Sample : 05ab1004 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 05 12:07:12 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:06:42 2014
Response via : Initial Calibration

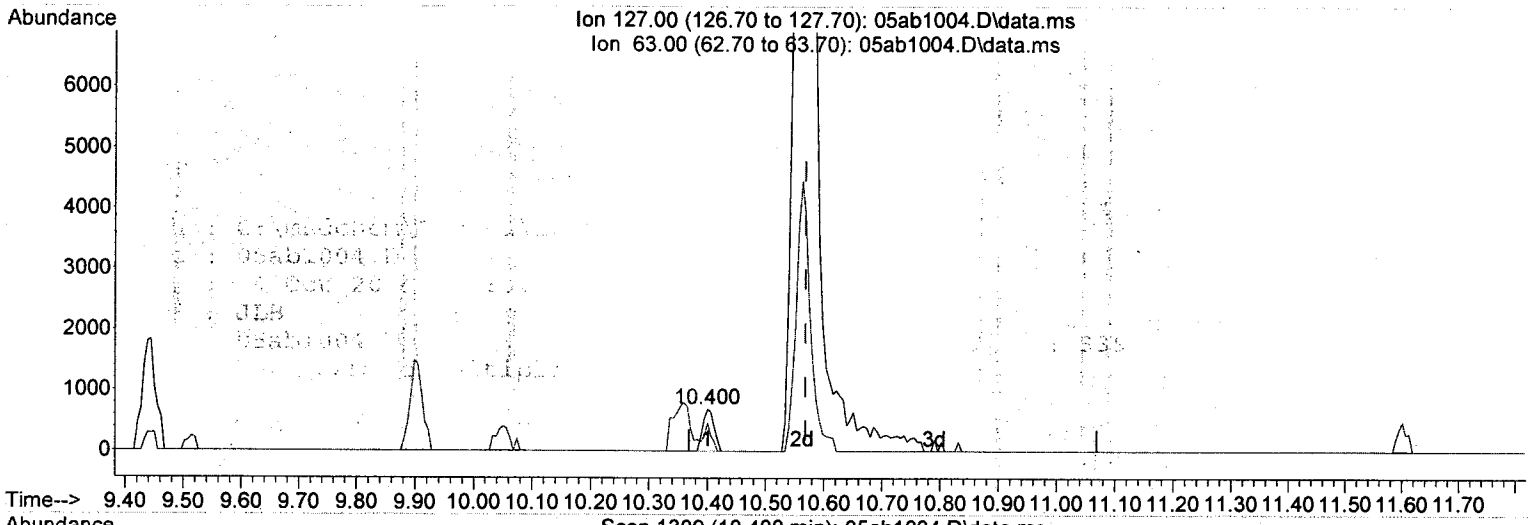
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	350745	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1376323	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	769032	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.896	188	1228572	5.00	ng/uL		0.00
19) Chrysene-d12	21.527	240	1000837	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	854154	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.207	74	26398	0.48	ng/uL		88
3) Pyridine	3.213	79	44246	0.44	ng/uL#		48
4) Aniline	6.967	93	78196	0.51	ng/uL		93
5) Benzaldehyde	6.763	105	39509	0.50	ng/uL#		1
6) Acetophenone	8.465	105	70946	0.52	ng/uL		91
7) N-Nitroso-di-n-propyla...	8.500	70	34941	0.51	ng/uL#		71
9) 4-Chloroaniline	10.563	127	58431m	0.52	ng/uL		
10) Caprolactam	11.274	55	16946	0.31	ng/uL#		86
12) 1,1'-Biphenyl	13.151	154	129480	0.57	ng/uL		96
13) 2-Nitroaniline	13.431	138	21494	0.50	ng/uL		95
14) 3-Nitroaniline	14.416	138	19512	0.54	ng/uL#		1
15) 4-Nitroaniline	15.855	138	15491	0.54	ng/uL#		1
17) N-Nitroso-diphenylamine	16.141	169	75415	0.53	ng/uL		99
18) Atrazine	17.470	200	21510	0.45	ng/uL		100
20) Benzidine	20.035	184	44105	0.88	ng/uL		97
21) 3,3'-Dichlorobenzidine	21.503	252	21886	0.26	ng/uL		99

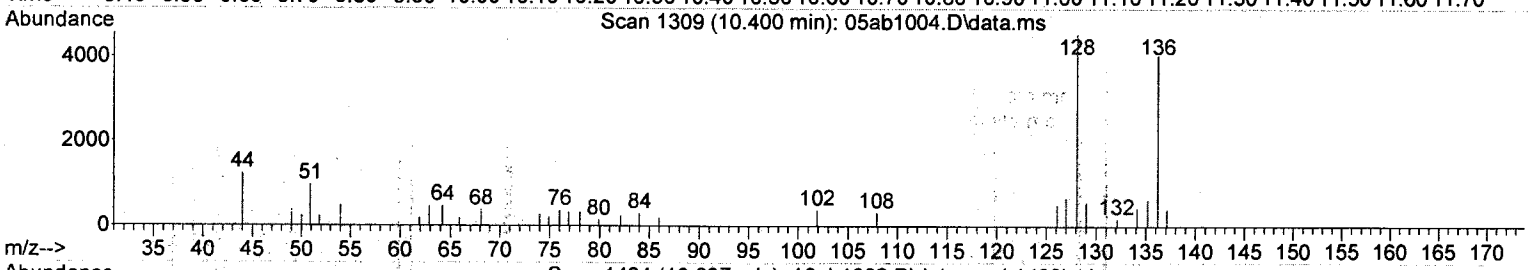
(#) = qualifier out of range (m) = manual integration (+) = signals summed

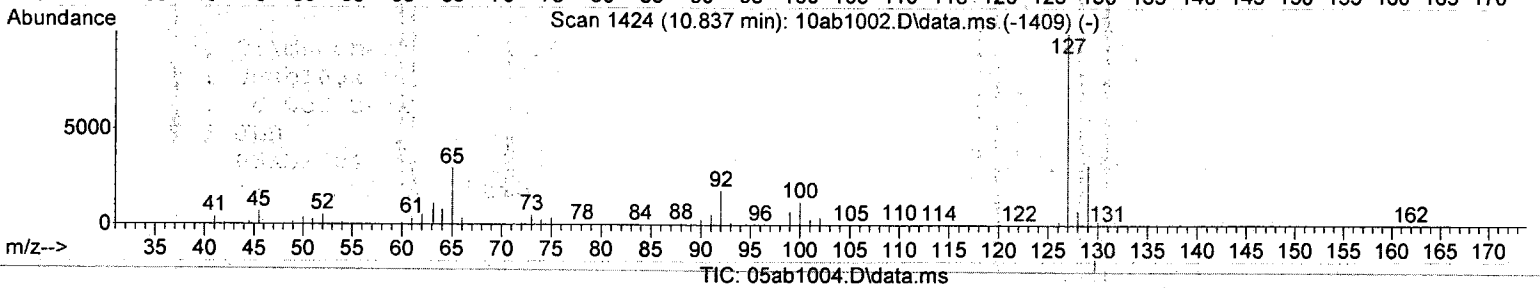
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05ab1004.D
Acq On : 4 Oct 2014 17:32
Operator : JLB
Sample : 05ab1004 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 05 12:06:56 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:06:42 2014
Response via : Initial Calibration







TIC: 05ab1004.D\data.ms

(9) 4-Chloroaniline

10.400min (-0.169) 0.01 ng/uL

response 936

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	42.09
0.00	0.00	0.00
0.00	0.00	0.00

10/6/14

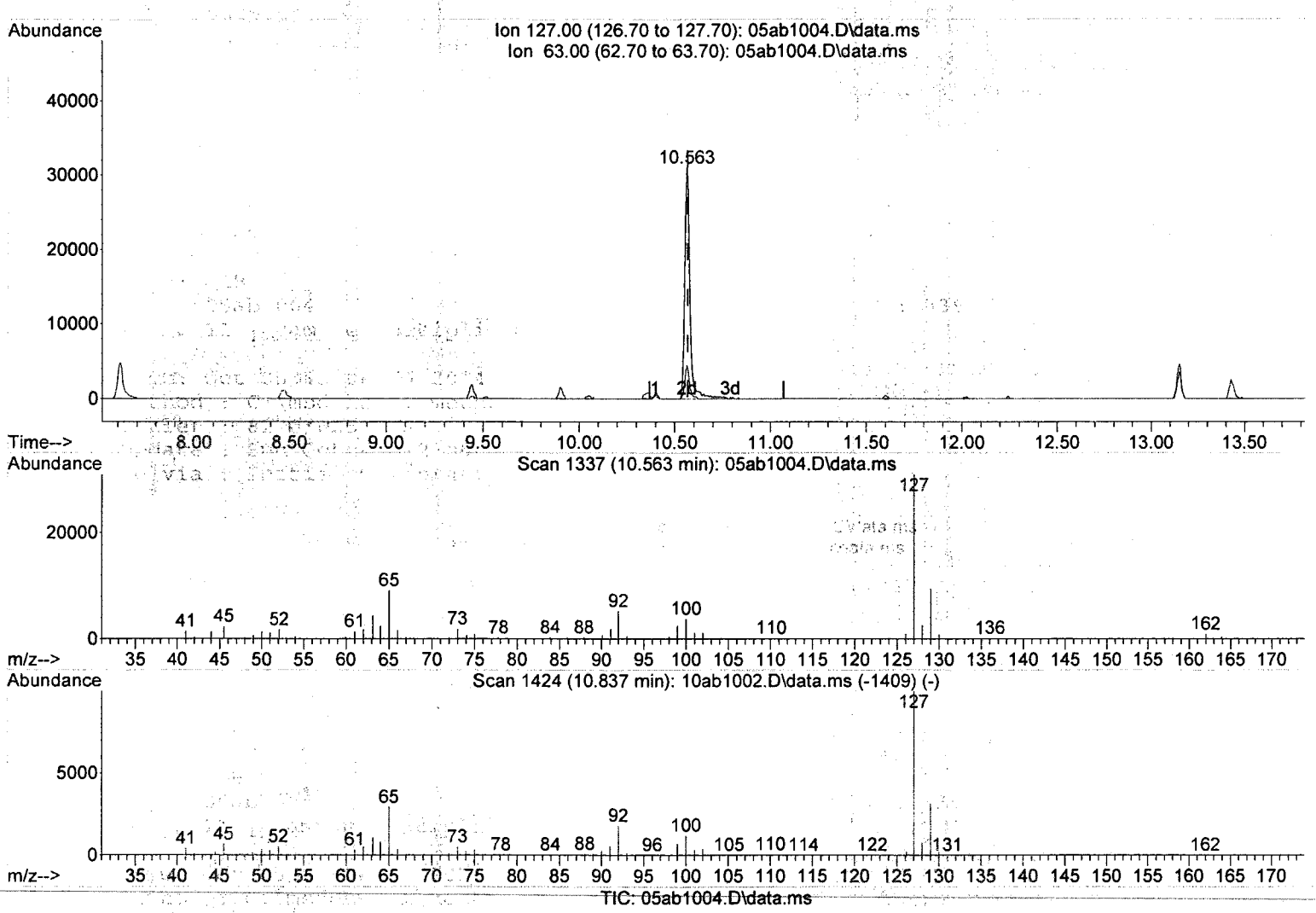
DWS
10-07-14

004124

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05ab1004.D
Acq On : 4 Oct 2014 17:32
Operator : JLB
Sample : 05ab1004 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 05 12:06:56 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:06:42 2014
Response via : Initial Calibration



TIC: 05ab1004.D\data.ms

(9) 4-Chloroaniline

10.563min (-0.006) 0.52 ng/uL m

response 58431

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	0.67#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

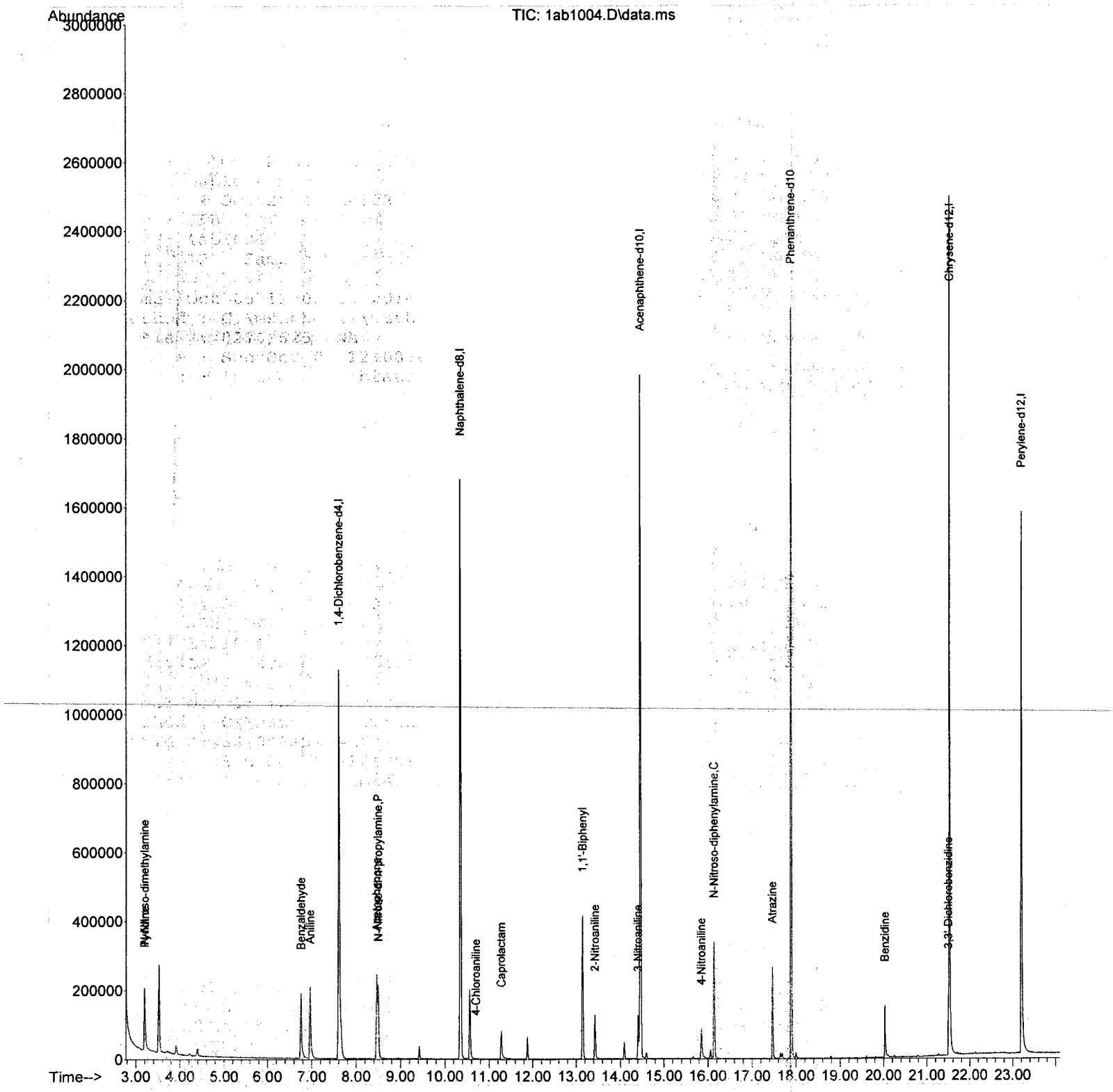
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/16/14
Reviewed By: [illegible] Date: 10-07-14

004125

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 1ab1004.D
Acq On : 4 Oct 2014 18:02
Operator : JLB
Sample : 1ab1004 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 05 12:08:13 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:08:05 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 1ab1004.D
Acq On : 4 Oct 2014 18:02
Operator : JLB
Sample : 1ab1004 Inst : 339
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 05 12:08:13 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:08:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	363340	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1398426	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	775220	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.895	188	1265772	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	1066672	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	906898	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.196	74	56830	0.99	ng/uL		93
3) Pyridine	3.201	79	102149	0.98	ng/uL#		75
4) Aniline	6.967	93	154174	0.96	ng/uL		94
5) Benzaldehyde	6.763	105	80308	0.98	ng/uL#		1
6) Acetophenone	8.465	105	138094	0.98	ng/uL		90
7) N-Nitroso-di-n-propyla...	8.494	70	68508	0.96	ng/uL#		73
9) 4-Chloroaniline	10.703	127	786	0.01	ng/uL		92
10) Caprolactam	11.280	55	33276	0.67	ng/uL		93
12) 1,1'-Biphenyl	13.151	154	243152	1.05	ng/uL		96
13) 2-Nitroaniline	13.431	138	43932	0.90	ng/uL		92
14) 3-Nitroaniline	14.410	138	38914	0.94	ng/uL#		1
15) 4-Nitroaniline	15.855	138	31300	0.90	ng/uL#		1
17) N-Nitroso-diphenylamine	16.141	169	148889	1.01	ng/uL		97
18) Atrazine	17.470	200	42900	0.87	ng/uL		97
20) Benzidine	20.035	184	93545	1.16	ng/uL#		94
21) 3,3'-Dichlorobenzidine	21.503	252	50204	0.69	ng/uL		97

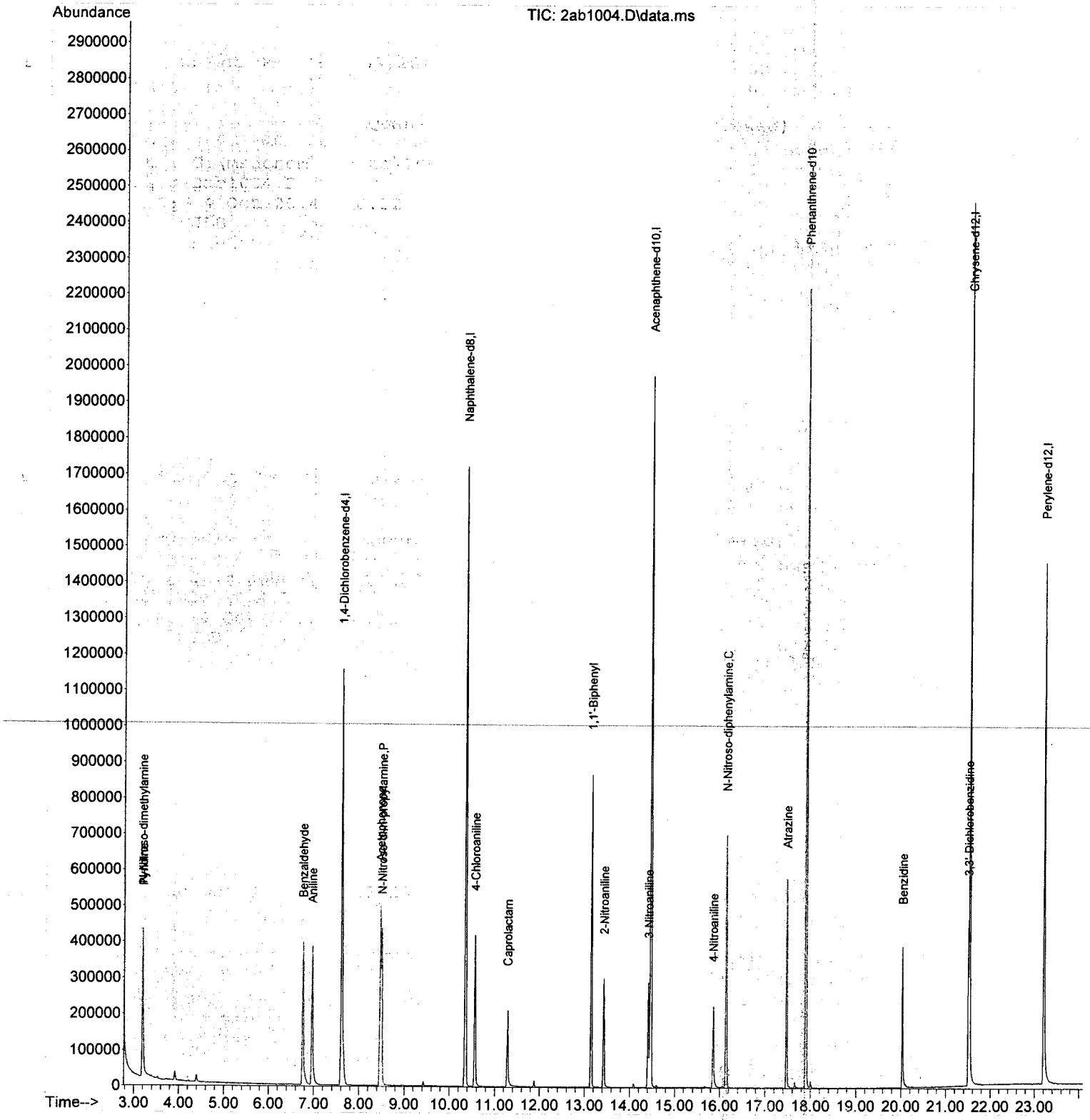
(#) = qualifier out of range (m) = manual integration (+) = signals summed

004127

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 2ab1004.D
Acq On : 4 Oct 2014 18:32
Operator : JLB
Sample : 2ab1004 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 05 12:08:44 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:08:37 2014
Response via : Initial Calibration



004128

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 2ab1004.D
Acq On : 4 Oct 2014 18:32
Operator : JLB
Sample : 2ab1004 Inst : 339
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 05 12:08:44 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:08:37 2014
Response via : Initial Calibration

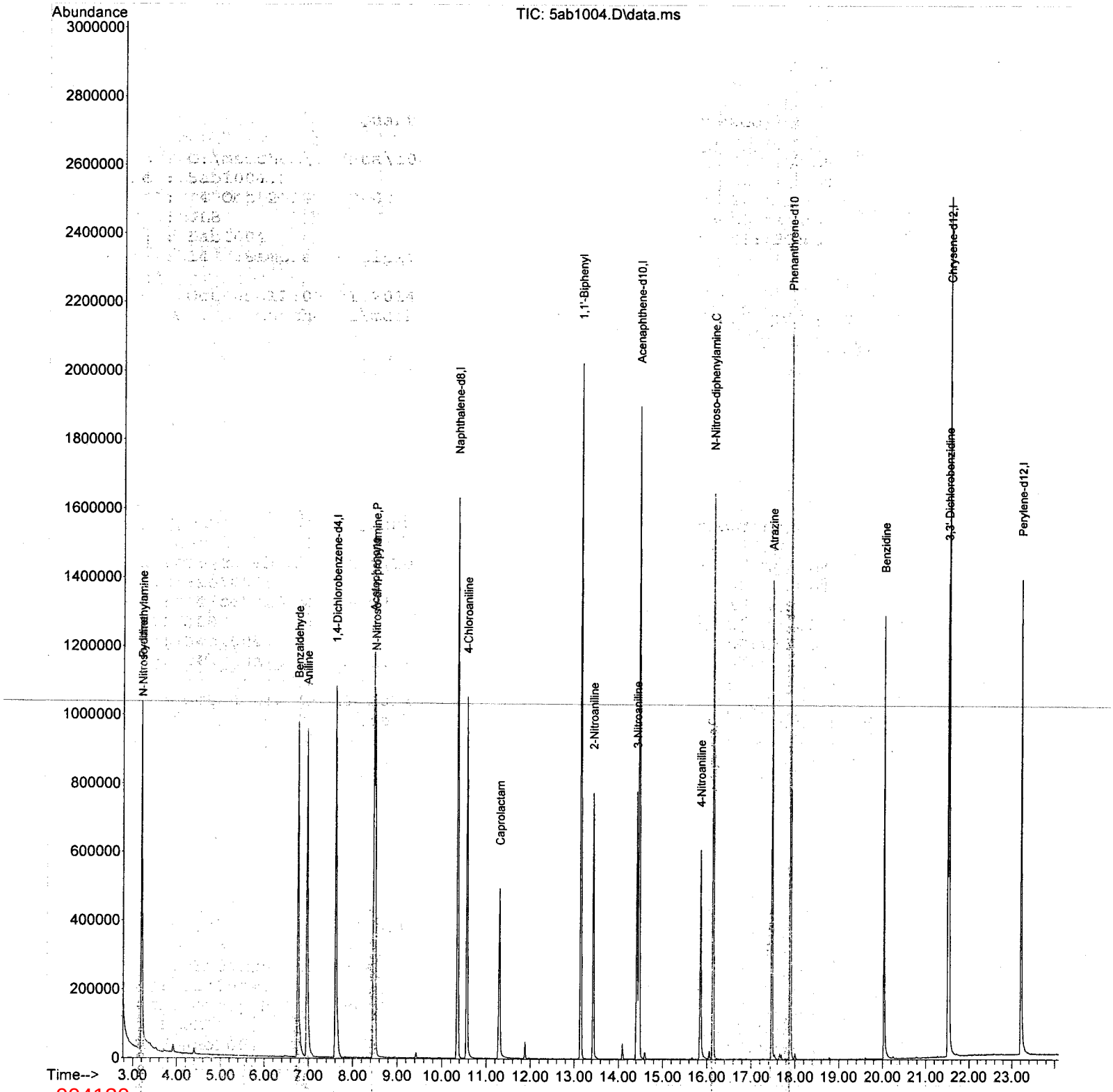
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	359937	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1387984	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	782533	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.895	188	1260004	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	1063395	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	834103	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.190	74	117734	2.06	ng/uL		87
3) Pyridine	3.196	79	207958	2.02	ng/uL#		78
4) Aniline	6.961	93	315644	1.98	ng/uL		94
5) Benzaldehyde	6.757	105	164036	2.02	ng/uL#		1
6) Acetophenone	8.465	105	281664	2.02	ng/uL		90
7) N-Nitroso-di-n-propyla...	8.500	70	145274	2.05	ng/uL#		73
9) 4-Chloroaniline	10.563	127	239114	2.38	ng/uL#		44
10) Caprolactam	11.286	55	82340	1.86	ng/uL		93
12) 1,1'-Biphenyl	13.151	154	493925	2.09	ng/uL		96
13) 2-Nitroaniline	13.431	138	104446	2.01	ng/uL		98
14) 3-Nitroaniline	14.416	138	90687	2.07	ng/uL#		1
15) 4-Nitroaniline	15.855	138	77778	2.09	ng/uL#		1
17) N-Nitroso-diphenylamine	16.141	169	304210	2.05	ng/uL		98
18) Atrazine	17.476	200	95752	1.98	ng/uL		97
20) Benzidine	20.035	184	218278	1.97	ng/uL		97
21) 3,3'-Dichlorobenzidine	21.503	252	118201	1.86	ng/uL		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 5ab1004.D
Acq On : 4 Oct 2014 19:02
Operator : JLB
Sample : 5ab1004 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 05 12:09:11 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:09:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 5ab1004.D
Acq On : 4 Oct 2014 19:02
Operator : JLB
Sample : 5ab1004 Inst : 339
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 05 12:09:11 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:09:04 2014
Response via : Initial Calibration

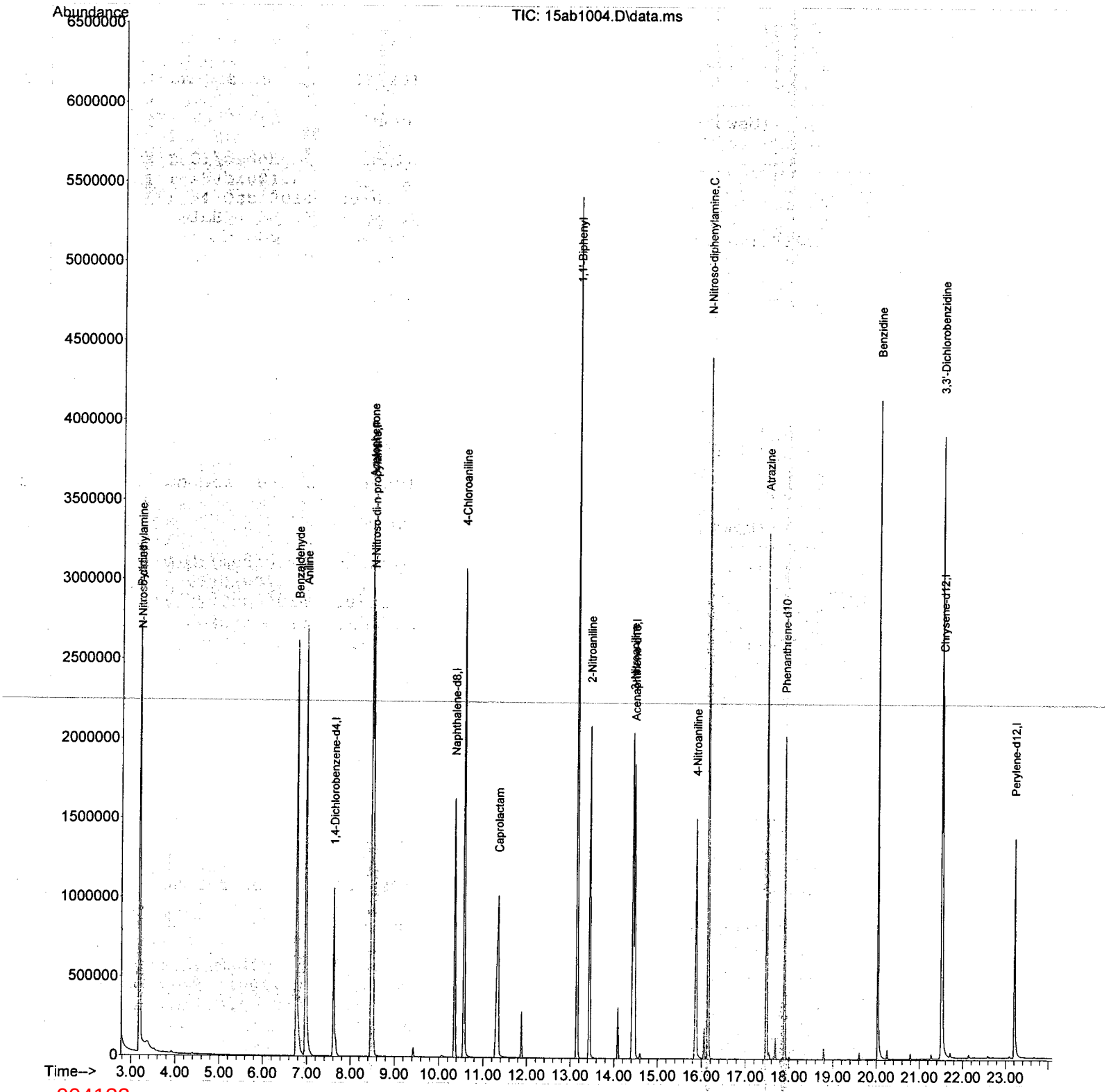
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	346157	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1348495	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	749349	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.895	188	1192761	5.00	ng/uL		0.00
19) Chrysene-d12	21.532	240	1011758	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	806042	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.201	74	286483	5.24	ng/uL		87
3) Pyridine	3.196	79	510472	5.17	ng/uL#		80
4) Aniline	6.967	93	769130	5.04	ng/uL		95
5) Benzaldehyde	6.763	105	400370	5.14	ng/uL#		1
6) Acetophenone	8.465	105	684999	5.11	ng/uL		89
7) N-Nitroso-di-n-propyla...	8.500	70	350102	5.14	ng/uL#		73
9) 4-Chloroaniline	10.563	127	593465	6.03	ng/uL#		44
10) Caprolactam	11.303	55	220466	5.27	ng/uL		93
12) 1,1'-Biphenyl	13.151	154	1168152	5.17	ng/uL		96
13) 2-Nitroaniline	13.431	138	271892	5.39	ng/uL		99
14) 3-Nitroaniline	14.416	138	232714	5.47	ng/uL#		1
15) 4-Nitroaniline	15.861	138	210022	5.82	ng/uL#		1
17) N-Nitroso-diphenylamine	16.141	169	725243	5.17	ng/uL		99
18) Atrazine	17.482	200	238958	5.23	ng/uL		97
20) Benzidine	20.035	184	631293	4.88	ng/uL		95
21) 3,3'-Dichlorobenzidine	21.503	252	321678	5.64	ng/uL		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 15ab1004.D
Acq On : 4 Oct 2014 20:01
Operator : JLB
Sample : 15ab1004 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 05 12:09:38 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:09:31 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 15ab1004.D
Acq On : 4 Oct 2014 20:01
Operator : JLB
Sample : 15ab1004 Inst : 339
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 05 12:09:38 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:09:31 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.614	152	345827	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.353	136	1355717	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.468	164	744303	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.895	188	1191954	5.00	ng/uL	0.00
19) Chrysene-d12	21.532	240	960275	5.00	ng/uL	# 0.00
22) Perylene-d12	23.211	264	812420	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.196	74	837720	15.44	ng/uL	84
3) Pyridine	3.184	79	1482068	15.08	ng/uL#	81
4) Aniline	6.973	93	2213447	14.64	ng/uL	95
5) Benzaldehyde	6.769	105	1135807	14.67	ng/uL#	1
6) Acetophenone	8.470	105	1968143	14.77	ng/uL	89
7) N-Nitroso-di-n-propyla...	8.505	70	992362	14.69	ng/uL#	73
9) 4-Chloroaniline	10.569	127	1699453	17.14	ng/uL#	44
10) Caprolactam	11.344	55	670596	16.22	ng/uL	94
12) 1,1'-Biphenyl	13.157	154	3196549	14.26	ng/uL	96
13) 2-Nitroaniline	13.448	138	822642	16.55	ng/uL	99
14) 3-Nitroaniline	14.433	138	692271	16.60	ng/uL#	1
15) 4-Nitroaniline	15.879	138	607398	17.24	ng/uL#	1
17) N-Nitroso-diphenylamine	16.153	169	2041006	14.58	ng/uL	97
18) Atrazine	17.493	200	670003	14.79	ng/uL	97
20) Benzidine	20.035	184	1998446	15.17	ng/uL	96
21) 3,3'-Dichlorobenzidine	21.503	252	937996	17.88	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

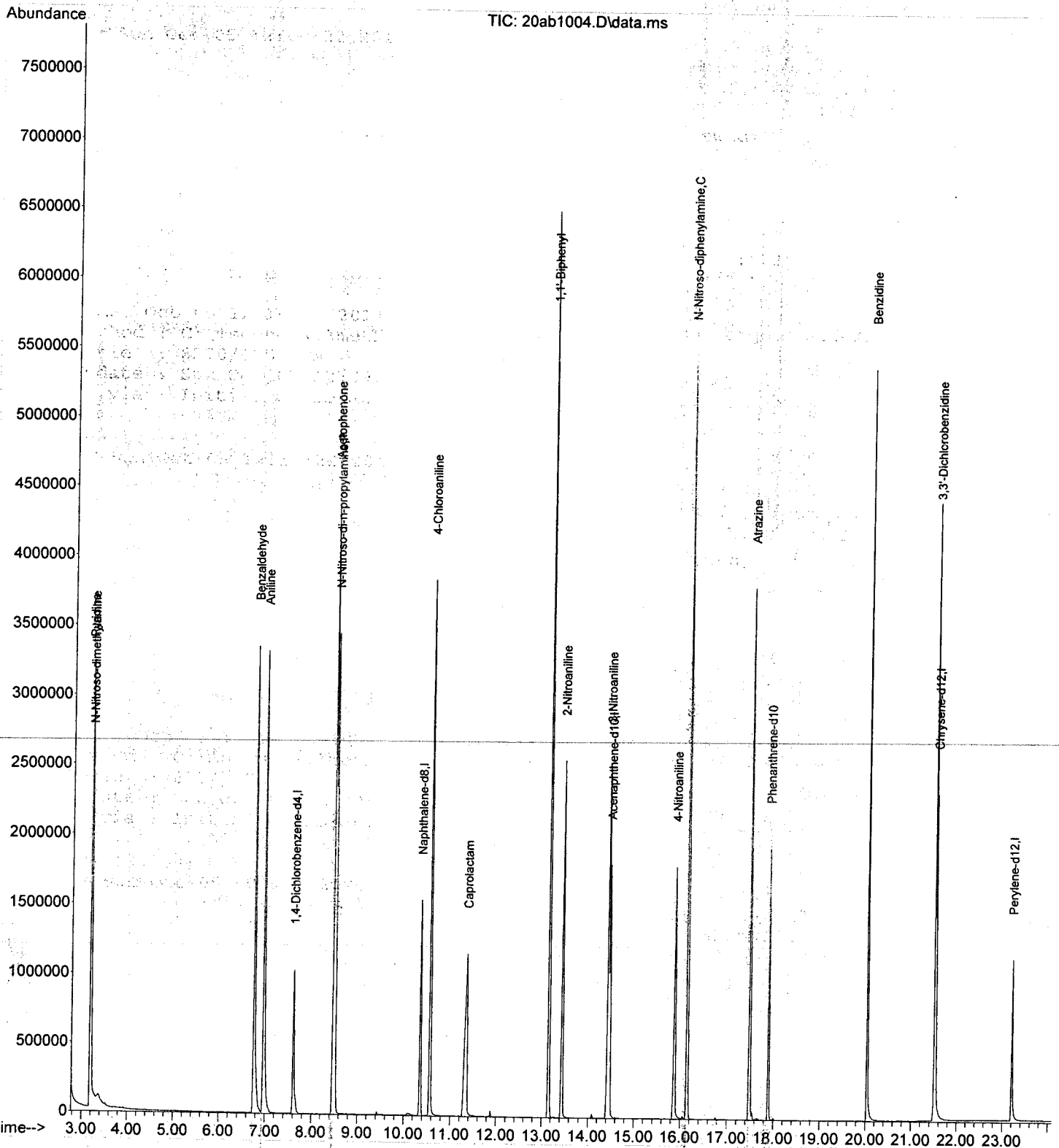
004133

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 20ab1004.D
Acq On : 4 Oct 2014 20:32
Operator : JLB
Sample : 20ab1004
ALS Vial : 17 Sample Multiplier: 1

Inst : 339

Quant Time: Oct 05 12:10:08 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:09:59 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 20ab1004.D
Acq On : 4 Oct 2014 20:32
Operator : JLB
Sample : 20ab1004 Inst : 339
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 05 12:10:08 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:09:59 2014
Response via : Initial Calibration

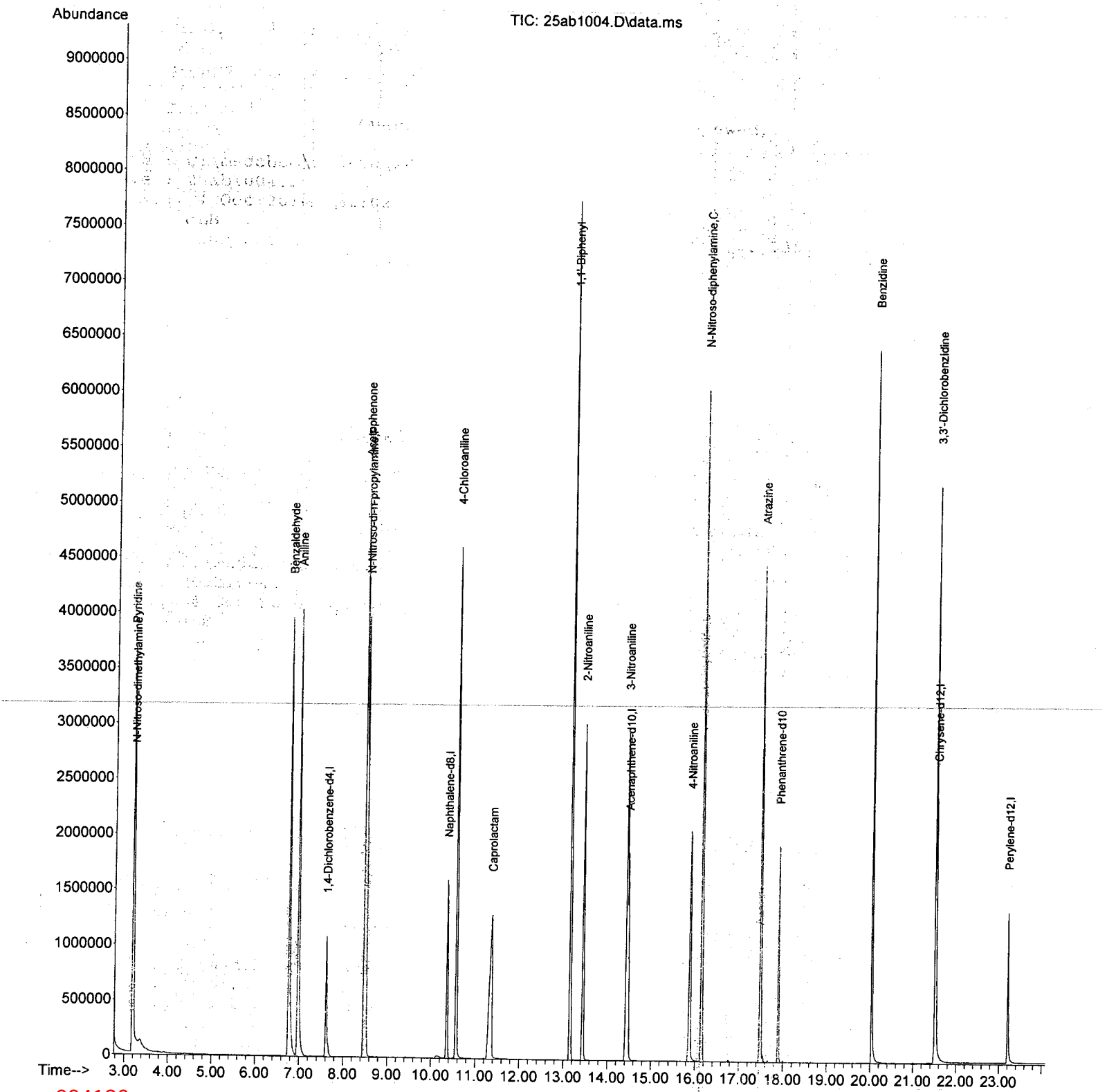
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.614	152	334889	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.353	136	1298877	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.468	164	719437	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.895	188	1122905	5.00	ng/uL	0.00
19) Chrysene-d12	21.533	240	915262	5.00	ng/uL	# 0.00
22) Perylene-d12	23.211	264	688010	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.201	74	1072224	20.26	ng/uL	85
3) Pyridine	3.184	79	1899722	20.07	ng/uL#	80
4) Aniline	6.978	93	2824900	19.41	ng/uL	95
5) Benzaldehyde	6.769	105	1434621	19.22	ng/uL#	1
6) Acetophenone	8.476	105	2498058	19.40	ng/uL	89
7) N-Nitroso-di-n-propyla...	8.511	70	1262620	19.38	ng/uL#	75
9) 4-Chloroaniline	10.575	127	2156289	22.62	ng/uL#	44
10) Caprolactam	11.356	55	853470	21.34	ng/uL	94
12) 1,1'-Biphenyl	13.157	154	4007271	18.51	ng/uL	96
13) 2-Nitroaniline	13.448	138	1044666	21.40	ng/uL	99
14) 3-Nitroaniline	14.439	138	873419	21.29	ng/uL#	1
15) 4-Nitroaniline	15.885	138	755719	21.65	ng/uL#	1
17) N-Nitroso-diphenylamine	16.153	169	2533040	19.27	ng/uL	98
18) Atrazine	17.499	200	840109	19.77	ng/uL	97
20) Benzidine	20.040	184	2662527	20.89	ng/uL	95
21) 3,3'-Dichlorobenzidine	21.509	252	1122730	21.86	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 25ab1004.D
Acq On : 4 Oct 2014 21:02
Operator : JLB
Sample : 25ab1004 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 05 12:10:35 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:10:28 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 25ab1004.D
Acq On : 4 Oct 2014 21:02
Operator : JLB
Sample : 25ab1004 Inst : 339
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 05 12:10:35 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:10:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	344822	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1333759	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	734473	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.895	188	1160099	5.00	ng/uL		0.00
19) Chrysene-d12	21.532	240	916929	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	799139	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.207	74	1302101	24.02	ng/uL		84
3) Pyridine	3.184	79	2282545	23.54	ng/uL#		80
4) Aniline	6.978	93	3415547	22.98	ng/uL		96
5) Benzaldehyde	6.769	105	1741409	22.85	ng/uL#		1
6) Acetophenone	8.476	105	3005530	22.79	ng/uL		90
7) N-Nitroso-di-n-propyla...	8.517	70	1522614	22.85	ng/uL#		75
9) 4-Chloroaniline	10.575	127	2621747	26.80	ng/uL#		44
10) Caprolactam	11.367	55	1053464	25.43	ng/uL		94
12) 1,1'-Biphenyl	13.163	154	4802023	21.82	ng/uL		96
13) 2-Nitroaniline	13.454	138	1264956	25.00	ng/uL		99
14) 3-Nitroaniline	14.439	138	1066452	25.00	ng/uL#		1
15) 4-Nitroaniline	15.890	138	944275	26.01	ng/uL#		1
17) N-Nitroso-diphenylamine	16.158	169	3072706	22.69	ng/uL		98
18) Atrazine	17.499	200	1030115	23.80	ng/uL		97
20) Benzidine	20.040	184	3189871	24.79	ng/uL		95
21) 3,3'-Dichlorobenzidine	21.509	252	1344985	25.54	ng/uL		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05ab1004.D
Acq On : 4 Oct 2014 17:32
Operator : JLB
Sample : 05ab1004 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 05 12:14:35 2014
Quant Method : C:\msdchem\1\methods\100414abelinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:10:54 2014
Response via : Initial Calibration

8270D linear ✓

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)	
Internal Standards								
1) 1,4-Dichlorobenzene-d4	7.608	152	350745	5.00	ng/uL	#	0.00	
8) Naphthalene-d8	10.353	136	1376323	5.00	ng/uL		0.00	
11) Acenaphthene-d10	14.468	164	769032	5.00	ng/uL		0.00	
16) Phenanthrene-d10	17.896	188	1228572	5.00	ng/uL		0.00	
19) Chrysene-d12	21.527	240	1000837	5.00	ng/uL	#	0.00	
22) Perylene-d12	23.211	264	854154	5.00	ng/uL	#	0.00	
Target Compounds							Qvalue	
2) N-Nitroso-dimethylamine	3.207	74	26398	0.47	ng/uL		88	
3) Pyridine	3.213	79	44246	0.45	ng/uL#		48	
4) Aniline	6.967	93	78196	0.52	ng/uL		93	
5) Benzaldehyde	6.763	105	39509	0.51	ng/uL#		1	
6) Acetophenone	8.465	105	70946	0.53	ng/uL		91	
7) N-Nitroso-di-n-propyla...	8.500	70	34941	0.52	ng/uL#		71	
9) 4-Chloroaniline	10.563	127	58943m	0.54	ng/uL			108%
10) Caprolactam	11.274	55	16946	0.48	ng/uL#		86	96%
12) 1,1'-Biphenyl	13.151	154	129480	0.56	ng/uL		96	
13) 2-Nitroaniline	13.431	138	21494	0.40	ng/uL		95	80%
14) 3-Nitroaniline	14.416	138	19512	0.38	ng/uL#		1	76%
15) 4-Nitroaniline	15.855	138	15491	0.35	ng/uL#		1	70%
17) N-Nitroso-diphenylamine	16.141	169	75415	0.53	ng/uL		99	
18) Atrazine	17.470	200	21510	0.25	ng/uL		100	
20) Benzidine	20.035	184	44105	0.72	ng/uL		97	72%
21) 3,3'-Dichlorobenzidine	21.503	252	21976	0.38	ng/uL		99	

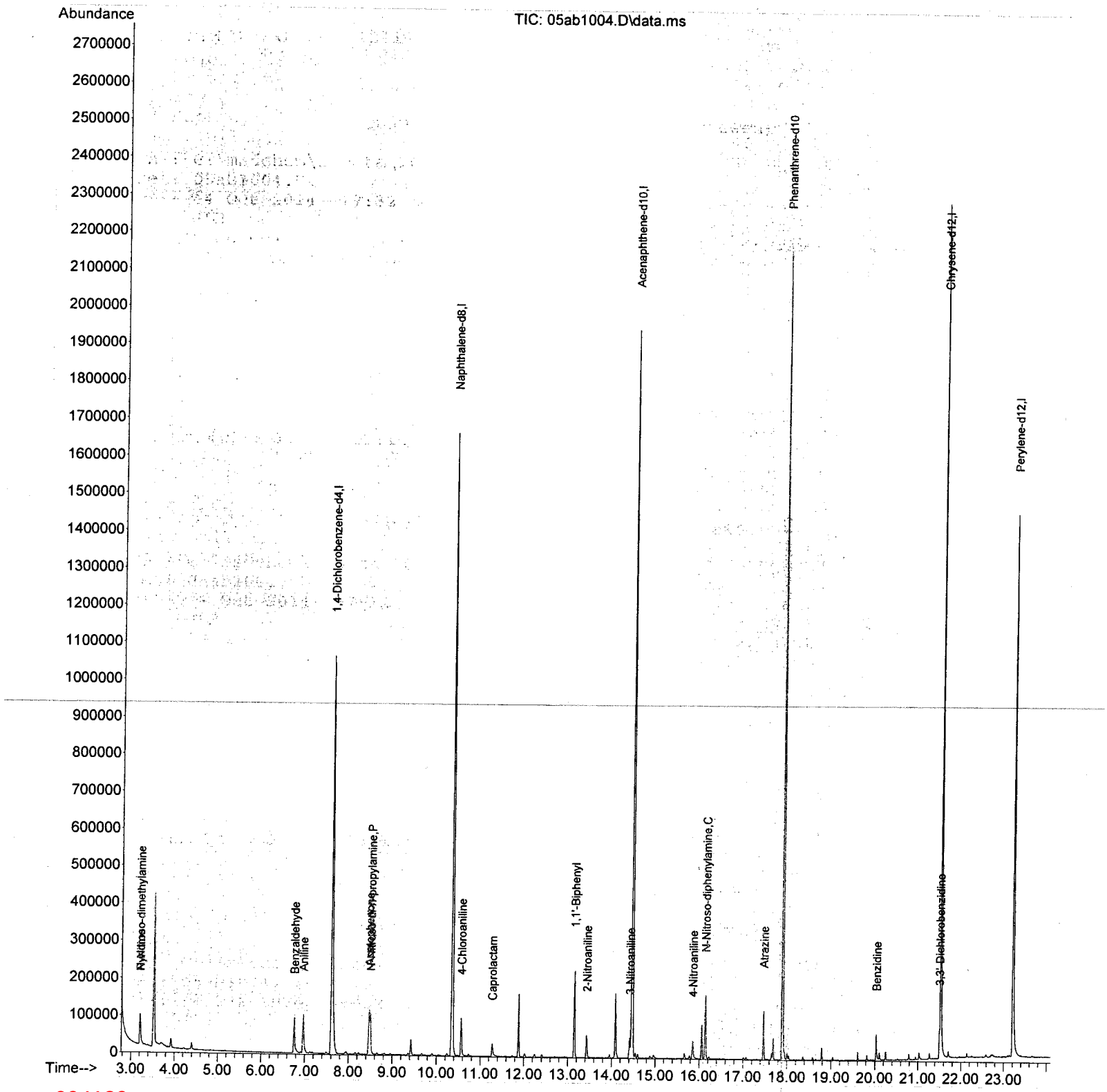
(#) = qualifier out of range (m) = manual integration (+) = signals summed

004138

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05ab1004.D
Acq On : 4 Oct 2014 17:32
Operator : JLB
Sample : 05ab1004 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 05 12:14:35 2014
Quant Method : C:\msdchem\1\methods\100414abelinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:10:54 2014
Response via : Initial Calibration

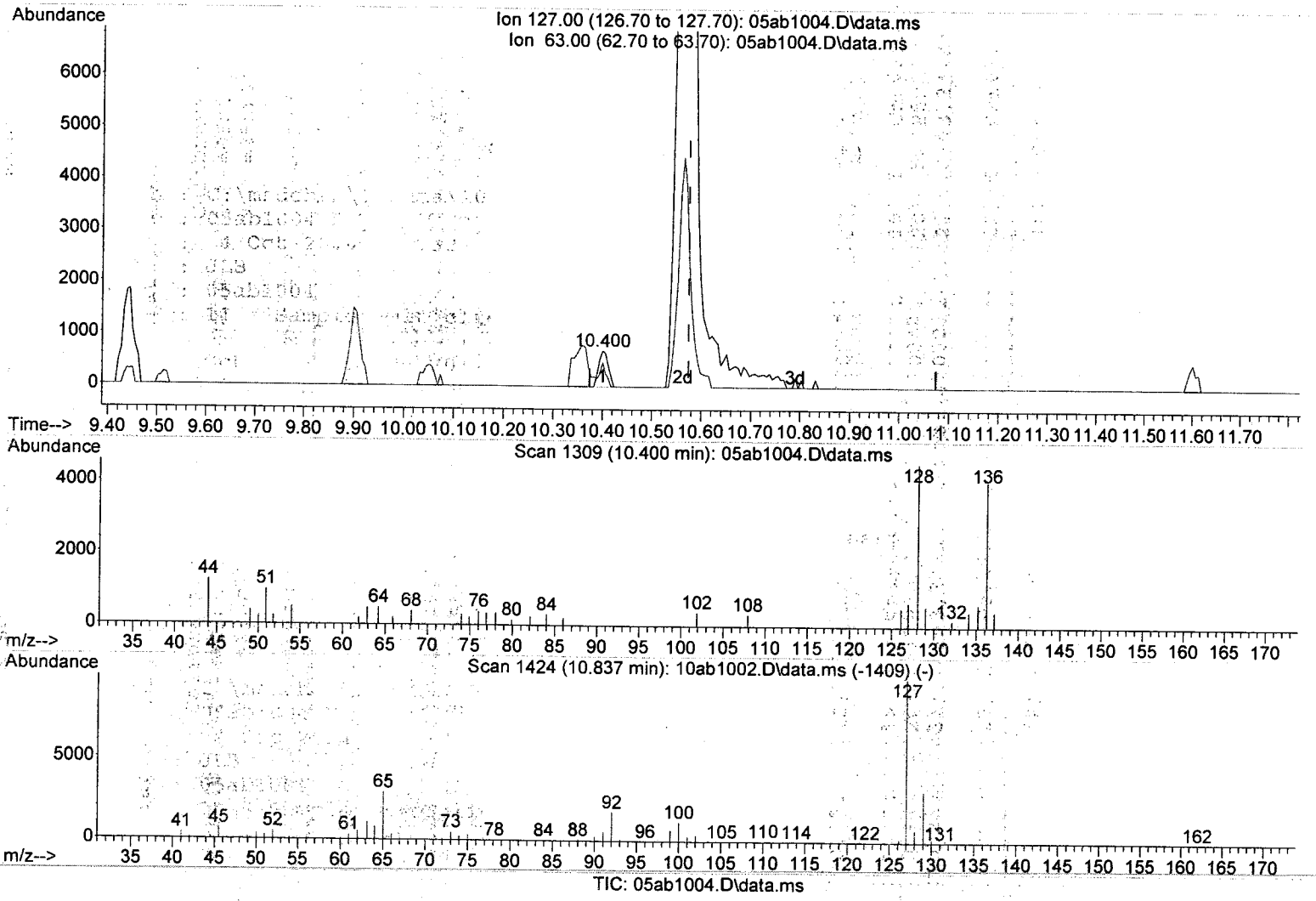


004129

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05ab1004.D
Acq On : 4 Oct 2014 17:32
Operator : JLB
Sample : 05ab1004 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 05 12:14:06 2014
Quant Method : C:\msdchem\1\methods\100414abelinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:10:54 2014
Response via : Initial Calibration



TIC: 05ab1004.D\data.ms

(9) 4-Chloroaniline

10.400min (-0.174) 0.02 ng/uL

response 852

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	46.24
0.00	0.00	0.00
0.00	0.00	0.00

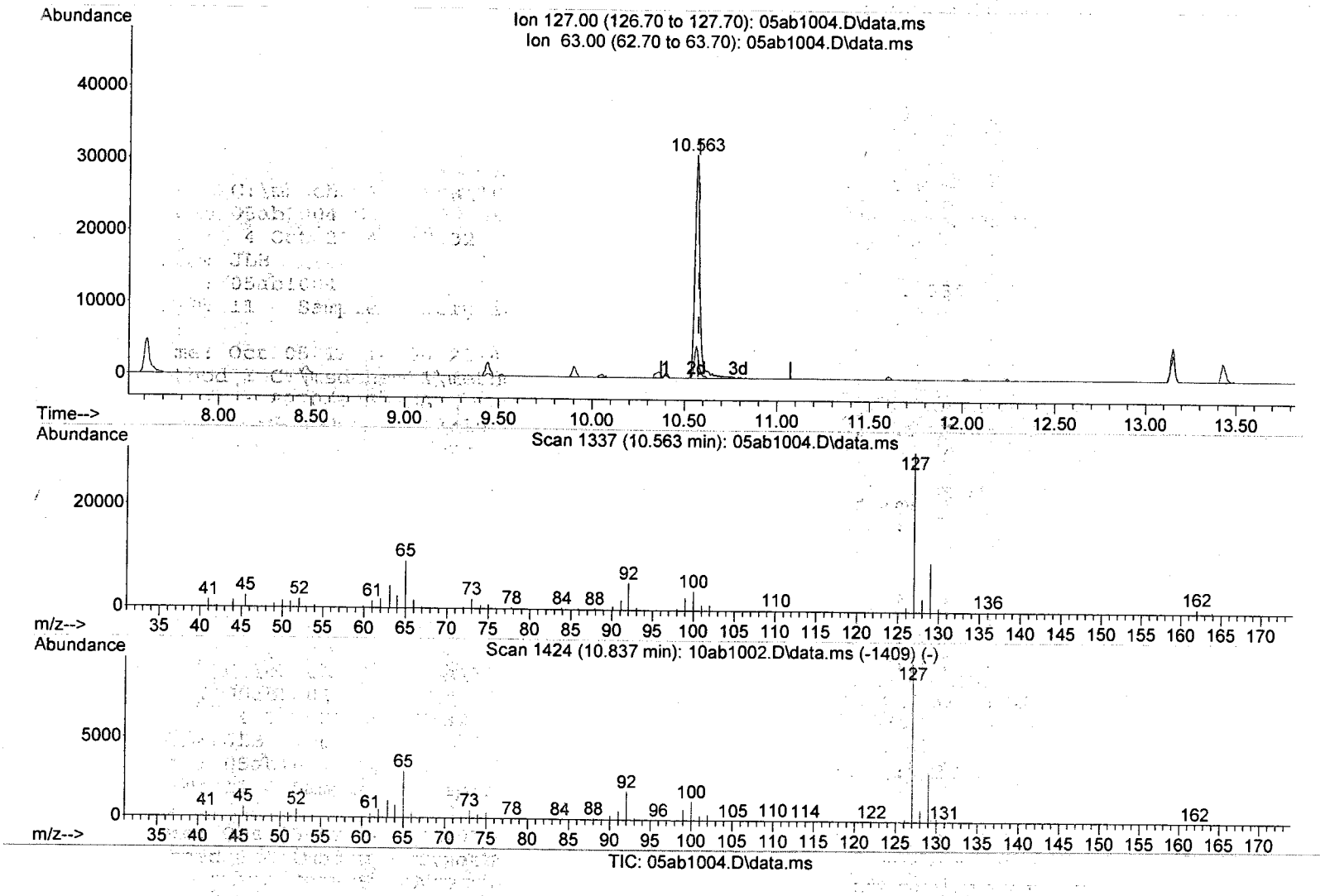
Dwr
10-07-14

JLB 10/6/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : 05ab1004.D
Acq On : 4 Oct 2014 17:32
Operator : JLB
Sample : 05ab1004 Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 05 12:14:06 2014
Quant Method : C:\msdchem\1\methods\100414abelinear.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:10:54 2014
Response via : Initial Calibration



TIC: 05ab1004.D\data.ms

(9) 4-Chloroaniline

10.563min (-0.011) 0.54 ng/uL m

response 58943

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	0.67#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/6/14

Reviewed By: DV Date: 10-07-14

004141

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J06018-SCV1
Sequence: 4J06018

SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4091399
Calibration: 4J06006

Analyte	Expected (ug/mL)	Found (ug/mL)	% Rec.	QC Limit
Acenaphthene	10.0	9.66	97	80-120
Acenaphthylene	10.0	9.53	95	80-120
Anthracene	10.0	9.93	99	80-120
Benzo(a)anthracene	10.0	9.83	98	80-120
Benzo(a)pyrene	10.0	10.3	103	80-120
Benzo(b)fluoranthene	10.0	9.75	98	80-120
Benzo(k)fluoranthene	10.0	9.63	96	80-120
Benzo(g,h,i)perylene	10.0	9.74	97	80-120
Benzoic Acid	10.0	10.1	101	80-120
Benzyl Alcohol	10.0	9.65	97	80-120
4-Bromophenyl Phenyl Ether	10.0	9.75	98	80-120
Butyl Benzyl Phthalate	10.0	10.9	109	80-120
Carbazole	10.0	10.0	100	80-120
4-Chloro-3-methylphenol	10.0	9.76	98	80-120
Bis(2-chloroethoxy)methane	10.0	9.31	93	80-120
Bis(2-chloroethyl) Ether	10.0	9.59	96	80-120
Bis(2-chloroisopropyl) Ether	10.0	8.91	89	80-120
2-Chloronaphthalene	10.0	9.71	97	80-120
2-Chlorophenol	10.0	9.48	95	80-120
4-Chlorophenyl Phenyl Ether	10.0	9.38	94	80-120
Chrysene	10.0	10.1	101	80-120
Dibenz(a,h)anthracene	10.0	10.2	102	80-120
Dibenzofuran	10.0	9.55	96	80-120
Di-n-butyl Phthalate	10.0	9.67	97	80-120
1,4-Dichlorobenzene	10.0	9.65	97	80-120
1,2-Dichlorobenzene	10.0	9.98	100	80-120
1,3-Dichlorobenzene	10.0	9.62	96	80-120

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Laboratory ID: 4J06018-SCV1
Sequence: 4J06018

SDG: 50094-12
Project: Gabreski ANGB, NY
Standard ID: 4091399
Calibration: 4J06006

Analyte	Expected (ug/mL)	Found (ug/mL)	% Rec.	QC Limit
2,4-Dichlorophenol	10.0	9.99	100	80-120
Diethyl Phthalate	10.0	9.14	91	80-120
2,4-Dimethylphenol	10.0	9.45	95	80-120
Dimethyl Phthalate	10.0	9.38	94	80-120
4,6-Dinitro-2-methylphenol	10.0	9.21	92	80-120
2,4-Dinitrophenol	10.0	10.6	106	80-120
2,6-Dinitrotoluene	10.0	10.1	101	80-120
2,4-Dinitrotoluene	10.0	9.94	99	80-120
Di-n-octyl Phthalate	10.0	9.53	95	80-120
1,2-Diphenylhydrazine	10.0	9.87	99	80-120
Bis(2-ethylhexyl) Phthalate	10.0	10.3	103	80-120
Fluoranthene	10.0	9.64	96	80-120
Fluorene	10.0	9.54	95	80-120
Hexachlorobenzene	10.0	9.98	100	80-120
Hexachlorobutadiene	10.0	9.58	96	80-120
Hexachlorocyclopentadiene	10.0	9.51	95	80-120
Hexachloroethane	10.0	9.50	95	80-120
Indeno(1,2,3-cd)pyrene	10.0	10.2	102	80-120
Isophorone	10.0	8.06	81	80-120
2-Methylnaphthalene	10.0	9.61	96	80-120
3+4-Methylphenol	10.0	9.93	99	80-120
2-Methylphenol	10.0	9.37	94	80-120
Naphthalene	10.0	9.76	98	80-120
Nitrobenzene	10.0	9.44	94	80-120
2-Nitrophenol	10.0	10.5	105	80-120
4-Nitrophenol	10.0	8.46	85	80-120
N-Nitroso-dimethylamine	10.0	8.87	89	80-120

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Laboratory ID: 4J06018-SCV1

Sequence: 4J06018

SDG: 50094-12

Project: Gabreski ANGB, NY

Standard ID: 4091399

Calibration: 4J06006

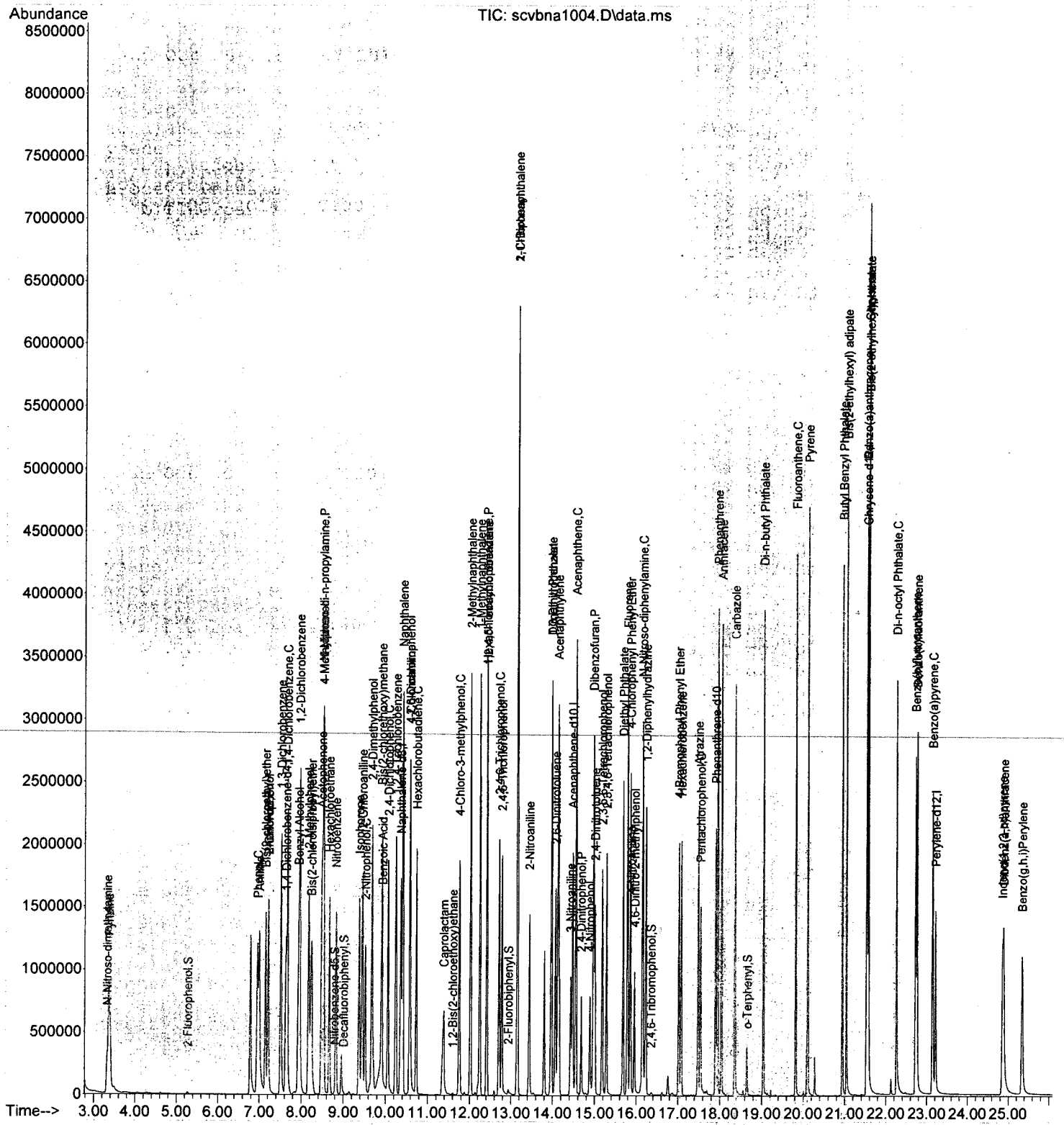
Analyte	Expected (ug/mL)	Found (ug/mL)	% Rec.	QC Limit
N-Nitroso-diphenylamine	10.0	9.91	99	80-120
N-Nitroso-di-n-propylamine	10.0	9.97	100	80-120
Pentachlorophenol	10.0	10.3	103	80-120
Phenanthrene	10.0	9.53	95	80-120
Phenol	10.0	9.81	98	80-120
Pyrene	10.0	9.67	97	80-120
1,2,4-Trichlorobenzene	10.0	9.65	97	80-120
2,4,5-Trichlorophenol	10.0	10.1	101	80-120
2,4,6-Trichlorophenol	10.0	10.1	101	80-120

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : scvbna1004.D
Acq On : 4 Oct 2014 17:00
Operator : JLB
Sample : scvbna1004 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 05 11:50:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : scvbna1004.D
Acq On : 4 Oct 2014 17:00
Operator : JLB
Sample : scvbna1004 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 05 11:50:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.631	152	378868	5.00	ng/uL	# 0.01
20) Naphthalene-d8	10.359	136	1461404	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.474	164	824962	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.901	188	1242102	5.00	ng/uL	0.00
81) Chrysene-d12	21.533	240	999938	5.00	ng/uL	#-0.01
89) Perylene-d12	23.211	264	821326	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.271	112	10339	0.12	ng/uL	0.04
6) Phenol-d6	7.212	99	48182	0.43	ng/uL	0.26
21) Nitrobenzene-d5	8.785	82	9456	0.10	ng/uL	-0.03
23) Decafluorobiphenyl	9.007	334	6855	0.10	ng/uL	-0.02
47) 2-Fluorobiphenyl	12.935	172	20136	0.12	ng/uL	-0.03
70) 2,4,6-Tribromophenol	16.357	330	3291	0.17	ng/uL	-0.03
78) o-Terphenyl	18.659	230	14341	0.13	ng/uL	-0.02
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.324	74	496267	8.87	ng/uL	83
3) Pyridine	3.365	79	958698	10.00	ng/uL#	82
5) Aniline	6.996	93	1264636	~~13.58~~	ng/uL	95 hi
7) Phenol	6.955	94	1248697	9.81	ng/uL	84
8) Bis(2-chloroethyl)ether	7.142	93	1028539	9.59	ng/uL	89
9) 2-Chlorophenol	7.212	128	958285	9.48	ng/uL#	32
10) 1,3-Dichlorobenzene	7.509	146	1053200	9.62	ng/uL	97
11) 1,4-Dichlorobenzene	7.661	146	1061591	9.65	ng/uL	95
12) 1,2-Dichlorobenzene	7.958	146	1025195	9.98	ng/uL	95
13) Bis(2-chloroisipropyl)...	8.238	45	1519434	8.91	ng/uL	98
14) Benzyl Alcohol	7.934	108	628785	9.65	ng/uL	87
15) 2-Methylphenol	8.173	108	847379	9.37	ng/uL	96
16) Acetophenone	8.477	105	1299593	9.52	ng/uL	89
17) Hexachloroethane	8.657	119	388153	9.50	ng/uL	98
18) 4-Methylphenol	8.517	108	895444	9.93	ng/uL#	50
19) N-Nitroso-di-n-propyla...	8.511	70	681017	9.97	ng/uL#	76
22) Nitrobenzene	8.820	77	963917	9.44	ng/uL#	64
24) Isophorone	9.374	82	1513080	8.06	ng/uL	98
25) 2-Chloroaniline	9.450	127	1191615	9.96	ng/uL	98
26) 2-Nitrophenol	9.520	139	508913	10.48	ng/uL#	85
27) 2,4-Dimethylphenol	9.677	107	890288	9.45	ng/uL#	51
28) Bis(2-chlorethoxy)methane	9.910	93	1061265	9.31	ng/uL	96
29) 2,4-Dichlorophenol	10.062	162	741035	9.99	ng/uL	100
30) Benzoic Acid	9.922	105	611304	10.08	ng/uL	97
31) 1,2,4-Trichlorobenzene	10.248	180	815860	9.65	ng/uL	98
32) Naphthalene	10.406	128	2846250	9.76	ng/uL	99
33) 4-Chloroaniline	10.581	127	825438	11.56	ng/uL#	75
34) 2,6-Dichlorophenol	10.575	162	735664	9.98	ng/uL	98
35) Hexachlorobutadiene	10.738	225	441900	9.58	ng/uL	99
36) Caprolactam	11.385	55	411127	9.77	ng/uL	95
37) 1,2-Bis(2-chloroethoxy...	11.601	63	6598	~~0.07~~	ng/uL#	100 ND
38) 4-Chloro-3-methylphenol	11.758	107	798387	9.76	ng/uL	92
39) 2-Methylnaphthalene	12.026	142	1785649	9.61	ng/uL	99
40) 1-Methylnaphthalene	12.248	142	1749567	10.35	ng/uL	99
41) 1,3-Dinitrobenzene	13.973	168	292782	9.68	ng/uL	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : scvbna1004.D
Acq On : 4 Oct 2014 17:00
Operator : JLB
Sample : scvbna1004 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 05 11:50:57 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update: Sun Oct 05 11:48:14 2014
Response via: Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) 1,2,4,5-Tetrachloroben...	12.422	216	709553	9.71	ng/uL	97	
44) Hexachlorocyclopentadiene	12.411	237	385934	9.51	ng/uL	98	
45) 2,4,6-Trichlorophenol	12.714	196	475423	10.06	ng/uL	95	
46) 2,4,5-Trichlorophenol	12.784	196	500765	10.13	ng/uL	94	
48) 2-Chloronaphthalene	13.157	162	1551193	9.71	ng/uL	93	
49) 1,1'-Biphenyl	13.157	154	2046239	9.41	ng/uL	97	
50) 2-Nitroaniline	13.443	138	564045	10.45	ng/uL	99	
51) Acenaphthylene	14.130	152	2519415	9.53	ng/uL#	86	
52) 2,6-Dinitrotoluene	14.072	165	431464	10.13	ng/uL	94	
53) Dimethyl Phthalate	13.973	163	1673165	9.38	ng/uL	100	
54) 3-Nitroaniline	14.428	138	327965	8.77	ng/uL#	1	
55) Acenaphthene	14.556	153	1681839	9.66	ng/uL	98	
56) 2,4-Dinitrophenol	14.678	184	201078	10.59	ng/uL	97	
57) Dibenzofuran	14.975	168	2158218	9.55	ng/uL	99	
58) 4-Nitrophenol	14.888	65	284561	8.46	ng/uL	100	
59) 2,4-Dinitrotoluene	15.010	165	531103	9.94	ng/uL#	84	
60) 2,3,5,6-Tetrachlorophenol	15.179	232	410033	10.08	ng/uL	97	
61) 2,3,4,6-Tetrachlorophenol	15.284	232	413205	10.09	ng/uL	97	
62) Fluorene	15.791	166	1742765	9.54	ng/uL	97	
63) Diethyl Phthalate	15.681	149	1536155	9.14	ng/uL	96	
64) 4-Chlorophenyl Phenyl ...	15.861	204	791249	9.38	ng/uL	92	
65) 4-Nitroaniline	15.873	138	75380	~~2.79~~	ng/uL#	1	low
67) 4,6-Dinitro-2-methylph...	15.960	198	265242	9.21	ng/uL	97	
68) N-Nitroso-diphenylamine	16.153	169	1360797	9.91	ng/uL	98	
69) 1,2-Diphenylhydrazine	16.234	182	491460	9.87	ng/uL	81	
71) 4-Bromophenyl Phenyl E...	17.021	248	409036	9.75	ng/uL	98	
72) Hexachlorobenzene	17.080	284	457954	9.98	ng/uL	97	
73) Atrazine	17.488	200	407770	9.85	ng/uL	98	
74) Pentachlorophenol	17.540	266	277522	10.32	ng/uL	97	
75) Phenanthrene	17.948	178	2292453	9.53	ng/uL	99	
76) Anthracene	18.047	178	2305144	9.93	ng/uL	99	
77) Carbazole	18.368	167	2011929	10.05	ng/uL	99	
79) Di-n-butyl Phthalate	19.044	149	2311876	9.67	ng/uL	99	
80) Fluoroanthene	19.819	202	2212865	9.64	ng/uL	93	
82) Pyrene	20.110	202	2294512	9.57	ng/uL	100	
83) Butyl Benzyl Phthalate	20.944	149	1018686	10.88	ng/uL	88	
84) Bis(2-ethylhexyl) adipate	21.043	129	871509	9.45	ng/uL#	100	
85) Benzo(a)anthracene	21.527	228	1791623	9.83	ng/uL	99	
86) Chrysene	21.562	228	1792528	10.07	ng/uL#	90	
87) Bis(2-ethylhexyl)phtha...	21.573	149	1235156	10.30	ng/uL	92	
88) Di-n-octyl Phthalate	22.255	149	2023880	9.53	ng/uL	100	
90) Benzo(b)fluoroanthene	22.722	252	1454208	9.75	ng/uL	98	
91) Benzo(k)fluoranthene	22.757	252	1623225	9.64	ng/uL	99	
92) Benzo(a)pyrene	23.141	252	1451299	10.31	ng/uL	99	
93) Indeno(1,2,3-cd)pyrene	24.855	276	1237306	10.16	ng/uL	90	
94) Dibdenz(a,h)anthracene	24.884	278	1017225	10.23	ng/uL#	92	
95) Benzo(g,h,i)Perylene	25.345	276	1021505	9.74	ng/uL	96	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Laboratory ID: 4J06018-SCV2

Sequence: 4J06018

SDG: 50094-12

Project: Gabreski ANGB, NY

Standard ID: 4090530

Calibration: 4J06006

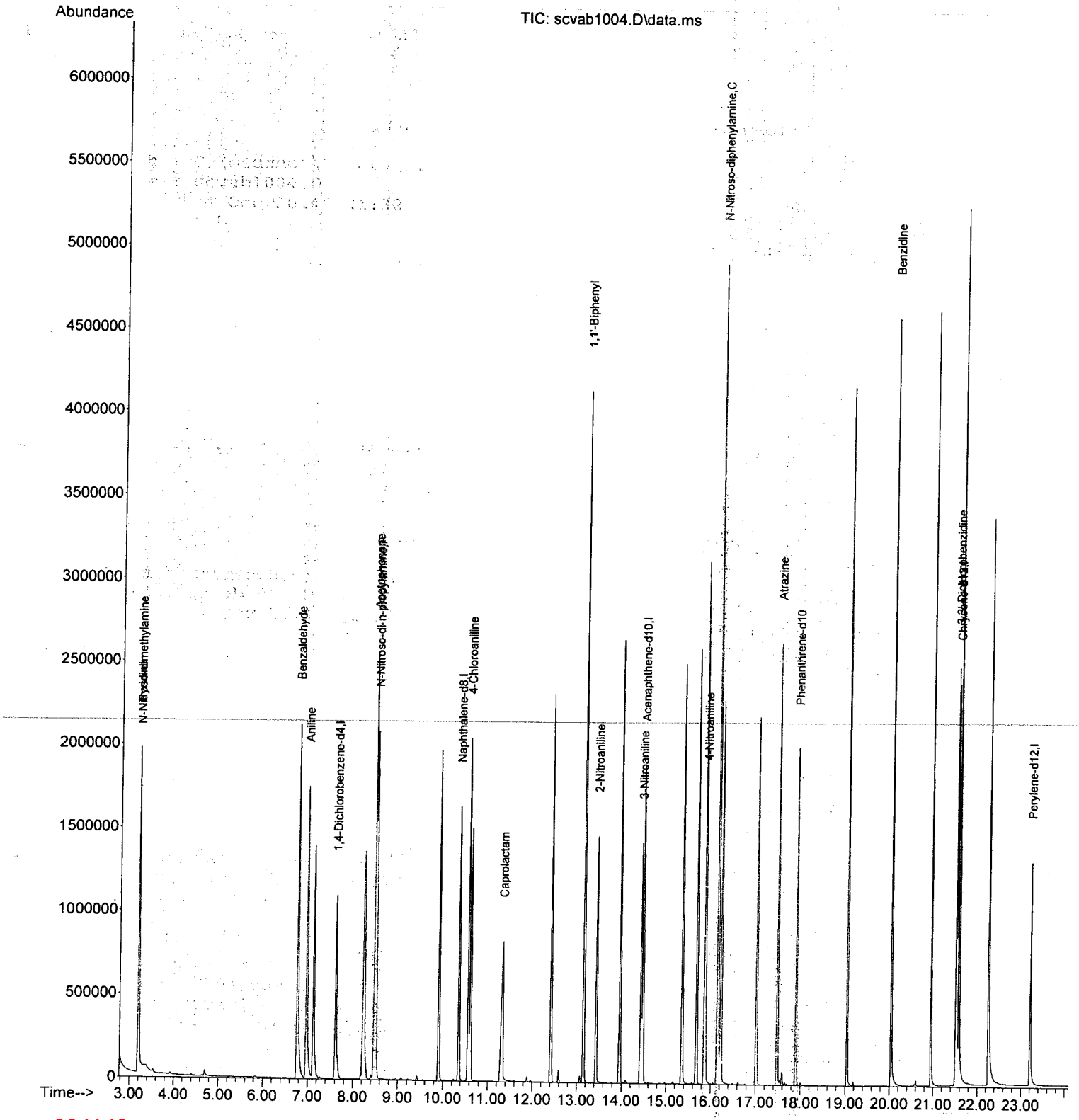
Analyte	Expected (ug/mL)	Found (ug/mL)	% Rec.	QC Limit
4-Chloroaniline	10.0	10.1	101	80-120
3,3´-Dichlorobenzidine	10.0	10.8	108	80-120
4-Nitroaniline	10.0	10.1	101	80-120
2-Nitroaniline	10.0	10.1	101	80-120
3-Nitroaniline	10.0	10.0	100	80-120

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : scvab1004.D
Acq On : 4 Oct 2014 21:32
Operator : JLB
Sample : scvab1004 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 05 12:12:34 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:10:54 2014
Response via : Initial Calibration



001149

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100414a_339\
Data File : scvab1004.D
Acq On : 4 Oct 2014 21:32
Operator : JLB
Sample : scvab1004 Inst : 339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 05 12:12:34 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:10:54 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	355753	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1378889	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	765806	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.901	188	1203173	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	983986	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	787360	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.202	74	596868	10.59	ng/uL		87
3) Pyridine	3.196	79	989736	9.97	ng/uL#		78
4) Aniline	6.973	93	1455015	9.56	ng/uL		96
5) Benzaldehyde	6.763	105	905957	11.60	ng/uL#		1
6) Acetophenone	8.471	105	1471866	10.87	ng/uL		90
7) N-Nitroso-di-n-propyla..	8.506	70	718507	10.50	ng/uL#		72
9) 4-Chloroaniline	10.569	127	1127462	10.07	ng/uL#		44
10) Caprolactam	11.327	55	492439	11.13	ng/uL		94
12) 1,1'-Biphenyl	13.157	154	2417167	10.57	ng/uL		96
13) 2-Nitroaniline	13.443	138	547640	10.09	ng/uL		99
14) 3-Nitroaniline	14.428	138	458427	10.01	ng/uL#		1
15) 4-Nitroaniline	15.879	138	404681	10.08	ng/uL#		1
17) N-Nitroso-diphenylamine	16.159	169	2392633	17.08	ng/uL		97
18) Atrazine	17.488	200	494202	11.11	ng/uL	#	98
20) Benzidine	20.041	184	2322725	16.82	ng/uL		95
21) 3,3'-Dichlorobenzidine	21.504	252	609431	10.78	ng/uL		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J06022-CCV1
Injection Date: 10/05/14
Calibration Date: 10/04/14 11:28
Sequence: 4J06022

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1005.D
Injection Time: 11:55
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.66	1.055312	1.019509	0.9	-3.4	20
Acenaphthylene	A	10.0	9.73	1.602723	1.559018	0.9	-2.7	20
Anthracene	A	10.0	9.89	0.9344171	0.924058	0.7	-1.1	20
Benzo(a)anthracene	A	10.0	10.0	0.9113378	0.912122	0.8	0.09	20
Benzo(a)pyrene	A	10.0	10.6	0.8566272	0.903631	0.7	5.5	20
Benzo(b)fluoranthene	A	10.0	9.96	0.9083445	0.9045376	0.7	-0.4	20
Benzo(k)fluoranthene	A	10.0	10.1	1.026063	1.03322	0.7	0.7	20
Benzo(g,h,i)perylene	A	10.0	9.24	0.6387196	0.5903756	0.5	-7.6	20
Benzoic Acid	L	20.0	18.3	0.2268224	0.2169197	0.01	-8.6	20
Benzyl Alcohol	A	10.0	9.90	0.859675	0.85107	0.01	-1.0	20
4-Bromophenyl Phenyl Ether	A	10.0	9.80	0.1689127	0.1656123	0.1	-2.0	20
Butyl Benzyl Phthalate	A	10.0	10.3	0.4682775	0.4809318	0.01	2.7	20
Carbazole	A	10.0	9.65	0.8059797	0.7779805	0.01	-3.5	20
4-Chloro-3-methylphenol	A	10.0	9.94	0.2797675	0.2781995	0.2	-0.6	20
Bis(2-chloroethoxy)methane	A	10.0	9.62	0.3898008	0.3748583	0.3	-3.8	20
Bis(2-chloroethyl) Ether	A	10.0	9.74	1.415296	1.378999	0.7	-2.6	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.61	2.250618	2.163509	0.01	-3.9	20
2-Chloronaphthalene	A	10.0	9.53	0.9680318	0.922707	0.8	-4.7	20
2-Chlorophenol	A	10.0	9.83	1.333337	1.310897	0.8	-1.7	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.55	0.5112369	0.4883038	0.4	-4.5	20
Chrysene	A	10.0	9.65	0.8904179	0.8589296	0.7	-3.5	20
Dibenz(a,h)anthracene	A	10.0	9.56	0.6055826	0.578791	0.4	-4.4	20
Dibenzofuran	A	10.0	9.60	1.36941	1.314736	0.8	-4.0	20
Di-n-butyl Phthalate	A	10.0	10.0	0.9619959	0.9625934	0.01	0.06	20
1,4-Dichlorobenzene	A	10.0	9.71	1.451559	1.409415	0.01	-2.9	20
1,2-Dichlorobenzene	A	10.0	9.72	1.355521	1.317737	0.01	-2.8	20
1,3-Dichlorobenzene	A	10.0	9.72	1.444903	1.404396	0.01	-2.8	20
2,4-Dichlorophenol	A	10.0	9.98	0.2539136	0.2533258	0.2	-0.2	20
Diethyl Phthalate	A	10.0	9.63	1.019087	0.9809701	0.01	-3.7	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J06022-CCV1
Injection Date: 10/05/14
Calibration Date: 10/04/14 11:28
Sequence: 4J06022

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1005.D
Injection Time: 11:55
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.87	0.3221636	0.3181358	0.2	-1.3	20
Dimethyl Phthalate	A	10.0	9.74	1.081514	1.053516	0.01	-2.6	20
4,6-Dinitro-2-methylphenol	L	10.0	9.18	9.711342E-02	0.1063796	0.01	-8.2	20
2,4-Dinitrophenol	L	20.0	18.0	0.1272305	0.1188021	0.01	-10.2	20
2,6-Dinitrotoluene	A	10.0	10.2	0.2581995	0.2625865	0.2	1.7	20
2,4-Dinitrotoluene	A	10.0	10.3	0.3239502	0.3343184	0.2	3.2	20
Di-n-octyl Phthalate	L	10.0	10.0	0.9447342	1.06527	0.01	0.2	20
1,2-Diphenylhydrazine	A	10.0	9.70	0.2003691	0.1943459	0.01	-3.0	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.5	0.5996469	0.6272841	0.01	4.6	20
Fluoranthene	A	10.0	9.54	0.9237645	0.8814554	0.6	-4.6	20
Fluorene	A	10.0	9.69	1.107485	1.073559	0.9	-3.1	20
Hexachlorobenzene	A	10.0	9.77	0.1846747	0.1804825	0.1	-2.3	20
Hexachlorobutadiene	A	10.0	9.69	0.1578851	0.1530509	0.01	-3.1	20
Hexachloroethane	A	10.0	9.71	0.5390411	0.5236266	0.3	-2.9	20
Indeno(1,2,3-cd)pyrene	A	10.0	9.45	0.7411104	0.7000576	0.5	-5.5	20
Isophorone	A	10.0	9.85	0.6426017	0.632735	0.4	-1.5	20
2-Methylnaphthalene	A	10.0	9.55	0.6357622	0.60711	0.4	-4.5	20
3+4-Methylphenol	A	10.0	9.70	1.190003	1.154299	0.6	-3.0	20
2-Methylphenol	A	10.0	9.65	1.194064	1.152483	0.7	-3.5	20
Naphthalene	A	10.0	9.64	0.9981756	0.9627269	0.4	-3.6	20
Nitrobenzene	A	10.0	9.75	0.349211	0.3405423	0.2	-2.5	20
2-Nitrophenol	A	10.0	10.1	0.1660685	0.1673975	0.1	0.8	20
4-Nitrophenol	A	20.0	19.5	0.2039171	0.1984568	0.01	-2.7	20
N-Nitroso-dimethylamine	A	10.0	10.2	0.7385079	0.7515271	0.01	1.8	20
N-Nitroso-diphenylamine	A	10.0	9.68	0.5529454	0.5354006	0.01	-3.2	20
N-Nitroso-di-n-propylamine	A	10.0	9.80	0.9015026	0.8838975	0.01	-2.0	20
Pentachlorophenol	A	10.0	11.3	0.108286	0.1222035	0.05	12.9	20
Phenanthrene	A	10.0	9.73	0.9682669	0.9419275	0.7	-2.7	20
Phenol	A	10.0	9.91	1.680502	1.665479	0.8	-0.9	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J06022-CCV1
Injection Date: 10/05/14
Calibration Date: 10/04/14 11:28
Sequence: 4J06022

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1005.D
Injection Time: 11:55
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	9.72	1.186095	1.152516	0.6	-2.8	20
1,2,4-Trichlorobenzene	A	10.0	9.58	0.2893276	0.2771304	0.01	-4.2	20
2,4,5-Trichlorophenol	A	10.0	10.0	0.299758	0.3012606	0.2	0.5	20
2,4,6-Trichlorophenol	A	10.0	10.1	0.2865524	0.2883719	0.2	0.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J06027-CCV1
Injection Date: 10/05/14
Calibration Date: 10/04/14 11:28
Sequence: 4J06027

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1005.D
Injection Time: 11:55
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.66	1.055312	1.019509	0.9	-3.4	20
Acenaphthylene	A	10.0	9.73	1.602723	1.559018	0.9	-2.7	20
Anthracene	A	10.0	9.89	0.9344171	0.924058	0.7	-1.1	20
Benzo(a)anthracene	A	10.0	10.0	0.9113378	0.912122	0.8	0.09	20
Benzo(a)pyrene	A	10.0	10.6	0.8566272	0.903631	0.7	5.5	20
Benzo(b)fluoranthene	A	10.0	9.96	0.9083445	0.9045376	0.7	-0.4	20
Benzo(k)fluoranthene	A	10.0	10.1	1.026063	1.03322	0.7	0.7	20
Benzo(g,h,i)perylene	A	10.0	9.24	0.6387196	0.5903756	0.5	-7.6	20
Benzoic Acid	L	20.0	18.3	0.2268224	0.2169197	0.01	-8.6	20
Benzyl Alcohol	A	10.0	9.90	0.859675	0.85107	0.01	-1.0	20
4-Bromophenyl Phenyl Ether	A	10.0	9.80	0.1689127	0.1656123	0.1	-2.0	20
Butyl Benzyl Phthalate	A	10.0	10.3	0.4682775	0.4809318	0.01	2.7	20
Carbazole	A	10.0	9.65	0.8059797	0.7779805	0.01	-3.5	20
4-Chloro-3-methylphenol	A	10.0	9.94	0.2797675	0.2781995	0.2	-0.6	20
Bis(2-chloroethoxy)methane	A	10.0	9.62	0.3898008	0.3748583	0.3	-3.8	20
Bis(2-chloroethyl) Ether	A	10.0	9.74	1.415296	1.378999	0.7	-2.6	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.61	2.250618	2.163509	0.01	-3.9	20
2-Chloronaphthalene	A	10.0	9.53	0.9680318	0.922707	0.8	-4.7	20
2-Chlorophenol	A	10.0	9.83	1.333337	1.310897	0.8	-1.7	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.55	0.5112369	0.4883038	0.4	-4.5	20
Chrysene	A	10.0	9.65	0.8904179	0.8589296	0.7	-3.5	20
Dibenz(a,h)anthracene	A	10.0	9.56	0.6055826	0.578791	0.4	-4.4	20
Dibenzofuran	A	10.0	9.60	1.36941	1.314736	0.8	-4.0	20
Di-n-butyl Phthalate	A	10.0	10.0	0.9619959	0.9625934	0.01	0.06	20
1,4-Dichlorobenzene	A	10.0	9.71	1.451559	1.409415	0.01	-2.9	20
1,2-Dichlorobenzene	A	10.0	9.72	1.355521	1.317737	0.01	-2.8	20
1,3-Dichlorobenzene	A	10.0	9.72	1.444903	1.404396	0.01	-2.8	20
2,4-Dichlorophenol	A	10.0	9.98	0.2539136	0.2533258	0.2	-0.2	20
Diethyl Phthalate	A	10.0	9.63	1.019087	0.9809701	0.01	-3.7	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J06027-CCV1
Lab File ID: 10bna1005.D
Injection Date: 10/05/14
Injection Time: 11:55
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J06027
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.87	0.3221636	0.3181358	0.2	-1.3	20
Dimethyl Phthalate	A	10.0	9.74	1.081514	1.053516	0.01	-2.6	20
4,6-Dinitro-2-methylphenol	L	10.0	9.18	9.711342E-02	0.1063796	0.01	-8.2	20
2,4-Dinitrophenol	L	20.0	18.0	0.1272305	0.1188021	0.01	-10.2	20
2,6-Dinitrotoluene	A	10.0	10.2	0.2581995	0.2625865	0.2	1.7	20
2,4-Dinitrotoluene	A	10.0	10.3	0.3239502	0.3343184	0.2	3.2	20
Di-n-octyl Phthalate	L	10.0	10.0	0.9447342	1.06527	0.01	0.2	20
1,2-Diphenylhydrazine	A	10.0	9.70	0.2003691	0.1943459	0.01	-3.0	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.5	0.5996469	0.6272841	0.01	4.6	20
Fluoranthene	A	10.0	9.54	0.9237645	0.8814554	0.6	-4.6	20
Fluorene	A	10.0	9.69	1.107485	1.073559	0.9	-3.1	20
Hexachlorobenzene	A	10.0	9.77	0.1846747	0.1804825	0.1	-2.3	20
Hexachlorobutadiene	A	10.0	9.69	0.1578851	0.1530509	0.01	-3.1	20
Hexachloroethane	A	10.0	9.71	0.5390411	0.5236266	0.3	-2.9	20
Indeno(1,2,3-cd)pyrene	A	10.0	9.45	0.7411104	0.7000576	0.5	-5.5	20
Isophorone	A	10.0	9.85	0.6426017	0.632735	0.4	-1.5	20
2-Methylnaphthalene	A	10.0	9.55	0.6357622	0.60711	0.4	-4.5	20
3+4-Methylphenol	A	10.0	9.70	1.190003	1.154299	0.6	-3.0	20
2-Methylphenol	A	10.0	9.65	1.194064	1.152483	0.7	-3.5	20
Naphthalene	A	10.0	9.64	0.9981756	0.9627269	0.4	-3.6	20
Nitrobenzene	A	10.0	9.75	0.349211	0.3405423	0.2	-2.5	20
2-Nitrophenol	A	10.0	10.1	0.1660685	0.1673975	0.1	0.8	20
4-Nitrophenol	A	20.0	19.5	0.2039171	0.1984568	0.01	-2.7	20
N-Nitroso-dimethylamine	A	10.0	10.2	0.7385079	0.7515271	0.01	1.8	20
N-Nitroso-diphenylamine	A	10.0	9.68	0.5529454	0.5354006	0.01	-3.2	20
N-Nitroso-di-n-propylamine	A	10.0	9.80	0.9015026	0.8838975	0.01	-2.0	20
Pentachlorophenol	A	10.0	11.3	0.108286	0.1222035	0.05	12.9	20
Phenanthrene	A	10.0	9.73	0.9682669	0.9419275	0.7	-2.7	20
Phenol	A	10.0	9.91	1.680502	1.665479	0.8	-0.9	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J06027-CCV1
Injection Date: 10/05/14
Calibration Date: 10/04/14 11:28
Sequence: 4J06027

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1005.D
Injection Time: 11:55
Calibration: 4J06006
Instrument ID: 339

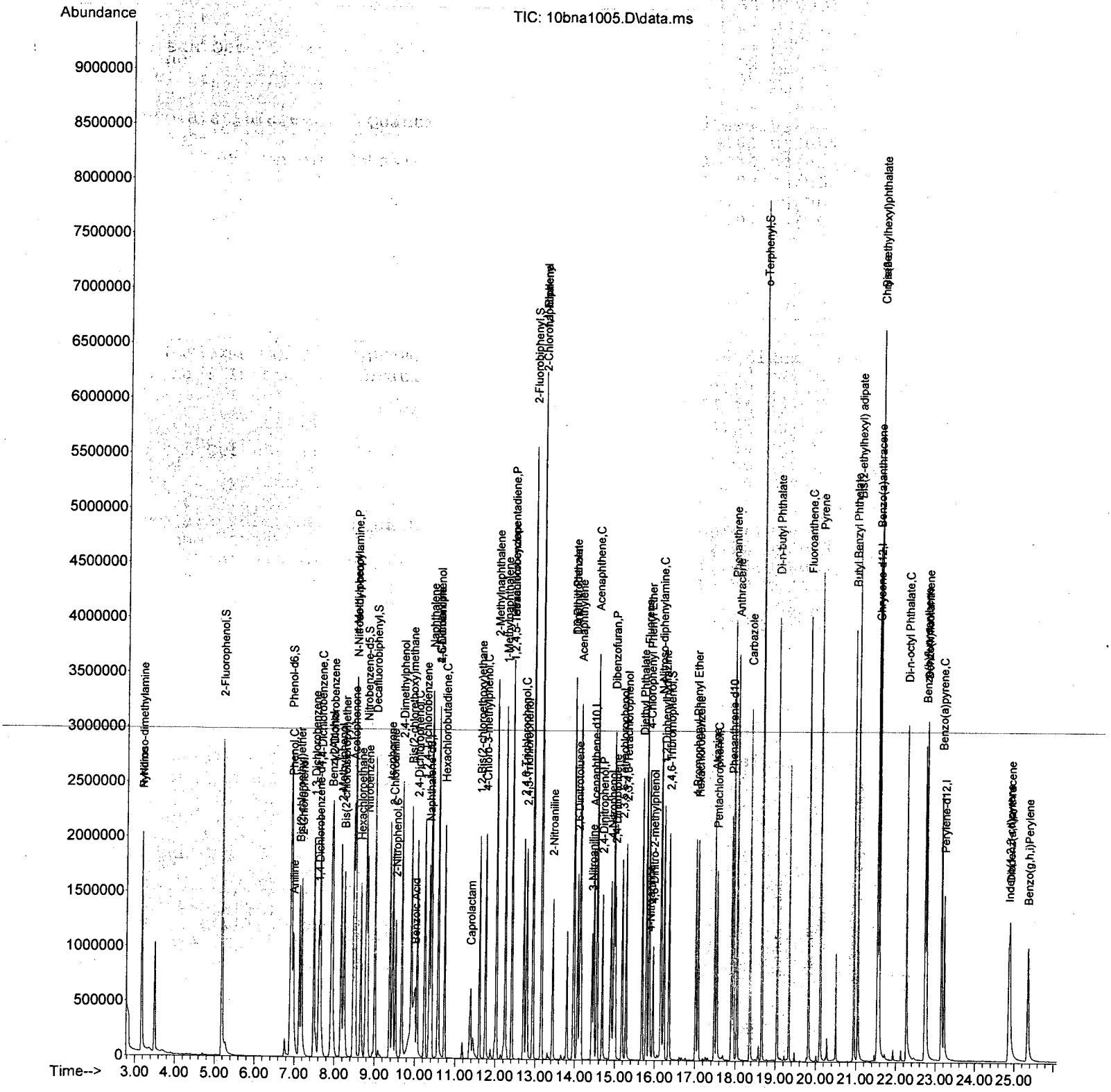
Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	9.72	1.186095	1.152516	0.6	-2.8	20
1,2,4-Trichlorobenzene	A	10.0	9.58	0.2893276	0.2771304	0.01	-4.2	20
2,4,5-Trichlorophenol	A	10.0	10.0	0.299758	0.3012606	0.2	0.5	20
2,4,6-Trichlorophenol	A	10.0	10.1	0.2865524	0.2883719	0.2	0.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\100514_339\
Data File : 10bna1005.D
Acq On : 5 Oct 2014 11:55
Operator : JLB
Sample : 10bna1005 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 05 12:37:39 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration



004157

Data Path : C:\msdchem\1\data\100514_339\
Data File : 10bna1005.D
Acq On : 5 Oct 2014 11:55
Operator : JLB
Sample : 10bna1005 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 05 12:37:39 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	381921	5.00	ng/uL	#-0.01
20) Naphthalene-d8	10.359	136	1455957	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.474	164	807570	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.901	188	1251462	5.00	ng/uL	0.00
81) Chrysene-d12	21.538	240	1001798	5.00	ng/uL	# 0.00
89) Perylene-d12	23.217	264	848758	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	1706936	19.56	ng/uL	-0.05
6) Phenol-d6	6.908	99	2200349	19.48	ng/uL	-0.04
21) Nitrobenzene-d5	8.785	82	1803140	19.37	ng/uL	-0.03
23) Decafluorobiphenyl	9.007	334	1250607	19.16	ng/uL	-0.02
47) 2-Fluorobiphenyl	12.941	172	3158405	18.93	ng/uL	-0.02
70) 2,4,6-Tribromophenol	16.362	330	384390	20.25	ng/uL	-0.02
78) o-Terphenyl	18.665	230	2028753	18.91	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.172	74	574048	10.18	ng/uL	84
3) Pyridine	3.172	79	988058	10.23	ng/uL#	78
5) Aniline	6.973	93	956302	10.24	ng/uL	99
7) Phenol	6.932	94	1272163	9.91	ng/uL	89
8) Bis(2-chloroethyl)ether	7.124	93	1053337	9.74	ng/uL	90
9) 2-Chlorophenol	7.182	128	1001318	9.83	ng/uL#	34
10) 1,3-Dichlorobenzene	7.491	146	1072737	9.72	ng/uL	96
11) 1,4-Dichlorobenzene	7.643	146	1076570	9.71	ng/uL	95
12) 1,2-Dichlorobenzene	7.946	146	1006543	9.72	ng/uL	93
13) Bis(2-chloroisipropyl)...	8.243	45	1652579	9.61	ng/uL	97
14) Benzyl Alcohol	7.923	108	650083	9.90	ng/uL	86
15) 2-Methylphenol	8.162	108	880315	9.65	ng/uL	96
16) Acetophenone	8.476	105	1340030	9.73	ng/uL	90
17) Hexachloroethane	8.651	119	399968	9.71	ng/uL	97
18) 4-Methylphenol	8.511	108	881702	9.70	ng/uL#	48
19) N-Nitroso-di-n-propyla...	8.517	70	675158	9.80	ng/uL#	73
22) Nitrobenzene	8.826	77	991630	9.75	ng/uL#	1
24) Isophorone	9.374	82	1842470	9.85	ng/uL	98
25) 2-Chloroaniline	9.450	127	1166879	9.79	ng/uL	100
26) 2-Nitrophenol	9.520	139	487447	10.08	ng/uL#	87
27) 2,4-Dimethylphenol	9.677	107	926384	9.87	ng/uL#	58
28) Bis(2-chlorethoxy)methane	9.910	93	1091555	9.62	ng/uL	95
29) 2,4-Dichlorophenol	10.056	162	737663	9.98	ng/uL	99
30) Benzoic Acid	10.009	105	1263303	18.28	ng/uL	94
31) 1,2,4-Trichlorobenzene	10.248	180	806980	9.58	ng/uL	99
32) Naphthalene	10.406	128	2803378	9.64	ng/uL	100
33) 4-Chloroaniline	10.575	127	823173	abd ~~11.57~~	ng/uL#	75
34) 2,6-Dichlorophenol	10.575	162	717253	9.77	ng/uL	97
35) Hexachlorobutadiene	10.732	225	445671	9.69	ng/uL	99
36) Caprolactam	11.385	55	413445m	9.86	ng/uL	
37) 1,2-Bis(2-chloroethoxy...	11.606	63	916361	9.65	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.758	107	810093	9.94	ng/uL	93
39) 2-Methylnaphthalene	12.026	142	1767852	9.55	ng/uL	99
40) 1-Methylnaphthalene	12.247	142	1610570	9.56	ng/uL	99
41) 1,3 Dinitrobenzene	13.973	168	302711	10.05	ng/uL	100

ASC 10/9/14

Data Path : C:\msdchem\1\data\100514_339\
Data File : 10bna1005.D
Acq On : 5 Oct 2014 11:55
Operator : JLB
Sample : 10bna1005 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 05 12:37:39 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration

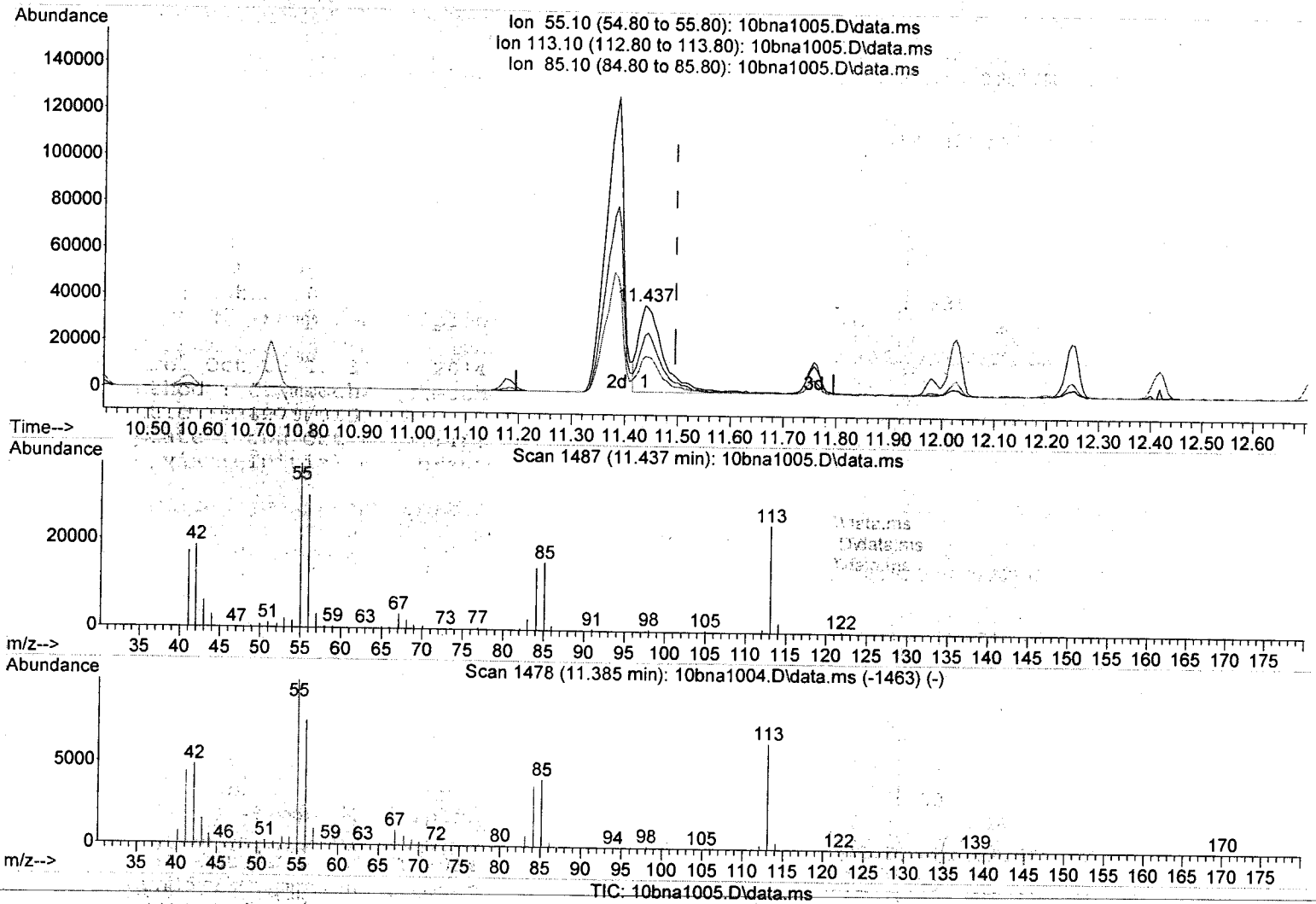
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.422	216	690587	9.66 ng/uL	98
44) Hexachlorocyclopentadiene	12.416	237	404783	10.19 ng/uL	97
45) 2,4,6-Trichlorophenol	12.714	196	465761	10.06 ng/uL	94
46) 2,4,5-Trichlorophenol	12.784	196	486578	10.05 ng/uL#	93
48) 2-Chloronaphthalene	13.163	162	1490301	9.53 ng/uL	91
49) 1,1'-Biphenyl	13.157	154	2039973	9.59 ng/uL	96
50) 2-Nitroaniline	13.442	138	547245	abe ~~10.36~~ ng/uL	99
51) Acenaphthylene	14.130	152	2518032	9.73 ng/uL#	87
52) 2,6-Dinitrotoluene	14.072	165	424114	10.17 ng/uL	96
53) Dimethyl Phthalate	13.973	163	1701576	9.74 ng/uL	99
54) 3-Nitroaniline	14.433	138	381513	abe ~~10.42~~ ng/uL#	1
55) Acenaphthene	14.556	153	1646649	9.66 ng/uL	98
56) 2,4-Dinitrophenol	14.690	184	383764	17.96 ng/uL	97
57) Dibenzofuran	14.975	168	2123483	9.60 ng/uL	98
58) 4-Nitrophenol	14.905	65	641071	19.46 ng/uL	96
59) 2,4-Dinitrotoluene	15.010	165	539971	10.32 ng/uL#	84
60) 2,3,5,6-Tetrachlorophenol	15.185	232	412297	10.36 ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.284	232	410049	10.23 ng/uL	95
62) Fluorene	15.791	166	1733948	9.69 ng/uL	97
63) Diethyl Phthalate	15.686	149	1584404	9.63 ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.861	204	788679	9.55 ng/uL	92
65) 4-Nitroaniline	15.879	138	141097	abe ~~5.33~~ ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.960	198	266260	9.18 ng/uL	96
68) N-Nitroso-diphenylamine	16.153	169	1340067	9.68 ng/uL	98
69) 1,2-Diphenylhydrazine	16.234	182	486433	9.70 ng/uL	84
71) 4-Bromophenyl Phenyl E...	17.021	248	414515	9.80 ng/uL	99
72) Hexachlorobenzene	17.079	284	451734	9.77 ng/uL	97
73) Atrazine	17.487	200	404117	9.69 ng/uL	98
74) Pentachlorophenol	17.540	266	305866	11.29 ng/uL	97
75) Phenanthrene	17.948	178	2357573	9.73 ng/uL	99
76) Anthracene	18.047	178	2312847	9.89 ng/uL	100
77) Carbazole	18.368	167	1947226	9.65 ng/uL	99
79) Di-n-butyl Phthalate	19.044	149	2409298	10.01 ng/uL	99
80) Fluoroanthene	19.825	202	2206216	9.54 ng/uL	93
82) Pyrene	20.110	202	2309177	9.72 ng/uL	100
83) Butyl Benzyl Phthalate	20.944	149	963593	10.27 ng/uL	91
84) Bis(2-ethylhexyl) adipate	21.043	129	896031	9.70 ng/uL#	100
85) Benzo(a)anthracene	21.527	228	1827524	10.01 ng/uL	99
86) Chrysene	21.567	228	1720948	9.65 ng/uL#	90
87) Bis(2-ethylhexyl)phtha...	21.573	149	1256824	10.46 ng/uL	93
88) Di-n-octyl Phthalate	22.261	149	2134370	10.02 ng/uL	99
90) Benzo(b)fluoroanthene	22.727	252	1535467	9.96 ng/uL	98
91) Benzo(k)fluoranthene	22.762	252	1753907	10.07 ng/uL	100
92) Benzo(a)pyrene	23.147	252	1533928	10.55 ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.861	276	1188359	9.45 ng/uL	90
94) Dibdenz(a,h)anthracene	24.890	278	982507	9.56 ng/uL	92
95) Benzo(g,h,i)Perylene	25.350	276	1002172	9.24 ng/uL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004159

Data Path : C:\msdchem\1\data\100514_339\
Data File : 10bna1005.D
Acq On : 5 Oct 2014 11:55
Operator : JLB
Sample : 10bna1005 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 05 12:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration



TIC: 10bna1005.D\data.ms

(36) Caprolactam

11.437min (-0.058) 2.90 ng/uL

response 121735

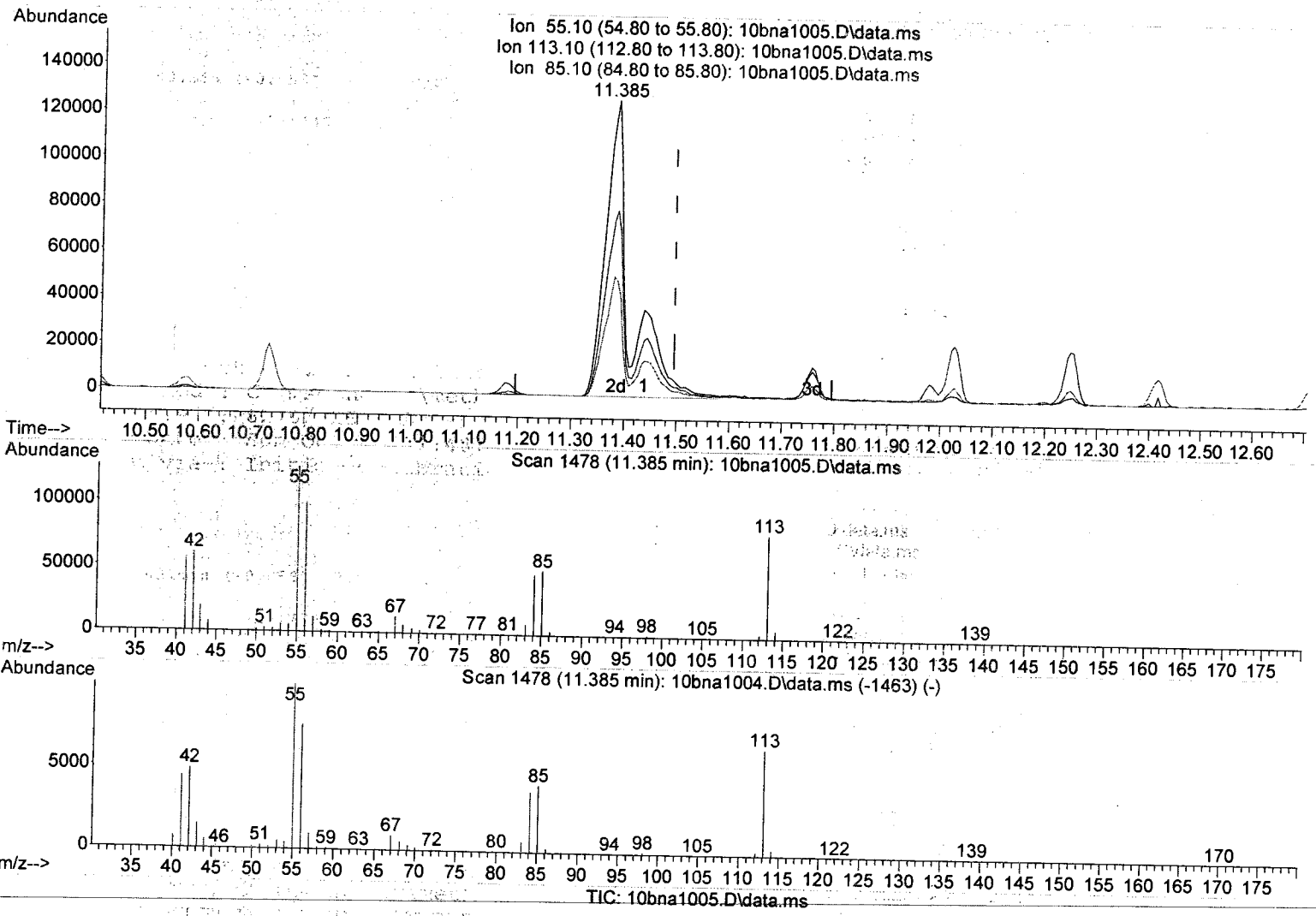
Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	63.32
85.10	46.10	37.43
0.00	0.00	0.00

JLB 10/6/14

Data Path : C:\msdchem\1\data\100514_339\
Data File : 10bna1005.D
Acq On : 5 Oct 2014 11:55
Operator : JLB
Sample : 10bna1005
ALS Vial : 2 Sample Multiplier: 1

Inst : 339

Quant Time: Oct 05 12:36:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 11:48:14 2014
Response via : Initial Calibration



TIC: 10bna1005.D\data.ms

(36) Caprolactam

11.385min (-0.110) 9.86 ng/uL m

response 413445

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	18.64#
85.10	46.10	11.02#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes / No)
Analyst: JLB Date: 10/10/14
Reviewed By: ASC Date: 10/9/14

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J06022-CCV2
Lab File ID: 10ab1005.D
Injection Date: 10/05/14
Injection Time: 12:27
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J06022
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	10.4	0.3678384	0.4223766	0.01	4.1	20
3,3′-Dichlorobenzidine	A	10.0	8.68	0.2873976	0.2493255	0.01	-13.2	20
4-Nitroaniline	L	10.0	10.5	0.2482629	0.2752167	0.01	5.0	20
2-Nitroaniline	L	10.0	10.6	0.3358017	0.3769734	0.01	6.4	20
3-Nitroaniline	L	10.0	10.6	0.2883083	0.3156246	0.01	5.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J06027-CCV2
Injection Date: 10/05/14
Calibration Date: 10/04/14 11:28
Sequence: 4J06027

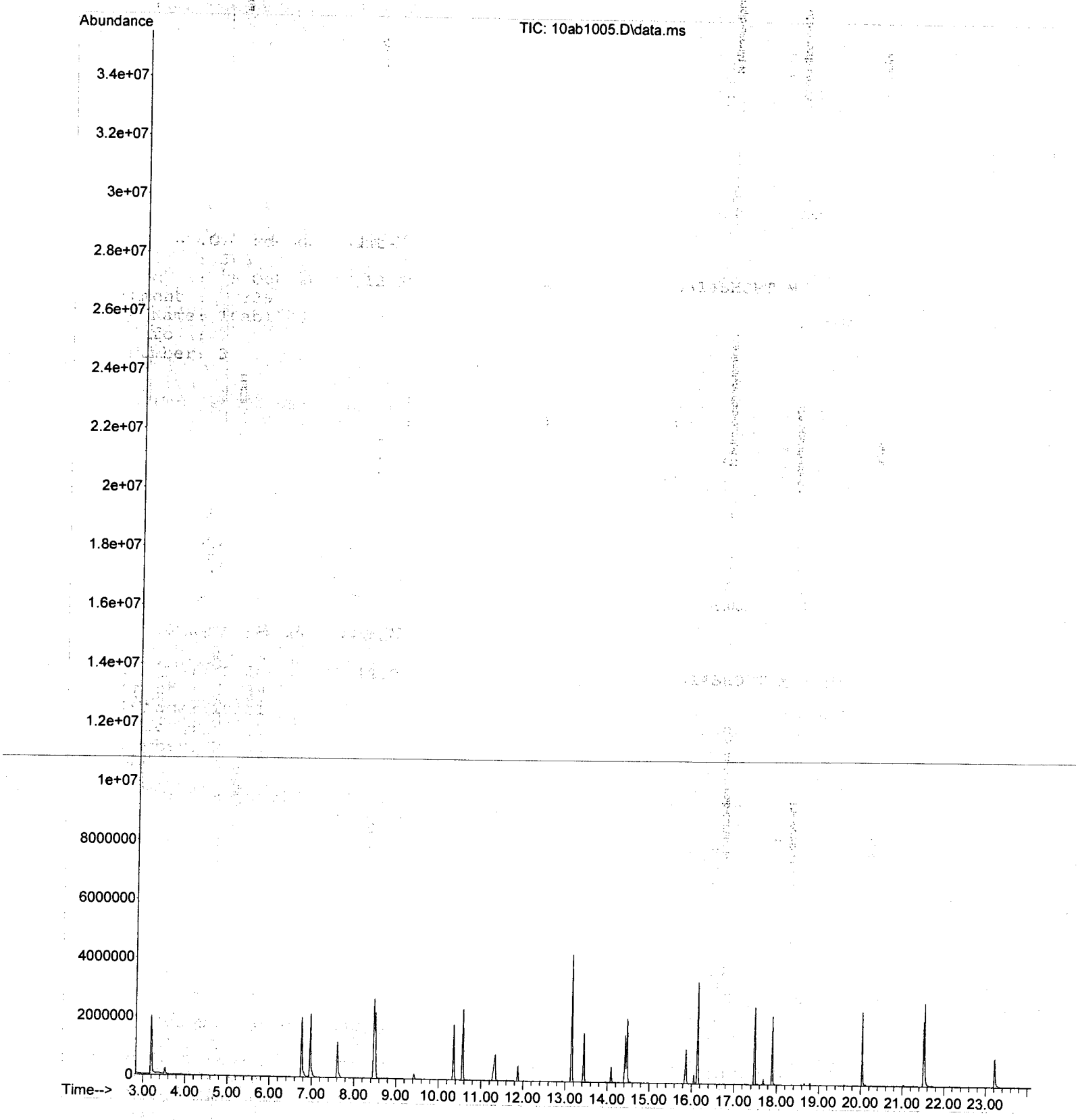
SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1005.D
Injection Time: 12:27
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	10.4	0.3678384	0.4223766	0.01	4.1	20
3,3′-Dichlorobenzidine	A	10.0	8.68	0.2873976	0.2493255	0.01	-13.2	20
4-Nitroaniline	L	10.0	10.5	0.2482629	0.2752167	0.01	5.0	20
2-Nitroaniline	L	10.0	10.6	0.3358017	0.3769734	0.01	6.4	20
3-Nitroaniline	L	10.0	10.6	0.2883083	0.3156246	0.01	5.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

File : C:\msdchem\1\data\100514_339\10ab1005.D
Operator : JLB
Acquired : 5 Oct 2014 12:27 using AcqMethod 100314SHORT.M
Instrument : 339
Sample Name: 10ab1005
Misc Info :
Vial Number: 3



Data Path : C:\msdchem\1\data\100514_339\
Data File : 10ab1005.D
Acq On : 5 Oct 2014 12:27
Operator : JLB
Sample : 10ab1005 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 09:08:51 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Sun Oct 05 12:10:54 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	392282	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1593760	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	851320	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.901	188	1320191	5.00	ng/uL		0.00
19) Chrysene-d12	21.532	240	1084570	5.00	ng/uL	#	0.00
22) Perylene-d12	23.217	264	626647	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.196	74	638556	10.27	ng/uL	#	80
3) Pyridine	3.184	79	1104621	10.09	ng/uL	#	81
4) Aniline	6.973	93	1745095	10.40	ng/uL		94
5) Benzaldehyde	6.763	105	883634	10.26	ng/uL	#	1
6) Acetophenone	8.470	105	1543536	10.33	ng/uL		90
7) N-Nitroso-di-n-propyla...	8.505	70	791844	10.50	ng/uL	#	74
9) 4-Chloroaniline	10.569	127	1346334	10.41	ng/uL	#	44
10) Caprolactam	11.332	55	532019	10.41	ng/uL		92
12) 1,1'-Biphenyl	13.157	154	2507188	9.86	ng/uL		96
13) 2-Nitroaniline	13.442	138	641850	10.64	ng/uL		100
14) 3-Nitroaniline	14.427	138	537395	10.56	ng/uL	#	1
15) 4-Nitroaniline	15.873	138	468595	10.50	ng/uL	#	1
17) N-Nitroso-diphenylamine	16.147	169	1549906	10.09	ng/uL		98
18) Atrazine	17.487	200	478977	9.79	ng/uL		97
20) Benzidine	20.035	184	1158423	NR ~~7.83~~	ng/uL		98
21) 3,3'-Dichlorobenzidine	21.509	252	540822	8.68	ng/uL		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ASC 10/9/14

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J08017-CCV1
Injection Date: 10/07/14
Calibration Date: 10/04/14 11:28
Sequence: 4J08017

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1007.D
Injection Time: 09:38
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.66	1.055312	1.018962	0.9	-3.4	20
Acenaphthylene	A	10.0	9.72	1.602723	1.557555	0.9	-2.8	20
Anthracene	A	10.0	9.82	0.9344171	0.917447	0.7	-1.8	20
Benzo(a)anthracene	A	10.0	10.0	0.9113378	0.9126562	0.8	0.1	20
Benzo(a)pyrene	A	10.0	10.6	0.8566272	0.9120663	0.7	6.5	20
Benzo(b)fluoranthene	A	10.0	10.8	0.9083445	0.9822382	0.7	8.1	20
Benzo(k)fluoranthene	A	10.0	9.56	1.026063	0.9811412	0.7	-4.4	20
Benzo(g,h,i)perylene	A	10.0	11.2	0.6387196	0.7182283	0.5	12.4	20
Benzoic Acid	L	20.0	19.4	0.2268224	0.2330115	0.01	-2.8	20
Benzyl Alcohol	A	10.0	9.74	0.859675	0.837246	0.01	-2.6	20
4-Bromophenyl Phenyl Ether	A	10.0	9.78	0.1689127	0.1651614	0.1	-2.2	20
Butyl Benzyl Phthalate	A	10.0	10.5	0.4682775	0.4920854	0.01	5.1	20
Carbazole	A	10.0	9.54	0.8059797	0.7689426	0.01	-4.6	20
4-Chloro-3-methylphenol	A	10.0	10.2	0.2797675	0.2859428	0.2	2.2	20
Bis(2-chloroethoxy)methane	A	10.0	9.70	0.3898008	0.3779346	0.3	-3.0	20
Bis(2-chloroethyl) Ether	A	10.0	9.53	1.415296	1.349434	0.7	-4.7	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.00	2.250618	2.02536	0.01	-10.0	20
2-Chloronaphthalene	A	10.0	9.60	0.9680318	0.9290004	0.8	-4.0	20
2-Chlorophenol	A	10.0	9.79	1.333337	1.305448	0.8	-2.1	20
4-Chlorophenyl Phenyl Ether	A	10.0	10.1	0.5112369	0.5143992	0.4	0.6	20
Chrysene	A	10.0	9.42	0.8904179	0.8386196	0.7	-5.8	20
Dibenz(a,h)anthracene	A	10.0	11.9	0.6055826	0.7200599	0.4	18.9	20
Dibenzofuran	A	10.0	9.81	1.36941	1.343948	0.8	-1.9	20
Di-n-butyl Phthalate	A	10.0	10.1	0.9619959	0.9715182	0.01	1.0	20
1,4-Dichlorobenzene	A	10.0	9.71	1.451559	1.40971	0.01	-2.9	20
1,2-Dichlorobenzene	A	10.0	9.55	1.355521	1.294255	0.01	-4.5	20
1,3-Dichlorobenzene	A	10.0	9.63	1.444903	1.390767	0.01	-3.7	20
2,4-Dichlorophenol	A	10.0	10.2	0.2539136	0.2582044	0.2	1.7	20
Diethyl Phthalate	A	10.0	10.0	1.019087	1.024683	0.01	0.5	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J08017-CCV1
Lab File ID: 10bna1007.D
Injection Date: 10/07/14
Injection Time: 09:38
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J08017
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.59	0.3221636	0.3089989	0.2	-4.1	20
Dimethyl Phthalate	A	10.0	10.2	1.081514	1.101359	0.01	1.8	20
4,6-Dinitro-2-methylphenol	L	10.0	9.69	9.711342E-02	0.1129313	0.01	-3.1	20
2,4-Dinitrophenol	L	20.0	20.5	0.1272305	0.1386804	0.01	2.4	20
2,6-Dinitrotoluene	A	10.0	10.3	0.2581995	0.2667836	0.2	3.3	20
2,4-Dinitrotoluene	A	10.0	10.8	0.3239502	0.3482075	0.2	7.5	20
Di-n-octyl Phthalate	L	10.0	10.5	0.9447342	1.118306	0.01	5.0	20
1,2-Diphenylhydrazine	A	10.0	9.63	0.2003691	0.1930022	0.01	-3.7	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.5	0.5996469	0.6319378	0.01	5.4	20
Fluoranthene	A	10.0	9.74	0.9237645	0.8999331	0.6	-2.6	20
Fluorene	A	10.0	10.0	1.107485	1.111274	0.9	0.3	20
Hexachlorobenzene	A	10.0	9.37	0.1846747	0.1730466	0.1	-6.3	20
Hexachlorobutadiene	A	10.0	9.94	0.1578851	0.1570086	0.01	-0.6	20
Hexachloroethane	A	10.0	9.70	0.5390411	0.522838	0.3	-3.0	20
Indeno(1,2,3-cd)pyrene	A	10.0	11.6	0.7411104	0.8633277	0.5	16.5	20
Isophorone	A	10.0	9.55	0.6426017	0.6138884	0.4	-4.5	20
2-Methylnaphthalene	A	10.0	9.75	0.6357622	0.6195843	0.4	-2.5	20
3+4-Methylphenol	A	10.0	9.53	1.190003	1.134159	0.6	-4.7	20
2-Methylphenol	A	10.0	9.50	1.194064	1.134616	0.7	-5.0	20
Naphthalene	A	10.0	9.59	0.9981756	0.9567965	0.4	-4.1	20
Nitrobenzene	A	10.0	9.59	0.349211	0.3348597	0.2	-4.1	20
2-Nitrophenol	A	10.0	10.0	0.1660685	0.1665518	0.1	0.3	20
4-Nitrophenol	A	20.0	20.9	0.2039171	0.213158	0.01	4.5	20
N-Nitroso-dimethylamine	A	10.0	9.57	0.7385079	0.7067648	0.01	-4.3	20
N-Nitroso-diphenylamine	A	10.0	9.60	0.5529454	0.5307077	0.01	-4.0	20
N-Nitroso-di-n-propylamine	A	10.0	9.52	0.9015026	0.8584781	0.01	-4.8	20
Pentachlorophenol	A	10.0	11.0	0.108286	0.1195594	0.05	10.4	20
Phenanthrene	A	10.0	9.59	0.9682669	0.9280898	0.7	-4.1	20
Phenol	A	10.0	9.61	1.680502	1.615248	0.8	-3.9	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J08017-CCV1
Lab File ID: 10bna1007.D
Injection Date: 10/07/14
Injection Time: 09:38
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J08017
Instrument ID: 339

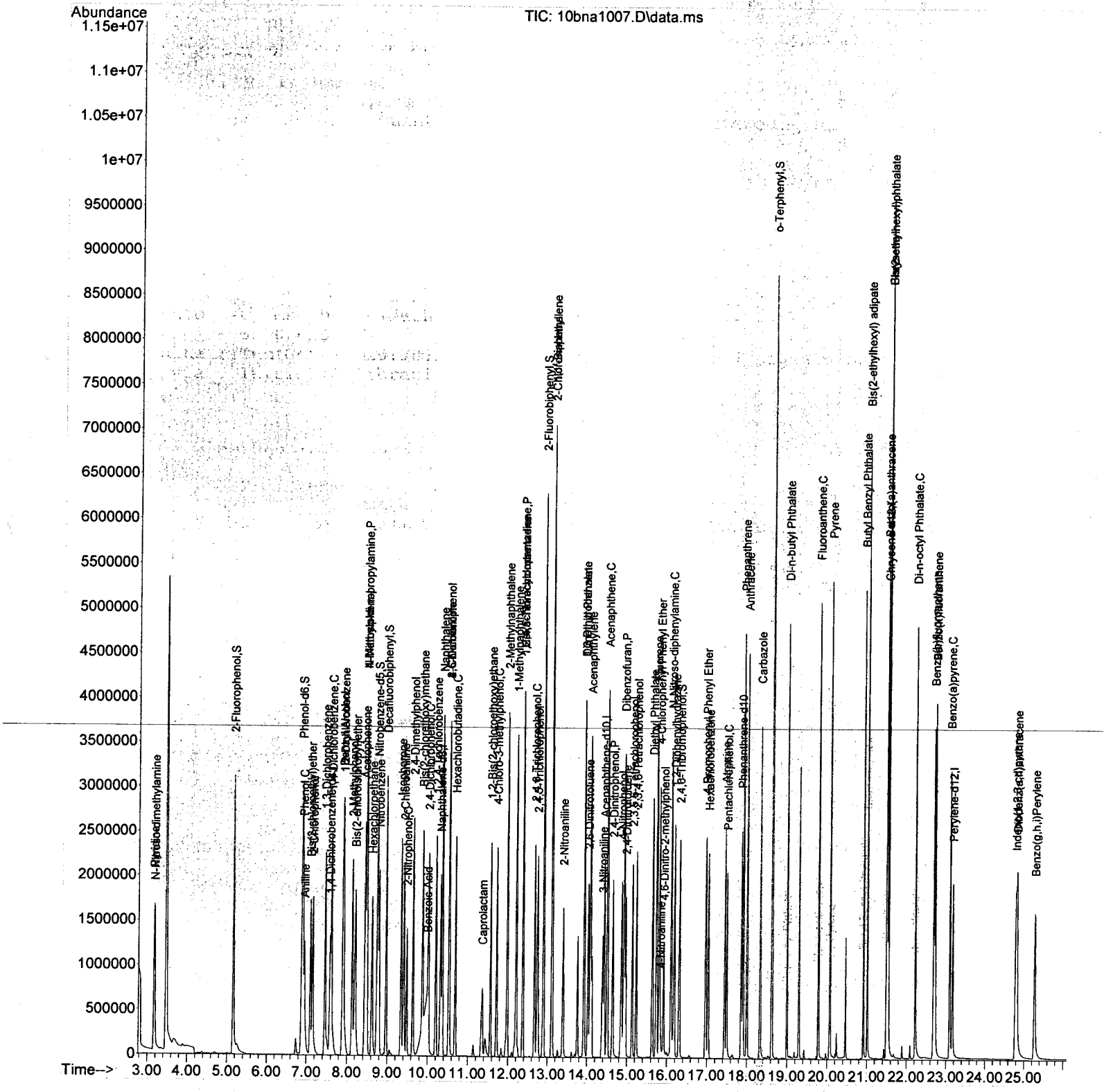
Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	9.67	1.186095	1.146509	0.6	-3.3	20
1,2,4-Trichlorobenzene	A	10.0	9.86	0.2893276	0.2851449	0.01	-1.4	20
2,4,5-Trichlorophenol	A	10.0	10.6	0.299758	0.3161497	0.2	5.5	20
2,4,6-Trichlorophenol	A	10.0	10.4	0.2865524	0.2983822	0.2	4.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\100714_339\
Data File : 10bna1007.D
Acq On : 7 Oct 2014 9:38
Operator : JLB
Sample : 10bna1007 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 10:18:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 10:18:10 2014
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\100714_339\
Data File : 10bna1007.D
Acq On : 7 Oct 2014 9:38
Operator : JLB
Sample : 10bna1007 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 10:18:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 10:18:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.573	152	430269	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.318	136	1621258	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.428	164	919914	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.861	188	1524130	5.00	ng/uL		0.00
81) Chrysene-d12	21.503	240	1251366	5.00	ng/uL	#	0.00
89) Perylene-d12	23.170	264	1074753	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.160	112	1920686	19.54	ng/uL		0.00
6) Phenol-d6	6.885	99	2421599	19.03	ng/uL		0.00
21) Nitrobenzene-d5	8.750	82	1976170	19.07	ng/uL		0.00
23) Decafluorobiphenyl	8.972	334	1403106	19.31	ng/uL		0.00
47) 2-Fluorobiphenyl	12.900	172	3616187	19.03	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.316	330	456918	19.76	ng/uL		0.00
78) o-Terphenyl	18.624	230	2387282	18.27	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.178	74	608198	9.57	ng/uL		83
3) Pyridine	3.161	79	1050138	9.65	ng/uL	#	81
5) Aniline	6.944	93	1047708	9.97	ng/uL		94
7) Phenol	6.909	94	1389982	9.61	ng/uL		88
8) Bis(2-chloroethyl)ether	7.095	93	1161239	9.53	ng/uL		90
9) 2-Chlorophenol	7.153	128	1123388	9.79	ng/uL	#	35
10) 1,3-Dichlorobenzene	7.456	146	1196808	9.63	ng/uL		97
11) 1,4-Dichlorobenzene	7.608	146	1213109	9.71	ng/uL		96
12) 1,2-Dichlorobenzene	7.911	146	1113756	9.55	ng/uL		95
13) Bis(2-chloroisipropyl)...	8.208	45	1742899	9.00	ng/uL		99
14) Benzyl Alcohol	7.894	108	720482	9.74	ng/uL		87
15) 2-Methylphenol	8.133	108	976380	9.50	ng/uL		96
16) Acetophenone	8.442	105	1489234	9.60	ng/uL		89
17) Hexachloroethane	8.616	119	449922	9.70	ng/uL		98
18) 4-Methylphenol	8.482	108	975987	9.53	ng/uL	#	47
19) N-Nitroso-di-n-propyla...	8.482	70	738753	9.52	ng/uL	#	77
22) Nitrobenzene	8.791	77	1085788	9.59	ng/uL	#	1
24) Isophorone	9.339	82	1990543	9.55	ng/uL		97
25) 2-Chloroaniline	9.409	127	1327327	10.00	ng/uL		99
26) 2-Nitrophenol	9.485	139	540047	10.03	ng/uL	#	86
27) 2,4-Dimethylphenol	9.642	107	1001934	9.59	ng/uL	#	71
28) Bis(2-chlorethoxy)methane	9.870	93	1225459	9.70	ng/uL		96
29) 2,4-Dichlorophenol	10.015	162	837232	10.17	ng/uL		99
30) Benzoic Acid	9.992	105	1511087	19.45	ng/uL		98
31) 1,2,4-Trichlorobenzene	10.208	180	924587	9.86	ng/uL		97
32) Naphthalene	10.365	128	3102428	9.59	ng/uL		100
33) 4-Chloroaniline	10.534	127	977636	ab 12.34	ng/uL	#	81
34) 2,6-Dichlorophenol	10.534	162	809741	9.90	ng/uL		98
35) Hexachlorobutadiene	10.691	225	509103	9.94	ng/uL		98
36) Caprolactam	11.362	55	494650	10.60	ng/uL	#	76
37) 1,2-Bis(2-chloroethoxy.::	11.566	63	1050692	9.93	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.717	107	927174	10.22	ng/uL		93
39) 2-Methylnaphthalene	11.980	142	2009012	9.75	ng/uL		98
40) 1-Methylnaphthalene	12.207	142	1816175	9.68	ng/uL		98
41) 1,3 Dinitrobenzene	13.926	168	345344	10.29	ng/uL		100

ASE 10/9/14

Data Path : C:\msdchem\1\data\100714_339\
Data File : 10bna1007.D
Acq On : 7 Oct 2014 9:38
Operator : JLB
Sample : 10bna1007 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 10:18:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 10:18:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.376	216	795025	9.76	ng/uL	98
44) Hexachlorocyclopentadiene	12.370	237	454464	10.04	ng/uL	98
45) 2,4,6-Trichlorophenol	12.667	196	548972	10.41	ng/uL	95
46) 2,4,5-Trichlorophenol	12.737	196	581661	10.55	ng/uL	94
48) 2-Chloronaphthalene	13.116	162	1709201	9.60	ng/uL	92
49) 1,1'-Biphenyl	13.110	154	2319655	9.57	ng/uL	96
50) 2-Nitroaniline	13.396	138	639402	ab ~~10.62~~	ng/uL	100
51) Acenaphthylene	14.084	152	2865634	9.72	ng/uL#	79
52) 2,6-Dinitrotoluene	14.031	165	490836	10.33	ng/uL	96
53) Dimethyl Phthalate	13.926	163	2026312	10.18	ng/uL	100
54) 3-Nitroaniline	14.387	138	447210	ab ~~10.73~~	ng/uL#	1
55) Acenaphthene	14.509	153	1874714	9.66	ng/uL	98
56) 2,4-Dinitrophenol	14.643	184	510296	20.49	ng/uL	96
57) Dibenzofuran	14.929	168	2472634	9.81	ng/uL	99
58) 4-Nitrophenol	14.865	65	784348	20.91	ng/uL	96
59) 2,4-Dinitrotoluene	14.970	165	640642	10.75	ng/uL#	85
60) 2,3,5,6-Tetrachlorophenol	15.139	232	497165	10.96	ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.238	232	484972	10.62	ng/uL	95
62) Fluorene	15.739	166	2044553	10.03	ng/uL#	97
63) Diethyl Phthalate	15.640	149	1885240	10.05	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.809	204	946406	10.06	ng/uL	92
65) 4-Nitroaniline	15.838	138	297746	ab ~~9.88~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.920	198	344244	9.69	ng/uL	97
68) N-Nitroso-diphenylamine	16.106	169	1617735	9.60	ng/uL	99
69) 1,2-Diphenylhydrazine	16.188	182	588321	9.63	ng/uL	80
71) 4-Bromophenyl Phenyl E...	16.969	248	503455	9.78	ng/uL	98
72) Hexachlorobenzene	17.033	284	527491	9.37	ng/uL	97
73) Atrazine	17.447	200	501647	9.88	ng/uL	98
74) Pentachlorophenol	17.493	266	364448	11.04	ng/uL	98
75) Phenanthrene	17.907	178	2829059	9.59	ng/uL	100
76) Anthracene	18.000	178	2796617	9.82	ng/uL	100
77) Carbazole	18.327	167	2343937	9.54	ng/uL	99
79) Di-n-butyl Phthalate	19.003	149	2961440	10.10	ng/uL	100
80) Fluoroanthene	19.784	202	2743230	9.74	ng/uL#	92
82) Pyrene	20.081	202	2869404	9.67	ng/uL	98
83) Butyl Benzyl Phthalate	20.909	149	1231558	10.51	ng/uL	88
84) Bis(2-ethylhexyl) adipate	21.008	129	1176139	10.19	ng/uL#	100
85) Benzo(a)anthracene	21.492	228	2284134	10.01	ng/uL	99
86) Chrysene	21.533	228	2098840	9.42	ng/uL#	91
87) Bis(2-ethylhexyl)phtha...	21.538	149	1581571	10.54	ng/uL	93
88) Di-n-octyl Phthalate	22.215	149	2798820	10.50	ng/uL	100
90) Benzo(b)fluoroanthene	22.687	252	2111327	10.81	ng/uL	99
91) Benzo(k)fluoranthene	22.722	252	2108969	9.56	ng/uL	98
92) Benzo(a)pyrene	23.101	252	1960492	10.65	ng/uL	97
93) Indeno(1,2,3-cd)pyrene	24.791	276	1855728	11.65	ng/uL	93
94) Dibdenz(a,h)anthracene	24.820	278	1547773	11.89	ng/uL	94
95) Benzo(g,h,i)Perylene	25.280	276	1543836	11.24	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J08017-CCV2
Injection Date: 10/07/14
Calibration Date: 10/04/14 11:28
Sequence: 4J08017

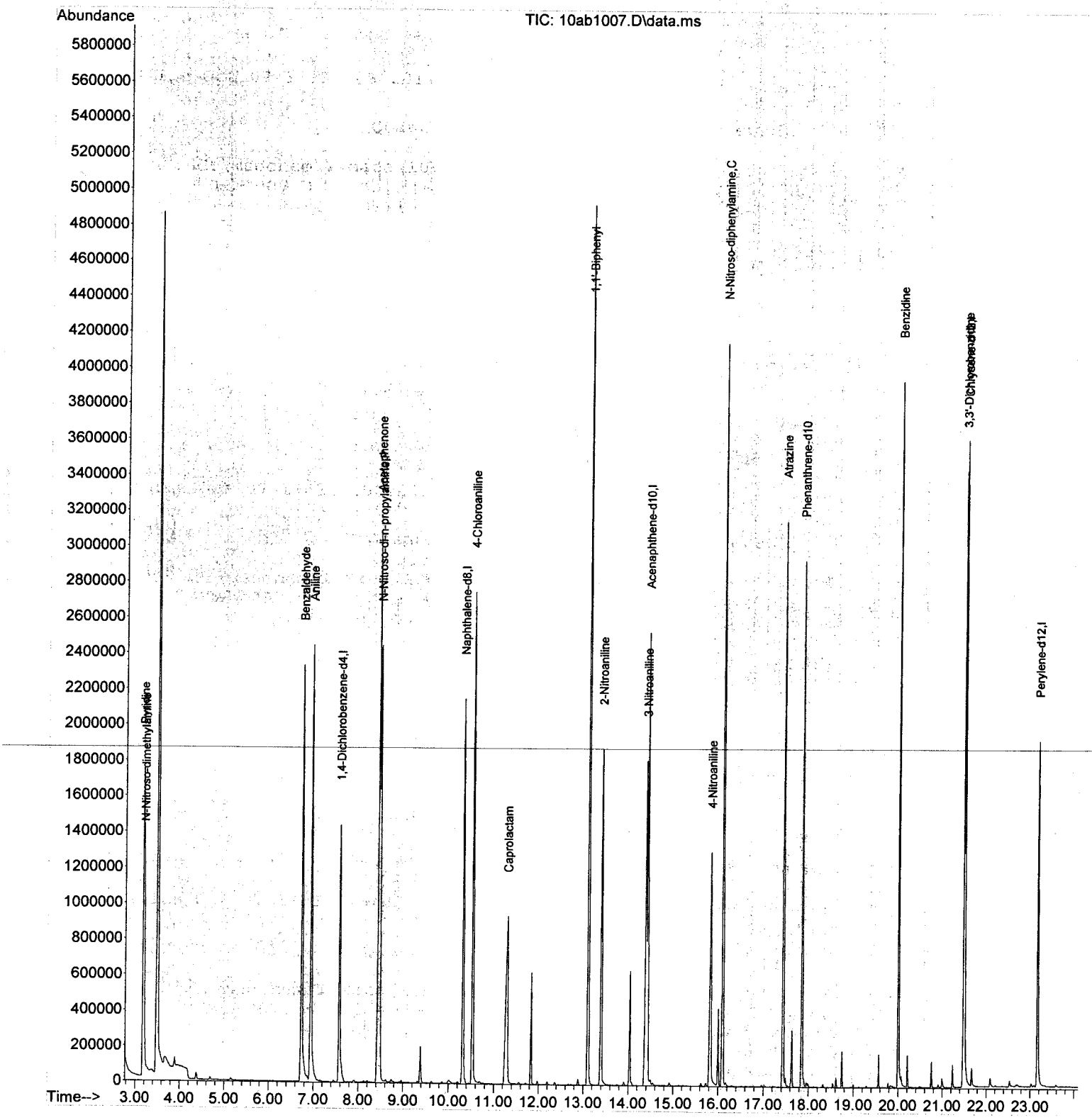
SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1007.D
Injection Time: 10:11
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	10.4	0.3678384	0.4226432	0.01	4.1	20
3,3′-Dichlorobenzidine	A	10.0	10.9	0.2873976	0.3144768	0.01	9.4	20
4-Nitroaniline	L	10.0	10.4	0.2482629	0.2727619	0.01	4.0	20
2-Nitroaniline	L	10.0	10.2	0.3358017	0.3605102	0.01	1.7	20
3-Nitroaniline	L	10.0	10.4	0.2883083	0.312193	0.01	4.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

Data Path : C:\msdchem\1\data\100714_339\
Data File : 10ab1007.D
Acq On : 7 Oct 2014 10:11
Operator : JLB
Sample : 10ab1007 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 07 11:37:50 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration



100414abe.M Tue Oct 07 11:38:06 2014 339

004173

Data Path : C:\msdchem\1\data\100714_339\
Data File : 10ab1007.D
Acq On : 7 Oct 2014 10:11
Operator : JLB
Sample : 10ab1007 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 07 11:37:50 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.579	152	453525	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.312	136	1785460	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.422	164	1000213	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.855	188	1665392	5.00	ng/uL		0.00
19) Chrysene-d12	21.498	240	1400140	5.00	ng/uL	#	0.00
22) Perylene-d12	23.165	264	1101651	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.196	74	673743	9.37	ng/uL		88
3) Pyridine	3.167	79	1226895	9.70	ng/uL#		71
4) Aniline	6.944	93	1911541	9.85	ng/uL		95
5) Benzaldehyde	6.734	105	969536	9.73	ng/uL#		1
6) Acetophenone	8.436	105	1729145	10.01	ng/uL		90
7) N-Nitroso-di-n-propyla...	8.471	70	867472	9.95	ng/uL#		78
9) 4-Chloroaniline	10.528	127	1509225	10.41	ng/uL#		44
10) Caprolactam	11.298	55	595271	10.40	ng/uL		96
12) 1,1'-Biphenyl	13.110	154	2897057	9.70	ng/uL		96
13) 2-Nitroaniline	13.396	138	721174	10.17	ng/uL		100
14) 3-Nitroaniline	14.387	138	624519	10.45	ng/uL#		1
15) 4-Nitroaniline	15.832	138	545640	10.40	ng/uL#		1
17) N-Nitroso-diphenylamine	16.100	169	1899824	9.80	ng/uL		98
18) Atrazine	17.447	200	650421	10.56	ng/uL		98
20) Benzidine	20.000	184	1884857	9.77	ng/uL		95
21) 3,3'-Dichlorobenzidine	21.474	252	880623	10.94	ng/uL		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ASC 10/9/14

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J08019-CCV1
Injection Date: 10/07/14
Calibration Date: 10/04/14 11:28
Sequence: 4J08019

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1007a.D
Injection Time: 15:32
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.53	1.055312	1.005459	0.9	-4.7	20
Acenaphthylene	A	10.0	9.70	1.602723	1.555422	0.9	-3.0	20
Anthracene	A	10.0	9.83	0.9344171	0.9181223	0.7	-1.7	20
Benzo(a)anthracene	A	10.0	9.98	0.9113378	0.9094196	0.8	-0.2	20
Benzo(a)pyrene	A	10.0	10.6	0.8566272	0.9082842	0.7	6.0	20
Benzo(b)fluoranthene	A	10.0	10.9	0.9083445	0.9878336	0.7	8.8	20
Benzo(k)fluoranthene	A	10.0	9.18	1.026063	0.9414145	0.7	-8.2	20
Benzo(g,h,i)perylene	A	10.0	11.4	0.6387196	0.7250764	0.5	13.5	20
Benzoic Acid	L	20.0	20.7	0.2268224	0.2497098	0.01	3.4	20
Benzyl Alcohol	A	10.0	10.0	0.859675	0.8594129	0.01	-0.03	20
4-Bromophenyl Phenyl Ether	A	10.0	9.77	0.1689127	0.1649773	0.1	-2.3	20
Butyl Benzyl Phthalate	A	10.0	10.6	0.4682775	0.4950772	0.01	5.7	20
Carbazole	A	10.0	9.75	0.8059797	0.7859112	0.01	-2.5	20
4-Chloro-3-methylphenol	A	10.0	10.1	0.2797675	0.2817909	0.2	0.7	20
Bis(2-chloroethoxy)methane	A	10.0	9.85	0.3898008	0.3837664	0.3	-1.5	20
Bis(2-chloroethyl) Ether	A	10.0	9.51	1.415296	1.346576	0.7	-4.9	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.18	2.250618	2.06621	0.01	-8.2	20
2-Chloronaphthalene	A	10.0	9.39	0.9680318	0.9090055	0.8	-6.1	20
2-Chlorophenol	A	10.0	9.77	1.333337	1.302866	0.8	-2.3	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.88	0.5112369	0.5052334	0.4	-1.2	20
Chrysene	A	10.0	9.50	0.8904179	0.8458135	0.7	-5.0	20
Dibenz(a,h)anthracene	A	10.0	11.8	0.6055826	0.7161601	0.4	18.3	20
Dibenzofuran	A	10.0	9.76	1.36941	1.335881	0.8	-2.4	20
Di-n-butyl Phthalate	A	10.0	10.3	0.9619959	0.9924146	0.01	3.2	20
1,4-Dichlorobenzene	A	10.0	9.60	1.451559	1.394185	0.01	-4.0	20
1,2-Dichlorobenzene	A	10.0	9.51	1.355521	1.288943	0.01	-4.9	20
1,3-Dichlorobenzene	A	10.0	9.57	1.444903	1.382614	0.01	-4.3	20
2,4-Dichlorophenol	A	10.0	10.3	0.2539136	0.2611756	0.2	2.9	20
Diethyl Phthalate	A	10.0	9.77	1.019087	0.9960668	0.01	-2.3	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J08019-CCV1
Injection Date: 10/07/14
Calibration Date: 10/04/14 11:28
Sequence: 4J08019

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1007a.D
Injection Time: 15:32
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.70	0.3221636	0.3124872	0.2	-3.0	20
Dimethyl Phthalate	A	10.0	9.94	1.081514	1.074999	0.01	-0.6	20
4,6-Dinitro-2-methylphenol	L	10.0	10.1	9.711342E-02	0.1179516	0.01	0.7	20
2,4-Dinitrophenol	L	20.0	20.1	0.1272305	0.1355733	0.01	0.4	20
2,6-Dinitrotoluene	A	10.0	10.2	0.2581995	0.2625884	0.2	1.7	20
2,4-Dinitrotoluene	A	10.0	10.3	0.3239502	0.3336037	0.2	3.0	20
Di-n-octyl Phthalate	L	10.0	10.6	0.9447342	1.124738	0.01	5.6	20
1,2-Diphenylhydrazine	A	10.0	9.74	0.2003691	0.1950868	0.01	-2.6	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.2	0.5996469	0.6094489	0.01	1.6	20
Fluoranthene	A	10.0	9.90	0.9237645	0.9140663	0.6	-1.0	20
Fluorene	A	10.0	9.90	1.107485	1.096404	0.9	-1.0	20
Hexachlorobenzene	A	10.0	9.41	0.1846747	0.1737592	0.1	-5.9	20
Hexachlorobutadiene	A	10.0	9.71	0.1578851	0.153231	0.01	-2.9	20
Hexachloroethane	A	10.0	9.50	0.5390411	0.5118875	0.3	-5.0	20
Indeno(1,2,3-cd)pyrene	A	10.0	11.5	0.7411104	0.8540009	0.5	15.2	20
Isophorone	A	10.0	9.84	0.6426017	0.6326206	0.4	-1.6	20
2-Methylnaphthalene	A	10.0	9.78	0.6357622	0.6218634	0.4	-2.2	20
3+4-Methylphenol	A	10.0	9.75	1.190003	1.159972	0.6	-2.5	20
2-Methylphenol	A	10.0	9.70	1.194064	1.158563	0.7	-3.0	20
Naphthalene	A	10.0	9.66	0.9981756	0.9645494	0.4	-3.4	20
Nitrobenzene	A	10.0	9.63	0.349211	0.3361176	0.2	-3.7	20
2-Nitrophenol	A	10.0	10.5	0.1660685	0.1739272	0.1	4.7	20
4-Nitrophenol	A	20.0	20.0	0.2039171	0.2043024	0.01	0.2	20
N-Nitroso-dimethylamine	A	10.0	8.81	0.7385079	0.65073	0.01	-11.9	20
N-Nitroso-diphenylamine	A	10.0	9.68	0.5529454	0.5350599	0.01	-3.2	20
N-Nitroso-di-n-propylamine	A	10.0	9.69	0.9015026	0.8738211	0.01	-3.1	20
Pentachlorophenol	A	10.0	11.5	0.108286	0.1242064	0.05	14.7	20
Phenanthrene	A	10.0	9.62	0.9682669	0.9309911	0.7	-3.8	20
Phenol	A	10.0	9.77	1.680502	1.641533	0.8	-2.3	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J08019-CCV1
Injection Date: 10/07/14
Calibration Date: 10/04/14 11:28
Sequence: 4J08019

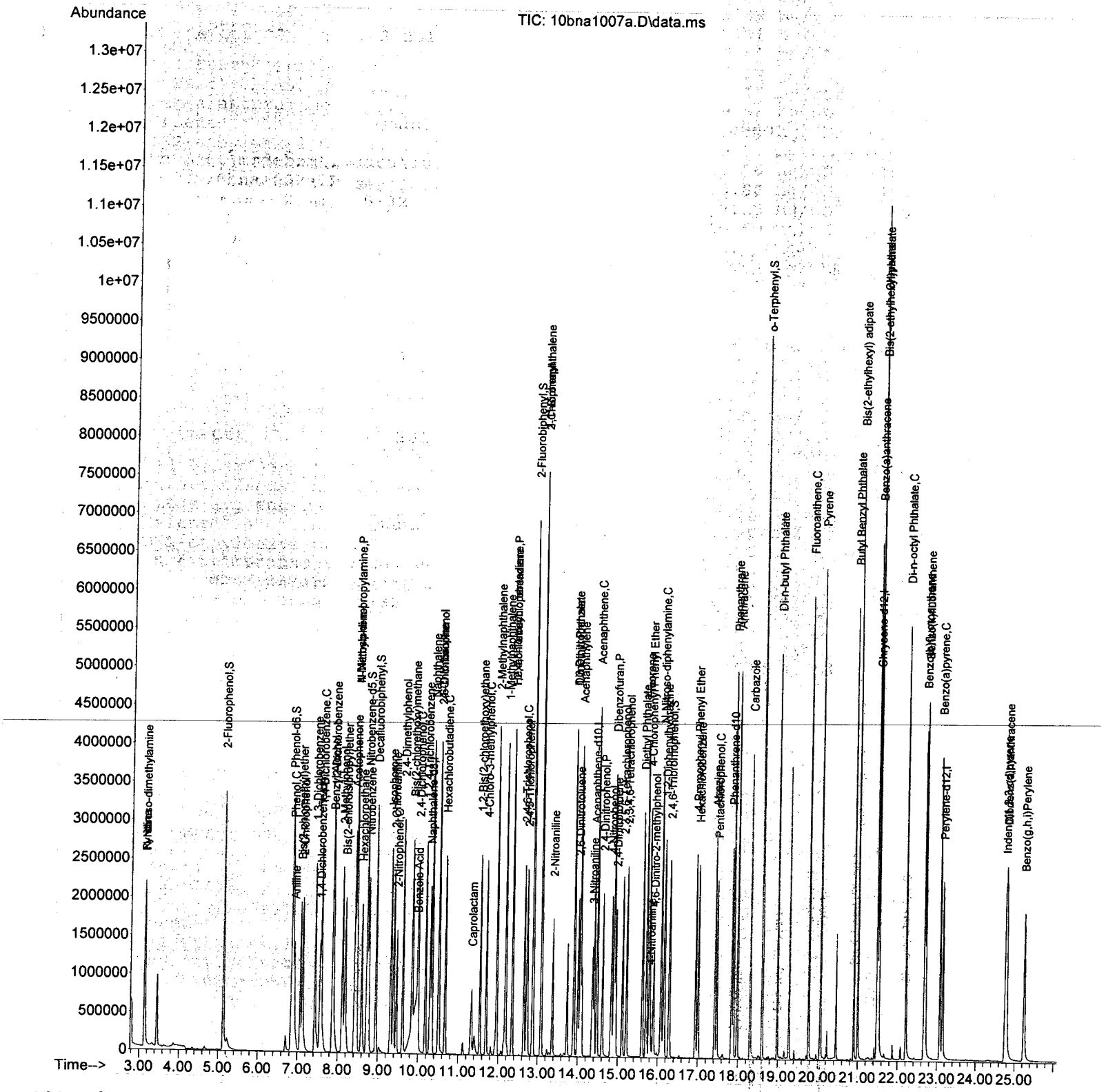
SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1007a.D
Injection Time: 15:32
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	9.50	1.186095	1.127307	0.6	-5.0	20
1,2,4-Trichlorobenzene	A	10.0	9.83	0.2893276	0.284436	0.01	-1.7	20
2,4,5-Trichlorophenol	A	10.0	10.2	0.299758	0.3063021	0.2	2.2	20
2,4,6-Trichlorophenol	A	10.0	10.1	0.2865524	0.2901352	0.2	1.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 10bna1007a.D
Acq On : 7 Oct 2014 15:32
Operator : JLB
Sample : 10bna1007a
Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 16:02:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\100714a_339\
Data File : 10bna1007a.D
Acq On : 7 Oct 2014 15:32
Operator : JLB
Sample : 10bna1007a
ALS Vial : 2 Sample Multiplier: 1

Inst : 339

Quant Time: Oct 07 16:02:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.550	152	480631	5.00 ng/uL	# 0.00
20) Naphthalene-d8	10.295	136	1810548	5.00 ng/uL	0.00
42) Acenaphthene-d10	14.404	164	1045964	5.00 ng/uL	0.00
66) Phenanthrene-d10	17.837	188	1693318	5.00 ng/uL	0.00
81) Chrysene-d12	21.492	240	1422449	5.00 ng/uL	# 0.00
89) Perylene-d12	23.147	264	1259210	5.00 ng/uL	# 0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.137	112	2098840	19.11 ng/uL	0.00
6) Phenol-d6	6.856	99	2714996	19.10 ng/uL	0.00
21) Nitrobenzene-d5	8.727	82	2207087	19.07 ng/uL	0.00
23) Decafluorobiphenyl	8.949	334	1543054	19.02 ng/uL	0.00
47) 2-Fluorobiphenyl	12.877	172	4002558	18.52 ng/uL	0.00
70) 2,4,6-Tribromophenol	16.293	330	510527	19.88 ng/uL	0.00
78) o-Terphenyl	18.612	230	2638934	18.18 ng/uL	0.00
Target Compounds					Qvalue
2) N-Nitroso-dimethylamine	3.143	74	625522m	8.81 ng/uL	
3) Pyridine	3.132	79	1162642	9.56 ng/uL	85
5) Aniline	6.920	93	1185301	10.09 ng/uL	91
7) Phenol	6.885	94	1577943	9.77 ng/uL	93
8) Bis(2-chloroethyl)ether	7.072	93	1294412	9.51 ng/uL	92
9) 2-Chlorophenol	7.124	128	1252396	9.77 ng/uL#	36
10) 1,3-Dichlorobenzene	7.433	146	1329054	9.57 ng/uL	98
11) 1,4-Dichlorobenzene	7.591	146	1340177	9.60 ng/uL	97
12) 1,2-Dichlorobenzene	7.888	146	1239012	9.51 ng/uL	95
13) Bis(2-chloroisipropyl)...	8.185	45	1986169	9.18 ng/uL	98
14) Benzyl Alcohol	7.864	108	826121	10.00 ng/uL	85
15) 2-Methylphenol	8.109	108	1113683	9.70 ng/uL	96
16) Acetophenone	8.418	105	1670032	9.64 ng/uL	91
17) Hexachloroethane	8.593	119	492058	9.50 ng/uL	96
18) 4-Methylphenol	8.459	108	1115037	9.75 ng/uL#	49
19) N-Nitroso-di-n-propyla...	8.459	70	839971	9.69 ng/uL#	79
22) Nitrobenzene	8.768	77	1217114	9.63 ng/uL#	1
24) Isophorone	9.316	82	2290780	9.84 ng/uL	97
25) 2-Chloroaniline	9.392	127	1500288	10.12 ng/uL	98
26) 2-Nitrophenol	9.462	139	629807	10.47 ng/uL#	83
27) 2,4-Dimethylphenol	9.619	107	1131546	9.70 ng/uL#	65
28) Bis(2-chlorethoxy)methane	9.852	93	1389655	9.85 ng/uL	97
29) 2,4-Dichlorophenol	9.998	162	945742	10.29 ng/uL	99
30) Benzoic Acid	9.974	105	1808446	20.67 ng/uL	97
31) 1,2,4-Trichlorobenzene	10.184	180	1029970	9.83 ng/uL	98
32) Naphthalene	10.342	128	3492726	9.66 ng/uL	99
33) 4-Chloroaniline	10.511	127	1080056	ab ~~12.20~~ ng/uL#	83
34) 2,6-Dichlorophenol	10.517	162	918022	10.05 ng/uL	96
35) Hexachlorobutadiene	10.668	225	554864	9.71 ng/uL	98
36) Caprolactam	11.338	55	570697	10.95 ng/uL#	75
37) 1,2-Bis(2-chloroethoxy...	11.542	63	1177897	9.97 ng/uL#	100
38) 4-Chloro-3-methylphenol	11.700	107	1020392	10.07 ng/uL	93
39) 2-Methylnaphthalene	11.962	142	2251827	9.78 ng/uL	99
40) 1-Methylnaphthalene	12.183	142	2048930	9.78 ng/uL	100
41) 1,3 Dinitrobenzene	13.909	168	388563	10.37 ng/uL	100

ASC 10/9/14

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 10bna1007a.D
Acq On : 7 Oct 2014 15:32
Operator : JLB
Sample : 10bna1007a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

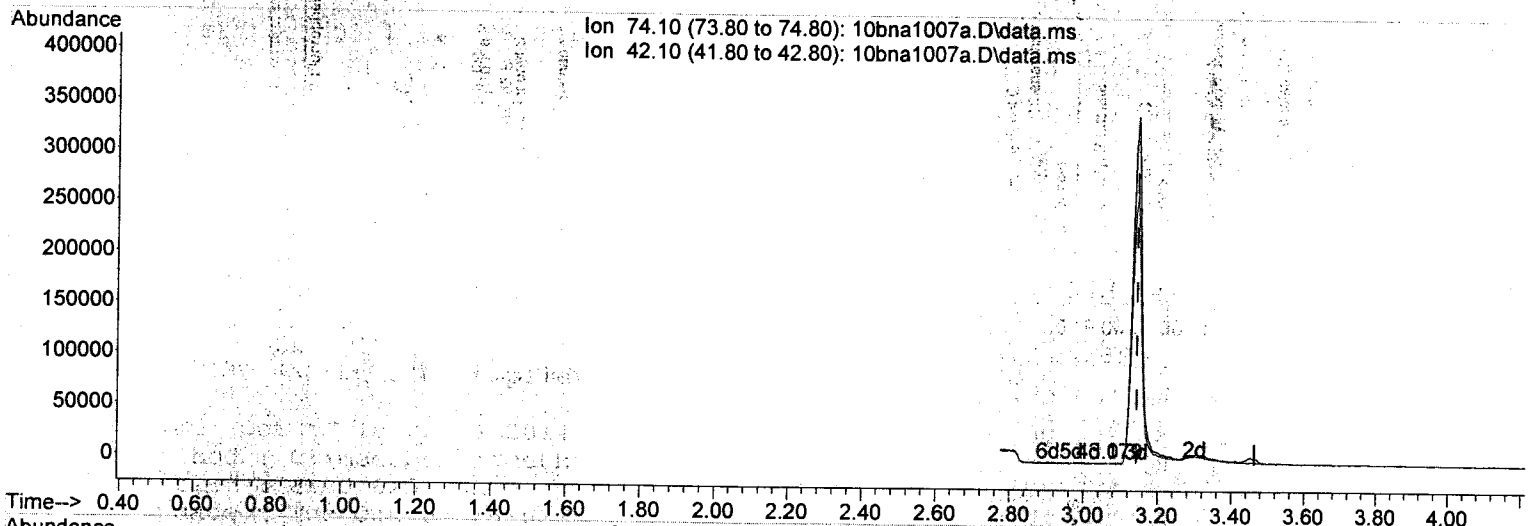
Quant Time: Oct 07 16:02:24 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

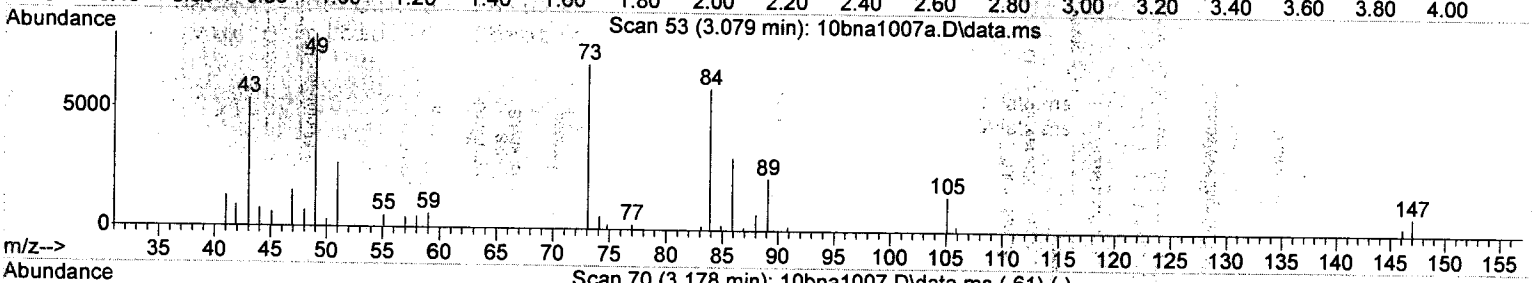
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.353	216	876853	9.47 ng/uL	98
44) Hexachlorocyclopentadiene	12.347	237	484552	9.42 ng/uL	98
45) 2,4,6-Trichlorophenol	12.650	196	606942	10.13 ng/uL	95
46) 2,4,5-Trichlorophenol	12.714	196	640762	10.22 ng/uL	93
48) 2-Chloronaphthalene	13.093	162	1901574	9.39 ng/uL	94
49) 1,1'-Biphenyl	13.087	154	2579818	9.36 ng/uL	96
50) 2-Nitroaniline	13.378	138	725674	ab ~~10.60~~ ng/uL	97
51) Acenaphthylene	14.060	152	3253831	9.70 ng/uL#	80
52) 2,6-Dinitrotoluene	14.008	165	549316	10.17 ng/uL	93
53) Dimethyl Phthalate	13.909	163	2248821	9.94 ng/uL	98
54) 3-Nitroaniline	14.363	138	470915	ab ~~9.93~~ ng/uL#	1
55) Acenaphthene	14.486	153	2103347	9.53 ng/uL	98
56) 2,4-Dinitrophenol	14.620	184	567219	20.09 ng/uL	91
57) Dibenzofuran	14.905	168	2794567	9.76 ng/uL	98
58) 4-Nitrophenol	14.841	65	854772	20.04 ng/uL	100
59) 2,4-Dinitrotoluene	14.946	165	697875	10.30 ng/uL#	85
60) 2,3,5,6-Tetrachlorophenol	15.115	232	553058	10.73 ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.214	232	541238	10.42 ng/uL	97
62) Fluorene	15.716	166	2293599	9.90 ng/uL	97
63) Diethyl Phthalate	15.617	149	2083700	9.77 ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.791	204	1056912	9.88 ng/uL	95
65) 4-Nitroaniline	15.815	138	350076	ab ~~10.22~~ ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.896	198	399459	10.07 ng/uL	99
68) N-Nitroso-diphenylamine	16.083	169	1812053	9.68 ng/uL	99
69) 1,2-Diphenylhydrazine	16.164	182	660688	9.74 ng/uL#	76
71) 4-Bromophenyl Phenyl E...	16.945	248	558718	9.77 ng/uL	98
72) Hexachlorobenzene	17.010	284	588459	9.41 ng/uL	98
73) Atrazine	17.429	200	565913	10.03 ng/uL	99
74) Pentachlorophenol	17.476	266	420642	11.47 ng/uL	96
75) Phenanthrene	17.890	178	3152928	9.62 ng/uL	98
76) Anthracene	17.983	178	3109346	9.83 ng/uL	99
77) Carbazole	18.309	167	2661595	9.75 ng/uL	98
79) Di-n-butyl Phthalate	18.991	149	3360947	10.32 ng/uL	99
80) Fluoroanthene	19.772	202	3095610	9.90 ng/uL	94
82) Pyrene	20.064	202	3207074	9.50 ng/uL	99
83) Butyl Benzyl Phthalate	20.897	149	1408444	10.57 ng/uL	88
84) Bis(2-ethylhexyl) adipate	20.996	129	1332144	10.15 ng/uL#	100
85) Benzo(a)anthracene	21.480	228	2587206	9.98 ng/uL	99
86) Chrysene	21.521	228	2406253	9.50 ng/uL#	89
87) Bis(2-ethylhexyl)phtha...	21.527	149	1733820	10.16 ng/uL	92
88) Di-n-octyl Phthalate	22.203	149	3199764	10.56 ng/uL	100
90) Benzo(b)fluoroanthene	22.669	252	2487780	10.88 ng/uL	100
91) Benzo(k)fluoranthene	22.704	252	2370877	9.18 ng/uL	96
92) Benzo(a)pyrene	23.077	252	2287441	10.60 ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.762	276	2150733	11.52 ng/uL	89
94) Dibdenz(a,h)anthracene	24.791	278	1803592	11.83 ng/uL#	90
95) Benzo(g,h,i)Perylene	25.251	276	1826047	11.35 ng/uL	95

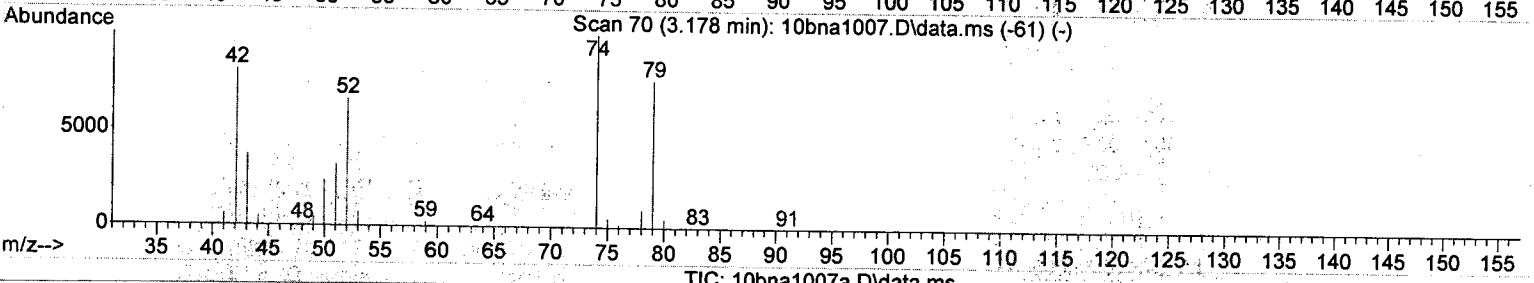
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 10bna1007a.D
Acq On : 7 Oct 2014 15:32
Operator : JLB
Sample : 10bna1007a
Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 16:02:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 10bna1007a.D\data.ms

(2) N-Nitroso-dimethylamine

3.079min (-0.064) 0.00 ng/uL

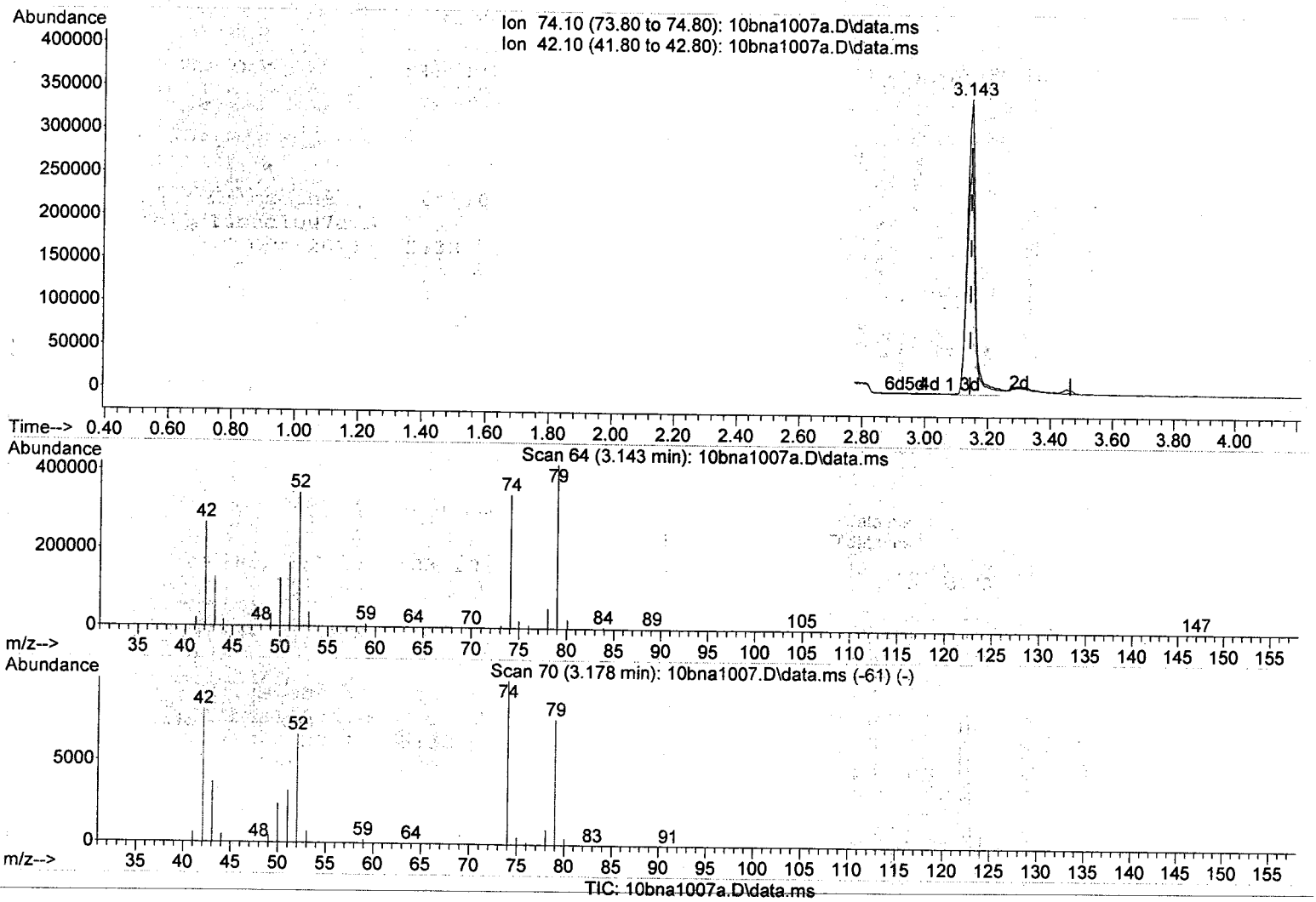
response 244

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	102.05
0.00	0.00	0.00
0.00	0.00	0.00

JW 10/8/14

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 10bna1007a.D
Acq On : 7 Oct 2014 15:32
Operator : JLB
Sample : 10bna1007a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 16:02:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 10bna1007a.D\data.ms

(2) N-Nitroso-dimethylamine

3.143min (0.000) 8.81 ng/uL m

response 625522

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	0.04#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No Date: 10/8/14

Analyst: JLB Date: 10/9/14

Reviewed By: ACC

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J08019-CCV2
Injection Date: 10/07/14
Calibration Date: 10/04/14 11:28
Sequence: 4J08019

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1007a.D
Injection Time: 16:04
Calibration: 4J06006
Instrument ID: 339

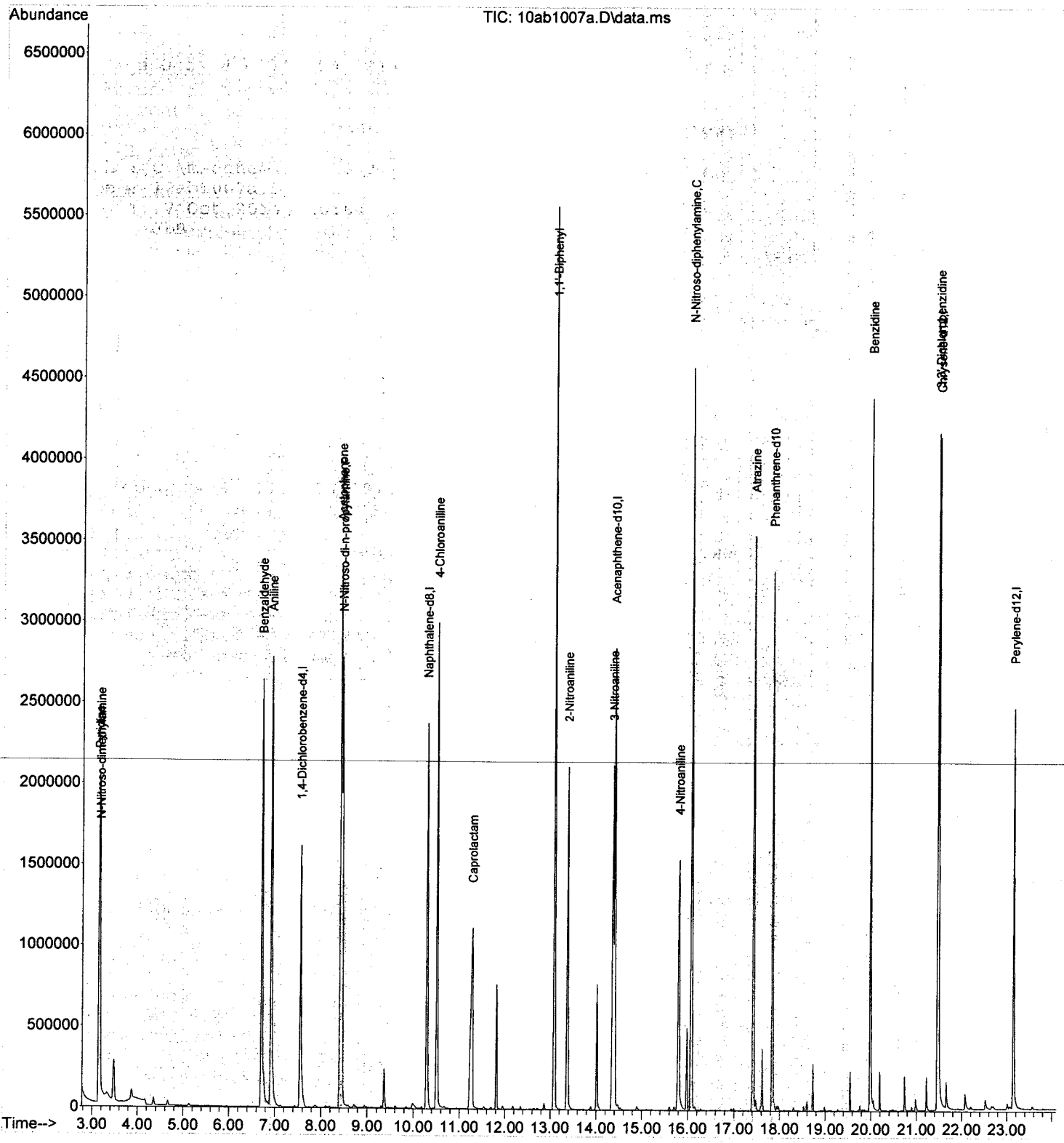
Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	10.5	0.3678384	0.4275725	0.01	5.3	20
3,3′-Dichlorobenzidine	A	10.0	11.1	0.2873976	0.319313	0.01	11.1	20
4-Nitroaniline	L	10.0	10.8	0.2482629	0.2831252	0.01	8.0	20
2-Nitroaniline	L	10.0	10.5	0.3358017	0.3708369	0.01	4.7	20
3-Nitroaniline	L	10.0	10.6	0.2883083	0.3164795	0.01	5.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 10ab1007a.D
Acq On : 7 Oct 2014 16:04
Operator : JLB
Sample : 10ab1007a Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 07:45:46 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration



004184

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 10ab1007a.D
Acq On : 7 Oct 2014 16:04
Operator : JLB
Sample : 10ab1007a Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 07:45:46 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.556	152	529834	5.00	ng/uL	#-0.02
8) Naphthalene-d8	10.289	136	2027049	5.00	ng/uL	-0.02
11) Acenaphthene-d10	14.398	164	1148068	5.00	ng/uL	-0.02
16) Phenanthrene-d10	17.837	188	1892711	5.00	ng/uL	-0.02
19) Chrysene-d12	21.486	240	1642097	5.00	ng/uL	#-0.01
22) Perylene-d12	23.147	264	1419694	5.00	ng/uL	#-0.02
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.167	74	817439	9.73	ng/uL#	79
3) Pyridine	3.143	79	1423374	9.63	ng/uL	84
4) Aniline	6.920	93	2220612	9.80	ng/uL	94
5) Benzaldehyde	6.710	105	1121548	9.64	ng/uL#	1
6) Acetophenone	8.412	105	1972074	9.77	ng/uL	89
7) N-Nitroso-di-n-propyla...	8.447	70	1000562	9.82	ng/uL#	78
9) 4-Chloroaniline	10.511	127	1733421	10.53	ng/uL#	43
10) Caprolactam	11.280	55	700971	10.78	ng/uL	97
12) 1,1'-Biphenyl	13.087	154	3291438	9.60	ng/uL	96
13) 2-Nitroaniline	13.378	138	851492	10.47	ng/uL	97
14) 3-Nitroaniline	14.363	138	726680	10.59	ng/uL#	1
15) 4-Nitroaniline	15.809	138	650094	10.80	ng/uL#	1
17) N-Nitroso-diphenylamine	16.077	169	2175483	9.87	ng/uL	97
18) Atrazine	17.429	200	752514	10.75	ng/uL	99
20) Benzidine	19.988	184	2187070	9.67	ng/uL	96
21) 3,3'-Dichlorobenzidine	21.457	252	1048686	11.11	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ASC 10/9/14

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J08051-CCV1
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J08051

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1008.D
Injection Time: 08:18
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.63	1.055312	1.015779	0.9	-3.7	20
Acenaphthylene	A	10.0	9.68	1.602723	1.551545	0.9	-3.2	20
Anthracene	A	10.0	9.82	0.9344171	0.9179637	0.7	-1.8	20
Benzo(a)anthracene	A	10.0	10.2	0.9113378	0.9323018	0.8	2.3	20
Benzo(a)pyrene	A	10.0	10.5	0.8566272	0.9011156	0.7	5.2	20
Benzo(b)fluoranthene	A	10.0	11.0	0.9083445	1.001679	0.7	10.3	20
Benzo(k)fluoranthene	A	10.0	8.80	1.026063	0.9033839	0.7	-12.0	20
Benzo(g,h,i)perylene	A	10.0	11.1	0.6387196	0.7101787	0.5	11.2	20
Benzoic Acid	L	20.0	18.8	0.2268224	0.2234455	0.01	-6.2	20
Benzyl Alcohol	A	10.0	9.59	0.859675	0.8241354	0.01	-4.1	20
4-Bromophenyl Phenyl Ether	A	10.0	9.91	0.1689127	0.1673679	0.1	-0.9	20
Butyl Benzyl Phthalate	A	10.0	11.0	0.4682775	0.5157814	0.01	10.1	20
Carbazole	A	10.0	9.41	0.8059797	0.7581764	0.01	-5.9	20
4-Chloro-3-methylphenol	A	10.0	9.69	0.2797675	0.2709908	0.2	-3.1	20
Bis(2-chloroethoxy)methane	A	10.0	9.49	0.3898008	0.370061	0.3	-5.1	20
Bis(2-chloroethyl) Ether	A	10.0	9.36	1.415296	1.325409	0.7	-6.4	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.12	2.250618	2.053004	0.01	-8.8	20
2-Chloronaphthalene	A	10.0	9.55	0.9680318	0.9243758	0.8	-4.5	20
2-Chlorophenol	A	10.0	9.73	1.333337	1.297831	0.8	-2.7	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.33	0.5112369	0.4772227	0.4	-6.7	20
Chrysene	A	10.0	9.63	0.8904179	0.8577389	0.7	-3.7	20
Dibenz(a,h)anthracene	A	10.0	11.6	0.6055826	0.7006662	0.4	15.7	20
Dibenzofuran	A	10.0	9.40	1.36941	1.286869	0.8	-6.0	20
Di-n-butyl Phthalate	A	10.0	9.75	0.9619959	0.9381398	0.01	-2.5	20
1,4-Dichlorobenzene	A	10.0	9.58	1.451559	1.390633	0.01	-4.2	20
1,2-Dichlorobenzene	A	10.0	9.58	1.355521	1.298473	0.01	-4.2	20
1,3-Dichlorobenzene	A	10.0	9.66	1.444903	1.396244	0.01	-3.4	20
2,4-Dichlorophenol	A	10.0	10.1	0.2539136	0.2573963	0.2	1.4	20
Diethyl Phthalate	A	10.0	9.39	1.019087	0.9569653	0.01	-6.1	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J08051-CCV1
Lab File ID: 10bna1008.D
Injection Date: 10/08/14
Injection Time: 08:18
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J08051
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.51	0.3221636	0.3064947	0.2	-4.9	20
Dimethyl Phthalate	A	10.0	9.65	1.081514	1.043683	0.01	-3.5	20
4,6-Dinitro-2-methylphenol	L	10.0	9.78	9.711342E-02	0.1140778	0.01	-2.2	20
2,4-Dinitrophenol	L	20.0	18.4	0.1272305	0.1221271	0.01	-8.1	20
2,6-Dinitrotoluene	A	10.0	9.89	0.2581995	0.2554774	0.2	-1.1	20
2,4-Dinitrotoluene	A	10.0	9.61	0.3239502	0.3114731	0.2	-3.9	20
Di-n-octyl Phthalate	L	10.0	11.0	0.9447342	1.169023	0.01	9.6	20
1,2-Diphenylhydrazine	A	10.0	9.86	0.2003691	0.1974997	0.01	-1.4	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.9	0.5996469	0.6530525	0.01	8.9	20
Fluoranthene	A	10.0	9.14	0.9237645	0.8439653	0.6	-8.6	20
Fluorene	A	10.0	9.48	1.107485	1.049542	0.9	-5.2	20
Hexachlorobenzene	A	10.0	10.1	0.1846747	0.1859236	0.1	0.7	20
Hexachlorobutadiene	A	10.0	9.95	0.1578851	0.1570408	0.01	-0.5	20
Hexachloroethane	A	10.0	9.84	0.5390411	0.5302832	0.3	-1.6	20
Indeno(1,2,3-cd)pyrene	A	10.0	11.5	0.7411104	0.8517881	0.5	14.9	20
Isophorone	A	10.0	9.92	0.6426017	0.6374838	0.4	-0.8	20
2-Methylnaphthalene	A	10.0	9.58	0.6357622	0.6087769	0.4	-4.2	20
3+4-Methylphenol	A	10.0	9.40	1.190003	1.118679	0.6	-6.0	20
2-Methylphenol	A	10.0	9.40	1.194064	1.122029	0.7	-6.0	20
Naphthalene	A	10.0	9.57	0.9981756	0.955627	0.4	-4.3	20
Nitrobenzene	A	10.0	9.33	0.349211	0.3259417	0.2	-6.7	20
2-Nitrophenol	A	10.0	10.2	0.1660685	0.1686417	0.1	1.5	20
4-Nitrophenol	A	20.0	16.5	0.2039171	0.1678459	0.01	-17.7	20
N-Nitroso-dimethylamine	A	10.0	8.41	0.7385079	0.6208877	0.01	-15.9	20
N-Nitroso-diphenylamine	A	10.0	9.76	0.5529454	0.5396569	0.01	-2.4	20
N-Nitroso-di-n-propylamine	A	10.0	9.39	0.9015026	0.8466776	0.01	-6.1	20
Pentachlorophenol	A	10.0	11.1	0.108286	0.1203655	0.05	11.2	20
Phenanthrene	A	10.0	9.71	0.9682669	0.9400729	0.7	-2.9	20
Phenol	A	10.0	9.38	1.680502	1.575766	0.8	-6.2	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J08051-CCV1
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J08051

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1008.D
Injection Time: 08:18
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	10.3	1.186095	1.223498	0.6	3.2	20
1,2,4-Trichlorobenzene	A	10.0	9.94	0.2893276	0.2877009	0.01	-0.6	20
2,4,5-Trichlorophenol	A	10.0	10.2	0.299758	0.3070547	0.2	2.4	20
2,4,6-Trichlorophenol	A	10.0	10.6	0.2865524	0.304104	0.2	6.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J09008-CCV1
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J09008

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1008.D
Injection Time: 08:18
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.63	1.055312	1.015779	0.9	-3.7	20
Acenaphthylene	A	10.0	9.68	1.602723	1.551545	0.9	-3.2	20
Anthracene	A	10.0	9.82	0.9344171	0.9179637	0.7	-1.8	20
Benzo(a)anthracene	A	10.0	10.2	0.9113378	0.9323018	0.8	2.3	20
Benzo(a)pyrene	A	10.0	10.5	0.8566272	0.9011156	0.7	5.2	20
Benzo(b)fluoranthene	A	10.0	11.0	0.9083445	1.001679	0.7	10.3	20
Benzo(k)fluoranthene	A	10.0	8.80	1.026063	0.9033839	0.7	-12.0	20
Benzo(g,h,i)perylene	A	10.0	11.1	0.6387196	0.7101787	0.5	11.2	20
Benzoic Acid	L	20.0	18.8	0.2268224	0.2234455	0.01	-6.2	20
Benzyl Alcohol	A	10.0	9.59	0.859675	0.8241354	0.01	-4.1	20
4-Bromophenyl Phenyl Ether	A	10.0	9.91	0.1689127	0.1673679	0.1	-0.9	20
Butyl Benzyl Phthalate	A	10.0	11.0	0.4682775	0.5157814	0.01	10.1	20
Carbazole	A	10.0	9.41	0.8059797	0.7581764	0.01	-5.9	20
4-Chloro-3-methylphenol	A	10.0	9.69	0.2797675	0.2709908	0.2	-3.1	20
Bis(2-chloroethoxy)methane	A	10.0	9.49	0.3898008	0.370061	0.3	-5.1	20
Bis(2-chloroethyl) Ether	A	10.0	9.36	1.415296	1.325409	0.7	-6.4	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.12	2.250618	2.053004	0.01	-8.8	20
2-Chloronaphthalene	A	10.0	9.55	0.9680318	0.9243758	0.8	-4.5	20
2-Chlorophenol	A	10.0	9.73	1.333337	1.297831	0.8	-2.7	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.33	0.5112369	0.4772227	0.4	-6.7	20
Chrysene	A	10.0	9.63	0.8904179	0.8577389	0.7	-3.7	20
Dibenz(a,h)anthracene	A	10.0	11.6	0.6055826	0.7006662	0.4	15.7	20
Dibenzofuran	A	10.0	9.40	1.36941	1.286869	0.8	-6.0	20
Di-n-butyl Phthalate	A	10.0	9.75	0.9619959	0.9381398	0.01	-2.5	20
1,4-Dichlorobenzene	A	10.0	9.58	1.451559	1.390633	0.01	-4.2	20
1,2-Dichlorobenzene	A	10.0	9.58	1.355521	1.298473	0.01	-4.2	20
1,3-Dichlorobenzene	A	10.0	9.66	1.444903	1.396244	0.01	-3.4	20
2,4-Dichlorophenol	A	10.0	10.1	0.2539136	0.2573963	0.2	1.4	20
Diethyl Phthalate	A	10.0	9.39	1.019087	0.9569653	0.01	-6.1	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J09008-CCV1
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J09008

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1008.D
Injection Time: 08:18
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.51	0.3221636	0.3064947	0.2	-4.9	20
Dimethyl Phthalate	A	10.0	9.65	1.081514	1.043683	0.01	-3.5	20
4,6-Dinitro-2-methylphenol	L	10.0	9.78	9.711342E-02	0.1140778	0.01	-2.2	20
2,4-Dinitrophenol	L	20.0	18.4	0.1272305	0.1221271	0.01	-8.1	20
2,6-Dinitrotoluene	A	10.0	9.89	0.2581995	0.2554774	0.2	-1.1	20
2,4-Dinitrotoluene	A	10.0	9.61	0.3239502	0.3114731	0.2	-3.9	20
Di-n-octyl Phthalate	L	10.0	11.0	0.9447342	1.169023	0.01	9.6	20
1,2-Diphenylhydrazine	A	10.0	9.86	0.2003691	0.1974997	0.01	-1.4	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.9	0.5996469	0.6530525	0.01	8.9	20
Fluoranthene	A	10.0	9.14	0.9237645	0.8439653	0.6	-8.6	20
Fluorene	A	10.0	9.48	1.107485	1.049542	0.9	-5.2	20
Hexachlorobenzene	A	10.0	10.1	0.1846747	0.1859236	0.1	0.7	20
Hexachlorobutadiene	A	10.0	9.95	0.1578851	0.1570408	0.01	-0.5	20
Hexachloroethane	A	10.0	9.84	0.5390411	0.5302832	0.3	-1.6	20
Indeno(1,2,3-cd)pyrene	A	10.0	11.5	0.7411104	0.8517881	0.5	14.9	20
Isophorone	A	10.0	9.92	0.6426017	0.6374838	0.4	-0.8	20
2-Methylnaphthalene	A	10.0	9.58	0.6357622	0.6087769	0.4	-4.2	20
3+4-Methylphenol	A	10.0	9.40	1.190003	1.118679	0.6	-6.0	20
2-Methylphenol	A	10.0	9.40	1.194064	1.122029	0.7	-6.0	20
Naphthalene	A	10.0	9.57	0.9981756	0.955627	0.4	-4.3	20
Nitrobenzene	A	10.0	9.33	0.349211	0.3259417	0.2	-6.7	20
2-Nitrophenol	A	10.0	10.2	0.1660685	0.1686417	0.1	1.5	20
4-Nitrophenol	A	20.0	16.5	0.2039171	0.1678459	0.01	-17.7	20
N-Nitroso-dimethylamine	A	10.0	8.41	0.7385079	0.6208877	0.01	-15.9	20
N-Nitroso-diphenylamine	A	10.0	9.76	0.5529454	0.5396569	0.01	-2.4	20
N-Nitroso-di-n-propylamine	A	10.0	9.39	0.9015026	0.8466776	0.01	-6.1	20
Pentachlorophenol	A	10.0	11.1	0.108286	0.1203655	0.05	11.2	20
Phenanthrene	A	10.0	9.71	0.9682669	0.9400729	0.7	-2.9	20
Phenol	A	10.0	9.38	1.680502	1.575766	0.8	-6.2	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J09008-CCV1
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J09008

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1008.D
Injection Time: 08:18
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	10.3	1.186095	1.223498	0.6	3.2	20
1,2,4-Trichlorobenzene	A	10.0	9.94	0.2893276	0.2877009	0.01	-0.6	20
2,4,5-Trichlorophenol	A	10.0	10.2	0.299758	0.3070547	0.2	2.4	20
2,4,6-Trichlorophenol	A	10.0	10.6	0.2865524	0.304104	0.2	6.1	20

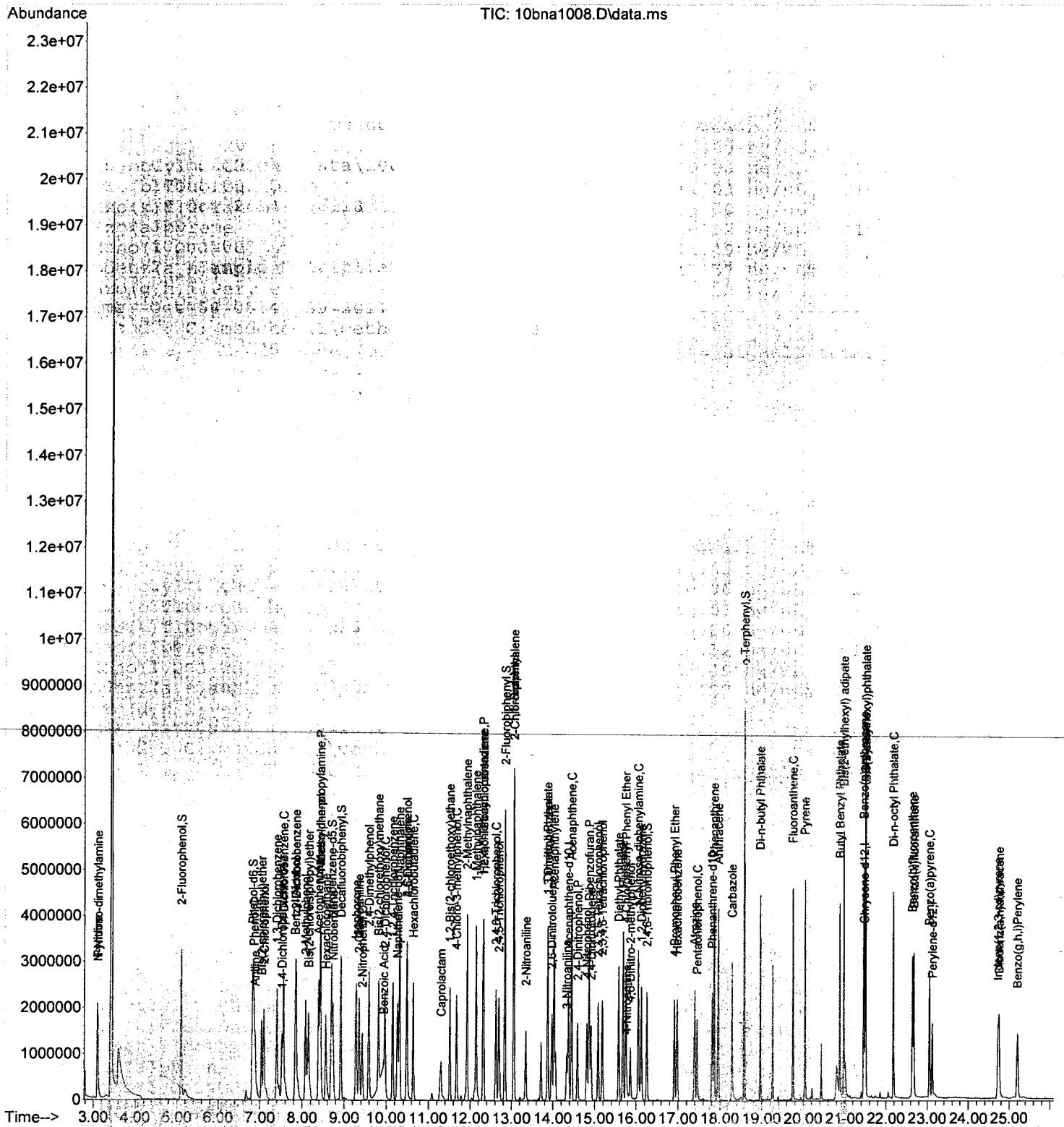
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 10bna1008.D
Acq On : 8 Oct 2014 8:18
Operator : JLBren
Sample : 10bna1008 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 08:47:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:46:48 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 10bna1008.D
Acq On : 8 Oct 2014 8:18
Operator : JLB
Sample : 10bna1008 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 08:47:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:46:48 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.521	152	479656	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.266	136	1774256	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.375	164	961306	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.814	188	1408078	5.00	ng/uL	0.00
81) Chrysene-d12	21.474	240	1007893	5.00	ng/uL	# 0.00
89) Perylene-d12	23.124	264	872008	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.107	112	1758962	16.05	ng/uL	0.00
6) Phenol-d6	6.827	99	2640786	18.62	ng/uL	0.00
21) Nitrobenzene-d5	8.698	82	2122391	18.71	ng/uL	0.00
23) Decafluorobiphenyl	8.925	334	1575320	19.81	ng/uL	0.00
47) 2-Fluorobiphenyl	12.848	172	3803740	19.15	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.258	330	444001	20.79	ng/uL	0.00
78) o-Terphenyl	18.583	230	2269427	18.80	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.108	74	595625m	8.41	ng/uL	
3) Pyridine	3.102	79	1004711	8.28	ng/uL#	74
5) Aniline	6.885	93	1097165	9.38	ng/uL#	78
7) Phenol	6.856	94	1511651	9.38	ng/uL	93
8) Bis(2-chloroethyl)ether	7.043	93	1271481	9.36	ng/uL	97
9) 2-Chlorophenol	7.095	128	1245025	9.73	ng/uL#	37
10) 1,3-Dichlorobenzene	7.398	146	1339434	9.66	ng/uL	93
11) 1,4-Dichlorobenzene	7.556	146	1334051	9.58	ng/uL	91
12) 1,2-Dichlorobenzene	7.853	146	1245641	9.58	ng/uL	96
13) Bis(2-chloroisipropyl)...	8.156	45	1969471	9.12	ng/uL	98
14) Benzyl Alcohol	7.835	108	790603	9.59	ng/uL	86
15) 2-Methylphenol	8.080	108	1076376	9.40	ng/uL	97
16) Acetophenone	8.389	105	1599336	9.25	ng/uL	86
17) Hexachloroethane	8.558	119	508707	9.84	ng/uL	98
18) 4-Methylphenol	8.430	108	1073162	9.40	ng/uL#	50
19) N-Nitroso-di-n-propyla...	8.424	70	812228	9.39	ng/uL#	78
22) Nitrobenzene	8.739	77	1156608	9.33	ng/uL#	1
24) Isophorone	9.287	82	2262119	9.92	ng/uL	97
25) 2-Chloroaniline	9.357	127	1441871	9.93	ng/uL	97
26) 2-Nitrophenol	9.432	139	598427	10.15	ng/uL#	84
27) 2,4-Dimethylphenol	9.590	107	1087600	9.51	ng/uL#	69
28) Bis(2-chloroethoxy)methane	9.817	93	1313166	9.49	ng/uL	97
29) 2,4-Dichlorophenol	9.969	162	913374	10.14	ng/uL	100
30) Benzoic Acid	9.939	105	1585798	18.76	ng/uL	97
31) 1,2,4-Trichlorobenzene	10.155	180	1020910	9.94	ng/uL	97
32) Naphthalene	10.312	128	3391054	9.57	ng/uL	99
33) 4-Chloroaniline	10.487	127	904882	10.43	ng/uL#	71
34) 2,6-Dichlorophenol	10.487	162	887692	9.92	ng/uL	95
35) Hexachlorobutadiene	10.639	225	557261	9.95	ng/uL	98
36) Caprolactam	11.303	55	494776	9.69	ng/uL	98
37) 1,2-Bis(2-chloroethoxy...	11.513	63	1055769	9.12	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.671	107	961614	9.69	ng/uL	92
39) 2-Methylnaphthalene	11.927	142	2160252	9.58	ng/uL	99
40) 1-Methylnaphthalene	12.149	142	1969914	9.60	ng/uL	100
41) 1,3 Dinitrobenzene	13.880	168	332767	9.05	ng/uL	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 10bna1008.D
Acq On : 8 Oct 2014 8:18
Operator : JLB
Sample : 10bna1008 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 08:47:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:46:48 2014
Response via : Initial Calibration

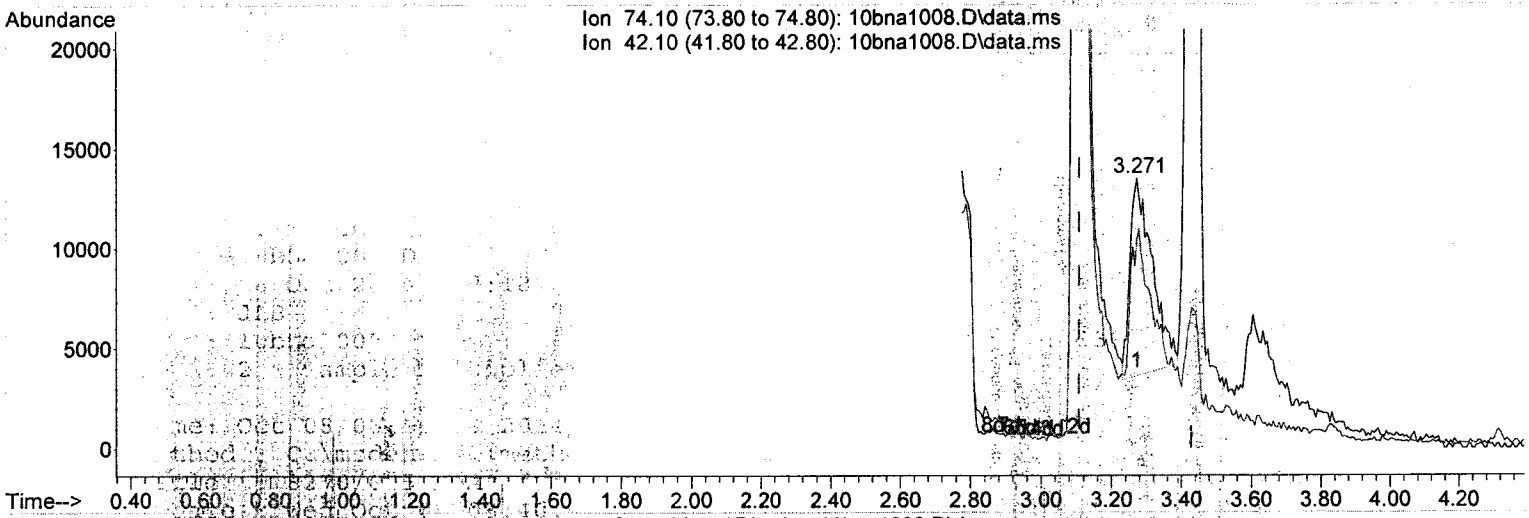
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.323	216	857139	10.07	ng/uL	98
44) Hexachlorocyclopentadiene	12.318	237	436553	9.23	ng/uL	98
45) 2,4,6-Trichlorophenol	12.621	196	584674	10.61	ng/uL	96
46) 2,4,5-Trichlorophenol	12.691	196	590347	10.24	ng/uL	93
48) 2-Chloronaphthalene	13.064	162	1777216	9.55	ng/uL	94
49) 1,1'-Biphenyl	13.058	154	2402709	9.48	ng/uL	96
50) 2-Nitroaniline	13.349	138	620190	9.86	ng/uL	96
51) Acenaphthylene	14.031	152	2983019	9.68	ng/uL#	80
52) 2,6-Dinitrotoluene	13.973	165	491184	9.89	ng/uL	93
53) Dimethyl Phthalate	13.874	163	2006598	9.65	ng/uL	98
54) 3-Nitroaniline	14.334	138	340887	7.82	ng/uL#	1
55) Acenaphthene	14.451	153	1952948	9.63	ng/uL	98
56) 2,4-Dinitrophenol	14.597	184	469606	18.38	ng/uL	91
57) Dibenzofuran	14.870	168	2474150	9.40	ng/uL	97
58) 4-Nitrophenol	14.818	65	645405	16.46	ng/uL	100
59) 2,4-Dinitrotoluene	14.917	165	598842	9.61	ng/uL#	86
60) 2,3,5,6-Tetrachlorophenol	15.086	232	485119	10.24	ng/uL	99
61) 2,3,4,6-Tetrachlorophenol	15.185	232	477978	10.02	ng/uL	97
62) Fluorene	15.686	166	2017862	9.48	ng/uL	97
63) Diethyl Phthalate	15.582	149	1839873	9.39	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.756	204	917514	9.33	ng/uL	95
65) 4-Nitroaniline	15.780	138	241416	7.67	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.867	198	321261	9.78	ng/uL	99
68) N-Nitroso-diphenylamine	16.054	169	1519758	9.76	ng/uL	99
69) 1,2-Diphenylhydrazine	16.129	182	556190	9.86	ng/uL#	73
71) 4-Bromophenyl Phenyl E...	16.916	248	471334	9.91	ng/uL	97
72) Hexachlorobenzene	16.980	284	523590	10.07	ng/uL	98
73) Atrazine	17.394	200	459955	9.80	ng/uL	99
74) Pentachlorophenol	17.453	266	338968	11.12	ng/uL	96
75) Phenanthrene	17.861	178	2647392	9.71	ng/uL	98
76) Anthracene	17.960	178	2585129	9.82	ng/uL	99
77) Carbazole	18.286	167	2135143	9.41	ng/uL	98
79) Di-n-butyl Phthalate	18.968	149	2641948	9.75	ng/uL	99
80) Fluoroanthene	19.749	202	2376738	9.14	ng/uL	94
82) Pyrene	20.040	202	2466310	10.32	ng/uL	100
83) Butyl Benzyl Phthalate	20.880	149	1039705	11.01	ng/uL	87
84) Bis(2-ethylhexyl) adipate	20.979	129	1019725	10.96	ng/uL#	100
85) Benzo(a)anthracene	21.463	228	1879321	10.23	ng/uL	99
86) Chrysene	21.498	228	1729018	9.63	ng/uL#	89
87) Bis(2-ethylhexyl)phtha...	21.509	149	1316414	10.89	ng/uL	91
88) Di-n-octyl Phthalate	22.180	149	2356501	10.96	ng/uL	100
90) Benzo(b)fluoroanthene	22.646	252	1746945	11.03	ng/uL	100
91) Benzo(k)fluoranthene	22.681	252	1575516	8.80	ng/uL	96
92) Benzo(a)pyrene	23.054	252	1571560	10.52	ng/uL	100
93) Indeno(1,2,3-cd)pyrene	24.727	276	1485532	11.49	ng/uL	90
94) Dibenz(a,h)anthracene	24.756	278	1221973	11.57	ng/uL#	91
95) Benzo(g,h,i)perylene	25.205	276	1238563	11.12	ng/uL	95

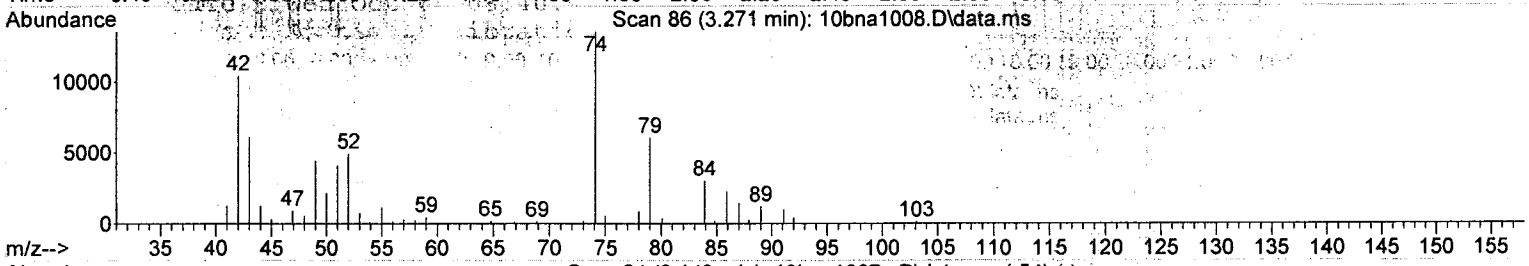
(#) = qualifier out of range (m) = manual integration (+) = signals summed

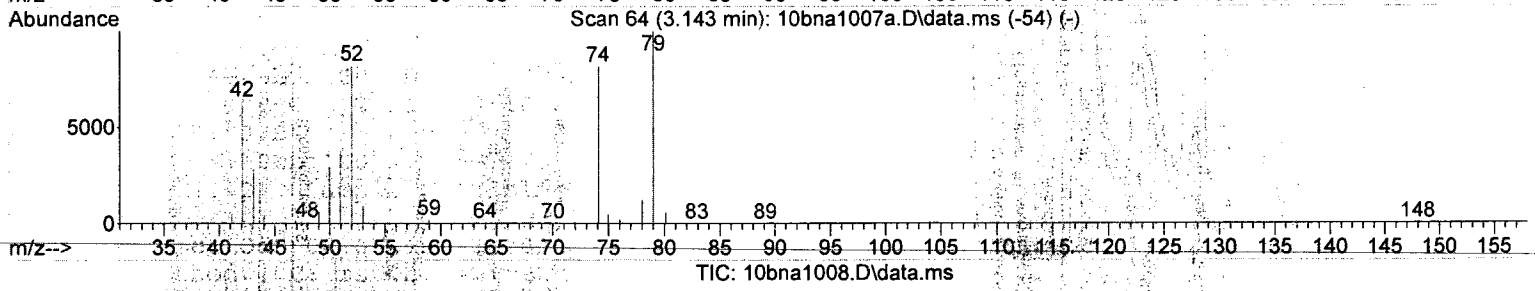
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 10bna1008.D
Acq On : 8 Oct 2014 8:18
Operator : JLB
Sample : 10bna1008 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 08:46:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:46:48 2014
Response via : Initial Calibration







TIC: 10bna1008.D\data.ms

(2) N-Nitroso-dimethylamine

3.271min (+ 0.163) 0.62 ng/uL

response 44001

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	84.10
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/9/14

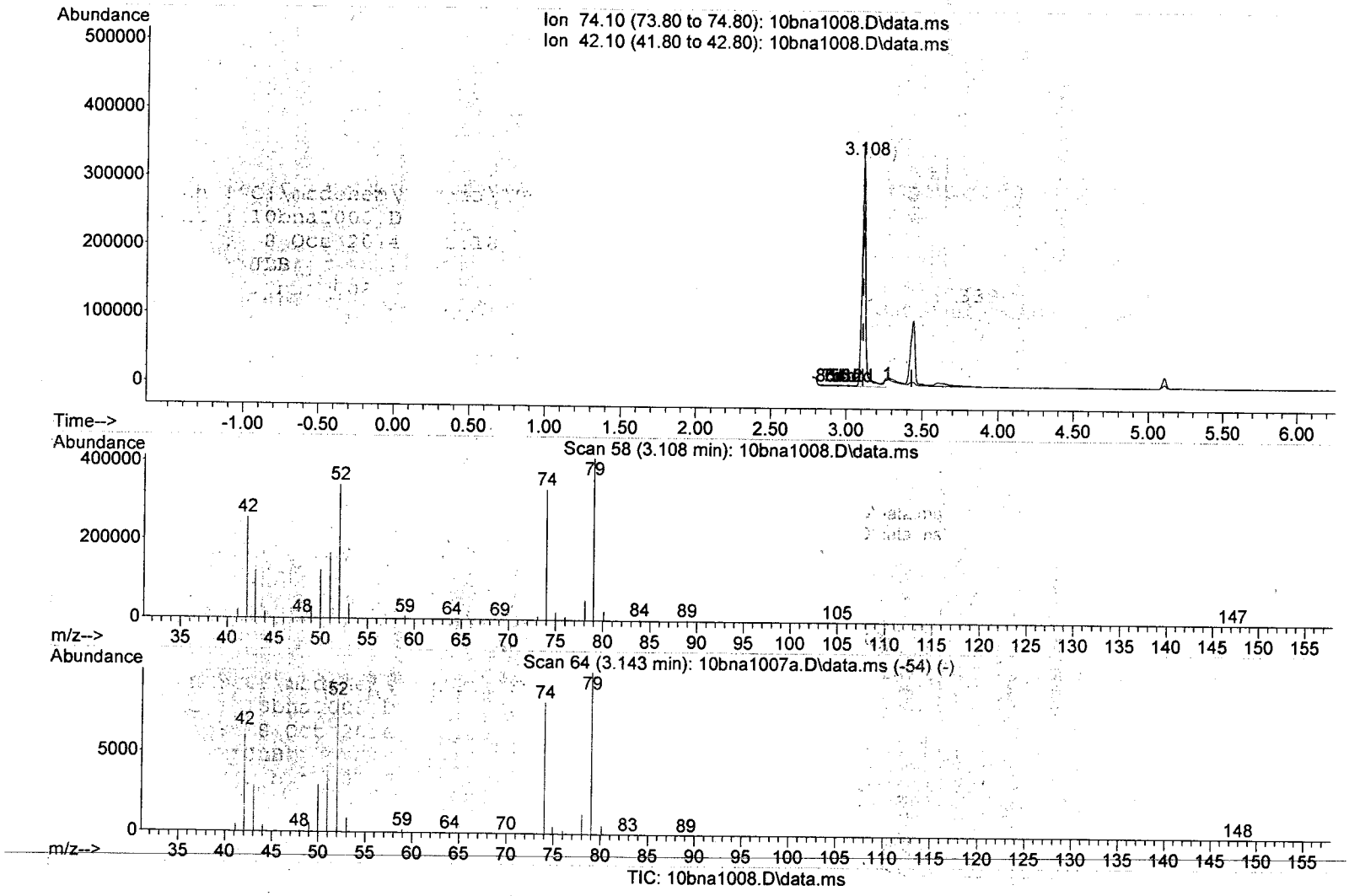
DWG 10-15-14

004195

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 10bna1008.D
Acq On : 8 Oct 2014 8:18
Operator : JLB
Sample : 10bna1008 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 08:46:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 08:46:48 2014
Response via : Initial Calibration



(2) N-Nitroso-dimethylamine

3.108min (0.000) 8.41 ng/uL m

response 595625

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	6.21#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/9/14
Reviewed By: DV Date: 10-15-14

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J08051-CCV2
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J08051

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1008.D
Injection Time: 08:50
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	10.0	0.3678384	0.4067142	0.01	0.2	20
3,3′-Dichlorobenzidine	A	10.0	10.6	0.2873976	0.3045766	0.01	6.0	20
4-Nitroaniline	L	10.0	8.93	0.2482629	0.2342687	0.01	-10.7	20
2-Nitroaniline	L	10.0	9.58	0.3358017	0.3393528	0.01	-4.2	20
3-Nitroaniline	L	10.0	9.13	0.2883083	0.2731139	0.01	-8.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J09008-CCV2
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J09008

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1008.D
Injection Time: 08:50
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	10.0	0.3678384	0.4067142	0.01	0.2	20
3,3´-Dichlorobenzidine	A	10.0	10.6	0.2873976	0.3045766	0.01	6.0	20
4-Nitroaniline	L	10.0	8.93	0.2482629	0.2342687	0.01	-10.7	20
2-Nitroaniline	L	10.0	9.58	0.3358017	0.3393528	0.01	-4.2	20
3-Nitroaniline	L	10.0	9.13	0.2883083	0.2731139	0.01	-8.7	20

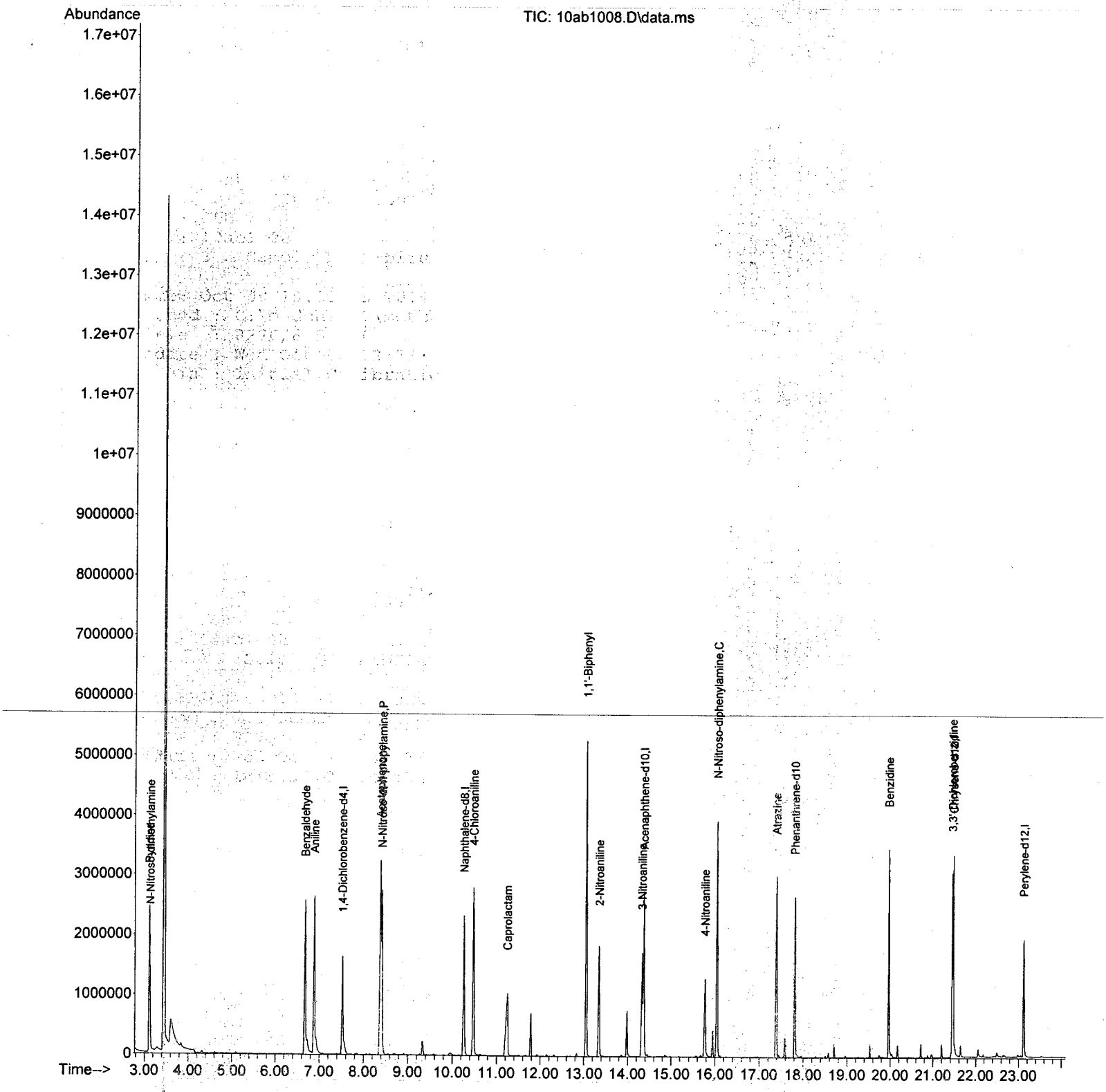
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 10ab1008.D
Acq On : 8 Oct 2014 8:50
Operator : JLB
Sample : 10ab1008 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 13:53:15 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 13:53:10 2014
Response via : Initial Calibration



004199

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 10ab1008.D
Acq On : 8 Oct 2014 8:50
Operator : JLB
Sample : 10ab1008 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 13:53:15 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 13:53:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.520	152	527859	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.260	136	2052080	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.369	164	1107604	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.808	188	1601203	5.00	ng/uL	0.00
19) Chrysene-d12	21.468	240	1291841	5.00	ng/uL	# 0.00
22) Perylene-d12	23.124	264	1121848	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.126	74	692612	8.28	ng/uL#	80
3) Pyridine	3.108	79	1232415	8.37	ng/uL#	43
4) Aniline	6.885	93	2237388	9.91	ng/uL	94
5) Benzaldehyde	6.675	105	1124029	9.70	ng/uL#	1
6) Acetophenone	8.383	105	1973140	9.82	ng/uL	89
7) N-Nitroso-di-n-propyla...	8.418	70	1018621	10.03	ng/uL	81
9) 4-Chloroaniline	10.476	127	1669220	10.02	ng/uL#	43
10) Caprolactam	11.245	55	655813	9.97	ng/uL	97
12) 1,1'-Biphenyl	13.058	154	3171829	9.59	ng/uL	96
13) 2-Nitroaniline	13.349	138	751737	9.58	ng/uL	98
14) 3-Nitroaniline	14.328	138	605004	9.13	ng/uL#	1
15) 4-Nitroaniline	15.774	138	518954	8.93	ng/uL#	1
17) N-Nitroso-diphenylamine	16.048	169	1882175	10.10	ng/uL	98
18) Atrazine	17.394	200	625985	10.57	ng/uL	98
20) Benzidine	19.965	184	1772453	9.95	ng/uL	96
21) 3,3'-Dichlorobenzidine	21.439	252	786929	10.60	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J09062-CCV1
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J09062

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1008a.D
Injection Time: 14:59
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.58	1.055312	1.011169	0.9	-4.2	20
Acenaphthylene	A	10.0	9.71	1.602723	1.555647	0.9	-2.9	20
Anthracene	A	10.0	9.69	0.9344171	0.9056041	0.7	-3.1	20
Benzo(a)anthracene	A	10.0	10.2	0.9113378	0.9265195	0.8	1.7	20
Benzo(a)pyrene	A	10.0	10.5	0.8566272	0.9012427	0.7	5.2	20
Benzo(b)fluoranthene	A	10.0	10.1	0.9083445	0.9167957	0.7	0.9	20
Benzo(k)fluoranthene	A	10.0	9.63	1.026063	0.9877269	0.7	-3.7	20
Benzo(g,h,i)perylene	A	10.0	11.3	0.6387196	0.7195422	0.5	12.7	20
Benzoic Acid	L	20.0	17.1	0.2268224	0.2006121	0.01	-14.6	20
Benzyl Alcohol	A	10.0	9.47	0.859675	0.8144761	0.01	-5.3	20
4-Bromophenyl Phenyl Ether	A	10.0	9.90	0.1689127	0.167295	0.1	-1.0	20
Butyl Benzyl Phthalate	A	10.0	11.0	0.4682775	0.5172158	0.01	10.5	20
Carbazole	A	10.0	9.60	0.8059797	0.7735979	0.01	-4.0	20
4-Chloro-3-methylphenol	A	10.0	9.35	0.2797675	0.2616261	0.2	-6.5	20
Bis(2-chloroethoxy)methane	A	10.0	9.32	0.3898008	0.3633678	0.3	-6.8	20
Bis(2-chloroethyl) Ether	A	10.0	9.47	1.415296	1.340343	0.7	-5.3	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.34	2.250618	2.103037	0.01	-6.6	20
2-Chloronaphthalene	A	10.0	9.31	0.9680318	0.9012945	0.8	-6.9	20
2-Chlorophenol	A	10.0	9.71	1.333337	1.294958	0.8	-2.9	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.25	0.5112369	0.472849	0.4	-7.5	20
Chrysene	A	10.0	9.46	0.8904179	0.8424445	0.7	-5.4	20
Dibenz(a,h)anthracene	A	10.0	11.3	0.6055826	0.6861301	0.4	13.3	20
Dibenzofuran	A	10.0	9.29	1.36941	1.272146	0.8	-7.1	20
Di-n-butyl Phthalate	A	10.0	10.0	0.9619959	0.9656735	0.01	0.4	20
1,4-Dichlorobenzene	A	10.0	9.60	1.451559	1.394135	0.01	-4.0	20
1,2-Dichlorobenzene	A	10.0	9.67	1.355521	1.31109	0.01	-3.3	20
1,3-Dichlorobenzene	A	10.0	9.73	1.444903	1.40645	0.01	-2.7	20
2,4-Dichlorophenol	A	10.0	9.93	0.2539136	0.2520932	0.2	-0.7	20
Diethyl Phthalate	A	10.0	9.20	1.019087	0.9377212	0.01	-8.0	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J09062-CCV1
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J09062

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1008a.D
Injection Time: 14:59
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.22	0.3221636	0.2969256	0.2	-7.8	20
Dimethyl Phthalate	A	10.0	9.43	1.081514	1.019587	0.01	-5.7	20
4,6-Dinitro-2-methylphenol	L	10.0	9.60	9.711342E-02	0.1118236	0.01	-4.0	20
2,4-Dinitrophenol	L	20.0	18.5	0.1272305	0.123162	0.01	-7.4	20
2,6-Dinitrotoluene	A	10.0	9.73	0.2581995	0.2511826	0.2	-2.7	20
2,4-Dinitrotoluene	A	10.0	9.51	0.3239502	0.3081037	0.2	-4.9	20
Di-n-octyl Phthalate	L	10.0	10.3	0.9447342	1.099883	0.01	3.3	20
1,2-Diphenylhydrazine	A	10.0	9.81	0.2003691	0.1965467	0.01	-1.9	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.6	0.5996469	0.6349254	0.01	5.9	20
Fluoranthene	A	10.0	9.71	0.9237645	0.8969988	0.6	-2.9	20
Fluorene	A	10.0	9.44	1.107485	1.045638	0.9	-5.6	20
Hexachlorobenzene	A	10.0	10.0	0.1846747	0.1849786	0.1	0.2	20
Hexachlorobutadiene	A	10.0	9.84	0.1578851	0.1553967	0.01	-1.6	20
Hexachloroethane	A	10.0	9.54	0.5390411	0.5139866	0.3	-4.6	20
Indeno(1,2,3-cd)pyrene	A	10.0	11.4	0.7411104	0.8432525	0.5	13.8	20
Isophorone	A	10.0	9.76	0.6426017	0.6273023	0.4	-2.4	20
2-Methylnaphthalene	A	10.0	9.49	0.6357622	0.6031115	0.4	-5.1	20
3+4-Methylphenol	A	10.0	9.38	1.190003	1.115929	0.6	-6.2	20
2-Methylphenol	A	10.0	9.36	1.194064	1.117335	0.7	-6.4	20
Naphthalene	A	10.0	9.56	0.9981756	0.9543292	0.4	-4.4	20
Nitrobenzene	A	10.0	9.46	0.349211	0.3301901	0.2	-5.4	20
2-Nitrophenol	A	10.0	9.84	0.1660685	0.1633579	0.1	-1.6	20
4-Nitrophenol	A	20.0	16.5	0.2039171	0.1686359	0.01	-17.3	20
N-Nitroso-dimethylamine	A	10.0	9.12	0.7385079	0.673192	0.01	-8.8	20
N-Nitroso-diphenylamine	A	10.0	9.70	0.5529454	0.5362194	0.01	-3.0	20
N-Nitroso-di-n-propylamine	A	10.0	9.37	0.9015026	0.8449149	0.01	-6.3	20
Pentachlorophenol	A	10.0	11.2	0.108286	0.1216918	0.05	12.4	20
Phenanthrene	A	10.0	9.62	0.9682669	0.93128	0.7	-3.8	20
Phenol	A	10.0	9.52	1.680502	1.600147	0.8	-4.8	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J09062-CCV1
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J09062

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1008a.D
Injection Time: 14:59
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	10.2	1.186095	1.215143	0.6	2.4	20
1,2,4-Trichlorobenzene	A	10.0	9.76	0.2893276	0.2823203	0.01	-2.4	20
2,4,5-Trichlorophenol	A	10.0	9.91	0.299758	0.2971538	0.2	-0.9	20
2,4,6-Trichlorophenol	A	10.0	10.0	0.2865524	0.2877817	0.2	0.4	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J09063-CCV1
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J09063

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1008a.D
Injection Time: 14:59
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.58	1.055312	1.011169	0.9	-4.2	20
Acenaphthylene	A	10.0	9.71	1.602723	1.555647	0.9	-2.9	20
Anthracene	A	10.0	9.69	0.9344171	0.9056041	0.7	-3.1	20
Benzo(a)anthracene	A	10.0	10.2	0.9113378	0.9265195	0.8	1.7	20
Benzo(a)pyrene	A	10.0	10.5	0.8566272	0.9012427	0.7	5.2	20
Benzo(b)fluoranthene	A	10.0	10.1	0.9083445	0.9167957	0.7	0.9	20
Benzo(k)fluoranthene	A	10.0	9.63	1.026063	0.9877269	0.7	-3.7	20
Benzo(g,h,i)perylene	A	10.0	11.3	0.6387196	0.7195422	0.5	12.7	20
Benzoic Acid	L	20.0	17.1	0.2268224	0.2006121	0.01	-14.6	20
Benzyl Alcohol	A	10.0	9.47	0.859675	0.8144761	0.01	-5.3	20
4-Bromophenyl Phenyl Ether	A	10.0	9.90	0.1689127	0.167295	0.1	-1.0	20
Butyl Benzyl Phthalate	A	10.0	11.0	0.4682775	0.5172158	0.01	10.5	20
Carbazole	A	10.0	9.60	0.8059797	0.7735979	0.01	-4.0	20
4-Chloro-3-methylphenol	A	10.0	9.35	0.2797675	0.2616261	0.2	-6.5	20
Bis(2-chloroethoxy)methane	A	10.0	9.32	0.3898008	0.3633678	0.3	-6.8	20
Bis(2-chloroethyl) Ether	A	10.0	9.47	1.415296	1.340343	0.7	-5.3	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.34	2.250618	2.103037	0.01	-6.6	20
2-Chloronaphthalene	A	10.0	9.31	0.9680318	0.9012945	0.8	-6.9	20
2-Chlorophenol	A	10.0	9.71	1.333337	1.294958	0.8	-2.9	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.25	0.5112369	0.472849	0.4	-7.5	20
Chrysene	A	10.0	9.46	0.8904179	0.8424445	0.7	-5.4	20
Dibenz(a,h)anthracene	A	10.0	11.3	0.6055826	0.6861301	0.4	13.3	20
Dibenzofuran	A	10.0	9.29	1.36941	1.272146	0.8	-7.1	20
Di-n-butyl Phthalate	A	10.0	10.0	0.9619959	0.9656735	0.01	0.4	20
1,4-Dichlorobenzene	A	10.0	9.60	1.451559	1.394135	0.01	-4.0	20
1,2-Dichlorobenzene	A	10.0	9.67	1.355521	1.31109	0.01	-3.3	20
1,3-Dichlorobenzene	A	10.0	9.73	1.444903	1.40645	0.01	-2.7	20
2,4-Dichlorophenol	A	10.0	9.93	0.2539136	0.2520932	0.2	-0.7	20
Diethyl Phthalate	A	10.0	9.20	1.019087	0.9377212	0.01	-8.0	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J09063-CCV1
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J09063

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1008a.D
Injection Time: 14:59
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.22	0.3221636	0.2969256	0.2	-7.8	20
Dimethyl Phthalate	A	10.0	9.43	1.081514	1.019587	0.01	-5.7	20
4,6-Dinitro-2-methylphenol	L	10.0	9.60	9.711342E-02	0.1118236	0.01	-4.0	20
2,4-Dinitrophenol	L	20.0	18.5	0.1272305	0.123162	0.01	-7.4	20
2,6-Dinitrotoluene	A	10.0	9.73	0.2581995	0.2511826	0.2	-2.7	20
2,4-Dinitrotoluene	A	10.0	9.51	0.3239502	0.3081037	0.2	-4.9	20
Di-n-octyl Phthalate	L	10.0	10.3	0.9447342	1.099883	0.01	3.3	20
1,2-Diphenylhydrazine	A	10.0	9.81	0.2003691	0.1965467	0.01	-1.9	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.6	0.5996469	0.6349254	0.01	5.9	20
Fluoranthene	A	10.0	9.71	0.9237645	0.8969988	0.6	-2.9	20
Fluorene	A	10.0	9.44	1.107485	1.045638	0.9	-5.6	20
Hexachlorobenzene	A	10.0	10.0	0.1846747	0.1849786	0.1	0.2	20
Hexachlorobutadiene	A	10.0	9.84	0.1578851	0.1553967	0.01	-1.6	20
Hexachloroethane	A	10.0	9.54	0.5390411	0.5139866	0.3	-4.6	20
Indeno(1,2,3-cd)pyrene	A	10.0	11.4	0.7411104	0.8432525	0.5	13.8	20
Isophorone	A	10.0	9.76	0.6426017	0.6273023	0.4	-2.4	20
2-Methylnaphthalene	A	10.0	9.49	0.6357622	0.6031115	0.4	-5.1	20
3+4-Methylphenol	A	10.0	9.38	1.190003	1.115929	0.6	-6.2	20
2-Methylphenol	A	10.0	9.36	1.194064	1.117335	0.7	-6.4	20
Naphthalene	A	10.0	9.56	0.9981756	0.9543292	0.4	-4.4	20
Nitrobenzene	A	10.0	9.46	0.349211	0.3301901	0.2	-5.4	20
2-Nitrophenol	A	10.0	9.84	0.1660685	0.1633579	0.1	-1.6	20
4-Nitrophenol	A	20.0	16.5	0.2039171	0.1686359	0.01	-17.3	20
N-Nitroso-dimethylamine	A	10.0	9.12	0.7385079	0.673192	0.01	-8.8	20
N-Nitroso-diphenylamine	A	10.0	9.70	0.5529454	0.5362194	0.01	-3.0	20
N-Nitroso-di-n-propylamine	A	10.0	9.37	0.9015026	0.8449149	0.01	-6.3	20
Pentachlorophenol	A	10.0	11.2	0.108286	0.1216918	0.05	12.4	20
Phenanthrene	A	10.0	9.62	0.9682669	0.93128	0.7	-3.8	20
Phenol	A	10.0	9.52	1.680502	1.600147	0.8	-4.8	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J09063-CCV1
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J09063

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1008a.D
Injection Time: 14:59
Calibration: 4J06006
Instrument ID: 339

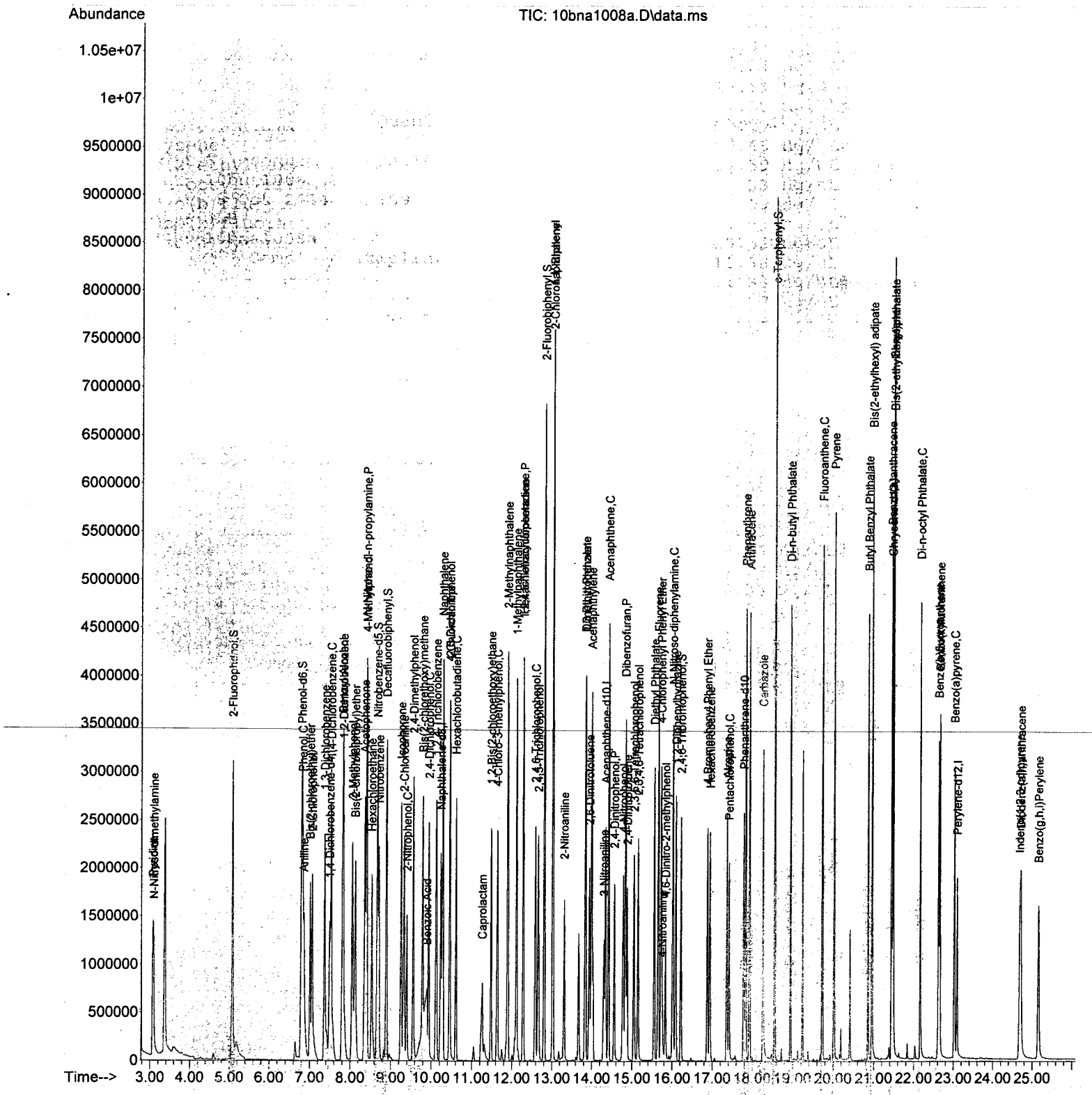
Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	10.2	1.186095	1.215143	0.6	2.4	20
1,2,4-Trichlorobenzene	A	10.0	9.76	0.2893276	0.2823203	0.01	-2.4	20
2,4,5-Trichlorophenol	A	10.0	9.91	0.299758	0.2971538	0.2	-0.9	20
2,4,6-Trichlorophenol	A	10.0	10.0	0.2865524	0.2877817	0.2	0.4	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 10bna1008a.D
Acq On : 8 Oct 2014 14:59
Operator : JLB
Sample : 10bna1008a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 08:37:37 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:37:31 2014
Response via : Initial Calibration



004207

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 10bna1008a.D
Acq On : 8 Oct 2014 14:59
Operator : JLB
Sample : 10bna1008a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 08:37:37 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:37:31 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.485	152	500693	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.231	136	1865548	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.340	164	1026721	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.785	188	1523895	5.00	ng/uL		0.00
81) Chrysene-d12	21.451	240	1157021	5.00	ng/uL	#	0.00
89) Perylene-d12	23.095	264	989805	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.072	112	2187582	19.12	ng/uL		0.00
6) Phenol-d6	6.798	99	2751721	18.58	ng/uL		0.00
21) Nitrobenzene-d5	8.663	82	2221769	18.63	ng/uL		0.00
23) Decafluorobiphenyl	8.890	334	1626835	19.46	ng/uL		0.00
47) 2-Fluorobiphenyl	12.813	172	3952560	18.63	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.223	330	461021	19.95	ng/uL		0.00
78) o-Terphenyl	18.560	230	2460928	18.84	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.091	74	674125	9.12	ng/uL		81
3) Pyridine	3.067	79	1139914	9.00	ng/uL		83
5) Aniline	6.856	93	1195702	9.78	ng/uL#		79
7) Phenol	6.821	94	1602365	9.52	ng/uL		92
8) Bis(2-chloroethyl)ether	7.008	93	1342201	9.47	ng/uL		96
9) 2-Chlorophenol	7.060	128	1296753	9.71	ng/uL#		35
10) 1,3-Dichlorobenzene	7.363	146	1408399	9.73	ng/uL		98
11) 1,4-Dichlorobenzene	7.520	146	1396067	9.60	ng/uL		97
12) 1,2-Dichlorobenzene	7.824	146	1312907	9.67	ng/uL		95
13) Bis(2-chloroisipropyl)...	8.121	45	2105952	9.34	ng/uL		97
14) Benzyl Alcohol	7.806	108	815605	9.47	ng/uL		85
15) 2-Methylphenol	8.051	108	1118884	9.36	ng/uL		97
16) Acetophenone	8.354	105	1670449	9.26	ng/uL		88
17) Hexachloroethane	8.523	119	514699	9.54	ng/uL		96
18) 4-Methylphenol	8.401	108	1117476	9.38	ng/uL#		49
19) N-Nitroso-di-n-propyla...	8.395	70	846086	9.37	ng/uL		98
22) Nitrobenzene	8.704	77	1231971	9.46	ng/uL#		1
24) Isophorone	9.252	82	2340525	9.76	ng/uL		97
25) 2-Chloroaniline	9.322	127	1527338	10.00	ng/uL		97
26) 2-Nitrophenol	9.397	139	609504	9.84	ng/uL#		84
27) 2,4-Dimethylphenol	9.555	107	1107858	9.22	ng/uL#		67
28) Bis(2-chlorethoxy)methane	9.788	93	1355760	9.32	ng/uL		96
29) 2,4-Dichlorophenol	9.934	162	940584	9.93	ng/uL		99
30) Benzoic Acid	9.893	105	1497006	17.09	ng/uL		97
31) 1,2,4-Trichlorobenzene	10.120	180	1053364	9.76	ng/uL		99
32) Naphthalene	10.277	128	3560694	9.56	ng/uL		98
33) 4-Chloroaniline	10.452	127	1006563	~~11.04~~	ng/uL#		78
34) 2,6-Dichlorophenol	10.446	162	905851	9.63	ng/uL		96
35) Hexachlorobutadiene	10.604	225	579800	9.84	ng/uL		99
36) Caprolactam	11.262	55	511865	9.53	ng/uL#		80
37) 1,2-Bis(2-chloroethoxy...	11.478	63	1087929	8.94	ng/uL#		100
38) 4-Chloro-3-methylphenol	11.635	107	976152	9.35	ng/uL		94
39) 2-Methylnaphthalene	11.892	142	2250267	9.49	ng/uL		99
40) 1-Methylnaphthalene	12.113	142	2077541	9.62	ng/uL		99
41) 1,3-Dinitrobenzene	13.845	168	351784	9.10	ng/uL		100

004208

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 10bna1008a.D
Acq On : 8 Oct 2014 14:59
Operator : JLB
Sample : 10bna1008a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 08:37:37 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:37:31 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.288	216	895243	9.84	ng/uL	98
44) Hexachlorocyclopentadiene	12.282	237	455354	9.02	ng/uL	98
45) 2,4,6-Trichlorophenol	12.586	196	590943	10.04	ng/uL	95
46) 2,4,5-Trichlorophenol	12.655	196	610188	9.91	ng/uL	94
48) 2-Chloronaphthalene	13.029	162	1850756	9.31	ng/uL	94
49) 1,1'-Biphenyl	13.023	154	2489607	9.20	ng/uL	96
50) 2-Nitroaniline	13.314	138	645598	ab ~~9.61~~	ng/uL	98
51) Acenaphthylene	13.996	152	3194430	9.71	ng/uL#	80
52) 2,6-Dinitrotoluene	13.944	165	515789	9.73	ng/uL	93
53) Dimethyl Phthalate	13.845	163	2093663	9.43	ng/uL	99
54) 3-Nitroaniline	14.299	138	408490	ab ~~8.78~~	ng/uL#	1
55) Acenaphthene	14.416	153	2076376	9.58	ng/uL	98
56) 2,4-Dinitrophenol	14.561	184	505812	18.51	ng/uL	90
57) Dibenzofuran	14.835	168	2612277	9.29	ng/uL	98
58) 4-Nitrophenol	14.783	65	692568	16.54	ng/uL	99
59) 2,4-Dinitrotoluene	14.882	165	632673	9.51	ng/uL#	88
60) 2,3,5,6-Tetrachlorophenol	15.051	232	507540	10.03	ng/uL	99
61) 2,3,4,6-Tetrachlorophenol	15.150	232	499797	9.81	ng/uL	96
62) Fluorene	15.651	166	2147158	9.44	ng/uL	97
63) Diethyl Phthalate	15.552	149	1925556	9.20	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.721	204	970968	9.25	ng/uL	94
65) 4-Nitroaniline	15.750	138	286534	ab ~~8.52~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.832	198	340815	9.60	ng/uL	99
68) N-Nitroso-diphenylamine	16.019	169	1634284	9.70	ng/uL	97
69) 1,2-Diphenylhydrazine	16.100	182	599033	9.81	ng/uL#	75
71) 4-Bromophenyl Phenyl E...	16.881	248	509880	9.90	ng/uL	99
72) Hexachlorobenzene	16.945	284	563776	10.02	ng/uL	97
73) Atrazine	17.371	200	500598	9.86	ng/uL	99
74) Pentachlorophenol	17.417	266	370891	11.24	ng/uL	97
75) Phenanthrene	17.831	178	2838346	9.62	ng/uL	98
76) Anthracene	17.930	178	2760091	9.69	ng/uL	99
77) Carbazole	18.263	167	2357764	9.60	ng/uL	98
79) Di-n-butyl Phthalate	18.945	149	2943170	10.04	ng/uL	100
80) Fluoroanthene	19.731	202	2733864	9.71	ng/uL	94
82) Pyrene	20.023	202	2811891	10.24	ng/uL	99
83) Butyl Benzyl Phthalate	20.862	149	1196859	11.05	ng/uL	87
84) Bis(2-ethylhexyl) adipate	20.961	129	1127516	10.56	ng/uL#	100
85) Benzo(a)anthracene	21.439	228	2144005	10.17	ng/uL	99
86) Chrysene	21.480	228	1949452	9.46	ng/uL#	88
87) Bis(2-ethylhexyl)phtha...	21.492	149	1469244	10.59	ng/uL	91
88) Di-n-octyl Phthalate	22.162	149	2545175	10.33	ng/uL	100
90) Benzo(b)fluoroanthene	22.622	252	1814898	10.09	ng/uL	98
91) Benzo(k)fluoranthene	22.652	252	1955314	9.63	ng/uL	99
92) Benzo(a)pyrene	23.025	252	1784109	10.52	ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.686	276	1669311	11.38	ng/uL	90
94) Dibdenz(a,h)anthracene	24.715	278	1358270	11.33	ng/uL#	89
95) Benzo(g,h,i)Perylene	25.164	276	1424413	11.27	ng/uL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004209

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J09062-CCV2
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J09062

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1008a.D
Injection Time: 15:32
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	9.21	0.3678384	0.3737568	0.01	-7.9	20
3,3´-Dichlorobenzidine	A	10.0	9.35	0.2873976	0.2686611	0.01	-6.5	20
4-Nitroaniline	L	10.0	8.28	0.2482629	0.2171638	0.01	-17.2	20
2-Nitroaniline	L	10.0	8.72	0.3358017	0.3090124	0.01	-12.8	20
3-Nitroaniline	L	10.0	8.43	0.2883083	0.2521064	0.01	-15.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J09063-CCV2
Injection Date: 10/08/14
Calibration Date: 10/04/14 11:28
Sequence: 4J09063

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1008a.D
Injection Time: 15:32
Calibration: 4J06006
Instrument ID: 339

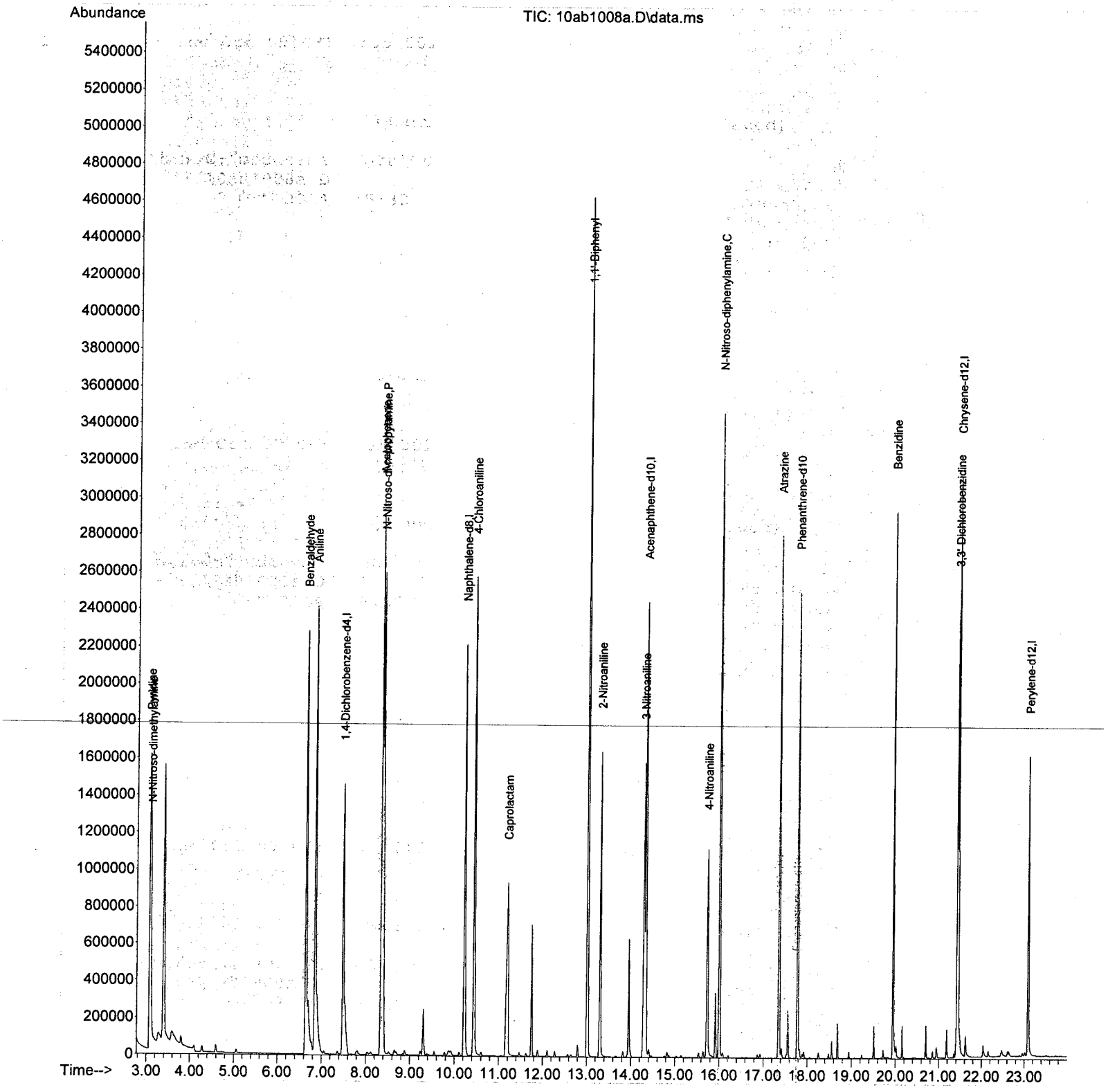
Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	9.21	0.3678384	0.3737568	0.01	-7.9	20
3,3´-Dichlorobenzidine	A	10.0	9.35	0.2873976	0.2686611	0.01	-6.5	20
4-Nitroaniline	L	10.0	8.28	0.2482629	0.2171638	0.01	-17.2	20
2-Nitroaniline	L	10.0	8.72	0.3358017	0.3090124	0.01	-12.8	20
3-Nitroaniline	L	10.0	8.43	0.2883083	0.2521064	0.01	-15.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

Quantitation Report (QA Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 10ab1008a.D
Acq On : 8 Oct 2014 15:32
Operator : JLB
Sample : 10ab1008a Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 08:38:58 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:38:42 2014
Response via : Initial Calibration



004212

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 10ab1008a.D
Acq On : 8 Oct 2014 15:32
Operator : JLB
Sample : 10ab1008a Inst : 339
ALS Vial : 3 Sample Multiplier: 1

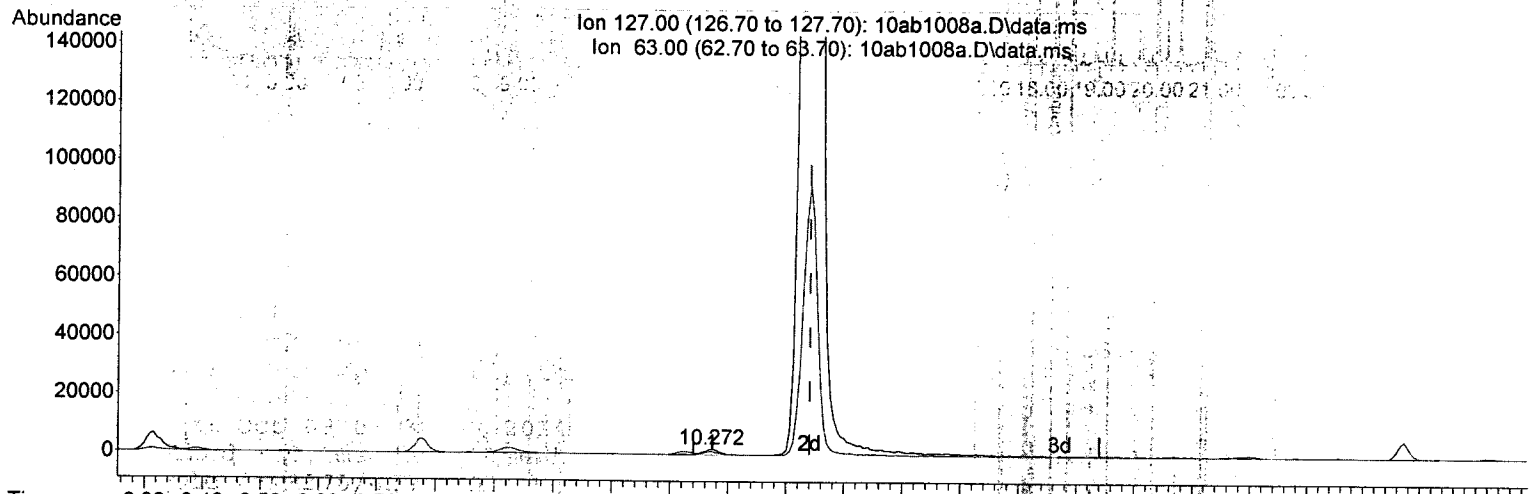
Quant Time: Oct 09 08:38:58 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:38:42 2014
Response via : Initial Calibration

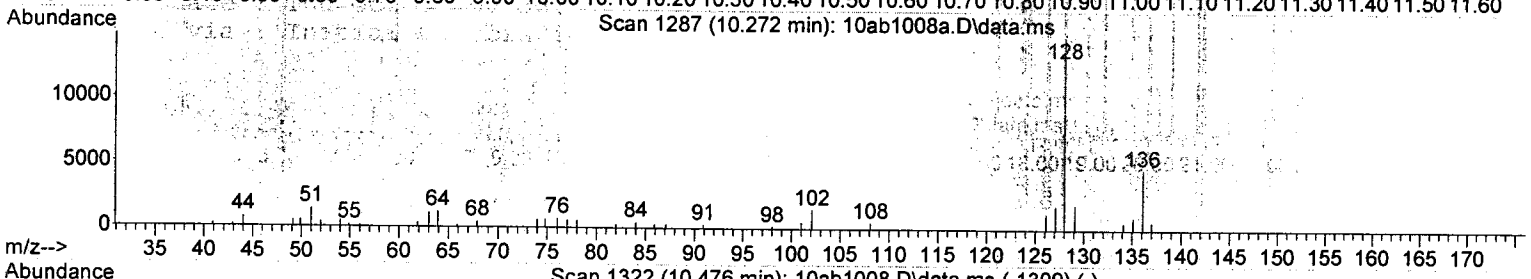
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.486	152	520507	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.225	136	1935898	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.334	164	1001599	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.779	188	1427733	5.00	ng/uL		0.00
19) Chrysene-d12	21.445	240	1172989	5.00	ng/uL	#	0.00
22) Perylene-d12	23.089	264	882685	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.102	74	813692	9.86	ng/uL	#	77
3) Pyridine	3.073	79	1115661	NR ~~7.68~~	ng/uL	#	52
4) Aniline	6.850	93	2096010	9.42	ng/uL		94
5) Benzaldehyde	6.646	105	1066386	9.33	ng/uL	#	1
6) Acetophenone	8.348	105	1785437	9.01	ng/uL		89
7) N-Nitroso-di-n-propyla...	8.383	70	942275	9.41	ng/uL	#	79
9) 4-Chloroaniline	10.441	127	1447110m	9.21	ng/uL		
10) Caprolactam	11.204	55	533284	8.61	ng/uL		96
12) 1,1'-Biphenyl	13.023	154	2814522	9.41	ng/uL		96
13) 2-Nitroaniline	13.308	138	619013	8.72	ng/uL		98
14) 3-Nitroaniline	14.293	138	505019	8.43	ng/uL	#	1
15) 4-Nitroaniline	15.739	138	435022	8.28	ng/uL	#	1
17) N-Nitroso-diphenylamine	16.013	169	1626226	9.78	ng/uL		98
18) Atrazine	17.365	200	543176	10.28	ng/uL		99
20) Benzidine	19.947	184	1476225	9.16	ng/uL		95
21) 3,3'-Dichlorobenzidine	21.422	252	630273	9.35	ng/uL		100

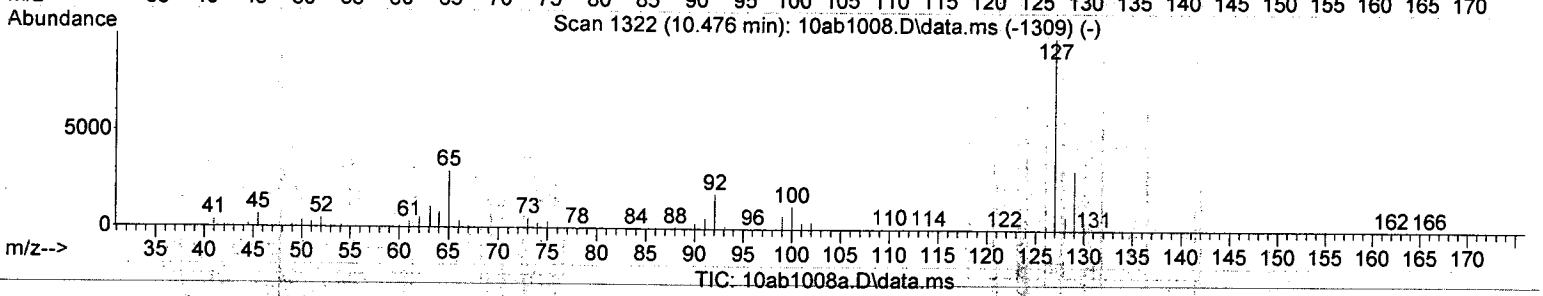
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 10ab1008a.D
Acq On : 8 Oct 2014 15:32
Operator : JLB
Sample : 10ab1008a
Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 08:38:47 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:38:42 2014
Response via : Initial Calibration







TIC: 10ab1008a.D\data.ms

(9) 4-Chloroaniline

10.272min (-0.169) 0.03 ng/uL

response 2972

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	58.71
0.00	0.00	0.00
0.00	0.00	0.00

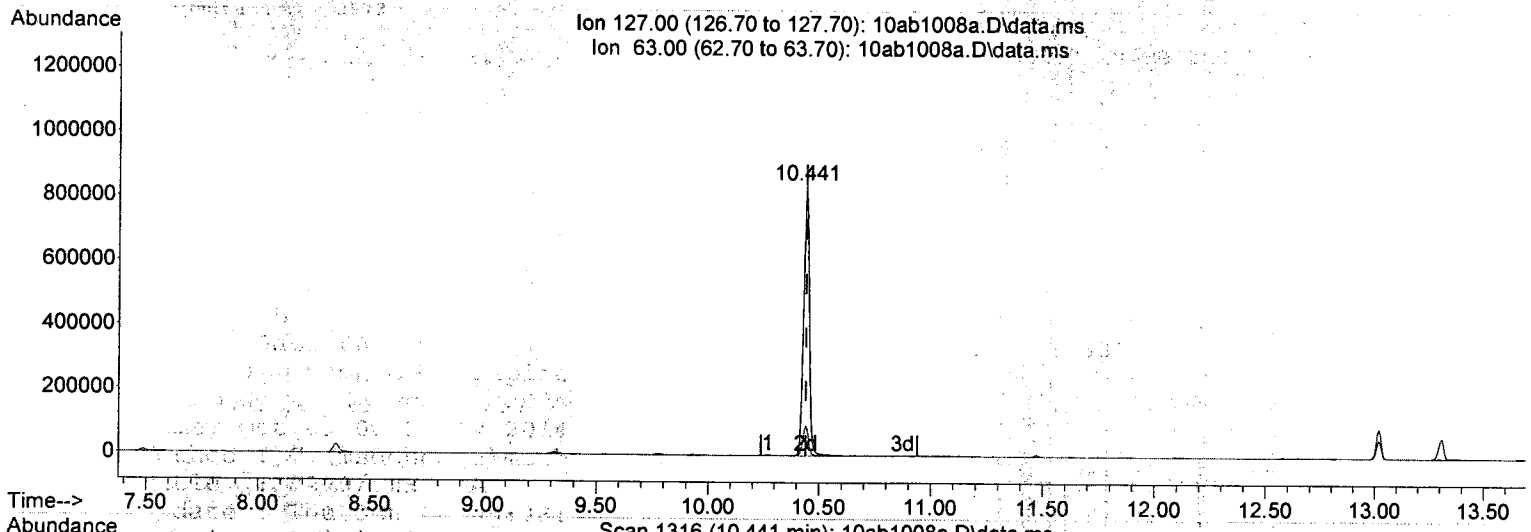
JLB 10/10/14

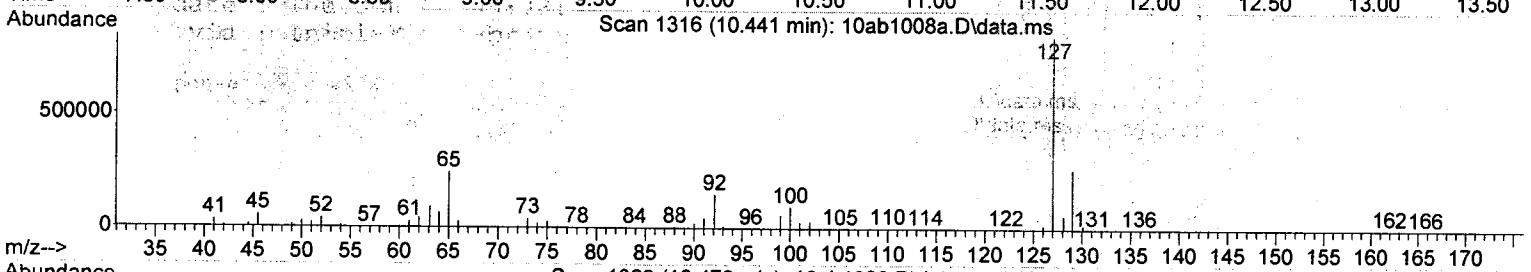
DWS 10-15-14

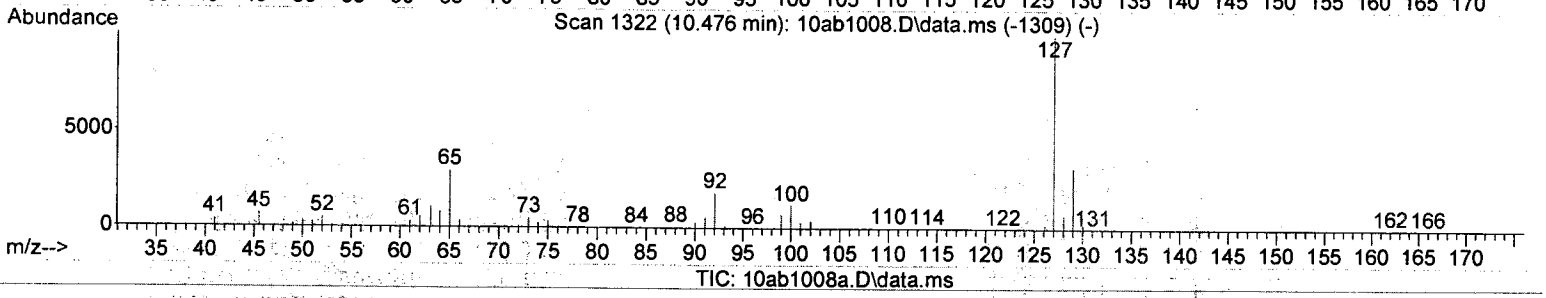
004214

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 10ab1008a.D
Acq On : 8 Oct 2014 15:32
Operator : JLB
Sample : 10ab1008a Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 08:38:47 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:38:42 2014
Response via : Initial Calibration







TIC: 10ab1008a.D\data.ms

(9) 4-Chloroaniline

10.441min (0.000) 9.21 ng/uL m

response 1447110

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	0.12#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: [signature] Date: 10/10/14

Reviewed By: [signature] Date: 10-15-14

004215

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J10038-CCV1
Injection Date: 10/10/14
Calibration Date: 10/04/14 11:28
Sequence: 4J10038

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1010.D
Injection Time: 08:47
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.58	1.055312	1.010479	0.9	-4.2	20
Acenaphthylene	A	10.0	9.73	1.602723	1.559358	0.9	-2.7	20
Anthracene	A	10.0	9.73	0.9344171	0.9095947	0.7	-2.7	20
Benzo(a)anthracene	A	10.0	10.2	0.9113378	0.9249781	0.8	1.5	20
Benzo(a)pyrene	A	10.0	10.3	0.8566272	0.8861014	0.7	3.4	20
Benzo(b)fluoranthene	A	10.0	10.6	0.9083445	0.9611596	0.7	5.8	20
Benzo(k)fluoranthene	A	10.0	9.02	1.026063	0.925973	0.7	-9.8	20
Benzo(g,h,i)perylene	A	10.0	11.3	0.6387196	0.7200165	0.5	12.7	20
Benzoic Acid	L	20.0	17.0	0.2268224	0.1995919	0.01	-14.9	20
Benzyl Alcohol	A	10.0	9.35	0.859675	0.8037977	0.01	-6.5	20
4-Bromophenyl Phenyl Ether	A	10.0	9.80	0.1689127	0.1656055	0.1	-2.0	20
Butyl Benzyl Phthalate	A	10.0	10.7	0.4682775	0.5007303	0.01	6.9	20
Carbazole	A	10.0	9.52	0.8059797	0.767564	0.01	-4.8	20
4-Chloro-3-methylphenol	A	10.0	9.37	0.2797675	0.2622677	0.2	-6.3	20
Bis(2-chloroethoxy)methane	A	10.0	9.50	0.3898008	0.3704983	0.3	-5.0	20
Bis(2-chloroethyl) Ether	A	10.0	9.72	1.415296	1.375519	0.7	-2.8	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.46	2.250618	2.128721	0.01	-5.4	20
2-Chloronaphthalene	A	10.0	9.61	0.9680318	0.9298621	0.8	-3.9	20
2-Chlorophenol	A	10.0	9.47	1.333337	1.263151	0.8	-5.3	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.52	0.5112369	0.4867323	0.4	-4.8	20
Chrysene	A	10.0	9.90	0.8904179	0.8814702	0.7	-1.0	20
Dibenz(a,h)anthracene	A	10.0	11.2	0.6055826	0.6750118	0.4	11.5	20
Dibenzofuran	A	10.0	9.62	1.36941	1.316975	0.8	-3.8	20
Di-n-butyl Phthalate	A	10.0	9.31	0.9619959	0.8953552	0.01	-6.9	20
1,4-Dichlorobenzene	A	10.0	9.70	1.451559	1.4078	0.01	-3.0	20
1,2-Dichlorobenzene	A	10.0	9.50	1.355521	1.288034	0.01	-5.0	20
1,3-Dichlorobenzene	A	10.0	9.66	1.444903	1.396178	0.01	-3.4	20
2,4-Dichlorophenol	A	10.0	9.60	0.2539136	0.2438084	0.2	-4.0	20
Diethyl Phthalate	A	10.0	9.32	1.019087	0.950253	0.01	-6.8	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J10038-CCV1
Lab File ID: 10bna1010.D
Injection Date: 10/10/14
Injection Time: 08:47
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J10038
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.10	0.3221636	0.2931604	0.2	-9.0	20
Dimethyl Phthalate	A	10.0	9.57	1.081514	1.035094	0.01	-4.3	20
4,6-Dinitro-2-methylphenol	L	10.0	9.39	9.711342E-02	0.1090747	0.01	-6.1	20
2,4-Dinitrophenol	L	20.0	19.2	0.1272305	0.1288143	0.01	-3.8	20
2,6-Dinitrotoluene	A	10.0	10.1	0.2581995	0.2602903	0.2	0.8	20
2,4-Dinitrotoluene	A	10.0	10.1	0.3239502	0.3266663	0.2	0.8	20
Di-n-octyl Phthalate	L	10.0	10.2	0.9447342	1.088244	0.01	2.3	20
1,2-Diphenylhydrazine	A	10.0	9.95	0.2003691	0.1993643	0.01	-0.5	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.7	0.5996469	0.6425746	0.01	7.2	20
Fluoranthene	A	10.0	9.12	0.9237645	0.8429178	0.6	-8.8	20
Fluorene	A	10.0	9.77	1.107485	1.08218	0.9	-2.3	20
Hexachlorobenzene	A	10.0	9.61	0.1846747	0.1774016	0.1	-3.9	20
Hexachlorobutadiene	A	10.0	9.54	0.1578851	0.1505591	0.01	-4.6	20
Hexachloroethane	A	10.0	9.56	0.5390411	0.5151009	0.3	-4.4	20
Indeno(1,2,3-cd)pyrene	A	10.0	11.4	0.7411104	0.8408509	0.5	13.5	20
Isophorone	A	10.0	9.61	0.6426017	0.6178088	0.4	-3.9	20
2-Methylnaphthalene	A	10.0	9.52	0.6357622	0.6051593	0.4	-4.8	20
3+4-Methylphenol	A	10.0	9.04	1.190003	1.075658	0.6	-9.6	20
2-Methylphenol	A	10.0	9.29	1.194064	1.109429	0.7	-7.1	20
Naphthalene	A	10.0	9.54	0.9981756	0.9518031	0.4	-4.6	20
Nitrobenzene	A	10.0	9.51	0.349211	0.332018	0.2	-4.9	20
2-Nitrophenol	A	10.0	9.67	0.1660685	0.1605492	0.1	-3.3	20
4-Nitrophenol	A	20.0	17.5	0.2039171	0.178183	0.01	-12.6	20
N-Nitroso-dimethylamine	A	10.0	8.93	0.7385079	0.6591188	0.01	-10.7	20
N-Nitroso-diphenylamine	A	10.0	9.77	0.5529454	0.5401574	0.01	-2.3	20
N-Nitroso-di-n-propylamine	A	10.0	8.96	0.9015026	0.8073554	0.01	-10.4	20
Pentachlorophenol	A	10.0	10.4	0.108286	0.1123089	0.05	3.7	20
Phenanthrene	A	10.0	9.66	0.9682669	0.9351482	0.7	-3.4	20
Phenol	A	10.0	9.46	1.680502	1.589435	0.8	-5.4	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J10038-CCV1
Injection Date: 10/10/14
Calibration Date: 10/04/14 11:28
Sequence: 4J10038

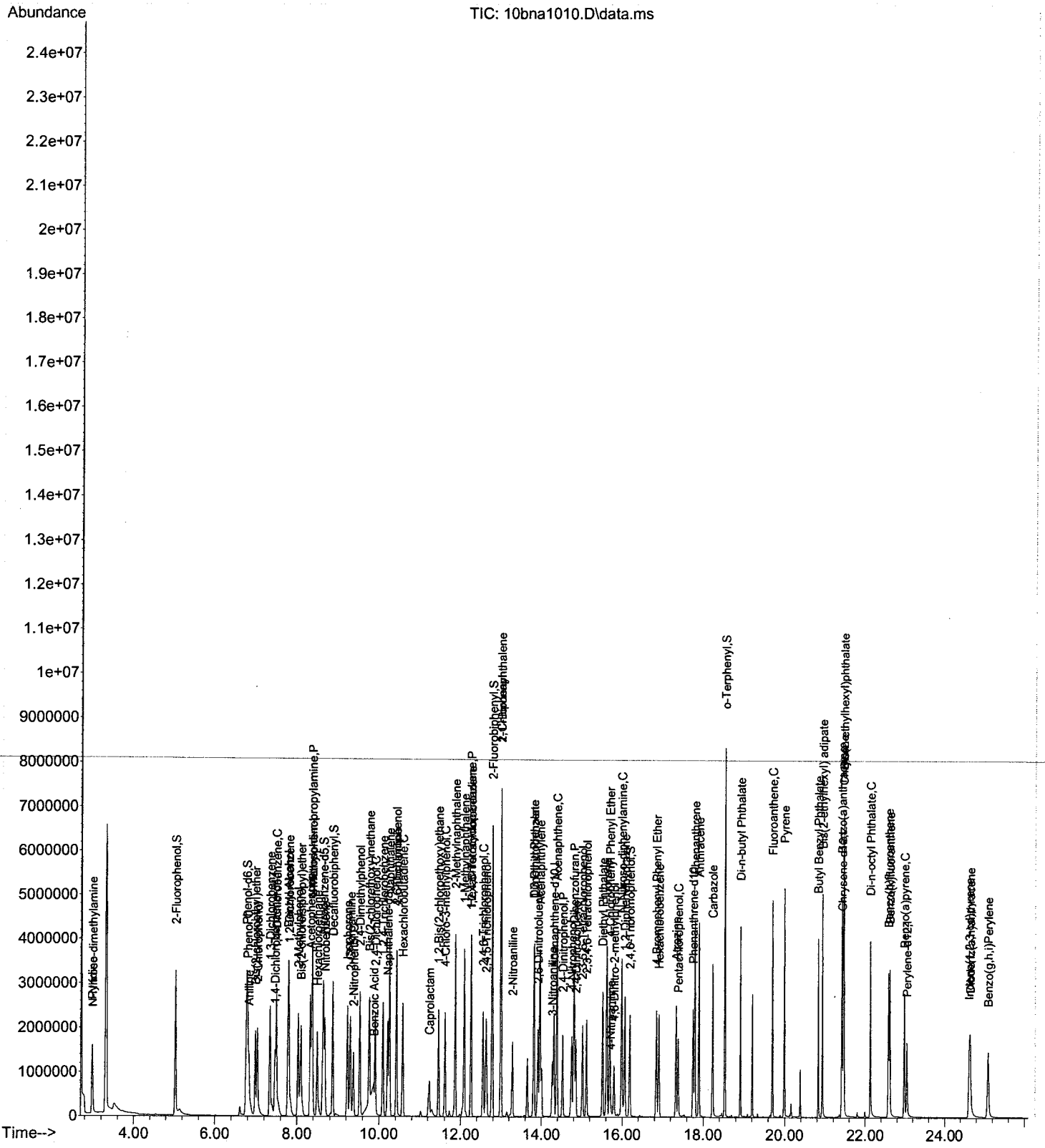
SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1010.D
Injection Time: 08:47
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	10.8	1.186095	1.276376	0.6	7.6	20
1,2,4-Trichlorobenzene	A	10.0	9.73	0.2893276	0.2815949	0.01	-2.7	20
2,4,5-Trichlorophenol	A	10.0	10.0	0.299758	0.3009792	0.2	0.4	20
2,4,6-Trichlorophenol	A	10.0	10.2	0.2865524	0.2910511	0.2	1.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

Data Path : C:\msdchem\1\data\101014_339\
Data File : 10bna1010.D
Acq On : 10 Oct 2014 8:47
Operator : JLB
Sample : 10bna1010 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 13:02:04 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 10bna1010.D
Acq On : 10 Oct 2014 8:47
Operator : JLB
Sample : 10bna1010 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 13:02:04 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration

ASC 10/10/14

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.460	152	509041	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.206	136	1860744	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.309	164	991276	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.754	188	1530043	5.00	ng/uL	0.00
81) Chrysene-d12	21.420	240	1046775	5.00	ng/uL	# 0.00
89) Perylene-d12	23.046	264	956144	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.036	112	2171602	18.67	ng/uL	0.00
6) Phenol-d6	6.773	99	2814868	18.70	ng/uL	0.00
21) Nitrobenzene-d5	8.638	82	2272652	19.11	ng/uL	0.00
23) Decafluorobiphenyl	8.871	334	1518191	18.20	ng/uL	0.00
47) 2-Fluorobiphenyl	12.782	172	3895168	19.02	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.192	330	442098	19.05	ng/uL	0.00
78) o-Terphenyl	18.535	230	2416507	18.42	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.984	74	671037	8.93	ng/uL#	70
3) Pyridine	2.972	79	902578	nr ~~7.01~~	ng/uL	87
5) Aniline	6.825	93	1233413	9.92	ng/uL#	23
7) Phenol	6.796	94	1618175	9.46	ng/uL	93
8) Bis(2-chloroethyl)ether	6.982	93	1400391	9.72	ng/uL	96
9) 2-Chlorophenol	7.035	128	1285991	9.47	ng/uL#	31
10) 1,3-Dichlorobenzene	7.338	146	1421424	9.66	ng/uL	95
11) 1,4-Dichlorobenzene	7.495	146	1433256	9.70	ng/uL	96
12) 1,2-Dichlorobenzene	7.798	146	1311324	9.50	ng/uL	95
13) Bis(2-chloroisipropyl)...	8.096	45	2167213	9.46	ng/uL	96
14) Benzyl Alcohol	7.781	108	818332	9.35	ng/uL	85
15) 2-Methylphenol	8.026	108	1129490	9.29	ng/uL	96
16) Acetophenone	8.329	105	1681769	9.17	ng/uL	88
17) Hexachloroethane	8.498	119	524415	9.56	ng/uL	98
18) 4-Methylphenol	8.375	108	1095108	9.04	ng/uL#	47
19) N-Nitroso-di-n-propyla...	8.370	70	821954	8.96	ng/uL#	76
22) Nitrobenzene	8.679	77	1235601	9.51	ng/uL#	1
24) Isophorone	9.226	82	2299168	9.61	ng/uL	97
25) 2-Chloroaniline	9.302	127	1513203	9.94	ng/uL	98
26) 2-Nitrophenol	9.372	139	597482	9.67	ng/uL#	84
27) 2,4-Dimethylphenol	9.530	107	1090993	9.10	ng/uL#	68
28) Bis(2-chlorethoxy)methane	9.763	93	1378805	9.50	ng/uL	96
29) 2,4-Dichlorophenol	9.908	162	907330	9.60	ng/uL	99
30) Benzoic Acid	9.873	105	1485558	17.02	ng/uL	97
31) 1,2,4-Trichlorobenzene	10.095	180	1047952	9.73	ng/uL	98
32) Naphthalene	10.252	128	3542124	9.54	ng/uL	99
33) 4-Chloroaniline	10.427	127	1057517	ar ~~11.63~~	ng/uL#	82
34) 2,6-Dichlorophenol	10.421	162	874796	9.32	ng/uL	97
35) Hexachlorobutadiene	10.579	225	560304	9.54	ng/uL	99
36) Caprolactam	11.237	55	520683	9.72	ng/uL#	80
37) 1,2-Bis(2-chloroethoxy...	11.453	63	1147795	9.46	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.610	107	976026	9.37	ng/uL	93
39) 2-Methylnaphthalene	11.867	142	2252093	9.52	ng/uL	99
40) 1-Methylnaphthalene	12.088	142	2034353	9.45	ng/uL	99
41) 1,3 Dinitrobenzene	13.814	168	361947	9.39	ng/uL	100
43) 1,2,4,5-Tetrachloroben...	12.263	216	876065	9.98	ng/uL	97
44) Hexachlorocyclopentadiene	12.252	237	447507	9.18	ng/uL	98
45) 2,4,6-Trichlorophenol	12.555	196	577024	10.16	ng/uL	96
46) 2,4,5-Trichlorophenol	12.625	196	596707	10.04	ng/uL#	93

Data Path : C:\msdchem\1\data\101014_339\
Data File : 10bna1010.D
Acq On : 10 Oct 2014 8:47
Operator : JLB
Sample : 10bna1010 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 13:02:04 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Chloronaphthalene	12.998	162	1843500	9.61	ng/uL	94
49) 1,1'-Biphenyl	12.998	154	2486096	9.52	ng/uL	96
50) 2-Nitroaniline	13.283	138	665756	ah ~~10.26~~	ng/uL	99
51) Acenaphthylene	13.965	152	3091508	9.73	ng/uL#	81
52) 2,6-Dinitrotoluene	13.913	165	516039	10.08	ng/uL	94
53) Dimethyl Phthalate	13.814	163	2052127	9.57	ng/uL	99
54) 3-Nitroaniline	14.268	138	418424	ah ~~9.31~~	ng/uL#	1
55) Acenaphthene	14.385	153	2003328	9.58	ng/uL	97
56) 2,4-Dinitrophenol	14.531	184	510762	19.23	ng/uL	93
57) Dibenzofuran	14.804	168	2610972	9.62	ng/uL	97
58) 4-Nitrophenol	14.752	65	706514	17.48	ng/uL	99
59) 2,4-Dinitrotoluene	14.851	165	647633	10.08	ng/uL#	85
60) 2,3,5,6-Tetrachlorophenol	15.014	232	485031	9.93	ng/uL	99
61) 2,3,4,6-Tetrachlorophenol	15.119	232	479417	9.74	ng/uL	97
62) Fluorene	15.620	166	2145479	9.77	ng/uL#	95
63) Diethyl Phthalate	15.516	149	1883926	9.32	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.690	204	964972	9.52	ng/uL	93
65) 4-Nitroaniline	15.714	138	252095	ah ~~7.76~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.801	198	333778	9.39	ng/uL	99
68) N-Nitroso-diphenylamine	15.988	169	1652928	9.77	ng/uL	98
69) 1,2-Diphenylhydrazine	16.063	182	610072	9.95	ng/uL#	76
71) 4-Bromophenyl Phenyl E...	16.844	248	506767	9.80	ng/uL	99
72) Hexachlorobenzene	16.909	284	542864	9.61	ng/uL	97
73) Atrazine	17.334	200	475413	9.32	ng/uL	100
74) Pentachlorophenol	17.387	266	343675	10.37	ng/uL	97
75) Phenanthrene	17.800	178	2861634	9.66	ng/uL	98
76) Anthracene	17.899	178	2783438	9.73	ng/uL	99
77) Carbazole	18.232	167	2348812	9.52	ng/uL	98
79) Di-n-butyl Phthalate	18.919	149	2739864	9.31	ng/uL	100
80) Fluoroanthene	19.701	202	2579401	9.12	ng/uL	95
82) Pyrene	19.992	202	2672156	10.76	ng/uL	99
83) Butyl Benzyl Phthalate	20.825	149	1048304	10.69	ng/uL	89
84) Bis(2-ethylhexyl) adipate	20.930	129	992958	10.28	ng/uL#	100
85) Benzo(a)anthracene	21.408	228	1936488	10.15	ng/uL	98
86) Chrysene	21.449	228	1845402	9.90	ng/uL#	88
87) Bis(2-ethylhexyl)phtha...	21.455	149	1345262	10.72	ng/uL	92
88) Di-n-octyl Phthalate	22.125	149	2278293	10.23	ng/uL	100
90) Benzo(b)fluoroanthene	22.580	252	1838014	10.58	ng/uL	99
91) Benzo(k)fluoranthene	22.615	252	1770727	9.02	ng/uL	93
92) Benzo(a)pyrene	22.982	252	1694481	10.34	ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.620	276	1607949	11.35	ng/uL#	87
94) Dibdenz(a,h)anthracene	24.649	278	1290817	11.15	ng/uL#	88
95) Benzo(g,h,i)Perylene	25.092	276	1376879	11.27	ng/uL	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004221

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J10038-CCV2
Lab File ID: 10ab1010.D
Injection Date: 10/10/14
Injection Time: 09:20
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J10038
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	9.79	0.3678384	0.3972499	0.01	-2.1	20
3,3′-Dichlorobenzidine	A	10.0	9.51	0.2873976	0.2734337	0.01	-4.9	20
4-Nitroaniline	L	10.0	9.36	0.2482629	0.2454543	0.01	-6.4	20
2-Nitroaniline	L	10.0	9.58	0.3358017	0.3393957	0.01	-4.2	20
3-Nitroaniline	L	10.0	9.40	0.2883083	0.2811397	0.01	-6.0	20

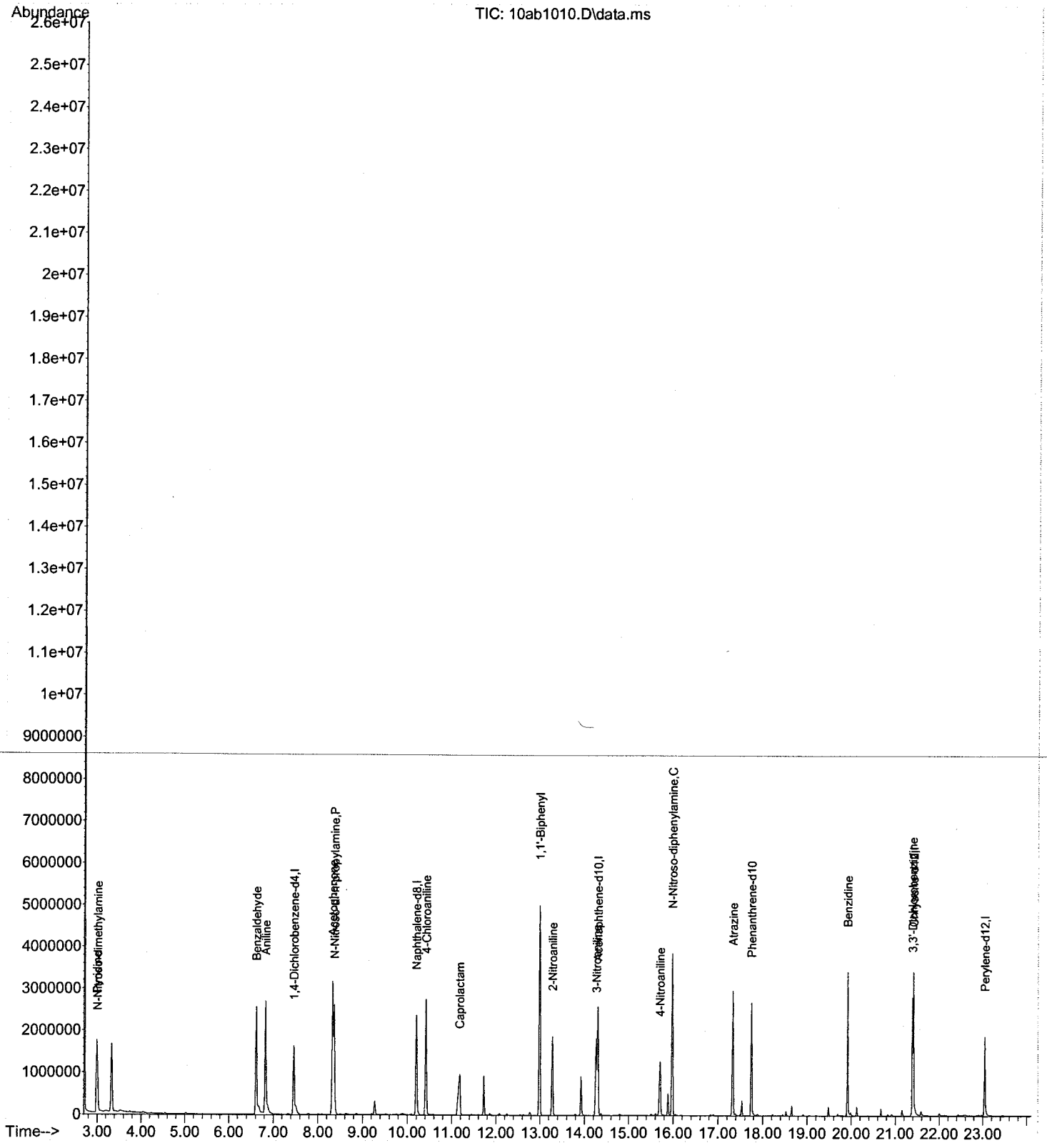
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 10ab1010.D
Acq On : 10 Oct 2014 9:20
Operator : JLB
Sample : 10ab1010 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 10 12:58:21 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 12:58:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 10ab1010.D
Acq On : 10 Oct 2014 9:20
Operator : JLB
Sample : 10ab1010 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 10 12:58:21 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 12:58:17 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.460	152	554057	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.200	136	2095692	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.303	164	1071503	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.748	188	1614267	5.00	ng/uL	0.00
19) Chrysene-d12	21.414	240	1315048	5.00	ng/uL	# 0.00
22) Perylene-d12	23.046	264	1079655	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.007	74	607544	~~6.92~~	ng/uL	95
3) Pyridine	2.990	79	1214109	~~7.85~~	ng/uL#	82
4) Aniline	6.825	93	2268899	9.57	ng/uL	95
5) Benzaldehyde	6.615	105	1173182	9.64	ng/uL#	1
6) Acetophenone	8.323	105	1977633	9.37	ng/uL	89
7) N-Nitroso-di-n-propyla...	8.364	70	984639	9.24	ng/uL#	75
9) 4-Chloroaniline	10.421	127	1665027	9.79	ng/uL#	44
10) Caprolactam	11.179	55	596832	8.90	ng/uL	94
12) 1,1'-Biphenyl	12.992	154	3108093	9.71	ng/uL	96
13) 2-Nitroaniline	13.283	138	727327	9.58	ng/uL	100
14) 3-Nitroaniline	14.268	138	602484	9.40	ng/uL#	1
15) 4-Nitroaniline	15.708	138	526010	9.36	ng/uL#	1
17) N-Nitroso-diphenylamine	15.982	169	1823785	9.71	ng/uL	98
18) Atrazine	17.334	200	594762	9.95	ng/uL	98
20) Benzidine	19.916	184	1656567	9.17	ng/uL	97
21) 3,3'-Dichlorobenzidine	21.391	252	719157	9.51	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ASC 10/10/14

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J15024-CCV1
Injection Date: 10/10/14
Calibration Date: 10/04/14 11:28
Sequence: 4J15024

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1010a.D
Injection Time: 15:17
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.73	1.055312	1.026523	0.9	-2.7	20
Acenaphthylene	A	10.0	9.77	1.602723	1.566485	0.9	-2.3	20
Anthracene	A	10.0	9.65	0.9344171	0.9017615	0.7	-3.5	20
Benzo(a)anthracene	A	10.0	10.1	0.9113378	0.9196583	0.8	0.9	20
Benzo(a)pyrene	A	10.0	10.6	0.8566272	0.9059743	0.7	5.8	20
Benzo(b)fluoranthene	A	10.0	10.5	0.9083445	0.9555037	0.7	5.2	20
Benzo(k)fluoranthene	A	10.0	9.92	1.026063	1.017971	0.7	-0.8	20
Benzo(g,h,i)perylene	A	10.0	11.2	0.6387196	0.7155956	0.5	12.0	20
Benzoic Acid	L	20.0	16.9	0.2268224	0.1984915	0.01	-15.3	20
Benzyl Alcohol	A	10.0	9.35	0.859675	0.8039232	0.01	-6.5	20
4-Bromophenyl Phenyl Ether	A	10.0	9.58	0.1689127	0.161848	0.1	-4.2	20
Butyl Benzyl Phthalate	A	10.0	11.3	0.4682775	0.5292107	0.01	13.0	20
Carbazole	A	10.0	9.30	0.8059797	0.7494874	0.01	-7.0	20
4-Chloro-3-methylphenol	A	10.0	9.33	0.2797675	0.2611346	0.2	-6.7	20
Bis(2-chloroethoxy)methane	A	10.0	9.56	0.3898008	0.3725723	0.3	-4.4	20
Bis(2-chloroethyl) Ether	A	10.0	9.84	1.415296	1.393186	0.7	-1.6	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.97	2.250618	2.24361	0.01	-0.3	20
2-Chloronaphthalene	A	10.0	9.51	0.9680318	0.9209139	0.8	-4.9	20
2-Chlorophenol	A	10.0	9.62	1.333337	1.282049	0.8	-3.8	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.06	0.5112369	0.463176	0.4	-9.4	20
Chrysene	A	10.0	9.84	0.8904179	0.876131	0.7	-1.6	20
Dibenz(a,h)anthracene	A	10.0	10.6	0.6055826	0.6444807	0.4	6.4	20
Dibenzofuran	A	10.0	9.33	1.36941	1.277937	0.8	-6.7	20
Di-n-butyl Phthalate	A	10.0	9.88	0.9619959	0.950245	0.01	-1.2	20
1,4-Dichlorobenzene	A	10.0	9.71	1.451559	1.410088	0.01	-2.9	20
1,2-Dichlorobenzene	A	10.0	9.49	1.355521	1.285957	0.01	-5.1	20
1,3-Dichlorobenzene	A	10.0	9.70	1.444903	1.402121	0.01	-3.0	20
2,4-Dichlorophenol	A	10.0	9.57	0.2539136	0.2430066	0.2	-4.3	20
Diethyl Phthalate	A	10.0	9.35	1.019087	0.9530893	0.01	-6.5	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J15024-CCV1
Lab File ID: 10bna1010a.D
Injection Date: 10/10/14
Injection Time: 15:17
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J15024
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.12	0.3221636	0.2937344	0.2	-8.8	20
Dimethyl Phthalate	A	10.0	9.50	1.081514	1.026962	0.01	-5.0	20
4,6-Dinitro-2-methylphenol	L	10.0	9.69	9.711342E-02	0.1129272	0.01	-3.1	20
2,4-Dinitrophenol	L	20.0	17.9	0.1272305	0.1181909	0.01	-10.6	20
2,6-Dinitrotoluene	A	10.0	9.74	0.2581995	0.2514466	0.2	-2.6	20
2,4-Dinitrotoluene	A	10.0	9.46	0.3239502	0.3065367	0.2	-5.4	20
Di-n-octyl Phthalate	L	10.0	10.0	0.9447342	1.06931	0.01	0.5	20
1,2-Diphenylhydrazine	A	10.0	9.87	0.2003691	0.1977054	0.01	-1.3	20
Bis(2-ethylhexyl) Phthalate	A	10.0	11.0	0.5996469	0.6602264	0.01	10.1	20
Fluoranthene	A	10.0	9.28	0.9237645	0.857156	0.6	-7.2	20
Fluorene	A	10.0	9.41	1.107485	1.042451	0.9	-5.9	20
Hexachlorobenzene	A	10.0	9.88	0.1846747	0.182519	0.1	-1.2	20
Hexachlorobutadiene	A	10.0	9.80	0.1578851	0.1547207	0.01	-2.0	20
Hexachloroethane	A	10.0	9.47	0.5390411	0.5103806	0.3	-5.3	20
Indeno(1,2,3-cd)pyrene	A	10.0	11.1	0.7411104	0.8213388	0.5	10.8	20
Isophorone	A	10.0	10.1	0.6426017	0.648057	0.4	0.8	20
2-Methylnaphthalene	A	10.0	9.42	0.6357622	0.5991026	0.4	-5.8	20
3+4-Methylphenol	A	10.0	8.93	1.190003	1.062567	0.6	-10.7	20
2-Methylphenol	A	10.0	9.27	1.194064	1.107479	0.7	-7.3	20
Naphthalene	A	10.0	9.65	0.9981756	0.9628658	0.4	-3.5	20
Nitrobenzene	A	10.0	9.72	0.349211	0.3394922	0.2	-2.8	20
2-Nitrophenol	A	10.0	9.87	0.1660685	0.1639639	0.1	-1.3	20
4-Nitrophenol	A	20.0	16.4	0.2039171	0.1667093	0.01	-18.2	20
N-Nitroso-dimethylamine	A	10.0	8.05	0.7385079	0.5948091	0.01	-19.5	20
N-Nitroso-diphenylamine	A	10.0	9.56	0.5529454	0.5283925	0.01	-4.4	20
N-Nitroso-di-n-propylamine	A	10.0	9.25	0.9015026	0.8335426	0.01	-7.5	20
Pentachlorophenol	A	10.0	10.8	0.108286	0.1168621	0.05	7.9	20
Phenanthrene	A	10.0	9.67	0.9682669	0.9367844	0.7	-3.3	20
Phenol	A	10.0	9.60	1.680502	1.612484	0.8	-4.0	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J15024-CCV1
Lab File ID: 10bna1010a.D
Injection Date: 10/10/14
Injection Time: 15:17
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J15024
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	10.9	1.186095	1.292312	0.6	9.0	20
1,2,4-Trichlorobenzene	A	10.0	9.71	0.2893276	0.2808554	0.01	-2.9	20
2,4,5-Trichlorophenol	A	10.0	9.85	0.299758	0.2952966	0.2	-1.5	20
2,4,6-Trichlorophenol	A	10.0	10.1	0.2865524	0.2886781	0.2	0.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

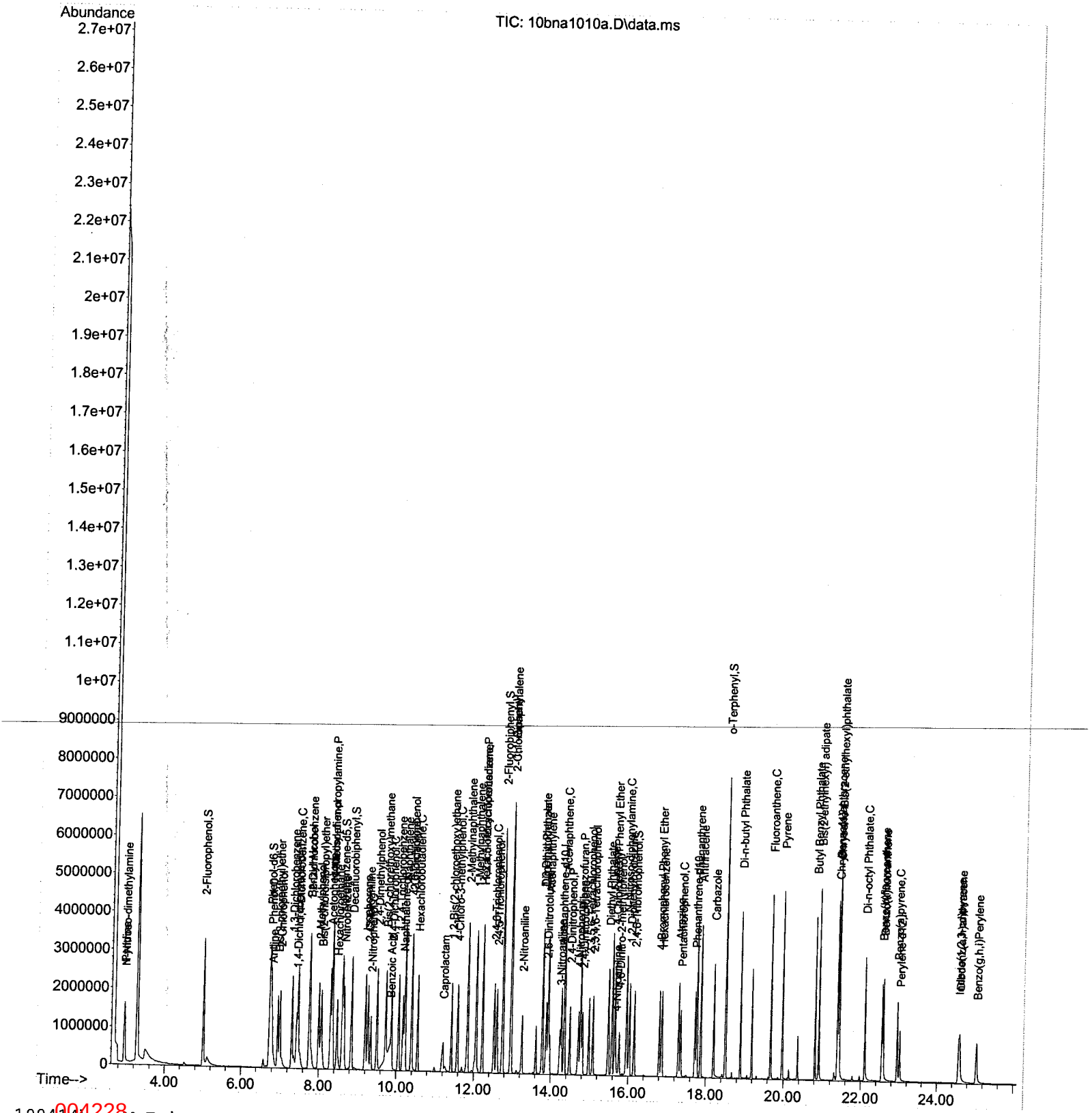
* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 10bna1010a.D
Acq On : 10 Oct 2014 15:17
Operator : JLB
Sample : 10bna1010a
ALS Vial : 2 Sample Multiplier: 1

Inst : 339

Quant Time: Oct 10 15:48:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 15:47:48 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 10bna1010a.D
Acq On : 10 Oct 2014 15:17
Operator : JLB
Sample : 10bna1010a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 15:48:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 15:47:48 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.430	152	507388	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.175	136	1810850	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.272	164	964493	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.723	188	1402572	5.00	ng/uL	0.00
81) Chrysene-d12	21.395	240	966957m	5.00	ng/uL	0.00
89) Perylene-d12	23.015	264	707700	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.005	112	2297095	19.82	ng/uL	0.00
6) Phenol-d6	6.742	99	2849201	18.99	ng/uL	0.00
21) Nitrobenzene-d5	8.607	82	2256514	19.49	ng/uL	0.00
23) Decafluorobiphenyl	8.840	334	1480457	18.24	ng/uL	0.00
47) 2-Fluorobiphenyl	12.751	172	3777500	18.96	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.155	330	402120	18.90	ng/uL	0.00
78) o-Terphenyl	18.510	230	2280320	18.96	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.965	74	603598	8.05	ng/uL#	75
3) Pyridine	2.947	79	931145	nr ~~7.26~~	ng/uL#	75
5) Aniline	6.794	93	1196811	9.66	ng/uL#	17
7) Phenol	6.765	94	1636310	9.60	ng/uL	92
8) Bis(2-chloroethyl)ether	6.952	93	1413772	9.84	ng/uL	99
9) 2-Chlorophenol	7.004	128	1300993	9.62	ng/uL#	31
10) 1,3-Dichlorobenzene	7.307	146	1422839	9.70	ng/uL	92
11) 1,4-Dichlorobenzene	7.465	146	1430923	9.71	ng/uL	89
12) 1,2-Dichlorobenzene	7.762	146	1304958	9.49	ng/uL	94
13) Bis(2-chloroisipropyl)...	8.065	45	2276762	9.97	ng/uL	94
14) Benzyl Alcohol	7.750	108	815802	9.35	ng/uL	86
15) 2-Methylphenol	7.995	108	1123843	9.27	ng/uL	97
16) Acetophenone	8.298	105	1665411	9.11	ng/uL	87
17) Hexachloroethane	8.467	119	517922	9.47	ng/uL	97
18) 4-Methylphenol	8.345	108	1078267	8.93	ng/uL#	47
19) N-Nitroso-di-n-propyla...	8.339	70	845859	9.25	ng/uL	95
22) Nitrobenzene	8.648	77	1229539	9.72	ng/uL#	1
24) Isophorone	9.202	82	2347068	10.08	ng/uL	98
25) 2-Chloroaniline	9.266	127	1475075	9.95	ng/uL	98
26) 2-Nitrophenol	9.341	139	593828	9.87	ng/uL#	86
27) 2,4-Dimethylphenol	9.505	107	1063818	9.12	ng/uL#	64
28) Bis(2-chlorethoxy)methane	9.732	93	1349345	9.56	ng/uL	95
29) 2,4-Dichlorophenol	9.878	162	880097	9.57	ng/uL	99
30) Benzoic Acid	9.843	105	1437753	16.94	ng/uL	97
31) 1,2,4-Trichlorobenzene	10.058	180	1017174	9.71	ng/uL	98
32) Naphthalene	10.222	128	3487211	9.65	ng/uL	99
33) 4-Chloroaniline	10.396	127	989493	~~11.18~~	ng/uL#	76
34) 2,6-Dichlorophenol	10.391	162	854825	9.36	ng/uL	98
35) Hexachlorobutadiene	10.548	225	560352	9.80	ng/uL	99
36) Caprolactam	11.212	55	516171	9.90	ng/uL#	80
37) 1,2-Bis(2-chloroethoxy...	11.422	63	1092783	9.25	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.580	107	945751	9.33	ng/uL	92
39) 2-Methylnaphthalene	11.836	142	2169770	9.42	ng/uL	99
40) 1-Methylnaphthalene	12.058	142	1988409	9.49	ng/uL	99
41) 1,3 Dinitrobenzene	13.783	168	326401	8.69	ng/uL	100
43) 1,2,4,5-Tetrachloroben...	12.227	216	845556	9.90	ng/uL	98
44) Hexachlorocyclopentadiene	12.221	237	412767	8.70	ng/uL	99
45) 2,4,6-Trichlorophenol	12.524	196	556856	10.07	ng/uL	94
46) 2,4,5-Trichlorophenol	12.594	196	569623	9.85	ng/uL	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 10bna1010a.D
Acq On : 10 Oct 2014 15:17
Operator : JLB
Sample : 10bna1010a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 15:48:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 15:47:48 2014
Response via : Initial Calibration

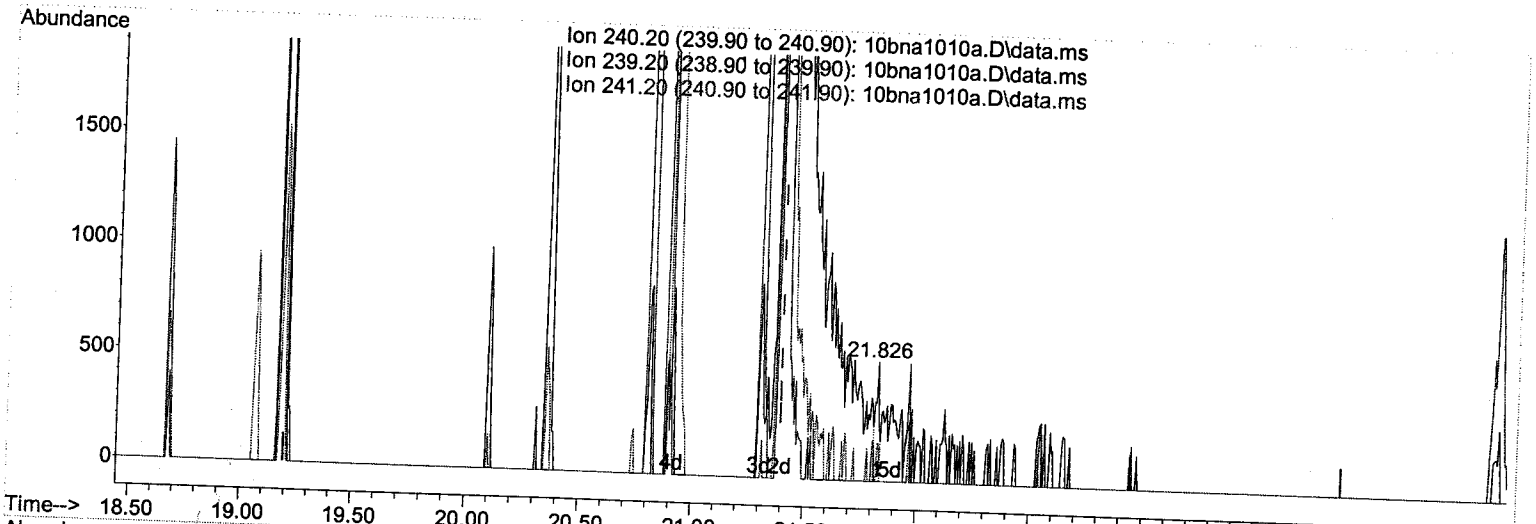
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48) 2-Chloronaphthalene	12.967	162	1776430	9.51 ng/uL	93
49) 1,1'-Biphenyl	12.961	154	2409703	9.48 ng/uL	96
50) 2-Nitroaniline	13.252	138	615941	abs ~~9.76~~ ng/uL	99
51) Acenaphthylene	13.929	152	3021728	9.77 ng/uL#	80
52) 2,6-Dinitrotoluene	13.882	165	485037	9.74 ng/uL	96
53) Dimethyl Phthalate	13.783	163	1980996	9.50 ng/uL	99
54) 3-Nitroaniline	14.238	138	378687	abs ~~8.66~~ ng/uL#	1
55) Acenaphthene	14.354	153	1980148	9.73 ng/uL	98
56) 2,4-Dinitrophenol	14.494	184	455977	17.88 ng/uL	93
57) Dibenzofuran	14.774	168	2465123	9.33 ng/uL	99
58) 4-Nitrophenol	14.715	65	643160	16.35 ng/uL	99
59) 2,4-Dinitrotoluene	14.815	165	591305	9.46 ng/uL#	89
60) 2,3,5,6-Tetrachlorophenol	14.984	232	455437	9.58 ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.083	232	449808	9.39 ng/uL	95
62) Fluorene	15.584	166	2010874	9.41 ng/uL	97
63) Diethyl Phthalate	15.485	149	1838496	9.35 ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.654	204	893460	9.06 ng/uL	91
65) 4-Nitroaniline	15.683	138	240470	abs ~~7.61~~ ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.765	198	316777	9.69 ng/uL	98
68) N-Nitroso-diphenylamine	15.951	169	1482217	9.56 ng/uL	99
69) 1,2-Diphenylhydrazine	16.033	182	554592	9.87 ng/uL	81
71) 4-Bromophenyl Phenyl E...	16.814	248	454007	9.58 ng/uL	97
72) Hexachlorobenzene	16.872	284	511992	9.88 ng/uL	96
73) Atrazine	17.303	200	461050	9.87 ng/uL	98
74) Pentachlorophenol	17.356	266	327815	10.79 ng/uL	98
75) Phenanthrene	17.770	178	2627815	9.67 ng/uL	99
76) Anthracene	17.869	178	2529571	9.65 ng/uL	99
77) Carbazole	18.207	167	2102420	9.30 ng/uL	98
79) Di-n-butyl Phthalate	18.895	149	2665574	9.88 ng/uL	99
80) Fluoroanthene	19.676	202	2404446	9.28 ng/uL	96
82) Pyrene	19.967	202	2499220	10.90 ng/uL	98
83) Butyl Benzyl Phthalate	20.806	149	1023448	11.30 ng/uL	91
84) Bis(2-ethylhexyl) adipate	20.911	129	962235	10.78 ng/uL#	100
85) Benzo(a)anthracene	21.389	228	1778540	10.09 ng/uL	98
86) Chrysene	21.424	228	1694362	9.84 ng/uL#	87
87) Bis(2-ethylhexyl)phtha...	21.436	149	1276821	11.01 ng/uL	92
88) Di-n-octyl Phthalate	22.100	149	2067954	10.05 ng/uL	100
90) Benzo(b)fluoroanthene	22.549	252	1352420	10.52 ng/uL	97
91) Benzo(k)fluoranthene	22.584	252	1440836	9.92 ng/uL	96
92) Benzo(a)pyrene	22.951	252	1282316	10.58 ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.578	276	1162523	11.08 ng/uL#	86
94) Dibdenz(a,h)anthracene	24.601	278	912198	10.64 ng/uL#	87
95) Benzo(g,h,i)Perylene	25.044	276	1012854	11.20 ng/uL	92

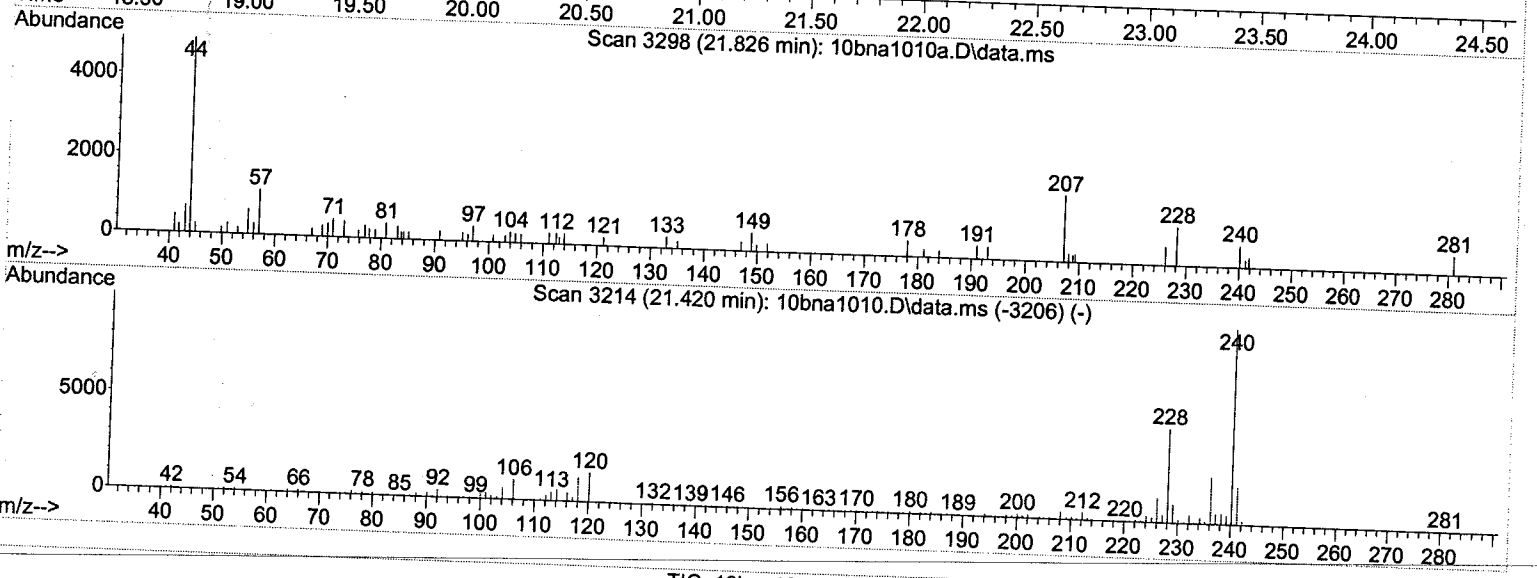
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 10bna1010a.D
Acq On : 10 Oct 2014 15:17
Operator : JLB
Sample : 10bna1010a
ALS Vial : 2 Sample Multiplier: 1 Inst : 339

Quant Time: Oct 10 15:47:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 15:47:48 2014
Response via : Initial Calibration





TIC: 10bna1010a.D\data.ms

(81) Chrysene-d12 (I)

21.826min (+ 0.431) 5.00 ng/uL

response 595

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	20.00
241.20	19.50	20.00
0.00	0.00	0.00

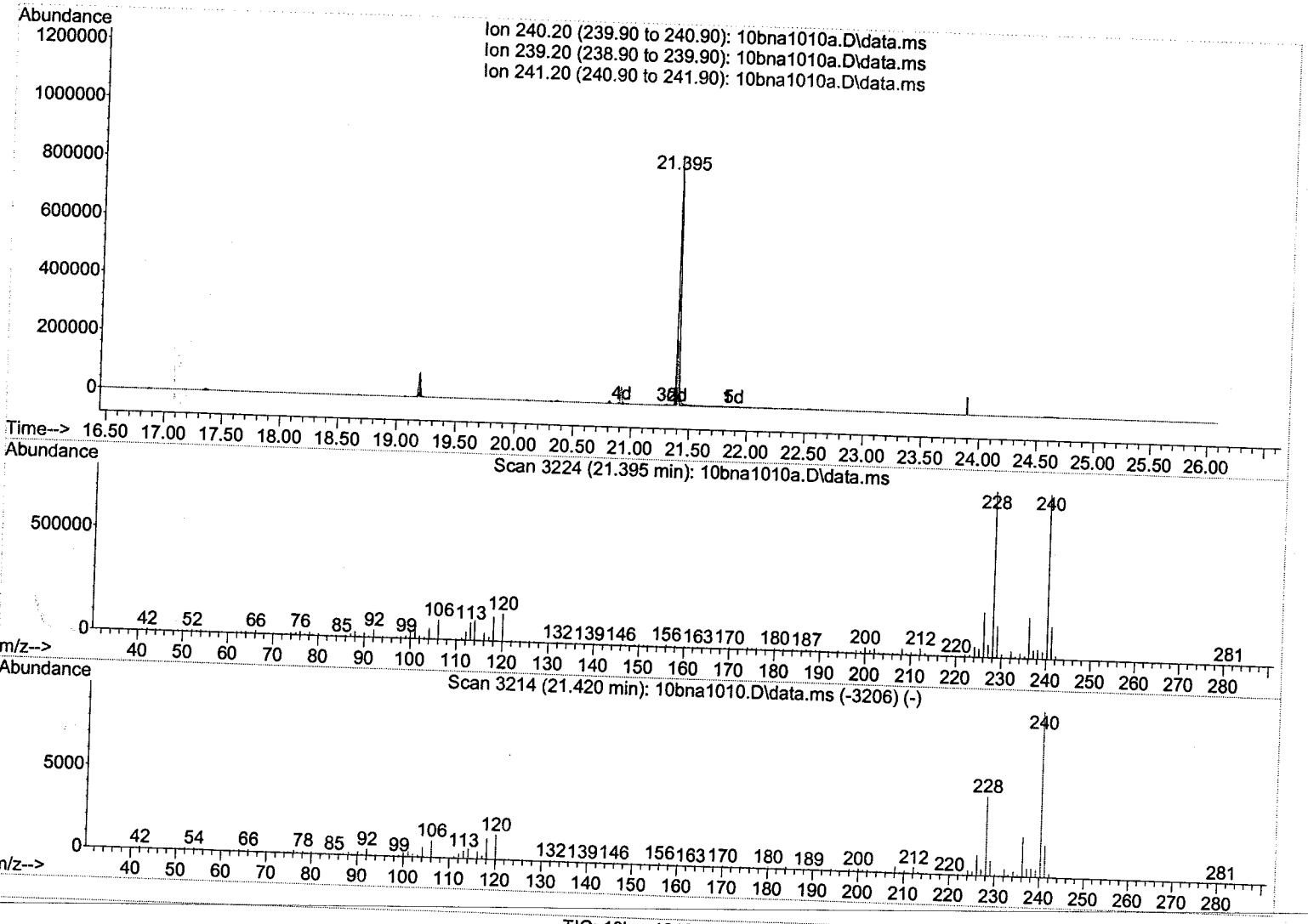
JWS 10/15/14

DWO 10-15-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 10bna1010a.D
Acq On : 10 Oct 2014 15:17
Operator : JLB
Sample : 10bna1010a
ALS Vial : 2 Sample Multiplier: 1 Inst : 339

Quant Time: Oct 10 15:47:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 15:47:48 2014
Response via : Initial Calibration



TIC: 10bna1010a.D\data.ms

(81) Chrysene-d12 (I)

21.395min (0.000) 5.00 ng/uL m

response 966957

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	0.01#
241.20	19.50	0.01#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

Reviewed By: DW Date: 10-15-14

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J15024-CCV2
Lab File ID: 10ab1010a.D
Injection Date: 10/10/14
Injection Time: 15:50
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J15024
Instrument ID: 339

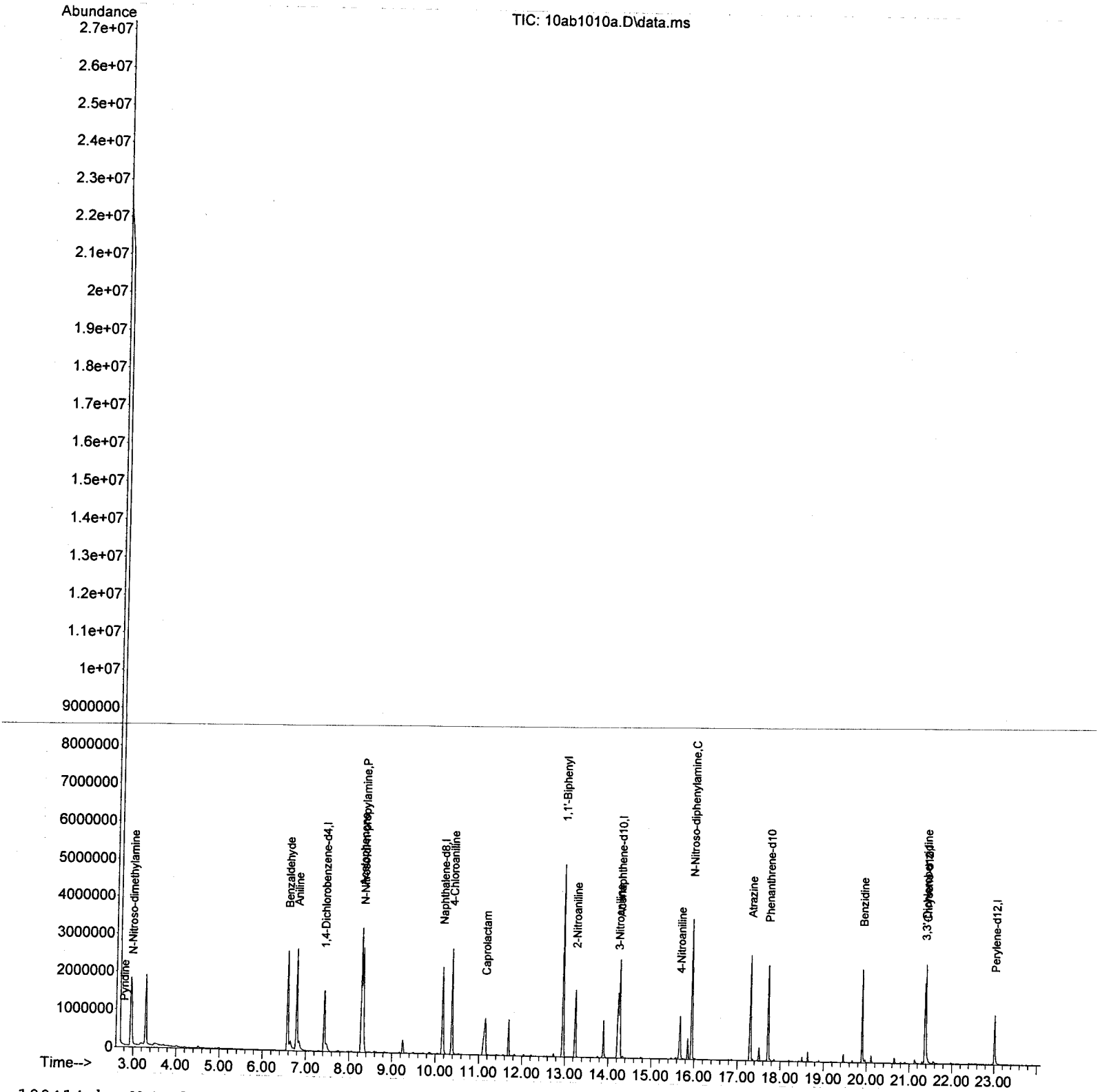
Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	9.59	0.3678384	0.3893555	0.01	-4.1	20
3,3′-Dichlorobenzidine	A	10.0	9.08	0.2873976	0.260937	0.01	-9.2	20
4-Nitroaniline	L	10.0	8.08	0.2482629	0.2119007	0.01	-19.2	20
2-Nitroaniline	L	10.0	9.28	0.3358017	0.3287253	0.01	-7.2	20
3-Nitroaniline	L	10.0	8.71	0.2883083	0.2605518	0.01	-12.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 10ab1010a.D
Acq On : 10 Oct 2014 15:50
Operator : JLB
Sample : 10ab1010a
Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 08:46:40 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\101014a_339\
Data File : 10ab1010a.D
Acq On : 10 Oct 2014 15:50
Operator : JLB
Sample : 10ab1010a
Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 08:46:40 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

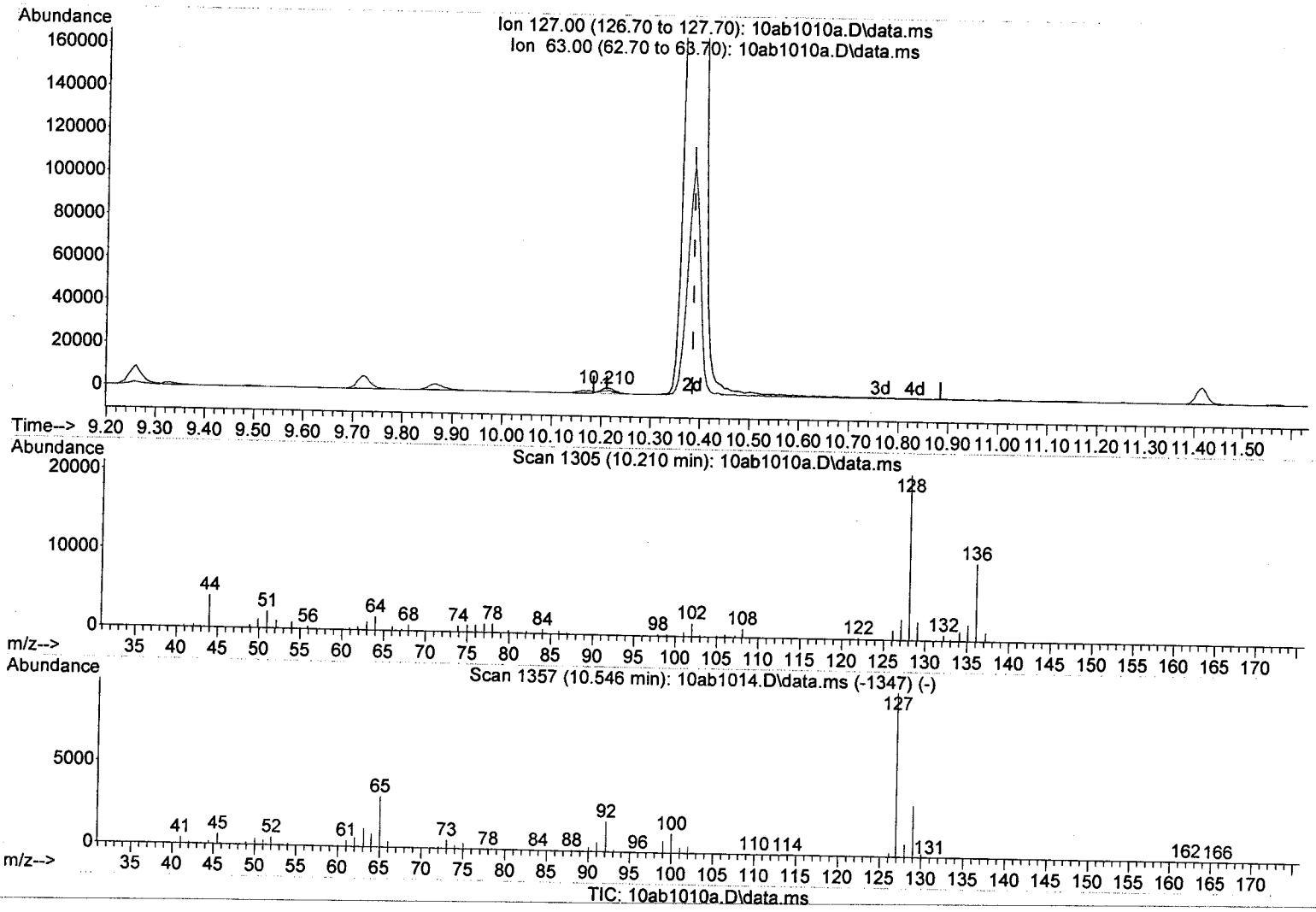
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.424	152	544518	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.163	136	2100507	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.267	164	1067592	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.717	188	1547981	5.00	ng/uL	0.00
19) Chrysene-d12	21.389	240	1050175	5.00	ng/uL	# 0.00
22) Perylene-d12	23.015	264	764569	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.971	74	639750	NR ~~7.41~~	ng/uL	84
3) Pyridine	2.790	79	239	NR ~~0.00~~	ng/uL	97
4) Aniline	6.794	93	2340163	10.05	ng/uL	87
5) Benzaldehyde	6.585	105	1217542	10.18	ng/uL#	1
6) Acetophenone	8.292	105	2036760	9.82	ng/uL	90
7) N-Nitroso-di-n-propyla...	8.327	70	1040043	9.93	ng/uL#	73
9) 4-Chloroaniline	10.385	127	1635688m	9.59	ng/uL	
10) Caprolactam	11.154	55	631788	9.39	ng/uL	92
12) 1,1'-Biphenyl	12.961	154	3080556	9.66	ng/uL	96
13) 2-Nitroaniline	13.252	138	701889	9.28	ng/uL	99
14) 3-Nitroaniline	14.232	138	556326	8.71	ng/uL#	1
15) 4-Nitroaniline	15.671	138	452447	8.08	ng/uL#	1
17) N-Nitroso-diphenylamine	15.945	169	1735528	9.63	ng/uL	98
18) Atrazine	17.309	200	577020	10.06	ng/uL	97
20) Benzidine	19.891	184	1243328	8.64	ng/uL	98
21) 3,3'-Dichlorobenzidine	21.366	252	548059	9.08	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 10ab1010a.D
Acq On : 10 Oct 2014 15:50
Operator : JLB
Sample : 10ab1010a
ALS Vial : 3 Sample Multiplier: 1

Inst : 339

Quant Time: Oct 15 08:46:26 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration



TIC: 10ab1010a.D\data.ms

(9) 4-Chloroaniline

10.210min (-0.175) 0.03 ng/uL

response 4186

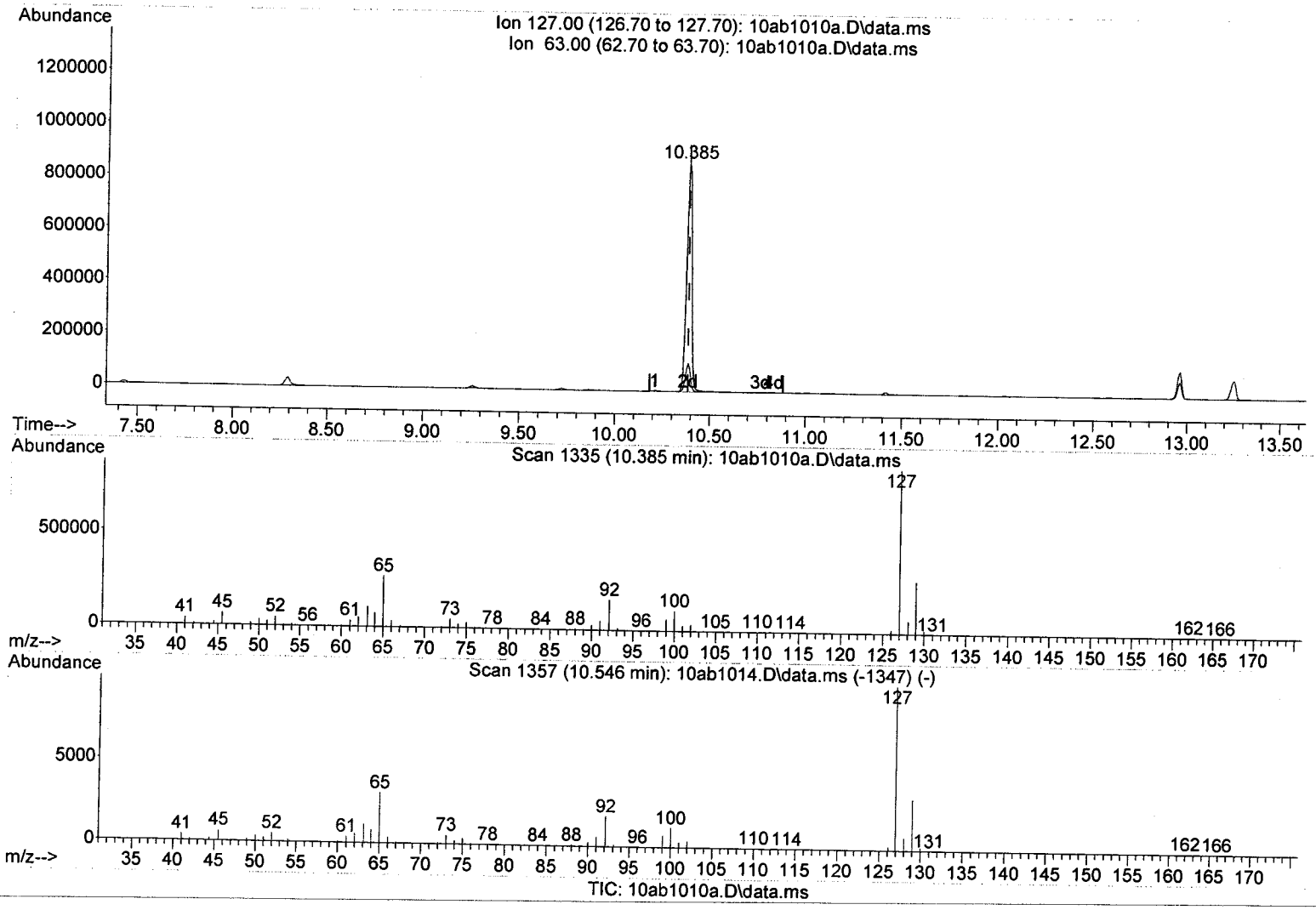
Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	48.11
0.00	0.00	0.00
0.00	0.00	0.00

Dwb 10-15-14

JLB 10/15/14

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 10ab1010a.D
Acq On : 10 Oct 2014 15:50
Operator : JLB
Sample : 10ab1010a Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 08:46:26 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration



(9) 4-Chloroaniline

10.385min (0.000) 9.59 ng/uL m

response 1635688

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	0.12#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: [signature] Date: 10/15/14

Reviewed By: [signature] Date: 10-15-14

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J15031-CCV1
Injection Date: 10/14/14
Calibration Date: 10/04/14 11:28
Sequence: 4J15031

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1014.D
Injection Time: 08:02
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.70	1.055312	1.023375	0.9	-3.0	20
Acenaphthylene	A	10.0	9.65	1.602723	1.547258	0.9	-3.5	20
Anthracene	A	10.0	9.85	0.9344171	0.9201299	0.7	-1.5	20
Benzo(a)anthracene	A	10.0	10.5	0.9113378	0.9591609	0.8	5.2	20
Benzo(a)pyrene	A	10.0	10.8	0.8566272	0.9216435	0.7	7.6	20
Benzo(b)fluoranthene	A	10.0	10.8	0.9083445	0.9834954	0.7	8.3	20
Benzo(k)fluoranthene	A	10.0	9.90	1.026063	1.016001	0.7	-1.0	20
Benzo(g,h,i)perylene	A	10.0	11.2	0.6387196	0.7155959	0.5	12.0	20
Benzoic Acid	L	20.0	19.2	0.2268224	0.2300575	0.01	-3.8	20
Benzyl Alcohol	A	10.0	10.0	0.859675	0.8600083	0.01	0.04	20
4-Bromophenyl Phenyl Ether	A	10.0	10.1	0.1689127	0.1704349	0.1	0.9	20
Butyl Benzyl Phthalate	A	10.0	11.7	0.4682775	0.5488654	0.01	17.2	20
Carbazole	A	10.0	9.25	0.8059797	0.74573	0.01	-7.5	20
4-Chloro-3-methylphenol	A	10.0	9.93	0.2797675	0.2778367	0.2	-0.7	20
Bis(2-chloroethoxy)methane	A	10.0	9.89	0.3898008	0.3853723	0.3	-1.1	20
Bis(2-chloroethyl) Ether	A	10.0	10.0	1.415296	1.417663	0.7	0.2	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.57	2.250618	2.154179	0.01	-4.3	20
2-Chloronaphthalene	A	10.0	9.47	0.9680318	0.9166117	0.8	-5.3	20
2-Chlorophenol	A	10.0	9.95	1.333337	1.326396	0.8	-0.5	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.43	0.5112369	0.4820816	0.4	-5.7	20
Chrysene	A	10.0	9.69	0.8904179	0.8625353	0.7	-3.1	20
Dibenz(a,h)anthracene	A	10.0	10.6	0.6055826	0.6401928	0.4	5.7	20
Dibenzofuran	A	10.0	9.47	1.36941	1.296626	0.8	-5.3	20
Di-n-butyl Phthalate	A	10.0	10.1	0.9619959	0.9748852	0.01	1.3	20
1,4-Dichlorobenzene	A	10.0	9.73	1.451559	1.413053	0.01	-2.7	20
1,2-Dichlorobenzene	A	10.0	9.60	1.355521	1.300714	0.01	-4.0	20
1,3-Dichlorobenzene	A	10.0	9.70	1.444903	1.401757	0.01	-3.0	20
2,4-Dichlorophenol	A	10.0	9.92	0.2539136	0.2518209	0.2	-0.8	20
Diethyl Phthalate	A	10.0	9.52	1.019087	0.9697039	0.01	-4.8	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J15031-CCV1
Injection Date: 10/14/14
Calibration Date: 10/04/14 11:28
Sequence: 4J15031

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1014.D
Injection Time: 08:02
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.32	0.3221636	0.3004052	0.2	-6.8	20
Dimethyl Phthalate	A	10.0	9.72	1.081514	1.051363	0.01	-2.8	20
4,6-Dinitro-2-methylphenol	L	10.0	9.85	9.711342E-02	0.1150517	0.01	-1.5	20
2,4-Dinitrophenol	L	20.0	19.0	0.1272305	0.126817	0.01	-5.1	20
2,6-Dinitrotoluene	A	10.0	10.0	0.2581995	0.2595639	0.2	0.5	20
2,4-Dinitrotoluene	A	10.0	9.73	0.3239502	0.3152414	0.2	-2.7	20
Di-n-octyl Phthalate	L	10.0	11.1	0.9447342	1.186298	0.01	11.2	20
1,2-Diphenylhydrazine	A	10.0	10.0	0.2003691	0.2004342	0.01	0.03	20
Bis(2-ethylhexyl) Phthalate	A	10.0	11.9	0.5996469	0.7147772	0.01	19.2	20
Fluoranthene	A	10.0	9.52	0.9237645	0.879365	0.6	-4.8	20
Fluorene	A	10.0	9.59	1.107485	1.062532	0.9	-4.1	20
Hexachlorobenzene	A	10.0	9.97	0.1846747	0.184168	0.1	-0.3	20
Hexachlorobutadiene	A	10.0	9.49	0.1578851	0.1498974	0.01	-5.1	20
Hexachloroethane	A	10.0	9.89	0.5390411	0.5330368	0.3	-1.1	20
Indeno(1,2,3-cd)pyrene	A	10.0	11.0	0.7411104	0.8184602	0.5	10.4	20
Isophorone	A	10.0	9.90	0.6426017	0.6358798	0.4	-1.0	20
2-Methylnaphthalene	A	10.0	9.68	0.6357622	0.6151263	0.4	-3.2	20
3+4-Methylphenol	A	10.0	9.71	1.190003	1.155941	0.6	-2.9	20
2-Methylphenol	A	10.0	9.97	1.194064	1.190665	0.7	-0.3	20
Naphthalene	A	10.0	9.67	0.9981756	0.9650513	0.4	-3.3	20
Nitrobenzene	A	10.0	9.88	0.349211	0.3451061	0.2	-1.2	20
2-Nitrophenol	A	10.0	10.0	0.1660685	0.1661587	0.1	0.05	20
4-Nitrophenol	A	20.0	17.9	0.2039171	0.1824626	0.01	-10.5	20
N-Nitroso-dimethylamine	A	10.0	10.6	0.7385079	0.7807987	0.01	5.7	20
N-Nitroso-diphenylamine	A	10.0	9.78	0.5529454	0.5407015	0.01	-2.2	20
N-Nitroso-di-n-propylamine	A	10.0	9.73	0.9015026	0.8770971	0.01	-2.7	20
Pentachlorophenol	A	10.0	12.0	0.108286	0.1295885	0.05	19.7	20
Phenanthrene	A	10.0	9.67	0.9682669	0.9362756	0.7	-3.3	20
Phenol	A	10.0	10.0	1.680502	1.68028	0.8	-0.01	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J15031-CCV1
Injection Date: 10/14/14
Calibration Date: 10/04/14 11:28
Sequence: 4J15031

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1014.D
Injection Time: 08:02
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	10.6	1.186095	1.260547	0.6	6.3	20
1,2,4-Trichlorobenzene	A	10.0	9.53	0.2893276	0.2756441	0.01	-4.7	20
2,4,5-Trichlorophenol	A	10.0	10.1	0.299758	0.3032327	0.2	1.2	20
2,4,6-Trichlorophenol	A	10.0	10.1	0.2865524	0.2900962	0.2	1.2	20

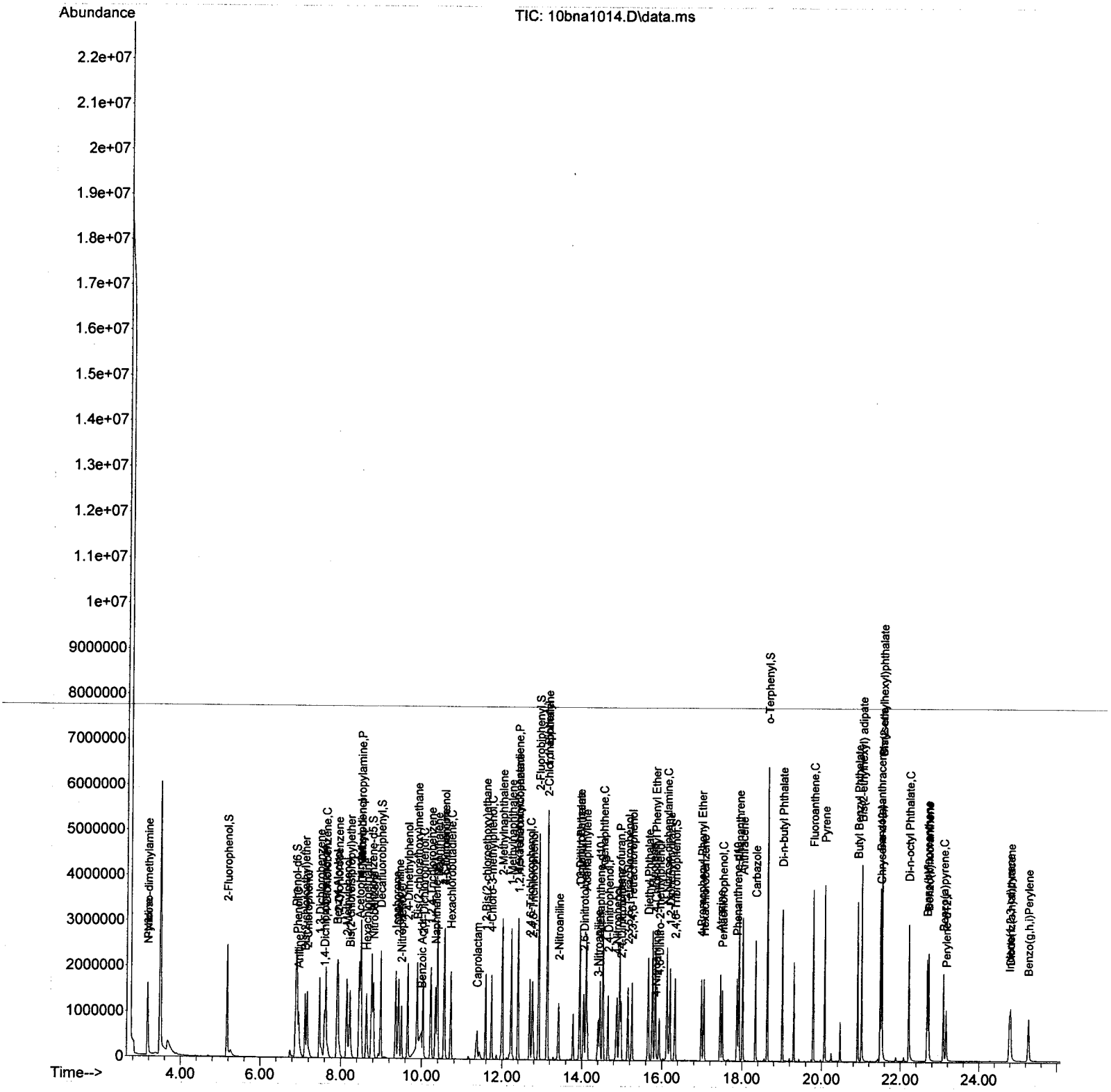
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 10bna1014.D
Acq On : 14 Oct 2014 8:02
Operator : JLB
Sample : 10bna1014 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 08:39:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 14 08:38:59 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 10bna1014.D
Acq On : 14 Oct 2014 8:02
Operator : JLB
Sample : 10bna1014 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 08:39:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 14 08:38:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.591	152	345842	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.336	136	1320623	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.451	164	715604	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.873	188	1066225	5.00	ng/uL	0.00
81) Chrysene-d12	21.498	240	774577	5.00	ng/uL	# 0.00
89) Perylene-d12	23.159	264	605074	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.172	112	1584419	20.05	ng/uL	0.00
6) Phenol-d6	6.892	99	2018552	19.73	ng/uL	0.00
21) Nitrobenzene-d5	8.769	82	1643466	19.47	ng/uL	0.00
23) Decafluorobiphenyl	8.990	334	1102755	18.63	ng/uL	0.00
47) 2-Fluorobiphenyl	12.919	172	2788496	18.86	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.334	330	333948	20.65	ng/uL	0.00
78) o-Terphenyl	18.636	230	1720712	18.82	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.173	74	540066	10.57	ng/uL#	69
3) Pyridine	3.167	79	840323	9.61	ng/uL#	75
5) Aniline	6.956	93	862169	10.20	ng/uL	94
7) Phenol	6.921	94	1162223	10.00	ng/uL	89
8) Bis(2-chloroethyl)ether	7.107	93	980575	10.02	ng/uL	92
9) 2-Chlorophenol	7.166	128	917447	9.95	ng/uL#	32
10) 1,3-Dichlorobenzene	7.469	146	969573	9.70	ng/uL	95
11) 1,4-Dichlorobenzene	7.626	146	977386	9.73	ng/uL	94
12) 1,2-Dichlorobenzene	7.929	146	899683	9.60	ng/uL	92
13) Bis(2-chloroisipropyl)...	8.226	45	1490011	9.57	ng/uL	97
14) Benzyl Alcohol	7.906	108	594854	10.00	ng/uL	87
15) 2-Methylphenol	8.145	108	823564	9.97	ng/uL	96
16) Acetophenone	8.460	105	1229413	9.86	ng/uL	90
17) Hexachloroethane	8.634	119	368693	9.89	ng/uL	97
18) 4-Methylphenol	8.495	108	799546	9.71	ng/uL#	48
19) N-Nitroso-di-n-propyla...	8.500	70	606674	9.73	ng/uL#	77
22) Nitrobenzene	8.809	77	911510	9.88	ng/uL#	1
24) Isophorone	9.363	82	1679515	9.90	ng/uL	99
25) 2-Chloroaniline	9.433	127	1089460	10.08	ng/uL	99
26) 2-Nitrophenol	9.503	139	438866	10.01	ng/uL#	87
27) 2,4-Dimethylphenol	9.660	107	793444	9.32	ng/uL#	59
28) Bis(2-chlorethoxy)methane	9.893	93	1017863	9.89	ng/uL	96
29) 2,4-Dichlorophenol	10.039	162	665121	9.92	ng/uL	99
30) Benzoic Acid	9.998	105	1215277	19.24	ng/uL	98
31) 1,2,4-Trichlorobenzene	10.226	180	728044	9.53	ng/uL	98
32) Naphthalene	10.389	128	2548938	9.67	ng/uL	99
33) 4-Chloroaniline	10.558	127	766125	ab ~~11.87~~	ng/uL#	79
34) 2,6-Dichlorophenol	10.558	162	634280	9.52	ng/uL	97
35) Hexachlorobutadiene	10.715	225	395916	9.49	ng/uL	99
36) Caprolactam	11.374	55	395623	10.41	ng/uL#	77
37) 1,2-Bis(2-chloroethoxy...	11.590	63	858327	9.96	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.735	107	733835	9.93	ng/uL	92
39) 2-Methylnaphthalene	12.003	142	1624700	9.68	ng/uL	99
40) 1-Methylnaphthalene	12.225	142	1476013	9.66	ng/uL	99
41) 1,3 Dinitrobenzene	13.944	168	256504	9.38	ng/uL	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 10bna1014.D
Acq On : 14 Oct 2014 8:02
Operator : JLB
Sample : 10bna1014 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 08:39:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 14 08:38:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.400	216	622354	9.82	ng/uL	99
44) Hexachlorocyclopentadiene	12.394	237	324369	9.22	ng/uL	98
45) 2,4,6-Trichlorophenol	12.691	196	415188	10.12	ng/uL	93
46) 2,4,5-Trichlorophenol	12.761	196	433989	10.12	ng/uL#	91
48) 2-Chloronaphthalene	13.140	162	1311862	9.47	ng/uL	91
49) 1,1'-Biphenyl	13.134	154	1802086	9.56	ng/uL	96
50) 2-Nitroaniline	13.420	138	481259	ab ~~10.28~~	ng/uL	99
51) Acenaphthylene	14.102	152	2214448	9.65	ng/uL#	88
52) 2,6-Dinitrotoluene	14.049	165	371490	10.05	ng/uL	97
53) Dimethyl Phthalate	13.950	163	1504719	9.72	ng/uL	99
54) 3-Nitroaniline	14.405	138	285501	ab ~~8.80~~	ng/uL#	1
55) Acenaphthene	14.527	153	1464662	9.70	ng/uL	98
56) 2,4-Dinitrophenol	14.661	184	363003	18.98	ng/uL	92
57) Dibenzofuran	14.947	168	1855741	9.47	ng/uL	100
58) 4-Nitrophenol	14.877	65	522284	17.90	ng/uL	99
59) 2,4-Dinitrotoluene	14.982	165	451176	9.73	ng/uL#	85
60) 2,3,5,6-Tetrachlorophenol	15.157	232	363695	10.31	ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.256	232	355884	10.02	ng/uL	96
62) Fluorene	15.763	166	1520704	9.59	ng/uL	96
63) Diethyl Phthalate	15.658	149	1387848	9.52	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.833	204	689959	9.43	ng/uL	91
65) 4-Nitroaniline	15.850	138	87146	ab ~~3.72~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.932	198	245342	9.85	ng/uL	95
68) N-Nitroso-diphenylamine	16.124	169	1153019	9.78	ng/uL	99
69) 1,2-Diphenylhydrazine	16.206	182	427416	10.00	ng/uL	79
71) 4-Bromophenyl Phenyl E...	16.987	248	363444	10.09	ng/uL	99
72) Hexachlorobenzene	17.051	284	392729	9.97	ng/uL	97
73) Atrazine	17.459	200	351245	9.89	ng/uL	98
74) Pentachlorophenol	17.511	266	276341	11.97	ng/uL	97
75) Phenanthrene	17.919	178	1996561	9.67	ng/uL	99
76) Anthracene	18.019	178	1962131	9.85	ng/uL	99
77) Carbazole	18.339	167	1590232	9.25	ng/uL	98
79) Di-n-butyl Phthalate	19.015	149	2078894	10.13	ng/uL	100
80) Fluoroanthene	19.790	202	1875202	9.52	ng/uL	95
82) Pyrene	20.082	202	1952782	10.63	ng/uL	98
83) Butyl Benzyl Phthalate	20.910	149	850277	11.72	ng/uL	91
84) Bis(2-ethylhexyl) adipate	21.009	129	833432	11.65	ng/uL#	100
85) Benzo(a)anthracene	21.487	228	1485888	10.52	ng/uL	99
86) Chrysene	21.527	228	1336200	9.69	ng/uL#	85
87) Bis(2-ethylhexyl)phtha...	21.533	149	1107300	11.92	ng/uL	93
88) Di-n-octyl Phthalate	22.209	149	1837759	11.12	ng/uL	100
90) Benzo(b)fluoroanthene	22.676	252	1190175	10.83	ng/uL	98
91) Benzo(k)fluoranthene	22.711	252	1229512	9.90	ng/uL	97
92) Benzo(a)pyrene	23.089	252	1115325	10.76	ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.786	276	990458	11.04	ng/uL#	87
94) Dibdenz(a,h)anthracene	24.809	278	774728	10.57	ng/uL#	87
95) Benzo(g,h,i)Perylene	25.269	276	865977	11.20	ng/uL	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J15031-CCV2
Injection Date: 10/14/14
Calibration Date: 10/04/14 11:28
Sequence: 4J15031

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1014.D
Injection Time: 08:34
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	9.99	0.3678384	0.4056042	0.01	-0.1	20
3,3´-Dichlorobenzidine	A	10.0	8.51	0.2873976	0.2446748	0.01	-14.9	20
4-Nitroaniline	L	10.0	8.74	0.2482629	0.2292968	0.01	-12.6	20
2-Nitroaniline	L	10.0	9.63	0.3358017	0.3412889	0.01	-3.7	20
3-Nitroaniline	L	10.0	9.38	0.2883083	0.2805555	0.01	-6.2	20

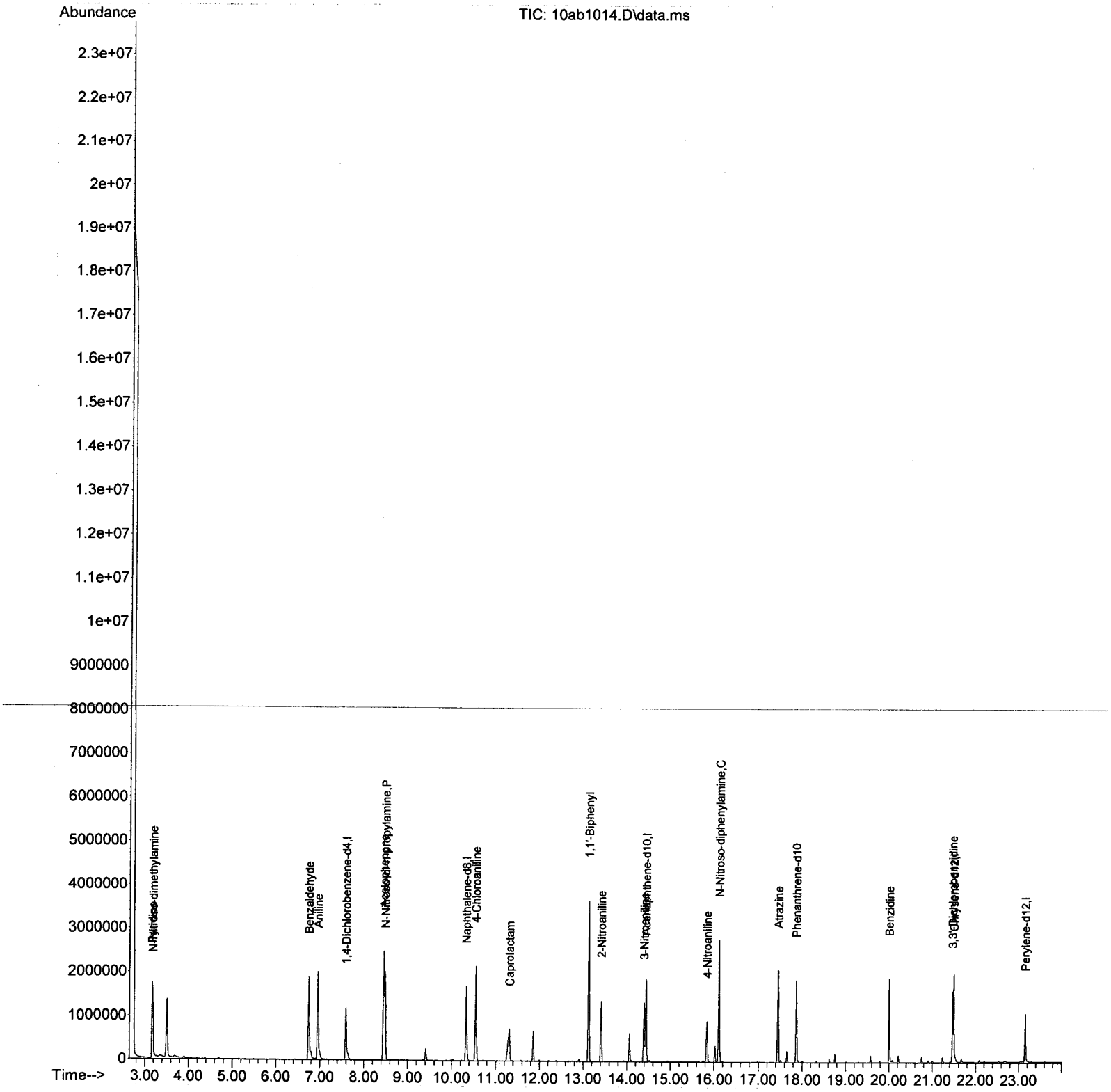
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 10ab1014.D
Acq On : 14 Oct 2014 8:34
Operator : JLB
Sample : 10ab1014 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 08:26:33 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:26:18 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 10ab1014.D
Acq On : 14 Oct 2014 8:34
Operator : JLB
Sample : 10ab1014 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 08:26:33 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:26:18 2014
Response via : Initial Calibration

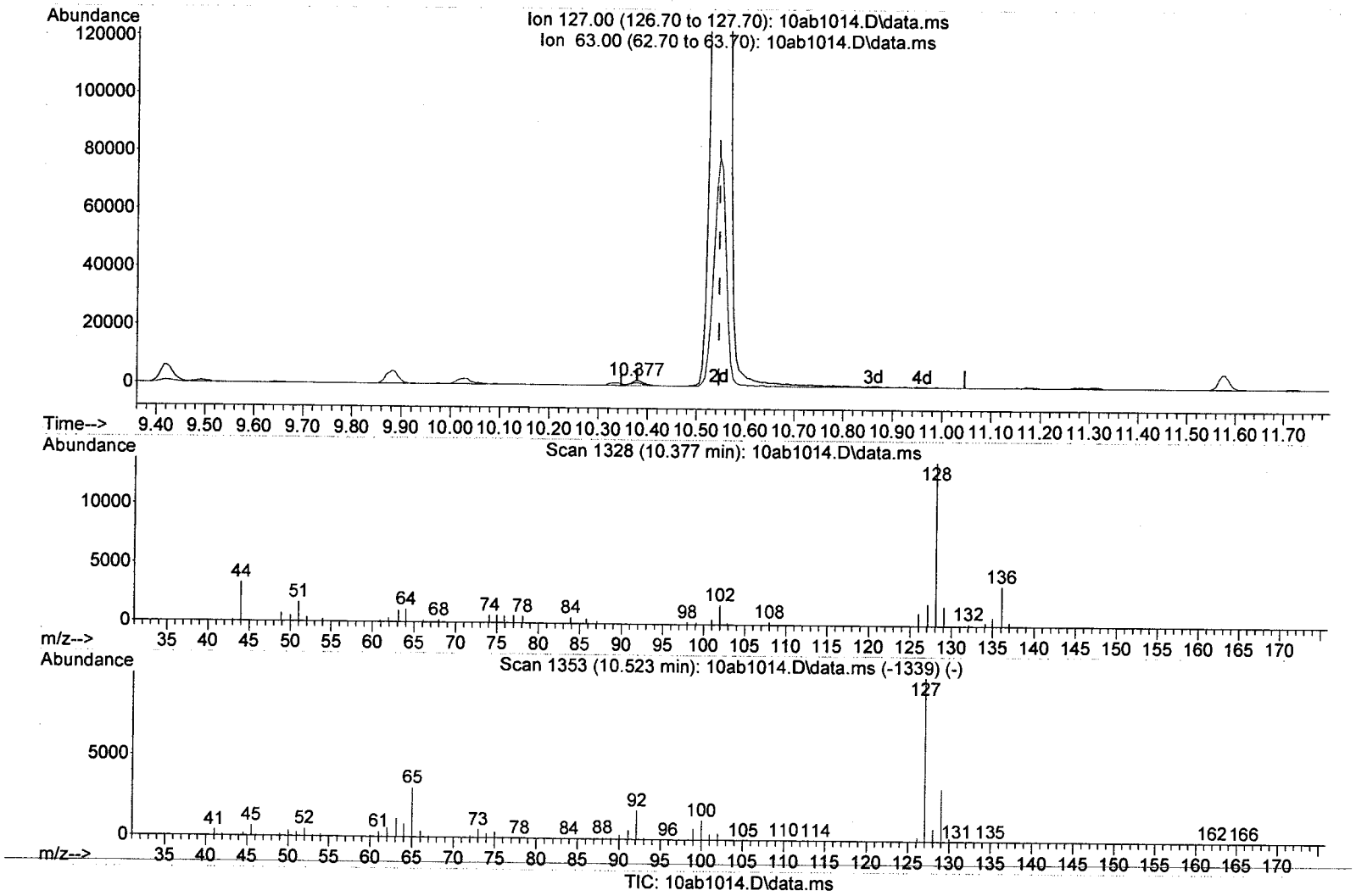
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.591	152	375030	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.331	136	1447819	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.440	164	745767	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.867	188	1066749	5.00	ng/uL	0.00
19) Chrysene-d12	21.493	240	789409	5.00	ng/uL	# 0.00
22) Perylene-d12	23.154	264	610762	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.185	74	531232	8.94	ng/uL	93
3) Pyridine	3.167	79	936235	8.95	ng/uL#	63
4) Aniline	6.956	93	1589248	9.91	ng/uL	95
5) Benzaldehyde	6.746	105	811736	9.86	ng/uL#	1
6) Acetophenone	8.454	105	1434941	10.05	ng/uL	90
7) N-Nitroso-di-n-propyla...	8.489	70	718527	9.96	ng/uL#	77
9) 4-Chloroaniline	10.546	127	1174483m	9.99	ng/uL	
10) Caprolactam	11.316	55	456426	9.84	ng/uL	94
12) 1,1'-Biphenyl	13.128	154	2175718	9.77	ng/uL	96
13) 2-Nitroaniline	13.414	138	509044	9.63	ng/uL	98
14) 3-Nitroaniline	14.399	138	418458	9.38	ng/uL#	1
15) 4-Nitroaniline	15.839	138	342004	8.74	ng/uL#	1
17) N-Nitroso-diphenylamine	16.119	169	1261984	10.16	ng/uL	98
18) Atrazine	17.459	200	410598	10.40	ng/uL	97
20) Benzidine	20.000	184	882977	8.19	ng/uL	97
21) 3,3'-Dichlorobenzidine	21.463	252	386297	8.51	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 10ab1014.D
Acq On : 14 Oct 2014 8:34
Operator : JLB
Sample : 10ab1014 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 08:26:22 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:26:18 2014
Response via : Initial Calibration



(9) 4-Chloroaniline

10.377min (-0.169) 0.03 ng/uL

response 2787

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	51.31
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/15/14

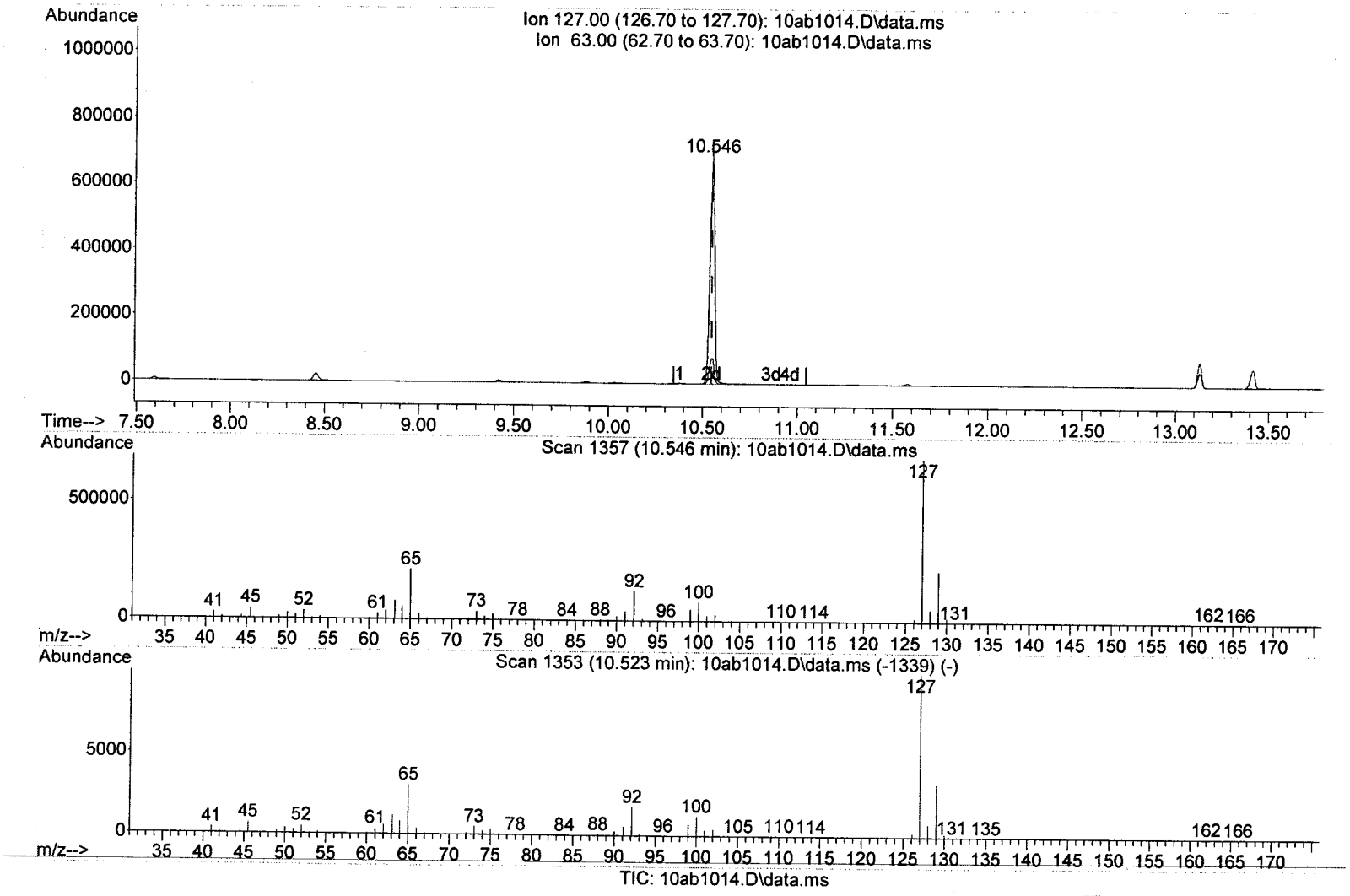
DWS 10-15-14

001347

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 10ab1014.D
Acq On : 14 Oct 2014 8:34
Operator : JLB
Sample : 10ab1014 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 08:26:22 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:26:18 2014
Response via : Initial Calibration



(9) 4-Chloroaniline

10.546min (0.000) 9.99 ng/uL m

response 1174483

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	0.12#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes / No)

Analyst: _____ Date: 10/15/14

Reviewed By: _____ Date: 10-15-14

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J15034-CCV1
Injection Date: 10/14/14
Calibration Date: 10/04/14 11:28
Sequence: 4J15034

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1014.D
Injection Time: 13:35
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.70	1.055312	1.023374	0.9	-3.0	20
Acenaphthylene	A	10.0	9.63	1.602723	1.542761	0.9	-3.7	20
Anthracene	A	10.0	9.84	0.9344171	0.9193819	0.7	-1.6	20
Benzo(a)anthracene	A	10.0	10.2	0.9113378	0.9300971	0.8	2.1	20
Benzo(a)pyrene	A	10.0	10.7	0.8566272	0.9181691	0.7	7.2	20
Benzo(b)fluoranthene	A	10.0	10.3	0.9083445	0.9339797	0.7	2.8	20
Benzo(k)fluoranthene	A	10.0	9.73	1.026063	0.9979312	0.7	-2.7	20
Benzo(g,h,i)perylene	A	10.0	11.4	0.6387196	0.7287383	0.5	14.1	20
Benzoic Acid	L	20.0	17.1	0.2268224	0.200206	0.01	-14.7	20
Benzyl Alcohol	A	10.0	10.0	0.859675	0.8602853	0.01	0.07	20
4-Bromophenyl Phenyl Ether	A	10.0	9.74	0.1689127	0.1645076	0.1	-2.6	20
Butyl Benzyl Phthalate	A	10.0	10.9	0.4682775	0.5086047	0.01	8.6	20
Carbazole	A	10.0	9.76	0.8059797	0.7865101	0.01	-2.4	20
4-Chloro-3-methylphenol	A	10.0	9.52	0.2797675	0.2662145	0.2	-4.8	20
Bis(2-chloroethoxy)methane	A	10.0	9.80	0.3898008	0.382066	0.3	-2.0	20
Bis(2-chloroethyl) Ether	A	10.0	10.1	1.415296	1.430312	0.7	1.1	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.75	2.250618	2.194296	0.01	-2.5	20
2-Chloronaphthalene	A	10.0	9.50	0.9680318	0.9198287	0.8	-5.0	20
2-Chlorophenol	A	10.0	9.96	1.333337	1.327621	0.8	-0.4	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.18	0.5112369	0.4694377	0.4	-8.2	20
Chrysene	A	10.0	9.59	0.8904179	0.8542788	0.7	-4.1	20
Dibenz(a,h)anthracene	A	10.0	11.6	0.6055826	0.6996598	0.4	15.5	20
Dibenzofuran	A	10.0	9.40	1.36941	1.287423	0.8	-6.0	20
Di-n-butyl Phthalate	A	10.0	10.2	0.9619959	0.9832553	0.01	2.2	20
1,4-Dichlorobenzene	A	10.0	9.73	1.451559	1.411878	0.01	-2.7	20
1,2-Dichlorobenzene	A	10.0	9.74	1.355521	1.32071	0.01	-2.6	20
1,3-Dichlorobenzene	A	10.0	9.82	1.444903	1.418557	0.01	-1.8	20
2,4-Dichlorophenol	A	10.0	9.58	0.2539136	0.2432109	0.2	-4.2	20
Diethyl Phthalate	A	10.0	9.38	1.019087	0.9555427	0.01	-6.2	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J15034-CCV1
Lab File ID: 10bna1014.D
Injection Date: 10/14/14
Injection Time: 13:35
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J15034
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.14	0.3221636	0.2945135	0.2	-8.6	20
Dimethyl Phthalate	A	10.0	9.43	1.081514	1.019425	0.01	-5.7	20
4,6-Dinitro-2-methylphenol	L	10.0	10.0	9.711342E-02	0.1174951	0.01	0.4	20
2,4-Dinitrophenol	L	20.0	18.7	0.1272305	0.1248238	0.01	-6.4	20
2,6-Dinitrotoluene	A	10.0	9.90	0.2581995	0.2557209	0.2	-1.0	20
2,4-Dinitrotoluene	A	10.0	9.72	0.3239502	0.3148332	0.2	-2.8	20
Di-n-octyl Phthalate	L	10.0	10.3	0.9447342	1.097852	0.01	3.1	20
1,2-Diphenylhydrazine	A	10.0	9.91	0.2003691	0.198532	0.01	-0.9	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.6	0.5996469	0.6347995	0.01	5.9	20
Fluoranthene	A	10.0	9.85	0.9237645	0.9101874	0.6	-1.5	20
Fluorene	A	10.0	9.49	1.107485	1.051064	0.9	-5.1	20
Hexachlorobenzene	A	10.0	10.0	0.1846747	0.1846513	0.1	-0.01	20
Hexachlorobutadiene	A	10.0	9.23	0.1578851	0.1456877	0.01	-7.7	20
Hexachloroethane	A	10.0	9.68	0.5390411	0.5216396	0.3	-3.2	20
Indeno(1,2,3-cd)pyrene	A	10.0	11.6	0.7411104	0.8559489	0.5	15.5	20
Isophorone	A	10.0	9.80	0.6426017	0.6295085	0.4	-2.0	20
2-Methylnaphthalene	A	10.0	9.45	0.6357622	0.6010082	0.4	-5.5	20
3+4-Methylphenol	A	10.0	9.65	1.190003	1.147865	0.6	-3.5	20
2-Methylphenol	A	10.0	9.85	1.194064	1.176401	0.7	-1.5	20
Naphthalene	A	10.0	9.61	0.9981756	0.9594068	0.4	-3.9	20
Nitrobenzene	A	10.0	9.78	0.349211	0.341655	0.2	-2.2	20
2-Nitrophenol	A	10.0	9.89	0.1660685	0.1641872	0.1	-1.1	20
4-Nitrophenol	A	20.0	17.6	0.2039171	0.1790251	0.01	-12.2	20
N-Nitroso-dimethylamine	A	10.0	9.44	0.7385079	0.6968785	0.01	-5.6	20
N-Nitroso-diphenylamine	A	10.0	9.79	0.5529454	0.541331	0.01	-2.1	20
N-Nitroso-di-n-propylamine	A	10.0	9.74	0.9015026	0.8779993	0.01	-2.6	20
Pentachlorophenol	A	10.0	11.9	0.108286	0.1284454	0.05	18.6	20
Phenanthrene	A	10.0	9.71	0.9682669	0.9400767	0.7	-2.9	20
Phenol	A	10.0	9.97	1.680502	1.675059	0.8	-0.3	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J15034-CCV1
Injection Date: 10/14/14
Calibration Date: 10/04/14 11:28
Sequence: 4J15034

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1014.D
Injection Time: 13:35
Calibration: 4J06006
Instrument ID: 339

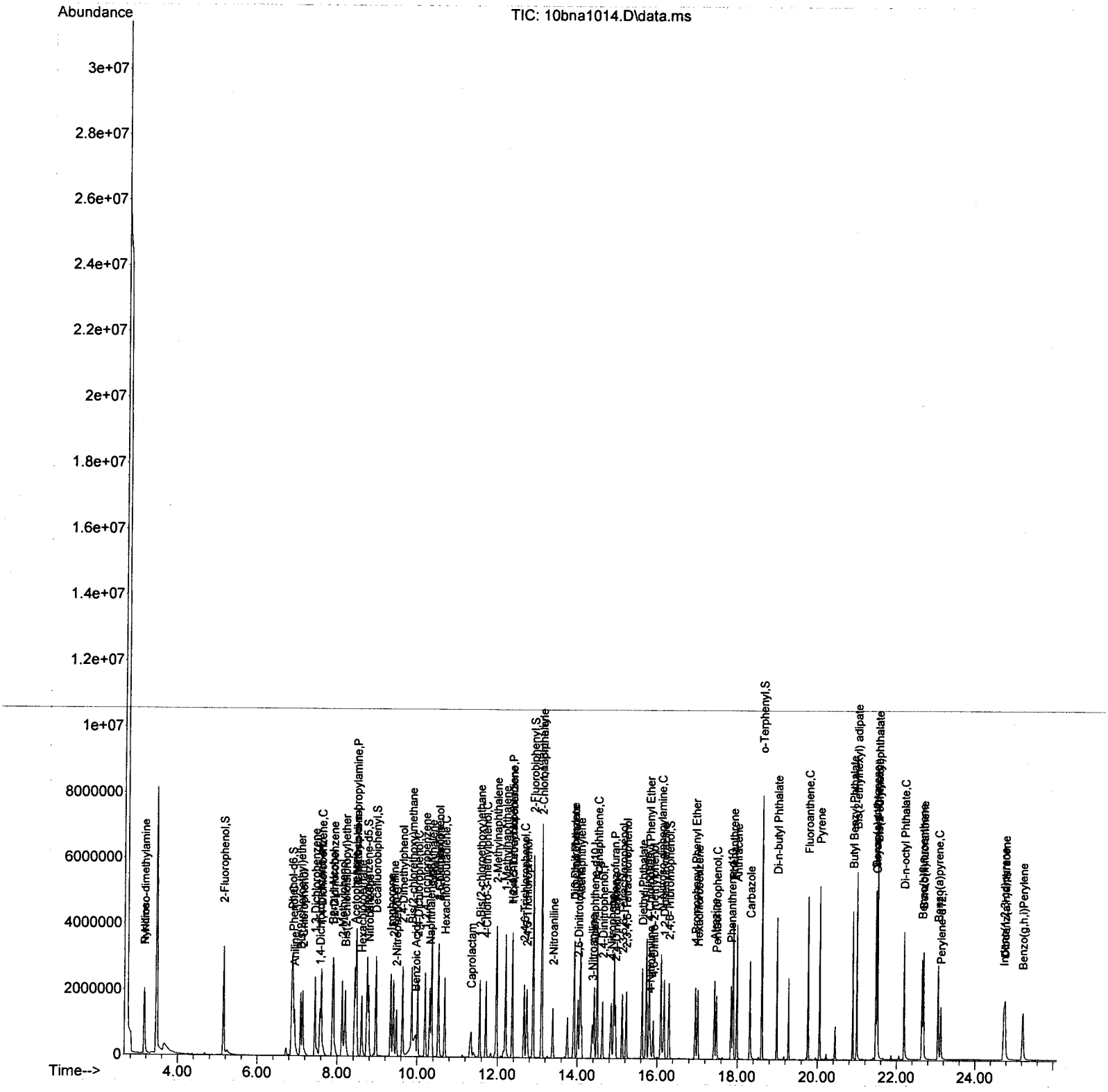
Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	10.4	1.186095	1.227138	0.6	3.5	20
1,2,4-Trichlorobenzene	A	10.0	9.43	0.2893276	0.2728872	0.01	-5.7	20
2,4,5-Trichlorophenol	A	10.0	9.82	0.299758	0.2945067	0.2	-1.8	20
2,4,6-Trichlorophenol	A	10.0	9.94	0.2865524	0.284843	0.2	-0.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 10bna1014.D
Acq On : 14 Oct 2014 13:35
Operator : JLB
Sample : 10bna1014 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 07:47:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



100414bna.M Wed Oct 15 07:47:53 2014 339

004232

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 10bna1014.D
Acq On : 14 Oct 2014 13:35
Operator : JLB
Sample : 10bna1014 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 07:47:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.568	152	451903	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.313	136	1732126	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.416	164	915901	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.844	188	1356308	5.00	ng/uL	0.00
81) Chrysene-d12	21.475	240	1040772	5.00	ng/uL	# 0.00
89) Perylene-d12	23.130	264	887477	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.149	112	2054297	19.90	ng/uL	0.00
6) Phenol-d6	6.874	99	2612159	19.54	ng/uL	0.00
21) Nitrobenzene-d5	8.745	82	2136049	19.29	ng/uL	0.00
23) Decafluorobiphenyl	8.967	334	1411276	18.18	ng/uL	0.00
47) 2-Fluorobiphenyl	12.889	172	3561186	18.82	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.299	330	416987	20.27	ng/uL	0.00
78) o-Terphenyl	18.613	230	2203565	18.95	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.155	74	629843m	9.44	ng/uL	
3) Pyridine	3.150	79	1107633	9.69	ng/uL#	75
5) Aniline	6.932	93	1155860	10.46	ng/uL	94
7) Phenol	6.897	94	1513928	9.97	ng/uL	93
8) Bis(2-chloroethyl)ether	7.090	93	1292725	10.11	ng/uL	92
9) 2-Chlorophenol	7.142	128	1199912	9.96	ng/uL#	32
10) 1,3-Dichlorobenzene	7.445	146	1282100	9.82	ng/uL	97
11) 1,4-Dichlorobenzene	7.603	146	1276064	9.73	ng/uL	95
12) 1,2-Dichlorobenzene	7.906	146	1193666	9.74	ng/uL	94
13) Bis(2-chloroisipropyl)...	8.203	45	1983218	9.75	ng/uL	97
14) Benzyl Alcohol	7.883	108	777531	10.01	ng/uL	85
15) 2-Methylphenol	8.121	108	1063238	9.85	ng/uL	96
16) Acetophenone	8.436	105	1593223	9.78	ng/uL	89
17) Hexachloroethane	8.605	119	471461	9.68	ng/uL	96
18) 4-Methylphenol	8.477	108	1037447	9.65	ng/uL#	47
19) N-Nitroso-di-n-propyla...	8.477	70	793541	9.74	ng/uL#	78
22) Nitrobenzene	8.786	77	1183579	9.78	ng/uL#	1
24) Isophorone	9.334	82	2180776	9.80	ng/uL	99
25) 2-Chloroaniline	9.404	127	1436239	10.13	ng/uL	99
26) 2-Nitrophenol	9.480	139	568786	9.89	ng/uL#	85
27) 2,4-Dimethylphenol	9.631	107	1020269	9.14	ng/uL#	66
28) Bis(2-chlorethoxy)methane	9.864	93	1323573	9.80	ng/uL	96
29) 2,4-Dichlorophenol	10.010	162	842544	9.58	ng/uL	99
30) Benzoic Acid	9.963	105	1387128	17.06	ng/uL	98
31) 1,2,4-Trichlorobenzene	10.196	180	945350	9.43	ng/uL	98
32) Naphthalene	10.360	128	3323627	9.61	ng/uL	99
33) 4-Chloroaniline	10.529	127	884940	(v) ~~10.45~~	ng/uL#	72
34) 2,6-Dichlorophenol	10.529	162	812981	9.31	ng/uL	98
35) Hexachlorobutadiene	10.686	225	504699	9.23	ng/uL	98
36) Caprolactam	11.345	55	492169	9.87	ng/uL#	80
37) 1,2-Bis(2-chloroethoxy...	11.560	63	1074186	9.51	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.712	107	922234	9.52	ng/uL	92
39) 2-Methylnaphthalene	11.974	142	2082044	9.45	ng/uL	99
40) 1-Methylnaphthalene	12.196	142	1890503	9.43	ng/uL	99
41) 1,3 Dinitrobenzene	13.915	168	320522	8.93	ng/uL	100

004253

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 10bna1014.D
Acq On : 14 Oct 2014 13:35
Operator : JLB
Sample : 10bna1014 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 07:47:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.371	216	794451	9.79	ng/uL	98
44) Hexachlorocyclopentadiene	12.359	237	369700	8.21	ng/uL	98
45) 2,4,6-Trichlorophenol	12.662	196	521776	9.94	ng/uL	94
46) 2,4,5-Trichlorophenol	12.726	196	539478	9.82	ng/uL#	93
48) 2-Chloronaphthalene	13.111	162	1684944	9.50	ng/uL	92
49) 1,1'-Biphenyl	13.105	154	2301840	9.54	ng/uL	96
50) 2-Nitroaniline	13.391	138	600337 ab	~~10.02~~	ng/uL	100
51) Acenaphthylene	14.073	152	2826033	9.63	ng/uL#	88
52) 2,6-Dinitrotoluene	14.020	165	468430	9.90	ng/uL	96
53) Dimethyl Phthalate	13.921	163	1867384	9.43	ng/uL	99
54) 3-Nitroaniline	14.376	138	366337 ab	~~8.82~~	ng/uL#	1
55) Acenaphthene	14.498	153	1874619	9.70	ng/uL	98
56) 2,4-Dinitrophenol	14.632	184	457305	18.72	ng/uL	93
57) Dibenzofuran	14.918	168	2358304	9.40	ng/uL	99
58) 4-Nitrophenol	14.848	65	655877	17.56	ng/uL	98
59) 2,4-Dinitrotoluene	14.953	165	576712	9.72	ng/uL#	84
60) 2,3,5,6-Tetrachlorophenol	15.128	232	442667	9.81	ng/uL	97
61) 2,3,4,6-Tetrachlorophenol	15.227	232	437919	9.63	ng/uL	95
62) Fluorene	15.734	166	1925341	9.49	ng/uL	96
63) Diethyl Phthalate	15.629	149	1750365	9.38	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.804	204	859917	9.18	ng/uL	91
65) 4-Nitroaniline	15.827	138	276778 ab	~~9.23~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.903	198	318719	10.04	ng/uL	97
68) N-Nitroso-diphenylamine	16.095	169	1468423	9.79	ng/uL	99
69) 1,2-Diphenylhydrazine	16.177	182	538541	9.91	ng/uL	78
71) 4-Bromophenyl Phenyl E...	16.958	248	446246	9.74	ng/uL	98
72) Hexachlorobenzene	17.022	284	500888	10.00	ng/uL	97
73) Atrazine	17.436	200	453935	10.04	ng/uL	98
74) Pentachlorophenol	17.482	266	348423	11.86	ng/uL	97
75) Phenanthrene	17.890	178	2550067	9.71	ng/uL	99
76) Anthracene	17.989	178	2493930	9.84	ng/uL	99
77) Carbazole	18.316	167	2133500	9.76	ng/uL	99
79) Di-n-butyl Phthalate	18.992	149	2667194	10.22	ng/uL	99
80) Fluoroanthene	19.767	202	2468989	9.85	ng/uL	96
82) Pyrene	20.059	202	2554341	10.35	ng/uL	97
83) Butyl Benzyl Phthalate	20.886	149	1058683	10.86	ng/uL	91
84) Bis(2-ethylhexyl) adipate	20.985	129	1013277	10.55	ng/uL#	100
85) Benzo(a)anthracene	21.463	228	1936038	10.21	ng/uL	98
86) Chrysene	21.504	228	1778219	9.59	ng/uL#	86
87) Bis(2-ethylhexyl)phtha...	21.516	149	1321363	10.59	ng/uL	92
88) Di-n-octyl Phthalate	22.186	149	2285227	10.31	ng/uL	100
90) Benzo(b)fluoroanthene	22.652	252	1657771	10.28	ng/uL	97
91) Benzo(k)fluoranthene	22.681	252	1771282	9.73	ng/uL	96
92) Benzo(a)pyrene	23.060	252	1629708	10.72	ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.739	276	1519270	11.55	ng/uL#	85
94) Dibdenz(a,h)anthracene	24.768	278	1241864	11.55	ng/uL#	88
95) Benzo(g,h,i)Perylene	25.223	276	1293477	11.41	ng/uL	91

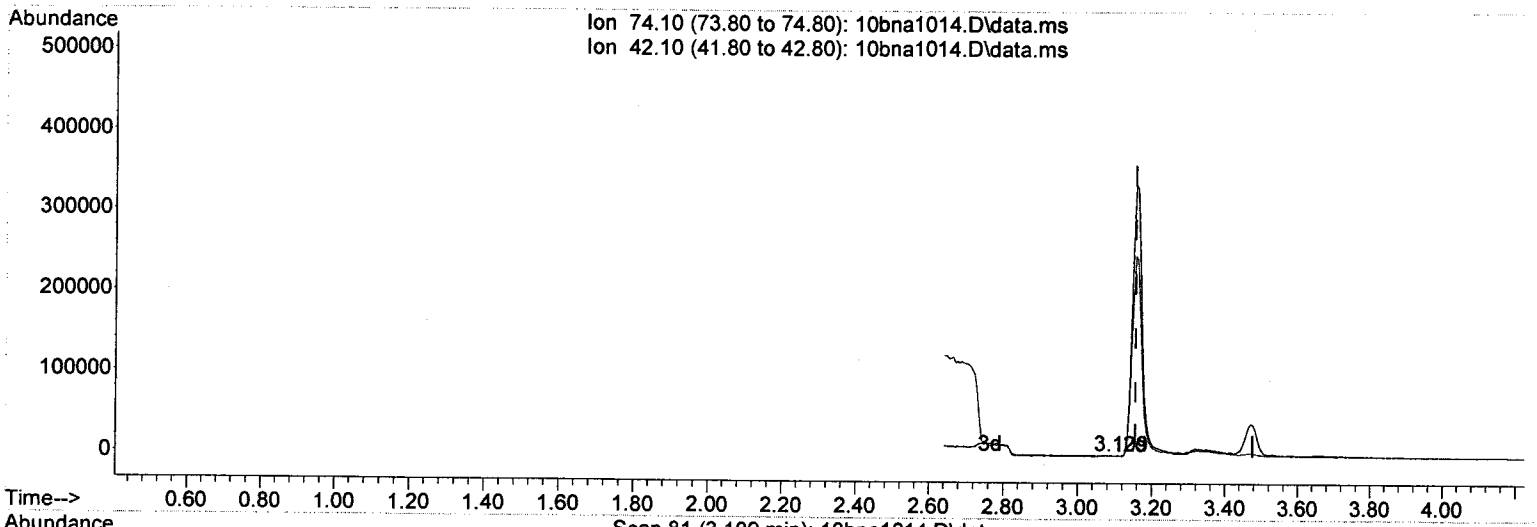
(#) = qualifier out of range (m) = manual integration (+) = signals summed

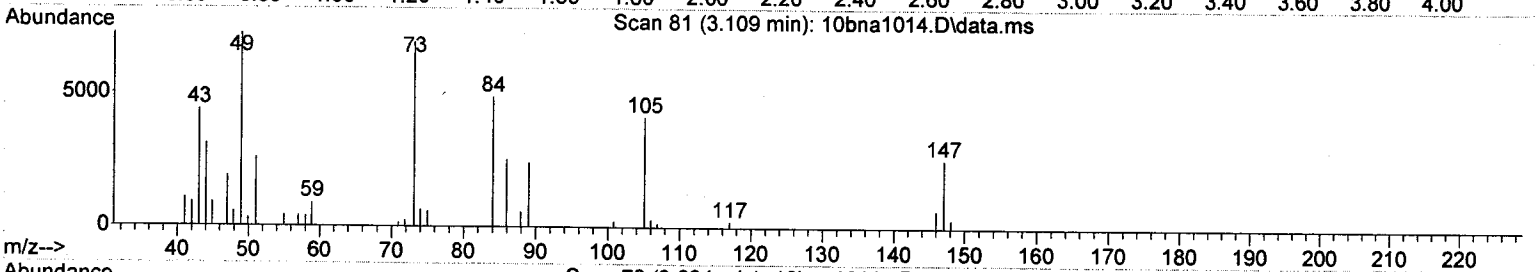
004254

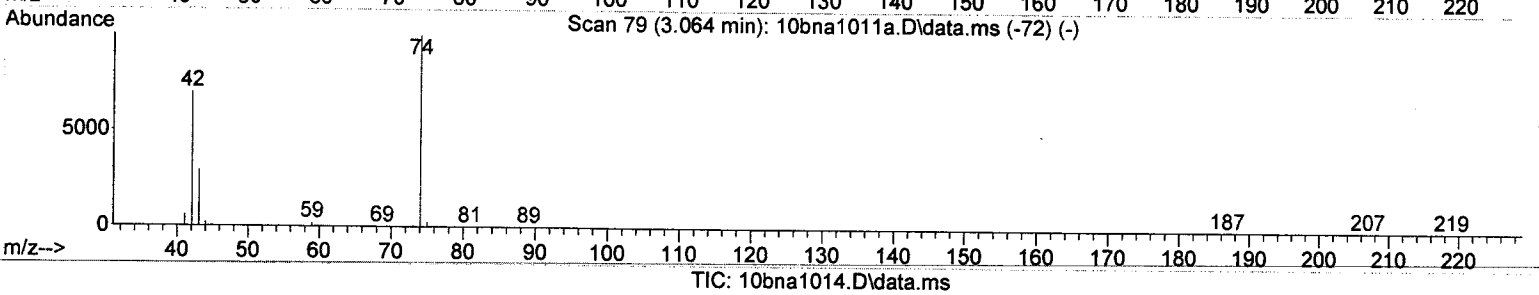
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 10bna1014.D
Acq On : 14 Oct 2014 13:35
Operator : JLB
Sample : 10bna1014 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 07:47:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration







TIC: 10bna1014.D\data.ms

(2) N-Nitroso-dimethylamine

3.109min (-0.047) 0.01 ng/uL

response 733

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	109.96
0.00	0.00	0.00
0.00	0.00	0.00

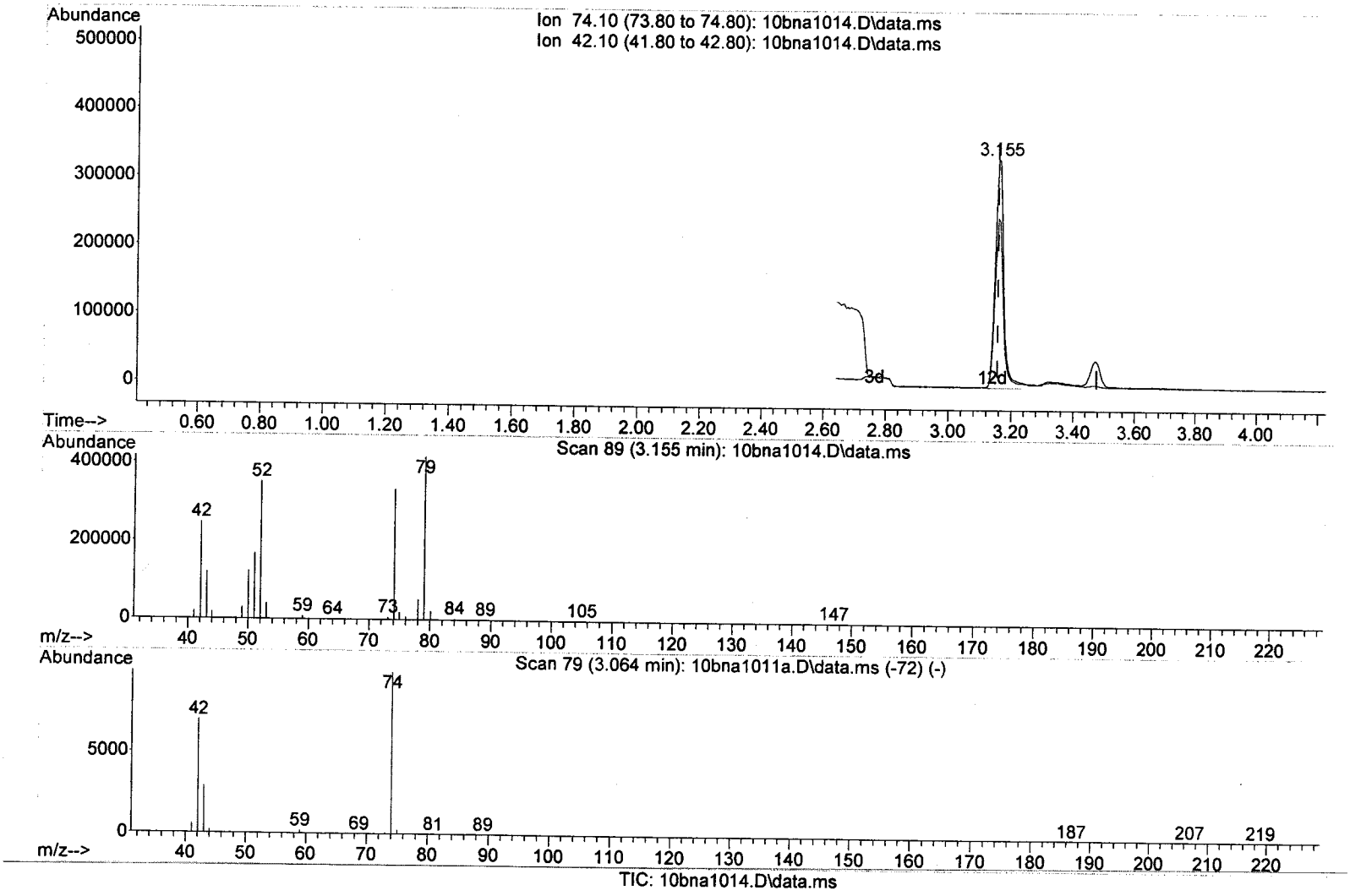
JWS 10/15/14

DWS 10-15-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 10bna1014.D
Acq On : 14 Oct 2014 13:35
Operator : JLB
Sample : 10bna1014 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 07:47:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:47:13 2014
Response via : Initial Calibration



TIC: 10bna1014.D\data.ms

(2) N-Nitroso-dimethylamine

3.155min (0.000) 9.44 ng/uL m

response 629843

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	0.13#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No

Analyst: JLB Date: 10/15/14

Reviewed By: DW Date: 10-15-14

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J15034-CCV2
Injection Date: 10/14/14
Calibration Date: 10/04/14 11:28
Sequence: 4J15034

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1014.D
Injection Time: 14:08
Calibration: 4J06006
Instrument ID: 339

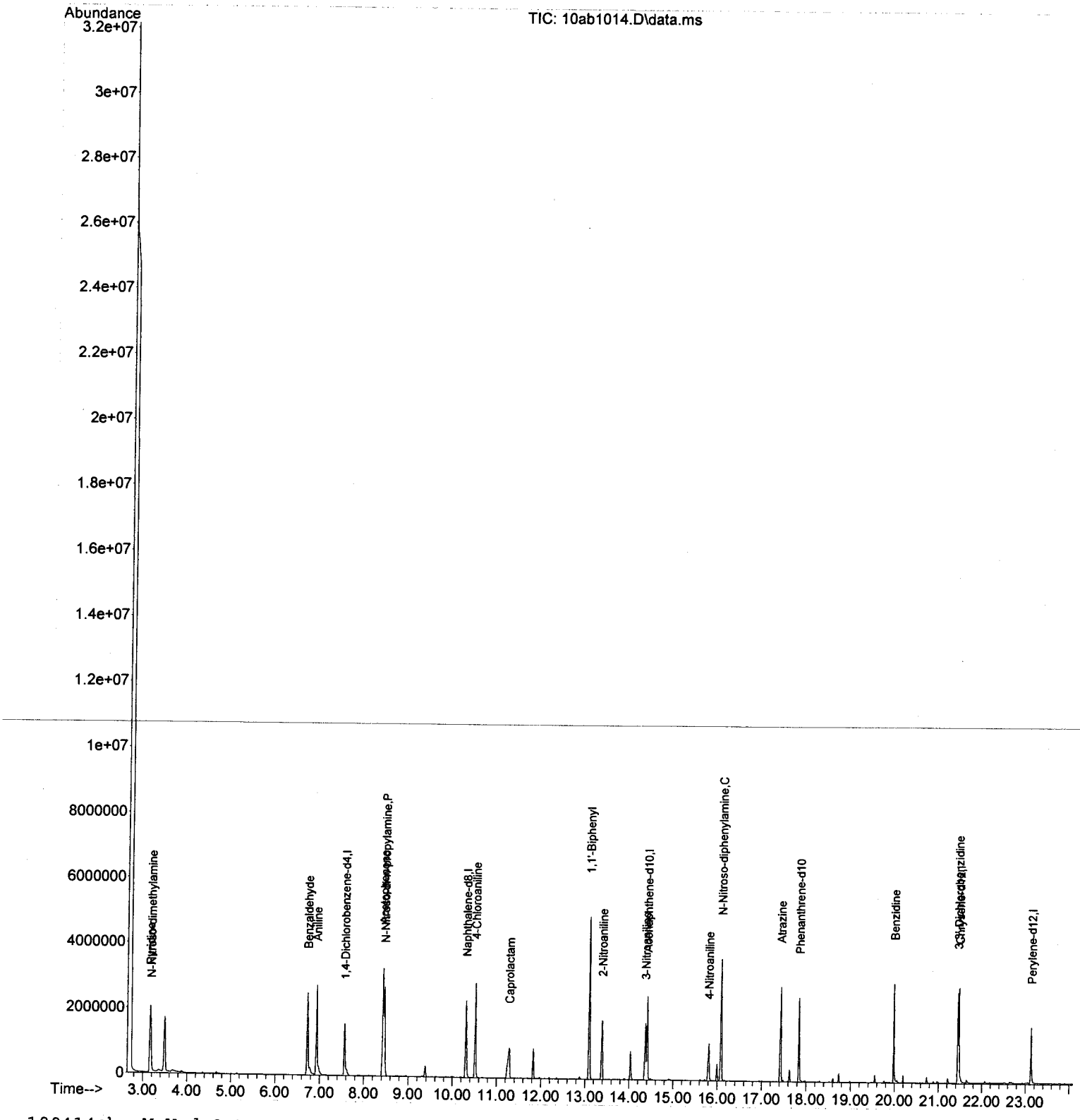
Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	9.97	0.3678384	0.4044468	0.01	-0.3	20
3,3'-Dichlorobenzidine	A	10.0	9.92	0.2873976	0.285122	0.01	-0.8	20
4-Nitroaniline	L	10.0	8.15	0.2482629	0.2137846	0.01	-18.5	20
2-Nitroaniline	L	10.0	9.55	0.3358017	0.3384222	0.01	-4.5	20
3-Nitroaniline	L	10.0	9.06	0.2883083	0.2708271	0.01	-9.4	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 10ab1014.D
Acq On : 14 Oct 2014 14:08
Operator : JLB
Sample : 10ab1014 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 07:45:37 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 10ab1014.D
Acq On : 14 Oct 2014 14:08
Operator : JLB
Sample : 10ab1014 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 07:45:37 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.568	152	499398	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.307	136	1942081	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.410	164	1034291	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.844	188	1473625	5.00	ng/uL		0.00
19) Chrysene-d12	21.475	240	1152047	5.00	ng/uL	#	0.00
22) Perylene-d12	23.130	264	936301	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.179	74	703501m	8.89	ng/uL		
3) Pyridine	3.155	79	1240154	8.90	ng/uL#		60
4) Aniline	6.932	93	2183079	10.22	ng/uL		95
5) Benzaldehyde	6.728	105	1091442	9.95	ng/uL#		1
6) Acetophenone	8.430	105	1913703	10.06	ng/uL		90
7) N-Nitroso-di-n-propyla...	8.465	70	966706	10.07	ng/uL#		78
9) 4-Chloroaniline	10.523	127	1570937	9.97	ng/uL#		44
10) Caprolactam	11.286	55	594239	9.55	ng/uL		94
12) 1,1'-Biphenyl	13.099	154	2965994	9.60	ng/uL		96
13) 2-Nitroaniline	13.390	138	700054	9.55	ng/uL		99
14) 3-Nitroaniline	14.370	138	560228	9.06	ng/uL#		1
15) 4-Nitroaniline	15.809	138	442231	8.15	ng/uL#		1
17) N-Nitroso-diphenylamine	16.089	169	1726206	10.06	ng/uL		97
18) Atrazine	17.430	200	547229	10.03	ng/uL		97
20) Benzidine	19.983	184	1433531	9.06	ng/uL		98
21) 3,3'-Dichlorobenzidine	21.446	252	656948	9.92	ng/uL		98

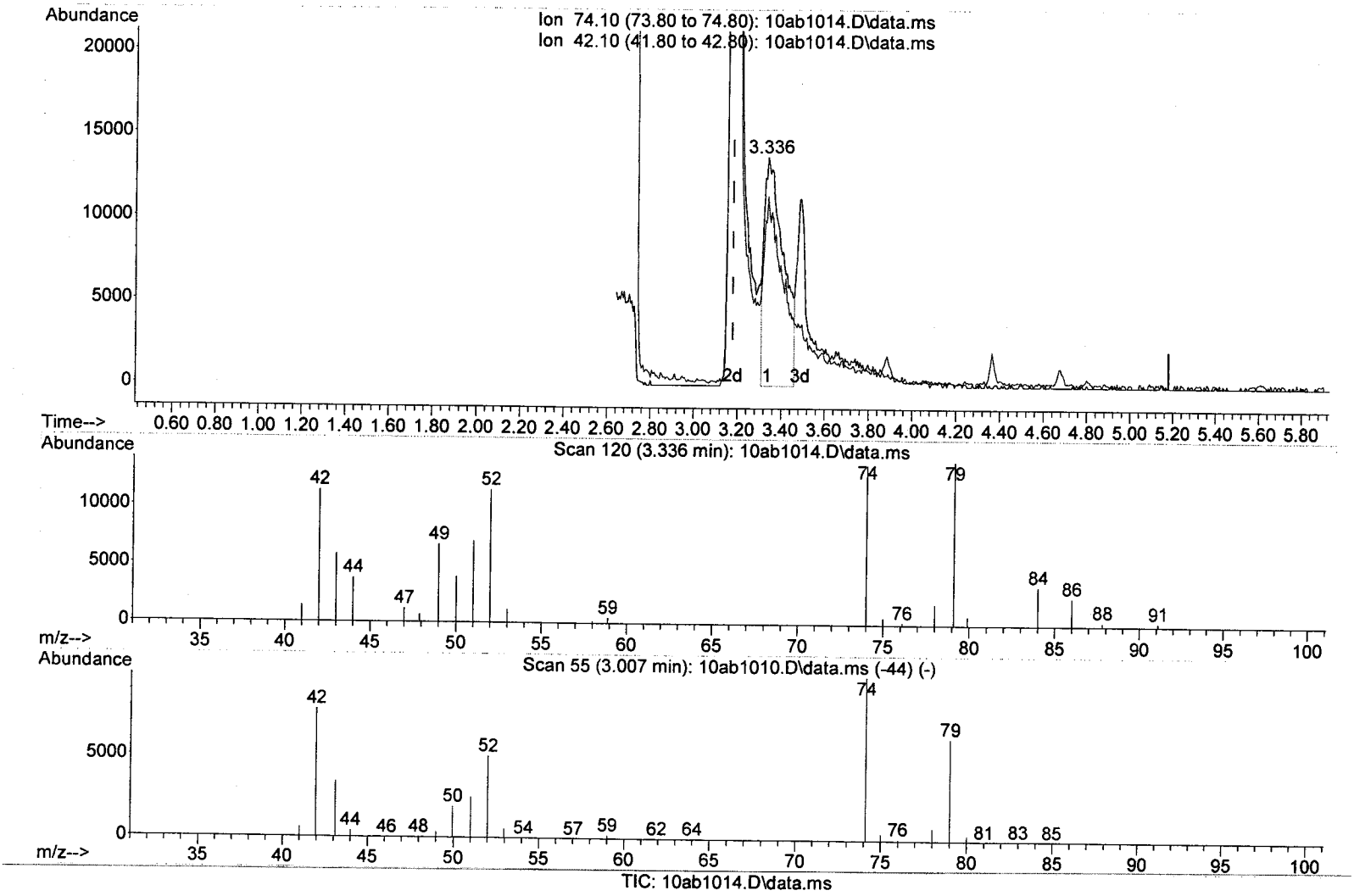
(#) = qualifier out of range (m) = manual integration (+) = signals summed

004259

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 10ab1014.D
Acq On : 14 Oct 2014 14:08
Operator : JLB
Sample : 10ab1014 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 07:45:23 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration



TIC: 10ab1014.D\data.ms

(2) N-Nitroso-dimethylamine

3.336min (+ 0.157) 1.05 ng/uL

response 83273

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	113.05
0.00	0.00	0.00
0.00	0.00	0.00

JWB 10/15/14

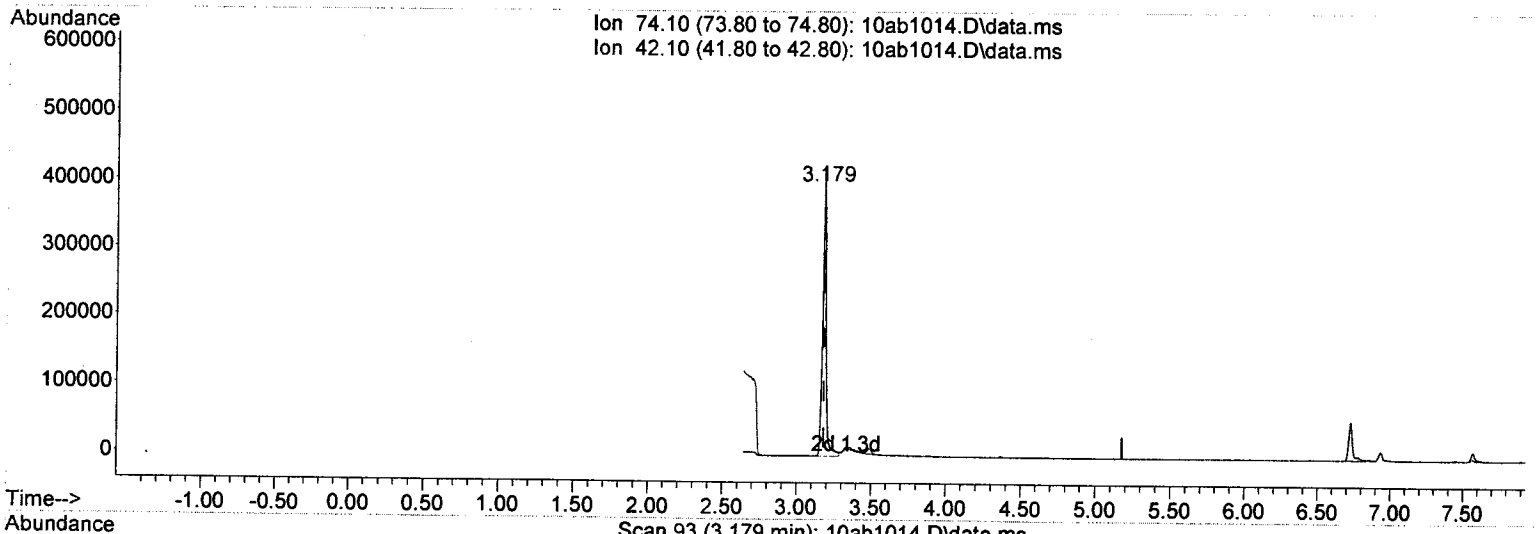
DWJ 10-15-14

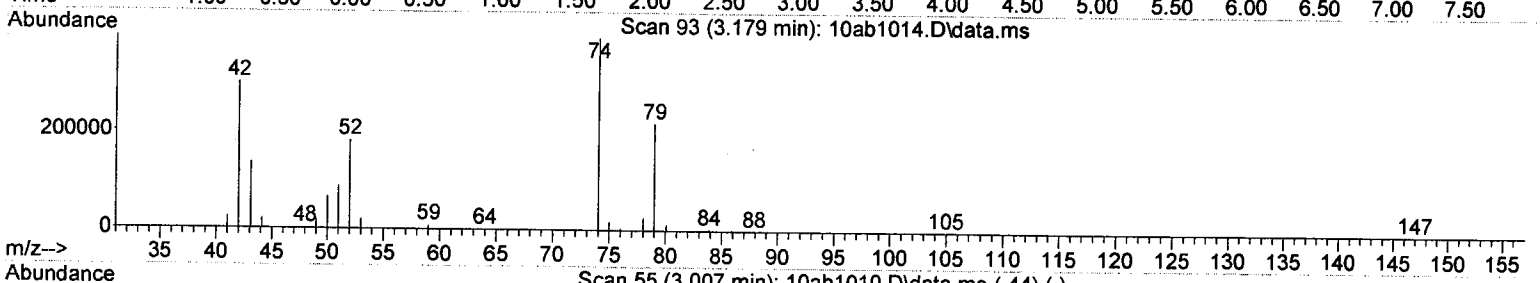
004260

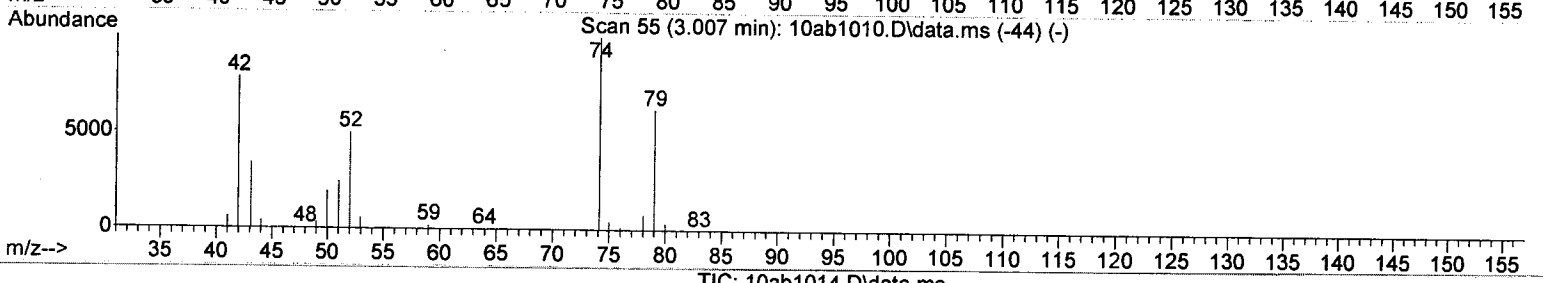
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : 10ab1014.D
Acq On : 14 Oct 2014 14:08
Operator : JLB
Sample : 10ab1014 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 07:45:23 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 07:45:19 2014
Response via : Initial Calibration







TIC: 10ab1014.D\data.ms

(2) N-Nitroso-dimethylamine

3.179min (0.000) 8.89 ng/uL m

response 703501

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	13.38#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes) / No Date: 10/15/14
Analyst: JLB Date: 10-15-14
Reviewed By: DW

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J17060-CCV1
Injection Date: 10/17/14
Calibration Date: 10/04/14 11:28
Sequence: 4J17060

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1017.D
Injection Time: 08:07
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.59	1.055312	1.012149	0.9	-4.1	20
Acenaphthylene	A	10.0	9.66	1.602723	1.54779	0.9	-3.4	20
Anthracene	A	10.0	9.97	0.9344171	0.9316996	0.7	-0.3	20
Benzo(a)anthracene	A	10.0	9.32	0.9113378	0.8493524	0.8	-6.8	20
Benzo(a)pyrene	A	10.0	10.2	0.8566272	0.8769627	0.7	2.4	20
Benzo(b)fluoranthene	A	10.0	9.78	0.9083445	0.888022	0.7	-2.2	20
Benzo(k)fluoranthene	A	10.0	10.4	1.026063	1.062338	0.7	3.5	20
Benzo(g,h,i)perylene	A	10.0	9.27	0.6387196	0.591864	0.5	-7.3	20
Benzoic Acid	L	20.0	18.7	0.2268224	0.2232033	0.01	-6.3	20
Benzyl Alcohol	A	10.0	9.65	0.859675	0.8299871	0.01	-3.5	20
4-Bromophenyl Phenyl Ether	A	10.0	10.0	0.1689127	0.1689661	0.1	0.03	20
Butyl Benzyl Phthalate	A	10.0	10.8	0.4682775	0.5070154	0.01	8.3	20
Carbazole	A	10.0	9.89	0.8059797	0.7969216	0.01	-1.1	20
4-Chloro-3-methylphenol	A	10.0	9.60	0.2797675	0.2685341	0.2	-4.0	20
Bis(2-chloroethoxy)methane	A	10.0	9.79	0.3898008	0.3815337	0.3	-2.1	20
Bis(2-chloroethyl) Ether	A	10.0	10.2	1.415296	1.439924	0.7	1.7	20
Bis(2-chloroisopropyl) Ether	A	10.0	10.1	2.250618	2.28054	0.01	1.3	20
2-Chloronaphthalene	A	10.0	9.31	0.9680318	0.9016856	0.8	-6.9	20
2-Chlorophenol	A	10.0	9.66	1.333337	1.288443	0.8	-3.4	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.52	0.5112369	0.4868814	0.4	-4.8	20
Chrysene	A	10.0	10.7	0.8904179	0.9501036	0.7	6.7	20
Dibenz(a,h)anthracene	A	10.0	10.2	0.6055826	0.6166632	0.4	1.8	20
Dibenzofuran	A	10.0	9.55	1.36941	1.308027	0.8	-4.5	20
Di-n-butyl Phthalate	A	10.0	9.98	0.9619959	0.9599966	0.01	-0.2	20
1,4-Dichlorobenzene	A	10.0	9.58	1.451559	1.390245	0.01	-4.2	20
1,2-Dichlorobenzene	A	10.0	9.62	1.355521	1.304251	0.01	-3.8	20
1,3-Dichlorobenzene	A	10.0	9.51	1.444903	1.373438	0.01	-4.9	20
2,4-Dichlorophenol	A	10.0	9.44	0.2539136	0.2395831	0.2	-5.6	20
Diethyl Phthalate	A	10.0	9.37	1.019087	0.9550013	0.01	-6.3	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J17060-CCV1
Injection Date: 10/17/14
Calibration Date: 10/04/14 11:28
Sequence: 4J17060

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1017.D
Injection Time: 08:07
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	8.76	0.3221636	0.2821698	0.2	-12.4	20
Dimethyl Phthalate	A	10.0	9.49	1.081514	1.02651	0.01	-5.1	20
4,6-Dinitro-2-methylphenol	L	10.0	9.64	9.711342E-02	0.1122871	0.01	-3.6	20
2,4-Dinitrophenol	L	20.0	16.9	0.1272305	0.1107482	0.01	-15.4	20
2,6-Dinitrotoluene	A	10.0	9.81	0.2581995	0.2532271	0.2	-1.9	20
2,4-Dinitrotoluene	A	10.0	9.83	0.3239502	0.318522	0.2	-1.7	20
Di-n-octyl Phthalate	L	10.0	11.2	0.9447342	1.190693	0.01	11.6	20
1,2-Diphenylhydrazine	A	10.0	10.2	0.2003691	0.2045735	0.01	2.1	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.7	0.5996469	0.6391138	0.01	6.6	20
Fluoranthene	A	10.0	9.39	0.9237645	0.8672584	0.6	-6.1	20
Fluorene	A	10.0	9.73	1.107485	1.077651	0.9	-2.7	20
Hexachlorobenzene	A	10.0	9.37	0.1846747	0.1729846	0.1	-6.3	20
Hexachlorobutadiene	A	10.0	9.20	0.1578851	0.1452533	0.01	-8.0	20
Hexachloroethane	A	10.0	9.78	0.5390411	0.5273544	0.3	-2.2	20
Indeno(1,2,3-cd)pyrene	A	10.0	10.0	0.7411104	0.7420142	0.5	0.1	20
Isophorone	A	10.0	9.75	0.6426017	0.6262827	0.4	-2.5	20
2-Methylnaphthalene	A	10.0	9.57	0.6357622	0.6085177	0.4	-4.3	20
3+4-Methylphenol	A	10.0	9.64	1.190003	1.147354	0.6	-3.6	20
2-Methylphenol	A	10.0	9.46	1.194064	1.1299	0.7	-5.4	20
Naphthalene	A	10.0	9.60	0.9981756	0.9586698	0.4	-4.0	20
Nitrobenzene	A	10.0	9.55	0.349211	0.3334245	0.2	-4.5	20
2-Nitrophenol	A	10.0	9.59	0.1660685	0.1592249	0.1	-4.1	20
4-Nitrophenol	A	20.0	16.4	0.2039171	0.1674586	0.01	-17.9	20
N-Nitroso-dimethylamine	A	10.0	9.92	0.7385079	0.7327692	0.01	-0.8	20
N-Nitroso-diphenylamine	A	10.0	9.94	0.5529454	0.549632	0.01	-0.6	20
N-Nitroso-di-n-propylamine	A	10.0	9.95	0.9015026	0.8970124	0.01	-0.5	20
Pentachlorophenol	A	10.0	8.96	0.108286	9.697178E-02	0.05	-10.4	20
Phenanthrene	A	10.0	9.64	0.9682669	0.9337184	0.7	-3.6	20
Phenol	A	10.0	10.0	1.680502	1.682957	0.8	0.1	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J17060-CCV1
Injection Date: 10/17/14
Calibration Date: 10/04/14 11:28
Sequence: 4J17060

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1017.D
Injection Time: 08:07
Calibration: 4J06006
Instrument ID: 339

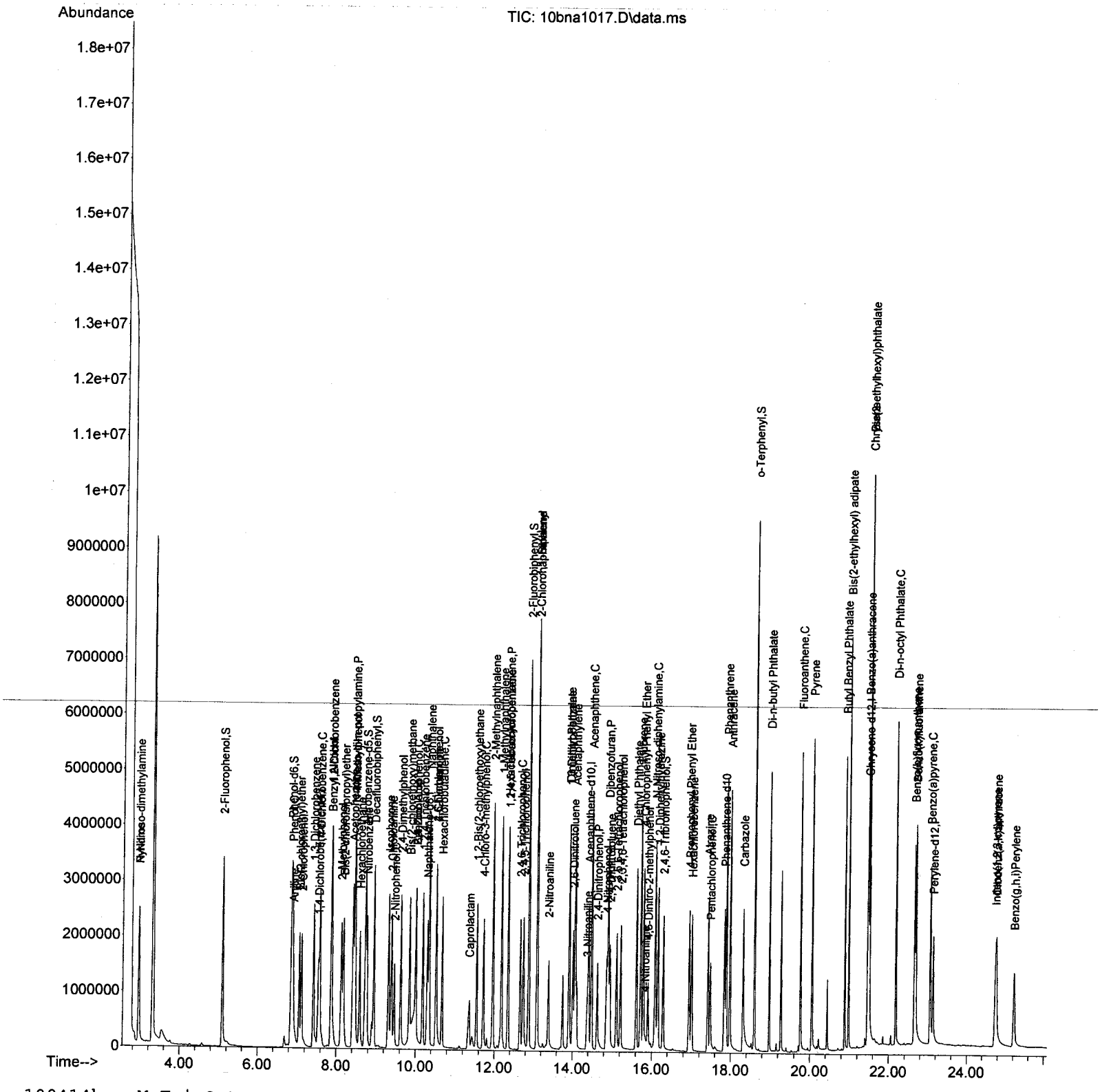
Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	9.85	1.186095	1.168624	0.6	-1.5	20
1,2,4-Trichlorobenzene	A	10.0	9.42	0.2893276	0.2724889	0.01	-5.8	20
2,4,5-Trichlorophenol	A	10.0	9.18	0.299758	0.2752915	0.2	-8.2	20
2,4,6-Trichlorophenol	A	10.0	9.06	0.2865524	0.2595726	0.2	-9.4	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 10bna1017.D
Acq On : 17 Oct 2014 8:07
Operator : JLB
Sample : 10bna1017 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 17 08:55:04 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 10bna1017.D
Acq On : 17 Oct 2014 8:07
Operator : JLB
Sample : 10bna1017 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 17 08:55:04 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.544	152	542400	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.295	136	2115281	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.410	164	1185645	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.843	188	1788211	5.00	ng/uL	0.00
81) Chrysene-d12	21.480	240	1361432	5.00	ng/uL	# 0.00
89) Perylene-d12	23.135	264	1198124	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.096	112	2296395	18.53	ng/uL	0.00
6) Phenol-d6	6.862	99	3025133	18.86	ng/uL	0.00
21) Nitrobenzene-d5	8.727	82	2580293	19.08	ng/uL	0.00
23) Decafluorobiphenyl	8.948	334	1640350	17.30	ng/uL	0.00
47) 2-Fluorobiphenyl	12.877	172	4582347	18.71	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.298	330	509225	18.77	ng/uL	0.00
78) o-Terphenyl	18.606	230	2831987	18.47	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.951	74	794908	9.92	ng/uL#	76
3) Pyridine	2.951	79	1381917	10.07	ng/uL	83
5) Aniline	6.902	93	1276200	9.64	ng/uL#	21
7) Phenol	6.885	94	1825672	10.01	ng/uL	95
8) Bis(2-chloroethyl)ether	7.060	93	1562030	10.17	ng/uL	93
9) 2-Chlorophenol	7.118	128	1397703	9.66	ng/uL#	29
10) 1,3-Dichlorobenzene	7.415	146	1489905	9.51	ng/uL	100
11) 1,4-Dichlorobenzene	7.573	146	1508138	9.58	ng/uL	96
12) 1,2-Dichlorobenzene	7.876	146	1414852	9.62	ng/uL	95
13) Bis(2-chloroisipropyl)...	8.179	45	2473930	10.13	ng/uL	95
14) Benzyl Alcohol	7.864	108	900370	9.65	ng/uL	84
15) 2-Methylphenol	8.115	108	1225715	9.46	ng/uL	94
16) Acetophenone	8.418	105	1921860	9.83	ng/uL	87
17) Hexachloroethane	8.587	119	572074	9.78	ng/uL	98
18) 4-Methylphenol	8.465	108	1244650	9.64	ng/uL#	49
19) N-Nitroso-di-n-propyla...	8.453	70	973079	9.95	ng/uL#	75
22) Nitrobenzene	8.768	77	1410573	9.55	ng/uL#	1
24) Isophorone	9.321	82	2649528	9.75	ng/uL	98
25) 2-Chloroaniline	9.391	127	1713829	9.90	ng/uL	97
26) 2-Nitrophenol	9.461	139	673611	9.59	ng/uL#	83
27) 2,4-Dimethylphenol	9.624	107	1193737	8.76	ng/uL	82
28) Bis(2-chlorethoxy)methane	9.846	93	1614102	9.79	ng/uL	97
29) 2,4-Dichlorophenol	10.009	162	1013571	9.44	ng/uL	99
30) Benzoic Acid	10.009	105	1888551	18.74	ng/uL	94
31) 1,2,4-Trichlorobenzene	10.184	180	1152781	9.42	ng/uL	98
32) Naphthalene	10.341	128	4055712	9.60	ng/uL	98
33) 4-Chloroaniline	10.516	127	1034699	ab ~~10.01~~	ng/uL#	73
34) 2,6-Dichlorophenol	10.516	162	996383	9.34	ng/uL	96
35) Hexachlorobutadiene	10.668	225	614503	9.20	ng/uL	98
36) Caprolactam	11.361	55	638717	10.49	ng/uL#	74
37) 1,2-Bis(2-chloroethoxy...	11.548	63	1334513	9.67	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.717	107	1136050	9.60	ng/uL	91
39) 2-Methylnaphthalene	11.962	142	2574372	9.57	ng/uL	99
40) 1-Methylnaphthalene	12.183	142	2363434	9.66	ng/uL	99
41) 1,3 Dinitrobenzene	13.914	168	403855	9.22	ng/uL	100

ASC 10/21/14

004286

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 10bna1017.D
Acq On : 17 Oct 2014 8:07
Operator : JLB
Sample : 10bna1017 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 17 08:55:04 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.358	216	981597	9.35 ng/uL	98
44) Hexachlorocyclopentadiene	12.346	237	475668	8.16 ng/uL	99
45) 2,4,6-Trichlorophenol	12.655	196	615522	9.06 ng/uL	95
46) 2,4,5-Trichlorophenol	12.737	196	652796	9.18 ng/uL#	91
48) 2-Chloronaphthalene	13.098	162	2138158	9.31 ng/uL	93
49) 1,1'-Biphenyl	13.092	154	2933699	9.39 ng/uL	95
50) 2-Nitroaniline	13.384	138	789061	ab ~~10.17~~ ng/uL	98
51) Acenaphthylene	14.066	152	3670259	9.66 ng/uL#	81
52) 2,6-Dinitrotoluene	14.013	165	600475	9.81 ng/uL	95
53) Dimethyl Phthalate	13.908	163	2434152	9.49 ng/uL	99
54) 3-Nitroaniline	14.375	138	347917	ab ~~6.47~~ ng/uL#	1
55) Acenaphthene	14.486	153	2400099	9.59 ng/uL	98
56) 2,4-Dinitrophenol	14.631	184	525232	16.93 ng/uL	96
57) Dibenzofuran	14.905	168	3101712	9.55 ng/uL	100
58) 4-Nitrophenol	14.870	65	794186	16.42 ng/uL	86
59) 2,4-Dinitrotoluene	14.952	165	755308	9.83 ng/uL#	86
60) 2,3,5,6-Tetrachlorophenol	15.121	232	546310	9.35 ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.226	232	555955	9.44 ng/uL	96
62) Fluorene	15.721	166	2555424	9.73 ng/uL	96
63) Diethyl Phthalate	15.616	149	2264585	9.37 ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.791	204	1154537	9.52 ng/uL	93
65) 4-Nitroaniline	15.826	138	299056	ab ~~7.70~~ ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.902	198	401586	9.64 ng/uL	99
68) N-Nitroso-diphenylamine	16.088	169	1965716	9.94 ng/uL	99
69) 1,2-Diphenylhydrazine	16.164	182	731641	10.21 ng/uL#	77
71) 4-Bromophenyl Phenyl E...	16.945	248	604294	10.00 ng/uL	99
72) Hexachlorobenzene	17.015	284	618666	9.37 ng/uL	95
73) Atrazine	17.429	200	561457	9.42 ng/uL	100
74) Pentachlorophenol	17.481	266	346812	8.96 ng/uL	93
75) Phenanthrene	17.889	178	3339371	9.64 ng/uL	98
76) Anthracene	17.983	178	3332151	9.97 ng/uL	99
77) Carbazole	18.309	167	2850128	9.89 ng/uL	96
79) Di-n-butyl Phthalate	18.985	149	3433353	9.98 ng/uL	99
80) Fluoroanthene	19.766	202	3101682	9.39 ng/uL	97
82) Pyrene	20.058	202	3182003	9.85 ng/uL	97
83) Butyl Benzyl Phthalate	20.885	149	1380534	10.83 ng/uL	92
84) Bis(2-ethylhexyl) adipate	20.979	129	1340700	10.67 ng/uL#	100
85) Benzo(a)anthracene	21.468	228	2312671	9.32 ng/uL	97
86) Chrysene	21.503	228	2587003	10.67 ng/uL#	91
87) Bis(2-ethylhexyl)phtha...	21.509	149	1740220	10.66 ng/uL	92
88) Di-n-octyl Phthalate	22.179	149	3242094	11.16 ng/uL	99
90) Benzo(b)fluoroanthene	22.651	252	2127921	9.78 ng/uL	96
91) Benzo(k)fluoranthene	22.686	252	2545626	10.35 ng/uL	95
92) Benzo(a)pyrene	23.065	252	2101420	10.24 ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.750	276	1778050	10.01 ng/uL#	86
94) Dibdenz(a,h)anthracene	24.773	278	1477678	10.18 ng/uL#	83
95) Benzo(g,h,i)Perylene	25.228	276	1418253	9.27 ng/uL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J17060-CCV2
Injection Date: 10/17/14
Calibration Date: 10/04/14 11:28
Sequence: 4J17060

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1017.D
Injection Time: 08:40
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	9.86	0.3678384	0.4003516	0.01	-1.4	20
3,3'-Dichlorobenzidine	A	10.0	9.52	0.2873976	0.2737168	0.01	-4.8	20
4-Nitroaniline	L	10.0	8.58	0.2482629	0.2250636	0.01	-14.2	20
2-Nitroaniline	L	10.0	10.4	0.3358017	0.3673759	0.01	3.7	20
3-Nitroaniline	L	10.0	10.2	0.2883083	0.3060683	0.01	2.4	20

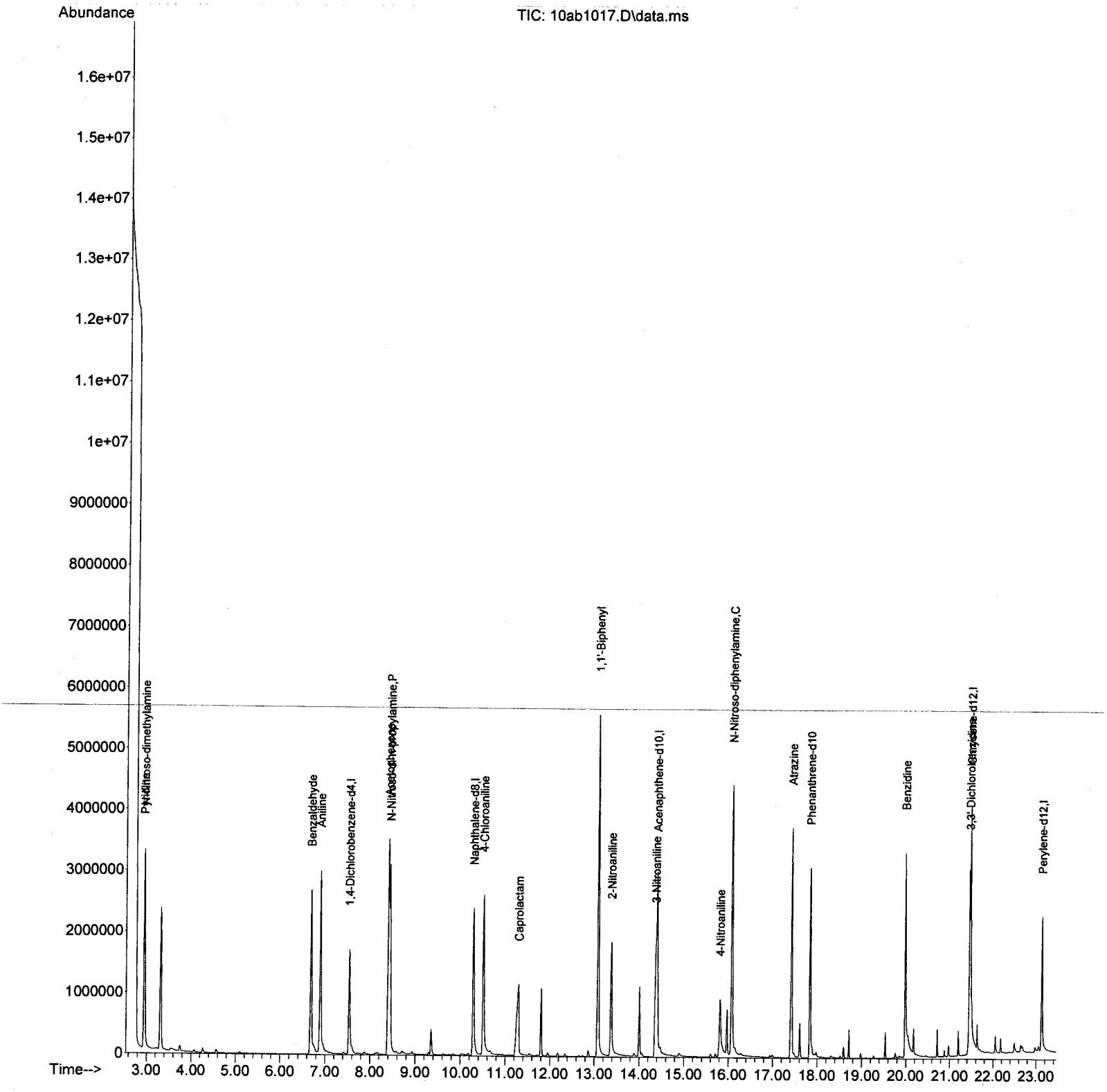
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 10ab1017.D
Acq On : 17 Oct 2014 8:40
Operator : JLB
Sample : 10ab1017 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 17 09:04:18 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 09:04:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 10ab1017.D
Acq On : 17 Oct 2014 8:40
Operator : JLB
Sample : 10ab1017 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 17 09:04:18 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 09:04:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.538	152	582610	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.289	136	2500054	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.404	164	1349163	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.837	188	2275839	5.00	ng/uL		0.00
19) Chrysene-d12	21.474	240	1973178	5.00	ng/uL	#	0.00
22) Perylene-d12	23.135	264	1544105	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.945	74	955204	10.34	ng/uL		82
3) Pyridine	2.939	79	1631744	10.04	ng/uL#		73
4) Aniline	6.897	93	2677273	10.74	ng/uL		93
5) Benzaldehyde	6.687	105	1325328	10.36	ng/uL#		1
6) Acetophenone	8.406	105	2261772	10.20	ng/uL		89
7) N-Nitroso-di-n-propyla...	8.441	70	1202370	10.73	ng/uL#		76
9) 4-Chloroaniline	10.510	127	2001801	9.86	ng/uL#		42
10) Caprolactam	11.297	55	853967	10.65	ng/uL		94
12) 1,1'-Biphenyl	13.087	154	3869489	9.60	ng/uL		96
13) 2-Nitroaniline	13.384	138	991300	10.37	ng/uL		95
14) 3-Nitroaniline	14.369	138	825872	10.24	ng/uL#		1
15) 4-Nitroaniline	15.814	138	607295	8.58	ng/uL#		1
17) N-Nitroso-diphenylamine	16.083	169	2610759	9.85	ng/uL		95
18) Atrazine	17.429	200	844918	10.02	ng/uL		97
20) Benzidine	19.982	184	2931445	10.74	ng/uL		98
21) 3,3'-Dichlorobenzidine	21.451	252	1080184	9.52	ng/uL		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ASC 10/21/14

004270

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J21016-CCV1
Lab File ID: 10bna1020b.D
Injection Date: 10/20/14
Injection Time: 17:41
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J21016
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.55	1.055312	1.007474	0.9	-4.5	20
Acenaphthylene	A	10.0	9.45	1.602723	1.514995	0.9	-5.5	20
Anthracene	A	10.0	9.61	0.9344171	0.8979995	0.7	-3.9	20
Benzo(a)anthracene	A	10.0	10.2	0.9113378	0.9319179	0.8	2.3	20
Benzo(a)pyrene	A	10.0	10.8	0.8566272	0.9262646	0.7	8.1	20
Benzo(b)fluoranthene	A	10.0	11.0	0.9083445	1.002718	0.7	10.4	20
Benzo(k)fluoranthene	A	10.0	9.43	1.026063	0.9673323	0.7	-5.7	20
Benzo(g,h,i)perylene	A	10.0	11.3	0.6387196	0.7227349	0.5	13.2	20
Benzoic Acid	L	20.0	18.8	0.2268224	0.2243582	0.01	-5.9	20
Benzyl Alcohol	A	10.0	10.6	0.859675	0.9096512	0.01	5.8	20
4-Bromophenyl Phenyl Ether	A	10.0	9.64	0.1689127	0.1628135	0.1	-3.6	20
Butyl Benzyl Phthalate	A	10.0	11.4	0.4682775	0.532386	0.01	13.7	20
Carbazole	A	10.0	9.22	0.8059797	0.743378	0.01	-7.8	20
4-Chloro-3-methylphenol	A	10.0	10.2	0.2797675	0.2865026	0.2	2.4	20
Bis(2-chloroethoxy)methane	A	10.0	10.2	0.3898008	0.3967358	0.3	1.8	20
Bis(2-chloroethyl) Ether	A	10.0	10.3	1.415296	1.452253	0.7	2.6	20
Bis(2-chloroisopropyl) Ether	A	10.0	10.4	2.250618	2.334048	0.01	3.7	20
2-Chloronaphthalene	A	10.0	9.22	0.9680318	0.8925181	0.8	-7.8	20
2-Chlorophenol	A	10.0	10.2	1.333337	1.353732	0.8	1.5	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.48	0.5112369	0.4846402	0.4	-5.2	20
Chrysene	A	10.0	9.39	0.8904179	0.8365184	0.7	-6.1	20
Dibenz(a,h)anthracene	A	10.0	11.8	0.6055826	0.7130531	0.4	17.7	20
Dibenzofuran	A	10.0	9.50	1.36941	1.300283	0.8	-5.0	20
Di-n-butyl Phthalate	A	10.0	10.6	0.9619959	1.023344	0.01	6.4	20
1,4-Dichlorobenzene	A	10.0	9.77	1.451559	1.418094	0.01	-2.3	20
1,2-Dichlorobenzene	A	10.0	9.88	1.355521	1.339288	0.01	-1.2	20
1,3-Dichlorobenzene	A	10.0	9.88	1.444903	1.427095	0.01	-1.2	20
2,4-Dichlorophenol	A	10.0	9.88	0.2539136	0.2507598	0.2	-1.2	20
Diethyl Phthalate	A	10.0	9.86	1.019087	1.005254	0.01	-1.4	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J21016-CCV1
Injection Date: 10/20/14
Calibration Date: 10/04/14 11:28
Sequence: 4J21016

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1020b.D
Injection Time: 17:41
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.40	0.3221636	0.3028748	0.2	-6.0	20
Dimethyl Phthalate	A	10.0	9.80	1.081514	1.060217	0.01	-2.0	20
4,6-Dinitro-2-methylphenol	L	10.0	9.56	9.711342E-02	0.1112645	0.01	-4.4	20
2,4-Dinitrophenol	L	20.0	18.7	0.1272305	0.1247427	0.01	-6.4	20
2,6-Dinitrotoluene	A	10.0	10.0	0.2581995	0.2591785	0.2	0.4	20
2,4-Dinitrotoluene	A	10.0	10.2	0.3239502	0.3306271	0.2	2.1	20
Di-n-octyl Phthalate	L	10.0	10.6	0.9447342	1.131922	0.01	6.2	20
1,2-Diphenylhydrazine	A	10.0	9.79	0.2003691	0.1961414	0.01	-2.1	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.6	0.5996469	0.6382734	0.01	6.4	20
Fluoranthene	A	10.0	9.88	0.9237645	0.9130944	0.6	-1.2	20
Fluorene	A	10.0	9.69	1.107485	1.072679	0.9	-3.1	20
Hexachlorobenzene	A	10.0	9.37	0.1846747	0.1730501	0.1	-6.3	20
Hexachlorobutadiene	A	10.0	9.37	0.1578851	0.1479762	0.01	-6.3	20
Hexachloroethane	A	10.0	10.1	0.5390411	0.5438233	0.3	0.9	20
Indeno(1,2,3-cd)pyrene	A	10.0	11.6	0.7411104	0.8572332	0.5	15.7	20
Isophorone	A	10.0	10.2	0.6426017	0.6536447	0.4	1.7	20
2-Methylnaphthalene	A	10.0	9.63	0.6357622	0.6122923	0.4	-3.7	20
3+4-Methylphenol	A	10.0	10.1	1.190003	1.207187	0.6	1.4	20
2-Methylphenol	A	10.0	10.3	1.194064	1.235014	0.7	3.4	20
Naphthalene	A	10.0	9.74	0.9981756	0.9718492	0.4	-2.6	20
Nitrobenzene	A	10.0	10.1	0.349211	0.3537117	0.2	1.3	20
2-Nitrophenol	A	10.0	10.5	0.1660685	0.174987	0.1	5.4	20
4-Nitrophenol	A	20.0	18.4	0.2039171	0.1875142	0.01	-8.0	20
N-Nitroso-dimethylamine	A	10.0	9.19	0.7385079	0.6788222	0.01	-8.1	20
N-Nitroso-diphenylamine	A	10.0	9.60	0.5529454	0.5306378	0.01	-4.0	20
N-Nitroso-di-n-propylamine	A	10.0	10.5	0.9015026	0.9471468	0.01	5.1	20
Pentachlorophenol	A	10.0	11.2	0.108286	0.1210728	0.05	11.8	20
Phenanthrene	A	10.0	9.59	0.9682669	0.9288983	0.7	-4.1	20
Phenol	A	10.0	10.3	1.680502	1.738144	0.8	3.4	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J21016-CCV1
Injection Date: 10/20/14
Calibration Date: 10/04/14 11:28
Sequence: 4J21016

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1020b.D
Injection Time: 17:41
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	10.0	1.186095	1.189883	0.6	0.3	20
1,2,4-Trichlorobenzene	A	10.0	9.57	0.2893276	0.2767442	0.01	-4.3	20
2,4,5-Trichlorophenol	A	10.0	9.85	0.299758	0.2953794	0.2	-1.5	20
2,4,6-Trichlorophenol	A	10.0	9.77	0.2865524	0.2800823	0.2	-2.3	20

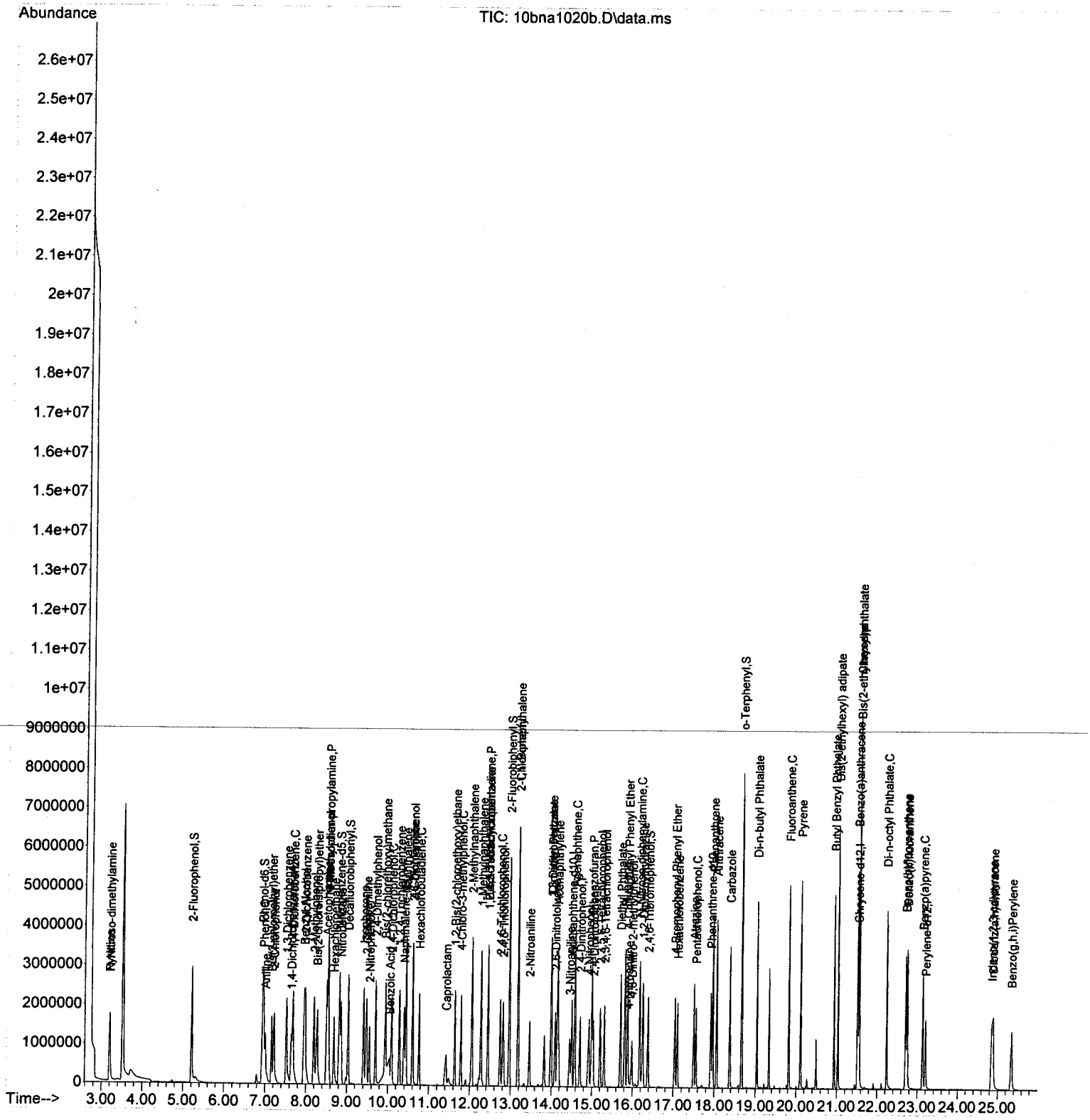
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 10bna1020b.D
Acq On : 20 Oct 2014 17:41
Operator : JLB
Sample : 10bna1020b Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 21 07:37:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:37:07 2014
Response via : Initial Calibration



100414bna.M Tue Oct 21 07:37:41 2014 339

004274

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 10bna1020b.D
Acq On : 20 Oct 2014 17:41
Operator : JLB
Sample : 10bna1020b Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 21 07:37:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:37:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.640	152	407648	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.391	136	1589495	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.501	164	892327	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.916	188	1383420	5.00	ng/uL	0.00
81) Chrysene-d12	21.530	240	1114896	5.00	ng/uL	# 0.00
89) Perylene-d12	23.203	264	927614	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.216	112	1871545	20.09	ng/uL	0.00
6) Phenol-d6	6.941	99	2425375	20.12	ng/uL	0.00
21) Nitrobenzene-d5	8.818	82	2031092	19.99	ng/uL	0.00
23) Decafluorobiphenyl	9.033	334	1234514	17.33	ng/uL	0.00
47) 2-Fluorobiphenyl	12.968	172	3343445	18.13	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.383	330	389445	18.56	ng/uL	0.00
78) o-Terphenyl	18.668	230	2140059	18.04	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.211	74	553441	9.19	ng/uL	90
3) Pyridine	3.199	79	980901	9.51	ng/uL#	73
5) Aniline	7.005	93	1104392	11.06	ng/uL	93
7) Phenol	6.964	94	1417102	10.34	ng/uL	89
8) Bis(2-chloroethyl)ether	7.157	93	1184016	10.26	ng/uL	91
9) 2-Chlorophenol	7.215	128	1103692	10.15	ng/uL#	32
10) 1,3-Dichlorobenzene	7.524	146	1163505	9.88	ng/uL	95
11) 1,4-Dichlorobenzene	7.681	146	1156166	9.77	ng/uL	94
12) 1,2-Dichlorobenzene	7.978	146	1091916	9.88	ng/uL	93
13) Bis(2-chloroisipropyl)...	8.276	45	1902940	10.37	ng/uL	95
14) Benzyl Alcohol	7.955	108	741635	10.58	ng/uL	87
15) 2-Methylphenol	8.194	108	1006902	10.34	ng/uL	96
16) Acetophenone	8.509	105	1508853	10.27	ng/uL	90
17) Hexachloroethane	8.684	119	443377	10.09	ng/uL	96
18) 4-Methylphenol	8.544	108	984215	10.14	ng/uL#	47
19) N-Nitroso-di-n-propyla...	8.550	70	772205	10.51	ng/uL#	75
22) Nitrobenzene	8.858	77	1124446	10.13	ng/uL#	1
24) Isophorone	9.412	82	2077930	10.17	ng/uL	99
25) 2-Chloroaniline	9.482	127	1361470	10.47	ng/uL	99
26) 2-Nitrophenol	9.552	139	556282	10.54	ng/uL#	86
27) 2,4-Dimethylphenol	9.704	107	962836	9.40	ng/uL#	65
28) Bis(2-chlorethoxy)methane	9.937	93	1261219	10.18	ng/uL	95
29) 2,4-Dichlorophenol	10.088	162	797163	9.88	ng/uL	98
30) Benzoic Acid	10.042	105	1426465	18.82	ng/uL	98
31) 1,2,4-Trichlorobenzene	10.275	180	879767	9.57	ng/uL	98
32) Naphthalene	10.438	128	3089499	9.74	ng/uL	99
33) 4-Chloroaniline	10.601	127	969287	12.48	ng/uL#	79
34) 2,6-Dichlorophenol	10.607	162	764837	9.54	ng/uL	94
35) Hexachlorobutadiene	10.764	225	470415	9.37	ng/uL	99
36) Caprolactam	11.423	55	517161	11.30	ng/uL#	77
37) 1,2-Bis(2-chloroethoxy...	11.633	63	1085886	10.47	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.784	107	910789	10.24	ng/uL	92
39) 2-Methylnaphthalene	12.053	142	1946471	9.63	ng/uL	99
40) 1-Methylnaphthalene	12.280	142	1780348	9.68	ng/uL	98
41) 1,3 Dinitrobenzene	13.994	168	317044	9.63	ng/uL	100

ASC 10/21/14

004275

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 10bna1020b.D
Acq On : 20 Oct 2014 17:41
Operator : JLB
Sample : 10bna1020b Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 21 07:37:14 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:37:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.449	216	733250	9.28 ng/uL	98
44) Hexachlorocyclopentadiene	12.443	237	349011	7.95 ng/uL	97
45) 2,4,6-Trichlorophenol	12.740	196	499850	9.77 ng/uL	93
46) 2,4,5-Trichlorophenol	12.810	196	527150	9.85 ng/uL#	92
48) 2-Chloronaphthalene	13.189	162	1592836	9.22 ng/uL	90
49) 1,1'-Biphenyl	13.183	154	2195614	9.34 ng/uL	96
50) 2-Nitroaniline	13.469	138	609847	10.45 ng/uL	98
51) Acenaphthylene	14.157	152	2703741	9.45 ng/uL#	89
52) 2,6-Dinitrotoluene	14.093	165	462544	10.04 ng/uL	98
53) Dimethyl Phthalate	13.999	163	1892121	9.80 ng/uL	98
54) 3-Nitroaniline	14.454	138	390454	9.65 ng/uL#	1
55) Acenaphthene	14.582	153	1797993	9.55 ng/uL	98
56) 2,4-Dinitrophenol	14.710	184	445245	18.71 ng/uL	96
57) Dibenzofuran	15.002	168	2320555	9.50 ng/uL	99
58) 4-Nitrophenol	14.926	65	669296	18.39 ng/uL	98
59) 2,4-Dinitrotoluene	15.037	165	590055	10.21 ng/uL#	82
60) 2,3,5,6-Tetrachlorophenol	15.206	232	431881	9.82 ng/uL	97
61) 2,3,4,6-Tetrachlorophenol	15.311	232	426265	9.62 ng/uL	94
62) Fluorene	15.818	166	1914360	9.69 ng/uL	97
63) Diethyl Phthalate	15.707	149	1794030	9.86 ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.882	204	864915	9.48 ng/uL	89
65) 4-Nitroaniline	15.899	138	199836	6.84 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.987	198	307851	9.56 ng/uL	94
68) N-Nitroso-diphenylamine	16.179	169	1468190	9.60 ng/uL	99
69) 1,2-Diphenylhydrazine	16.255	182	542692	9.79 ng/uL	88
71) 4-Bromophenyl Phenyl E...	17.042	248	450479	9.64 ng/uL	98
72) Hexachlorobenzene	17.106	284	478802	9.37 ng/uL#	95
73) Atrazine	17.502	200	473673	10.28 ng/uL	96
74) Pentachlorophenol	17.555	266	334989	11.18 ng/uL	97
75) Phenanthrene	17.963	178	2570113	9.59 ng/uL	99
76) Anthracene	18.056	178	2484621	9.61 ng/uL	100
77) Carbazole	18.377	167	2056808	9.22 ng/uL	98
79) Di-n-butyl Phthalate	19.041	149	2831429	10.64 ng/uL	100
80) Fluoroanthene	19.822	202	2526386	9.88 ng/uL	96
82) Pyrene	20.114	202	2653191	10.03 ng/uL	97
83) Butyl Benzyl Phthalate	20.935	149	1187110	11.37 ng/uL	93
84) Bis(2-ethylhexyl) adipate	21.029	129	1112852	10.81 ng/uL#	100
85) Benzo(a)anthracene	21.518	228	2077983	10.23 ng/uL	97
86) Chrysene	21.553	228	1865262	9.39 ng/uL#	87
87) Bis(2-ethylhexyl)phtha...	21.559	149	1423217	10.64 ng/uL	93
88) Di-n-octyl Phthalate	22.235	149	2523951	10.62 ng/uL	100
90) Benzo(b)fluoroanthene	22.713	252	1860271	11.04 ng/uL	97
91) Benzo(k)fluoranthene	22.748	252	1794622	9.43 ng/uL	96
92) Benzo(a)pyrene	23.133	252	1718432	10.81 ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.852	276	1590363	11.57 ng/uL#	85
94) Dibdenz(a,h)anthracene	24.881	278	1322876	11.77 ng/uL#	87
95) Benzo(g,h,i)Perylene	25.348	276	1340838	11.32 ng/uL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J21016-CCV2
Injection Date: 10/20/14
Calibration Date: 10/04/14 11:28
Sequence: 4J21016

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1020.D
Injection Time: 18:13
Calibration: 4J06006
Instrument ID: 339

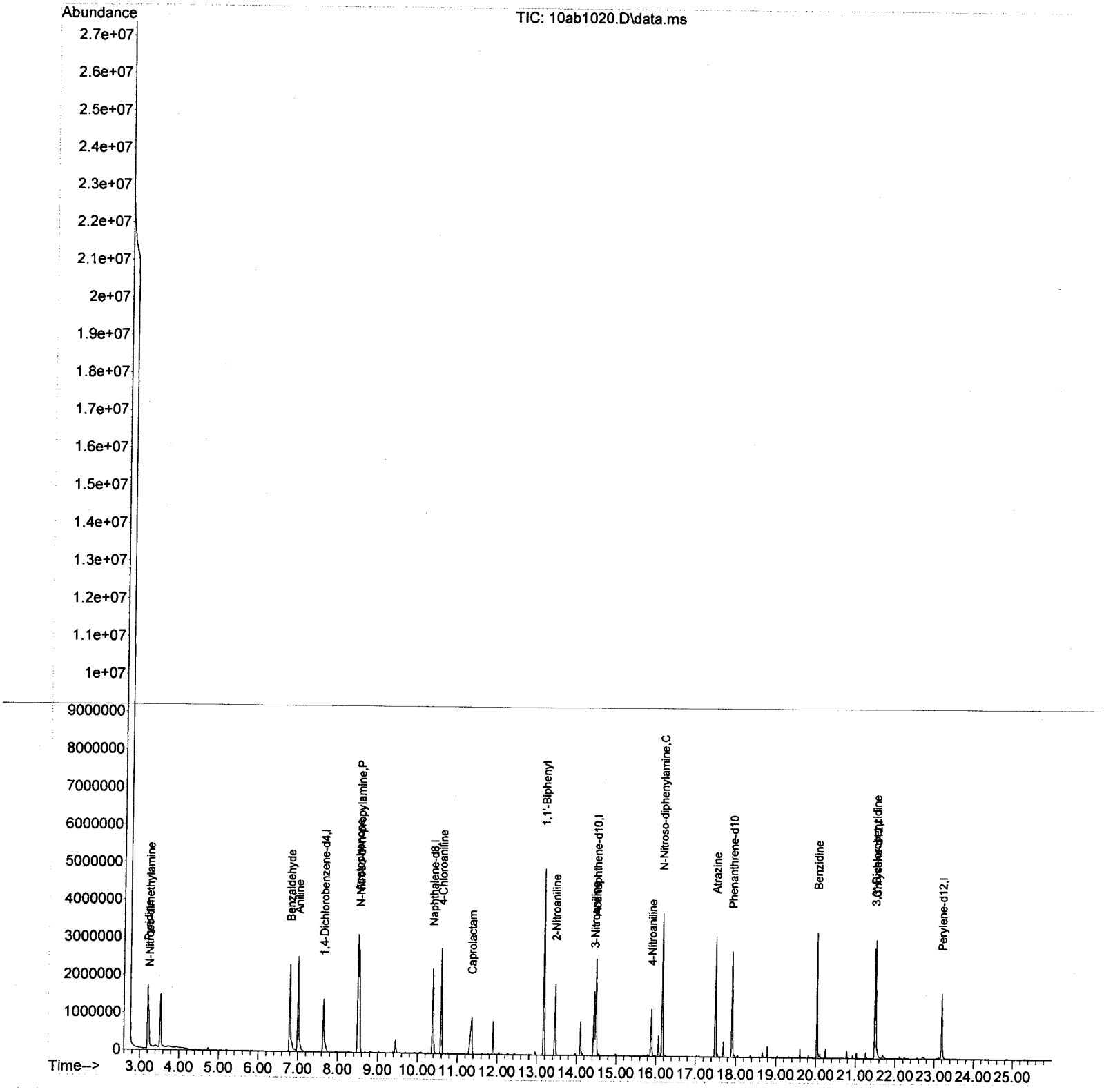
Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	10.2	0.3678384	0.4120008	0.01	1.5	20
3,3'-Dichlorobenzidine	A	10.0	10.4	0.2873976	0.2974675	0.01	3.5	20
4-Nitroaniline	L	10.0	8.91	0.2482629	0.2338017	0.01	-10.9	20
2-Nitroaniline	L	10.0	9.69	0.3358017	0.3431993	0.01	-3.1	20
3-Nitroaniline	L	10.0	9.35	0.2883083	0.2796593	0.01	-6.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 10ab1020.D
Acq On : 20 Oct 2014 18:13
Operator : JLB
Sample : 10ab1020 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 21 07:43:10 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:43:01 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 10ab1020.D
Acq On : 20 Oct 2014 18:13
Operator : JLB
Sample : 10ab1020 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 21 07:43:10 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:43:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.646	152	470517	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.386	136	1854205	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.495	164	1013006	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1551533	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	1199284	5.00	ng/uL	#	0.00
22) Perylene-d12	23.197	264	941171	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.234	74	808642	10.84	ng/uL		82
3) Pyridine	3.205	79	1369145	10.43	ng/uL#		77
4) Aniline	7.005	93	2082782	10.35	ng/uL		95
5) Benzaldehyde	6.801	105	1040452	10.07	ng/uL#		1
6) Acetophenone	8.503	105	1861510	10.39	ng/uL		90
7) N-Nitroso-di-n-propyla...	8.538	70	957592	10.58	ng/uL#		74
9) 4-Chloroaniline	10.601	127	1527868	10.15	ng/uL#		45
10) Caprolactam	11.365	55	638146	10.73	ng/uL		93
12) 1,1'-Biphenyl	13.183	154	2848553	9.42	ng/uL		96
13) 2-Nitroaniline	13.469	138	695326	9.69	ng/uL		97
14) 3-Nitroaniline	14.454	138	566593	9.35	ng/uL#		1
15) 4-Nitroaniline	15.894	138	473685	8.91	ng/uL#		1
17) N-Nitroso-diphenylamine	16.168	169	1740726	9.64	ng/uL		98
18) Atrazine	17.502	200	593462	10.33	ng/uL		97
20) Benzidine	20.032	184	1528201	9.27	ng/uL		97
21) 3,3'-Dichlorobenzidine	21.489	252	713496	10.35	ng/uL		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ASC 10/21/14

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J21047-CCV1
Injection Date: 10/21/14
Calibration Date: 10/04/14 11:28
Sequence: 4J21047

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10c1021.D
Injection Time: 12:52
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.71	1.055312	1.024194	0.9	-2.9	20
Acenaphthylene	A	10.0	9.74	1.602723	1.561697	0.9	-2.6	20
Anthracene	A	10.0	9.59	0.9344171	0.8962617	0.7	-4.1	20
Benzo(a)anthracene	A	10.0	10.1	0.9113378	0.917691	0.8	0.7	20
Benzo(a)pyrene	A	10.0	11.1	0.8566272	0.9470893	0.7	10.6	20
Benzo(b)fluoranthene	A	10.0	11.3	0.9083445	1.026113	0.7	13.0	20
Benzo(k)fluoranthene	A	10.0	10.4	1.026063	1.068129	0.7	4.1	20
Benzo(g,h,i)perylene	A	10.0	10.2	0.6387196	0.654833	0.5	2.5	20
Benzoic Acid	L	20.0	20.3	0.2268224	0.2444318	0.01	1.4	20
Benzyl Alcohol	A	10.0	10.4	0.859675	0.8918746	0.01	3.7	20
4-Bromophenyl Phenyl Ether	A	10.0	9.66	0.1689127	0.1632443	0.1	-3.4	20
Butyl Benzyl Phthalate	A	10.0	11.0	0.4682775	0.5160298	0.01	10.2	20
Carbazole	A	10.0	8.92	0.8059797	0.7190343	0.01	-10.8	20
4-Chloro-3-methylphenol	A	10.0	10.2	0.2797675	0.2849599	0.2	1.9	20
Bis(2-chloroethoxy)methane	A	10.0	10.2	0.3898008	0.399494	0.3	2.5	20
Bis(2-chloroethyl) Ether	A	10.0	10.1	1.415296	1.424196	0.7	0.6	20
Bis(2-chloroisopropyl) Ether	A	10.0	10.0	2.250618	2.250442	0.01	-0.008	20
2-Chloronaphthalene	A	10.0	9.38	0.9680318	0.9082482	0.8	-6.2	20
2-Chlorophenol	A	10.0	10.1	1.333337	1.344773	0.8	0.9	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.50	0.5112369	0.4857787	0.4	-5.0	20
Chrysene	A	10.0	9.21	0.8904179	0.8203872	0.7	-7.9	20
Dibenz(a,h)anthracene	A	10.0	11.0	0.6055826	0.6659025	0.4	10.0	20
Dibenzofuran	A	10.0	9.58	1.36941	1.311326	0.8	-4.2	20
Di-n-butyl Phthalate	A	10.0	10.2	0.9619959	0.9786897	0.01	1.7	20
1,4-Dichlorobenzene	A	10.0	9.65	1.451559	1.4009	0.01	-3.5	20
1,2-Dichlorobenzene	A	10.0	9.73	1.355521	1.319462	0.01	-2.7	20
1,3-Dichlorobenzene	A	10.0	9.61	1.444903	1.388421	0.01	-3.9	20
2,4-Dichlorophenol	A	10.0	9.99	0.2539136	0.2537449	0.2	-0.07	20
Diethyl Phthalate	A	10.0	9.74	1.019087	0.9929396	0.01	-2.6	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J21047-CCV1
Lab File ID: 10c1021.D
Injection Date: 10/21/14
Injection Time: 12:52
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J21047
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.46	0.3221636	0.3048413	0.2	-5.4	20
Dimethyl Phthalate	A	10.0	9.85	1.081514	1.065393	0.01	-1.5	20
4,6-Dinitro-2-methylphenol	L	10.0	9.57	9.711342E-02	0.1113425	0.01	-4.3	20
2,4-Dinitrophenol	L	20.0	18.5	0.1272305	0.123081	0.01	-7.5	20
2,6-Dinitrotoluene	A	10.0	10.1	0.2581995	0.2613933	0.2	1.2	20
2,4-Dinitrotoluene	A	10.0	9.88	0.3239502	0.3200159	0.2	-1.2	20
Di-n-octyl Phthalate	L	10.0	10.4	0.9447342	1.111931	0.01	4.4	20
1,2-Diphenylhydrazine	A	10.0	9.92	0.2003691	0.1988549	0.01	-0.8	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.2	0.5996469	0.6111195	0.01	1.9	20
Fluoranthene	A	10.0	9.47	0.9237645	0.8744093	0.6	-5.3	20
Fluorene	A	10.0	9.65	1.107485	1.068489	0.9	-3.5	20
Hexachlorobenzene	A	10.0	9.42	0.1846747	0.1740059	0.1	-5.8	20
Hexachlorobutadiene	A	10.0	9.39	0.1578851	0.148219	0.01	-6.1	20
Hexachloroethane	A	10.0	9.98	0.5390411	0.5377035	0.3	-0.2	20
Indeno(1,2,3-cd)pyrene	A	10.0	10.8	0.7411104	0.8002049	0.5	8.0	20
Isophorone	A	10.0	10.2	0.6426017	0.6558014	0.4	2.1	20
2-Methylnaphthalene	A	10.0	9.66	0.6357622	0.613891	0.4	-3.4	20
3+4-Methylphenol	A	10.0	9.98	1.190003	1.187313	0.6	-0.2	20
2-Methylphenol	A	10.0	10.1	1.194064	1.206558	0.7	1.0	20
Naphthalene	A	10.0	9.68	0.9981756	0.9659388	0.4	-3.2	20
Nitrobenzene	A	10.0	10.1	0.349211	0.353442	0.2	1.2	20
2-Nitrophenol	A	10.0	10.5	0.1660685	0.1745559	0.1	5.1	20
4-Nitrophenol	A	20.0	18.3	0.2039171	0.1861272	0.01	-8.7	20
N-Nitroso-dimethylamine	A	10.0	9.20	0.7385079	0.6793562	0.01	-8.0	20
N-Nitroso-diphenylamine	A	10.0	9.79	0.5529454	0.5414148	0.01	-2.1	20
N-Nitroso-di-n-propylamine	A	10.0	10.1	0.9015026	0.9121322	0.01	1.2	20
Pentachlorophenol	A	10.0	11.1	0.108286	0.1199016	0.05	10.7	20
Phenanthrene	A	10.0	9.52	0.9682669	0.9222466	0.7	-4.8	20
Phenol	A	10.0	10.1	1.680502	1.704566	0.8	1.4	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J21047-CCV1
Injection Date: 10/21/14
Calibration Date: 10/04/14 11:28
Sequence: 4J21047

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10c1021.D
Injection Time: 12:52
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	10.1	1.186095	1.19664	0.6	0.9	20
1,2,4-Trichlorobenzene	A	10.0	9.63	0.2893276	0.278565	0.01	-3.7	20
2,4,5-Trichlorophenol	A	10.0	10.1	0.299758	0.3034167	0.2	1.2	20
2,4,6-Trichlorophenol	A	10.0	10.1	0.2865524	0.2903919	0.2	1.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J22008-CCV1
Injection Date: 10/21/14
Calibration Date: 10/04/14 11:28
Sequence: 4J22008

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10c1021.D
Injection Time: 12:52
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.71	1.055312	1.024194	0.9	-2.9	20
Acenaphthylene	A	10.0	9.74	1.602723	1.561697	0.9	-2.6	20
Anthracene	A	10.0	9.59	0.9344171	0.8962617	0.7	-4.1	20
Benzo(a)anthracene	A	10.0	10.1	0.9113378	0.917691	0.8	0.7	20
Benzo(a)pyrene	A	10.0	11.1	0.8566272	0.9470893	0.7	10.6	20
Benzo(b)fluoranthene	A	10.0	11.3	0.9083445	1.026113	0.7	13.0	20
Benzo(k)fluoranthene	A	10.0	10.4	1.026063	1.068129	0.7	4.1	20
Benzo(g,h,i)perylene	A	10.0	10.2	0.6387196	0.654833	0.5	2.5	20
Benzoic Acid	L	20.0	20.3	0.2268224	0.2444318	0.01	1.4	20
Benzyl Alcohol	A	10.0	10.4	0.859675	0.8918746	0.01	3.7	20
4-Bromophenyl Phenyl Ether	A	10.0	9.66	0.1689127	0.1632443	0.1	-3.4	20
Butyl Benzyl Phthalate	A	10.0	11.0	0.4682775	0.5160298	0.01	10.2	20
Carbazole	A	10.0	8.92	0.8059797	0.7190343	0.01	-10.8	20
4-Chloro-3-methylphenol	A	10.0	10.2	0.2797675	0.2849599	0.2	1.9	20
Bis(2-chloroethoxy)methane	A	10.0	10.2	0.3898008	0.399494	0.3	2.5	20
Bis(2-chloroethyl) Ether	A	10.0	10.1	1.415296	1.424196	0.7	0.6	20
Bis(2-chloroisopropyl) Ether	A	10.0	10.0	2.250618	2.250442	0.01	-0.008	20
2-Chloronaphthalene	A	10.0	9.38	0.9680318	0.9082482	0.8	-6.2	20
2-Chlorophenol	A	10.0	10.1	1.333337	1.344773	0.8	0.9	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.50	0.5112369	0.4857787	0.4	-5.0	20
Chrysene	A	10.0	9.21	0.8904179	0.8203872	0.7	-7.9	20
Dibenz(a,h)anthracene	A	10.0	11.0	0.6055826	0.6659025	0.4	10.0	20
Dibenzofuran	A	10.0	9.58	1.36941	1.311326	0.8	-4.2	20
Di-n-butyl Phthalate	A	10.0	10.2	0.9619959	0.9786897	0.01	1.7	20
1,4-Dichlorobenzene	A	10.0	9.65	1.451559	1.4009	0.01	-3.5	20
1,2-Dichlorobenzene	A	10.0	9.73	1.355521	1.319462	0.01	-2.7	20
1,3-Dichlorobenzene	A	10.0	9.61	1.444903	1.388421	0.01	-3.9	20
2,4-Dichlorophenol	A	10.0	9.99	0.2539136	0.2537449	0.2	-0.07	20
Diethyl Phthalate	A	10.0	9.74	1.019087	0.9929396	0.01	-2.6	20

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J22008-CCV1
Lab File ID: 10c1021.D
Injection Date: 10/21/14
Injection Time: 12:52
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J22008
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.46	0.3221636	0.3048413	0.2	-5.4	20
Dimethyl Phthalate	A	10.0	9.85	1.081514	1.065393	0.01	-1.5	20
4,6-Dinitro-2-methylphenol	L	10.0	9.57	9.711342E-02	0.1113425	0.01	-4.3	20
2,4-Dinitrophenol	L	20.0	18.5	0.1272305	0.123081	0.01	-7.5	20
2,6-Dinitrotoluene	A	10.0	10.1	0.2581995	0.2613933	0.2	1.2	20
2,4-Dinitrotoluene	A	10.0	9.88	0.3239502	0.3200159	0.2	-1.2	20
Di-n-octyl Phthalate	L	10.0	10.4	0.9447342	1.111931	0.01	4.4	20
1,2-Diphenylhydrazine	A	10.0	9.92	0.2003691	0.1988549	0.01	-0.8	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.2	0.5996469	0.6111195	0.01	1.9	20
Fluoranthene	A	10.0	9.47	0.9237645	0.8744093	0.6	-5.3	20
Fluorene	A	10.0	9.65	1.107485	1.068489	0.9	-3.5	20
Hexachlorobenzene	A	10.0	9.42	0.1846747	0.1740059	0.1	-5.8	20
Hexachlorobutadiene	A	10.0	9.39	0.1578851	0.148219	0.01	-6.1	20
Hexachloroethane	A	10.0	9.98	0.5390411	0.5377035	0.3	-0.2	20
Indeno(1,2,3-cd)pyrene	A	10.0	10.8	0.7411104	0.8002049	0.5	8.0	20
Isophorone	A	10.0	10.2	0.6426017	0.6558014	0.4	2.1	20
2-Methylnaphthalene	A	10.0	9.66	0.6357622	0.613891	0.4	-3.4	20
3+4-Methylphenol	A	10.0	9.98	1.190003	1.187313	0.6	-0.2	20
2-Methylphenol	A	10.0	10.1	1.194064	1.206558	0.7	1.0	20
Naphthalene	A	10.0	9.68	0.9981756	0.9659388	0.4	-3.2	20
Nitrobenzene	A	10.0	10.1	0.349211	0.353442	0.2	1.2	20
2-Nitrophenol	A	10.0	10.5	0.1660685	0.1745559	0.1	5.1	20
4-Nitrophenol	A	20.0	18.3	0.2039171	0.1861272	0.01	-8.7	20
N-Nitroso-dimethylamine	A	10.0	9.20	0.7385079	0.6793562	0.01	-8.0	20
N-Nitroso-diphenylamine	A	10.0	9.79	0.5529454	0.5414148	0.01	-2.1	20
N-Nitroso-di-n-propylamine	A	10.0	10.1	0.9015026	0.9121322	0.01	1.2	20
Pentachlorophenol	A	10.0	11.1	0.108286	0.1199016	0.05	10.7	20
Phenanthrene	A	10.0	9.52	0.9682669	0.9222466	0.7	-4.8	20
Phenol	A	10.0	10.1	1.680502	1.704566	0.8	1.4	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J22008-CCV1
Injection Date: 10/21/14
Calibration Date: 10/04/14 11:28
Sequence: 4J22008

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10c1021.D
Injection Time: 12:52
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyrene	A	10.0	10.1	1.186095	1.19664	0.6	0.9	20
1,2,4-Trichlorobenzene	A	10.0	9.63	0.2893276	0.278565	0.01	-3.7	20
2,4,5-Trichlorophenol	A	10.0	10.1	0.299758	0.3034167	0.2	1.2	20
2,4,6-Trichlorophenol	A	10.0	10.1	0.2865524	0.2903919	0.2	1.3	20

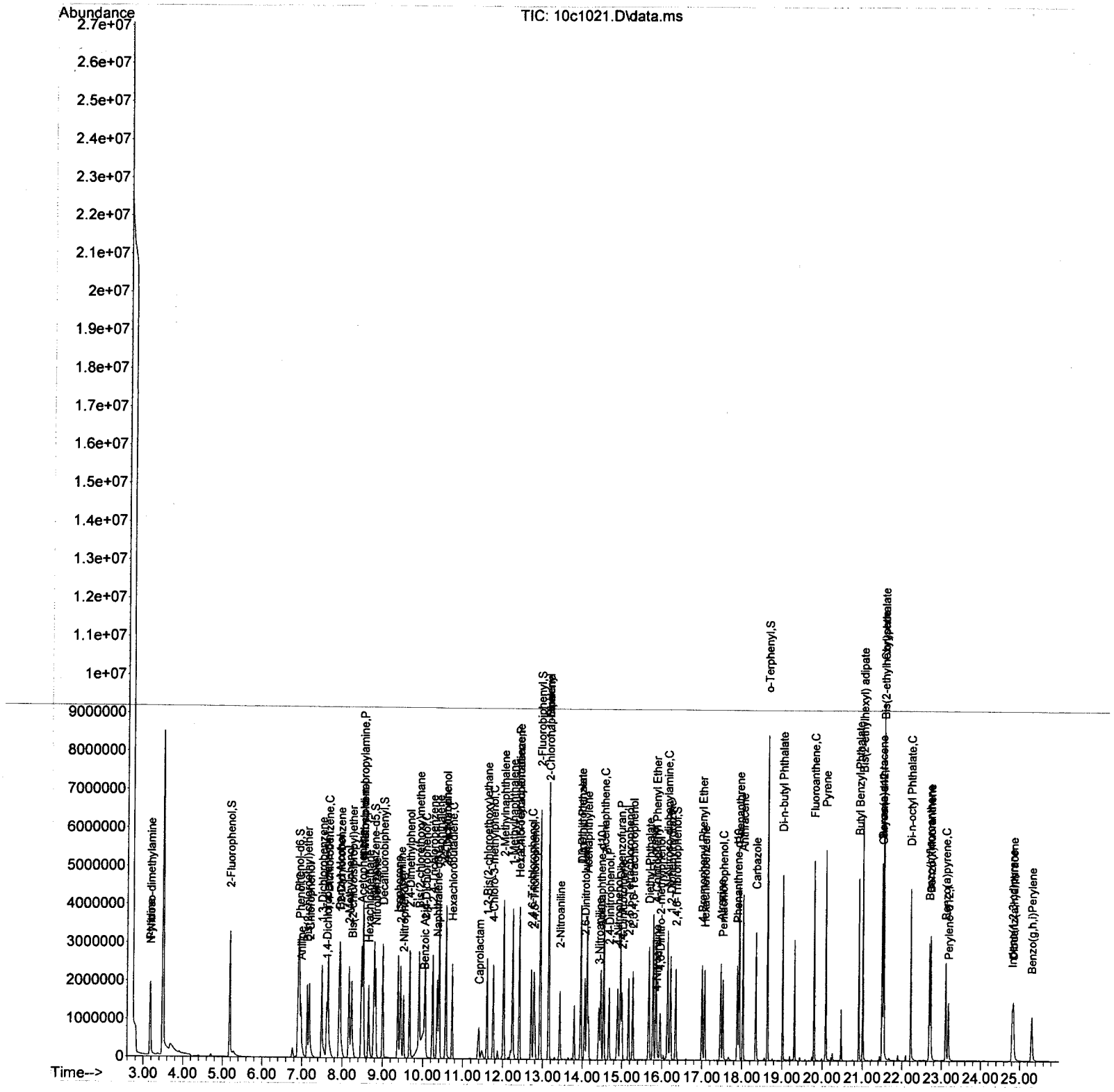
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 10c1021.D
Acq On : 21 Oct 2014 12:52
Operator : JLB
Sample : 10c1021 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 21 13:30:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 13:30:44 2014
Response via : Initial Calibration



100414BNA.M Tue Oct 21 13:31:14 2014 339

004286

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 10c1021.D
Acq On : 21 Oct 2014 12:52
Operator : JLB
Sample : 10c1021 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 21 13:30:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 13:30:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.611	152	456151	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.356	136	1748646	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.471	164	964891	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.887	188	1469197	5.00	ng/uL		0.00
81) Chrysene-d12	21.507	240	1115079	5.00	ng/uL	#	0.00
89) Perylene-d12	23.179	264	797372	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.186	112	2050490	19.67	ng/uL		0.00
6) Phenol-d6	6.918	99	2657188	19.70	ng/uL		0.00
21) Nitrobenzene-d5	8.789	82	2219822	19.86	ng/uL		0.00
23) Decafluorobiphenyl	9.010	334	1339151	17.09	ng/uL		0.00
47) 2-Fluorobiphenyl	12.939	172	3646941	18.29	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.354	330	413166	18.54	ng/uL		0.00
78) o-Terphenyl	18.645	230	2248784	17.85	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.181	74	619778	9.20	ng/uL		87
3) Pyridine	3.170	79	1157469	10.03	ng/uL	#	82
5) Aniline	6.976	93	1195560	10.71	ng/uL		92
7) Phenol	6.941	94	1555079	10.14	ng/uL		90
8) Bis(2-chloroethyl)ether	7.127	93	1299297	10.06	ng/uL		91
9) 2-Chlorophenol	7.186	128	1226839	10.09	ng/uL	#	34
10) 1,3-Dichlorobenzene	7.489	146	1266659	9.61	ng/uL		95
11) 1,4-Dichlorobenzene	7.646	146	1278044	9.65	ng/uL		95
12) 1,2-Dichlorobenzene	7.949	146	1203748	9.73	ng/uL		94
13) Bis(2-chloroisipropyl)...	8.246	45	2053083	10.00	ng/uL		96
14) Benzyl Alcohol	7.926	108	813659	10.37	ng/uL		86
15) 2-Methylphenol	8.165	108	1100745	10.10	ng/uL		96
16) Acetophenone	8.480	105	1649124	10.03	ng/uL		90
17) Hexachloroethane	8.654	119	490548	9.98	ng/uL		96
18) 4-Methylphenol	8.520	108	1083188	9.98	ng/uL	#	47
19) N-Nitroso-di-n-propyla...	8.520	70	832140	10.12	ng/uL	#	75
22) Nitrobenzene	8.829	77	1236090	10.12	ng/uL	#	1
24) Isophorone	9.383	82	2293529	10.21	ng/uL		99
25) 2-Chloroaniline	9.447	127	1510604	10.56	ng/uL		99
26) 2-Nitrophenol	9.523	139	610473	10.51	ng/uL	#	88
27) 2,4-Dimethylphenol	9.675	107	1066119	9.46	ng/uL	#	67
28) Bis(2-chlorethoxy)methane	9.908	93	1397147	10.25	ng/uL		96
29) 2,4-Dichlorophenol	10.059	162	887420	9.99	ng/uL		99
30) Benzoic Acid	10.036	105	1709699	20.29	ng/uL		98
31) 1,2,4-Trichlorobenzene	10.246	180	974223	9.63	ng/uL		97
32) Naphthalene	10.409	128	3378170	9.68	ng/uL		100
33) 4-Chloroaniline	10.572	127	1063781 ab ~~12.45~~		ng/uL	#	79
34) 2,6-Dichlorophenol	10.578	162	850830	9.65	ng/uL		94
35) Hexachlorobutadiene	10.735	225	518365	9.39	ng/uL		98
36) Caprolactam	11.406	55	553147	10.99	ng/uL	#	74
37) 1,2-Bis(2-chloroethoxy...	11.604	63	1177338	10.32	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.755	107	996588	10.19	ng/uL		93
39) 2-Methylnaphthalene	12.023	142	2146956	9.66	ng/uL		98
40) 1-Methylnaphthalene	12.245	142	1947911	9.63	ng/uL		99
41) 1,3 Dinitrobenzene	13.970	168	351704	9.71	ng/uL		100

004287

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 10c1021.D
Acq On : 21 Oct 2014 12:52
Operator : JLB
Sample : 10c1021 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 21 13:30:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 13:30:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.414	216	803069	9.40	ng/uL	98
44) Hexachlorocyclopentadiene	12.408	237	377621	7.96	ng/uL	97
45) 2,4,6-Trichlorophenol	12.711	196	560393	10.13	ng/uL	94
46) 2,4,5-Trichlorophenol	12.775	196	585528	10.12	ng/uL#	93
48) 2-Chloronaphthalene	13.160	162	1752721	9.38	ng/uL	91
49) 1,1'-Biphenyl	13.154	154	2385595	9.38	ng/uL	96
50) 2-Nitroaniline	13.440	138	680051	ab ~~10.77~~	ng/uL	99
51) Acenaphthylene	14.128	152	3013735	9.74	ng/uL#	81
52) 2,6-Dinitrotoluene	14.069	165	504432	10.12	ng/uL	97
53) Dimethyl Phthalate	13.970	163	2055977	9.85	ng/uL	98
54) 3-Nitroaniline	14.425	138	451664	ab ~~10.33~~	ng/uL#	1
55) Acenaphthene	14.547	153	1976472	9.71	ng/uL	98
56) 2,4-Dinitrophenol	14.681	184	475039	18.50	ng/uL	95
57) Dibenzofuran	14.967	168	2530574	9.58	ng/uL	99
58) 4-Nitrophenol	14.897	65	718370	18.26	ng/uL	98
59) 2,4-Dinitrotoluene	15.008	165	617561	9.88	ng/uL#	82
60) 2,3,5,6-Tetrachlorophenol	15.171	232	479967	10.09	ng/uL	97
61) 2,3,4,6-Tetrachlorophenol	15.276	232	467891	9.77	ng/uL	94
62) Fluorene	15.783	166	2061951	9.65	ng/uL#	97
63) Diethyl Phthalate	15.678	149	1916157	9.74	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.853	204	937447	9.50	ng/uL	89
65) 4-Nitroaniline	15.870	138	220661	ab ~~6.98~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.958	198	327168	9.57	ng/uL	95
68) N-Nitroso-diphenylamine	16.144	169	1590890	9.79	ng/uL	98
69) 1,2-Diphenylhydrazine	16.226	182	584314	9.92	ng/uL	86
71) 4-Bromophenyl Phenyl E...	17.007	248	479676	9.66	ng/uL	99
72) Hexachlorobenzene	17.071	284	511298	9.42	ng/uL#	95
73) Atrazine	17.473	200	469498	9.59	ng/uL	97
74) Pentachlorophenol	17.526	266	352318	11.07	ng/uL	98
75) Phenanthrene	17.934	178	2709924	9.52	ng/uL	100
76) Anthracene	18.033	178	2633570	9.59	ng/uL	100
77) Carbazole	18.353	167	2112806	8.92	ng/uL	99
79) Di-n-butyl Phthalate	19.018	149	2875776	10.17	ng/uL	99
80) Fluoroanthene	19.799	202	2569359	9.47	ng/uL	96
82) Pyrene	20.090	202	2668697	10.09	ng/uL	97
83) Butyl Benzyl Phthalate	20.912	149	1150828	11.02	ng/uL	92
84) Bis(2-ethylhexyl) adipate	21.011	129	1078583	10.48	ng/uL#	100
85) Benzo(a)anthracene	21.495	228	2046596	10.07	ng/uL	98
86) Chrysene	21.536	228	1829593	9.21	ng/uL#	87
87) Bis(2-ethylhexyl)phtha...	21.542	149	1362893	10.19	ng/uL	93
88) Di-n-octyl Phthalate	22.218	149	2479782	10.44	ng/uL	100
90) Benzo(b)fluoroanthene	22.690	252	1636388	11.30	ng/uL	97
91) Benzo(k)fluoranthene	22.725	252	1703393	10.41	ng/uL	96
92) Benzo(a)pyrene	23.110	252	1510365	11.06	ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.811	276	1276122	10.80	ng/uL#	84
94) Dibdenz(a,h)anthracene	24.841	278	1061944	11.00	ng/uL#	86
95) Benzo(g,h,i)Perylene	25.307	276	1044291	10.25	ng/uL	90

not needed for DoD

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004288

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J21047-CCV2
Injection Date: 10/21/14
Calibration Date: 10/04/14 11:28
Sequence: 4J21047

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1021b.D
Injection Time: 13:24
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	10.2	0.3678384	0.4155633	0.01	2.4	20
3,3′-Dichlorobenzidine	A	10.0	10.7	0.2873976	0.3071298	0.01	6.9	20
4-Nitroaniline	L	10.0	8.00	0.2482629	0.2098555	0.01	-20.0	20
2-Nitroaniline	L	10.0	9.83	0.3358017	0.3484249	0.01	-1.7	20
3-Nitroaniline	L	10.0	9.04	0.2883083	0.2703256	0.01	-9.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J22008-CCV2
Injection Date: 10/21/14
Calibration Date: 10/04/14 11:28
Sequence: 4J22008

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1021b.D
Injection Time: 13:24
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	10.2	0.3678384	0.4155633	0.01	2.4	20
3,3′-Dichlorobenzidine	A	10.0	10.7	0.2873976	0.3071298	0.01	6.9	20
4-Nitroaniline	L	10.0	8.00	0.2482629	0.2098555	0.01	-20.0	20
2-Nitroaniline	L	10.0	9.83	0.3358017	0.3484249	0.01	-1.7	20
3-Nitroaniline	L	10.0	9.04	0.2883083	0.2703256	0.01	-9.6	20

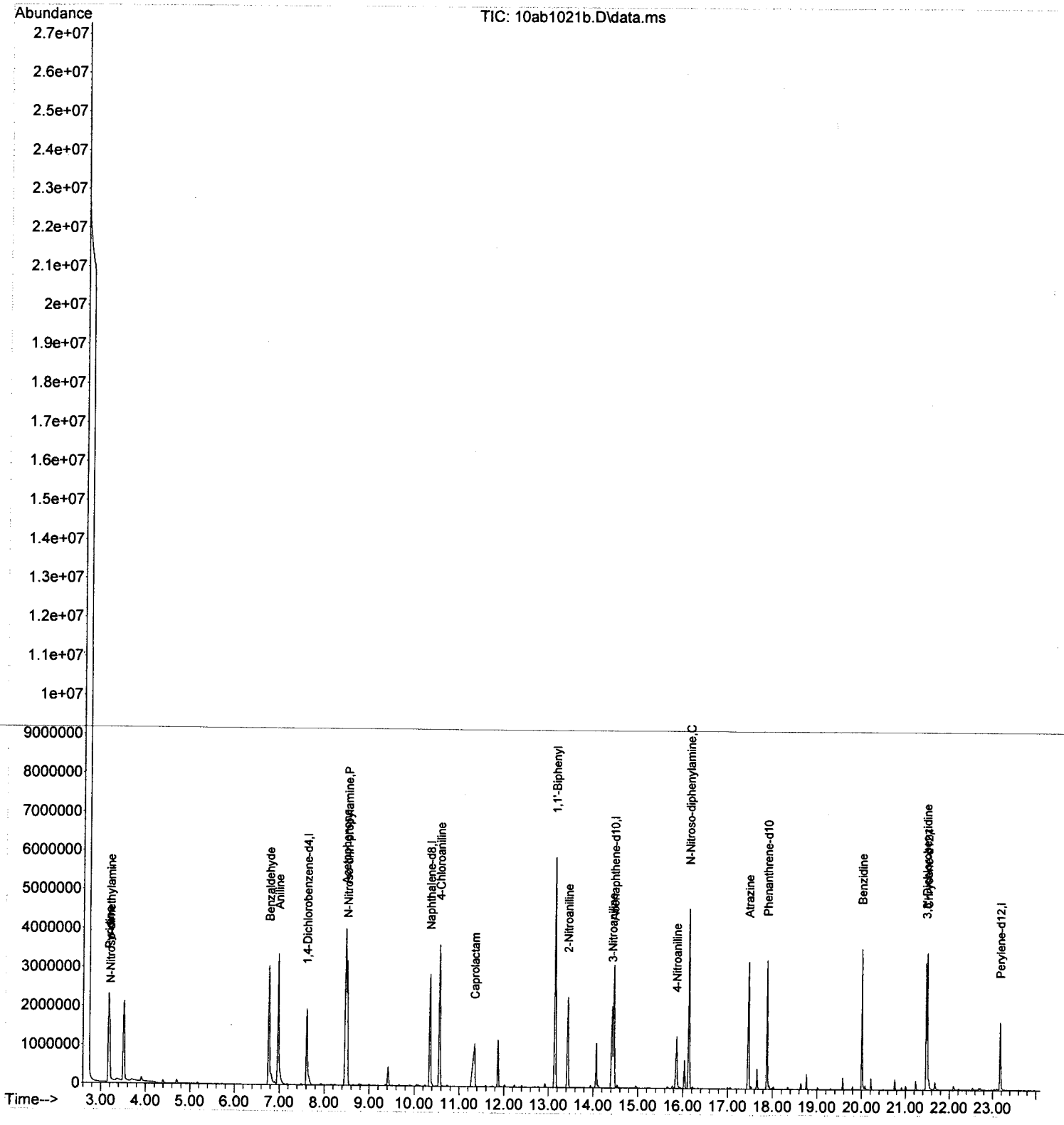
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 10ab1021b.D
Acq On : 21 Oct 2014 13:24
Operator : JLB
Sample : 10ab1021 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 21 13:50:28 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 13:49:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 10ab1021b.D
Acq On : 21 Oct 2014 13:24
Operator : JLB
Sample : 10ab1021 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 21 13:50:28 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 13:49:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.611	152	608588	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.357	136	2377497	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.466	164	1280012	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.887	188	1806752	5.00	ng/uL		0.00
19) Chrysene-d12	21.501	240	1358359	5.00	ng/uL	#	0.00
22) Perylene-d12	23.174	264	937530	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.205	74	962635	9.98	ng/uL		86
3) Pyridine	3.176	79	1720589	10.13	ng/uL#		78
4) Aniline	6.976	93	2685780	10.32	ng/uL		95
5) Benzaldehyde	6.772	105	1333709	9.98	ng/uL#		1
6) Acetophenone	8.474	105	2376850	10.26	ng/uL		90
7) N-Nitroso-di-n-propyla...	8.515	70	1220090	10.42	ng/uL#		77
9) 4-Chloroaniline	10.572	127	1976001	10.24	ng/uL#		45
10) Caprolactam	11.347	55	778376	10.21	ng/uL		93
12) 1,1'-Biphenyl	13.154	154	3624078	9.48	ng/uL		96
13) 2-Nitroaniline	13.440	138	891976	9.83	ng/uL		98
14) 3-Nitroaniline	14.425	138	692040	9.04	ng/uL#		1
15) 4-Nitroaniline	15.865	138	537235	8.00	ng/uL#		1
17) N-Nitroso-diphenylamine	16.139	169	2124297	10.10	ng/uL		98
18) Atrazine	17.479	200	672430	10.05	ng/uL		96
20) Benzidine	20.009	184	1761611	9.43	ng/uL		97
21) 3,3'-Dichlorobenzidine	21.472	252	834385	10.69	ng/uL		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004292

CONTINUING CALIBRATION CHECK
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Lab Sample ID: 4J22044-CCV1
Lab File ID: 10bna1022.D
Injection Date: 10/22/14
Injection Time: 08:22
Calibration Date: 10/04/14 11:28
Calibration: 4J06006
Sequence: 4J22044
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.61	1.055312	1.014249	0.9	-3.9	20
Acenaphthylene	A	10.0	9.62	1.602723	1.541951	0.9	-3.8	20
Anthracene	A	10.0	9.78	0.9344171	0.913564	0.7	-2.2	20
Benzo(a)anthracene	A	10.0	10.1	0.9113378	0.9186581	0.8	0.8	20
Benzo(a)pyrene	A	10.0	10.8	0.8566272	0.928209	0.7	8.4	20
Benzo(b)fluoranthene	A	10.0	10.5	0.9083445	0.9541635	0.7	5.0	20
Benzo(k)fluoranthene	A	10.0	9.86	1.026063	1.012068	0.7	-1.4	20
Benzo(g,h,i)perylene	A	10.0	11.1	0.6387196	0.7113718	0.5	11.4	20
Benzoic Acid	L	20.0	20.9	0.2268224	0.2526587	0.01	4.4	20
Benzyl Alcohol	A	10.0	10.2	0.859675	0.8781416	0.01	2.1	20
4-Bromophenyl Phenyl Ether	A	10.0	9.61	0.1689127	0.1623717	0.1	-3.9	20
Butyl Benzyl Phthalate	A	10.0	10.9	0.4682775	0.5119647	0.01	9.3	20
Carbazole	A	10.0	9.96	0.8059797	0.8026106	0.01	-0.4	20
4-Chloro-3-methylphenol	A	10.0	10.2	0.2797675	0.2845114	0.2	1.7	20
Bis(2-chloroethoxy)methane	A	10.0	9.98	0.3898008	0.3890358	0.3	-0.2	20
Bis(2-chloroethyl) Ether	A	10.0	9.96	1.415296	1.40999	0.7	-0.4	20
Bis(2-chloroisopropyl) Ether	A	10.0	9.76	2.250618	2.19705	0.01	-2.4	20
2-Chloronaphthalene	A	10.0	9.37	0.9680318	0.9074839	0.8	-6.3	20
2-Chlorophenol	A	10.0	10.0	1.333337	1.333801	0.8	0.03	20
4-Chlorophenyl Phenyl Ether	A	10.0	9.62	0.5112369	0.4919844	0.4	-3.8	20
Chrysene	A	10.0	9.36	0.8904179	0.83335	0.7	-6.4	20
Dibenz(a,h)anthracene	A	10.0	11.9	0.6055826	0.7215595	0.4	19.2	20
Dibenzofuran	A	10.0	9.53	1.36941	1.305443	0.8	-4.7	20
Di-n-butyl Phthalate	A	10.0	10.3	0.9619959	0.9947743	0.01	3.4	20
1,4-Dichlorobenzene	A	10.0	9.63	1.451559	1.397617	0.01	-3.7	20
1,2-Dichlorobenzene	A	10.0	9.64	1.355521	1.307275	0.01	-3.6	20
1,3-Dichlorobenzene	A	10.0	9.60	1.444903	1.387038	0.01	-4.0	20
2,4-Dichlorophenol	A	10.0	9.91	0.2539136	0.2516587	0.2	-0.9	20
Diethyl Phthalate	A	10.0	9.92	1.019087	1.011117	0.01	-0.8	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J22044-CCV1
Injection Date: 10/22/14
Calibration Date: 10/04/14 11:28
Sequence: 4J22044

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1022.D
Injection Time: 08:22
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dimethylphenol	A	10.0	9.32	0.3221636	0.3002992	0.2	-6.8	20
Dimethyl Phthalate	A	10.0	9.76	1.081514	1.055473	0.01	-2.4	20
4,6-Dinitro-2-methylphenol	L	10.0	10.2	9.711342E-02	0.1189124	0.01	1.5	20
2,4-Dinitrophenol	L	20.0	20.9	0.1272305	0.1418191	0.01	4.4	20
2,6-Dinitrotoluene	A	10.0	10.2	0.2581995	0.2628597	0.2	1.8	20
2,4-Dinitrotoluene	A	10.0	10.5	0.3239502	0.3398952	0.2	4.9	20
Di-n-octyl Phthalate	L	10.0	10.8	0.9447342	1.156351	0.01	8.5	20
1,2-Diphenylhydrazine	A	10.0	9.80	0.2003691	0.1964472	0.01	-2.0	20
Bis(2-ethylhexyl) Phthalate	A	10.0	10.3	0.5996469	0.6172087	0.01	2.9	20
Fluoranthene	A	10.0	9.99	0.9237645	0.9223846	0.6	-0.1	20
Fluorene	A	10.0	9.75	1.107485	1.079851	0.9	-2.5	20
Hexachlorobenzene	A	10.0	9.29	0.1846747	0.1716237	0.1	-7.1	20
Hexachlorobutadiene	A	10.0	9.50	0.1578851	0.149989	0.01	-5.0	20
Hexachloroethane	A	10.0	10.0	0.5390411	0.5389446	0.3	-0.02	20
Indeno(1,2,3-cd)pyrene	A	10.0	11.8	0.7411104	0.8727396	0.5	17.8	20
Isophorone	A	10.0	9.90	0.6426017	0.6364945	0.4	-1.0	20
2-Methylnaphthalene	A	10.0	9.57	0.6357622	0.6084661	0.4	-4.3	20
3+4-Methylphenol	A	10.0	9.97	1.190003	1.18639	0.6	-0.3	20
2-Methylphenol	A	10.0	9.94	1.194064	1.18677	0.7	-0.6	20
Naphthalene	A	10.0	9.63	0.9981756	0.9612059	0.4	-3.7	20
4-Nitroaniline	L	10.0	10.8	0.2482629	0.1774166	0.01	8.3	20
2-Nitroaniline	L	10.0	10.9	0.3358017	0.3570081	0.01	9.1	20
3-Nitroaniline	L	10.0	10.9	0.2883083	0.2474443	0.01	9.2	20
Nitrobenzene	A	10.0	9.94	0.349211	0.3470067	0.2	-0.6	20
2-Nitrophenol	A	10.0	10.4	0.1660685	0.1730198	0.1	4.2	20
4-Nitrophenol	A	20.0	20.2	0.2039171	0.2064174	0.01	1.2	20
N-Nitroso-dimethylamine	A	10.0	9.42	0.7385079	0.6953429	0.01	-5.8	20
N-Nitroso-diphenylamine	A	10.0	9.79	0.5529454	0.5414209	0.01	-2.1	20
N-Nitroso-di-n-propylamine	A	10.0	10.0	0.9015026	0.9052768	0.01	0.4	20

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J22044-CCV1
Injection Date: 10/22/14
Calibration Date: 10/04/14 11:28
Sequence: 4J22044

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10bna1022.D
Injection Time: 08:22
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pentachlorophenol	A	10.0	11.3	0.108286	0.122034	0.05	12.7	20
Phenanthrene	A	10.0	9.59	0.9682669	0.9281994	0.7	-4.1	20
Phenol	A	10.0	9.96	1.680502	1.674068	0.8	-0.4	20
Pyrene	A	10.0	9.69	1.186095	1.149655	0.6	-3.1	20
1,2,4-Trichlorobenzene	A	10.0	9.58	0.2893276	0.2771264	0.01	-4.2	20
2,4,5-Trichlorophenol	A	10.0	9.98	0.299758	0.2991172	0.2	-0.2	20
2,4,6-Trichlorophenol	A	10.0	10.0	0.2865524	0.2874011	0.2	0.3	20

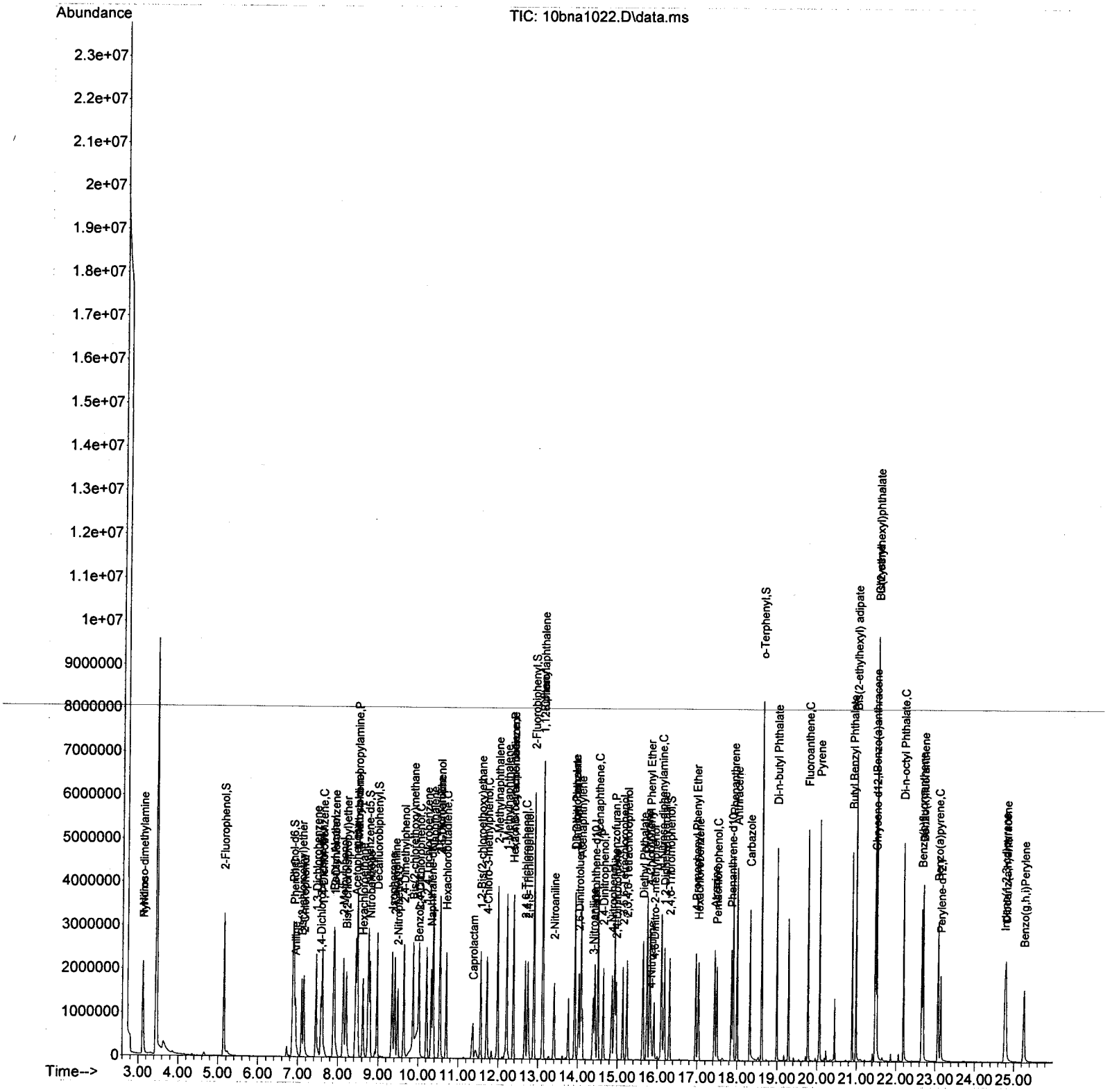
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 10bna1022.D
Acq On : 22 Oct 2014 8:22
Operator : JLB
Sample : 10bna1022 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 22 08:52:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 10bna1022.D
Acq On : 22 Oct 2014 8:22
Operator : JLB
Sample : 10bna1022 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 22 08:52:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	430676	5.00	ng/uL	#-0.01
20) Naphthalene-d8	10.322	136	1675086	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.431	164	935172	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.858	188	1481136	5.00	ng/uL	0.00
81) Chrysene-d12	21.489	240	1229538	5.00	ng/uL	# 0.01
89) Perylene-d12	23.145	264	1067905	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.146	112	1908693	19.40	ng/uL	-0.01
6) Phenol-d6	6.877	99	2500989	19.63	ng/uL	-0.01
21) Nitrobenzene-d5	8.754	82	2110980	19.71	ng/uL	0.00
23) Decafluorobiphenyl	8.975	334	1302952	17.35	ng/uL	0.00
47) 2-Fluorobiphenyl	12.904	172	3527697	18.26	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.319	330	420376	18.71	ng/uL	0.00
78) o-Terphenyl	18.622	230	2277897	17.94	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.117	74	598935	9.42	ng/uL	87
3) Pyridine	3.117	79	1119936	10.28	ng/uL	83
5) Aniline	6.935	93	1119362	10.62	ng/uL#	70
7) Phenol	6.900	94	1441962	9.96	ng/uL	89
8) Bis(2-chloroethyl)ether	7.092	93	1214498	9.96	ng/uL	89
9) 2-Chlorophenol	7.145	128	1148872	10.00	ng/uL#	33
10) 1,3-Dichlorobenzene	7.454	146	1194728	9.60	ng/uL	94
11) 1,4-Dichlorobenzene	7.611	146	1203840	9.63	ng/uL	94
12) 1,2-Dichlorobenzene	7.908	146	1126024	9.64	ng/uL	92
13) Bis(2-chloroisipropyl)...	8.206	45	1892433	9.76	ng/uL	97
14) Benzyl Alcohol	7.891	108	756389	10.21	ng/uL	88
15) 2-Methylphenol	8.130	108	1022227	9.94	ng/uL	96
16) Acetophenone	8.445	105	1568898	10.11	ng/uL	91
17) Hexachloroethane	8.614	119	464221	10.00	ng/uL	97
18) 4-Methylphenol	8.486	108	1021899	9.97	ng/uL#	47
19) N-Nitroso-di-n-propyla...	8.486	70	779762	10.04	ng/uL#	76
22) Nitrobenzene	8.794	77	1162532	9.94	ng/uL#	1
24) Isophorone	9.348	82	2132366	9.90	ng/uL	99
25) 2-Chloroaniline	9.412	127	1425106	10.39	ng/uL	99
26) 2-Nitrophenol	9.488	139	579646	10.42	ng/uL#	88
27) 2,4-Dimethylphenol	9.645	107	1006054	9.32	ng/uL#	67
28) Bis(2-chlorethoxy)methane	9.873	93	1303337	9.98	ng/uL	96
29) 2,4-Dichlorophenol	10.024	162	843100	9.91	ng/uL	99
30) Benzoic Acid	10.007	105	1692900	20.89	ng/uL	97
31) 1,2,4-Trichlorobenzene	10.211	180	928421	9.58	ng/uL	97
32) Naphthalene	10.374	128	3220205	9.63	ng/uL	100
33) 4-Chloroaniline	10.537	127	1020695	AV ~~12.47~~	ng/uL#	80
34) 2,6-Dichlorophenol	10.543	162	812096	9.61	ng/uL	95
35) Hexachlorobutadiene	10.695	225	502489	9.50	ng/uL	99
36) Caprolactam	11.377	55	542250	11.24	ng/uL#	76
37) 1,2-Bis(2-chloroethoxy...	11.569	63	1116874	10.22	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.726	107	953162	10.17	ng/uL	92
39) 2-Methylnaphthalene	11.989	142	2038466	9.57	ng/uL	99
40) 1-Methylnaphthalene	12.210	142	1863847	9.62	ng/uL	99
41) 1,3 Dinitrobenzene	13.935	168	349565	10.08	ng/uL	100

004237

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 10bna1022.D
Acq On : 22 Oct 2014 8:22
Operator : JLB
Sample : 10bna1022 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 22 08:52:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.379	216	776654	9.38	ng/uL	98
44) Hexachlorocyclopentadiene	12.373	237	391251	8.51	ng/uL	98
45) 2,4,6-Trichlorophenol	12.676	196	537539	10.03	ng/uL	94
46) 2,4,5-Trichlorophenol	12.746	196	559452	9.98	ng/uL#	91
48) 2-Chloronaphthalene	13.119	162	1697307	9.37	ng/uL	91
49) 1,1'-Biphenyl	13.113	154	2284256	9.27	ng/uL	96
50) 2-Nitroaniline	13.405	138	667728	ab ~~10.~~91	ng/uL	99
51) Acenaphthylene	14.087	152	2883979	9.62	ng/uL#	80
52) 2,6-Dinitrotoluene	14.034	165	491638	10.18	ng/uL	98
53) Dimethyl Phthalate	13.929	163	1974098	9.76	ng/uL	98
54) 3-Nitroaniline	14.390	138	462806	ab ~~10.92~~	ng/uL#	1
55) Acenaphthene	14.512	153	1896994	9.61	ng/uL	98
56) 2,4-Dinitrophenol	14.646	184	530501	20.89	ng/uL	96
57) Dibenzofuran	14.932	168	2441628	9.53	ng/uL	98
58) 4-Nitrophenol	14.868	65	772143	20.25	ng/uL	98
59) 2,4-Dinitrotoluene	14.973	165	635721	10.49	ng/uL#	84
60) 2,3,5,6-Tetrachlorophenol	15.142	232	473596	10.27	ng/uL	97
61) 2,3,4,6-Tetrachlorophenol	15.241	232	464166	10.00	ng/uL	94
62) Fluorene	15.748	166	2019693	9.75	ng/uL	98
63) Diethyl Phthalate	15.643	149	1891137	9.92	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.812	204	920180	9.62	ng/uL	89
65) 4-Nitroaniline	15.847	138	331830	ab ~~10.83~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.923	198	352251	10.15	ng/uL	95
68) N-Nitroso-diphenylamine	16.109	169	1603836	9.79	ng/uL	99
69) 1,2-Diphenylhydrazine	16.185	182	581930	9.80	ng/uL	84
71) 4-Bromophenyl Phenyl E...	16.972	248	480989	9.61	ng/uL	98
72) Hexachlorobenzene	17.036	284	508396	9.29	ng/uL#	95
73) Atrazine	17.444	200	498524	10.10	ng/uL	97
74) Pentachlorophenol	17.497	266	361498	11.27	ng/uL	97
75) Phenanthrene	17.905	178	2749579	9.59	ng/uL	100
76) Anthracene	18.004	178	2706225	9.78	ng/uL	100
77) Carbazole	18.324	167	2377551	9.96	ng/uL	99
79) Di-n-butyl Phthalate	18.995	149	2946792	10.34	ng/uL	99
80) Fluoroanthene	19.776	202	2732354	9.99	ng/uL	94
82) Pyrene	20.067	202	2827090	9.69	ng/uL	99
83) Butyl Benzyl Phthalate	20.895	149	1258960	10.93	ng/uL	92
84) Bis(2-ethylhexyl) adipate	20.988	129	1181169	10.41	ng/uL#	100
85) Benzo(a)anthracene	21.478	228	2259050	10.08	ng/uL	98
86) Chrysene	21.512	228	2049271	9.36	ng/uL#	89
87) Bis(2-ethylhexyl)phtha...	21.518	149	1517763	10.29	ng/uL	93
88) Di-n-octyl Phthalate	22.194	149	2843554	10.85	ng/uL	100
90) Benzo(b)fluoroanthene	22.667	252	2037912	10.50	ng/uL	98
91) Benzo(k)fluoranthene	22.702	252	2161586	9.86	ng/uL	97
92) Benzo(a)pyrene	23.080	252	1982478	10.84	ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.777	276	1864006	11.78	ng/uL#	87
94) Dibdenz(a,h)anthracene	24.806	278	1541114	11.92	ng/uL#	88
95) Benzo(g,h,i)Perylene	25.266	276	1519355	11.14	ng/uL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Lab Sample ID: 4J22044-CCV2
Injection Date: 10/22/14
Calibration Date: 10/04/14 11:28
Sequence: 4J22044

SDG: 50094-12
Project: Gabreski ANGB, NY
Lab File ID: 10ab1022.D
Injection Time: 08:54
Calibration: 4J06006
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	L	10.0	10.4	0.3678384	0.4239727	0.01	4.5	20
3,3′-Dichlorobenzidine	A	10.0	11.3	0.2873976	0.3244961	0.01	12.9	20
4-Nitroaniline	L	10.0	10.8	0.2482629	0.2824344	0.01	7.7	20
2-Nitroaniline	L	10.0	10.5	0.3358017	0.3712945	0.01	4.8	20
3-Nitroaniline	L	10.0	10.3	0.2883083	0.3085428	0.01	3.2	20

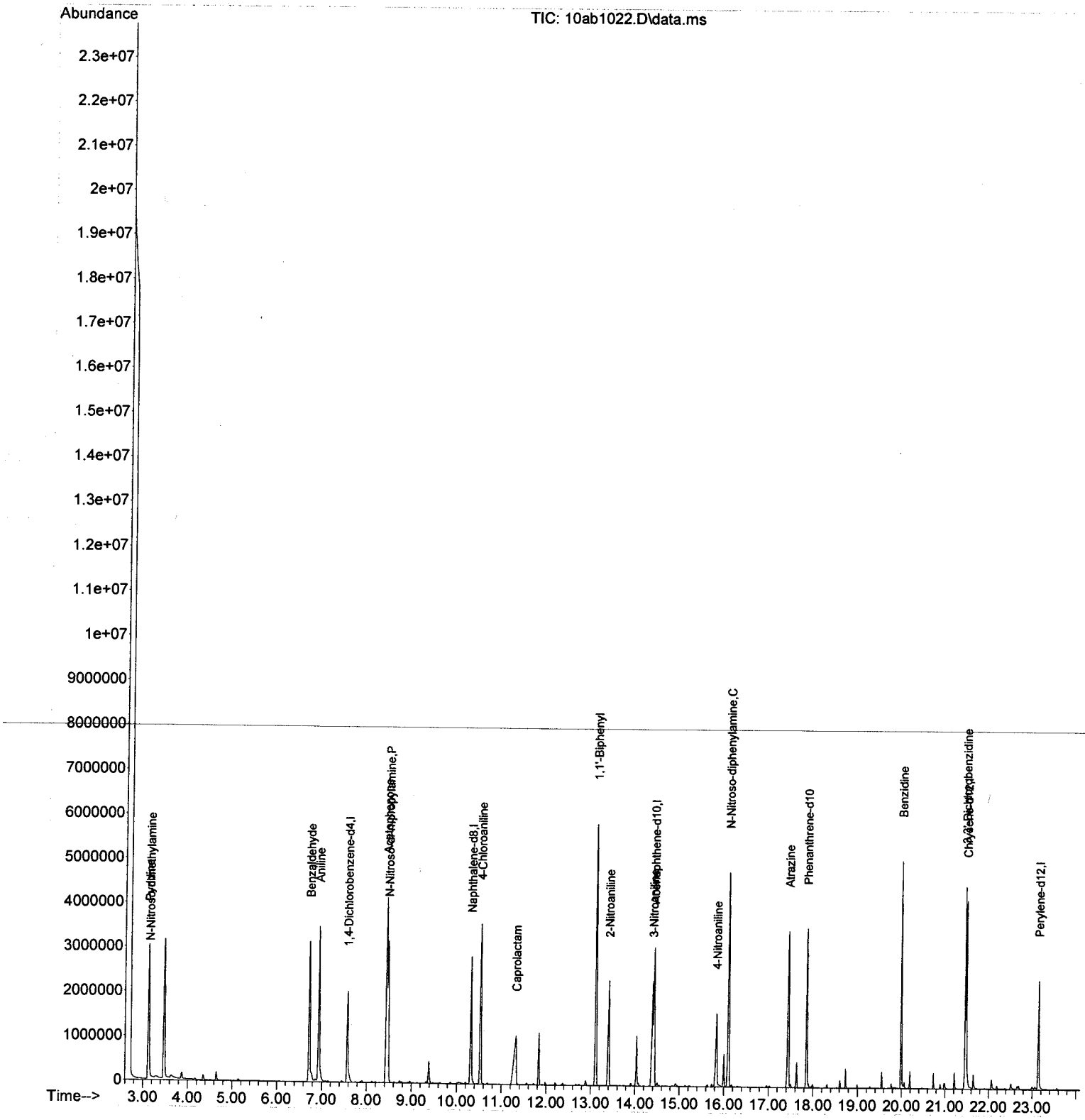
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 10ab1022.D
Acq On : 22 Oct 2014 8:54
Operator : JLB
Sample : 10ab1022 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 22 09:59:36 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 09:59:32 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 10ab1022.D
Acq On : 22 Oct 2014 8:54
Operator : JLB
Sample : 10ab1022 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 22 09:59:36 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 09:59:32 2014
Response via : Initial Calibration

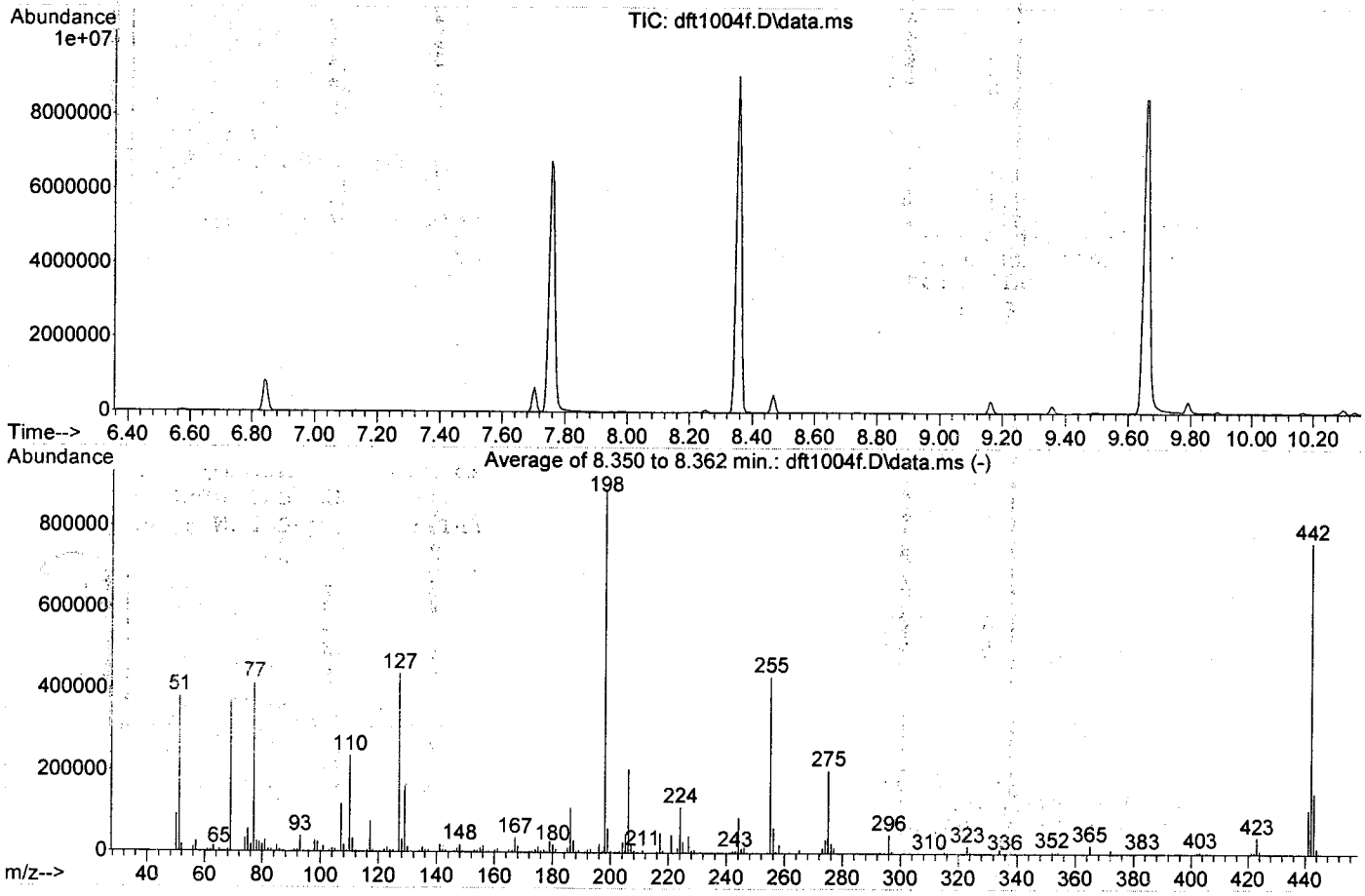
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.576	152	604756	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.322	136	2356806	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.431	164	1302458	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.858	188	2043355	5.00	ng/uL		0.00
19) Chrysene-d12	21.483	240	1727486	5.00	ng/uL	#	0.00
22) Perylene-d12	23.145	264	1351644	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.141	74	947571	9.89	ng/uL#		76
3) Pyridine	3.123	79	1482073	8.78	ng/uL#		66
4) Aniline	6.935	93	2657243	10.27	ng/uL		95
5) Benzaldehyde	6.731	105	1302769	9.81	ng/uL#		1
6) Acetophenone	8.439	105	2353204	10.22	ng/uL		90
7) N-Nitroso-di-n-propyla...	8.474	70	1193240	10.26	ng/uL#		77
9) 4-Chloroaniline	10.537	127	1998443	10.45	ng/uL#		45
10) Caprolactam	11.318	55	837191	11.07	ng/uL		93
12) 1,1'-Biphenyl	13.119	154	3676707	9.45	ng/uL		96
13) 2-Nitroaniline	13.411	138	967191	10.48	ng/uL		99
14) 3-Nitroaniline	14.396	138	803728	10.32	ng/uL#		1
15) 4-Nitroaniline	15.835	138	735718	10.77	ng/uL#		1
17) N-Nitroso-diphenylamine	16.104	169	2323968	9.77	ng/uL		98
18) Atrazine	17.450	200	779026	10.30	ng/uL		97
20) Benzidine	19.991	184	2440505	10.23	ng/uL		96
21) 3,3'-Dichlorobenzidine	21.454	252	1121125	11.29	ng/uL		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\100414a_339\
Data File : dft1004f.D
Acq On : 4 Oct 2014 12:24 Operator: JLB
Sample : dft1004f Inst : 339
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\tail&degrad.M
Title : 8270/625 BNA
Last Update : Wed Sep 10 08:14:34 2014



AutoFind: Scans 903, 904, 905; Background Corrected with Scan 894

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.9	381291	PASS
68	69	0.00	2	1.5	5470	PASS
69	198	0.00	100	41.6	369720	PASS
70	69	0.00	2	0.5	1828	PASS
127	198	40	60	49.2	437376	PASS
197	198	0.00	1	0.6	5568	PASS
198	198	100	100	100.0	889685	PASS
199	198	5	9	6.7	59680	PASS
275	198	10	30	22.9	203456	PASS
365	198	1	100	2.3	20879	PASS
441	443	0.01	100	72.4	108683	PASS
442	198	40	100	85.9	764629	PASS
443	442	17	23	19.6	150013	PASS

DWB 10-07-14

004302

dft1004f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
40.95	656	56.00	11754	66.90	189	77.10	414101
43.00	59	56.95	26605	67.10	299	78.10	27483
44.90	683	57.95	1366	68.05	5470	79.00	23917
47.00	339	59.00	364	69.00	369720	80.00	19509
49.00	1427	59.95	297	70.00	1828	81.00	28605
50.00	92793	61.00	4420	71.05	326	82.00	6973
51.05	381291	62.00	5034	71.85	112	83.00	6734
52.00	19033	63.00	14480	73.05	2243	83.95	131
53.00	780	64.05	2180	74.05	33477	85.00	15805
53.80	57	65.05	7781	75.00	55923	85.95	7302
54.95	1397	66.05	587	76.10	18605	87.05	3973

Average of 8.350 to 8.362 min.: dft1004f.D\data.ms
dft1004f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	1860	98.00	28987	109.05	3100	117.00	75672
88.90	190	99.00	25464	110.00	236885	118.05	5940
89.10	447	100.00	2100	111.00	34149	119.00	983
89.95	162	101.00	15602	112.05	4050	120.00	1686
91.00	5745	102.00	817	113.05	1346	121.00	424
92.00	6594	103.05	5109	113.70	75	122.00	6803
93.00	39488	104.00	9655	113.90	72	123.00	11608
94.00	2774	105.00	8642	114.20	173	124.00	5255
95.05	624	106.05	2983	114.60	82	125.10	5069
96.05	2010	107.00	119968	114.85	437	126.15	1589
97.00	723	108.00	18673	116.05	6255	127.05	437376

Average of 8.350 to 8.362 min.: dft1004f.D\data.ms
dft1004f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
128.05	32992	139.00	797	150.05	1252	161.05	9000
129.00	162547	140.00	1666	151.05	2518	162.00	2416
130.00	13673	141.05	18766	151.80	1691	163.05	628
131.05	2418	142.05	6432	153.05	5909	164.05	1238
132.10	1617	143.05	4427	154.05	4486	165.00	6626
132.95	636	144.00	1212	155.10	10631	166.05	5887
134.00	4184	145.05	1334	156.10	16149	167.05	36515
135.05	12755	146.05	3372	157.10	3457	168.05	16336
136.05	5133	147.00	9133	158.00	3112	169.05	2931
137.10	6490	148.00	19034	159.00	2652	170.05	1192
137.90	1312	149.00	4199	160.05	5973	171.00	1550

Average of 8.350 to 8.362 min.: dft1004f.D\data.ms
dft1004f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
172.05	3271	183.05	653	194.05	1959	205.10	46968
173.05	4120	184.05	2134	195.05	1265	206.10	206059
174.10	7901	185.10	13274	196.10	22771	207.05	25192
175.10	14803	186.10	109419	197.10	5568	208.05	5997
176.05	4786	187.10	31392	198.00	889685	209.05	2036
177.05	6770	188.05	3259	199.00	59680	211.10	7196
178.10	2338	189.00	6046	200.05	4421	212.00	468
179.00	27944	190.00	986	201.40	1139	213.00	525
180.05	19435	191.00	2831	201.55	2965	214.10	228
181.05	9572	192.05	8202	203.05	4977	215.05	1790
182.05	1575	193.10	9005	204.10	26541	216.05	3748

Average of 8.350 to 8.362 min.: dft1004f.D\data.ms
dft1004f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
217.00	49557	229.00	8498	240.05	1228	251.00	629
218.05	6215	230.00	1354	241.00	2121	252.05	810
219.05	645	231.05	4224	242.10	5500	253.10	1691
219.50	163	232.05	620	243.10	5990	254.10	2931
221.10	44875	233.05	739	244.10	87589	255.10	432299
223.10	12001	234.05	2520	245.10	11561	256.10	62635

225.10	28619	236.00	1933	247.00	3137	258.10	20920
226.10	2874	237.00	3360	248.00	775	259.05	3349
227.00	42059	238.05	504	249.05	2879	260.05	679
228.05	5950	239.05	1561	250.05	863	261.00	814

Average of 8.350 to 8.362 min.: dft1004f.D\data.ms
dft1004f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
261.80	119	273.10	13275	283.10	1723	295.05	993
262.10	71	274.05	34165	284.05	1022	296.05	46189
263.10	159	275.10	203456	285.05	2832	297.05	6244
263.85	348	276.10	25832	286.00	499	298.05	473
265.05	8209	277.05	14399	288.00	154	299.10	61
265.95	1269	278.00	2453	288.95	581	300.90	183
267.05	120	278.90	137	290.05	577	301.05	475
267.95	330	279.10	361	291.10	433	302.05	1062
269.95	541	280.00	52	292.05	734	303.05	5850
271.05	962	281.05	112	293.00	3852	304.05	1708
272.00	1052	282.05	299	294.05	879	305.15	250

Average of 8.350 to 8.362 min.: dft1004f.D\data.ms
dft1004f
Modified:subtracted

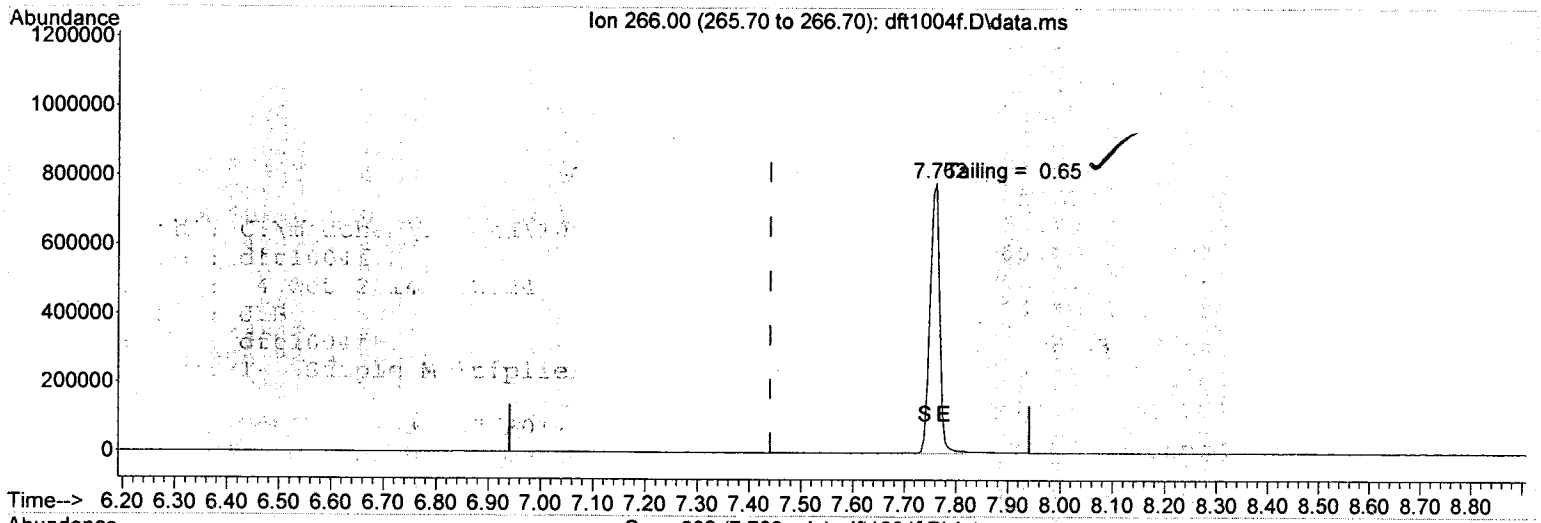
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
308.00	760	321.05	1734	334.10	10918	352.10	5530
309.05	509	322.05	1011	335.10	3002	353.05	3711
310.00	569	323.10	18525	336.00	392	354.10	5702
310.95	201	324.10	3342	338.95	240	355.10	1107
311.90	126	325.05	420	340.05	267	359.05	452
313.05	413	326.00	292	341.05	1996	361.05	136
314.05	2459	327.00	2826	342.05	540	364.10	54
315.05	5051	328.05	1584	346.00	3309	365.00	20879
316.05	3005	329.00	260	346.95	661	366.00	2965
317.00	572	332.05	1260	350.05	109	366.95	265
320.00	88	333.05	1583	351.05	240	370.05	499

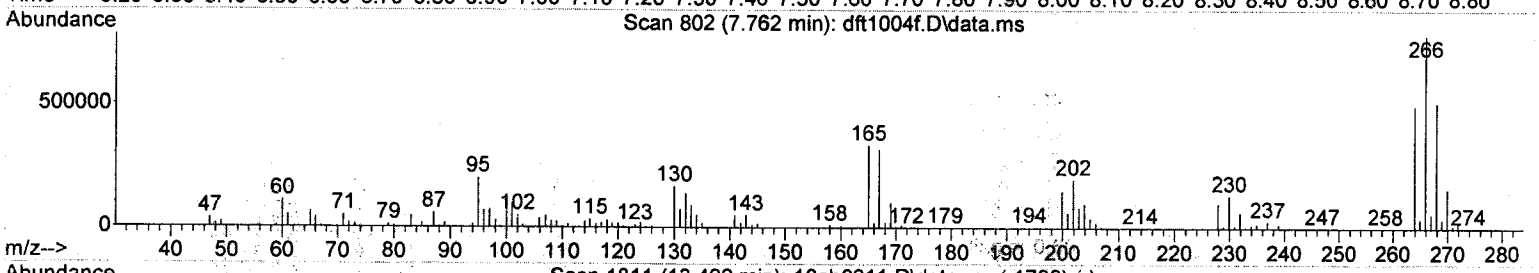
Average of 8.350 to 8.362 min.: dft1004f.D\data.ms
dft1004f
Modified:subtracted

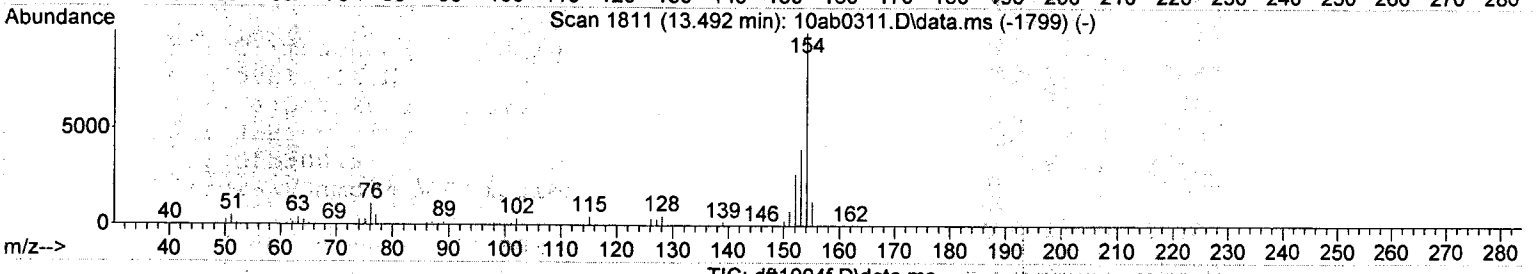
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
371.05	1374	392.10	274	423.10	40125		
372.10	10046	401.05	582	424.10	7581		
373.05	2560	402.05	4012	425.05	823		
374.05	228	403.10	5809	441.10	108683		
377.05	287	404.05	2262	442.10	764629		
383.05	2618	405.00	158	443.10	150013		
384.00	740	405.20	87	444.10	13748		
384.95	167	410.10	141	445.05	818		
390.00	1288	414.95	326				
391.05	869	421.10	5561				
391.90	410	422.10	5071				

Data Path : C:\msdchem\1\data\100414a_339\
Data File : dft1004f.D
Acq On : 4 Oct 2014 12:24
Operator : JLB
Sample : dft1004f Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 05 12:33:57 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration







TIC: dft1004f.D\data.ms

(1) Pentachlorophenol

7.762min (+ 0.321) 2.71 ng/uL

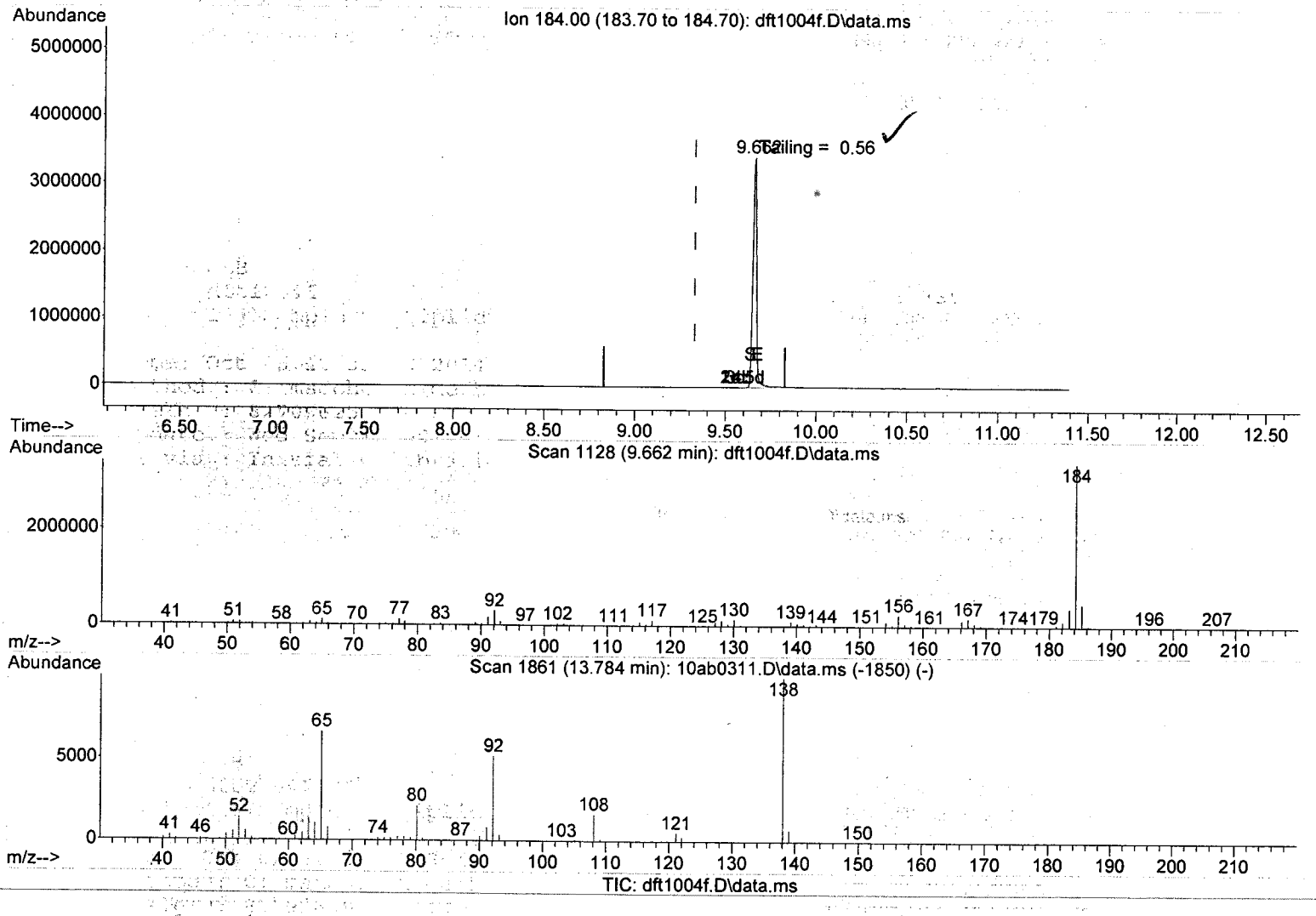
response 1032918

Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

004305

Data Path : C:\msdchem\1\data\100414a_339\
Data File : dft1004f.D
Acq On : 4 Oct 2014 12:24
Operator : JLB
Sample : dft1004f Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 05 12:33:57 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



(2) Benzidine

9.662min (+ 0.332) 30.81 ng/uL m

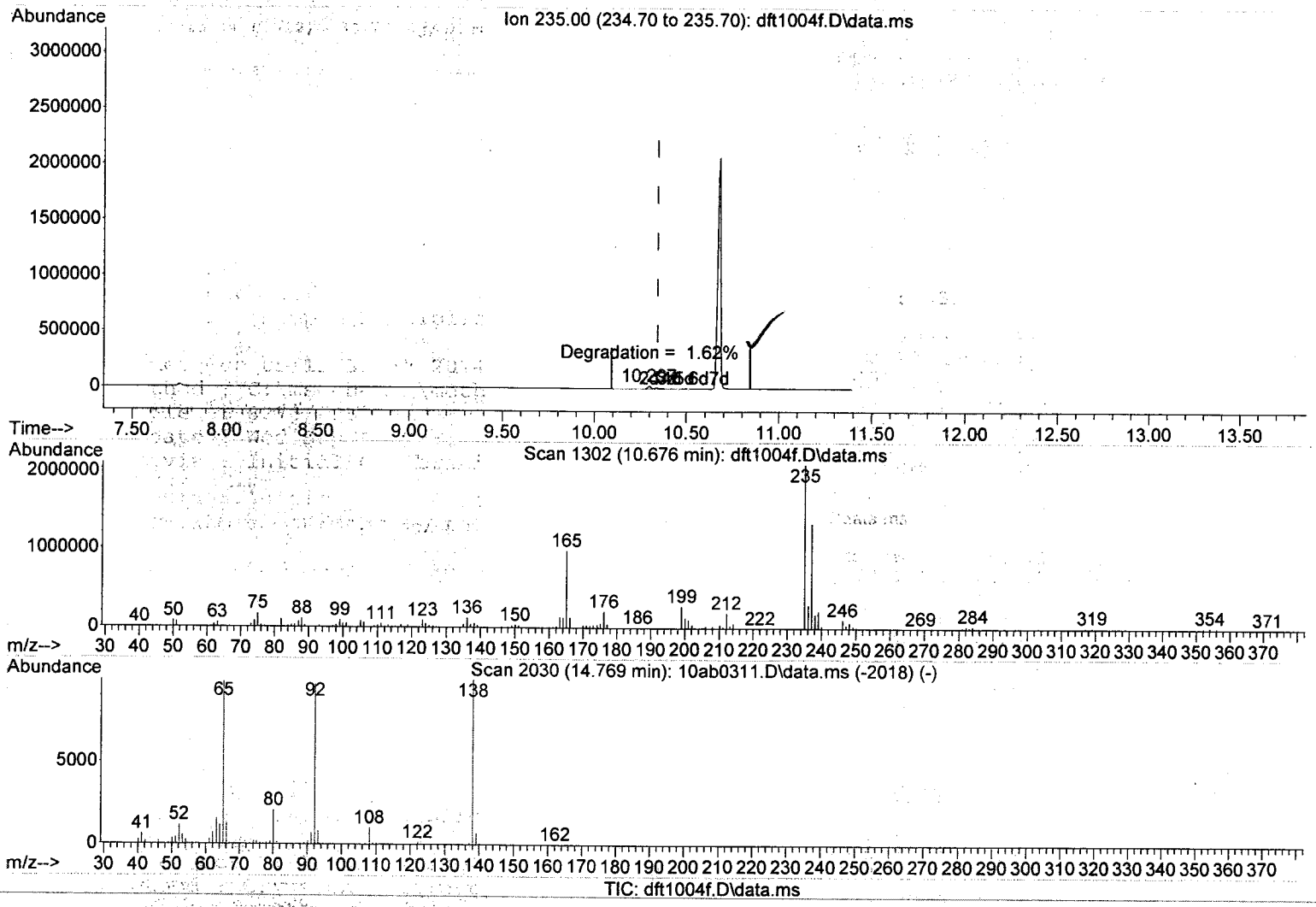
response 4703758

Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

004306

Data Path : C:\msdchem\1\data\100414a_339\
Data File : dft1004f.D
Acq On : 4 Oct 2014 12:24
Operator : JLB
Sample : dft1004f Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 05 12:33:57 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1004f.D\data.ms

(3) 4-DDT

10.676min (+ 0.332) 18.12 ng/uL m

response 2464344

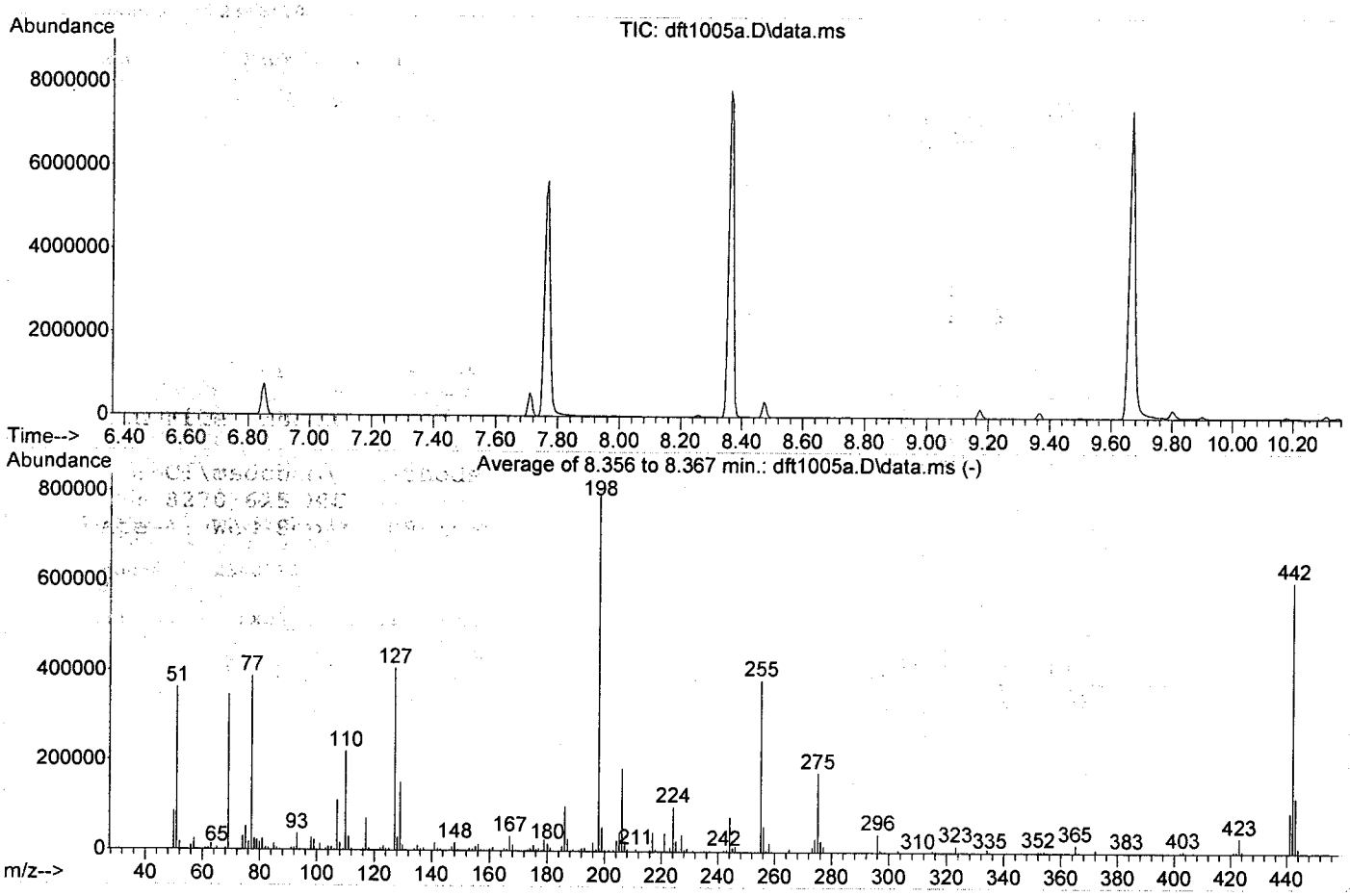
Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

004307

Data Path : C:\msdchem\1\data\100514_339\
Data File : dft1005a.D
Acq On : 5 Oct 2014 11:38 Operator: JLB
Sample : dft1005a Inst : 339
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\tail&degrad.M
Title : 8270/625 BNA
Last Update : Wed Sep 10 08:14:34 2014



AutoFind: Scans 904, 905, 906; Background Corrected with Scan 896

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.6	363034	PASS
68	69	0.00	2	1.5	5109	PASS
69	198	0.00	100	43.6	347371	PASS
70	69	0.00	2	0.5	1572	PASS
127	198	40	60	51.1	406763	PASS
197	198	0.00	1	0.6	4679	PASS
198	198	100	100	100.0	796267	PASS
199	198	5	9	6.7	53267	PASS
275	198	10	30	22.2	176421	PASS
365	198	1	100	2.2	17900	PASS
441	443	0.01	100	74.6	91160	PASS
442	198	40	100	75.9	604587	PASS
443	442	17	23	20.2	122269	PASS

ASC
10/9/14

004308

Average of 8.356 to 8.367 min.: dft1005a.D\data.ms
dft1005a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
41.05	598	56.00	10429	65.95	395	76.10	18132
41.90	51	57.00	25144	67.05	385	77.10	387669
42.85	107	57.95	1031	68.05	5109	78.10	25501
45.00	717	58.80	64	69.00	347371	79.00	22693
46.90	285	59.10	198	70.00	1572	80.00	18004
48.95	1456	59.95	137	70.90	237	81.00	25712
50.00	86253	61.00	4250	71.80	66	82.00	6626
51.00	363034	62.05	4762	72.10	51	83.00	6546
52.00	17946	63.00	14229	73.00	2218	85.00	15479
53.05	790	64.05	1824	74.00	31464	85.95	6597
55.00	1578	65.05	6562	75.00	52973	87.05	3581

Average of 8.356 to 8.367 min.: dft1005a.D\data.ms
dft1005a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	1808	99.00	23965	110.00	220523	119.00	689
88.95	634	100.05	2054	111.00	31429	120.00	1552
90.00	63	101.00	14324	112.05	3895	120.90	350
91.00	5618	102.10	831	113.05	1222	121.10	147
92.00	6306	103.05	4758	113.80	67	122.05	6458
93.00	36835	104.00	9339	114.15	251	123.05	10807
94.00	2554	105.05	8271	114.80	203	124.00	5013
95.00	689	106.00	2667	115.05	326	125.05	5015
96.05	1801	107.05	111936	116.05	5630	126.15	1274
97.00	610	108.05	17432	117.00	71925	127.10	406763
98.00	27933	109.05	3095	118.00	5583	128.05	29757

Average of 8.356 to 8.367 min.: dft1005a.D\data.ms
dft1005a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.05	151221	138.00	914	149.05	3761	159.05	2325
130.00	12627	139.05	755	150.05	1216	160.05	5399
131.00	2268	140.00	1462	151.15	2252	161.10	8401
132.05	1358	141.05	17245	151.70	564	162.05	2437
132.70	122	142.10	5908	152.00	822	163.10	749
133.15	395	143.05	3962	153.00	5604	164.05	1167
134.00	4086	144.05	1024	154.05	4460	165.05	6041
135.00	11835	145.05	1228	155.10	10332	166.05	4986
136.05	4844	146.05	2863	156.10	15473	167.05	33168
137.10	6051	147.05	9043	157.10	3309	168.05	15634
137.80	318	148.00	18080	158.05	3004	169.05	2690

Average of 8.356 to 8.367 min.: dft1005a.D\data.ms
dft1005a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
170.05	1027	181.10	8026	192.05	7462	204.10	25125
171.05	1295	182.05	1449	193.05	8251	205.10	42301
172.05	2757	183.05	852	194.10	1731	206.10	184728
173.05	3808	184.05	2122	195.00	548	207.05	23151
174.10	7023	185.10	12136	196.05	20337	208.00	5463
175.10	14120	186.10	100136	197.10	4679	209.05	1680
176.10	3967	187.10	27661	198.00	796267	210.05	1540
177.00	6282	188.05	2715	199.00	53267	210.30	992
178.05	2230	189.00	5128	200.05	3848	211.10	6592
179.00	25627	190.05	854	201.55	3687	213.00	516
180.10	17635	191.05	2609	203.05	4509	214.05	179

Average of 8.356 to 8.367 min.: dft1005a.D\data.ms
dft1005a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
215.05	1583	228.05	5220	238.90	255	249.05	2927
216.05	3410	229.05	8378	239.10	1103	249.95	503
217.00	43304	230.05	1151	240.05	1042	250.95	739
218.00	5666	231.10	3549	241.05	1816	252.05	765
219.05	637	232.00	621	242.10	4915	253.05	1553
221.05	41077	233.05	742	243.10	5637	254.00	600

004309

223.05	10246	234.05	2455	244.10	70240	251.15	1967
224.10	99659	235.10	2803	245.10	10250	255.10	383296
225.10	25013	236.00	1865	246.05	13023	256.10	56725
226.10	2435	237.05	2909	247.00	2888	257.10	4288
227.10	37496	238.05	394	248.05	703	258.05	20318

Average of 8.356 to 8.367 min.: dft1005a.D\data.ms
dft1005a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
259.05	3130	271.05	853	283.10	1518	295.10	779
260.05	405	272.05	983	284.05	1005	296.10	40469
261.05	775	273.10	11601	285.10	2336	297.05	5370
261.95	120	274.05	30104	286.05	412	298.05	448
263.00	180	275.10	176421	287.95	154	298.95	154
263.95	338	276.10	24125	288.95	488	301.05	627
265.10	7650	277.05	12957	290.00	385	302.10	889
265.95	1016	278.10	2072	291.05	353	303.10	5353
266.95	154	279.10	370	292.10	628	304.10	1434
267.90	325	281.10	77	293.05	2808	304.90	78
269.95	409	282.05	421	294.05	709	306.10	51

Average of 8.356 to 8.367 min.: dft1005a.D\data.ms
dft1005a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
308.00	680	322.05	753	333.05	1369	350.00	82
309.05	471	323.10	15643	334.10	9304	350.90	172
310.05	498	324.10	2933	335.10	2355	352.10	4407
312.10	154	325.15	378	336.05	365	353.05	3270
313.00	381	325.80	65	338.95	280	354.10	4985
314.10	2069	326.00	252	339.90	78	355.05	934
315.00	4264	327.05	2683	341.05	1855	359.10	471
316.10	2881	328.00	1393	342.10	535	361.10	51
316.95	538	329.15	231	345.00	50	365.05	17900
319.95	196	330.10	61	346.05	3055	366.05	2751
321.05	1493	332.05	1119	347.05	609	366.85	156

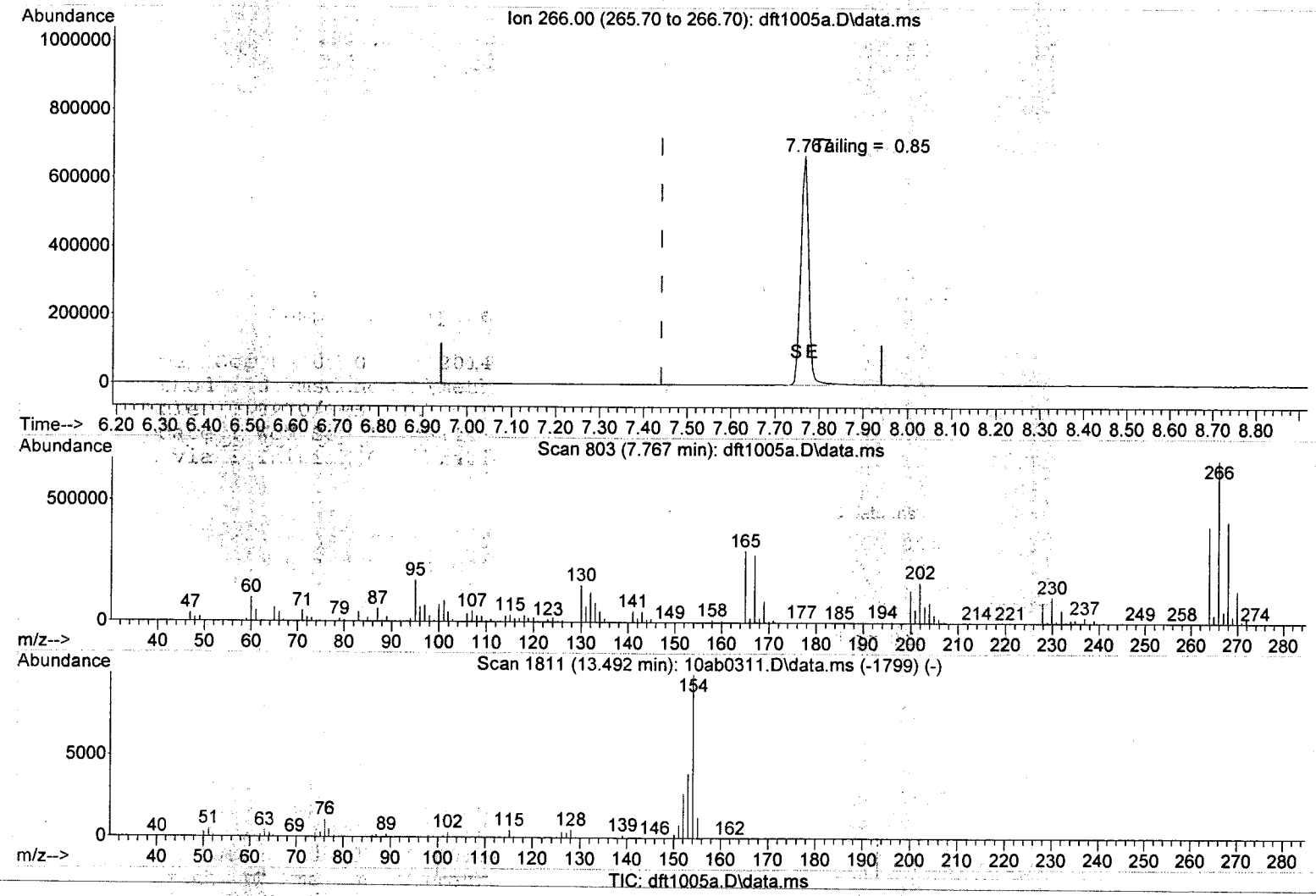
Average of 8.356 to 8.367 min.: dft1005a.D\data.ms
dft1005a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
370.10	534	392.10	547	421.00	4330		
371.05	1257	393.10	83	422.05	4068		
372.10	8576	396.95	122	423.10	33939		
373.10	1941	400.90	104	424.10	6466		
374.05	307	401.05	394	425.00	805		
376.90	175	402.05	3364	439.10	71		
383.10	2121	403.05	4727	441.10	91160		
384.05	704	404.05	1912	442.10	604587		
385.10	187	405.10	147	443.10	122269		
390.10	1168	410.10	97	444.10	11497		
391.05	809	414.90	183	445.05	672		

004310

Data Path : C:\msdchem\1\data\100514_339\
Data File : dft1005a.D
Acq On : 5 Oct 2014 11:38
Operator : JLB
Sample : dft1005a Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 06 09:07:58 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1005a.D\data.ms

(1) Pentachlorophenol

7.767min (+ 0.326) 2.21 ng/uL

response 841988

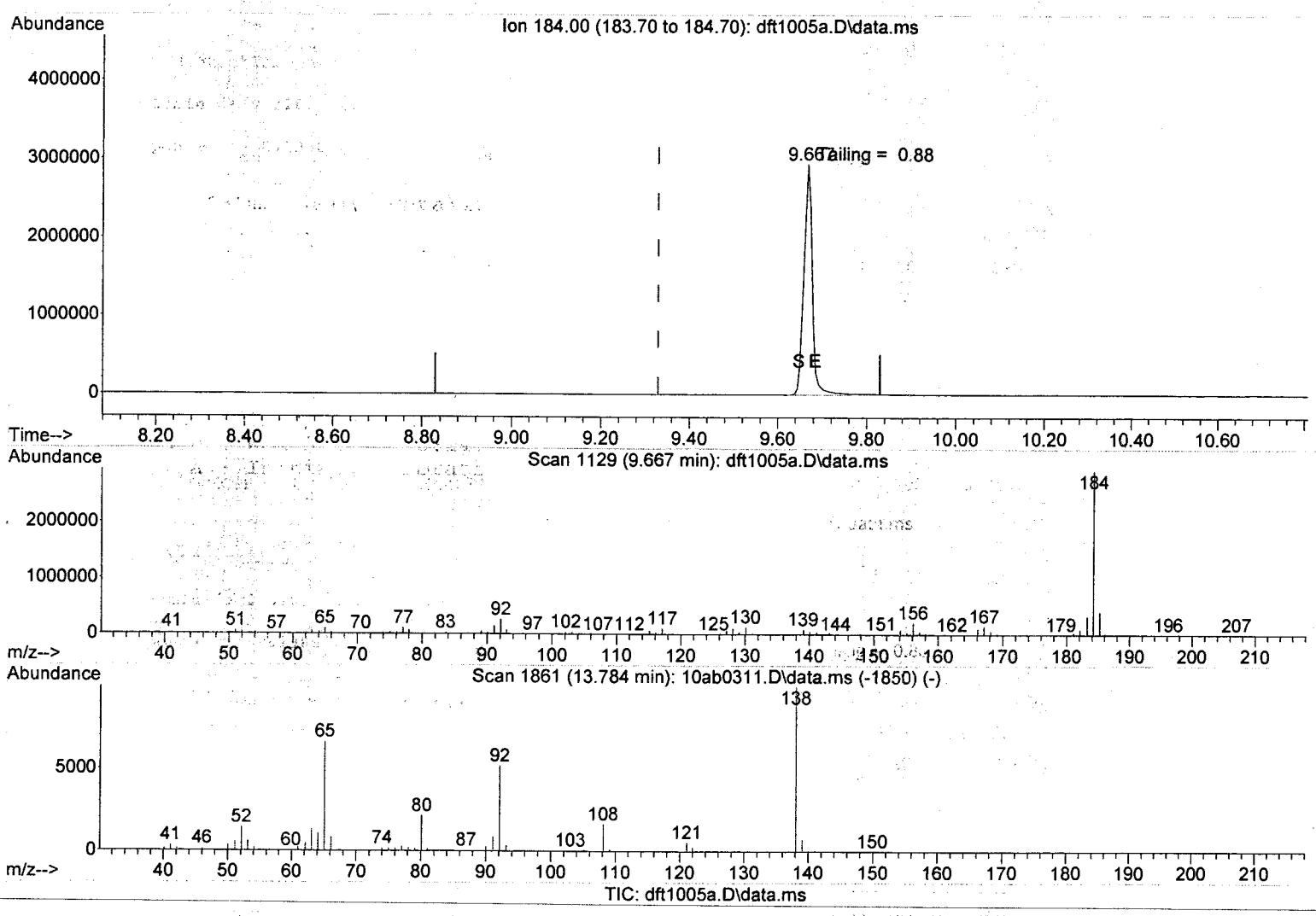
Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ASC 10/9/14

004311

Data Path : C:\msdchem\1\data\100514_339\
Data File : dft1005a.D
Acq On : 5 Oct 2014 11:38
Operator : JLB
Sample : dft1005a Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 06 09:07:58 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1005a.D\data.ms

(2) Benzidine

9.667min (+ 0.338) 24.33 ng/uL

response 3881379

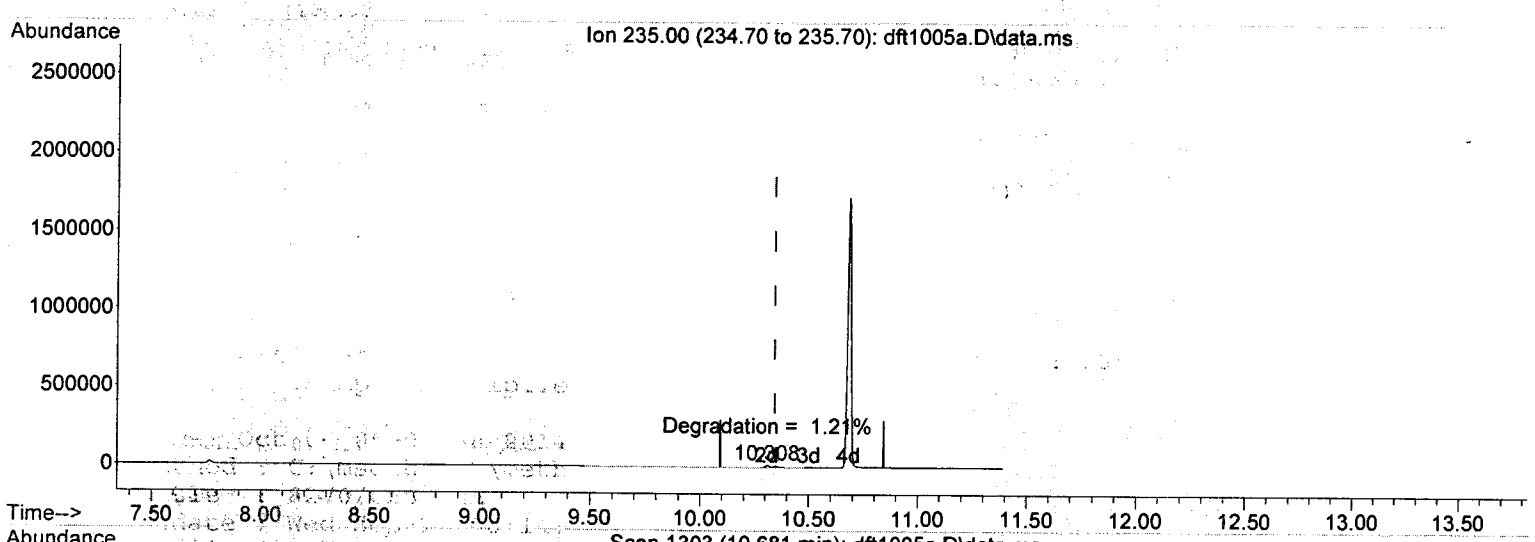
Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

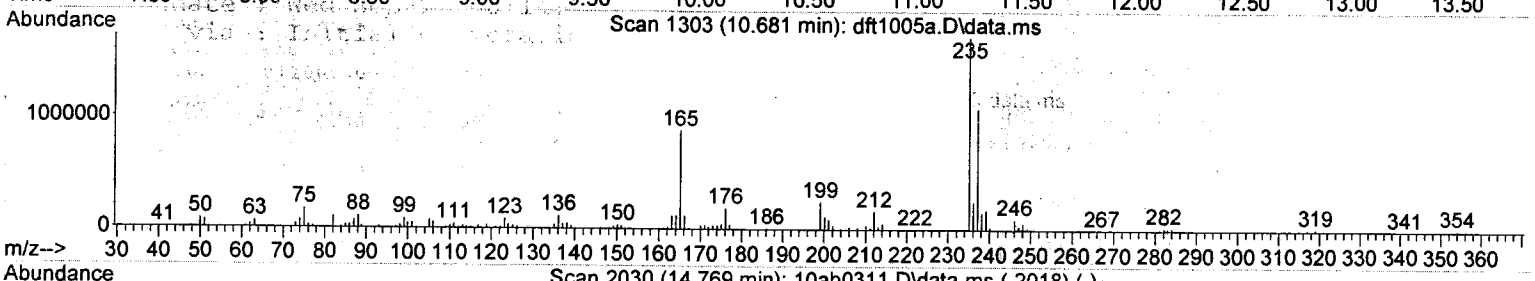
ASC 10/9/14

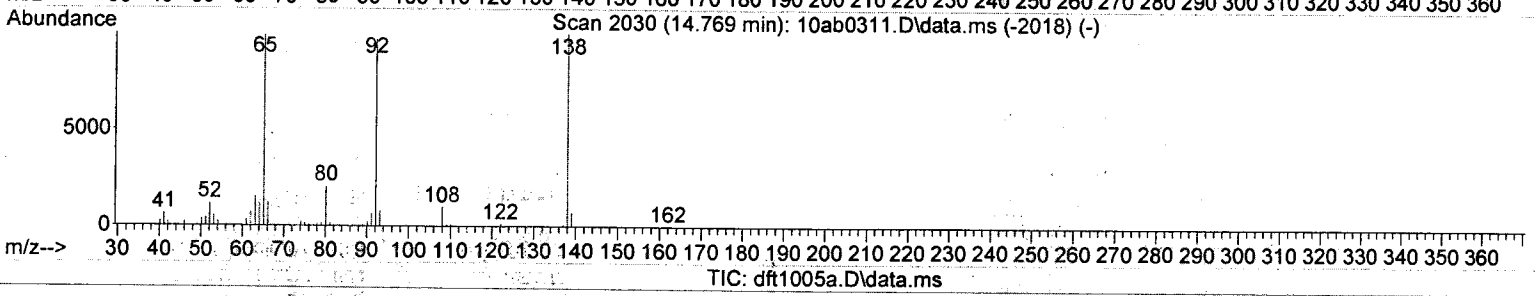
004312

Data Path : C:\msdchem\1\data\100514_339\
Data File : dft1005a.D
Acq On : 5 Oct 2014 11:38
Operator : JLB
Sample : dft1005a Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 06 09:07:58 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration







(3) 4-DDT

10.681min (+ 0.338) 14.76 ng/uL m

response 2047374

Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

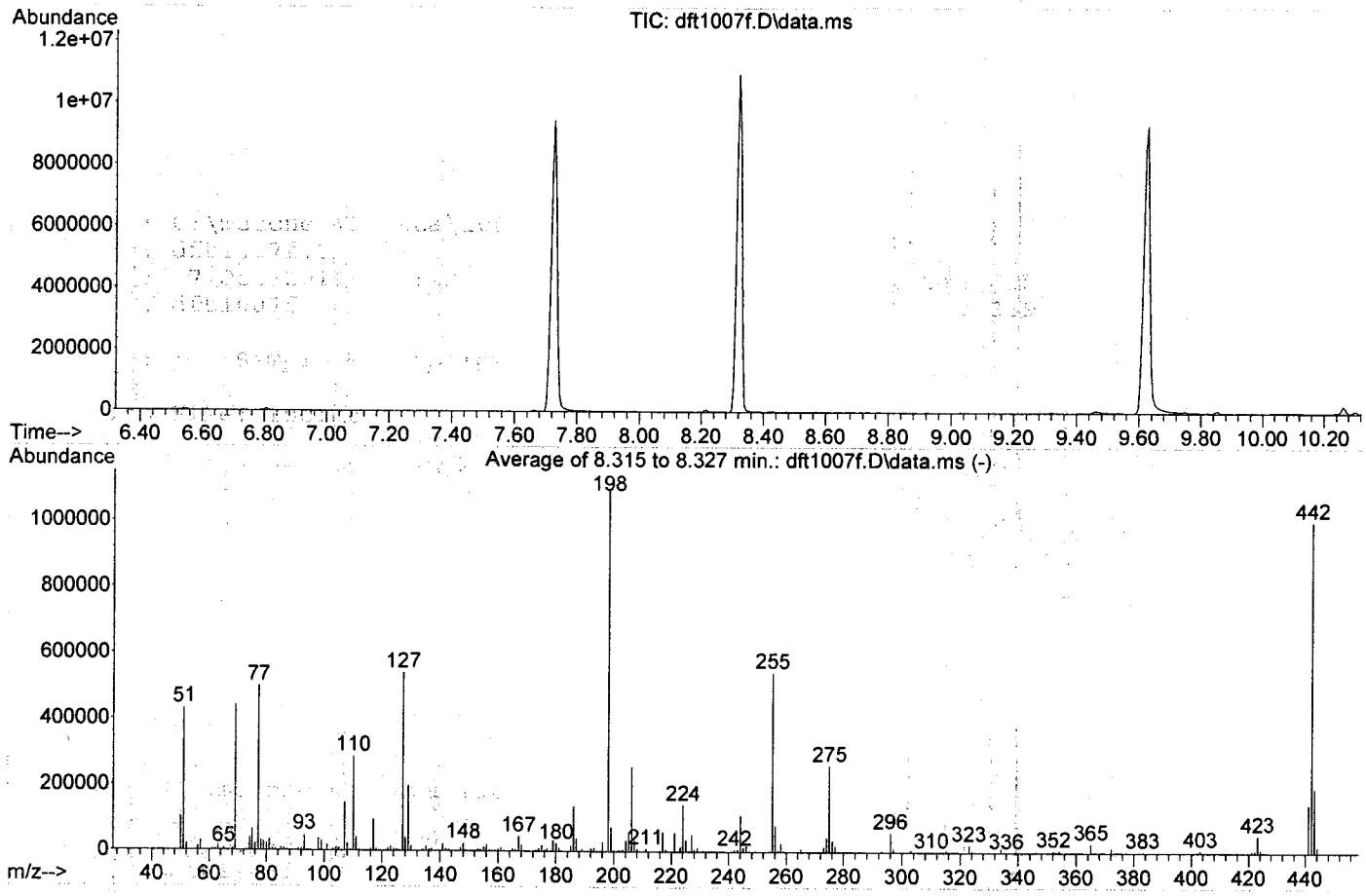
ASC
10/9/14

004313

Data Path : C:\msdchem\1\data\100714_339\
Data File : dft1007f.D
Acq On : 7 Oct 2014 9:22 Operator: JLB
Sample : dft1007f Inst : 339
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\tail&degrad.M
Title : 8270/625 BNA
Last Update : Wed Sep 10 08:14:34 2014



AutoFind: Scans 897, 898, 899; Background Corrected with Scan 888

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.4	431692	PASS
68	69	0.00	2	1.6	6898	PASS
69	198	0.00	100	40.3	442496	PASS
70	69	0.00	2	0.5	2305	PASS
127	198	40	60	49.3	540416	PASS
197	198	0.00	1	0.2	2131	PASS
198	198	100	100	100.0	1097045	PASS
199	198	5	9	6.8	74963	PASS
275	198	10	30	24.0	263147	PASS
365	198	1	100	2.5	27877	PASS
441	443	0.01	100	75.2	147848	PASS
442	198	40	100	91.3	1002069	PASS
443	442	17	23	19.6	196723	PASS

ASC 10/9/14

004314

dft1007f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
40.10	602	56.00	13393	67.05	492	78.10	32829
41.00	580	57.00	31392	68.05	6898	79.00	29283
45.00	807	58.00	1320	69.00	442496	80.00	23525
46.90	132	58.95	334	70.05	2305	81.00	34253
47.90	197	59.95	269	70.80	88	82.05	8738
49.00	2095	61.00	5486	71.05	155	83.00	8160
50.00	105427	62.05	5962	73.05	3063	84.00	673
51.00	431692	63.00	17536	74.05	40515	85.00	11645
52.05	22565	64.05	2403	75.00	66600	86.00	9165
53.05	882	65.05	8679	76.10	22592	87.05	4455
55.00	1802	66.05	654	77.10	498965	88.00	2228

Average of 8.315 to 8.327 min.: dft1007f.D\data.ms
dft1007f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
89.00	751	100.00	2768	111.00	41755	121.05	505
90.00	102	101.00	19273	112.05	4838	122.00	8769
91.00	7330	102.05	1074	113.05	1765	123.00	14555
92.05	7619	103.00	6070	114.10	88	124.05	6429
93.00	48885	104.00	11653	114.35	251	125.05	6151
94.05	3492	105.00	10613	114.95	537	126.10	695
95.00	855	106.05	3641	116.05	7557	127.10	540416
96.05	2423	107.00	148283	117.00	97885	128.05	39949
97.10	807	108.00	23360	118.00	6866	129.00	200000
98.00	37125	109.10	4594	119.05	948	130.00	16815
99.00	31859	110.00	287147	120.05	1902	131.05	3087

Average of 8.315 to 8.327 min.: dft1007f.D\data.ms
dft1007f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
132.00	1905	142.05	8001	151.70	747	162.05	3316
132.80	255	143.00	5681	152.05	1900	163.10	926
132.95	468	144.05	1492	153.05	7676	164.00	1258
134.00	5188	144.90	346	154.05	5996	165.05	8267
135.05	15598	145.05	913	155.10	13487	166.05	7188
136.05	6252	146.00	4008	156.10	20971	167.10	46014
137.10	7844	147.10	11675	157.05	4595	168.10	20635
138.05	1607	148.05	24571	158.00	4231	169.05	4153
139.00	927	149.05	5177	159.10	3143	170.05	1504
140.00	2411	150.05	1410	160.00	7392	171.00	1706
141.00	22875	151.10	3051	161.05	11276	172.05	4127

Average of 8.315 to 8.327 min.: dft1007f.D\data.ms
dft1007f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.00	5079	183.05	945	194.10	2548	206.10	258069
174.05	9360	184.00	2716	195.05	1658	207.10	33225
175.10	19139	185.10	17096	196.10	29107	208.05	8076
176.05	5405	186.10	137803	197.10	2131	209.05	2448
177.00	8212	187.10	39427	198.00	1.09705e+006	210.25	3070
178.05	2948	188.05	3941	199.00	74963	211.10	9582
179.00	34197	189.05	8019	200.05	5674	213.00	620
180.10	24581	190.05	1366	201.60	4992	214.05	248
181.05	11785	191.10	3372	203.05	6416	215.10	2343
182.05	1653	192.05	10911	204.10	34019	216.05	4870
182.70	251	193.10	11602	205.10	60851	217.00	60400

Average of 8.315 to 8.327 min.: dft1007f.D\data.ms
dft1007f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
218.10	7598	231.10	5536	242.10	7152	253.10	2368
219.05	872	232.05	881	243.10	7689	254.15	3980
221.10	58632	233.05	985	244.10	111424	255.10	543659
223.05	15215	234.05	3499	245.10	14697	256.10	80424
224.10	142955	235.05	3775	246.05	19599	257.10	6154
225.10	36027	236.05	2532	247.05	3840	258.10	26731

227.10	52568	238.05	675	249.10	3917	259.90	154
228.05	7289	239.00	2192	250.05	827	260.10	708
229.05	11734	240.05	1937	251.05	864	261.00	1133
230.00	1736	241.05	2984	252.10	1109	263.05	317

Average of 8.315 to 8.327 min.: dft1007f.D\data.ms
dft1007f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
264.00	538	271.05	967	283.05	2044	293.05	4754
265.05	11041	272.10	1418	284.10	1550	294.00	1149
265.90	443	273.05	16203	285.10	3783	295.10	1241
266.00	1194	274.05	44280	285.90	150	296.05	58741
266.85	127	275.10	263147	286.10	453	297.05	8577
267.00	90	276.10	35203	287.10	55	298.05	546
267.20	60	277.10	19617	287.95	262	298.95	131
267.95	201	278.05	3020	289.05	821	301.10	829
268.20	82	278.95	549	290.10	700	302.05	1358
269.20	53	280.10	187	291.00	515	303.10	7810
270.00	600	282.00	446	292.05	947	304.10	2474

Average of 8.315 to 8.327 min.: dft1007f.D\data.ms
dft1007f
Modified:subtracted

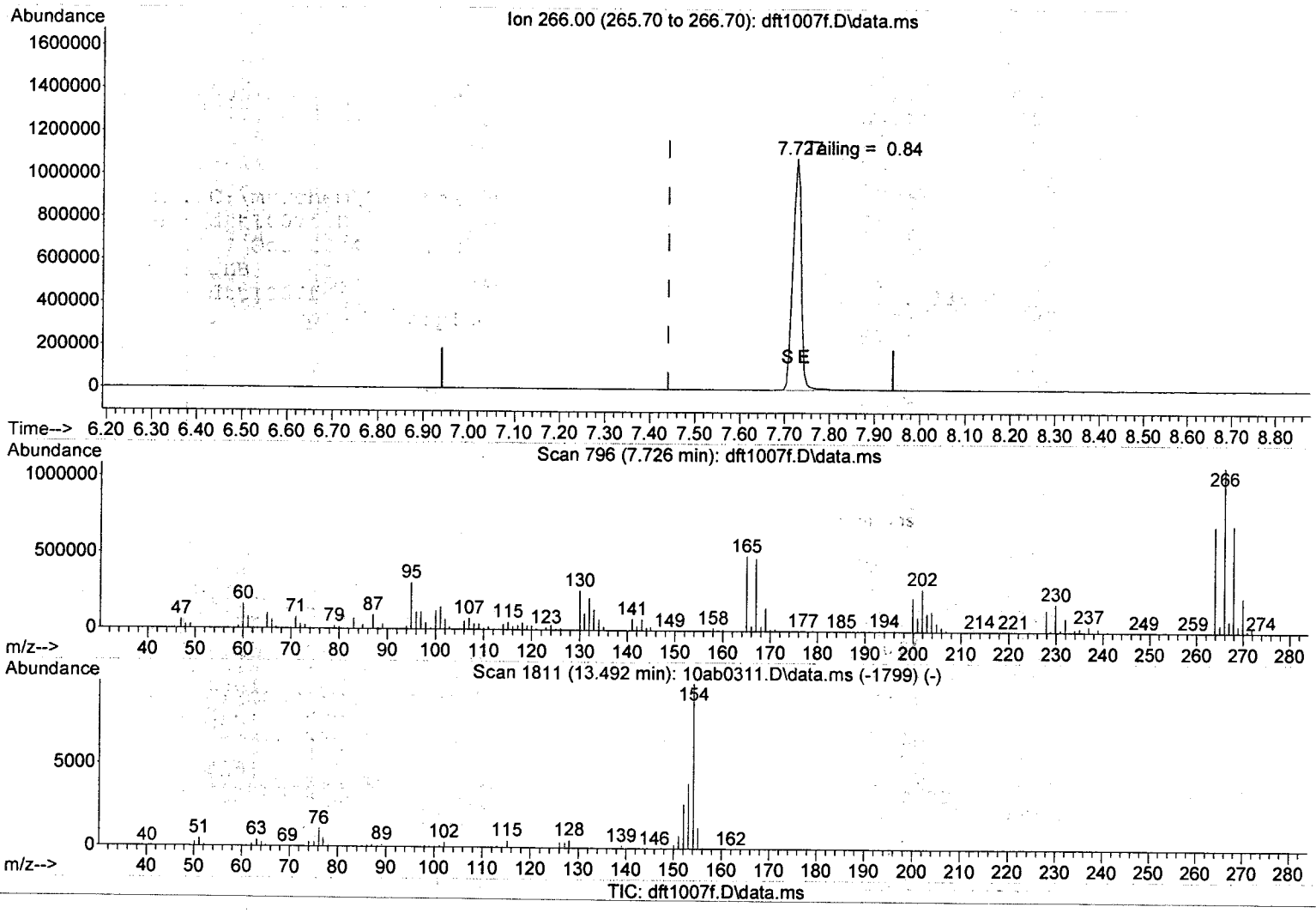
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
305.05	306	317.10	709	329.20	93	347.00	781
308.05	1004	320.00	322	332.05	1488	350.10	172
309.05	597	321.05	2119	333.10	2138	351.00	421
310.05	963	322.05	1039	334.10	14387	352.10	6711
311.00	238	323.10	23003	335.05	3819	353.10	4485
312.05	142	324.10	4478	336.05	472	354.10	8030
312.90	156	325.05	398	339.05	370	355.05	1317
313.05	439	326.00	449	340.05	318	356.10	152
314.10	2984	327.00	3775	341.05	2588	357.80	51
315.10	6606	328.10	2116	342.05	741	358.00	99
316.05	4031	328.95	270	346.05	4509	359.05	472

Average of 8.315 to 8.327 min.: dft1007f.D\data.ms
dft1007f
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
361.05	122	377.00	407	396.80	53	423.10	52997
364.00	155	382.00	61	401.05	816	424.10	10513
365.05	27877	383.10	2940	402.05	4887	425.10	1108
366.05	4291	384.05	891	403.05	7566	429.10	52
367.00	390	385.00	328	404.10	2549	440.20	78
369.90	178	389.00	54	405.15	414	441.10	147848
370.10	497	390.10	1789	410.05	175	442.10	1.00207e+006
371.05	1776	391.10	1295	414.80	58	443.10	196723
372.10	13074	392.10	1114	415.05	239	444.10	18066
373.10	3203	392.90	80	421.10	7386	445.10	1182
374.05	338	395.00	50	422.10	6811		

Data Path : C:\msdchem\1\data\100714_339\
Data File : dft1007f.D
Acq On : 7 Oct 2014 9:22
Operator : JLB
Sample : dft1007f Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 11:38:42 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



(1) Pentachlorophenol

7.726min (+ 0.285) 3.75 ng/uL

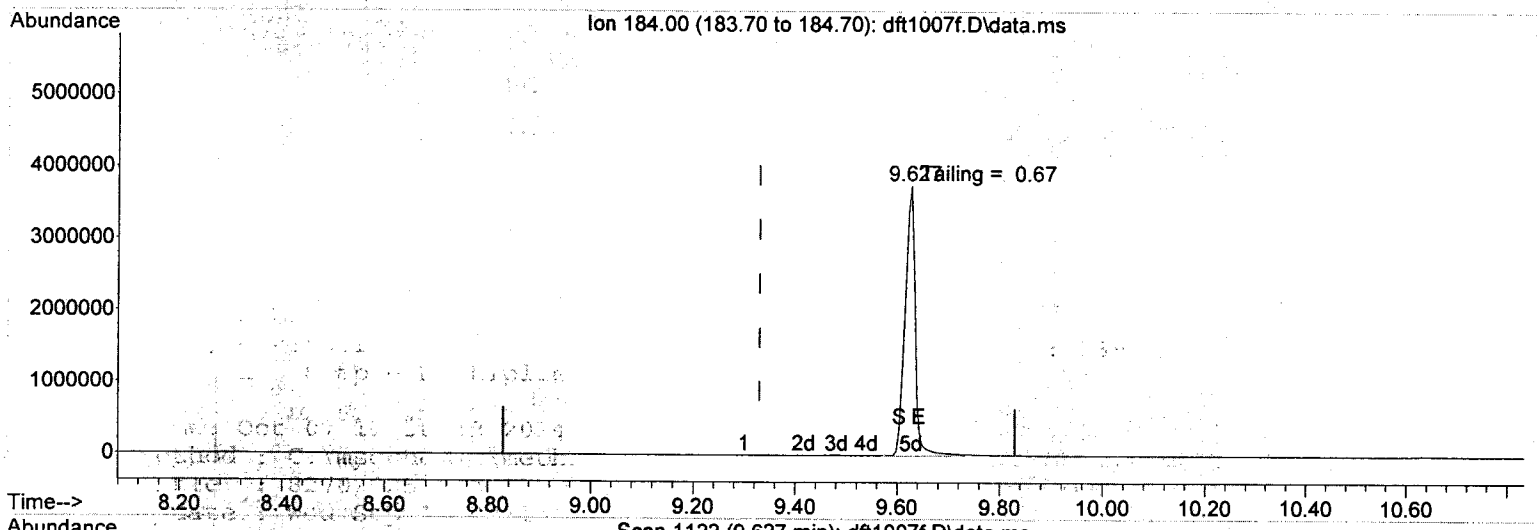
response 1431183

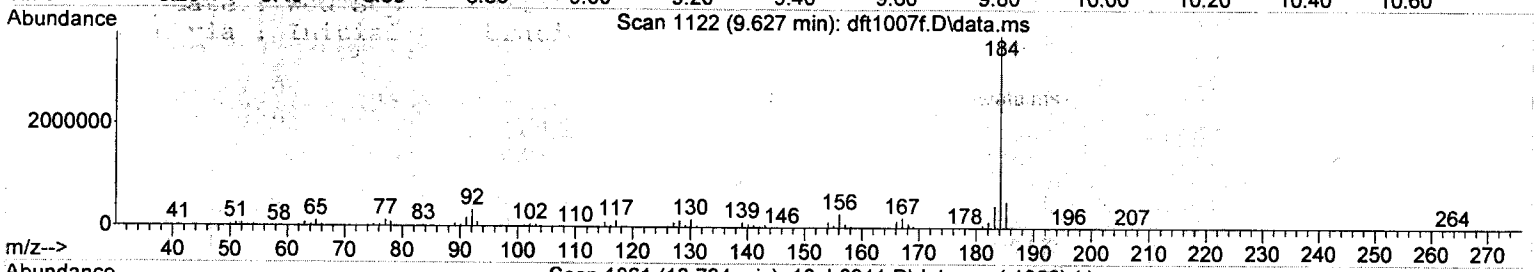
Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

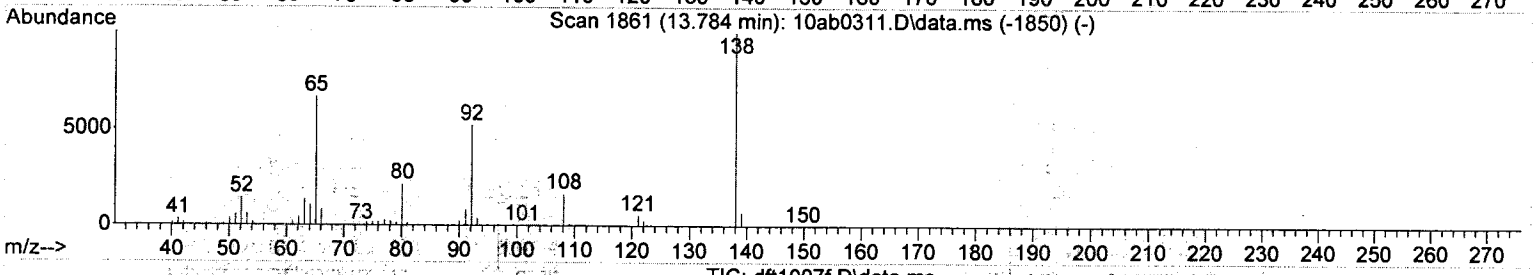
ASC 10/9/14

Data Path : C:\msdchem\1\data\100714_339\
Data File : dft1007f.D
Acq On : 7 Oct 2014 9:22
Operator : JLB
Sample : dft1007f Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 11:38:42 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration







(2) Benzidine

9.627min (+ 0.297) 35.62 ng/uL m

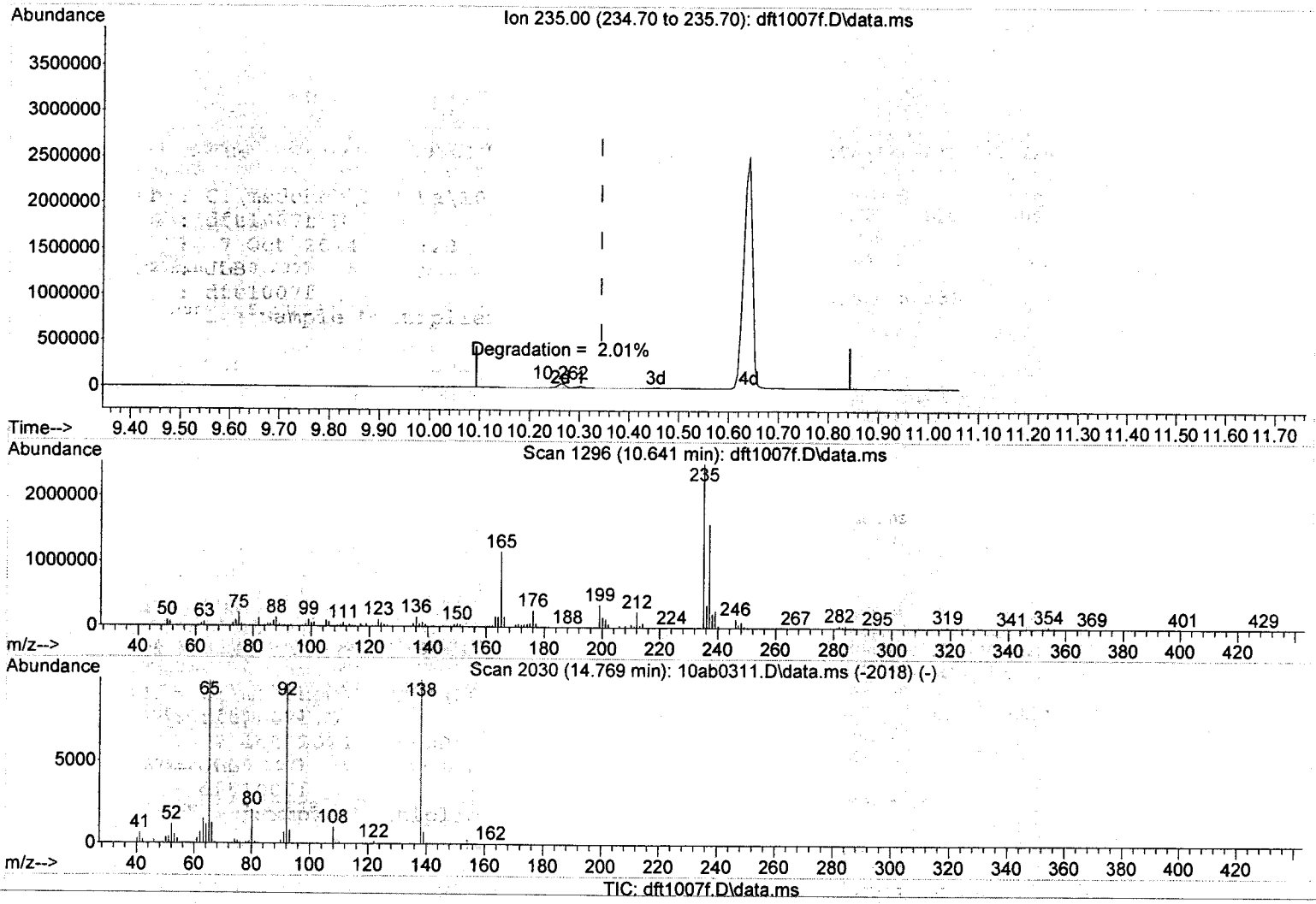
response 5313628

Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ASC
10/9/14

Data Path : C:\msdchem\1\data\100714_339\
Data File : dft1007f.D
Acq On : 7 Oct 2014 9:22
Operator : JLB
Sample : dft1007f Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 11:38:42 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1007f.D\data.ms

(3) 4-DDT

10.641min (+ 0.297) 23.01 ng/uL m

response 3071029

Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

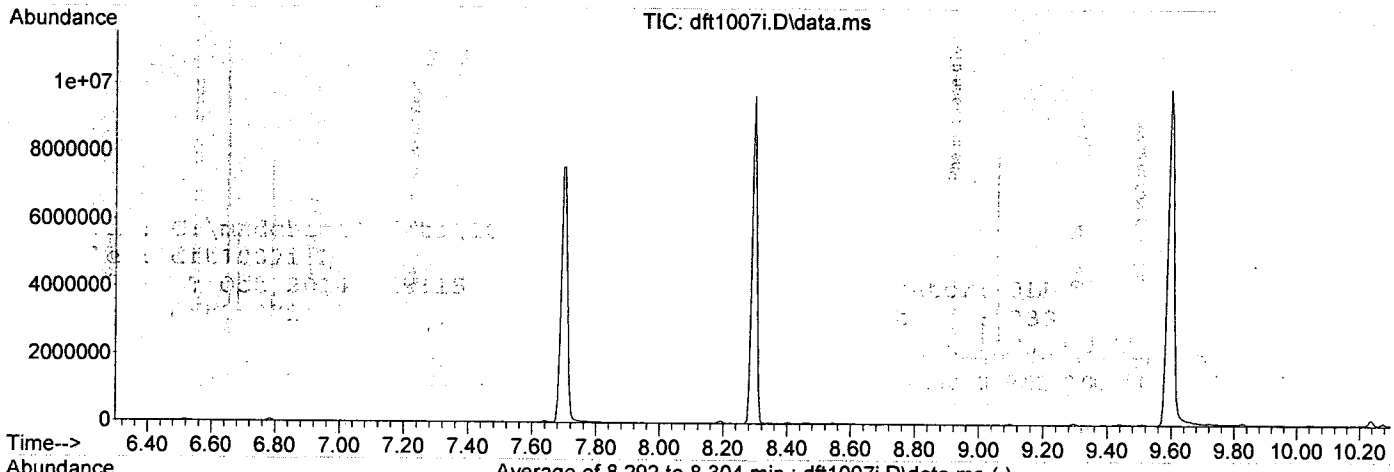
ASC 10/9/14

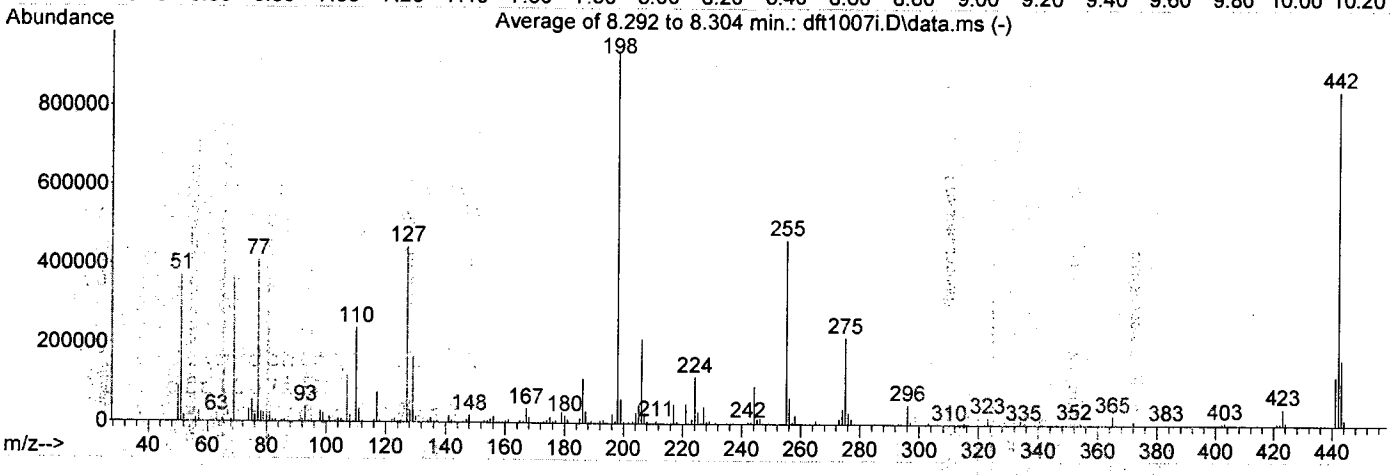
004319

Data Path : C:\msdchem\1\data\100714a_339\
Data File : dft1007i.D
Acq On : 7 Oct 2014 15:15 Operator: JLB
Sample : dft1007i Inst : 339
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\tail&degrad.M
Title : 8270/625 BNA
Last Update : Wed Sep 10 08:14:34 2014





AutoFind: Scans 893, 894, 895; Background Corrected with Scan 884

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.6	371631	PASS
68	69	0.00	2	1.5	5439	PASS
69	198	0.00	100	38.6	362636	PASS
70	69	0.00	2	0.5	1778	PASS
127	198	40	60	47.2	443435	PASS
197	198	0.00	1	0.7	6231	PASS
198	198	100	100	100.0	939285	PASS
199	198	5	9	6.7	62696	PASS
275	198	10	30	23.4	219648	PASS
365	198	1	100	2.5	23539	PASS
441	443	0.01	100	74.3	124584	PASS
442	198	40	100	90.1	846208	PASS
443	442	17	23	19.8	167763	PASS

ASC 10/9/14

004320

Average of 8.292 to 8.304 min.: dft1007i.D\data.ms
dft1007i
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
41.00	664	56.00	10973	66.90	22	77.10	409259
42.10	92	57.00	26521	67.10	187	78.05	26829
43.00	79	58.00	1141	68.00	5439	79.00	23527
45.00	735	58.95	305	69.00	362636	80.00	18974
48.00	42	60.00	300	70.00	1778	81.00	27869
49.00	1212	61.00	4454	71.05	283	82.00	6782
50.00	90024	62.00	4906	72.00	189	83.00	6881
51.00	371631	63.00	14610	73.00	2459	84.00	409
52.00	19098	64.00	1989	74.00	32611	85.00	5106
53.05	831	65.05	7495	75.00	56272	85.95	6969
55.00	1535	65.95	557	76.05	18486	87.00	3494

Average of 8.292 to 8.304 min.: dft1007i.D\data.ms
dft1007i
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	1823	99.00	24250	110.00	240213	121.05	550
89.00	771	100.00	2429	111.00	34083	122.10	7271
89.90	64	101.00	16123	112.05	4050	123.00	11271
91.00	5803	102.00	840	112.95	1161	124.05	5197
92.00	6814	103.00	4994	114.00	314	125.00	5195
93.00	39611	104.00	9602	114.95	532	126.15	1817
94.05	2920	105.00	8911	116.00	6181	127.10	443435
95.00	585	106.00	2894	117.00	76629	128.10	31491
96.05	2198	107.00	119349	118.00	5560	129.00	165563
97.00	848	108.00	19231	119.00	831	130.00	13805
98.00	29275	109.05	3448	120.00	1604	131.00	2817

Average of 8.292 to 8.304 min.: dft1007i.D\data.ms
dft1007i
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
132.00	1383	141.00	18306	151.70	659	162.00	2416
132.80	321	142.00	6495	151.85	1100	163.00	764
133.00	358	143.00	4518	153.00	6107	164.05	1271
134.00	4732	144.10	1301	154.00	4952	164.95	6715
135.05	12599	145.05	1245	155.05	11098	166.10	5870
136.10	4834	146.05	3364	156.10	17425	167.05	37371
137.10	6044	147.10	9428	157.10	3560	168.05	16344
138.10	1633	148.00	19313	158.00	3487	169.10	2884
138.80	193	149.00	4025	159.05	2901	170.10	1276
139.05	705	150.00	1200	160.10	6033	171.00	1661
140.10	1649	151.15	2391	161.10	9256	172.00	3469

Average of 8.292 to 8.304 min.: dft1007i.D\data.ms
dft1007i
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.05	4419	184.00	2309	195.05	1559	207.10	27654
174.05	7088	185.10	14185	196.10	25011	208.05	6577
175.10	15574	186.10	114003	197.10	6231	209.00	1776
176.10	5127	187.10	31768	198.00	939285	210.20	1740
177.00	7092	188.05	3094	199.00	62696	211.10	7586
178.05	2177	189.00	6218	200.05	5043	212.10	457
179.00	29067	190.00	1146	201.60	4141	213.05	643
180.05	19619	191.05	2946	203.05	5735	214.10	272
181.05	9732	192.00	8568	204.10	27979	215.00	2065
182.10	1488	193.10	9586	205.10	48616	216.10	4106
182.90	724	194.10	2119	206.10	214016	217.00	50213

Average of 8.292 to 8.304 min.: dft1007i.D\data.ms
dft1007i
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
218.05	6775	231.10	4713	241.00	2504	252.00	645
219.10	732	232.00	741	242.10	5954	252.20	173
221.05	51257	232.90	267	243.10	5940	253.05	1793
223.10	12588	233.05	487	244.10	95515	254.05	3238
224.10	118752	234.05	2633	245.10	12924	255.10	464917
225.10	30756	235.05	3590	246.05	15835	256.10	66608

004321

227.05	43104	237.05	3483	248.00	764	258.05	22840
228.00	6260	238.10	717	249.05	3237	259.05	3609
229.00	9264	239.05	1765	250.05	738	260.00	818
230.00	1250	240.00	1349	251.00	799	261.00	916

Average of 8.292 to 8.304 min.: dft1007i.D\data.ms
dft1007i
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
262.95	298	274.10	38421	286.05	552	298.05	458
263.95	506	275.10	219648	287.95	165	301.05	906
265.05	9090	276.10	29555	289.00	585	302.05	905
265.90	1226	277.05	14938	290.05	500	303.10	6401
267.05	130	278.05	2697	291.05	434	304.05	1759
267.85	35	278.95	550	292.10	722	305.00	251
269.00	52	281.10	67	293.05	3775	307.10	52
269.90	487	282.05	414	294.00	920	308.05	822
271.05	898	283.05	1921	295.10	1030	309.05	516
272.05	1123	284.05	1177	296.10	49859	310.05	885
273.05	13661	285.10	2761	297.05	7294	311.20	136

Average of 8.292 to 8.304 min.: dft1007i.D\data.ms
dft1007i
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
312.00	254	324.10	3469	335.10	3253	351.00	336
312.95	451	325.00	267	336.05	415	352.10	5700
314.05	2842	325.20	118	338.90	98	353.10	4284
315.05	5860	325.80	106	339.10	158	354.10	6194
316.10	3422	326.00	416	339.90	167	355.05	1253
317.10	553	327.00	3071	340.10	121	359.00	457
320.00	63	328.05	1844	341.05	2130	360.20	53
320.20	186	329.05	344	342.15	609	360.90	90
321.05	1270	332.05	1507	346.05	3637	361.20	55
322.10	1097	333.10	1591	347.00	807	364.05	140
323.10	19829	334.10	12019	350.00	191	365.00	23539

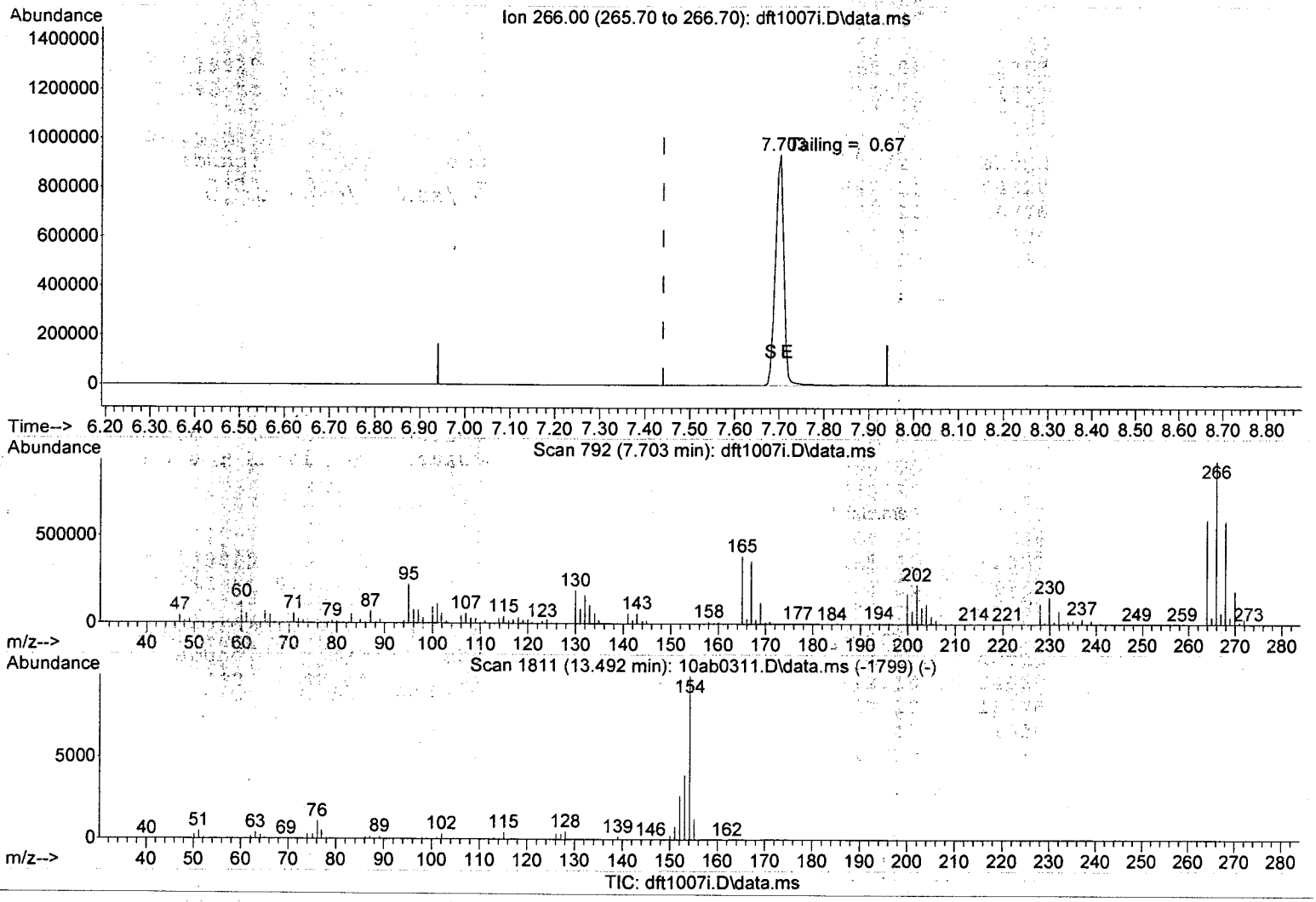
Average of 8.292 to 8.304 min.: dft1007i.D\data.ms
dft1007i
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
366.05	3423	386.00	60	405.05	323	442.10	846208
367.00	330	390.05	1428	410.15	132	443.10	167763
370.05	585	391.00	1062	414.95	292	444.10	15268
371.10	1654	392.05	727	419.90	53	445.10	843
372.10	10123	393.05	130	421.10	5791		
373.05	2851	397.20	74	422.10	5680		
374.05	372	400.90	168	423.10	44115		
376.90	247	401.05	518	424.10	8781		
383.05	2744	402.10	4590	425.05	862		
384.05	887	403.10	6696	429.20	60		
384.95	302	404.10	2323	441.10	124584		

004322

Data Path : C:\msdchem\1\data\100714a_339\
Data File : dft1007i.D
Acq On : 7 Oct 2014 15:15
Operator : JLB
Sample : dft1007i Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:59:38 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1007i.D\data.ms

(1) Pentachlorophenol

7.703min (+ 0.262) 3.26 ng/uL

response 1244000

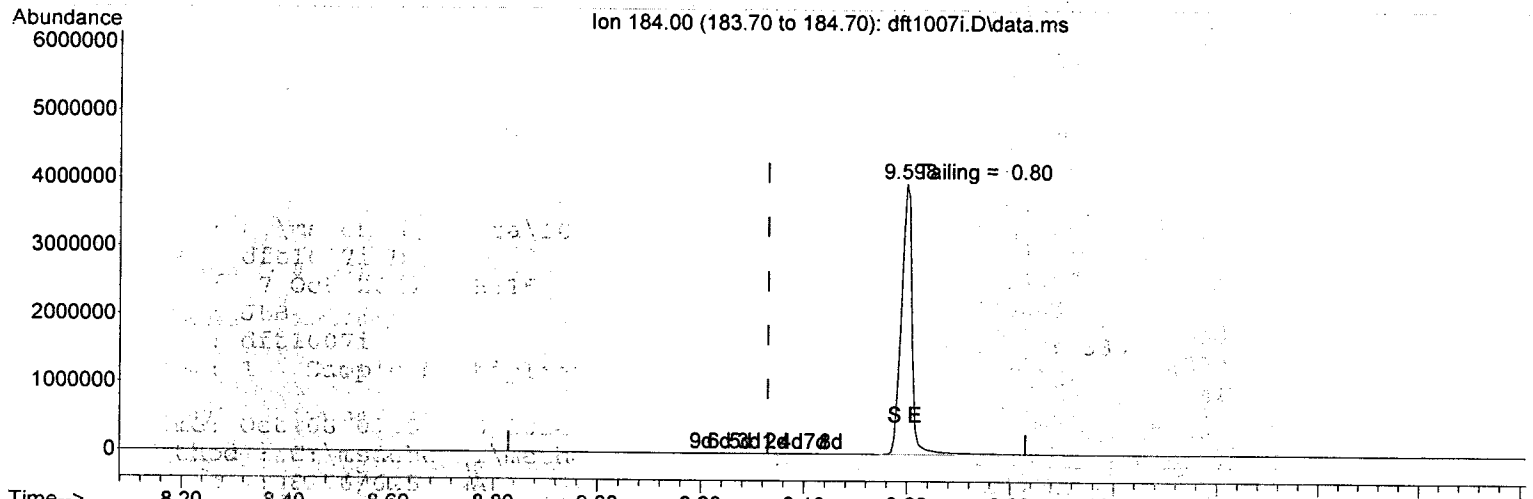
Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

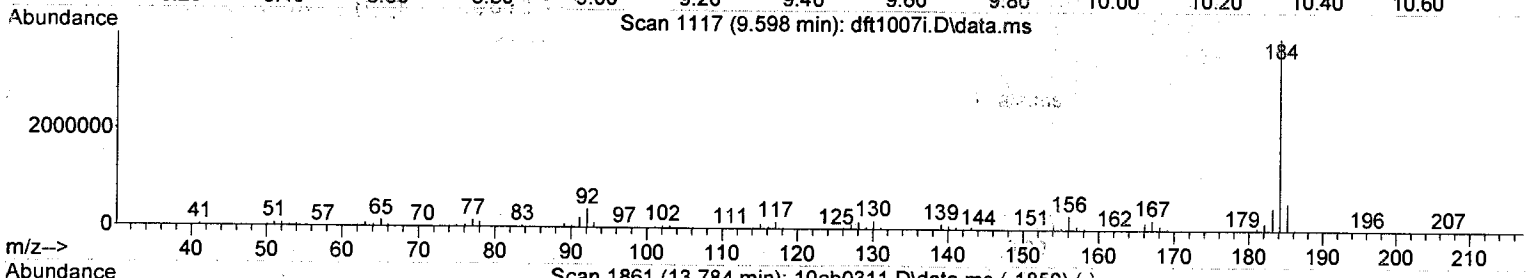
ASC
10/9/14

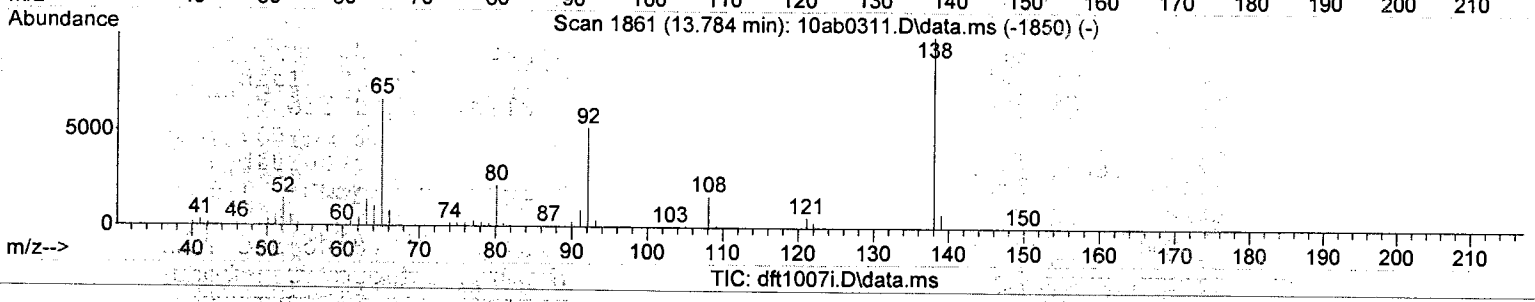
004323

Data Path : C:\msdchem\1\data\100714a_339\
Data File : dft1007i.D
Acq On : 7 Oct 2014 15:15
Operator : JLB
Sample : dft1007i Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:59:38 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration







TIC: dft1007i.D\data.ms

(2) Benzidine

9.598min (+ 0.268) 39.51 ng/uL m

response 5806935

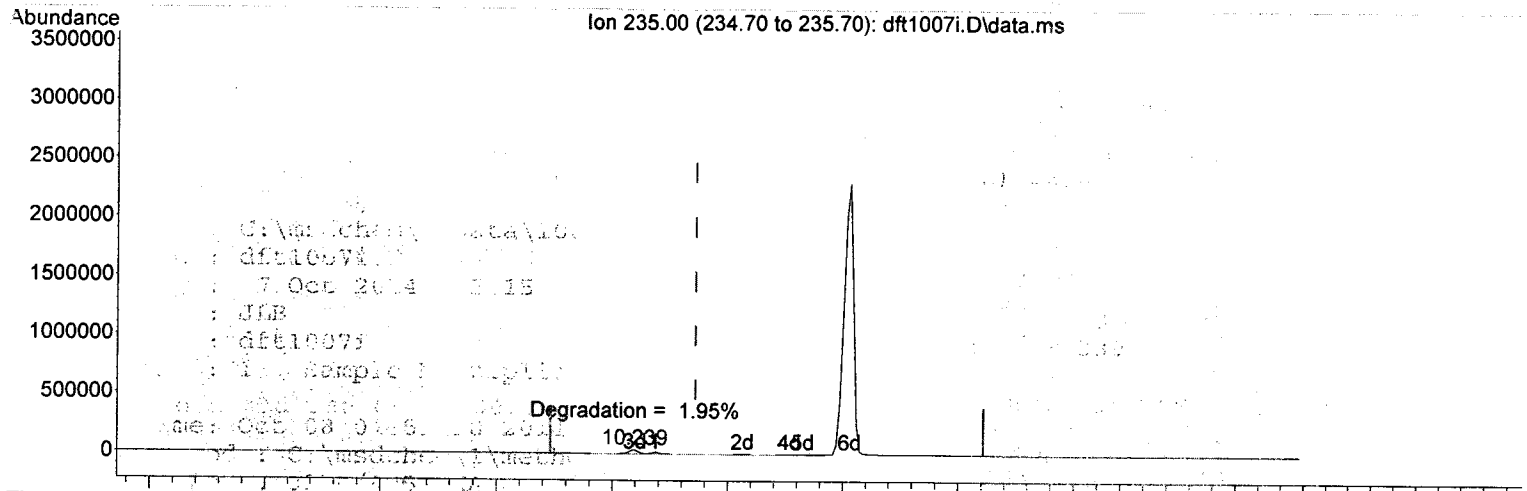
Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

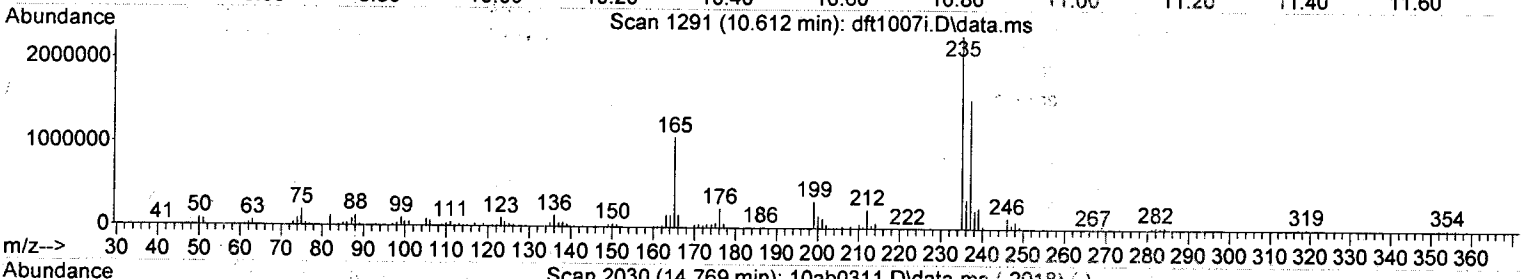
ASC
10/9/14

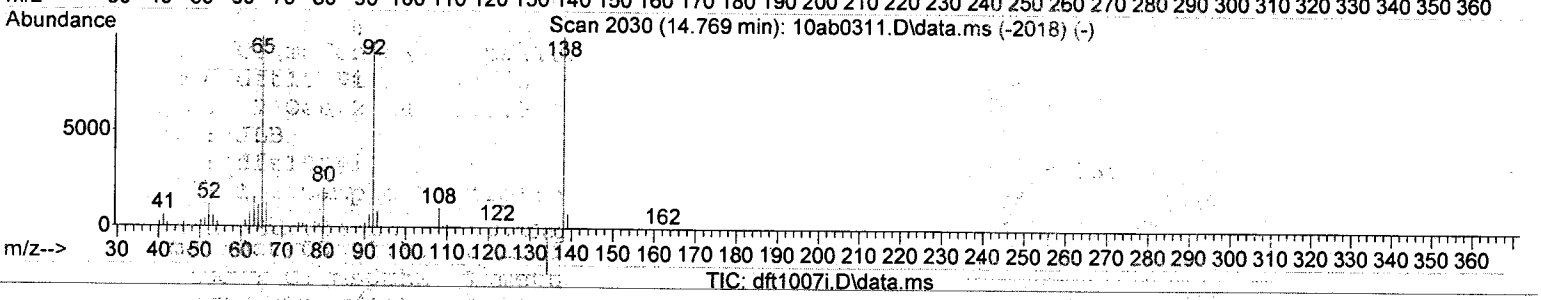
004324

Data Path : C:\msdchem\1\data\100714a_339\
Data File : dft1007i.D
Acq On : 7 Oct 2014 15:15
Operator : JLB
Sample : dft1007i Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:59:38 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration







TIC: dft1007i.D\data.ms

(3) 4-DDT

10.612min (+ 0.268) 20.12 ng/uL m

response 2713017

Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ASC
10/9/14

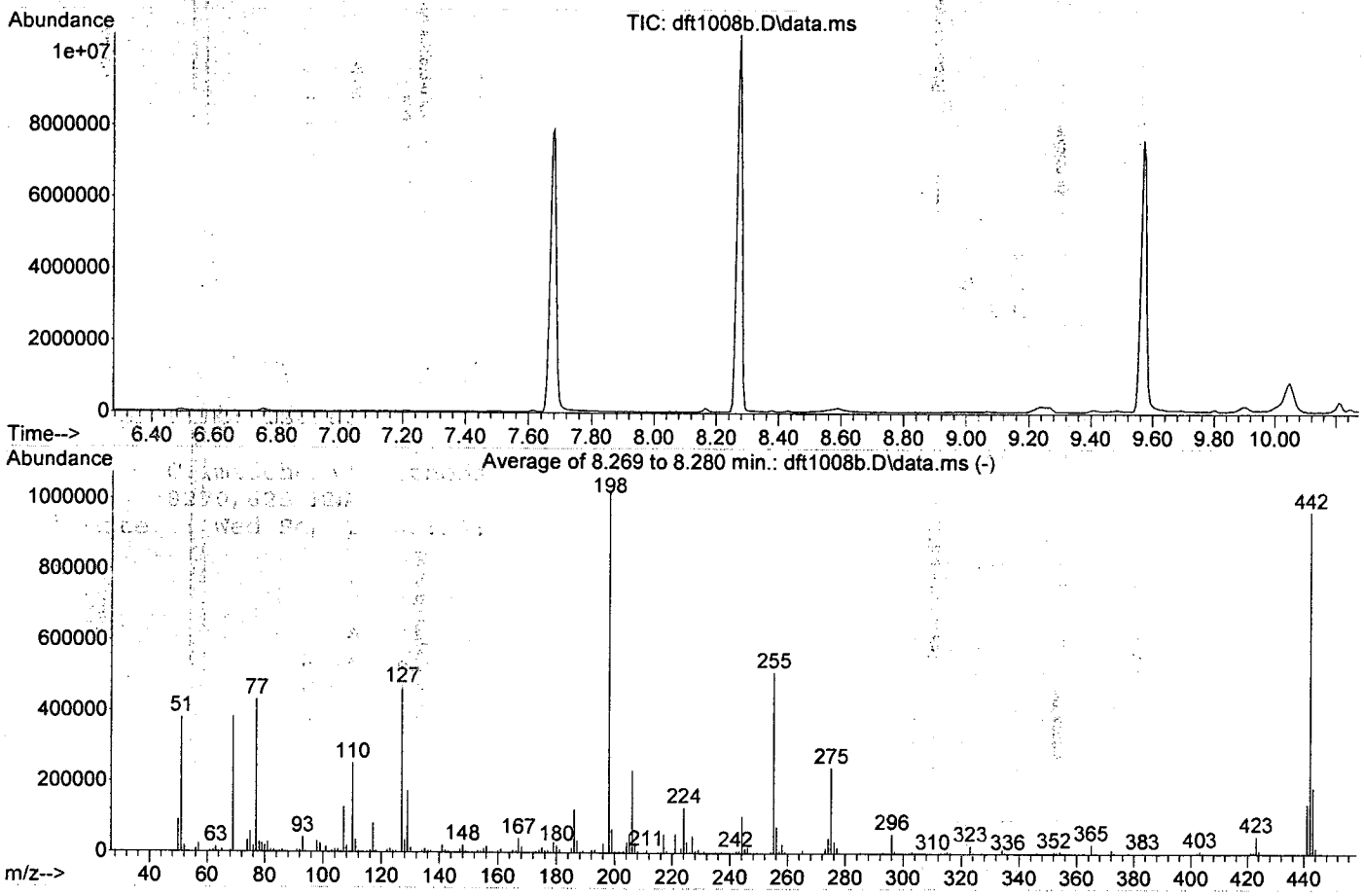
004325

DFTPP

Data Path : C:\msdchem\1\data\100814_339\
Data File : dft1008b.D
Acq On : 8 Oct 2014 8:01 Operator: JLB
Sample : dft1008b Inst : 339
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\tail&degrad.M
Title : 8270/625 BNA
Last Update : Wed Sep 10 08:14:34 2014



AutoFind: Scans 889, 890, 891; Background Corrected with Scan 878

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.3	381285	PASS
68	69	0.00	2	1.5	5790	PASS
69	198	0.00	100	37.6	383782	PASS
70	69	0.00	2	0.4	1665	PASS
127	198	40	60	45.7	466985	PASS
197	198	0.00	1	0.3	3109	PASS
198	198	100	100	100.0	1021824	PASS
199	198	5	9	6.6	67125	PASS
275	198	10	30	23.8	242688	PASS
365	198	1	100	2.6	26432	PASS
441	443	0.01	100	75.3	140627	PASS
442	198	40	100	94.5	965440	PASS
443	442	17	23	19.3	186709	PASS

DWS 10-15-14

004326

Average of 8.269 to 8.280 min.: dft1008b.D\data.ms
dft1008b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
40.10	690	57.00	25596	66.95	35	78.10	28473
41.05	147	58.00	517	68.10	5790	79.00	25349
44.95	495	59.10	405	69.00	383782	80.00	19974
48.00	221	59.85	39	70.00	1665	81.00	29244
49.00	1695	60.10	130	71.05	340	82.00	7064
49.95	92870	61.00	4628	72.00	155	83.00	6724
50.95	381285	62.00	5281	73.05	1726	84.00	311
52.10	18797	63.00	14836	74.00	34208	85.00	4205
53.00	683	64.00	2309	75.00	58731	85.95	7042
55.00	866	65.10	7641	76.10	19867	87.00	3365
56.00	10622	65.95	558	77.05	432753	88.05	1444

Average of 8.269 to 8.280 min.: dft1008b.D\data.ms
dft1008b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
89.05	534	100.00	2094	111.00	36086	121.10	380
90.05	143	101.00	16483	112.00	4368	122.00	7816
90.95	5920	102.05	1024	113.00	1229	123.05	11762
92.00	6806	103.00	5775	114.00	429	124.00	5294
93.00	42610	104.00	10248	114.60	105	125.00	5245
94.05	3039	105.00	9645	115.00	253	126.10	160
95.00	709	106.10	3362	116.00	6503	127.05	466985
96.05	2015	107.00	128938	117.00	81741	128.05	35627
97.20	523	108.00	19855	118.00	5736	129.00	174430
98.00	32166	109.10	3702	119.00	744	130.05	14549
99.00	25596	110.00	253221	120.10	1730	131.00	2315

Average of 8.269 to 8.280 min.: dft1008b.D\data.ms
dft1008b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
132.00	1619	142.05	6970	152.05	674	163.05	802
133.05	365	143.00	4550	153.05	6604	164.10	1326
134.00	5025	144.05	1439	154.05	5381	165.05	7643
135.00	12044	145.05	1121	155.10	12254	166.10	6410
136.05	5193	146.05	3429	156.10	18591	167.05	40659
137.05	6639	147.05	10041	157.10	3843	168.10	17795
137.90	686	148.00	21089	158.05	3948	169.05	3015
138.10	669	149.00	4820	159.00	2835	170.10	1262
139.00	734	150.05	1189	160.00	6327	171.00	1513
140.05	2181	151.15	2800	161.00	9947	172.00	3465
141.00	20534	151.70	831	162.05	2982	173.10	4609

Average of 8.269 to 8.280 min.: dft1008b.D\data.ms
dft1008b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.10	8498	184.05	2178	195.10	1613	207.10	29077
175.10	16395	185.10	14568	196.10	26691	208.10	6458
176.10	5850	186.10	123307	197.05	3109	209.00	2025
177.00	7914	187.10	34496	198.00	1.02182e+006	210.00	727
178.00	2730	188.10	3573	199.00	67125	210.25	2812
179.00	30757	189.00	6722	200.05	4836	211.10	8110
180.10	21157	190.00	1141	201.50	4989	213.10	577
181.05	10484	191.10	3121	203.05	5384	213.85	189
182.05	1707	192.10	9374	204.10	31085	214.10	77
182.80	359	193.10	10748	205.10	53899	215.00	2329
183.00	428	194.05	2410	206.10	233728	216.10	4541

Average of 8.269 to 8.280 min.: dft1008b.D\data.ms
dft1008b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
217.00	54541	230.00	1426	241.10	2763	252.05	984
218.05	6868	231.10	5001	242.05	6604	253.05	1998
219.05	764	232.10	790	243.10	6910	254.15	3821
221.10	55699	233.05	1120	244.10	104632	255.10	512875
223.05	13683	234.00	2993	245.10	13708	256.10	74779
224.10	128693	235.00	3774	246.05	17180	257.05	5911

004327

225.10	32605	236.00	2368	247.00	3592	258.05	25472
226.05	3294	237.05	4146	248.05	909	259.05	4508
227.00	48632	238.00	595	249.00	3842	260.05	805
228.05	6363	239.05	2045	250.00	870	261.05	947
229.05	10362	240.00	1405	251.00	815	261.95	214

Average of 8.269 to 8.280 min.: dft1008b.D\data.ms
dft1008b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
263.00	352	272.05	1344	283.05	2158	294.05	1028
264.05	722	273.10	15052	284.05	1325	295.05	1333
265.10	10095	274.10	42520	285.05	3509	296.10	55445
266.05	1485	275.10	242688	286.05	548	297.05	7464
267.00	178	276.10	32896	287.00	66	298.00	429
267.75	207	277.10	16743	287.95	128	299.05	160
268.10	91	278.05	2733	288.95	645	301.05	703
268.95	133	279.05	632	290.00	593	302.00	1157
270.05	620	280.90	54	291.05	525	303.10	7032
271.00	298	281.30	51	292.05	1033	304.10	1927
271.15	554	282.05	456	293.05	4480	305.05	269

Average of 8.269 to 8.280 min.: dft1008b.D\data.ms
dft1008b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
308.05	842	320.05	316	332.05	1480	348.00	105
309.05	644	321.05	1760	333.05	2058	349.90	53
310.05	819	322.10	976	334.10	12728	350.10	90
310.95	202	323.10	22456	335.10	3454	351.00	369
311.95	249	324.10	3833	336.15	510	352.10	6014
313.10	569	325.05	357	338.95	345	353.05	4645
314.05	2987	326.05	374	339.95	230	354.10	7051
315.05	6257	327.00	3540	341.05	2412	355.05	1284
316.10	4037	328.05	2018	342.05	660	357.10	83
317.00	675	329.00	245	346.05	4573	358.10	60
319.00	111	329.20	97	347.00	807	358.90	130

Average of 8.269 to 8.280 min.: dft1008b.D\data.ms
dft1008b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
359.05	363	374.10	432	395.10	51	420.10	55
360.95	151	377.00	302	397.00	115	421.10	6694
363.10	55	377.95	116	401.05	836	422.10	6317
363.95	197	383.05	3075	402.05	4922	423.10	50053
365.00	26432	384.00	880	403.10	7665	424.10	9703
366.05	3773	384.85	152	404.05	2502	425.05	947
367.00	327	385.05	130	405.00	305	440.10	164
370.05	639	390.10	1544	409.90	54	441.10	140627
371.10	1710	391.05	1173	410.10	137	442.10	965440
372.10	11866	392.05	842	414.80	81	443.10	186709
373.10	3189	393.10	78	415.00	244	444.10	17256

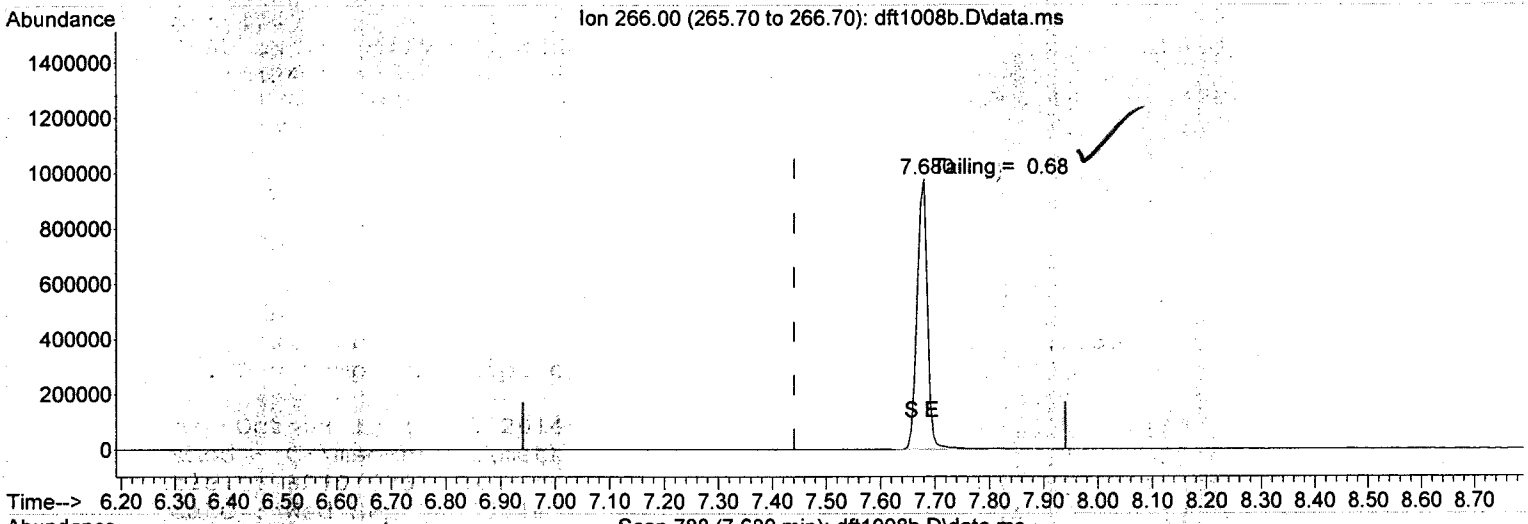
Average of 8.269 to 8.280 min.: dft1008b.D\data.ms
dft1008b
Modified:subtracted

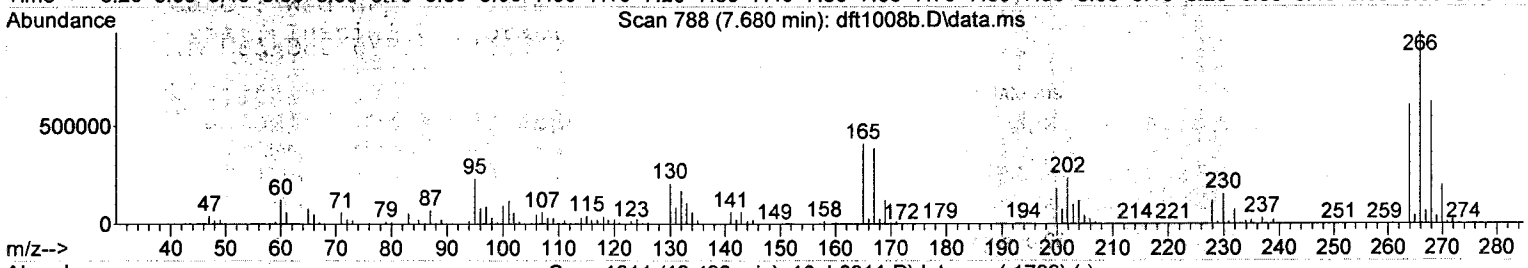
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
445.10	1124						

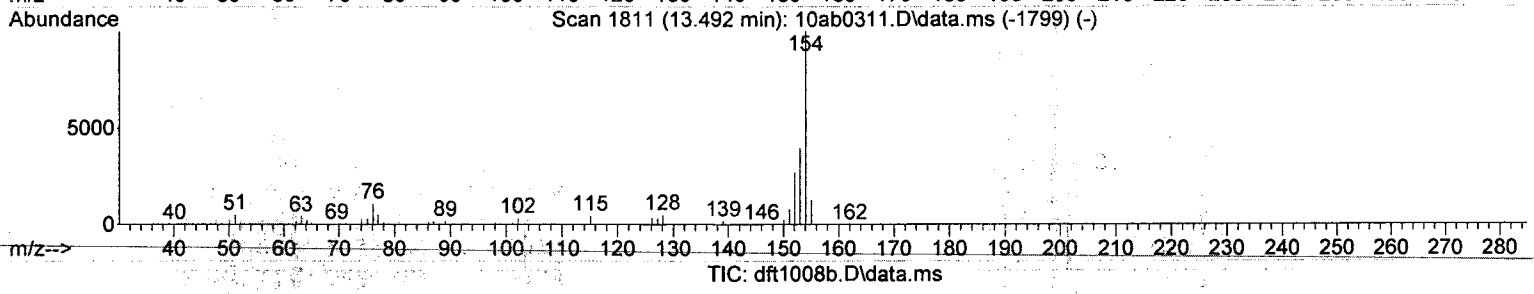
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : dft1008b.D
Acq On : 8 Oct 2014 8:01
Operator : JLB
Sample : dft1008b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 15:13:12 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration







TIC: dft1008b.D\data.ms

(1) Pentachlorophenol

7.680min (+ 0.239) 3.38 ng/uL

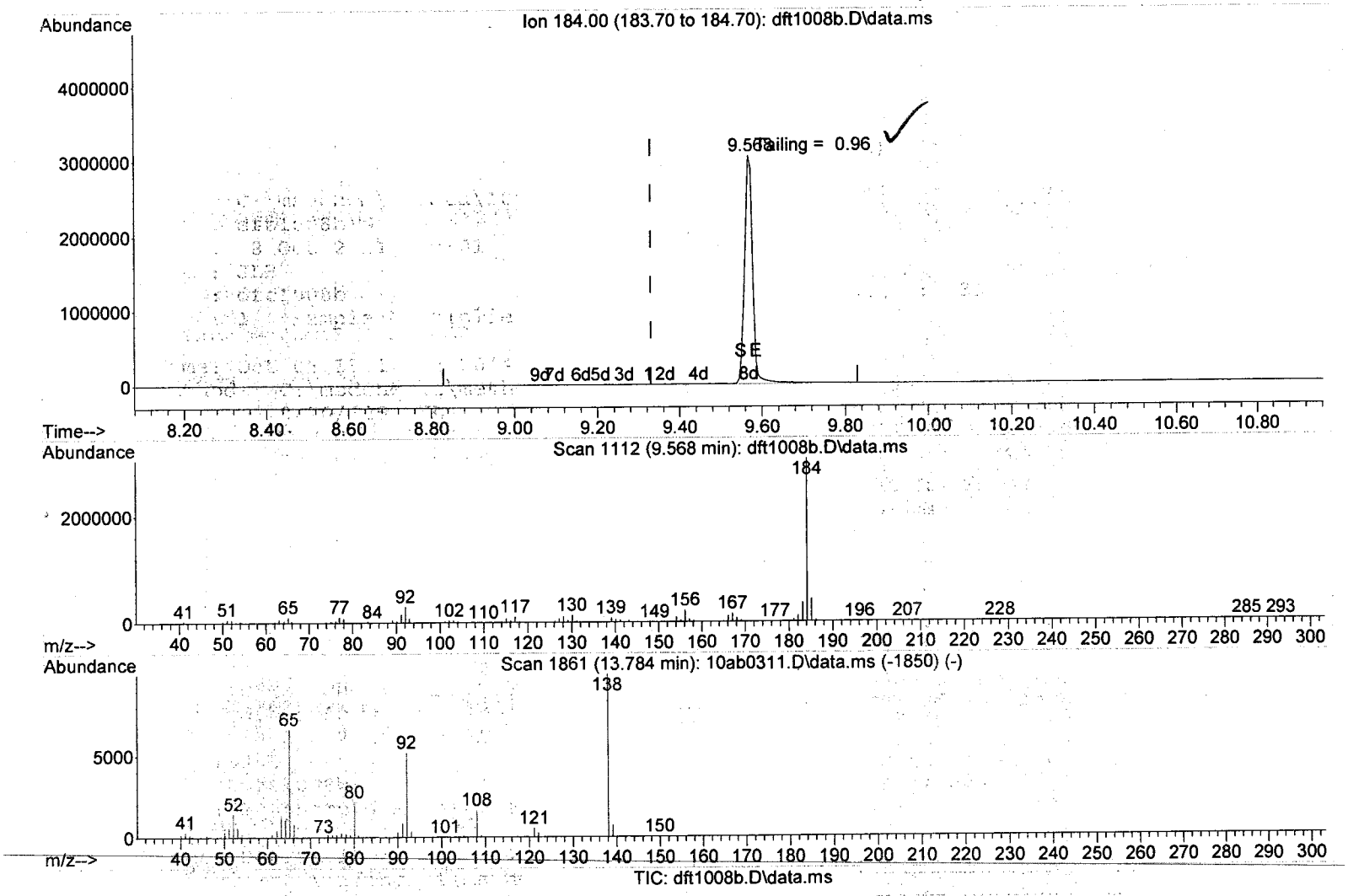
response 1287794

Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : dft1008b.D
Acq On : 8 Oct 2014 8:01
Operator : JLB
Sample : dft1008b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 15:13:12 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



(2) Benzidine

9.568min (+ 0.239) 26.31 ng/uL m

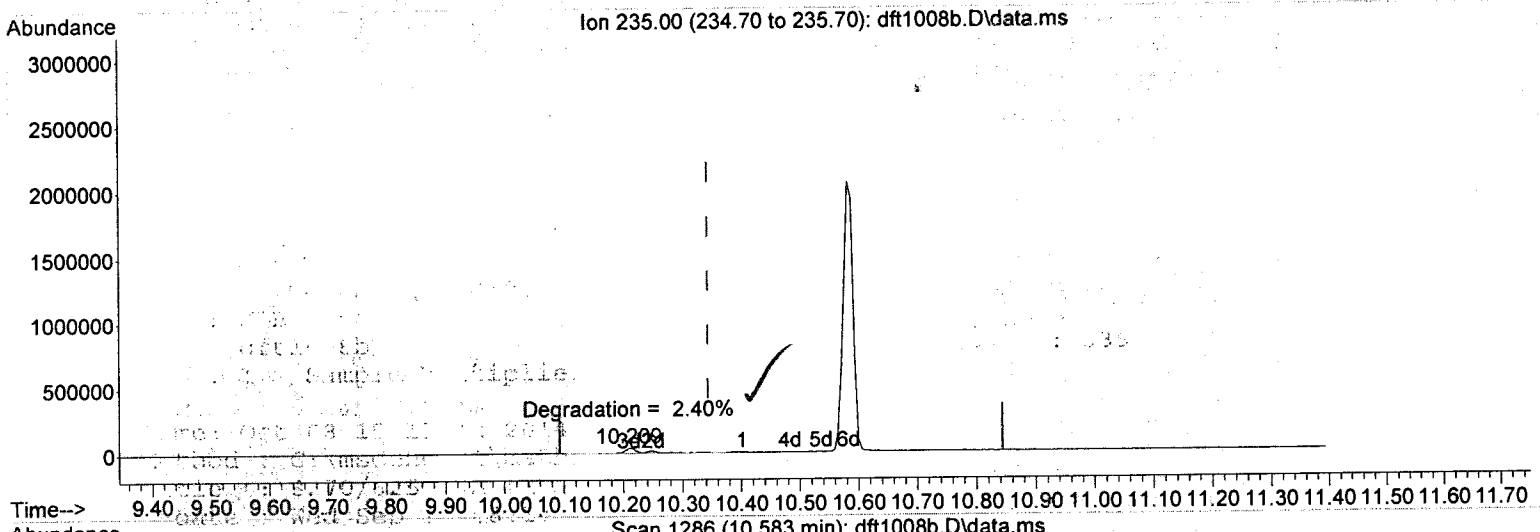
response 4132726

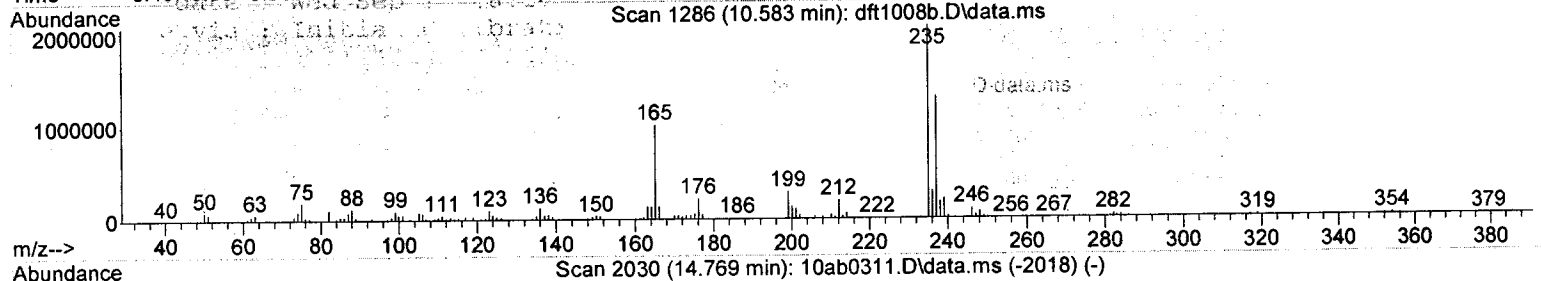
Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

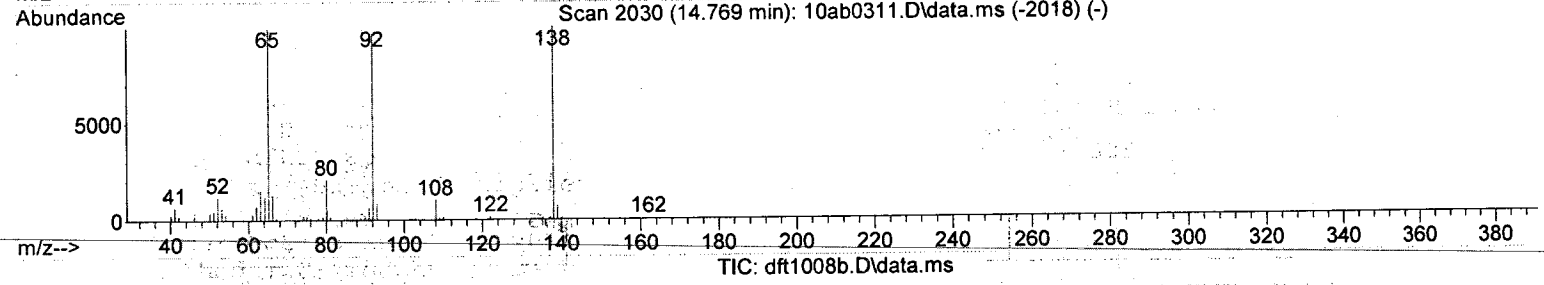
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : dft1008b.D
Acq On : 8 Oct 2014 8:01
Operator : JLB
Sample : dft1008b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 15:13:12 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration







TIC: dft1008b.D\data.ms

(3) 4-DDT

10.583min (+ 0.239) 18.06 ng/uL m

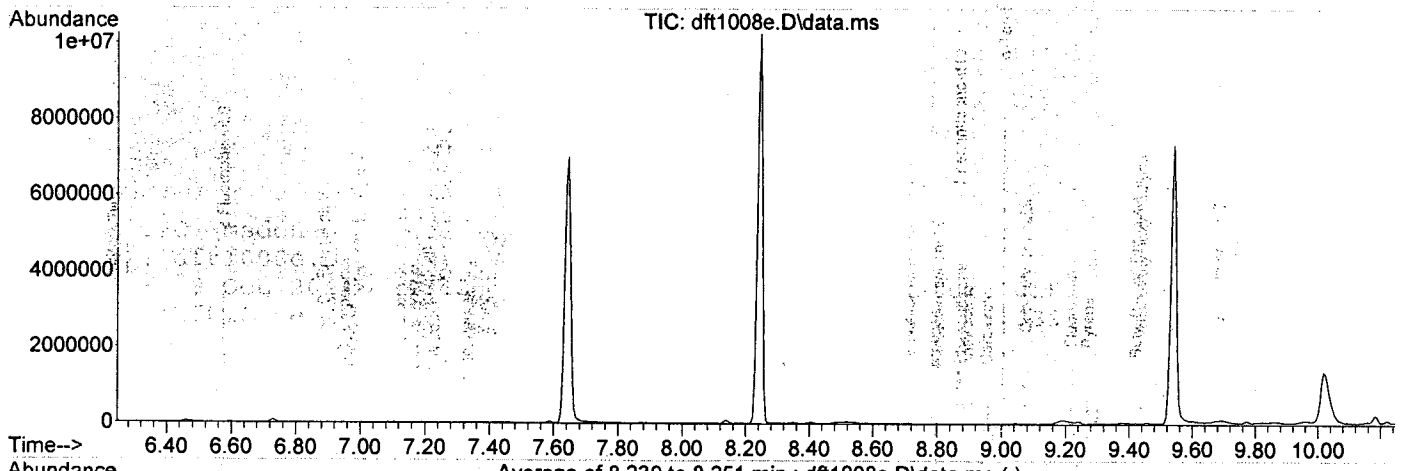
response 2456474

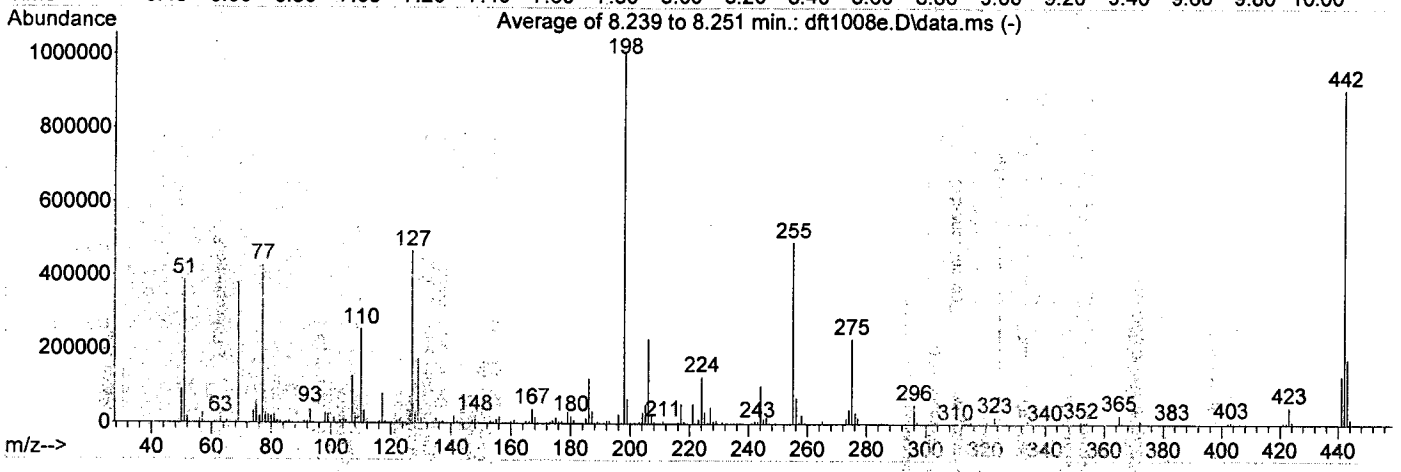
Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : C:\msdchem\1\data\100814a_339\
Data File : dft1008e.D
Acq On : 8 Oct 2014 14:42 Operator: JLB
Sample : dft1008e Inst : 339
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\100414bna.M
Title : 8270/625 BNA
Last Update : Thu Oct 09 08:05:40 2014





AutoFind: Scans 884, 885, 886; Background Corrected with Scan 876

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.6	388461	PASS
68	69	0.00	2	1.5	5692	PASS
69	198	0.00	100	37.9	381013	PASS
70	69	0.00	2	0.4	1559	PASS
127	198	40	60	46.4	467413	PASS
197	198	0.00	1	0.3	3482	PASS
198	198	100	100	100.0	1006485	PASS
199	198	5	9	6.6	66659	PASS
275	198	10	30	22.8	229909	PASS
365	198	1	100	2.6	26059	PASS
441	443	0.01	100	74.3	131539	PASS
442	198	40	100	90.2	908160	PASS
443	442	17	23	19.5	176960	PASS

DWO
10-15-14

004332

dft1008e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
40.95	602	57.00	27576	68.10	5692	79.00	24176
42.00	74	57.95	1248	69.00	381013	80.00	20107
44.95	744	59.00	366	70.00	1559	81.00	28589
47.95	230	60.05	202	70.80	122	82.00	7394
49.00	1450	61.00	4794	72.00	249	83.00	6421
50.00	93605	62.00	5332	73.00	2222	83.95	125
50.95	388461	63.00	15410	74.00	34528	85.00	4716
52.00	19610	64.05	2360	75.00	58587	85.95	7558
53.00	927	65.00	7968	76.05	20301	87.05	3603
55.00	1317	66.05	539	77.10	428437	88.00	1708
55.95	11855	67.00	387	78.05	29272	89.00	951

Average of 8.239 to 8.251 min.: dft1008e.D\data.ms
dft1008e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
89.95	151	101.00	16992	112.05	4546	122.00	7885
91.00	5771	101.95	951	113.00	1391	123.00	11996
92.00	6878	103.00	5365	114.00	133	124.00	5481
93.00	42638	104.00	10192	114.20	171	125.00	5374
94.00	3175	105.00	9409	115.05	398	126.10	503
95.05	440	106.05	3121	116.10	6651	127.05	467413
96.05	2033	107.00	128465	117.00	80805	128.05	34032
97.00	657	108.00	19702	118.00	6113	129.00	173624
98.00	30064	109.05	3454	119.00	834	130.00	14043
99.00	26522	110.00	254955	120.00	1543	131.00	2665
100.00	2533	111.00	35740	121.00	722	132.05	1540

Average of 8.239 to 8.251 min.: dft1008e.D\data.ms
dft1008e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
132.70	434	142.00	6784	152.05	1293	163.05	914
132.95	276	143.00	4654	153.00	6710	163.90	418
134.05	4859	144.05	1287	154.00	5182	164.05	762
135.00	13511	145.00	1068	155.10	11932	165.00	7657
136.05	5177	146.05	3503	156.10	18599	166.05	6281
137.10	6636	147.00	10465	157.10	3509	167.05	40043
137.70	245	148.00	21731	158.00	3869	168.00	18153
138.00	1148	148.95	4131	159.05	2779	169.00	3330
139.00	727	150.00	1365	160.00	6234	170.00	1335
140.05	1869	151.10	2633	161.05	9821	171.00	1556
141.00	20515	151.70	410	162.10	2735	172.00	3560

Average of 8.239 to 8.251 min.: dft1008e.D\data.ms
dft1008e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.10	4540	184.05	2541	195.05	1601	207.10	29259
174.00	8655	185.10	15388	196.05	26464	208.05	6643
175.10	17082	186.10	122488	197.05	3482	209.10	2093
176.05	5099	187.10	34491	198.00	1.00649e+006	210.20	2223
177.00	7484	188.05	3252	199.00	66659	211.10	8376
178.05	2559	189.00	6640	200.05	4571	212.00	462
179.00	31019	190.05	1125	201.50	4841	213.05	631
180.10	21229	191.05	3065	203.00	5194	213.95	246
181.10	10322	192.05	9091	204.10	30805	215.05	2166
182.05	1652	193.05	9923	205.10	51941	216.05	4091
183.00	915	194.05	2409	206.10	229696	217.00	54549

Average of 8.239 to 8.251 min.: dft1008e.D\data.ms
dft1008e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
218.05	7072	230.00	1565	241.00	2632	252.10	978
219.05	769	231.10	4894	242.10	6747	253.05	2218
221.10	54304	232.00	829	243.10	6937	254.10	3079
221.70	2646	233.05	1029	244.10	103115	255.10	493248
223.05	13277	234.00	2939	245.10	13080	256.10	71533
224.10	126893	235.00	3639	246.00	17426	257.10	5348

226.10	3185	237.05	3807	248.05	895	259.10	4257
227.05	45552	237.95	635	249.10	3627	260.00	750
228.00	6733	239.00	1789	249.95	820	261.00	818
229.00	10440	240.05	1434	251.00	863	263.05	178

Average of 8.239 to 8.251 min.: dft1008e.D\data.ms
dft1008e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
263.95	584	276.10	30645	289.00	719	301.00	830
265.05	10064	277.05	16913	290.00	581	302.00	1250
265.95	1132	278.05	2778	291.05	426	303.10	6988
266.95	219	279.00	614	292.05	845	304.10	2089
268.00	324	281.00	69	293.05	4174	305.05	337
269.95	687	281.95	452	294.05	1015	308.05	816
271.05	9974	283.05	1909	295.05	1053	309.00	526
272.05	1249	284.10	1285	296.05	53200	310.05	904
273.05	14988	285.10	3194	297.05	7428	311.00	137
274.05	40664	286.10	557	298.00	555	312.05	243
275.05	229909	287.95	212	299.00	69	313.00	547

Average of 8.239 to 8.251 min.: dft1008e.D\data.ms
dft1008e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
314.10	2742	324.95	341	336.05	343	352.05	6209
315.05	5990	326.05	369	338.90	292	353.10	4478
316.05	3918	327.00	3320	339.90	350	354.10	7062
317.00	670	328.05	1928	341.10	2364	355.05	1305
319.00	51	328.95	297	342.05	695	357.90	56
319.20	61	330.10	50	346.05	4428	359.00	560
319.85	151	332.00	1239	347.05	761	361.00	204
321.05	1837	333.05	1843	348.10	56	365.00	26059
322.10	1039	334.10	12811	350.05	196	366.05	3850
323.10	20965	335.10	3320	350.90	126	367.10	296
324.10	3680	335.80	81	351.10	244	370.00	613

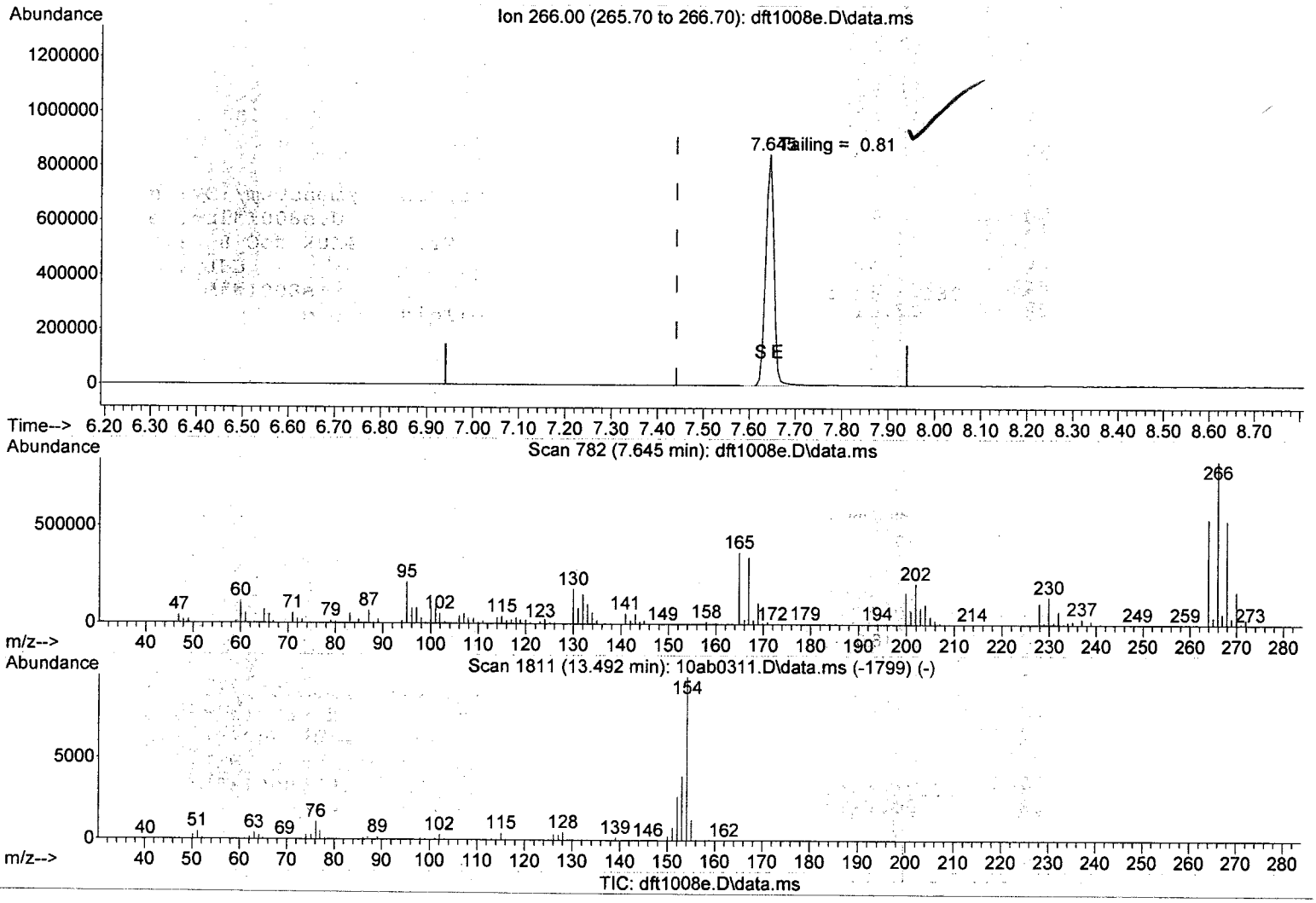
Average of 8.239 to 8.251 min.: dft1008e.D\data.ms
dft1008e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
371.10	1750	392.05	731	419.90	59	442.10	908160
372.10	11553	393.10	61	421.00	5845	443.10	176960
373.10	2755	394.90	149	422.05	6207	444.10	15258
374.00	303	396.10	52	423.10	47723	445.05	893
376.90	225	401.00	735	424.10	9003		
377.10	237	402.05	5011	425.05	838		
383.05	2834	403.10	7106	426.10	52		
384.00	883	404.05	2460	427.00	59		
384.95	295	404.95	316	439.20	55		
390.05	1476	410.00	263	440.05	136		
391.10	1260	415.00	335	441.10	131539		

004334

Data Path : C:\msdchem\1\data\100814a_339\
Data File : dft1008e.D
Acq On : 8 Oct 2014 14:42
Operator : JLB
Sample : dft1008e Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 08:34:17 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



(1) Pentachlorophenol

7.645min (+ 0.204) 2.80 ng/uL

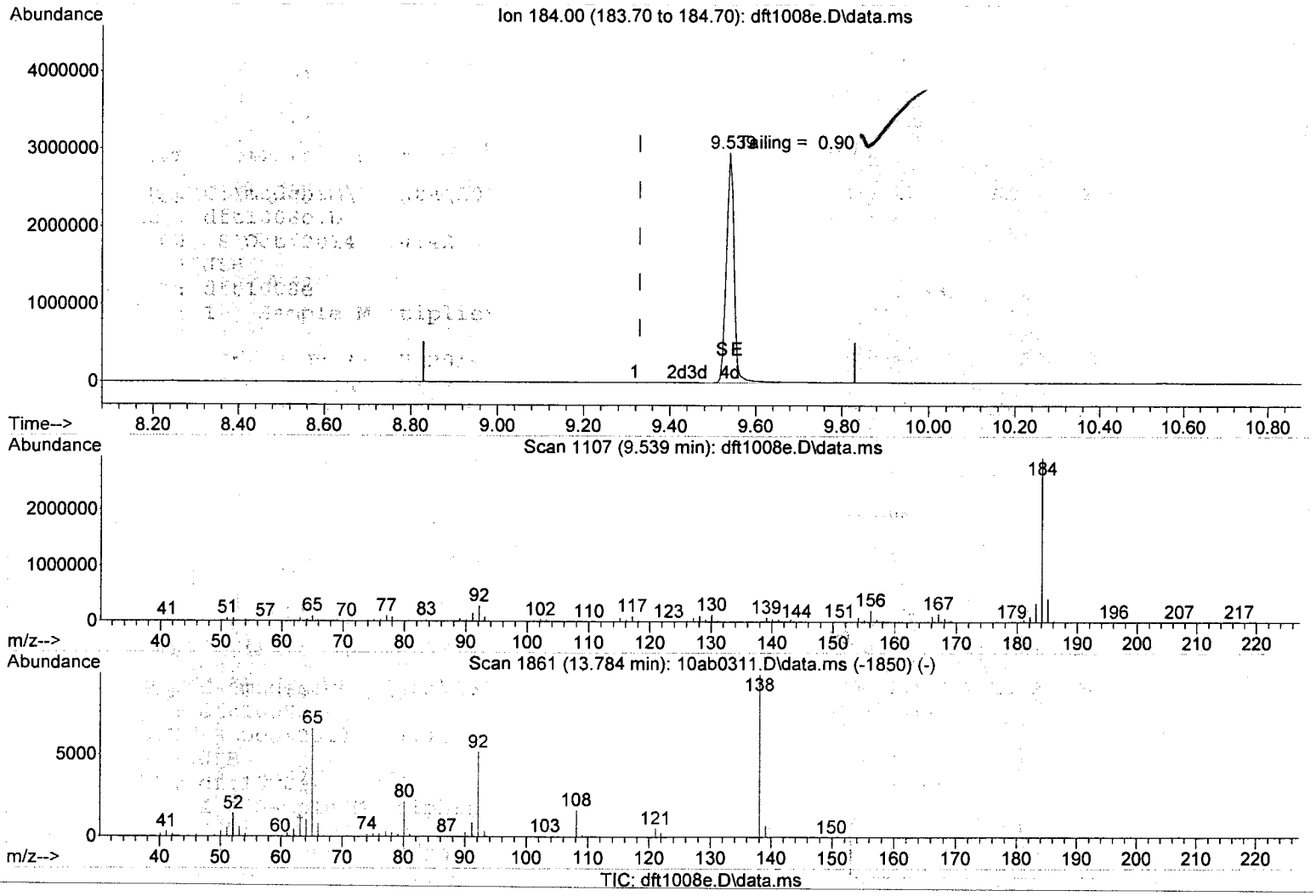
response 1066445

Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

004335

Data Path : C:\msdchem\1\data\100814a_339\
Data File : dft1008e.D
Acq On : 8 Oct 2014 14:42
Operator : JLB
Sample : dft1008e Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 08:34:17 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1008e.D\data.ms

(2) Benzidine

9.539min (+ 0.210) 23.55 ng/uL m

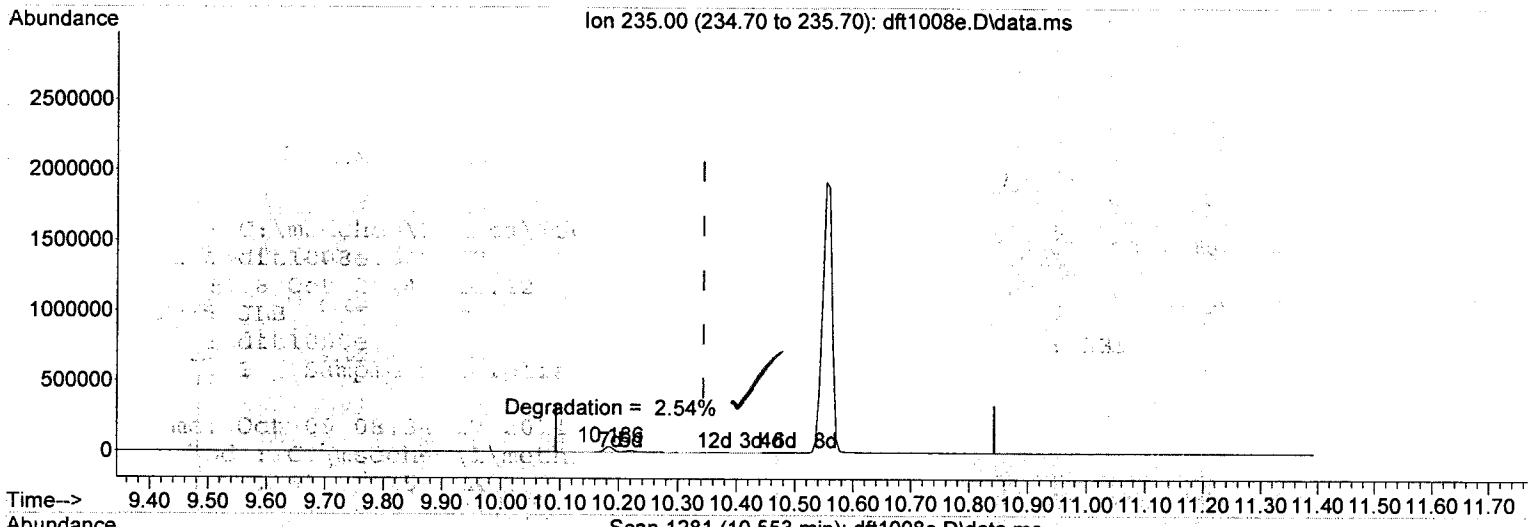
response 3783268

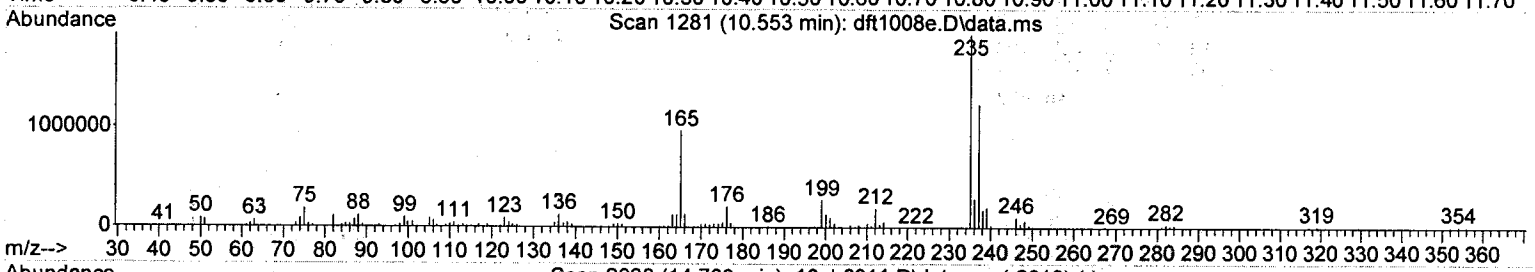
Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

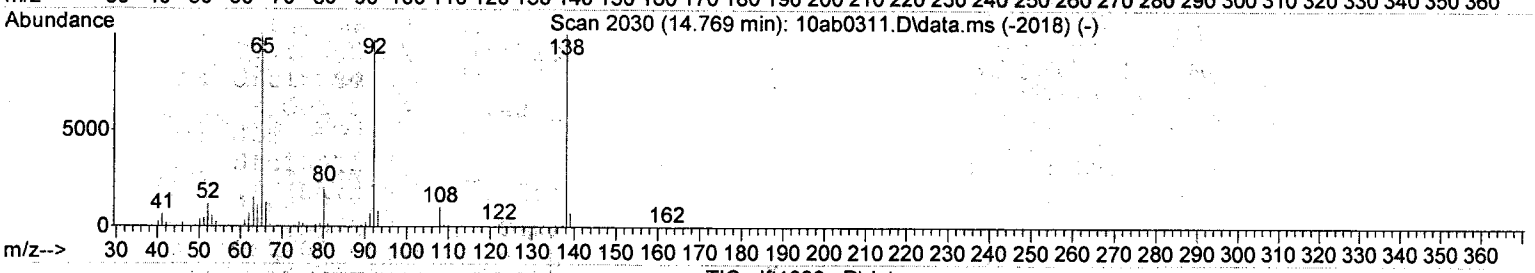
004336

Data Path : C:\msdchem\1\data\100814a_339\
Data File : dft1008e.D
Acq On : 8 Oct 2014 14:42
Operator : JLB
Sample : dft1008e Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 08:34:17 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration







TIC: dft1008e.D\data.ms

(3) 4-DDT

10.553min (+ 0.210) 16.44 ng/uL m

response 2255172

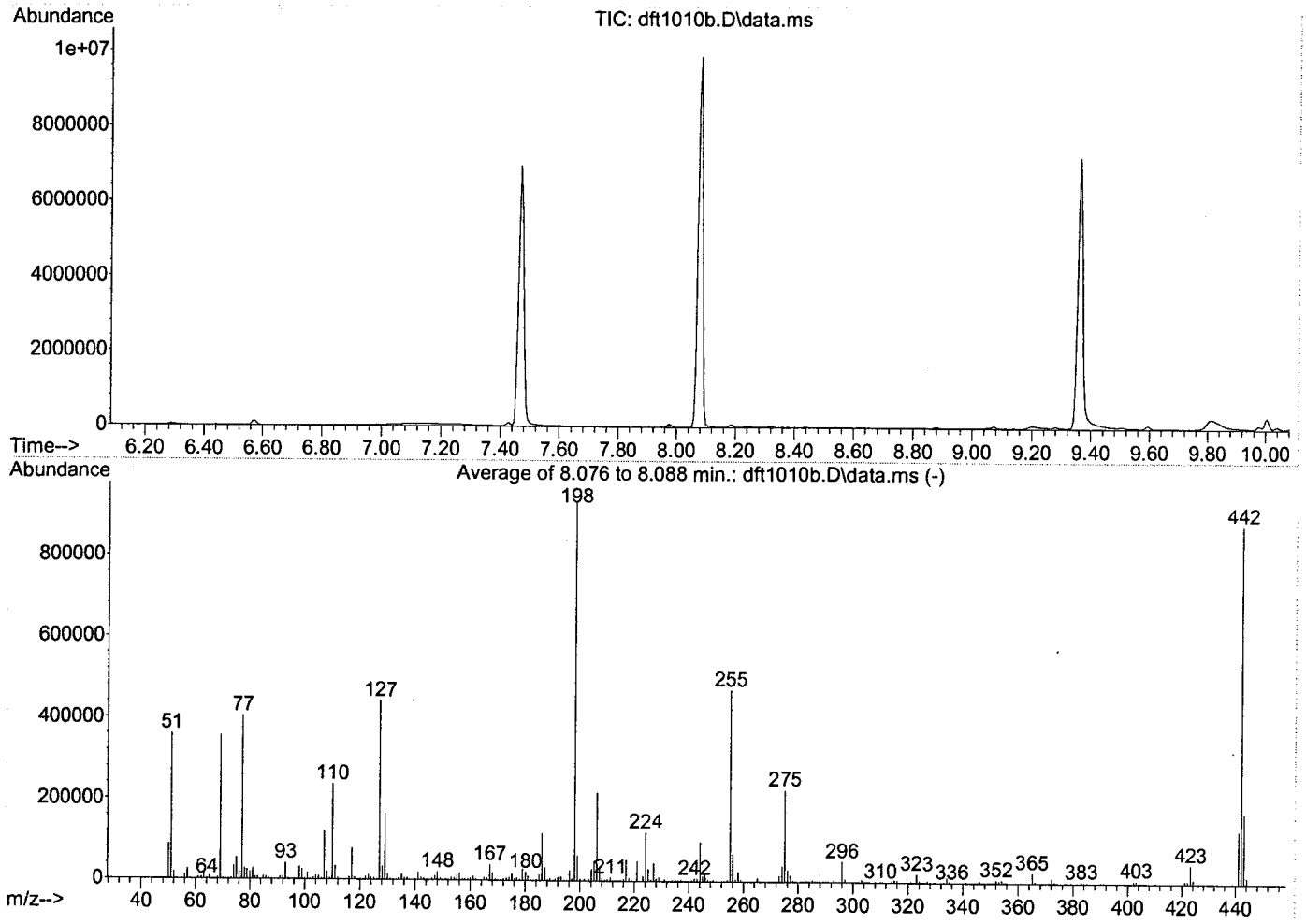
Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

004337

Data Path : C:\msdchem\1\data\101014_339\
Data File : dft1010b.D
Acq On : 10 Oct 2014 8:29 Operator: JLB
Sample : dft1010b Inst : 339
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\100414abe.M
Title : 8270/625 BNA
Last Update : Thu Oct 09 09:01:54 2014



AutoFind: Scans 856, 857, 858; Background Corrected with Scan 846

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.5	358790	PASS
68	69	0.00	2	1.5	5290	PASS
69	198	0.00	100	38.1	355478	PASS
70	69	0.00	2	0.5	1762	PASS
127	198	40	60	47.2	440683	PASS
197	198	0.00	1	0.5	4677	PASS
198	198	100	100	100.0	933056	PASS
199	198	5	9	6.7	62125	PASS
275	198	10	30	24.2	226155	PASS
365	198	1	100	2.6	24280	PASS
441	443	0.01	100	75.3	130600	PASS
442	198	40	100	94.4	880533	PASS
443	442	17	23	19.7	173419	PASS

AC 10/14/14

Average of 8.076 to 8.088 min.: dft1010b.D\data.ms
dft1010b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
41.05	636	57.00	24965	67.10	433	78.10	27012
45.00	710	58.00	1218	68.05	5290	79.00	23658
47.00	100	58.95	404	69.00	355478	80.00	18656
48.05	174	59.90	94	70.05	1762	81.00	27355
48.95	1325	60.10	52	70.95	204	81.95	6435
50.00	87963	61.00	4317	72.05	145	82.95	6589
50.95	358790	62.05	5008	73.00	2420	83.90	213
52.10	17621	63.05	14342	74.00	32399	85.00	7758
53.00	794	64.00	1794	75.00	53600	85.95	6357
55.00	1396	65.05	7091	76.10	18605	87.00	3640
56.00	10798	66.05	492	77.10	402731	88.00	1550

Average of 8.076 to 8.088 min.: dft1010b.D\data.ms
dft1010b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
89.05	707	100.00	2431	111.00	33637	122.05	7080
89.85	147	101.00	15915	112.00	3845	123.05	11356
91.00	6062	102.00	692	112.95	1291	124.00	5074
92.00	6623	103.05	4556	114.15	316	125.05	5096
93.00	39949	104.00	9558	115.00	489	127.10	440683
94.00	2915	105.00	9010	116.05	6371	128.05	32775
95.00	862	106.05	2789	117.00	77656	129.00	163840
96.00	2010	107.00	119995	118.00	5589	130.00	13291
97.05	834	108.00	18890	118.90	804	131.05	2716
98.00	30116	109.10	3062	120.05	1600	132.00	1304
99.00	24185	110.00	235272	121.00	552	132.80	179

Average of 8.076 to 8.088 min.: dft1010b.D\data.ms
dft1010b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
133.05	327	144.05	1152	155.10	11261	166.10	6027
134.00	4480	145.05	1137	156.10	17604	167.05	38342
135.10	13378	146.00	3436	157.10	3051	168.10	17444
136.05	5100	147.10	9613	158.00	3540	169.05	3150
137.10	5972	148.00	19884	159.05	2861	170.05	1150
137.90	1463	149.05	4371	160.00	5878	171.00	1525
139.05	713	150.10	1141	161.10	9288	172.05	3272
140.05	1799	151.10	2282	162.00	2543	173.10	4618
141.00	19212	152.00	473	162.95	775	174.10	8084
142.05	6092	153.10	6763	164.05	1244	175.10	15783
143.05	4106	154.10	4805	165.00	7086	176.10	4766

Average of 8.076 to 8.088 min.: dft1010b.D\data.ms
dft1010b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.00	6805	188.10	3193	198.00	933056	210.10	3066
178.00	2587	189.00	6161	199.00	62125	211.10	7596
179.00	28306	190.05	1086	200.05	4355	213.00	642
180.10	20420	191.00	3161	201.55	4409	214.00	189
181.05	9794	192.00	8465	203.05	4962	215.00	2074
182.00	1621	193.10	9924	204.10	28773	216.05	4235
182.95	1036	194.00	2134	205.10	49152	217.00	51923
184.10	2471	195.15	1377	206.10	218155	218.00	6368
185.10	14039	196.10	24915	207.10	29344	219.00	729
186.10	117016	196.85	3033	208.05	6249	221.05	49608
187.10	32725	197.10	4677	209.05	1954	223.05	12884

Average of 8.076 to 8.088 min.: dft1010b.D\data.ms
dft1010b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
224.10	121467	235.00	3179	244.10	96979	255.10	471189
225.10	30667	236.05	2346	245.10	12416	256.10	67973
226.10	3039	237.10	3632	246.00	16760	257.05	4866
227.05	45059	237.90	177	247.00	3452	258.05	23571
228.00	6157	238.10	320	248.05	825	259.05	3865
229.00	10402	238.90	554	249.00	3502	260.00	694
230.00	1184	239.05	1027	250.00	764	261.05	1001
231.10	4374	240.05	1357	251.00	683	262.10	133
232.00	747	241.05	2553	252.10	907	262.95	271
233.00	941	242.10	6129	253.05	1971	264.00	831

Average of 8.076 to 8.088 min.: dft1010b.D\data.ms
dft1010b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
266.00	1498	277.10	16472	288.05	131	301.00	801
266.80	92	278.05	2474	289.05	687	302.05	990
267.05	162	279.10	591	289.95	585	303.10	6728
267.75	109	280.95	166	291.00	570	304.10	1732
270.00	594	282.05	458	292.00	736	305.00	235
271.05	1037	283.05	1943	293.05	3970	308.05	697
272.10	1241	284.00	1416	294.00	1010	309.00	587
273.05	13983	285.10	3107	295.05	1198	310.05	905
274.10	38232	286.05	715	296.00	51080	310.90	157
275.10	226155	287.00	76	297.10	7052	312.00	186
276.10	29003	287.90	60	298.05	574	313.00	524

Average of 8.076 to 8.088 min.: dft1010b.D\data.ms
dft1010b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
314.10	2543	325.05	358	336.05	445	352.10	6180
315.10	5950	325.80	81	338.80	80	353.10	4461
316.10	3899	326.05	371	339.05	216	354.10	7021
317.00	189	327.00	3340	340.10	259	355.05	1310
317.15	385	328.05	1950	341.10	2344	355.90	120
318.95	108	329.00	360	342.05	630	359.05	446
320.05	258	329.90	60	346.00	3926	360.90	170
321.10	1839	332.00	1407	347.00	684	363.90	232
322.05	972	333.05	1823	349.95	198	365.00	24280
323.10	20778	334.10	12342	350.95	216	366.00	3528
324.10	3570	335.10	3279	351.20	140	367.00	263

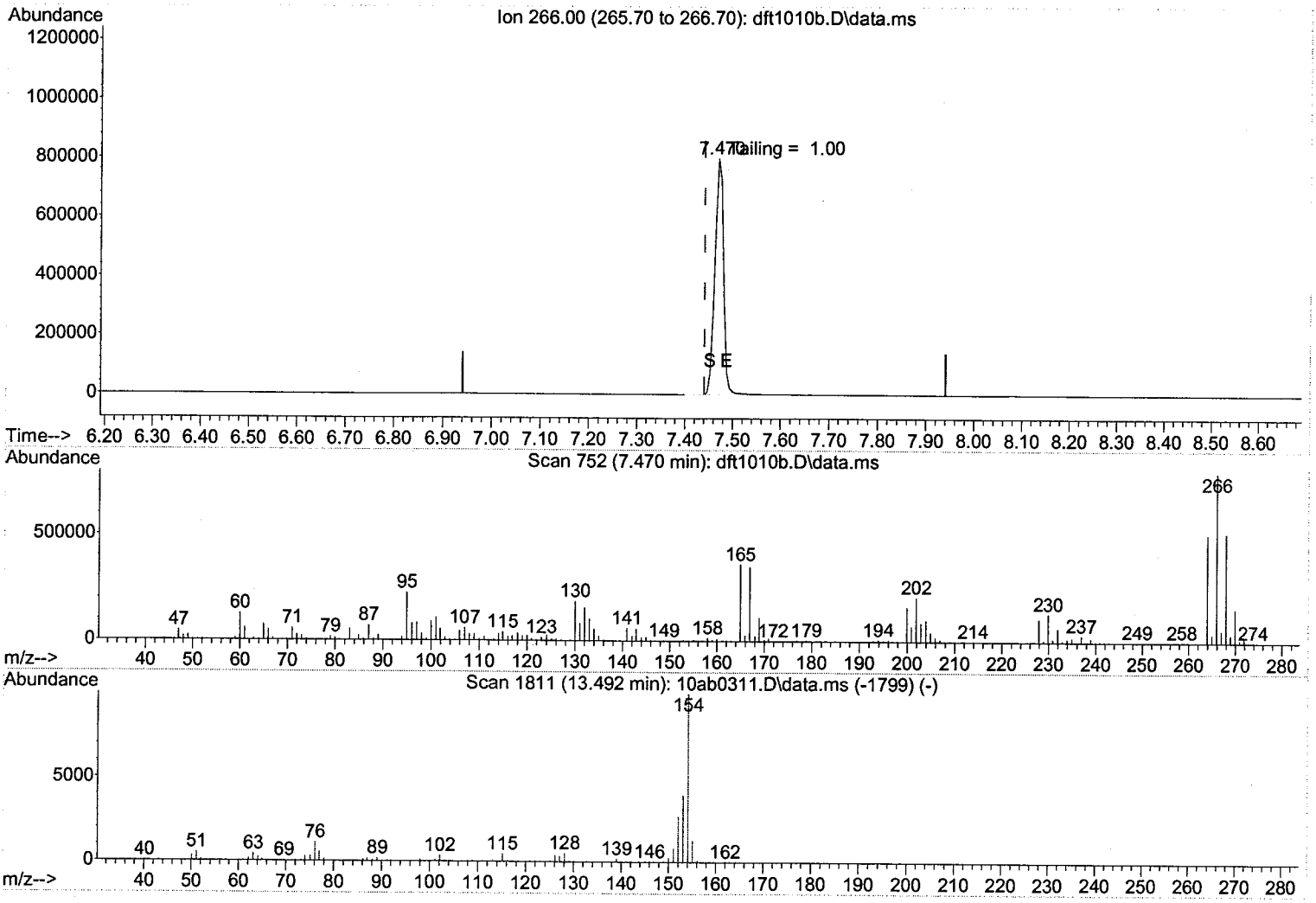
Average of 8.076 to 8.088 min.: dft1010b.D\data.ms
dft1010b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
369.95	631	392.05	781	423.10	44491		
371.10	1646	397.00	144	424.10	8853		
372.10	10804	401.00	798	425.10	834		
373.05	2864	402.10	4715	425.95	107		
374.00	267	403.10	6647	438.95	111		
377.00	269	404.10	2064	441.10	130600		
383.05	2922	404.95	282	442.10	880533		
384.05	887	409.95	136	443.10	173419		
385.15	308	415.05	337	444.10	15564		
390.05	1661	421.10	5623	445.05	870		
391.15	1151	422.10	5634				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : dft1010b.D
Acq On : 10 Oct 2014 8:29
Operator : JLB
Sample : dft1010b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 12:57:23 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1010b.D\data.ms

(1) Pentachlorophenol

7.470min (+ 0.029) 2.68 ng/uL

response 1022630

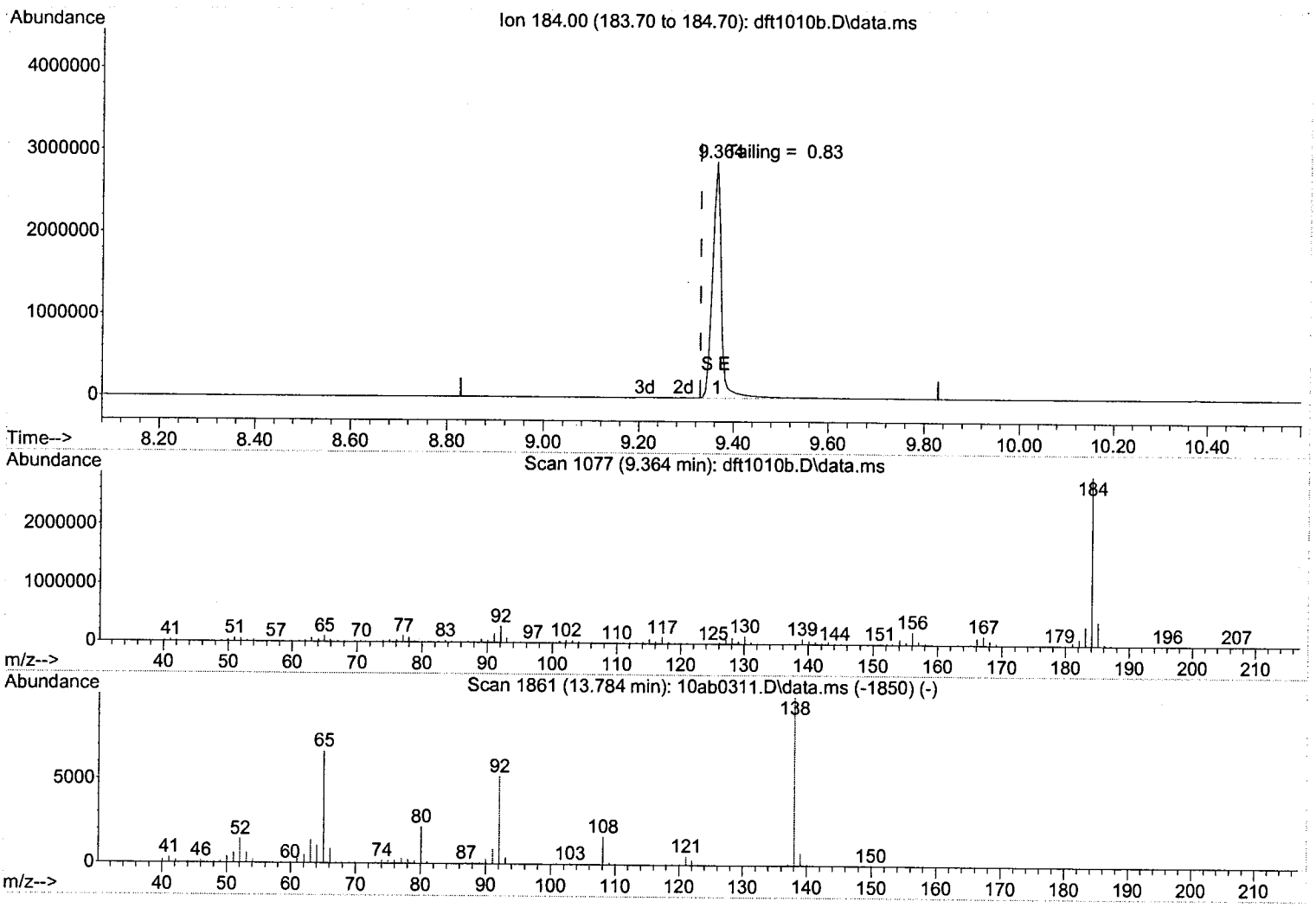
Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ASC 10/10/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : dft1010b.D
Acq On : 10 Oct 2014 8:29
Operator : JLB
Sample : dft1010b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 12:57:23 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1010b.D\data.ms

(2) Benzidine

9.364min (+ 0.035) 23.46 ng/uL m

response 3771052

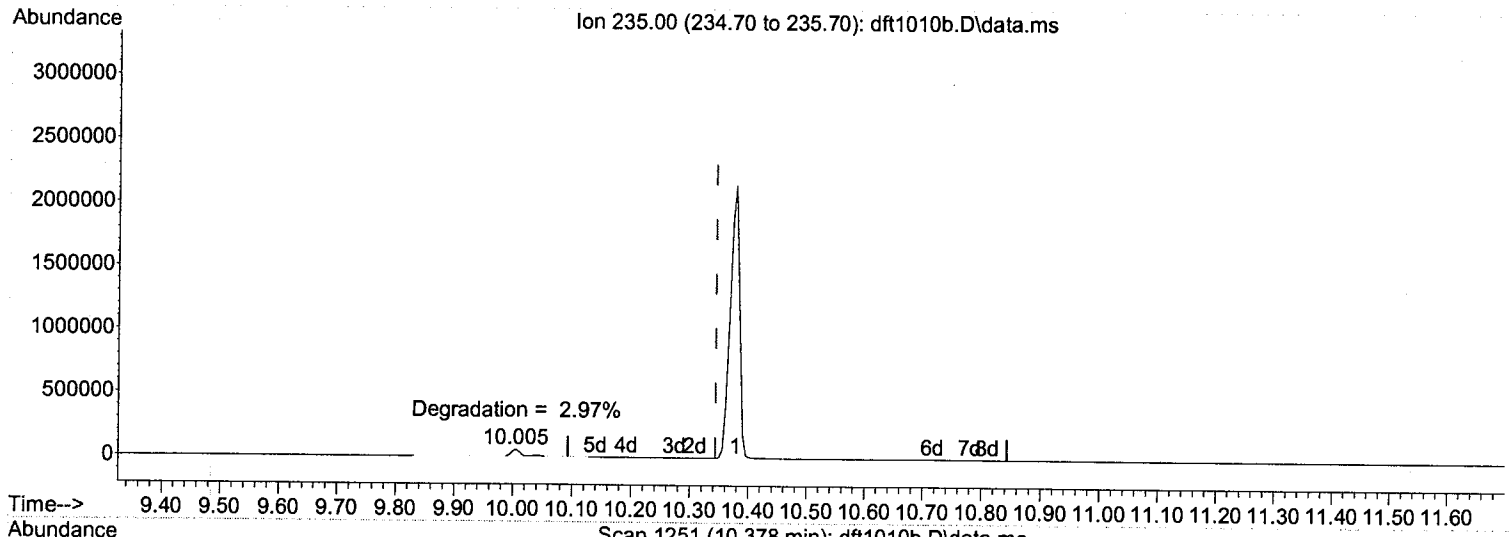
Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

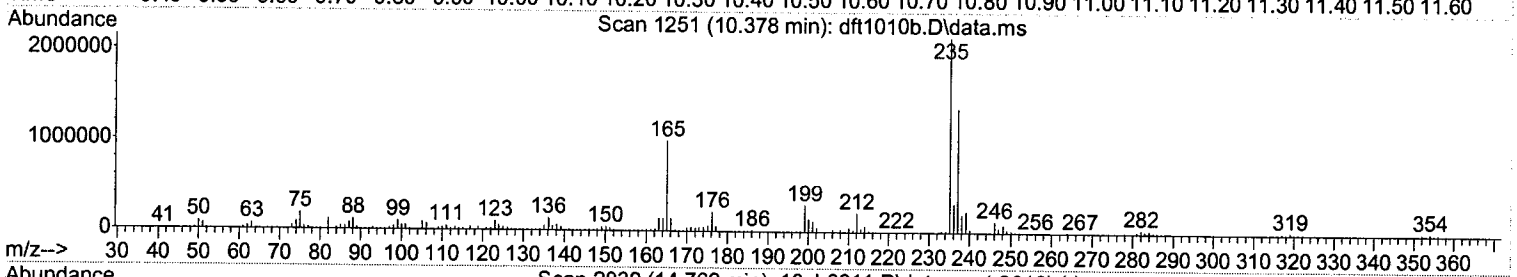
ASC
10/10/14

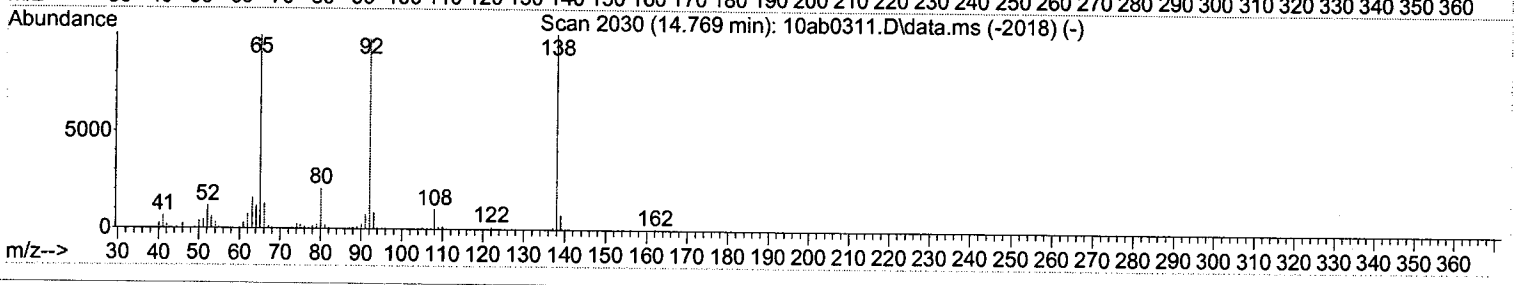
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : dft1010b.D
Acq On : 10 Oct 2014 8:29
Operator : JLB
Sample : dft1010b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 12:57:23 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration







TIC: dft1010b.D\data.ms

(3) 4-DDT

10.378min (+ 0.035) 17.93 ng/uL

response 2440496

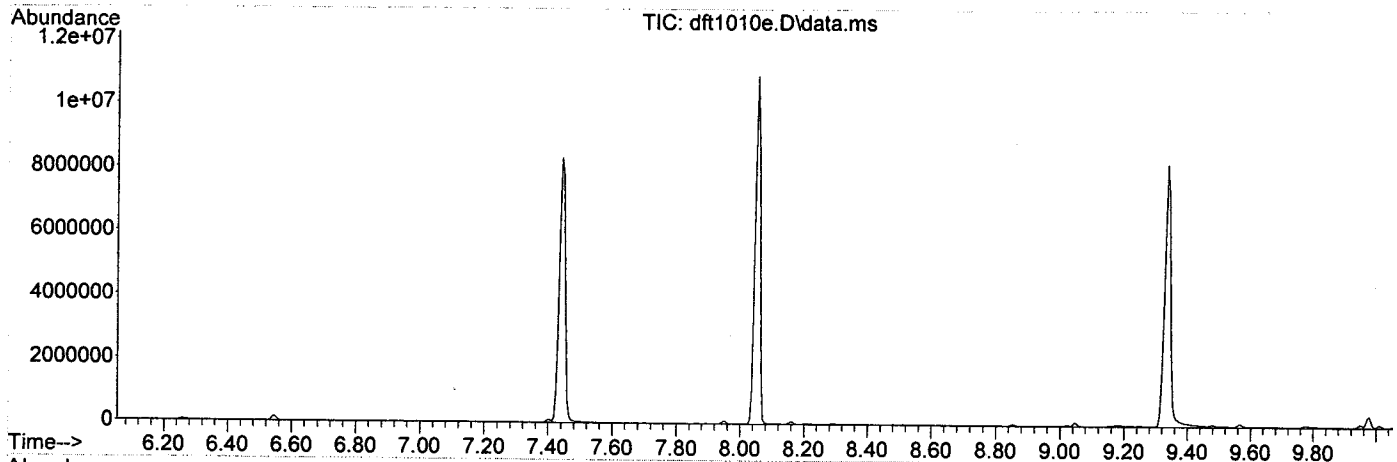
Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

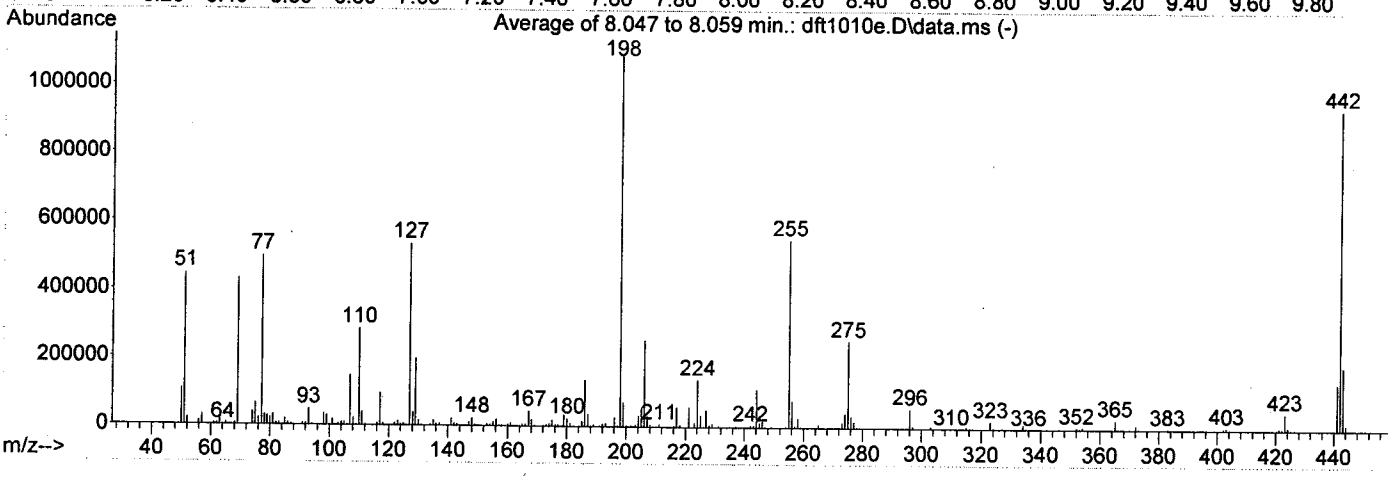
ASC 10/10/14

Data Path : C:\msdchem\1\data\101014a_339\
Data File : dft1010e.D
Acq On : 10 Oct 2014 15:01 Operator: JLB
Sample : dft1010e Inst : 339
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\tail&degrad.M
Title : 8270/625 BNA
Last Update : Wed Sep 10 08:14:34 2014





AutoFind: Scans 851, 852, 853; Background Corrected with Scan 842

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.9	446411	PASS
68	69	0.00	2	1.5	6632	PASS
69	198	0.00	100	39.7	433451	PASS
70	69	0.00	2	0.5	1962	PASS
127	198	40	60	48.8	533184	PASS
197	198	0.00	1	0.4	4042	PASS
198	198	100	100	100.0	1091712	PASS
199	198	5	9	6.7	73045	PASS
275	198	10	30	23.3	254379	PASS
365	198	1	100	2.6	28077	PASS
441	443	0.01	100	73.9	136507	PASS
442	198	40	100	85.8	936640	PASS
443	442	17	23	19.7	184661	PASS

DWO
10-15-14

dft1010e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
40.10	626	54.95	1529	64.00	2391	75.00	67240
41.00	816	55.95	13195	65.05	8843	76.10	22533
42.95	12	57.00	31207	66.05	643	77.10	496704
44.95	871	58.00	1643	66.95	464	78.10	32781
46.90	393	58.95	365	68.00	6632	79.00	28859
48.00	279	59.70	56	69.00	433451	80.00	23165
49.00	2280	60.00	175	70.00	1962	81.00	33712
50.00	108075	60.20	99	70.95	127	82.00	8617
51.00	446411	61.00	5522	71.95	148	83.00	8595
52.00	22499	62.05	6298	73.05	2837	84.05	656
53.00	1022	63.00	17645	74.00	39944	85.00	20035

Average of 8.047 to 8.059 min.: dft1010e.D\data.ms
dft1010e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.00	9295	97.00	683	108.05	22920	119.05	952
87.05	4802	98.00	36419	109.05	3643	120.05	1887
88.00	2331	99.00	31307	110.00	285461	120.95	570
88.95	790	100.00	2646	111.00	41469	122.05	8909
90.05	204	101.00	18816	112.05	5031	123.05	14352
91.00	7494	101.95	1255	113.05	1553	124.00	6188
92.00	7953	103.00	5869	114.10	343	125.00	6321
93.00	48584	104.00	11611	114.85	544	127.05	533184
94.00	3647	105.00	10958	116.00	7627	128.10	39771
94.95	918	106.05	3558	117.00	96456	129.00	197376
96.05	2688	107.00	147781	118.00	7515	130.05	15986

Average of 8.047 to 8.059 min.: dft1010e.D\data.ms
dft1010e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.05	3244	141.05	22699	152.05	1934	163.05	817
132.05	1784	142.05	8241	153.05	7745	164.00	1503
132.80	400	143.00	5494	154.05	5759	164.95	8069
133.10	453	144.05	1568	155.10	13855	166.05	7202
134.00	5232	145.00	1543	156.10	21133	167.05	45715
135.05	15909	146.05	3941	157.10	4366	168.10	21632
136.00	6398	147.05	11768	158.00	4404	169.05	4023
137.10	7351	148.00	24203	159.05	3222	170.05	1362
137.95	1642	149.00	4977	160.05	7350	171.05	2169
139.05	962	150.05	1290	161.00	11449	172.00	4205
140.05	2024	151.15	2971	162.05	3071	173.05	5359

Average of 8.047 to 8.059 min.: dft1010e.D\data.ms
dft1010e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.10	9258	184.05	2966	194.95	1591	207.10	32075
175.10	18885	185.10	16512	196.05	28619	208.05	7358
176.10	5942	186.10	137757	197.10	4042	209.00	2443
177.00	8090	187.10	37803	198.00	1.09171e+006	210.15	3958
178.00	2852	188.10	3726	199.00	73045	211.10	9472
179.00	34269	189.00	7151	200.05	5244	213.05	672
180.10	23947	190.00	1258	201.55	5231	213.90	58
181.10	11277	191.05	3681	203.05	6441	214.15	191
182.05	1829	192.05	9932	204.10	34749	215.05	2606
182.90	336	193.10	11903	205.10	58059	216.05	4549
183.10	808	194.05	2679	206.10	254720	217.00	59293

Average of 8.047 to 8.059 min.: dft1010e.D\data.ms
dft1010e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
218.05	7529	231.10	5075	242.05	6482	253.05	2279
219.05	782	232.05	967	243.10	7479	254.05	3584
221.10	59221	233.05	951	244.10	112677	255.10	548565
223.10	14593	234.05	3264	245.10	14671	256.10	79280
224.10	138995	235.05	3994	246.05	19136	257.10	6214
225.10	35131	236.00	2749	247.05	3859	258.05	28413

227.05	51883	238.00	632	249.05	3930	260.05	759
228.05	7264	239.00	2042	250.00	900	261.05	835
229.05	11922	240.10	1724	251.00	832	261.95	108
230.10	1529	241.05	3200	252.05	1028	263.10	271

Average of 8.047 to 8.059 min.: dft1010e.D\data.ms
dft1010e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
264.05	789	275.10	254379	288.10	206	298.00	611
265.05	10469	276.10	34133	288.90	243	299.10	69
266.00	1294	277.10	18794	289.05	553	301.05	701
267.10	137	278.05	2963	290.05	644	302.05	1020
267.85	127	279.05	753	291.05	443	303.10	7774
269.10	60	281.00	65	292.05	805	304.10	2141
270.00	510	281.95	416	293.10	4227	304.90	57
271.00	1142	283.05	2285	294.05	1022	305.10	194
272.05	1440	284.10	1674	295.05	1109	308.00	964
273.05	16123	285.10	3179	296.10	57616	309.05	621
274.10	43632	286.00	691	297.00	8347	310.05	841

Average of 8.047 to 8.059 min.: dft1010e.D\data.ms
dft1010e
Modified:subtracted

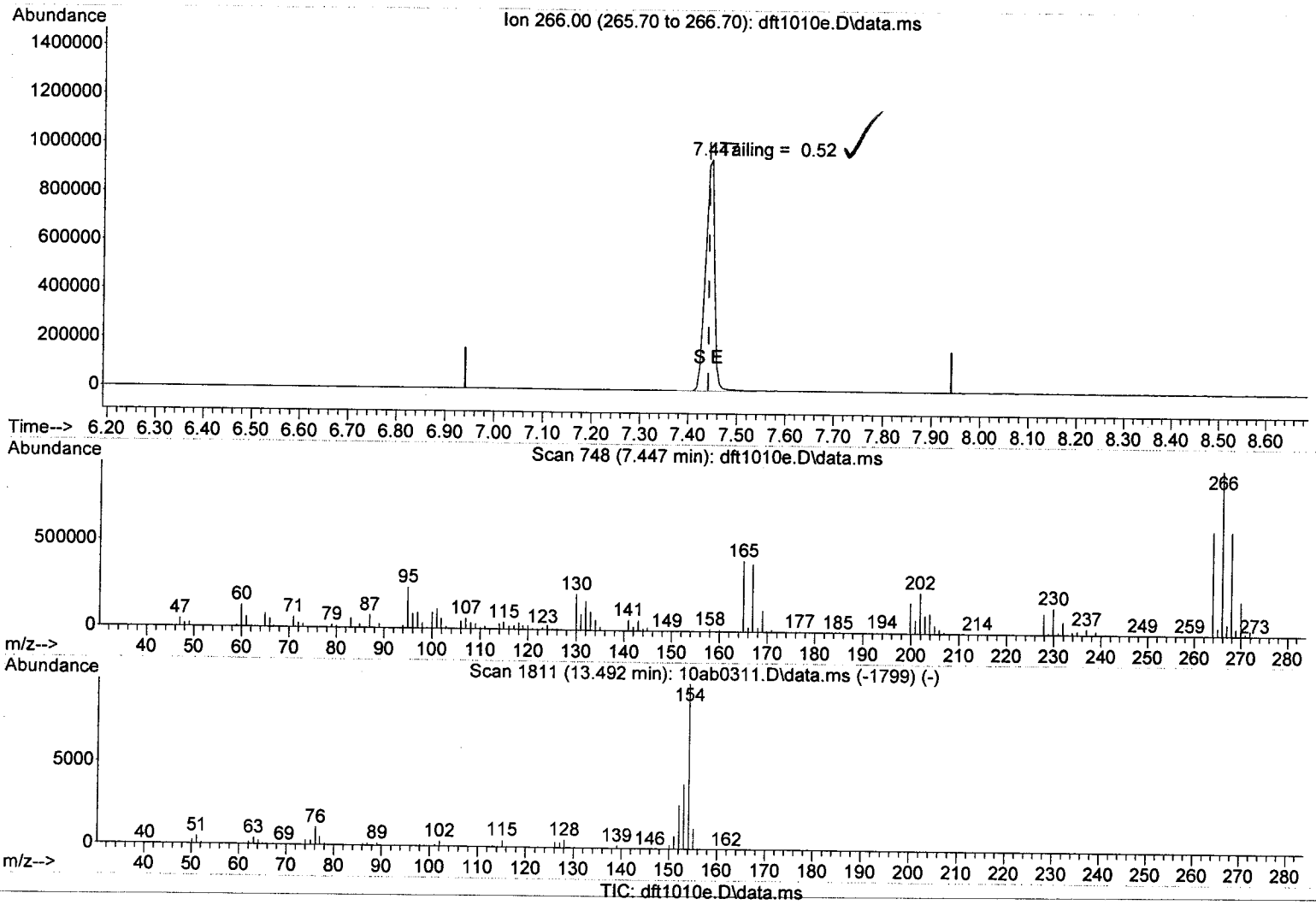
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
310.95	255	324.10	4296	335.05	3922	350.15	183
312.05	242	324.90	121	336.00	308	351.05	391
313.05	544	325.05	288	336.20	185	352.10	6570
314.05	3144	326.05	498	339.10	304	353.05	4979
315.05	6638	327.05	3967	339.95	266	354.10	7387
316.10	4069	328.05	1965	341.10	2350	355.05	1392
317.05	731	329.05	380	342.05	739	357.95	147
320.05	323	330.05	123	343.10	69	359.05	539
321.05	2262	332.05	1656	346.00	4190	360.05	116
322.10	1229	333.05	1926	346.95	890	361.00	143
323.10	22877	334.10	14160	348.00	53	363.90	104

Average of 8.047 to 8.059 min.: dft1010e.D\data.ms
dft1010e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
365.05	28077	385.05	319	405.10	389	440.10	213
366.05	3924	390.10	1864	410.05	155	441.10	136507
367.00	345	391.05	1114	414.95	271	442.10	936640
370.05	683	392.05	932	416.10	50	443.10	184661
371.10	1811	393.00	162	420.00	69	444.10	16519
372.10	12478	395.00	117	421.10	6416	445.05	895
373.10	2873	397.00	175	422.10	6204		
374.05	396	401.05	904	423.10	48675		
377.05	274	402.05	5100	424.10	9988		
383.05	3222	403.05	7318	425.05	977		
384.05	969	404.10	2658	427.00	50		

Data Path : C:\msdchem\1\data\101014a_339\
Data File : dft1010e.D
Acq On : 10 Oct 2014 15:01
Operator : JLB
Sample : dft1010e Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 08:44:47 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



(1) Pentachlorophenol

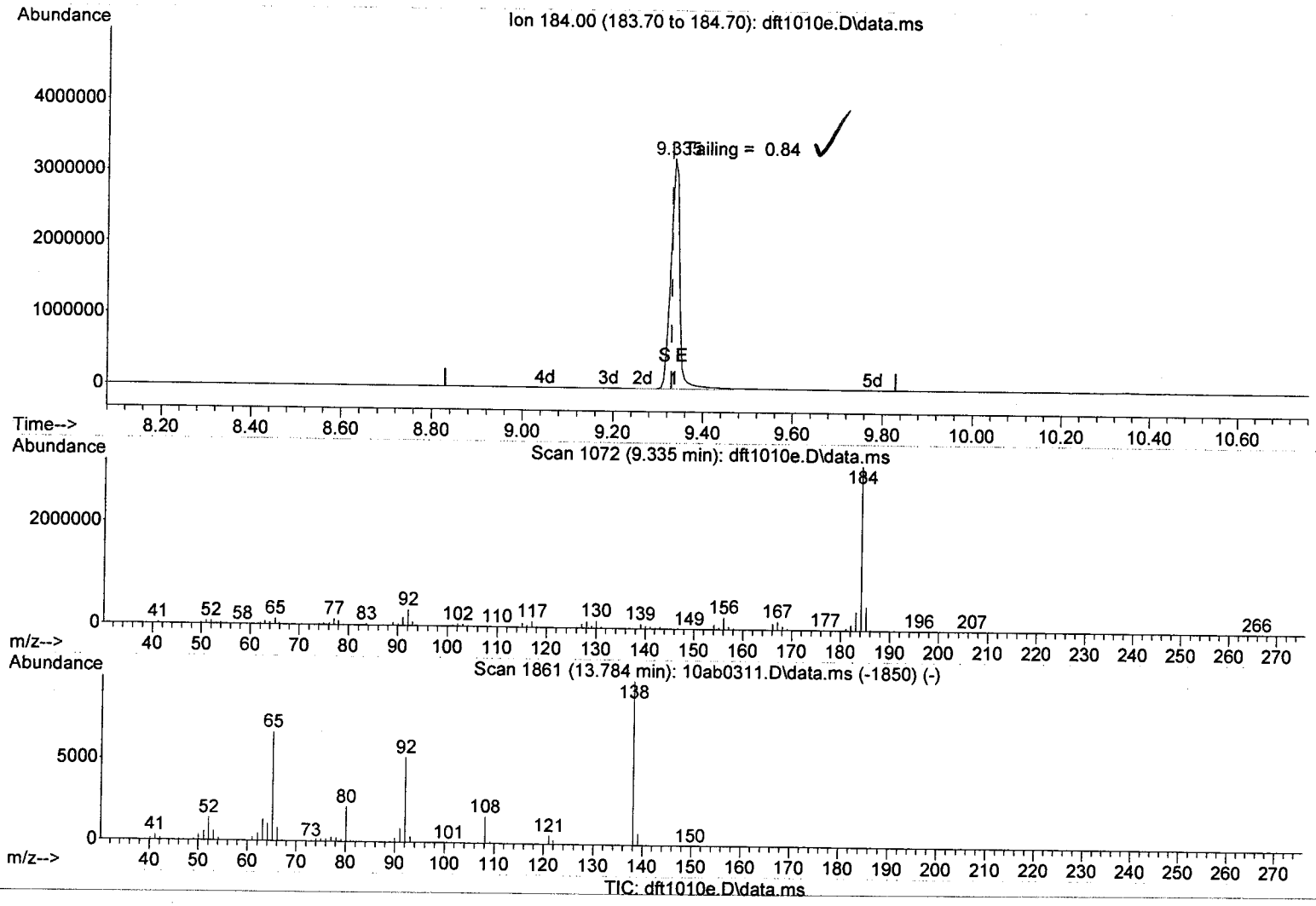
7.447min (+ 0.006) 3.24 ng/uL

response 1236306

Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : C:\msdchem\1\data\101014a_339\
Data File : dft1010e.D
Acq On : 10 Oct 2014 15:01
Operator : JLB
Sample : dft1010e Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 08:44:47 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



(2) Benzidine

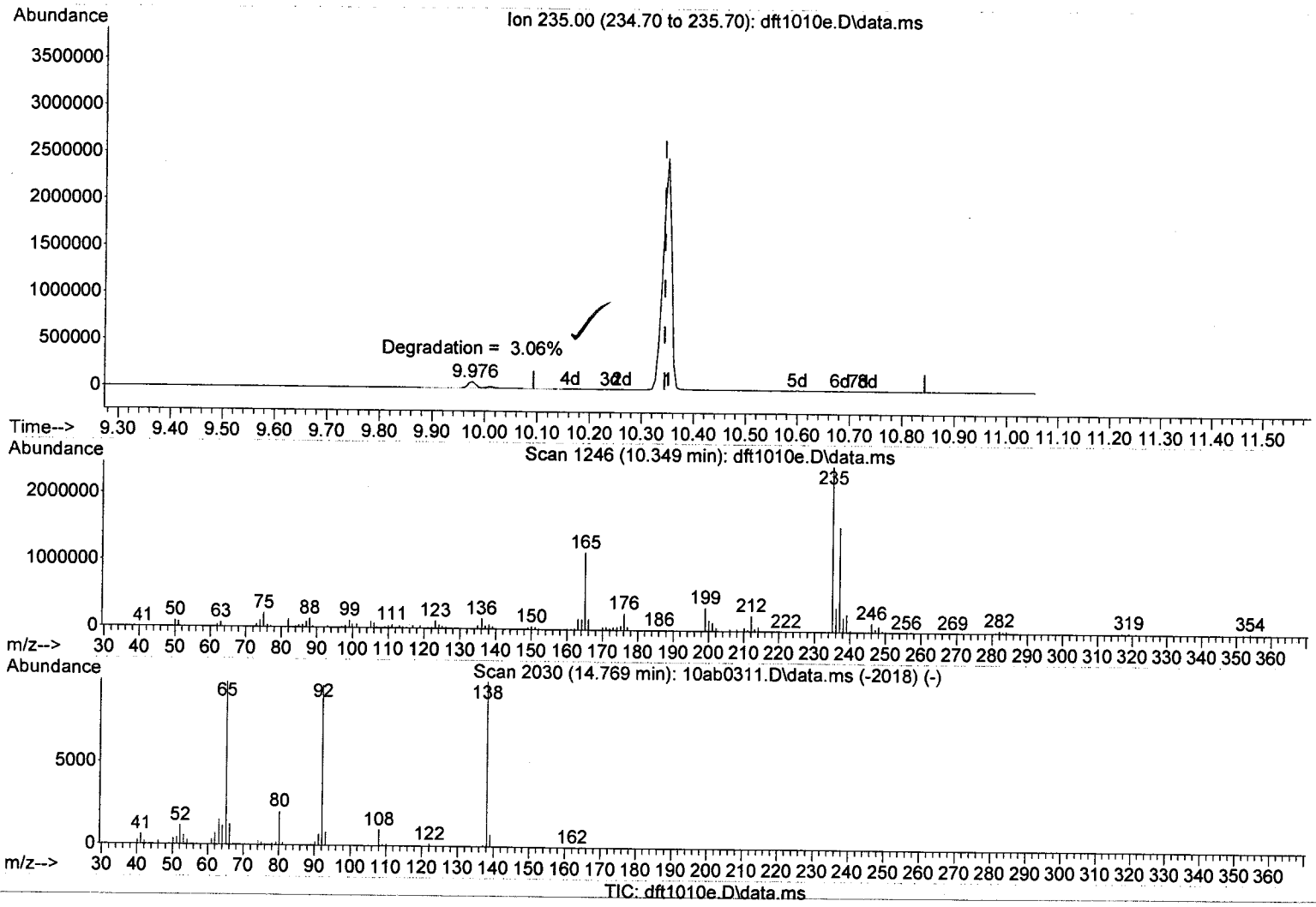
9.335min (+ 0.006) 29.55 ng/uL

response 4543218

Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : C:\msdchem\1\data\101014a_339\
Data File : dft1010e.D
Acq On : 10 Oct 2014 15:01
Operator : JLB
Sample : dft1010e Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 08:44:47 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1010e.D\data.ms

(3) 4-DDT

10.349min (+ 0.006) 21.11 ng/uL

response 2835718

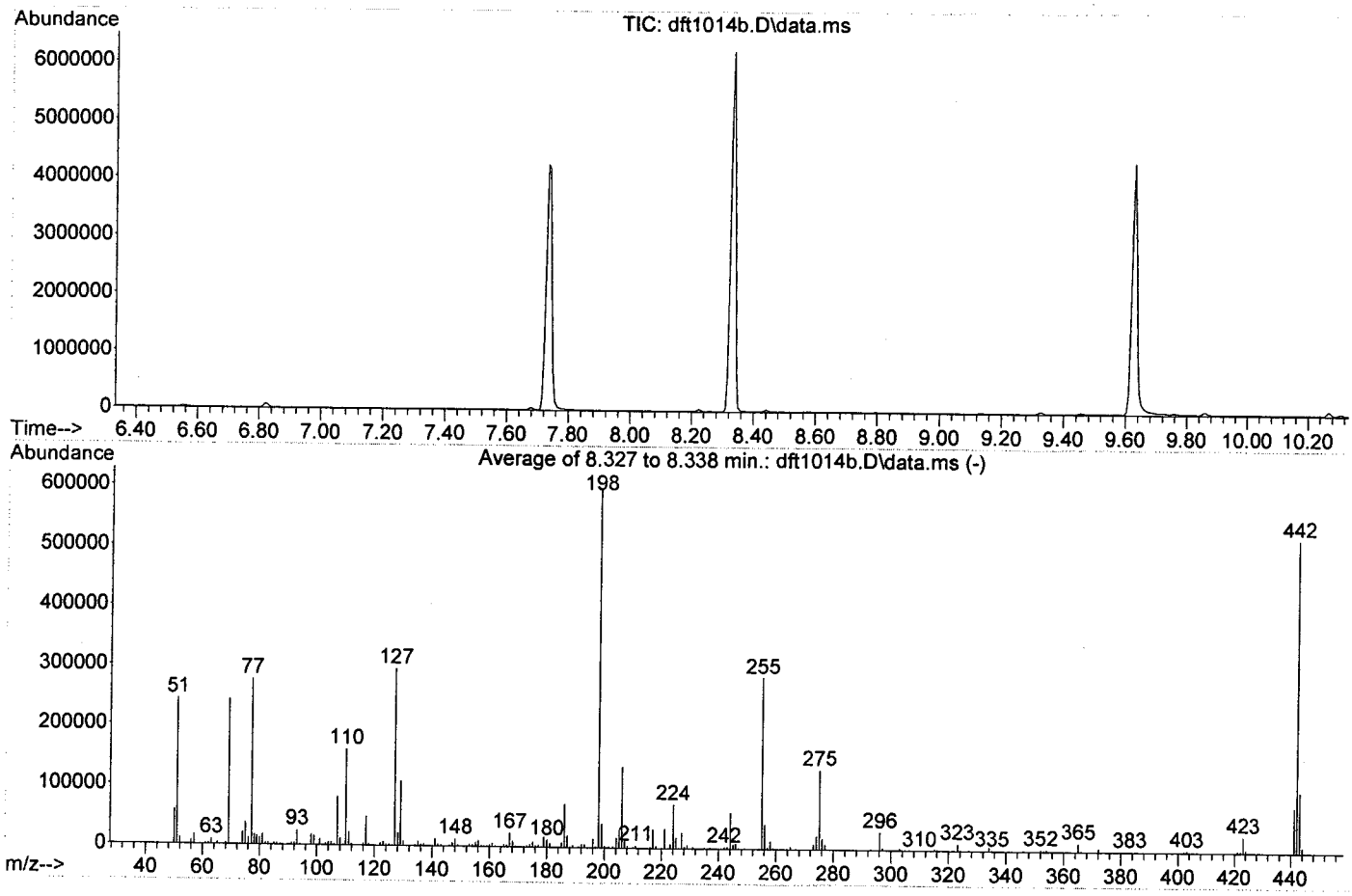
Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\data\101414_339\
Data File : dft1014b.D
Acq On : 14 Oct 2014 7:43 Operator: JLB
Sample : dft1014b Inst : 339
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\100414bna.M
Title : 8270/625 BNA
Last Update : Wed Oct 15 07:47:13 2014



AutoFind: Scans 899, 900, 901; Background Corrected with Scan 890

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.7	243466	PASS
68	69	0.00	2	1.5	3676	PASS
69	198	0.00	100	40.5	242624	PASS
70	69	0.00	2	0.5	1186	PASS
127	198	40	60	49.5	296085	PASS
197	198	0.00	1	0.4	2342	PASS
198	198	100	100	100.0	598485	PASS
199	198	5	9	6.7	40381	PASS
275	198	10	30	22.0	131851	PASS
365	198	1	100	2.5	14764	PASS
441	443	0.01	100	74.3	75053	PASS
442	198	40	100	87.0	520853	PASS
443	442	17	23	19.4	101064	PASS

DWS 10-15-14

Average of 8.327 to 8.338 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
41.05	491	56.00	7310	66.95	287	79.00	15410
43.00	55	57.00	16894	68.00	3676	80.00	12452
45.00	481	58.00	872	69.00	242624	81.00	18323
46.90	4	58.85	169	70.00	1186	82.00	4630
48.05	175	59.90	51	71.00	68	83.00	4860
49.00	739	61.00	2871	73.05	1463	85.00	3969
50.00	58083	62.00	3128	74.00	21598	85.95	4090
51.00	243466	63.05	9483	75.00	37200	87.00	2207
52.05	12000	64.00	1309	76.10	12153	88.00	984
53.05	547	65.05	4837	77.10	277248	88.95	483
54.90	975	65.95	357	78.10	17719	91.00	3805

Average of 8.327 to 8.338 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	4327	103.00	3411	114.05	158	124.00	3324
93.00	24752	104.00	6086	115.00	265	125.10	3193
94.00	2122	105.00	5933	116.05	4132	126.10	1384
95.05	568	106.05	1884	117.00	48659	127.05	296085
96.05	1487	107.00	80867	118.00	3365	128.05	22055
96.95	444	108.00	12195	118.80	115	129.00	107747
98.00	18157	109.10	2131	119.05	435	130.00	9091
99.00	16071	110.00	159968	120.00	1092	131.05	1709
100.00	1418	111.00	22553	120.90	366	132.10	968
101.00	10443	112.00	2934	122.00	4822	132.95	389
102.00	615	113.05	828	123.00	7528	134.00	2475

Average of 8.327 to 8.338 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
135.00	8428	146.00	2058	156.10	10714	167.05	23539
136.00	3183	147.05	6094	157.10	2289	168.05	10380
137.10	4131	148.00	12823	158.05	2349	169.00	2027
137.95	844	149.00	2574	159.05	1618	170.00	745
139.00	395	150.00	790	160.05	3876	171.00	941
140.00	1200	151.10	1749	161.05	6184	172.00	2072
141.00	12289	151.70	800	162.05	1836	173.00	2684
142.05	4091	152.00	504	163.00	392	174.05	5004
143.05	2789	153.00	3956	164.00	675	175.10	9578
144.00	772	154.05	3053	165.00	4641	176.10	3097
145.05	744	155.10	7369	166.00	3674	177.05	4392

Average of 8.327 to 8.338 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
178.10	1493	189.00	3972	199.00	40381	211.05	4925
179.00	17816	190.05	746	200.05	3070	211.80	555
180.05	13018	191.05	1879	201.50	2840	213.00	314
181.10	6590	192.05	5704	203.00	3056	214.00	154
182.05	1020	193.10	6099	204.10	17326	214.95	1301
182.85	494	194.10	1430	205.10	30885	216.05	2497
184.05	1439	195.00	1033	206.10	134816	217.00	32123
185.10	8420	196.05	15353	207.05	16921	218.05	4157
186.10	72371	196.75	2019	208.05	4038	219.05	457
187.10	20366	197.10	2342	209.00	1240	221.05	32819
188.10	2050	198.00	598485	210.15	1877	223.05	7609

Average of 8.327 to 8.338 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
224.10	73397	235.00	2062	246.00	9476	257.05	3290
225.10	18855	236.00	1379	247.00	2107	258.05	13989
226.10	2129	237.05	2182	248.00	505	259.05	2559
227.10	26680	238.00	398	249.05	2191	260.00	438
228.05	3907	239.00	1039	250.00	457	261.05	446
229.00	6168	240.00	827	251.05	485	262.10	61

230.00	917	241.00	1572	252.00	535	263.10	54
231.10	2911	242.05	3653	253.05	1209	264.05	440
232.10	440	243.05	3716	254.10	1888	265.05	5235
233.05	599	244.10	60120	255.10	285803	266.05	821
234.05	1626	245.10	7613	256.05	41304	267.00	69

Average of 8.327 to 8.338 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
267.90	181	278.90	215	292.10	516	305.00	73
269.95	344	279.10	193	293.00	2517	308.05	508
270.90	239	281.80	79	294.00	520	308.95	328
271.05	516	282.05	211	295.10	635	309.95	435
272.00	880	283.00	1193	296.10	30259	310.90	67
273.05	9119	284.00	792	297.05	4165	313.00	279
274.05	22357	285.05	1885	298.05	287	314.05	1592
275.10	131851	286.00	304	301.10	459	315.05	3519
276.10	18121	289.00	427	302.05	615	316.05	2116
277.05	8970	290.05	333	303.05	4226	317.05	426
278.00	1536	290.95	253	304.05	1108	319.90	77

Average of 8.327 to 8.338 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
321.05	1046	333.05	1129	352.10	3432	369.95	296
322.05	562	334.10	7057	353.10	2658	371.05	1059
323.10	12222	335.10	1950	354.05	3878	372.10	6592
324.05	2238	336.05	245	355.10	746	373.05	1671
325.05	197	338.90	115	358.95	226	373.95	134
326.05	169	339.95	162	361.00	73	374.20	64
327.00	1896	341.05	1249	363.80	57	376.90	82
328.00	1188	342.05	538	364.10	97	383.05	1619
329.10	113	346.00	2486	365.00	14764	383.90	123
330.00	54	347.00	359	366.05	1966	384.05	303
332.00	901	350.95	159	366.95	124	385.05	183

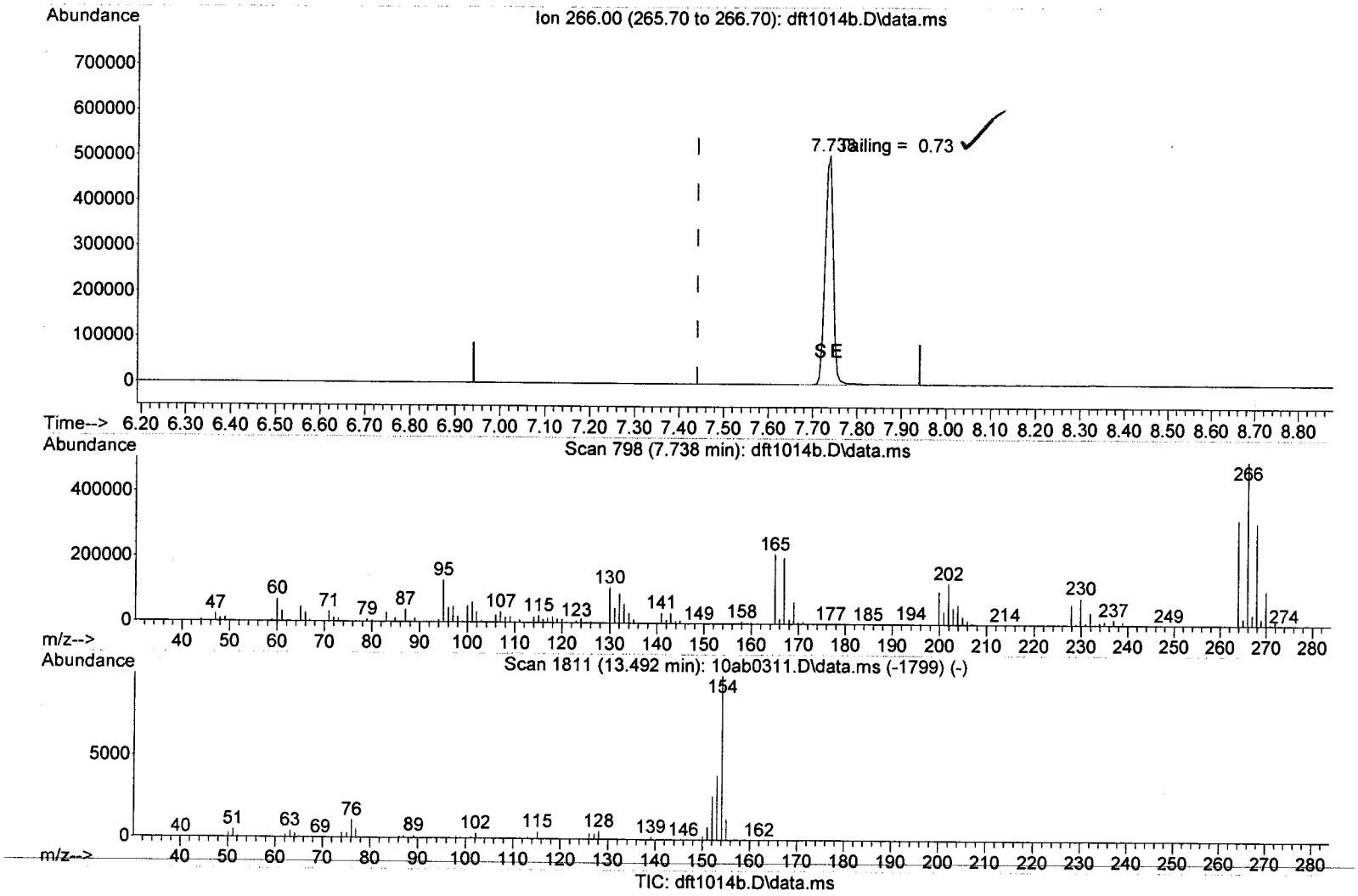
Average of 8.327 to 8.338 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
390.10	824	415.00	112				
391.10	686	421.05	3459				
391.95	409	422.10	3303				
397.00	55	423.10	26699				
400.95	386	424.05	5145				
402.05	2685	425.05	535				
403.05	3640	441.10	75053				
404.05	1252	442.10	520853				
405.00	146	443.10	101064				
409.80	53	444.10	9898				
410.10	71	445.05	580				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414_339\
Data File : dft1014b.D
Acq On : 14 Oct 2014 7:43
Operator : JLB
Sample : dft1014b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 08:25:09 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



(1) Pentachlorophenol

7.738min (+ 0.297) 1.69 ng/uL

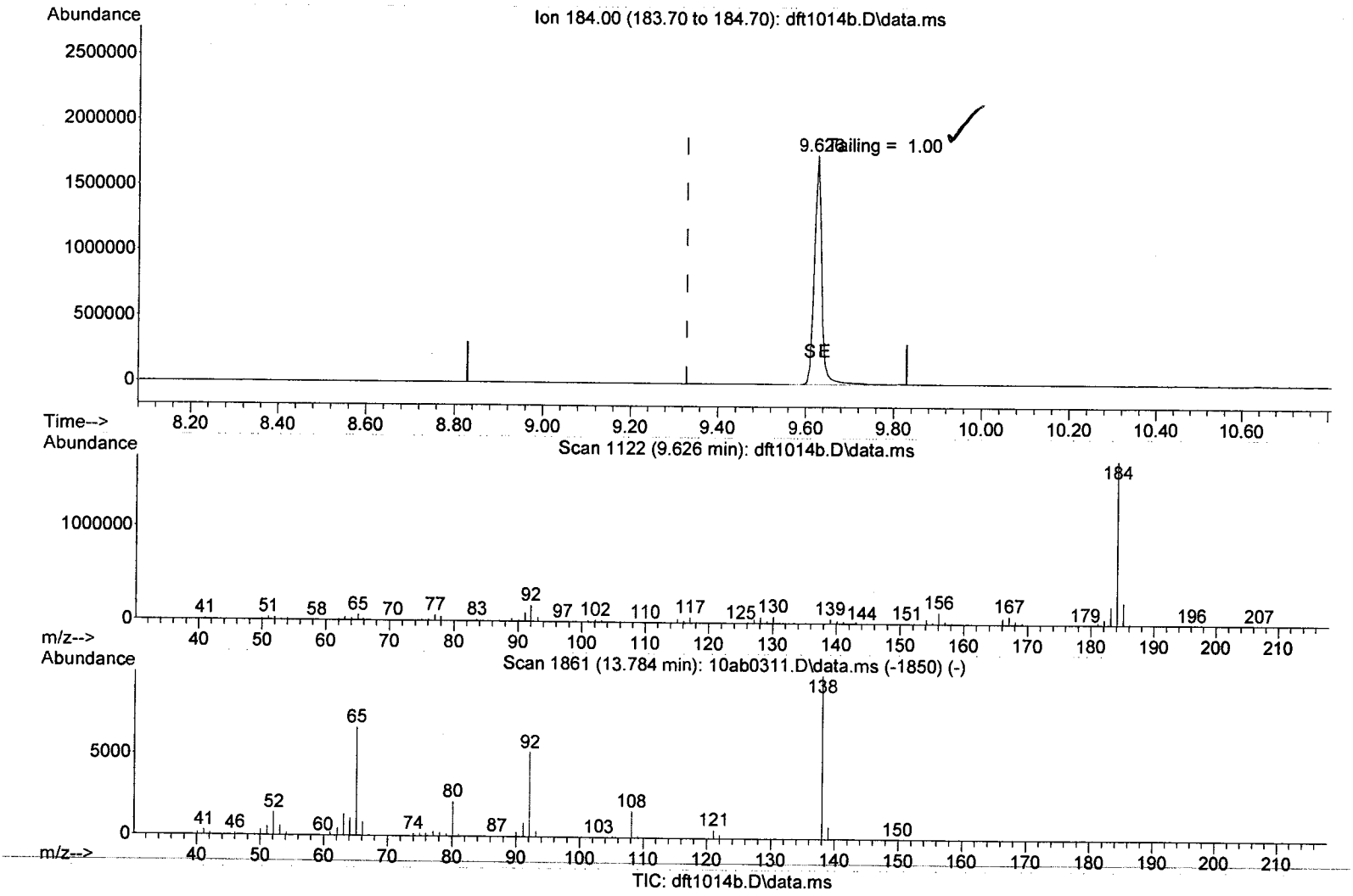
response 643111

Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414_339\
Data File : dft1014b.D
Acq On : 14 Oct 2014 7:43
Operator : JLB
Sample : dft1014b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 08:25:09 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



(2) Benzidine

9.626min (+ 0.297) 10.16 ng/uL

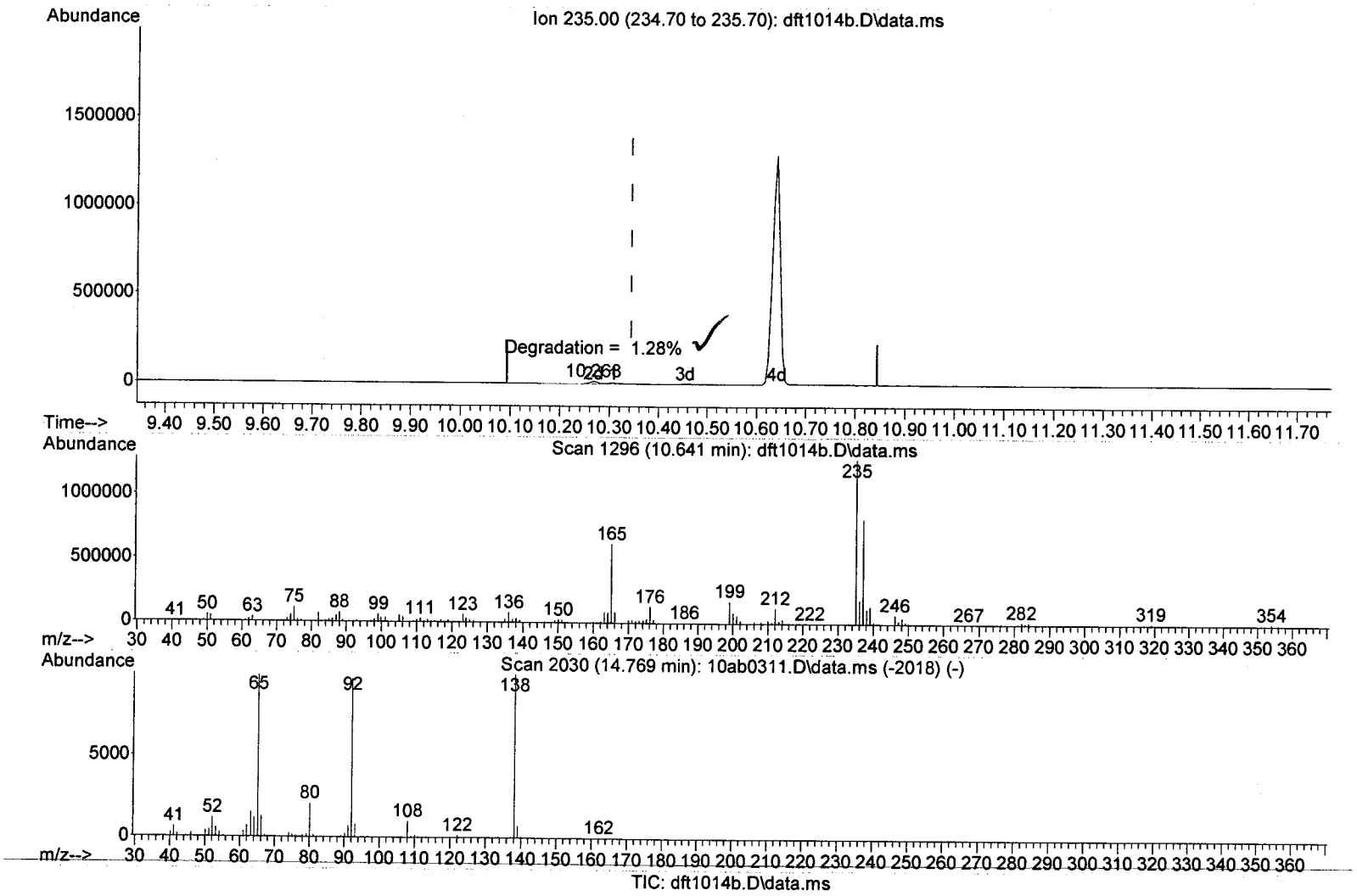
response 2084939

Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414_339\
Data File : dft1014b.D
Acq On : 14 Oct 2014 7:43
Operator : JLB
Sample : dft1014b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 08:25:09 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



(3) 4-DDT

10.641min (+ 0.297) 9.60 ng/uL m

response 1406249

Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

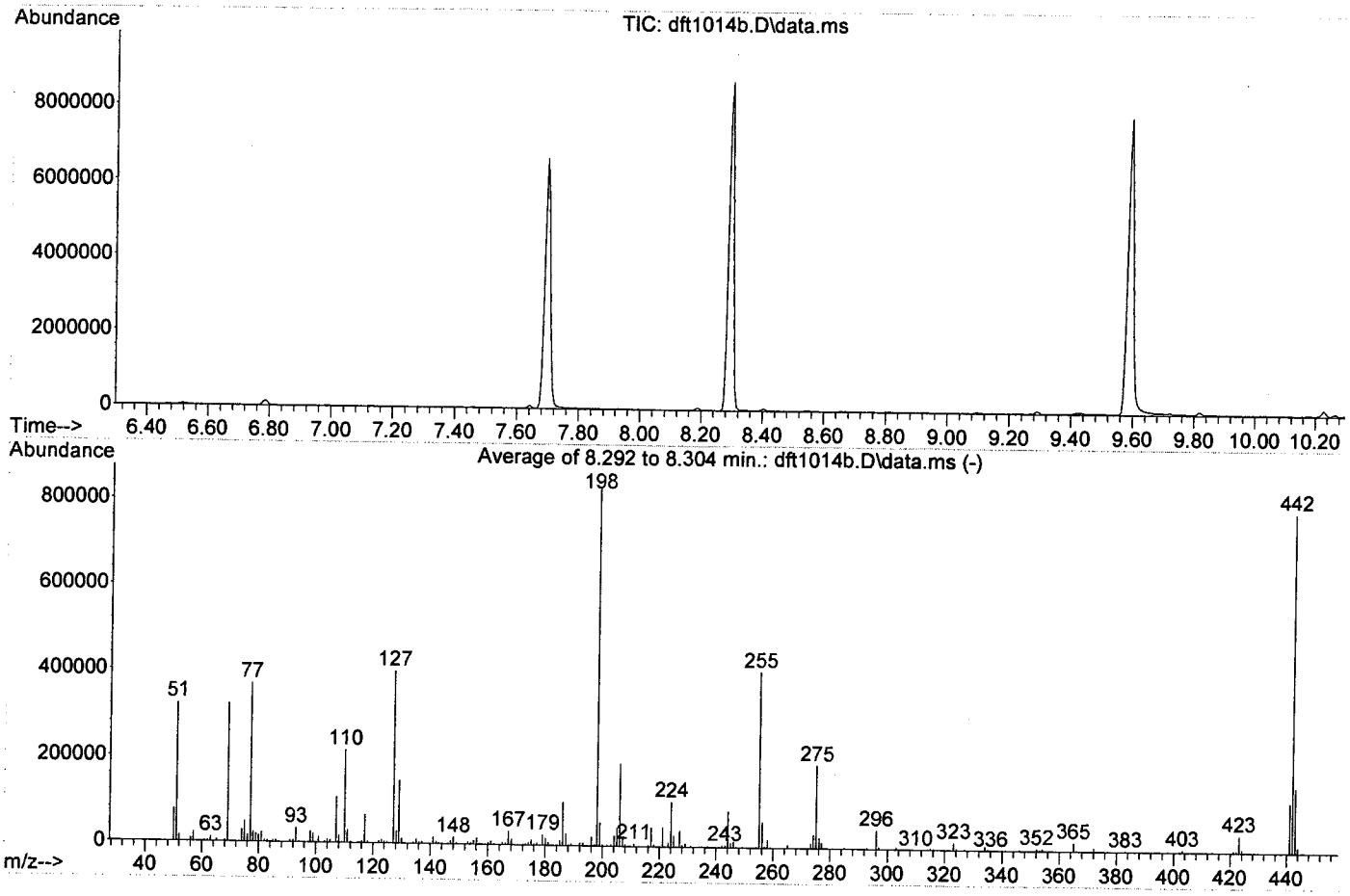
DFTPP

Data Path : C:\msdchem\1\data\101414b_339\
Data File : dft1014b.D
Acq On : 14 Oct 2014 13:18
Sample : dft1014b
Misc :
ALS Vial : 1 Sample Multiplier: 1

Operator: JLB
Inst : 339

Integration File: lscint.p

Method : C:\msdchem\1\methods\tail&degrad.M
Title : 8270/625 BNA
Last Update : Wed Sep 10 08:14:34 2014



AutoFind: Scans 893, 894, 895; Background Corrected with Scan 884

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.7	323080	PASS
68	69	0.00	2	1.4	4568	PASS
69	198	0.00	100	38.7	323349	PASS
70	69	0.00	2	0.4	1443	PASS
127	198	40	60	48.0	400491	PASS
197	198	0.00	1	0.5	4310	PASS
198	198	100	100	100.0	834795	PASS
199	198	5	9	6.7	55757	PASS
275	198	10	30	23.1	193045	PASS
365	198	1	100	2.5	20764	PASS
441	443	0.01	100	76.5	116181	PASS
442	198	40	100	94.5	789291	PASS
443	442	17	23	19.3	151955	PASS

DWS
10-15-14

Average of 8.292 to 8.304 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
40.95	489	57.00	22980	67.20	119	79.00	20518
42.95	139	57.95	889	68.00	4568	80.00	16886
45.00	719	58.95	275	69.00	323349	81.00	24314
48.00	145	59.95	170	70.05	1443	82.00	5852
48.95	954	61.00	3990	70.90	51	83.00	5861
50.00	77483	62.00	4310	73.00	2092	83.95	165
51.00	323080	63.05	12654	74.00	29874	85.00	5197
52.00	16169	64.00	1676	75.00	49352	85.95	5912
53.05	673	65.05	6349	76.10	16802	87.00	3101
55.00	1324	66.00	332	77.05	368690	88.00	1494
56.00	9816	66.90	151	78.05	24733	89.05	516

Average of 8.292 to 8.304 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.00	100	100.05	2016	111.00	31168	121.05	467
91.00	5145	101.00	14262	112.00	3717	122.05	6414
92.00	5633	102.05	833	113.10	1223	123.00	9840
93.00	34038	103.00	4511	114.10	265	124.00	4782
94.05	2563	104.00	8546	114.40	52	125.00	4520
95.00	676	105.00	7788	115.00	385	126.10	320
96.10	1821	106.00	2518	116.05	5792	127.10	400491
97.00	337	107.00	108061	117.00	67264	128.10	29154
97.20	286	108.00	17429	118.00	5052	129.00	147432
98.00	26173	109.00	2678	119.05	830	130.00	12124
99.00	22142	110.00	217053	120.00	1242	131.05	2212

Average of 8.292 to 8.304 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
132.05	1336	142.05	5659	152.20	147	163.00	630
132.80	88	143.05	3930	153.00	5478	164.00	970
133.05	361	144.05	1057	154.00	4495	165.00	6071
134.00	4091	145.10	1151	155.10	10021	166.05	5128
135.05	11829	146.05	2736	156.10	15144	167.00	32183
136.10	4314	147.05	8390	157.05	3214	168.10	14804
137.05	5538	148.00	16771	158.00	3060	169.05	2800
137.95	1397	149.05	3669	159.05	2475	170.00	553
139.00	713	150.00	1086	160.05	5329	170.20	512
140.00	1734	151.10	2181	161.10	8519	171.05	1561
141.00	16703	152.00	1092	162.10	2384	172.05	2853

Average of 8.292 to 8.304 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.05	3768	184.00	2062	195.05	1397	206.10	192187
174.05	7248	185.10	12219	196.10	21740	207.10	24034
175.10	13441	186.10	101093	196.70	877	208.00	5452
176.10	4441	187.10	28119	197.10	4310	209.00	1420
177.05	6633	188.10	2926	198.00	834795	210.00	469
178.05	2074	189.00	5339	199.00	55757	210.30	1177
179.00	25781	190.00	965	200.00	4276	211.10	7011
180.10	17538	191.10	2517	201.60	3773	212.00	460
181.10	8282	192.00	8246	203.00	4403	213.00	440
182.05	1275	193.10	8216	204.10	25308	213.95	163
183.00	773	194.10	1895	205.10	43856	215.00	1689

Average of 8.292 to 8.304 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
216.10	3632	229.05	8618	239.95	1237	251.00	737
217.00	45173	230.05	1057	241.05	2182	252.10	875
218.00	5925	231.05	4013	242.05	5319	253.00	1612
219.05	683	232.05	747	243.10	5413	254.10	2624
221.10	46123	233.05	755	244.10	84381	255.10	408064
223.00	10247	234.05	2393	245.10	11158	256.10	60341

224.10	105323	235.00	2899	246.05	14006	257.05	4287
225.10	26701	236.05	1835	247.05	2723	258.05	19694
226.10	2701	237.05	2992	248.00	755	259.00	3165
227.10	37819	238.00	454	249.05	3085	260.00	604
228.05	4971	239.00	1423	250.00	697	261.05	866

Average of 8.292 to 8.304 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
262.00	79	270.05	398	281.10	56	293.00	3534
263.00	130	270.95	1117	282.05	333	294.10	724
263.20	70	272.00	1218	283.00	1593	295.00	872
264.05	613	273.10	11975	284.05	1036	296.10	44037
265.10	7882	274.05	32664	285.10	2683	297.05	6129
265.90	209	275.10	193045	286.05	505	298.15	420
266.05	823	276.10	25232	288.05	235	298.95	147
266.90	79	277.05	13957	289.00	542	301.00	647
267.10	57	278.10	2088	289.95	476	302.05	803
268.00	141	279.00	488	291.00	374	303.10	6151
269.10	65	280.90	56	291.95	562	304.05	1734

Average of 8.292 to 8.304 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
305.00	152	316.05	3010	328.05	1721	343.10	60
307.00	57	317.00	706	328.95	252	346.00	3148
307.95	539	319.20	61	332.00	1273	347.05	549
308.95	461	319.95	312	333.10	1580	350.10	66
310.00	659	321.05	1465	334.10	10557	350.80	114
311.05	142	322.05	815	335.10	2779	351.05	214
311.80	65	323.10	17445	336.05	351	352.10	5121
312.20	51	324.10	3374	339.10	218	353.10	3732
313.05	489	325.00	292	340.10	271	354.10	5691
314.05	2298	326.00	350	341.10	2022	355.05	936
315.05	4754	327.05	2844	342.05	560	359.05	396

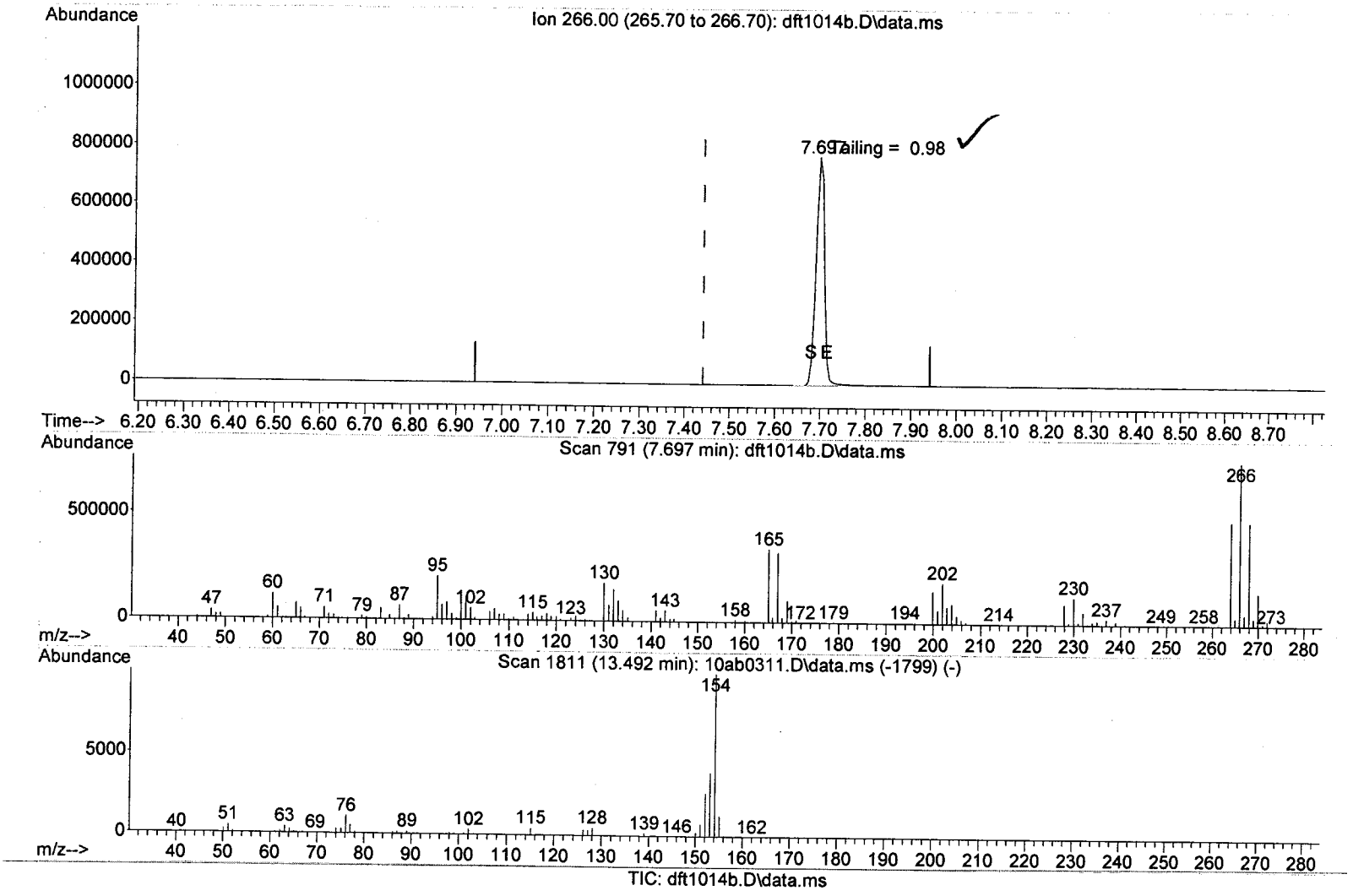
Average of 8.292 to 8.304 min.: dft1014b.D\data.ms
dft1014b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
360.90	144	383.05	2432	404.00	2218	441.10	116181
364.05	164	384.00	698	405.00	369	442.10	789291
365.00	20764	384.95	228	409.95	197	443.10	151955
366.05	2856	390.10	1208	414.95	309	444.10	13795
366.90	185	391.05	1059	419.90	61	445.05	657
370.05	511	392.05	681	421.10	5398		
371.05	1519	393.10	91	422.05	4848		
372.10	9616	397.10	64	423.05	39563		
373.05	2348	400.95	530	424.10	8012		
374.05	366	402.05	3735	425.10	693		
376.95	217	403.05	5912	438.10	53		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : dft1014b.D
Acq On : 14 Oct 2014 13:18
Operator : JLB
Sample : dft1014b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 07:48:20 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1014b.D\data.ms

(1) Pentachlorophenol

7.697min (+ 0.256) 2.61 ng/uL

response 993697

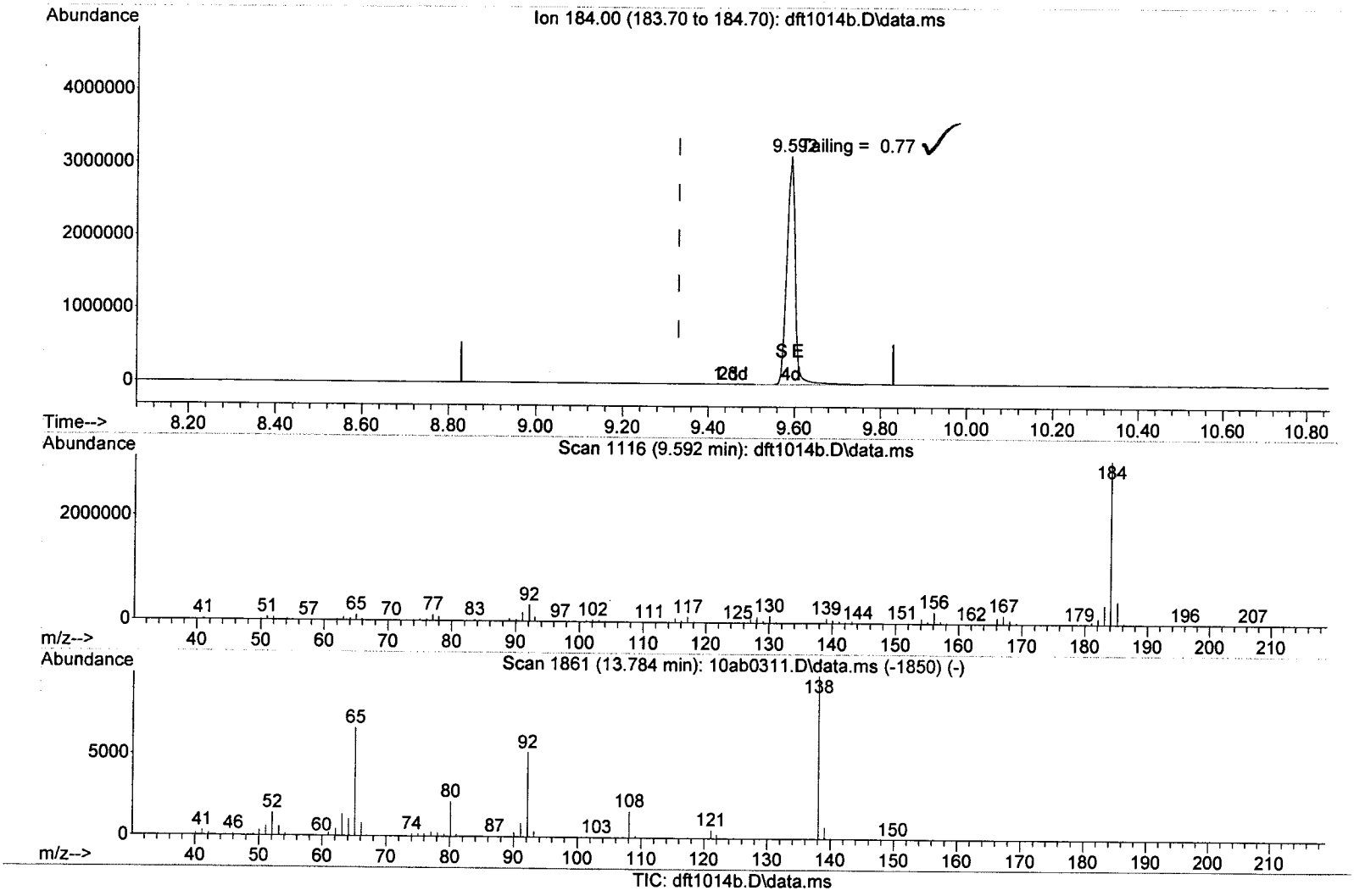
Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

004359

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : dft1014b.D
Acq On : 14 Oct 2014 13:18
Operator : JLB
Sample : dft1014b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 07:48:20 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



(2) Benzidine

9.592min (+ 0.262) 27.11 ng/uL m

response 4234336

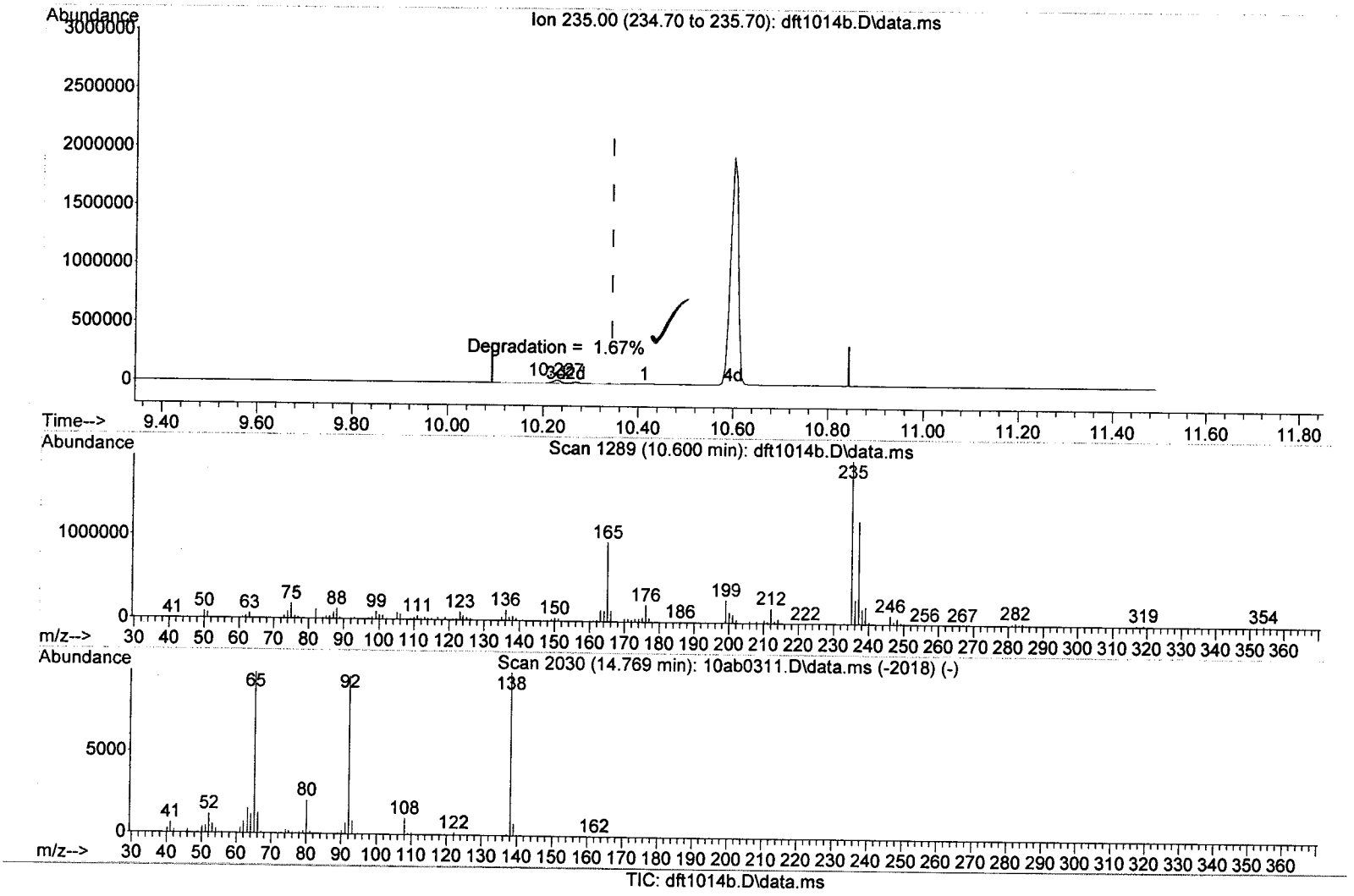
Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

004360

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414b_339\
Data File : dft1014b.D
Acq On : 14 Oct 2014 13:18
Operator : JLB
Sample : dft1014b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 07:48:20 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1014b.D\data.ms

(3) 4-DDT

10.600min (+ 0.256) 16.56 ng/uL m

response 2269915

Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

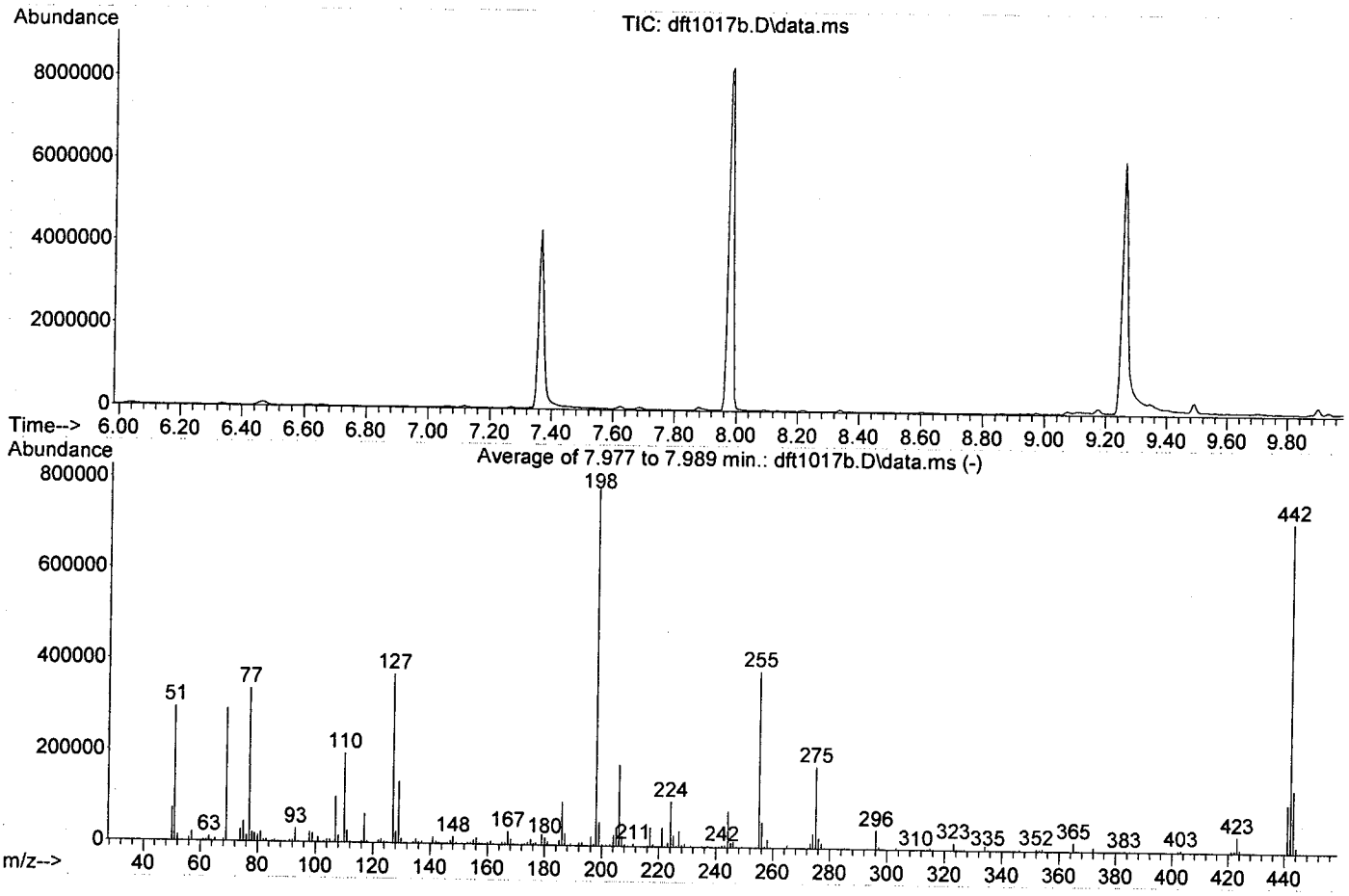
DFTPP

Data Path : C:\msdchem\1\data\101714_339\
Data File : dft1017b.D
Acq On : 17 Oct 2014 7:50
Sample : dft1017b
Misc :
ALS Vial : 1 Sample Multiplier: 1

Operator: JLB
Inst : 339

Integration File: lscint.p

Method : C:\msdchem\1\methods\tail&degrad.M
Title : 8270/625 BNA
Last Update : Wed Sep 10 08:14:34 2014



AutoFind: Scans 839, 840, 841; Background Corrected with Scan 830

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.7	296479	PASS
68	69	0.00	2	1.5	4506	PASS
69	198	0.00	100	37.1	292175	PASS
70	69	0.00	2	0.5	1441	PASS
127	198	40	60	47.1	370829	PASS
197	198	0.00	1	0.5	4082	PASS
198	198	100	100	100.0	787179	PASS
199	198	5	9	6.7	52621	PASS
275	198	10	30	22.8	179435	PASS
365	198	1	100	2.5	19755	PASS
441	443	0.01	100	77.6	107128	PASS
442	198	40	100	91.7	721643	PASS
443	442	17	23	19.1	138021	PASS

ASC 10/21/14

Average of 7.977 to 7.989 min.: dft1017b.D\data.ms
dft1017b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
41.00	347	57.95	956	69.00	292175	79.00	19522
45.00	577	59.00	345	70.05	1441	80.00	15846
47.95	144	60.00	271	71.00	31	81.00	22439
49.00	1440	61.00	3887	71.85	116	82.00	5632
50.00	72702	62.00	3963	72.10	85	83.00	6005
50.95	296479	63.00	12030	73.00	1747	84.00	403
52.00	15297	64.00	1725	74.00	27193	85.00	3666
53.00	586	65.05	6349	75.00	45815	85.95	5575
55.00	884	66.00	256	76.10	15255	86.95	2890
56.00	8439	66.90	190	77.10	336371	88.00	1176
57.00	21019	68.00	4506	78.10	22367	89.00	631

Average of 7.977 to 7.989 min.: dft1017b.D\data.ms
dft1017b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.00	52	100.95	12448	112.00	3604	121.00	576
91.00	4977	102.00	768	112.80	1	122.00	6212
92.00	5452	103.00	4214	113.05	946	123.00	9716
93.00	31025	104.00	7745	114.15	257	124.05	4458
94.05	2444	105.00	7454	114.80	62	125.05	3791
95.00	516	106.10	2395	115.05	324	126.10	1012
96.00	1645	107.00	101392	116.00	5072	127.10	370829
97.10	516	108.00	16034	117.00	64731	128.10	26209
98.00	23981	109.10	2954	118.00	5025	129.00	136032
99.00	20630	110.00	196693	118.95	598	129.95	11283
100.00	1826	111.00	28030	120.00	1312	131.00	2094

Average of 7.977 to 7.989 min.: dft1017b.D\data.ms
dft1017b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
132.05	1372	143.00	3610	153.05	5081	164.05	924
132.80	374	144.10	1045	154.05	4029	165.00	5623
134.00	3596	145.05	809	155.10	9568	166.10	4512
135.00	10341	146.00	2967	156.10	14246	167.05	29331
136.00	4336	147.05	8010	157.10	2795	168.10	13268
137.10	5256	148.00	16414	158.05	2761	169.10	2870
138.00	1094	149.05	3793	159.05	2529	170.00	1025
139.05	461	150.05	1089	160.05	4900	171.05	1447
139.95	1365	151.10	1993	161.10	7282	172.00	2610
140.95	15609	151.80	636	162.05	2145	173.00	3587
142.10	5445	152.10	729	163.05	650	174.05	6363

Average of 7.977 to 7.989 min.: dft1017b.D\data.ms
dft1017b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
175.10	13296	186.10	95600	196.80	526	208.05	5161
176.10	4368	187.10	27323	197.10	4082	209.10	1813
177.00	5904	188.10	2580	198.00	787179	210.30	1256
178.05	1888	189.00	5070	199.00	52621	211.10	6829
179.00	23879	190.00	831	200.10	3997	212.95	485
180.10	17016	191.05	2397	201.55	3598	214.05	198
181.10	7981	192.00	7340	203.00	4489	215.00	1814
182.10	1289	193.10	8008	204.10	24913	216.05	3216
183.05	710	194.10	1855	205.10	41845	217.00	42835
184.10	2044	195.05	1180	206.10	179368	218.00	5367
185.10	11787	196.05	20540	207.10	22141	219.05	621

Average of 7.977 to 7.989 min.: dft1017b.D\data.ms
dft1017b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
221.05	42765	233.00	676	244.10	80189	255.10	385984
223.05	9866	234.05	2327	245.10	10974	256.10	57125
224.10	100128	235.00	2821	246.00	13311	257.05	4145
225.10	25458	236.10	2111	247.05	2800	258.10	19318
226.05	2578	237.05	3230	248.00	772	259.00	2968
227.10	35709	238.05	556	249.00	2872	260.00	541

228.05	5004	239.00	1432	250.00	633	261.00	709
229.00	7922	240.05	1272	251.00	677	262.95	130
229.95	1148	241.00	2137	252.05	753	263.85	392
231.10	3767	242.10	4745	253.05	1687	265.00	7468
232.00	600	243.10	5222	254.10	2766	266.05	1583

Average of 7.977 to 7.989 min.: dft1017b.D\data.ms
dft1017b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
266.95	160	278.05	2056	290.00	649	301.05	340
267.80	36	279.00	472	291.00	374	301.90	313
269.00	76	280.85	115	292.05	800	302.05	513
269.95	498	281.95	323	293.10	3020	303.10	5170
271.00	787	283.05	1447	294.00	873	304.10	1517
272.05	1019	284.05	987	295.10	745	305.10	204
273.10	11739	285.10	2582	296.10	42424	307.00	58
274.05	32171	286.00	393	297.05	5868	308.05	663
275.10	179435	287.90	103	298.00	424	309.10	394
276.10	23480	288.10	149	299.10	53	310.00	744
277.10	12734	289.05	561	300.90	201	311.05	162

Average of 7.977 to 7.989 min.: dft1017b.D\data.ms
dft1017b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
312.95	347	325.10	174	339.80	105	355.05	1210
314.10	2337	326.05	317	340.20	155	359.00	378
315.00	4972	327.00	2816	341.05	1927	360.80	52
316.05	2939	328.00	1564	342.05	521	361.10	65
317.00	446	329.05	276	346.05	3472	363.90	92
317.20	71	332.05	1243	347.05	512	365.00	19755
320.05	184	333.05	1406	350.00	77	366.00	3051
321.10	1775	334.10	9985	351.05	322	366.90	208
322.05	649	335.10	2802	352.10	5025	370.05	446
323.10	16792	336.10	328	353.10	3402	371.10	1271
324.10	2912	338.90	241	354.10	5750	372.10	9671

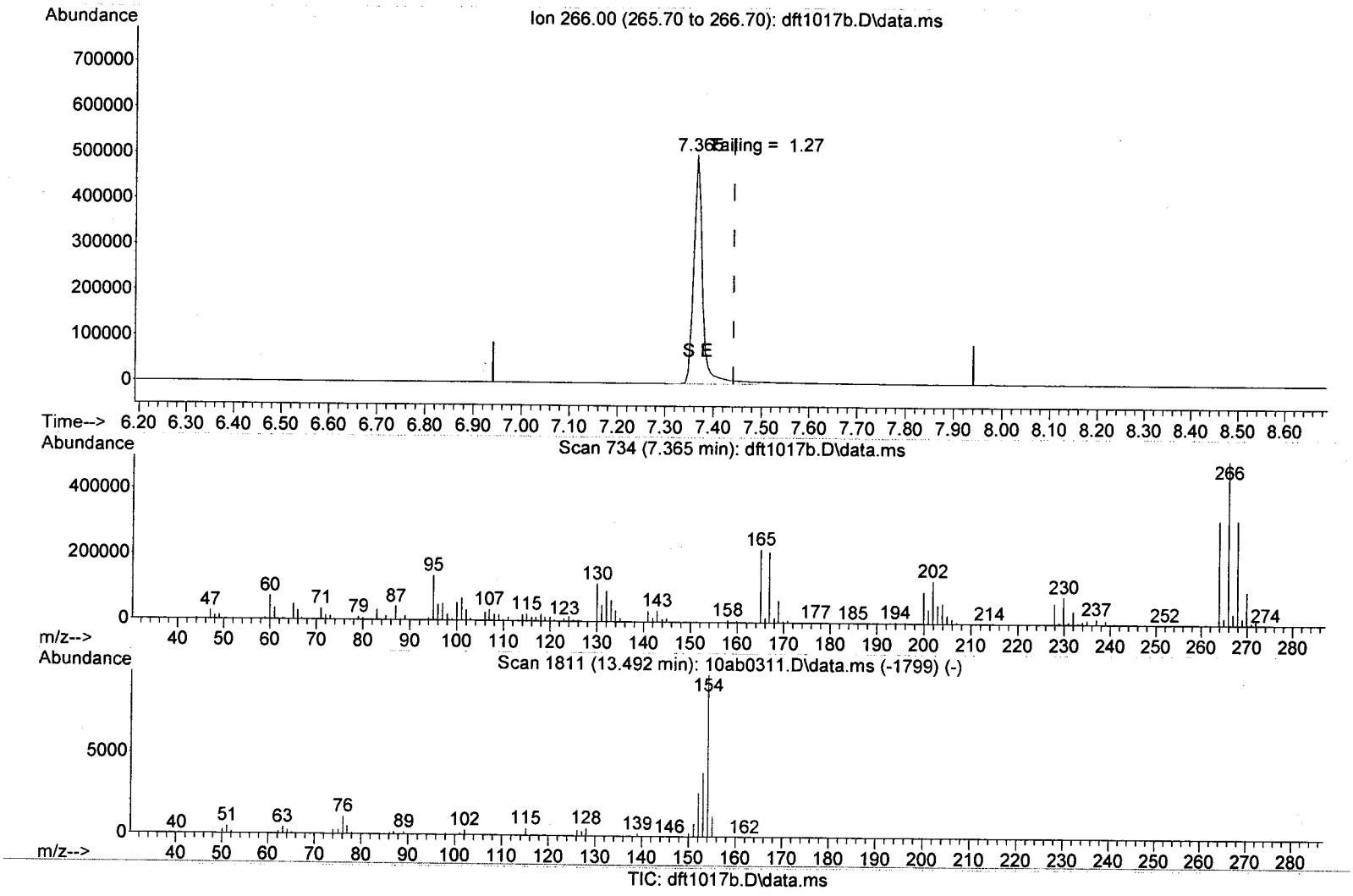
Average of 7.977 to 7.989 min.: dft1017b.D\data.ms
dft1017b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
373.10	2147	397.00	57	422.10	4821		
374.05	231	401.00	635	423.10	36440		
376.95	259	402.10	3810	424.10	7706		
378.00	52	403.10	5510	425.00	623		
383.00	2509	404.00	1823	441.10	107128		
384.10	750	405.00	251	442.10	721643		
385.10	99	409.90	115	443.10	138021		
390.00	1299	410.20	52	444.10	13000		
391.05	886	414.90	87	445.10	721		
392.05	598	415.10	93				
395.20	51	421.10	4765				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : dft1017b.D
Acq On : 17 Oct 2014 7:50
Operator : JLB
Sample : dft1017b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 17 09:04:56 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1017b.D\data.ms

(1) Pentachlorophenol

7.365min (-0.076) 1.74 ng/uL

response 664704

Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

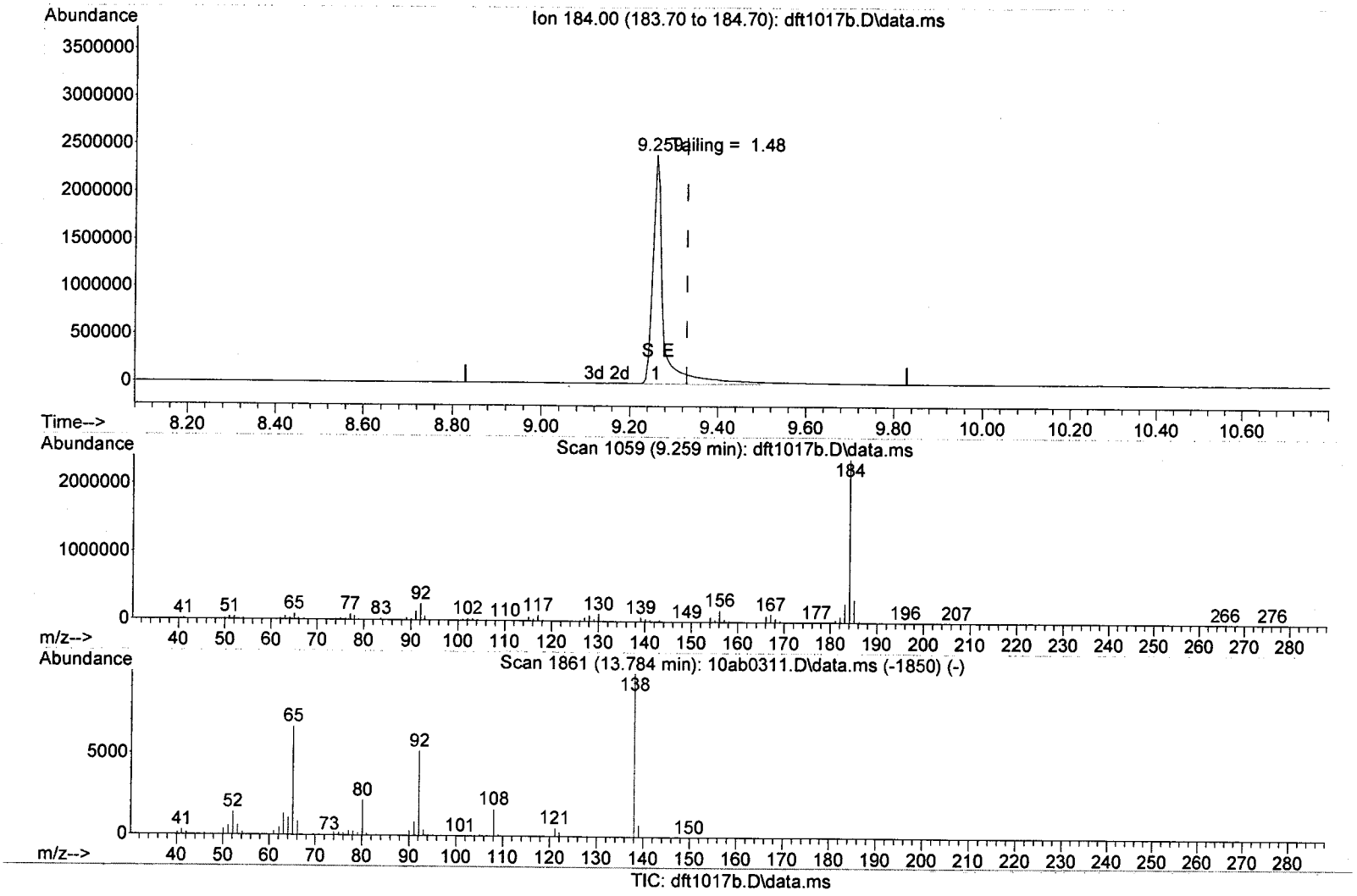
ASC 10/21/14

004365

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : dft1017b.D
Acq On : 17 Oct 2014 7:50
Operator : JLB
Sample : dft1017b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 17 09:04:56 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



(2) Benzidine

9.259min (-0.070) 26.12 ng/uL

response 4108871

Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

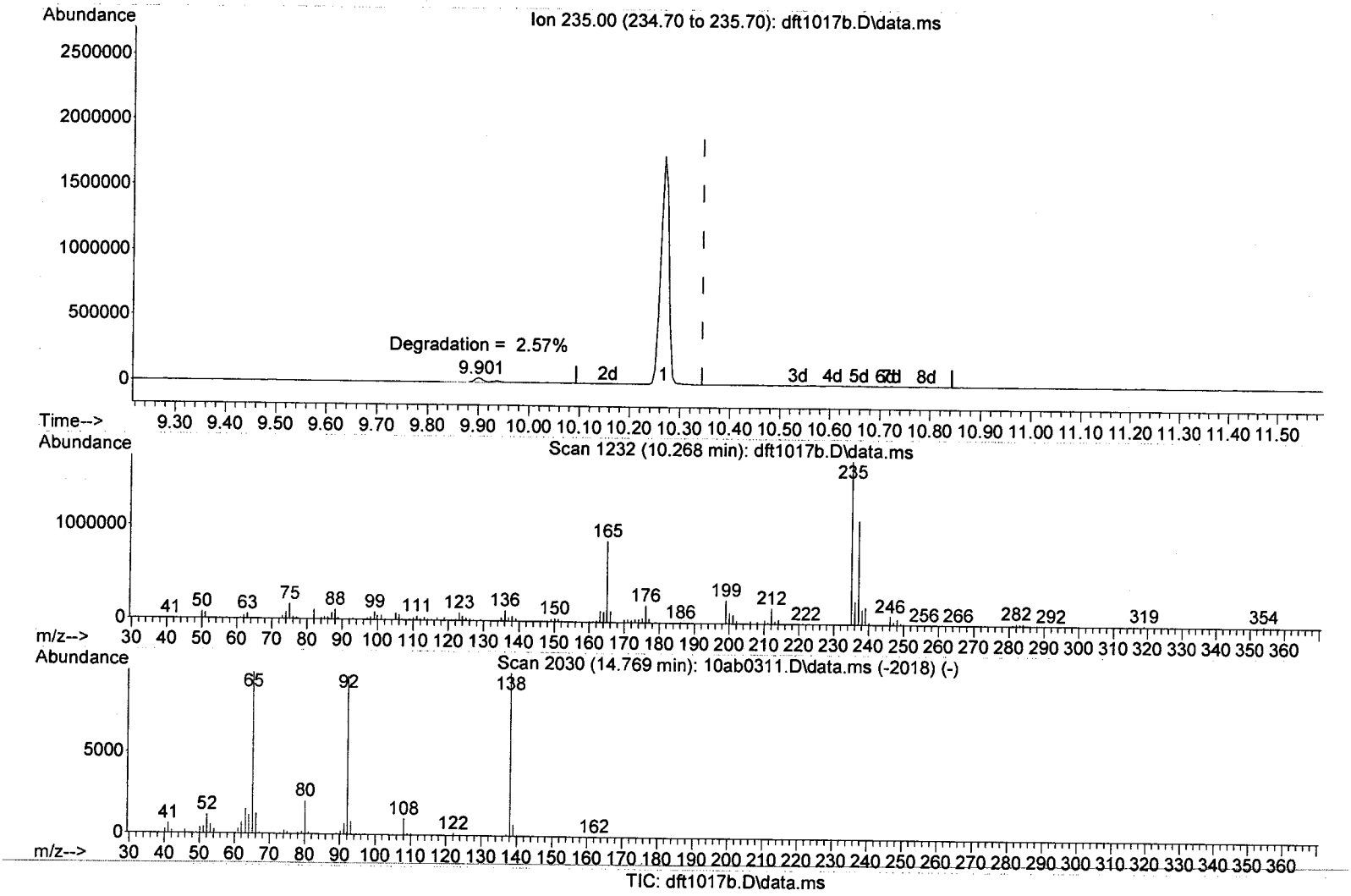
ASC 10/21/14

004366

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : dft1017b.D
Acq On : 17 Oct 2014 7:50
Operator : JLB
Sample : dft1017b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 17 09:04:56 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1017b.D\data.ms

(3) 4-DDT

10.268min (-0.076) 14.38 ng/uL

response 1999644

Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ASC 10/21/14

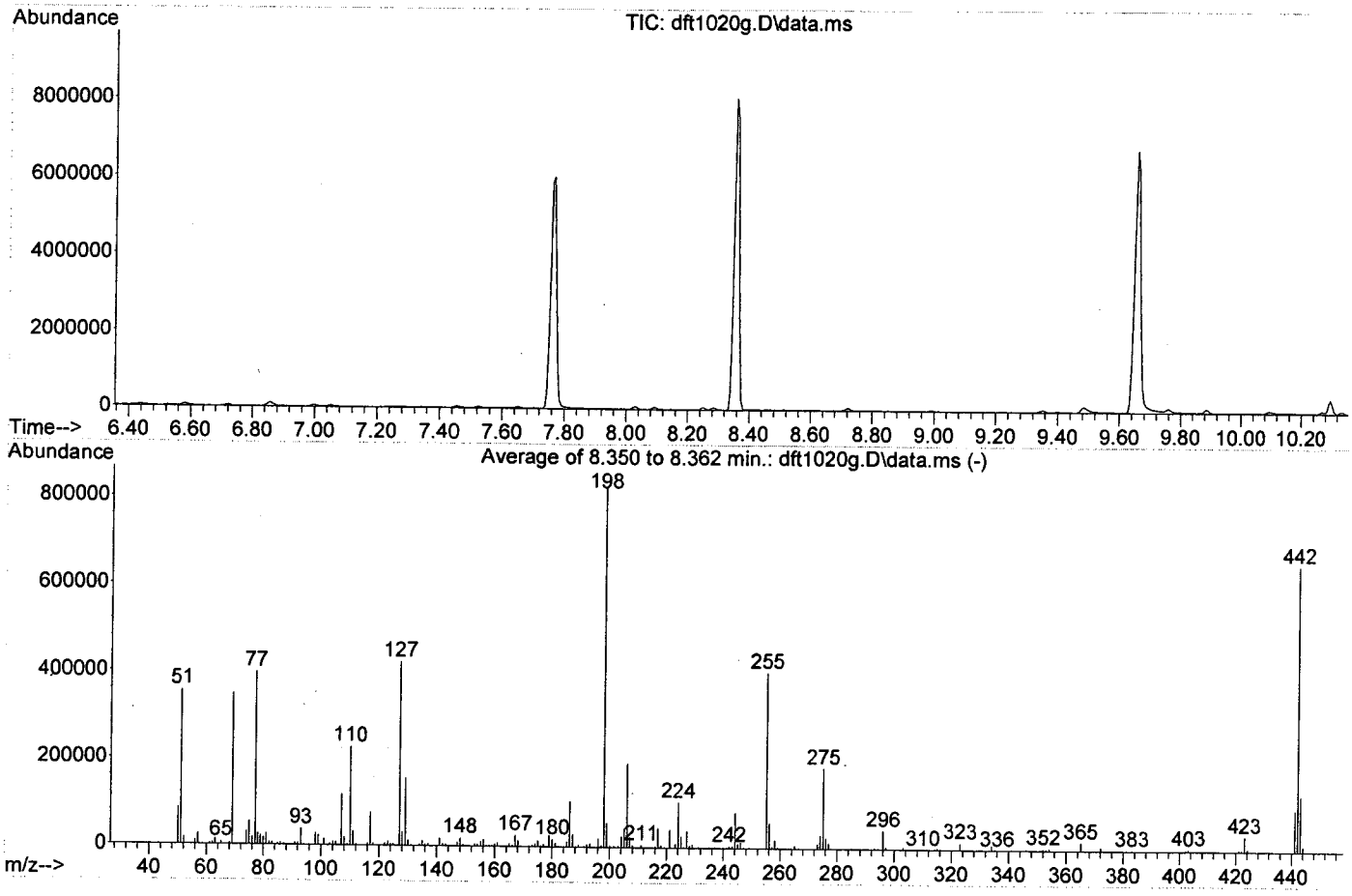
004367

DFTPP

Data Path : C:\msdchem\1\data\102014a_339\
Data File : dft1020g.D
Acq On : 20 Oct 2014 17:23 Operator: JLB
Sample : dft1020g Inst : 339
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\tail&degrad.M
Title : 8270/625 BNA
Last Update : Wed Sep 10 08:14:34 2014



AutoFind: Scans 903, 904, 905; Background Corrected with Scan 894

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.0	355763	PASS
68	69	0.00	2	1.5	5249	PASS
69	198	0.00	100	42.4	350251	PASS
70	69	0.00	2	0.5	1848	PASS
127	198	40	60	51.1	422272	PASS
197	198	0.00	1	0.6	4821	PASS
198	198	100	100	100.0	826859	PASS
199	198	5	9	6.8	56083	PASS
275	198	10	30	22.4	185451	PASS
365	198	1	100	2.4	19500	PASS
441	443	0.01	100	75.2	95397	PASS
442	198	40	100	79.1	653995	PASS
443	442	17	23	19.4	126920	PASS

ASC 10/21/14

004368

Average of 8.350 to 8.362 min.: dft1020g.D\data.ms
dft1020g
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
40.10	575	57.00	25693	68.00	5249	79.00	23003
40.95	356	57.95	1109	69.00	350251	80.00	17883
45.00	564	59.00	284	70.00	1848	81.00	27152
48.00	93	59.95	286	71.00	193	82.00	6889
48.95	1349	61.00	4309	72.05	136	83.00	6371
50.00	85892	62.00	4836	73.00	1961	85.00	4688
51.00	355763	63.00	13951	74.00	31525	86.00	6393
52.05	17738	64.00	2025	75.00	55221	87.00	3406
53.00	849	65.00	7254	76.05	18116	87.95	1272
54.95	1534	66.00	401	77.10	398677	88.95	636
56.00	10528	67.00	406	78.05	26581	89.90	72

Average of 8.350 to 8.362 min.: dft1020g.D\data.ms
dft1020g
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.95	5934	102.00	857	113.05	1266	123.05	11164
92.00	6201	103.00	5001	114.00	3	124.00	5210
93.00	38299	104.00	9307	114.20	123	125.00	5012
94.00	2818	105.00	8751	115.15	298	126.10	1206
95.05	584	106.05	2719	116.05	6232	127.10	422272
96.00	2166	107.00	117667	117.00	76661	128.05	31800
97.05	776	108.00	18867	118.00	5644	129.05	155219
98.00	28312	109.05	3336	119.00	805	130.05	13371
99.00	24040	110.00	227691	120.05	1302	131.05	2463
100.05	2193	111.05	33459	120.95	473	132.05	1498
101.00	15016	112.00	3898	122.05	6634	133.05	448

Average of 8.350 to 8.362 min.: dft1020g.D\data.ms
dft1020g
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
134.00	4009	145.00	1074	155.10	10825	166.05	3888
135.00	12499	146.00	3102	156.10	16227	167.05	26596
136.00	5079	147.05	9098	157.10	3276	168.10	14539
137.05	5718	148.00	18975	158.05	3485	169.05	2614
138.00	1227	149.05	4027	159.05	2583	170.05	1072
139.05	66	150.05	1035	160.00	5520	171.05	1537
140.05	1075	151.15	2365	161.05	8565	172.00	2896
141.00	17920	151.70	542	162.05	2326	173.05	4013
142.05	6072	152.10	481	163.05	721	174.10	6939
143.00	4246	153.00	6075	163.95	780	175.10	14239
144.05	1083	154.05	4722	165.05	6400	176.05	4397

Average of 8.350 to 8.362 min.: dft1020g.D\data.ms
dft1020g
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.00	6619	188.10	2954	198.00	826859	211.10	6757
178.05	2086	189.05	5528	199.00	56083	211.80	353
179.00	26493	190.05	900	200.05	4017	212.95	524
180.10	18428	191.10	2828	201.55	3638	213.90	166
181.10	9064	192.05	7570	203.05	4597	214.10	76
182.10	1591	193.10	8886	204.10	25851	215.10	2118
183.05	807	194.10	1796	205.10	44264	216.05	3733
184.05	2111	195.05	1334	206.10	192555	217.00	45595
185.10	13316	196.10	21167	207.10	24584	218.05	6103
186.10	104472	196.70	1783	208.05	5672	219.00	601
187.10	29419	197.05	4821	209.05	1758	221.10	42368

Average of 8.350 to 8.362 min.: dft1020g.D\data.ms
dft1020g
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.05	10454	234.05	2259	245.10	10659	256.10	58328
224.10	104739	235.05	3027	246.10	13930	257.10	4708
225.10	26659	236.00	1902	247.05	2782	258.05	20115
226.05	2646	237.05	3223	248.00	823	259.05	3335
227.10	39851	238.00	462	249.00	2725	260.00	649
228.05	5510	239.00	1563	250.05	565	261.00	649

229.05	8751	240.10	1269	251.05	551	261.95	132
230.05	1266	241.05	2210	252.05	784	263.05	155
231.10	3801	242.05	5147	253.05	1802	264.00	695
232.05	656	243.10	5718	254.05	2520	265.05	7821
233.05	731	244.10	82696	255.10	403968	266.00	1318

Average of 8.350 to 8.362 min.: dft1020g.D\data.ms
dft1020g
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
267.95	244	282.00	359	293.05	3546	307.95	617
270.05	453	283.05	1585	294.05	882	309.10	410
271.05	864	284.10	1005	295.00	903	310.05	602
272.05	1084	285.10	2775	296.10	43144	310.95	124
273.05	11783	286.05	476	297.05	6044	311.85	117
274.10	31637	288.00	196	298.00	427	313.00	470
275.10	185451	288.95	586	301.05	517	314.05	2297
276.10	25259	290.05	571	302.00	797	315.05	4700
277.05	13742	291.00	365	303.10	5621	316.10	2720
278.00	2103	291.90	129	304.05	1566	317.05	535
279.05	427	292.05	531	305.10	94	317.90	52

Average of 8.350 to 8.362 min.: dft1020g.D\data.ms
dft1020g
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
319.95	203	333.05	1407	351.00	270	367.00	199
321.05	1383	334.10	10670	352.05	4610	370.05	645
322.05	818	335.10	2700	353.05	3318	371.00	1359
323.10	16064	336.05	312	354.10	5160	372.10	8694
324.10	3092	339.00	221	355.10	845	373.05	2297
325.00	283	340.05	292	355.90	50	374.05	325
326.05	212	341.10	1886	359.05	420	376.95	174
327.05	2653	342.10	471	361.10	59	383.10	2483
328.05	1532	346.05	3255	364.00	187	384.05	628
329.05	273	347.05	618	365.05	19500	385.05	163
332.10	1204	350.05	137	366.00	2919	390.10	1148

Average of 8.350 to 8.362 min.: dft1020g.D\data.ms
dft1020g
Modified:subtracted

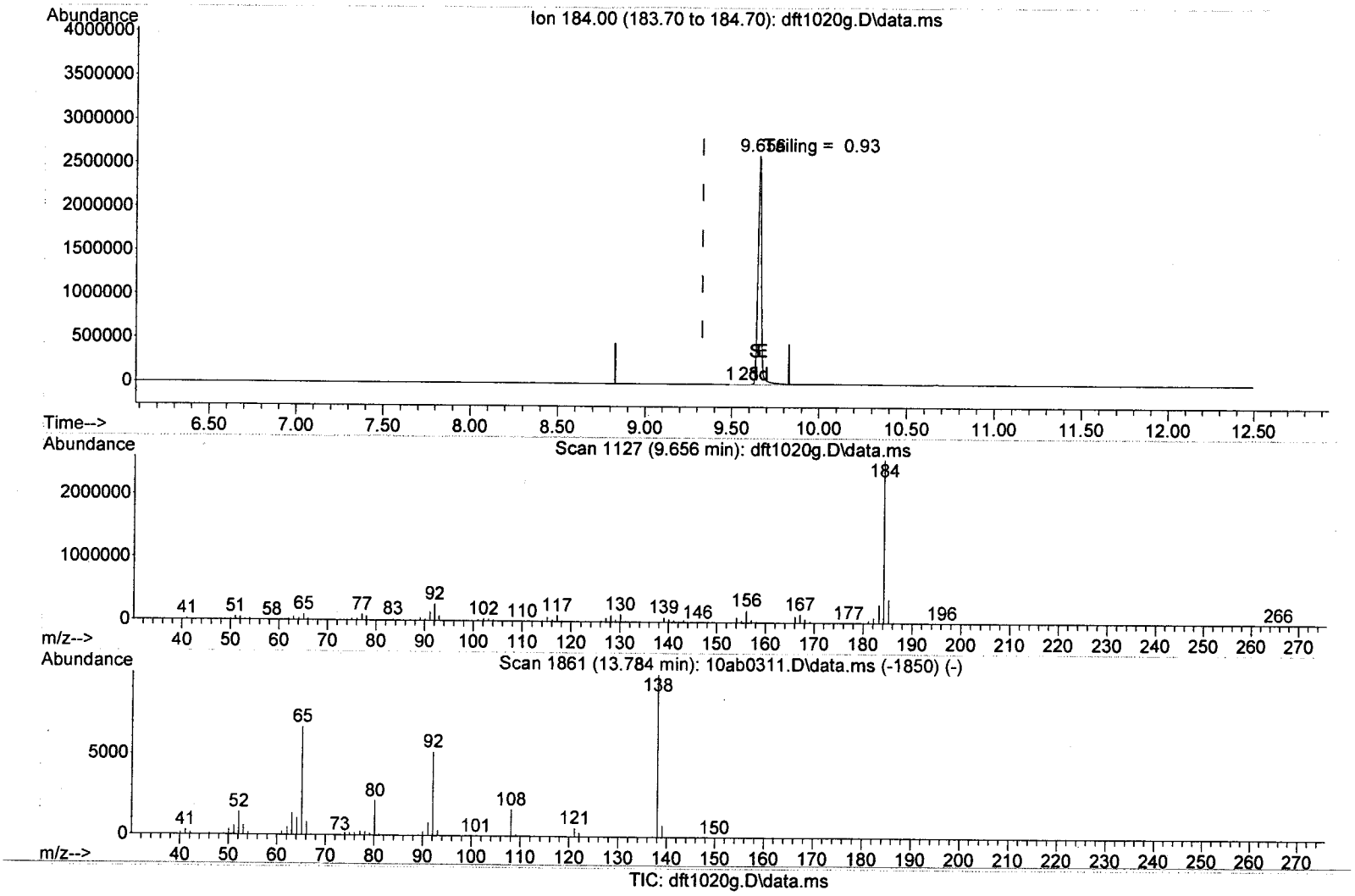
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
391.05	864	421.10	4706	445.05	609		
392.05	566	422.05	4268				
393.10	70	423.10	34395				
401.10	484	424.10	6851				
402.10	3560	425.05	594				
403.05	4952	439.10	53				
404.00	1695	440.20	131				
405.05	233	441.10	95397				
410.00	144	442.10	653995				
414.95	240	443.10	126920				
420.10	55	444.10	12022				

004370

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : dft1020g.D
Acq On : 20 Oct 2014 17:23
Operator : JLB
Sample : dft1020g Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 21 07:46:31 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1020g.D\data.ms

(2) Benzidine

9.656min (+ 0.326) 23.37 ng/uL m

response 3760096

Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

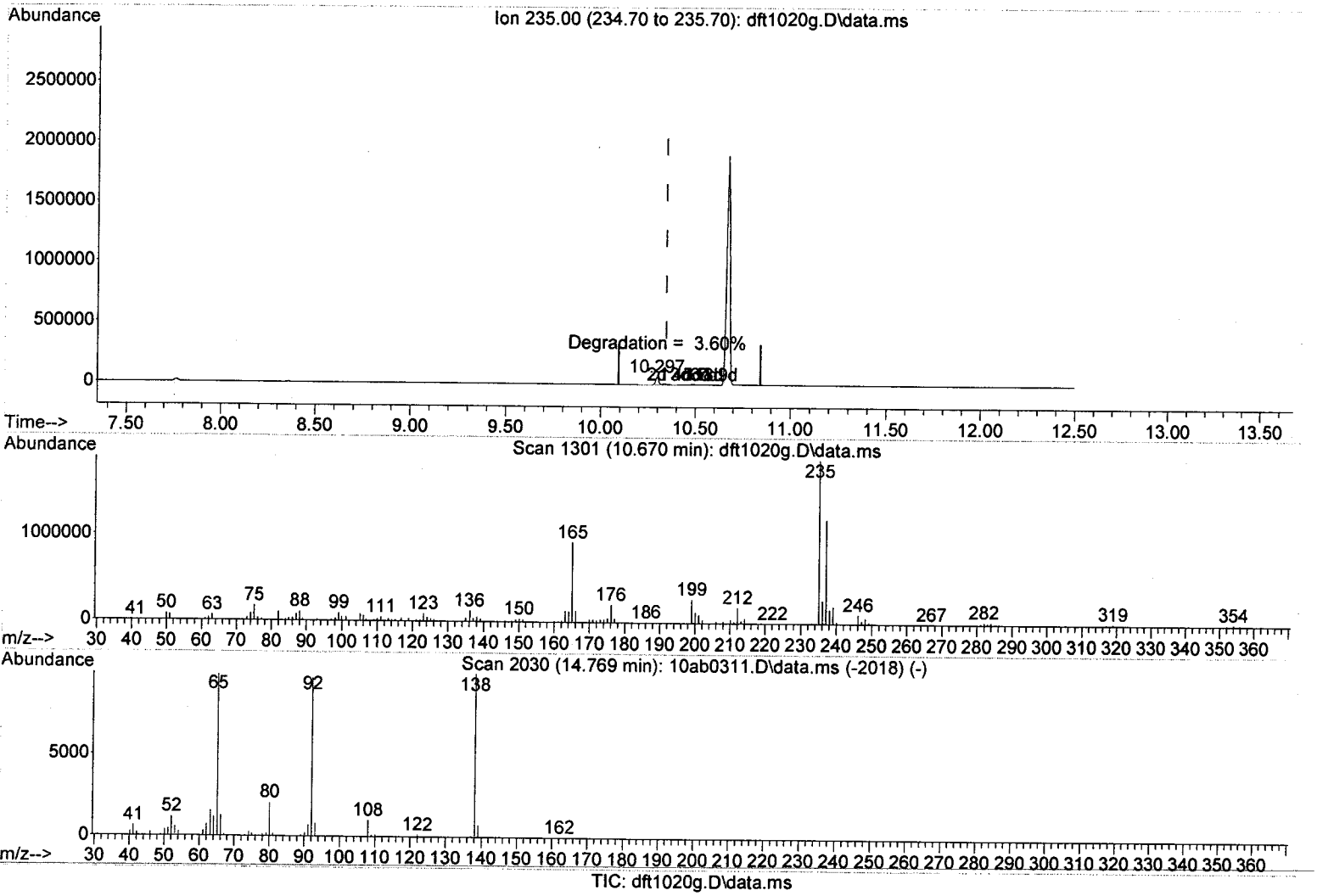
ASC 10/21/14

004371

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : dft1020g.D
Acq On : 20 Oct 2014 17:23
Operator : JLB
Sample : dft1020g Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 21 07:46:31 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1020g.D\data.ms

(3) 4-DDT

10.670min (+ 0.326) 14.54 ng/uL m

response 2019230

Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ASC
10/21/14

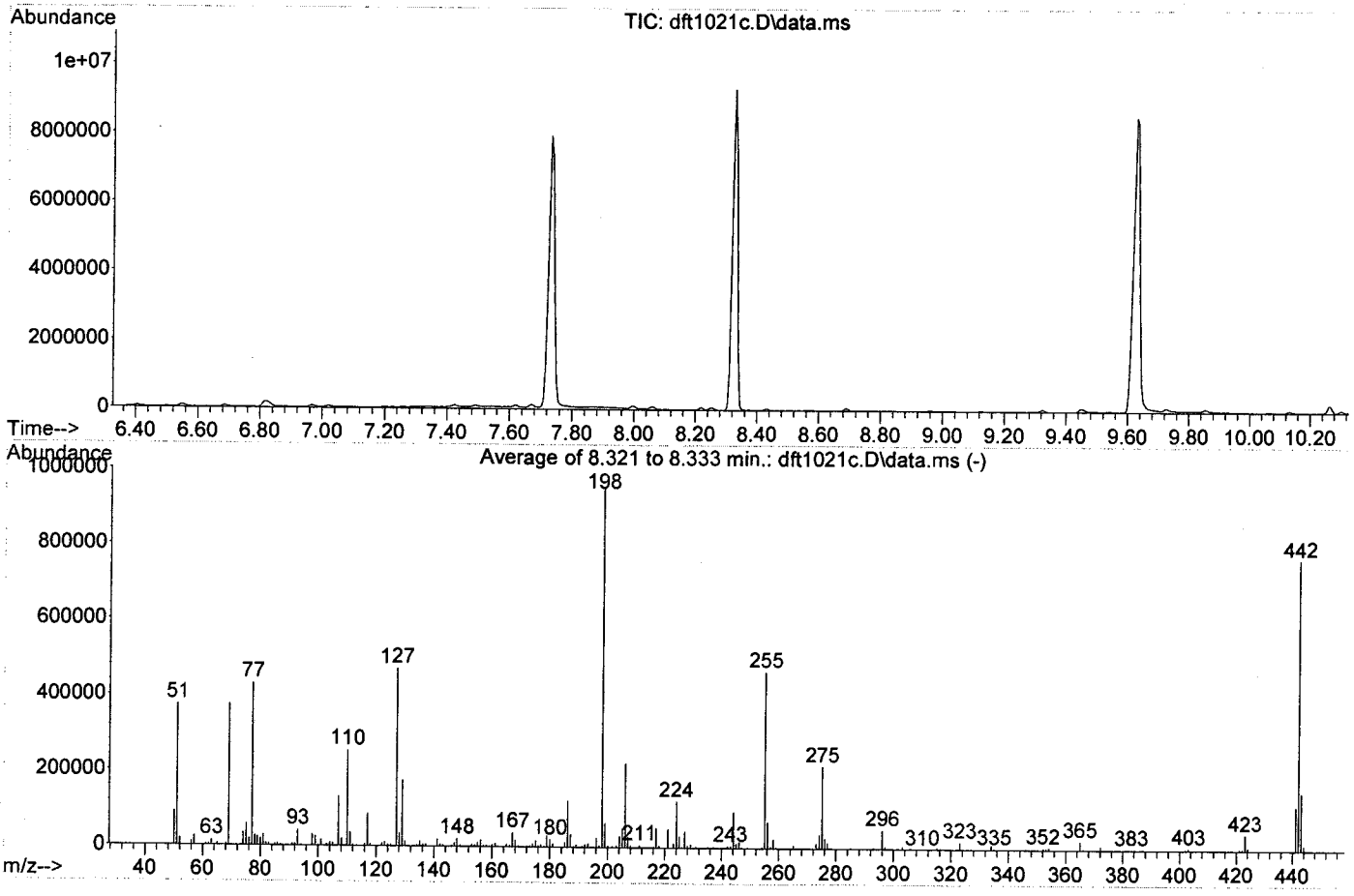
004372

DFTPP

Data Path : C:\msdchem\1\data\102114b_339\
Data File : dft1021c.D
Acq On : 21 Oct 2014 12:33 Operator: JLB
Sample : dft1021c Inst : 339
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\tail&degrad.M
Title : 8270/625 BNA
Last Update : Wed Sep 10 08:14:34 2014



AutoFind: Scans 898, 899, 900; Background Corrected with Scan 890

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.4	375731	PASS
68	69	0.00	2	1.5	5697	PASS
69	198	0.00	100	39.5	376661	PASS
70	69	0.00	2	0.5	1826	PASS
127	198	40	60	49.4	470848	PASS
197	198	0.00	1	0.6	5761	PASS
198	198	100	100	100.0	953685	PASS
199	198	5	9	6.7	63872	PASS
275	198	10	30	22.8	217515	PASS
365	198	1	100	2.4	23272	PASS
441	443	0.01	100	76.5	116757	PASS
442	198	40	100	80.5	767936	PASS
443	442	17	23	19.9	152656	PASS

DWS 10-22-14

004373

Average of 8.321 to 8.333 min.: dft1021c.D\data.ms
dft1021c
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
41.00	754	57.00	26475	68.00	5697	79.00	24923
45.00	663	57.95	1156	69.00	376661	80.00	19939
46.85	56	59.00	326	70.00	1826	81.00	29392
47.95	121	60.00	213	70.90	253	82.00	7253
49.00	1354	61.00	4506	72.00	95	83.00	7426
49.95	91602	62.00	5423	73.00	2308	83.90	44
50.95	375731	63.00	15074	74.00	35405	85.00	5244
52.00	19652	63.95	2338	75.00	59296	85.95	7413
53.00	842	65.00	7912	76.10	20347	87.00	3601
54.95	1419	66.00	525	77.10	430912	88.00	1654
56.00	11419	67.10	362	78.10	28165	89.05	818

Average of 8.321 to 8.333 min.: dft1021c.D\data.ms
dft1021c
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.00	73	101.00	17037	112.00	4309	123.00	12865
91.00	6634	101.95	1073	113.00	1410	124.00	5734
92.00	7030	103.00	5584	114.10	415	125.05	5222
93.00	42885	104.00	10396	114.95	413	126.10	1386
94.00	3105	105.00	9355	116.00	6447	127.05	470848
95.05	841	106.05	2956	117.00	86387	128.05	35259
96.10	2109	107.00	130963	118.00	6489	129.00	174976
97.05	747	108.05	20517	119.00	968	130.00	14325
98.00	32035	109.05	3678	120.00	1511	131.05	2765
99.00	26947	110.00	254443	121.05	580	132.05	1354
100.00	2534	111.00	37653	122.00	8001	133.05	586

Average of 8.321 to 8.333 min.: dft1021c.D\data.ms
dft1021c
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
134.05	4918	145.05	1227	155.05	12089	166.05	5623
135.05	14204	146.05	3429	156.10	18141	167.10	38597
136.05	5632	147.05	10232	157.10	3880	168.10	17450
137.10	6355	148.00	21304	158.05	3782	169.10	3217
137.95	1443	149.05	4542	159.00	2966	170.05	1285
139.05	656	150.05	1444	160.05	6822	171.00	1750
140.00	1907	151.10	2583	161.05	9847	172.00	3350
141.05	20123	151.70	598	162.05	2766	173.10	4329
142.05	6874	152.05	1016	163.05	740	174.05	8877
143.05	4685	153.05	6674	164.05	1118	175.10	17164
144.05	1284	154.05	5312	165.00	7226	176.10	5108

Average of 8.321 to 8.333 min.: dft1021c.D\data.ms
dft1021c
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.00	7605	188.10	3446	197.10	5761	209.05	1939
178.00	2442	189.00	6536	198.00	953685	210.20	2334
179.00	30584	190.00	1174	199.00	63872	211.10	7927
180.10	21208	191.05	3207	200.05	4658	213.00	645
181.05	10293	192.05	8732	201.55	4042	214.00	209
182.05	1565	193.10	10837	203.05	5562	215.05	2045
183.05	954	194.10	2071	204.10	30691	216.05	4244
184.05	2575	194.90	554	205.10	51048	217.00	52659
185.10	14388	195.05	892	206.10	223083	218.00	6491
186.10	123072	196.05	25203	207.10	28936	219.15	750
187.10	33795	196.80	1678	208.05	6490	221.10	50075

Average of 8.321 to 8.333 min.: dft1021c.D\data.ms
dft1021c
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.05	12770	234.05	2930	245.10	12476	256.10	69851
224.10	123288	235.05	3251	246.05	16691	257.10	5225
225.10	31147	236.05	2007	247.05	3252	258.10	24197
226.10	3241	237.05	3527	248.05	846	259.05	3745
227.05	44952	238.00	525	249.05	3466	259.95	714
228.05	6374	239.05	1801	249.95	716	260.95	891

229.10	10200	240.10	1295	251.00	693	262.10	108
230.05	1348	241.05	2360	252.05	940	263.00	279
231.10	4500	242.10	6248	253.10	2032	263.90	548
232.10	738	243.10	6623	254.10	3207	265.05	9258
233.05	801	244.10	96915	255.10	467392	266.05	1620

Average of 8.321 to 8.333 min.: dft1021c.D\data.ms
dft1021c
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
266.90	54	279.00	580	293.05	3985	305.10	91
267.95	249	281.95	504	294.10	909	308.05	857
270.05	577	283.10	2071	295.05	1186	309.05	564
271.10	1016	284.05	1278	296.10	50211	310.05	824
272.05	1255	285.10	3063	297.05	6940	310.90	54
273.05	13775	286.05	510	298.00	499	312.05	240
274.10	36493	288.05	216	299.10	116	312.90	103
275.10	217515	289.05	779	301.05	649	313.10	368
276.10	28336	290.05	643	302.05	991	314.10	2687
277.05	15659	291.05	541	303.10	6356	315.05	5599
278.10	2697	292.00	831	304.05	1744	316.10	3590

Average of 8.321 to 8.333 min.: dft1021c.D\data.ms
dft1021c
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
317.05	632	329.05	276	343.00	61	361.05	124
320.00	226	332.05	1318	346.00	3825	363.70	65
321.10	1912	333.10	1925	347.05	885	365.05	23272
322.05	929	334.10	12267	349.95	128	366.00	3740
323.10	19467	335.10	3190	351.00	405	366.95	160
324.15	3127	336.05	439	352.10	5728	369.90	450
325.05	361	338.90	74	353.10	3912	371.05	1574
325.90	207	339.05	248	354.10	6345	372.10	10149
326.10	149	340.05	253	355.10	1140	373.10	2791
327.00	3079	341.10	2202	358.20	55	374.05	331
328.05	1798	342.00	594	359.05	491	377.05	159

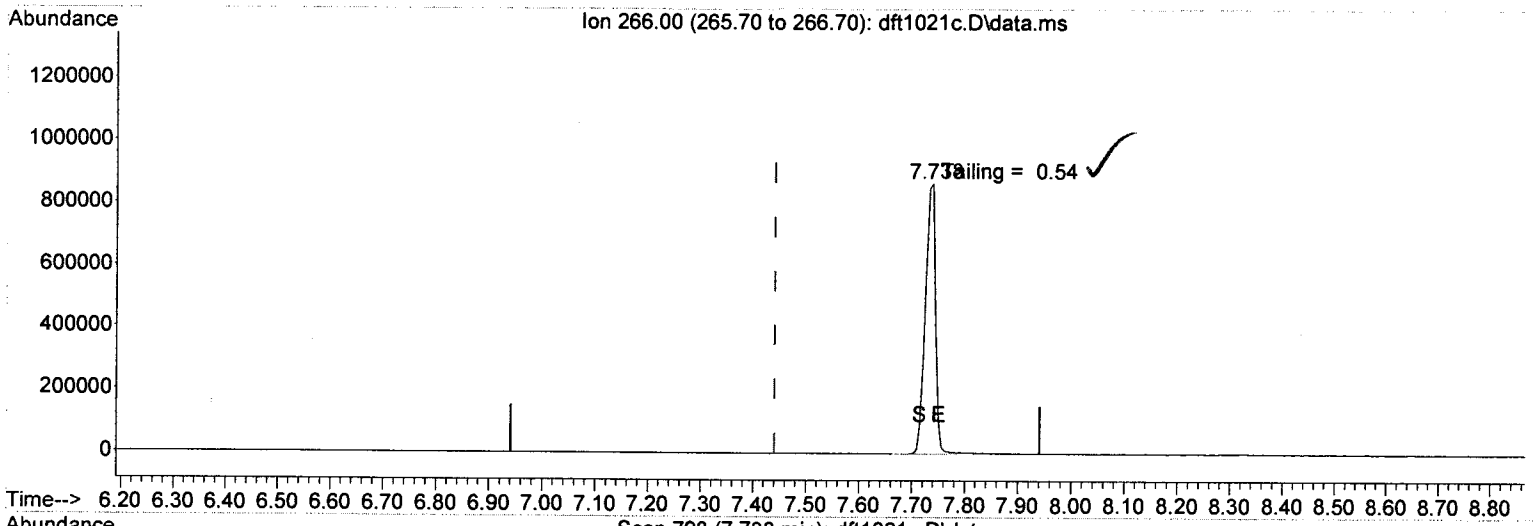
Average of 8.321 to 8.333 min.: dft1021c.D\data.ms
dft1021c
Modified:subtracted

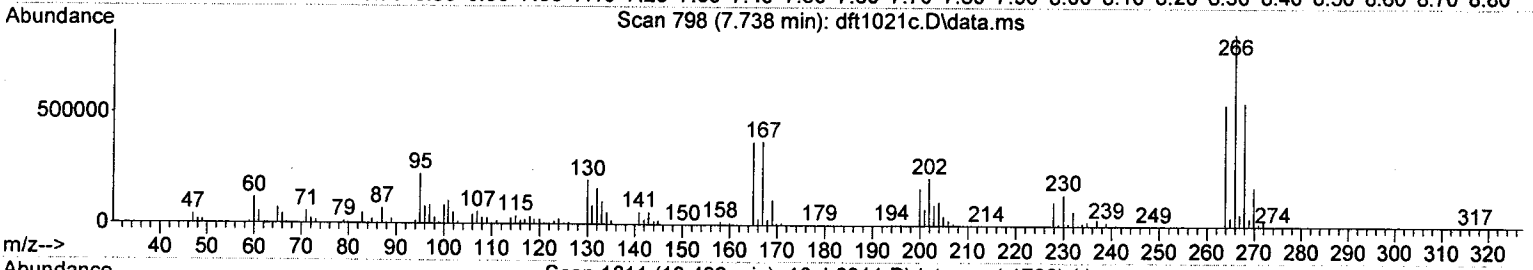
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
383.05	2762	403.10	6274	440.10	105		
384.05	808	404.05	1898	441.10	116757		
385.05	245	405.05	303	442.10	767936		
390.05	1451	409.90	74	443.10	152656		
391.05	1104	410.10	116	444.10	14339		
392.05	807	415.05	279	445.05	809		
393.00	52	421.10	5271				
396.90	56	422.10	5096				
397.10	85	423.10	42165				
400.95	635	424.10	8220				
402.05	4344	425.10	780				

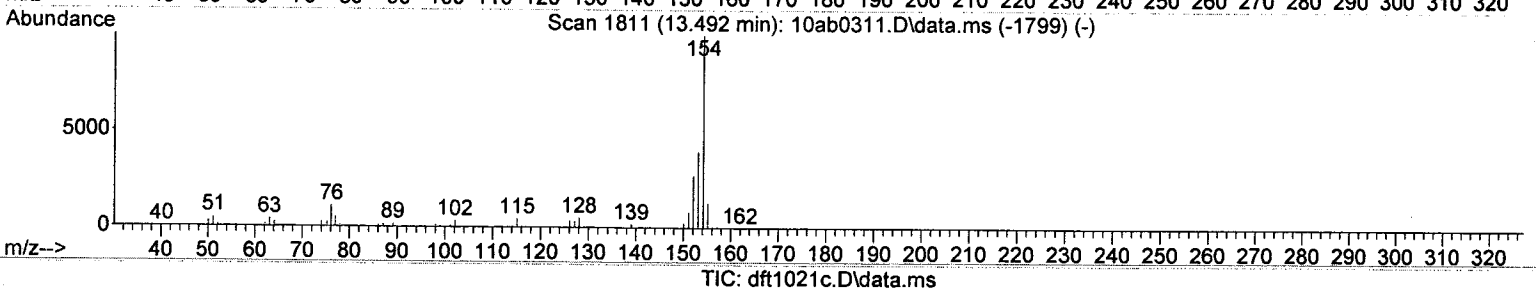
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : dft1021c.D
Acq On : 21 Oct 2014 12:33
Operator : JLB
Sample : dft1021c Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 22 07:49:49 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration







TIC: dft1021c.D\data.ms

(1) Pentachlorophenol

7.738min (+ 0.297) 3.05 ng/uL

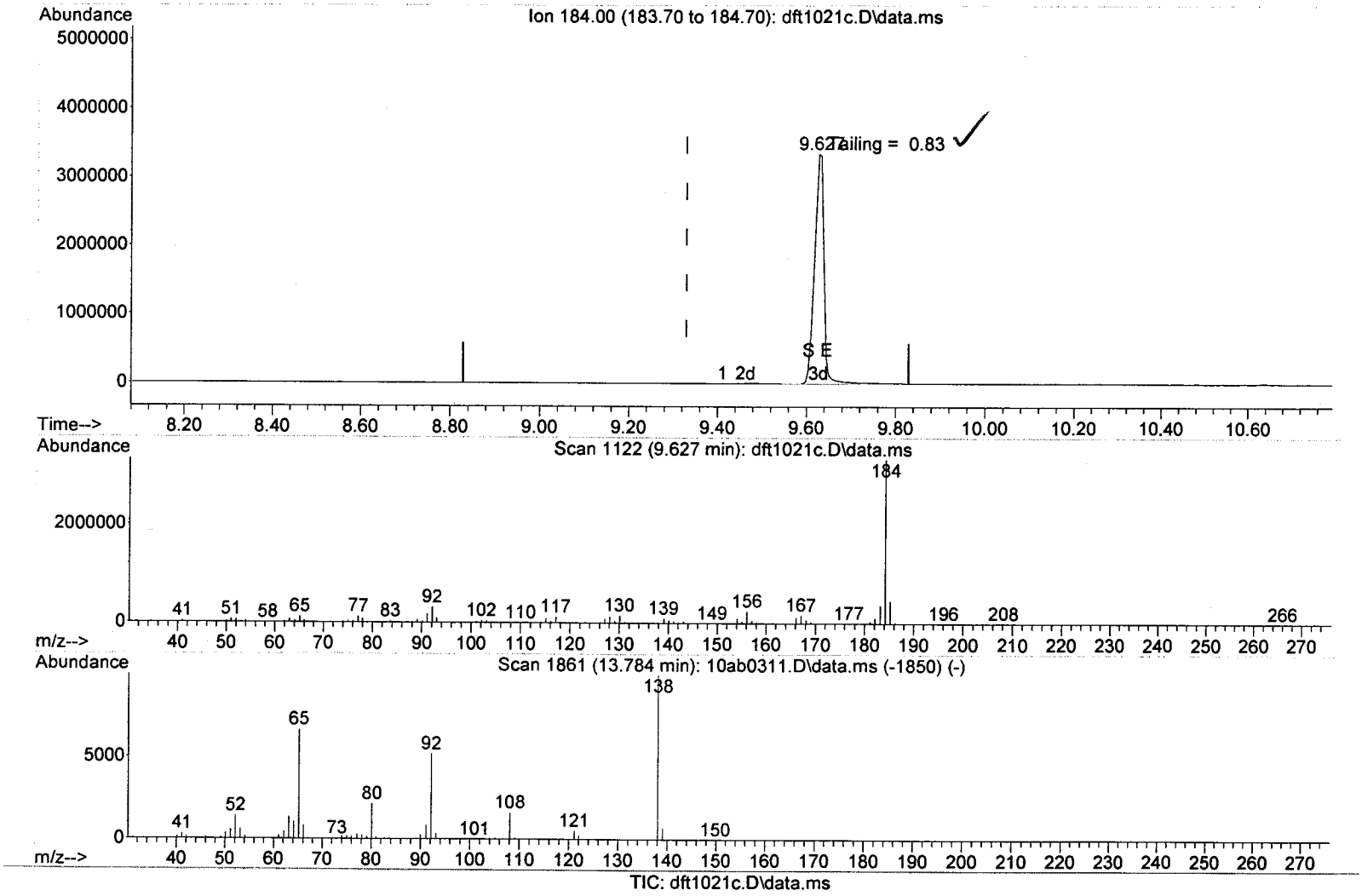
response 1161715

Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : dft1021c.D
Acq On : 21 Oct 2014 12:33
Operator : JLB
Sample : dft1021c Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 22 07:49:49 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1021c.D\data.ms

(2) Benzidine

9.627min (+ 0.297) 33.04 ng/uL m

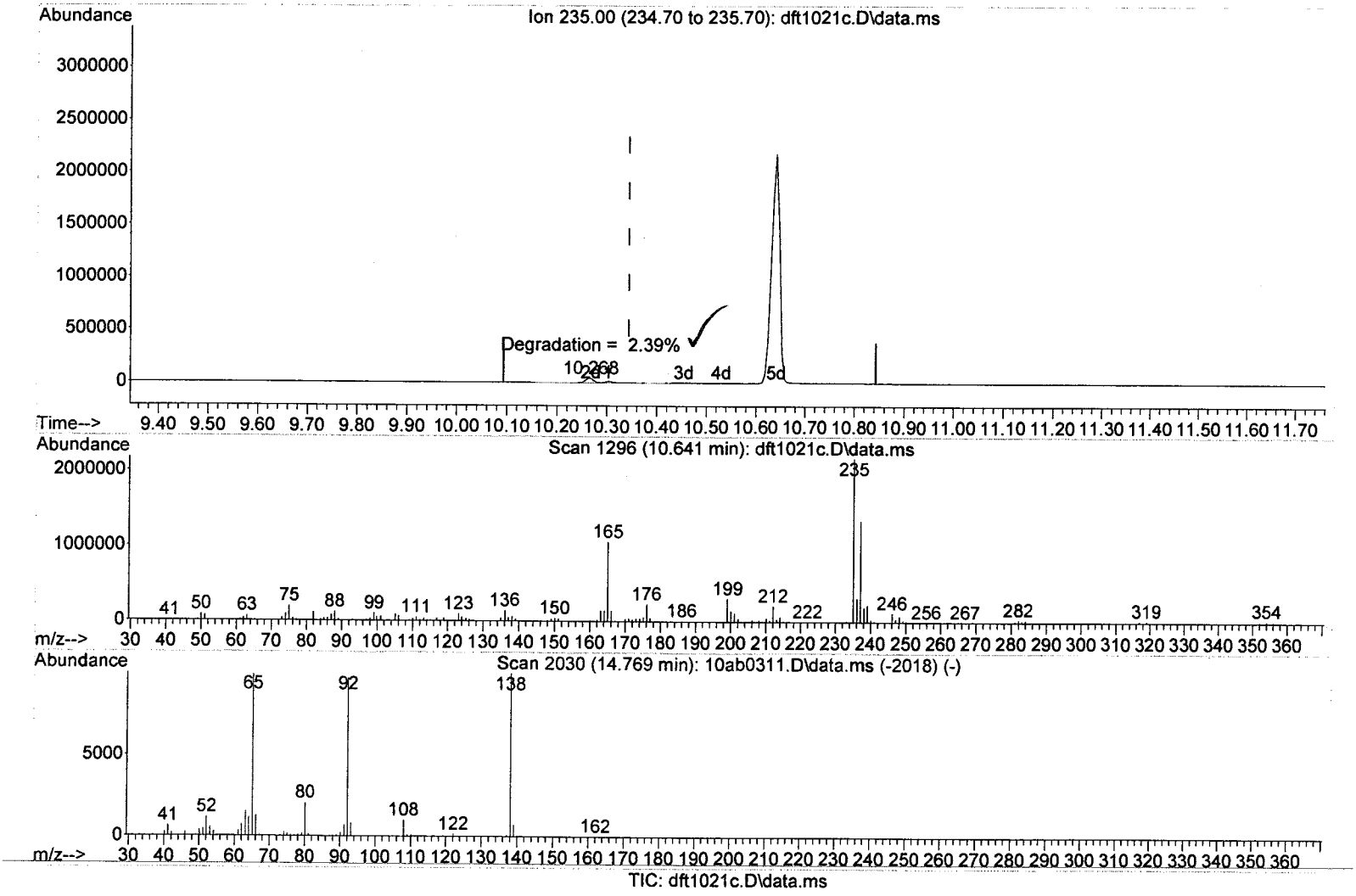
response 4986066

Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : dft1021c.D
Acq On : 21 Oct 2014 12:33
Operator : JLB
Sample : dft1021c Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 22 07:49:49 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1021c.D\data.ms

(3) 4-DDT

10.641min (+ 0.297) 18.72 ng/uL m

response 2539183

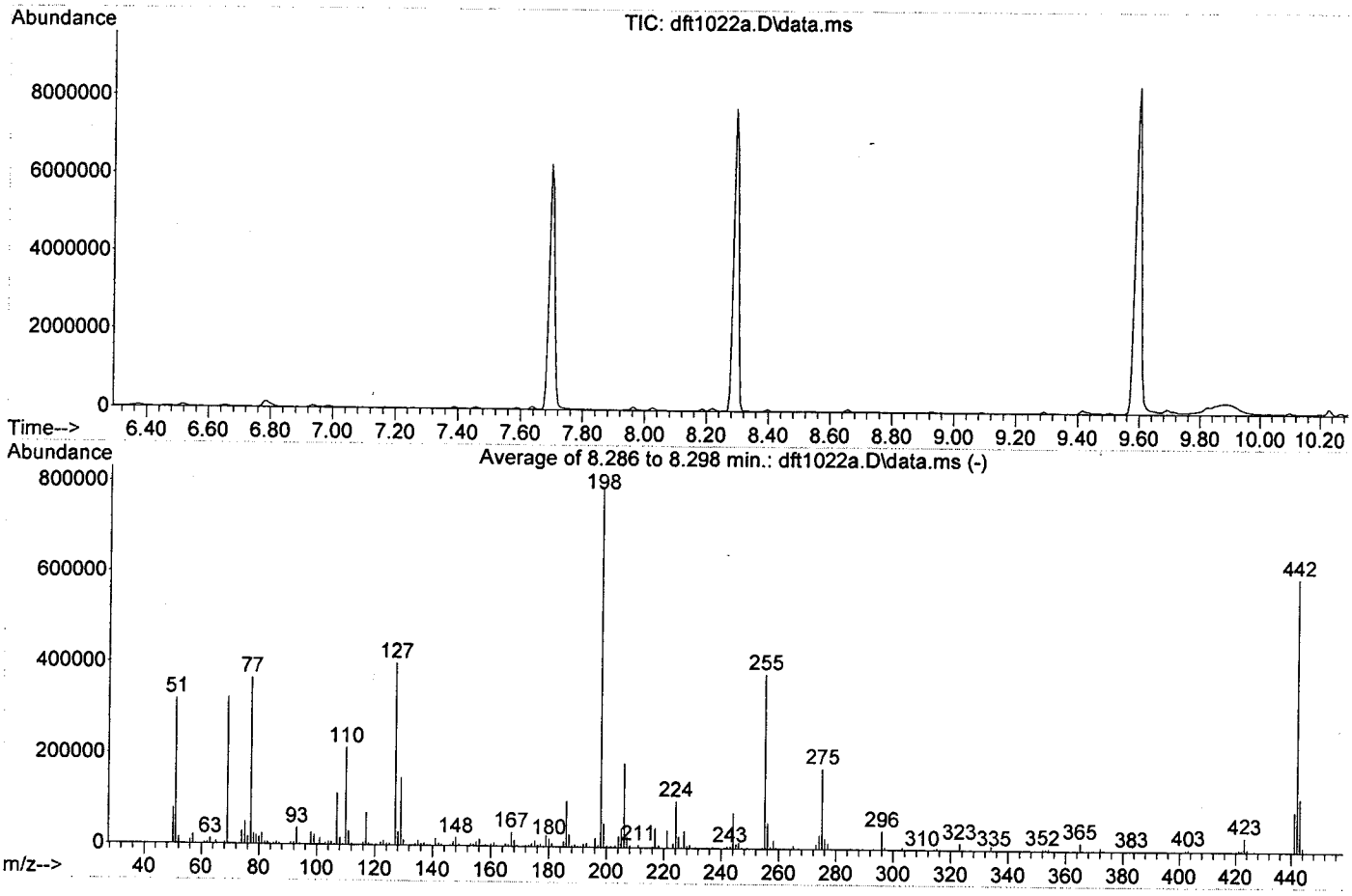
Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\data\102214_339\
Data File : dft1022a.D
Acq On : 22 Oct 2014 8:05 Operator: JLB
Sample : dft1022a Inst : 339
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\100414bna.M
Title : 8270/625 BNA
Last Update : Wed Oct 22 07:58:53 2014



AutoFind: Scans 892, 893, 894; Background Corrected with Scan 884

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.4	320053	PASS
68	69	0.00	2	1.6	5063	PASS
69	198	0.00	100	40.9	323654	PASS
70	69	0.00	2	0.4	1343	PASS
127	198	40	60	50.5	400021	PASS
197	198	0.00	1	0.7	5158	PASS
198	198	100	100	100.0	791616	PASS
199	198	5	9	6.6	52571	PASS
275	198	10	30	22.4	177088	PASS
365	198	1	100	2.3	18587	PASS
441	443	0.01	100	76.2	89083	PASS
442	198	40	100	75.7	599573	PASS
443	442	17	23	19.5	116861	PASS

DWS 10-22-14

004379

Average of 8.286 to 8.298 min.: dft1022a.D\data.ms
dft1022a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
41.00	426	57.00	22488	67.20	117	78.05	24451
44.95	504	57.95	1036	68.00	5063	79.00	21365
47.00	58	59.00	354	69.00	323654	80.00	17227
48.00	218	59.90	185	70.00	1343	81.00	25368
49.00	1205	61.00	3961	71.05	178	82.05	6304
50.00	79564	62.00	4545	71.90	130	83.00	5970
50.95	320053	63.00	13104	73.05	2026	83.85	66
52.05	15946	64.00	1787	74.00	29899	85.00	4420
53.00	593	65.05	6715	75.00	50323	86.00	6189
54.95	1181	66.00	480	76.05	17415	87.00	3247
56.00	9345	66.95	265	77.10	365632	88.05	1376

Average of 8.286 to 8.298 min.: dft1022a.D\data.ms
dft1022a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.95	721	101.00	14987	112.05	3928	121.10	380
90.95	5401	101.95	775	113.05	1290	122.00	6736
92.00	5688	103.00	4536	113.85	127	123.00	10793
93.00	37261	104.00	8563	114.20	98	124.00	4676
94.00	2740	105.00	8506	114.80	370	125.05	4513
95.05	601	106.05	2605	115.10	118	126.10	1355
96.00	1921	107.00	113875	116.00	5949	127.10	400021
97.00	582	108.05	16495	117.00	71984	128.05	30101
98.00	27917	109.05	2934	118.00	5523	129.00	148979
99.00	23152	110.00	214379	119.00	702	130.05	12448
100.00	2094	111.00	31291	120.00	1387	131.05	2248

Average of 8.286 to 8.298 min.: dft1022a.D\data.ms
dft1022a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
132.00	1185	141.00	16872	151.65	1096	163.05	685
132.80	147	142.05	6029	153.00	5532	164.00	1145
132.95	305	143.05	3868	154.05	4377	165.00	5954
134.00	3901	144.05	1171	155.05	9715	166.00	4890
135.05	11834	145.00	972	156.10	15895	167.05	31272
136.00	4602	146.05	3042	157.05	2903	168.05	14702
137.10	5831	147.05	9004	158.00	3223	169.00	2803
137.70	334	148.00	18589	159.05	2397	170.05	1136
137.95	1385	149.05	3827	160.05	5551	171.00	1435
139.00	353	150.05	1066	161.10	8088	172.00	2960
140.00	1278	151.10	2301	162.05	2158	173.10	3905

Average of 8.286 to 8.298 min.: dft1022a.D\data.ms
dft1022a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.05	6849	185.10	12652	196.10	20807	208.10	5453
175.10	14097	186.10	101181	197.10	5158	209.05	1810
176.05	4219	187.10	28389	198.00	791616	210.15	1561
177.05	6501	188.05	3168	199.00	52571	211.10	6271
178.05	2191	189.00	5505	200.05	3946	213.05	487
179.00	25869	190.05	1028	201.50	3174	214.00	172
180.10	17705	191.05	2610	203.00	4616	215.05	1842
181.10	8628	192.05	7345	204.10	24995	216.10	3604
182.05	1556	193.10	8820	205.10	42880	217.00	44091
183.05	673	194.10	1915	206.10	185579	218.10	5897
184.05	1955	195.05	1151	207.10	23923	218.90	210

Average of 8.286 to 8.298 min.: dft1022a.D\data.ms
dft1022a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
219.05	554	231.10	3708	242.10	4755	253.05	1723
219.80	150	232.05	738	243.10	4996	254.10	2712
221.10	38981	233.05	718	244.10	78816	255.10	382464
223.10	10396	234.05	2304	245.10	10238	256.10	56488
224.10	103309	235.05	2780	246.05	13342	257.05	4393
225.10	26560	236.00	1765	247.05	2549	258.10	19350

226.10	2764	237.10	3180	248.05	835	259.05	3012
227.05	38491	238.05	406	249.05	3039	260.00	531
228.05	5391	239.05	1414	250.05	590	261.05	687
229.05	8252	240.10	1114	251.05	722	262.85	131
230.05	1107	241.05	2053	252.00	808	264.00	673

Average of 8.286 to 8.298 min.: dft1022a.D\data.ms
dft1022a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
265.05	7802	277.10	13215	290.95	313	302.05	773
266.05	1443	278.10	2229	292.05	657	303.10	5305
268.00	152	279.05	467	293.10	3119	304.10	1543
268.90	91	282.05	337	294.05	784	305.00	120
270.05	424	283.05	1449	295.10	852	305.20	88
271.05	704	284.05	1009	296.10	41333	307.95	623
272.05	1068	285.10	2647	297.05	5619	309.00	315
273.05	11098	286.05	405	297.90	73	310.05	553
274.10	30253	288.05	142	298.05	335	310.90	105
275.10	177088	289.00	456	299.05	125	312.10	67
276.10	23835	290.00	407	301.05	630	313.05	472

Average of 8.286 to 8.298 min.: dft1022a.D\data.ms
dft1022a
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
314.10	2092	326.05	323	341.10	1610	359.95	107
315.05	4487	327.00	2399	342.05	529	361.10	75
316.10	2679	328.05	1435	346.05	3051	364.10	175
317.10	477	329.05	236	347.05	523	365.05	18587
320.00	118	332.05	1129	348.00	52	366.05	2487
321.05	1442	333.05	1416	351.05	161	366.95	136
321.90	134	334.10	9503	352.10	4480	370.05	460
322.05	495	335.10	2281	353.05	3466	371.05	1243
323.10	15737	336.05	334	354.10	5133	372.10	8357
324.10	2890	339.00	250	355.05	1085	373.10	1999
325.00	304	340.10	146	359.05	360	374.05	250

Average of 8.286 to 8.298 min.: dft1022a.D\data.ms
dft1022a
Modified:subtracted

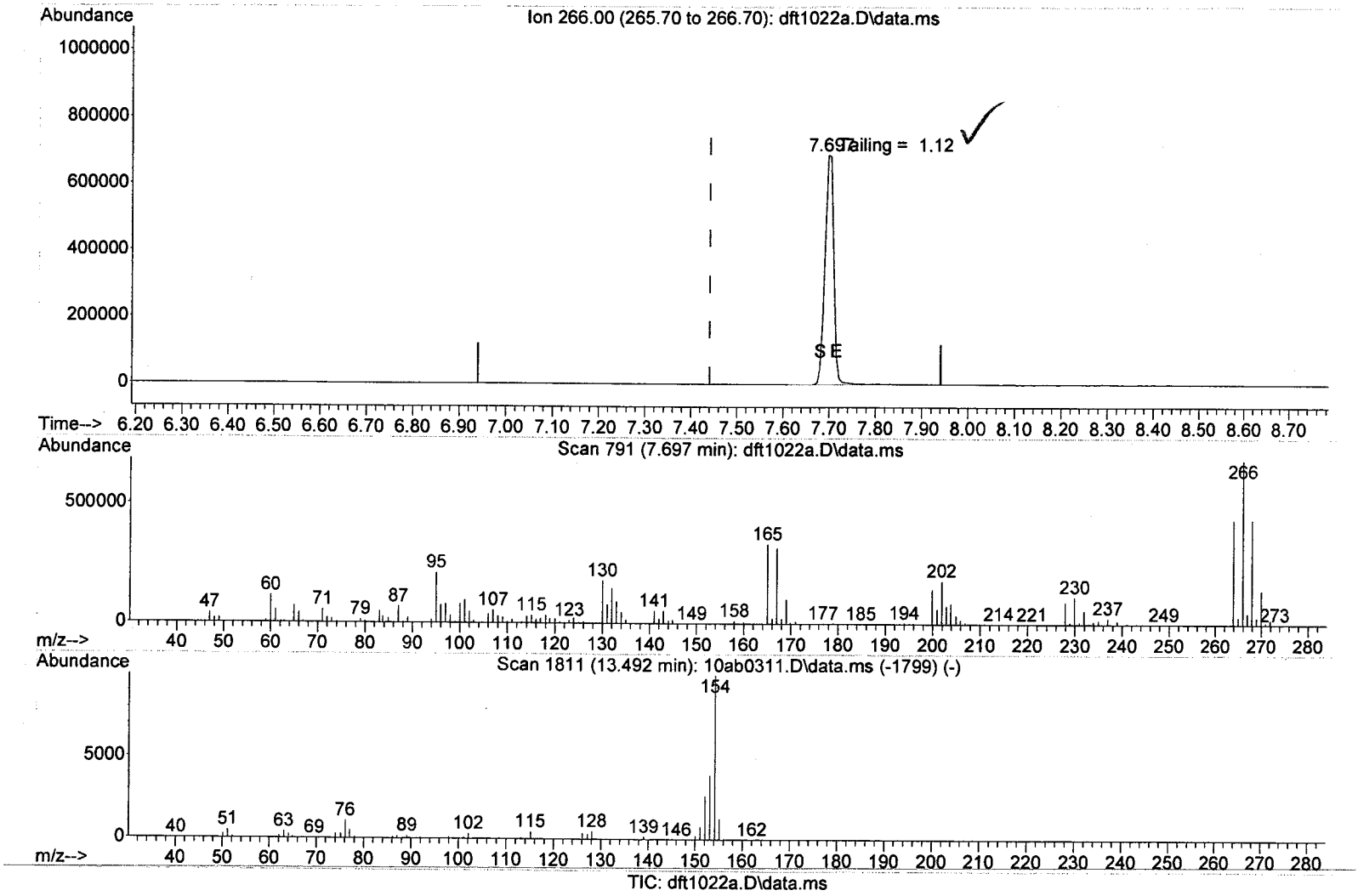
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
376.80	84	403.10	4926	442.10	599573		
377.10	90	404.10	1743	443.10	116861		
383.05	1960	405.05	183	444.10	10410		
384.00	594	409.90	67	445.05	569		
385.00	218	415.05	175				
390.05	1106	421.10	4312				
390.90	147	422.10	4039				
391.05	792	423.10	31163				
392.10	522	424.10	6411				
401.00	404	425.05	653				
402.10	3361	441.10	89083				

004381

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : dft1022a.D
Acq On : 22 Oct 2014 8:05
Operator : JLB
Sample : dft1022a Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 22 08:54:26 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1022a.D\data.ms

(1) Pentachlorophenol

7.697min (+ 0.256) 2.36 ng/uL

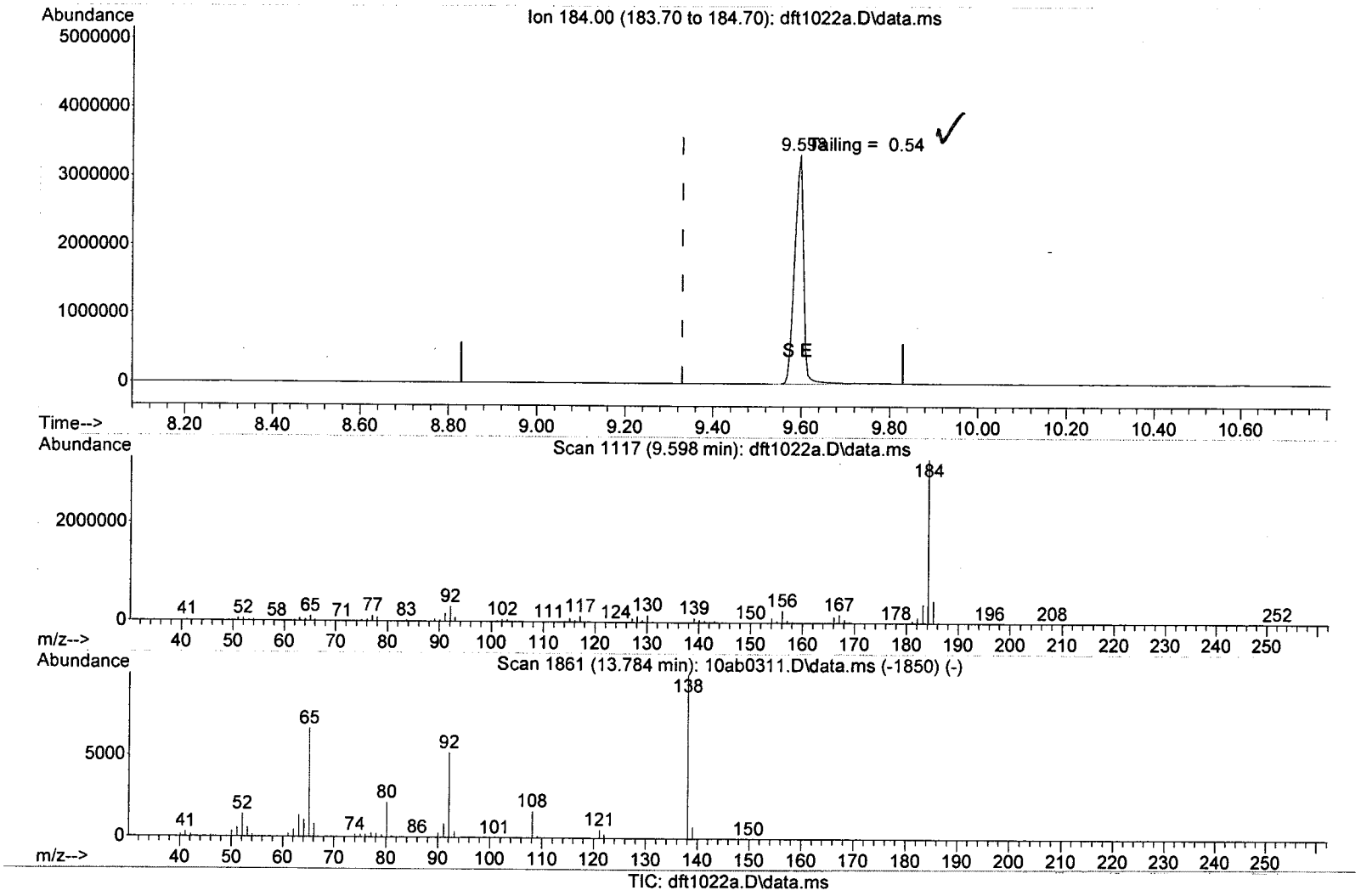
response 900053

Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : dft1022a.D
Acq On : 22 Oct 2014 8:05
Operator : JLB
Sample : dft1022a Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 22 08:54:26 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1022a.D\data.ms

(2) Benzidine

9.598min (+ 0.268) 30.89 ng/uL

response 4713942

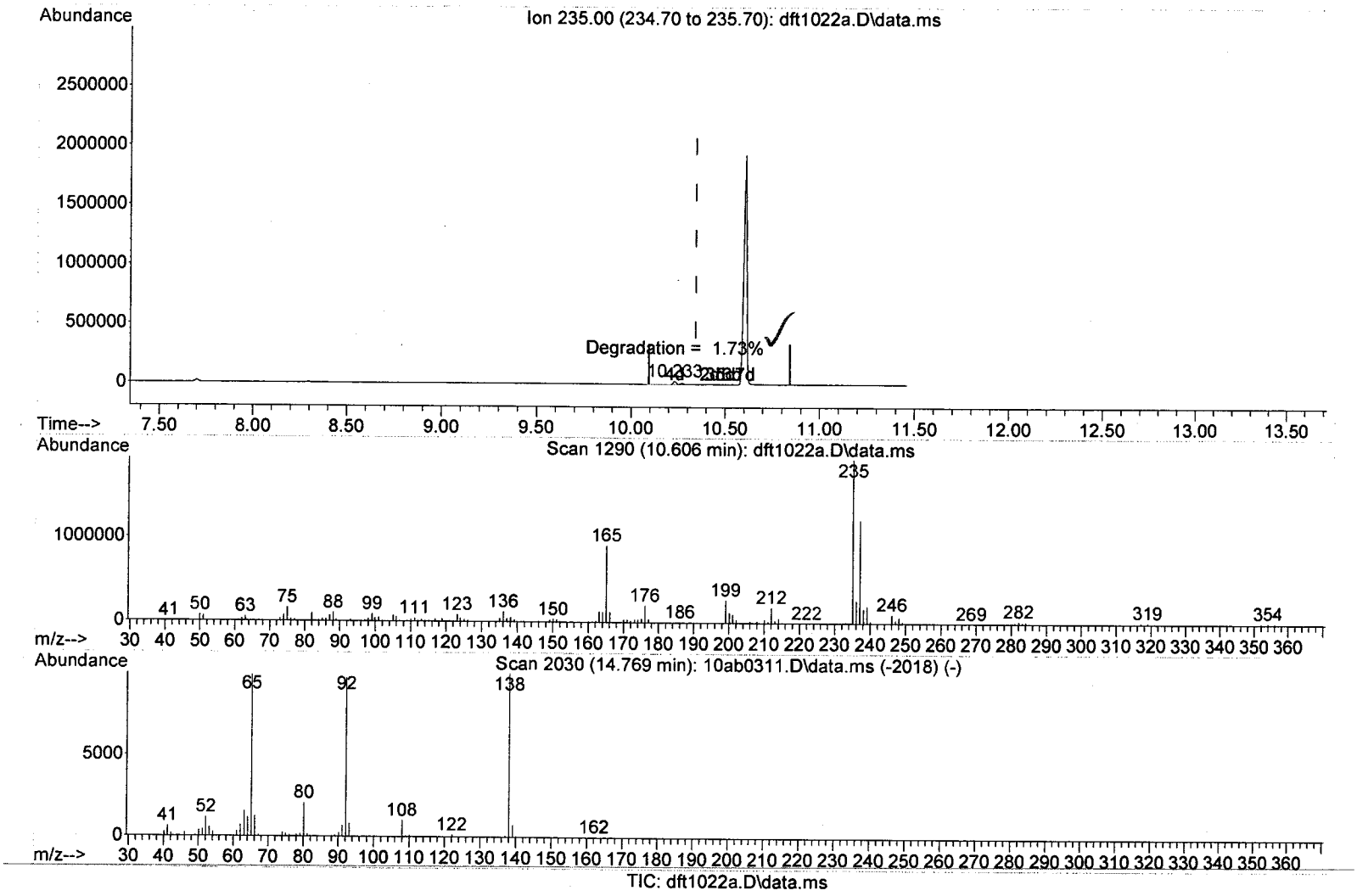
Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

004383

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : dft1022a.D
Acq On : 22 Oct 2014 8:05
Operator : JLB
Sample : dft1022a Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 22 08:54:26 2014
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Sep 10 08:14:34 2014
Response via : Initial Calibration



TIC: dft1022a.D\data.ms

(3) 4-DDT

10.606min (+ 0.262) 15.88 ng/uL m

response 2185892

Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

TRIMATRIX LABORATORIES

SECTION - D

RAW QUALITY CONTROL DATA

USEPA-8270D

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410325-BLK1 File ID: 1410325-blk1.D

Prepared: 09/29/14 07:52 Analyzed: 10/05/14 12:57

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1410325 Sequence: 4J06027 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	0.10	ug/L	0.033	0.10	0.50	U
208-96-8	Acenaphthylene	0.050	ug/L	0.017	0.050	0.50	U
120-12-7	Anthracene	0.20	ug/L	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	0.10	ug/L	0.045	0.10	0.50	U
50-32-8	Benzo(a)pyrene	0.10	ug/L	0.040	0.10	0.50	U
205-99-2	Benzo(b)fluoranthene	0.20	ug/L	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	0.20	ug/L	0.060	0.20	0.50	U
191-24-2	Benzo(g,h,i)perylene	0.20	ug/L	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	2.0	ug/L	0.48	2.0	5.0	U
100-51-6	Benzyl Alcohol	0.060	ug/L	0.049	0.10	0.50	J
101-55-3	4-Bromophenyl Phenyl Ether	0.10	ug/L	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	0.20	ug/L	0.056	0.20	1.0	U
86-74-8	Carbazole	0.20	ug/L	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	0.25	ug/L	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	0.25	ug/L	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	0.050	ug/L	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	0.050	ug/L	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	0.10	ug/L	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	0.050	ug/L	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	0.10	ug/L	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	0.10	ug/L	0.048	0.10	0.50	U
218-01-9	Chrysene	0.10	ug/L	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	0.25	ug/L	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	0.10	ug/L	0.041	0.10	0.50	U
84-74-2	Di-n-butyl Phthalate	1.0	ug/L	0.14	1.0	1.0	U
106-46-7	1,4-Dichlorobenzene	0.050	ug/L	0.020	0.050	0.50	U
95-50-1	1,2-Dichlorobenzene	0.10	ug/L	0.040	0.10	0.50	U
541-73-1	1,3-Dichlorobenzene	0.10	ug/L	0.041	0.10	0.50	U
91-94-1	3,3´-Dichlorobenzidine	0.50	ug/L	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	0.20	ug/L	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	0.25	ug/L	0.065	0.25	0.50	U
105-67-9	2,4-Dimethylphenol	0.50	ug/L	0.17	0.50	1.0	U
131-11-3	Dimethyl Phthalate	0.10	ug/L	0.046	0.10	0.50	U
534-52-1	4,6-Dinitro-2-methylphenol	4.0	ug/L	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	5.0	ug/L	1.2	5.0	5.0	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410325-BLK1
File ID: 1410325-blk1.D
Prepared: 09/29/14 07:52
Analyzed: 10/05/14 12:57
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 1000 mL / 1 mL
QC Batch: 1410325
Sequence: 4J06027
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	0.20	ug/L	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	0.10	ug/L	0.048	0.10	0.50	U
117-84-0	Di-n-octyl Phthalate	0.20	ug/L	0.077	0.20	0.50	U
122-66-7	1,2-Diphenylhydrazine	0.10	ug/L	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	0.30	ug/L	0.11	0.50	0.50	J
206-44-0	Fluoranthene	0.20	ug/L	0.063	0.20	0.50	U
86-73-7	Fluorene	0.10	ug/L	0.041	0.10	0.50	U
118-74-1	Hexachlorobenzene	0.20	ug/L	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	0.10	ug/L	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	0.10	ug/L	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.25	ug/L	0.080	0.25	0.50	U
78-59-1	Isophorone	0.10	ug/L	0.045	0.10	0.50	U
91-57-6	2-Methylnaphthalene	0.050	ug/L	0.015	0.050	0.50	U
108-39-4	3+4-Methylphenol	0.20	ug/L	0.057	0.20	5.0	U
95-48-7	2-Methylphenol	0.20	ug/L	0.048	0.20	0.50	U
91-20-3	Naphthalene	0.10	ug/L	0.031	0.10	0.50	U
100-01-6	4-Nitroaniline	1.0	ug/L	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	0.50	ug/L	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	0.50	ug/L	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	0.20	ug/L	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	0.20	ug/L	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	5.0	ug/L	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	0.10	ug/L	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	0.20	ug/L	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	0.20	ug/L	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	0.50	ug/L	0.13	0.50	0.50	U
85-01-8	Phenanthrene	0.10	ug/L	0.043	0.10	0.50	U
108-95-2	Phenol	0.11	ug/L	0.034	0.10	0.50	J
129-00-0	Pyrene	0.20	ug/L	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.10	ug/L	0.027	0.10	0.50	U
95-95-4	2,4,5-Trichlorophenol	0.25	ug/L	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	0.25	ug/L	0.085	0.25	0.50	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
2-Fluorophenol	20.0	8.52	43	19 - 119	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410325-BLK1
File ID: 1410325-blk1.D
Prepared: 09/29/14 07:52
Analyzed: 10/05/14 12:57
Preparation: 3510C Liquid-Liquid Extr
Initial/Final: 1000 mL / 1 mL
QC Batch: 1410325
Sequence: 4J06027
Calibration: 4J06006
Instrument: 339

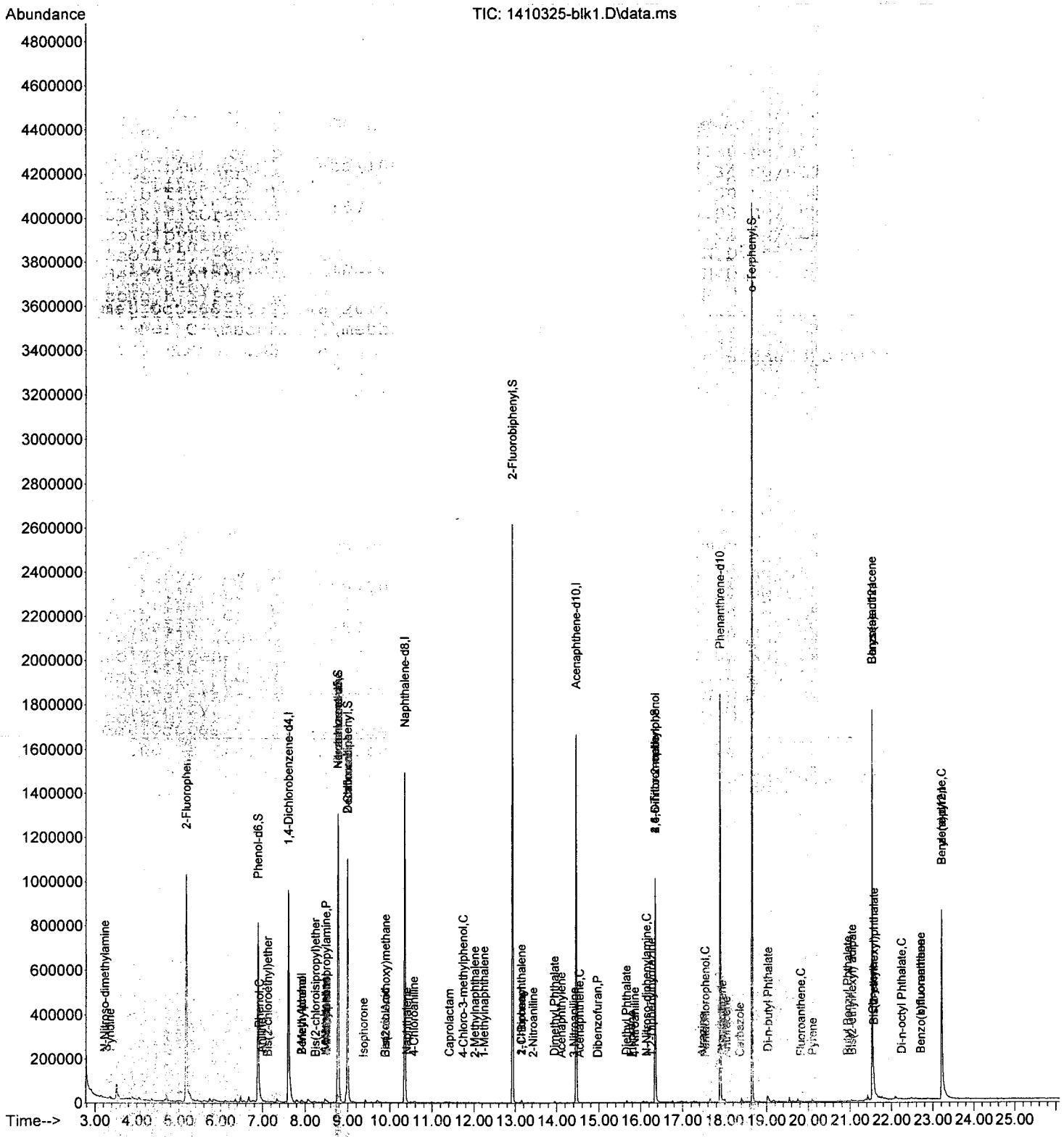
System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Phenol-d6	20.0	6.86	34	18 - 45	
Nitrobenzene-d5	10.0	10.4	104	44 - 120	
2-Fluorobiphenyl	10.0	10.8	108	44 - 119	
2,4,6-Tribromophenol	20.0	11.1	56	43 - 140	
o-Terphenyl	10.0	11.6	116	42 - 125	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	308826	7.608	403279	7.614	
Naphthalene-d8	1212936	10.353	1529030	10.359	
Acenaphthene-d10	645132	14.468	866604	14.474	
Phenanthrene-d10	1019637	17.896	1400442	17.901	
Chrysene-d12	804610	21.533	1153654	21.538	
Perylene-d12	592734	23.211	991596	23.211	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-blk1.D
Acq On : 5 Oct 2014 12:57
Operator : JLB
Sample : 1410325-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 09:29:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-blk1.D
Acq On : 5 Oct 2014 12:57
Operator : JLB
Sample : 1410325-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 09:29:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	308826	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.353	136	1212936	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.468	164	645132	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.896	188	1019637	5.00	ng/uL		0.00
81) Chrysene-d12	21.533	240	804610	5.00	ng/uL	#	0.00
89) Perylene-d12	23.211	264	592734	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	601312	8.52	ng/uL		0.00
6) Phenol-d6	6.891	99	626397	6.86	ng/uL		-0.02
21) Nitrobenzene-d5	8.774	82	809253	10.44	ng/uL		-0.01
23) Decafluorobiphenyl	9.001	334	461563	8.49	ng/uL		0.00
47) 2-Fluorobiphenyl	12.935	172	1437169	10.78	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.351	330	171856	11.11	ng/uL		-0.01
78) o-Terphenyl	18.659	230	1013311	11.59	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.225	74	1068	0.02	ng/uL#		1
3) Pyridine	3.353	79	252	0.00	ng/uL		99
5) Aniline	6.973	93	2587	0.26	ng/uL#		1
7) Phenol	6.914	94	11875	0.11	ng/uL#		1
8) Bis(2-chloroethyl)ether	7.118	93	141	0.00	ng/uL#		21
9) 2-Chlorophenol	0.000		0	N.D.			
10) 1,3-Dichlorobenzene	0.000		0	N.D.			
11) 1,4-Dichlorobenzene	0.000		0	N.D.			
12) 1,2-Dichlorobenzene	0.000		0	N.D.			
13) Bis(2-chloroisipropyl)...	8.243	45	517	0.00	ng/uL#		51
14) Benzyl Alcohol	7.917	108	3022	0.06	ng/uL		86
15) 2-Methylphenol	7.917	108	3022	0.04	ng/uL#		71
16) Acetophenone	8.465	105	8237	0.07	ng/uL		93
17) Hexachloroethane	8.774	119	251	0.01	ng/uL#		3
18) 4-Methylphenol	8.494	108	254	0.00	ng/uL#		1
19) N-Nitroso-di-n-propyla...	8.494	70	2561	0.05	ng/uL		90
22) Nitrobenzene	8.774	77	2977	0.04	ng/uL#		1
24) Isophorone	9.374	82	721	0.00	ng/uL#		58
25) 2-Chloroaniline	9.001	127	6108	0.06	ng/uL#		58
26) 2-Nitrophenol	0.000		0	N.D.			
27) 2,4-Dimethylphenol	0.000		0	N.D.			
28) Bis(2-chloroethoxy)methane	9.899	93	124	0.00	ng/uL#		16
29) 2,4-Dichlorophenol	0.000		0	N.D.			
30) Benzoic Acid	9.887	105	143	2.46	ng/uL#		11
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
32) Naphthalene	10.400	128	5487	0.02	ng/uL#		88
33) 4-Chloroaniline	10.563	127	2982	0.05	ng/uL#		44
34) 2,6-Dichlorophenol	0.000		0	N.D.			
35) Hexachlorobutadiene	0.000		0	N.D.			
36) Caprolactam	11.414	55	783	0.02	ng/uL#		31
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.			
38) 4-Chloro-3-methylphenol	11.740	107	215	0.00	ng/uL#		41
39) 2-Methylnaphthalene	12.020	142	627	0.00	ng/uL		95
40) 1-Methylnaphthalene	12.242	142	497	0.00	ng/uL#		84
41) 1,3 Dinitrobenzene	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-blk1.D
Acq On : 5 Oct 2014 12:57
Operator : JLB
Sample : 1410325-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 09:29:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

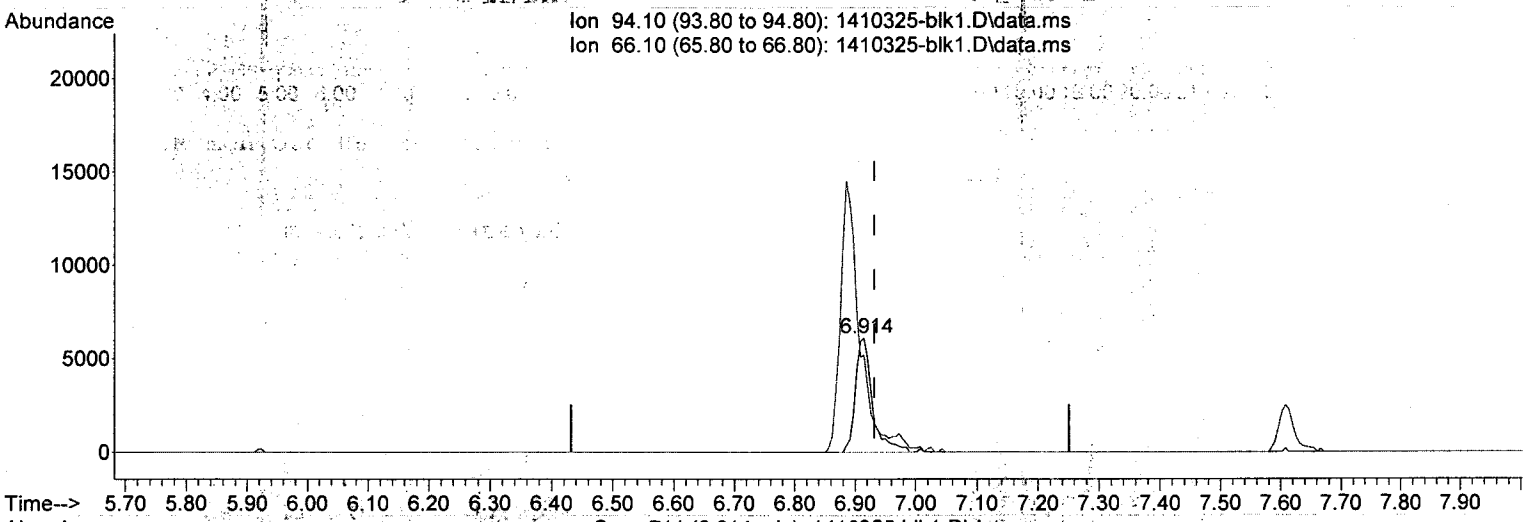
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.145	162	194	0.00	ng/uL#	1
49) 1,1'-Biphenyl	13.151	154	7480	0.04	ng/uL	95
50) 2-Nitroaniline	13.431	138	887	0.02	ng/uL	94
51) Acenaphthylene	14.113	152	160	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.		
53) Dimethyl Phthalate	13.950	163	4305	0.03	ng/uL#	90
54) 3-Nitroaniline	14.416	138	659	0.02	ng/uL#	1
55) Acenaphthene	14.544	153	294	0.00	ng/uL#	63
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.970	168	605	0.00	ng/uL#	84
58) 4-Nitrophenol	0.000		0	N.D.		
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.780	166	299	0.00	ng/uL#	47
63) Diethyl Phthalate	15.663	149	5779	0.04	ng/uL	100
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.		
65) 4-Nitroaniline	15.855	138	892	0.04	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.351	198	476	RT 1.01	ng/uL#	1
68) N-Nitroso-diphenylamine	16.141	169	3286	0.03	ng/uL#	91
69) 1,2-Diphenylhydrazine	16.258	182	1106	0.03	ng/uL#	40
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.470	200	707	0.02	ng/uL#	75
74) Pentachlorophenol	17.540	266	132	0.01	ng/uL#	25
75) Phenanthrene	17.942	178	2185	0.01	ng/uL#	73
76) Anthracene	18.035	178	472	0.00	ng/uL#	78
77) Carbazole	18.362	167	1649	0.01	ng/uL#	60
79) Di-n-butyl Phthalate	19.038	149	14405	0.07	ng/uL	96
80) Fluoroanthene	19.825	202	1188	0.01	ng/uL#	76
82) Pyrene	20.105	202	2916	0.02	ng/uL#	91
83) Butyl Benzyl Phthalate	20.944	149	1314	0.02	ng/uL	93
84) Bis(2-ethylhexyl) adipate	21.043	129	681	0.08	ng/uL#	100
85) Benzo(a)anthracene	21.533	228	3056	0.02	ng/uL#	1
86) Chrysene	21.556	228	2022	0.01	ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.573	149	28804	0.30	ng/uL	98
88) Di-n-octyl Phthalate	22.250	149	855	PP 0.44	ng/uL#	74
90) Benzo(b)fluoranthene	22.710	252	121	0.00	ng/uL#	56
91) Benzo(k)fluoranthene	22.710	252	121	0.00	ng/uL#	58
92) Benzo(a)pyrene	23.211	252	1339	0.01	ng/uL#	1
93) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
94) Dibenz(a,h)anthracene	0.000		0	N.D.		
95) Benzo(g,h,i)perylene	0.000		0	N.D.		

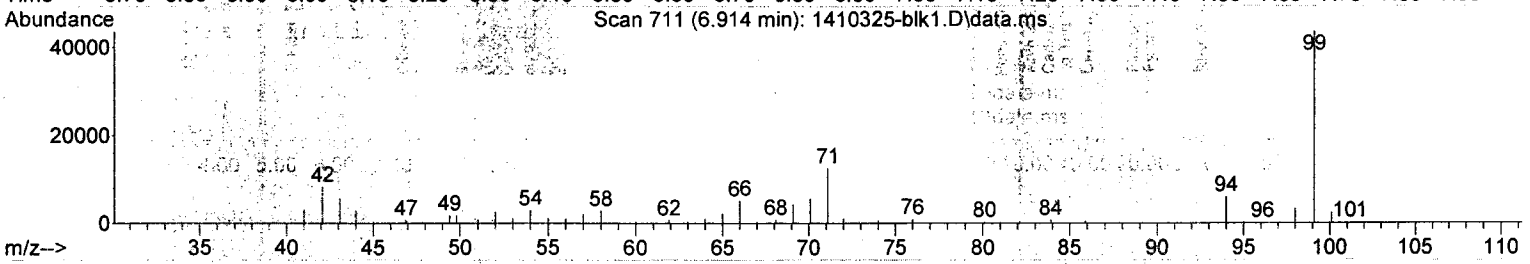
(#) = qualifier out of range (m) = manual integration (+) = signals summed

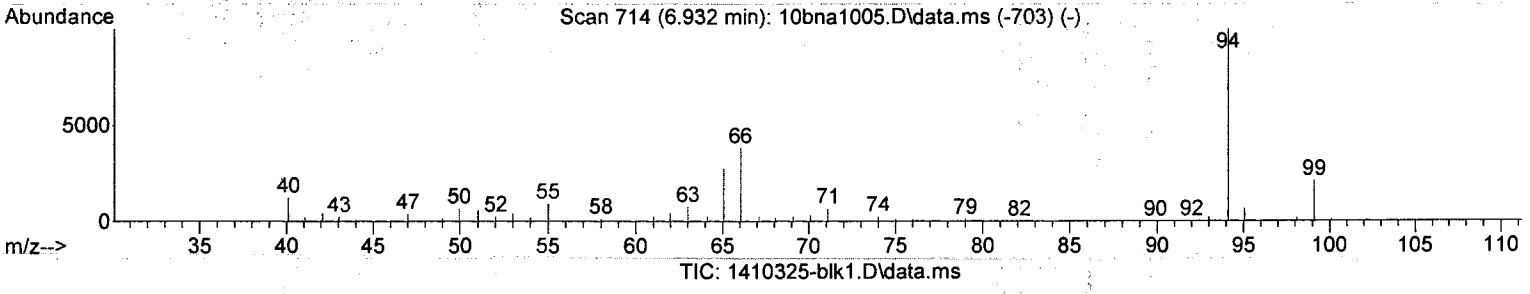
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-blk1.D
Acq On : 5 Oct 2014 12:57
Operator : JLB
Sample : 1410325-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 09:29:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1410325-blk1.D\data.ms

(7) Phenol (C)

6.914min (-0.017) 0.11 ng/uL

response 11875

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	275.97#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-blk1.D
Acq On : 5 Oct 2014 12:57
Operator : JLB
Sample : 1410325-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 09:17:49 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

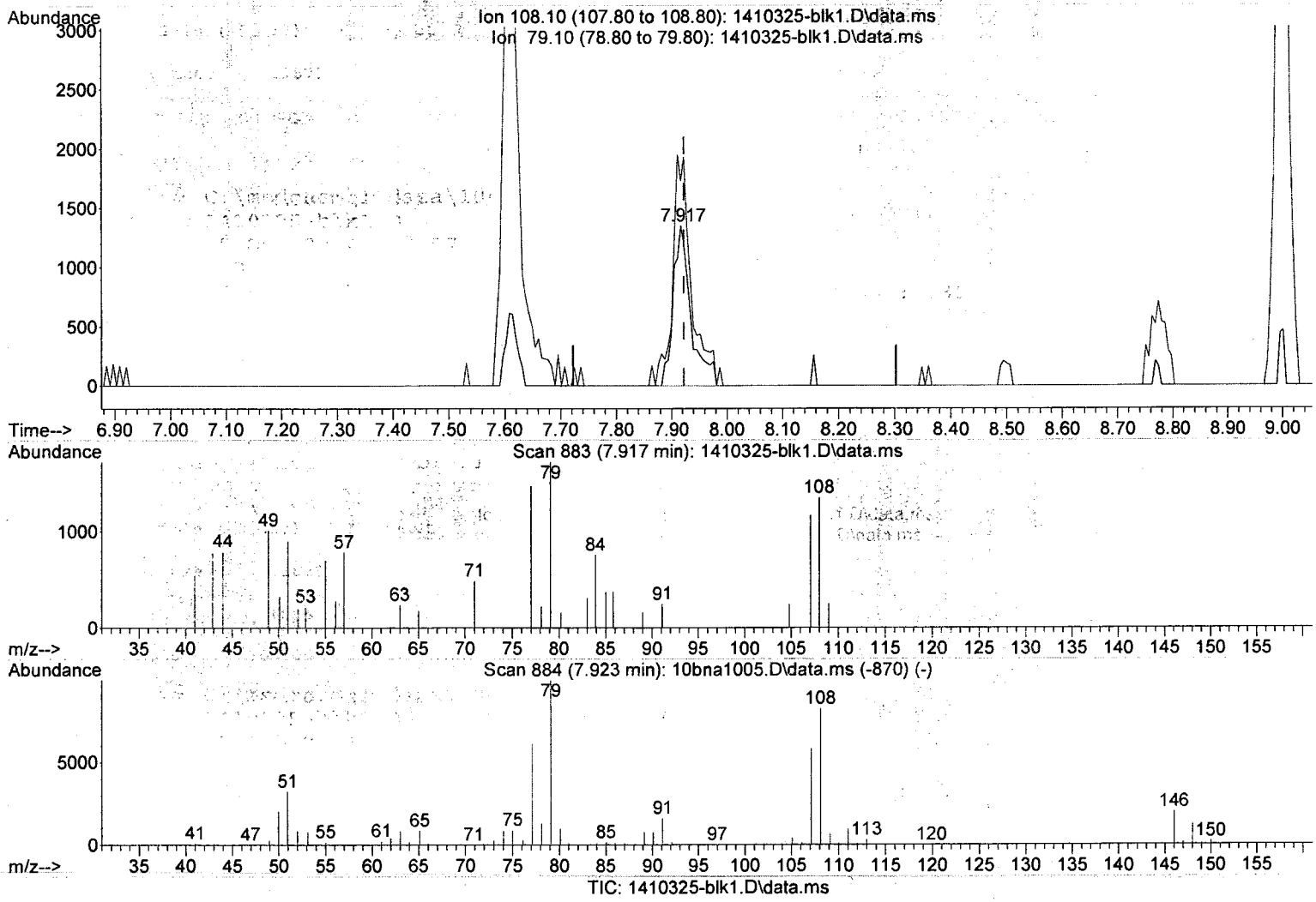
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	306206	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.353	136	1212936	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.468	164	644705	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.896	188	1019637	5.00	ng/uL		0.00
19) Chrysene-d12	21.533	240	804610	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	607734	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.225	74	1068	0.02	ng/uL	#	1
3) Pyridine	3.353	79	252	0.00	ng/uL		99
4) Aniline	6.973	93	2587	0.02	ng/uL	#	1
5) Benzaldehyde	6.763	105	3797	0.06	ng/uL	#	1
6) Acetophenone	8.465	105	8237	0.07	ng/uL		93
7) N-Nitroso-di-n-propyla...	8.494	70	2561	0.04	ng/uL		90
9) 4-Chloroaniline	10.400	127	650	0.02	ng/uL		93
10) Caprolactam	11.303	55	2788	0.17	ng/uL	#	37
12) 1,1'-Biphenyl	13.151	154	7480	0.04	ng/uL		95
13) 2-Nitroaniline	13.431	138	887	0.03	ng/uL		94
14) 3-Nitroaniline	14.416	138	659	Below Cal		#	1
15) 4-Nitroaniline	15.855	138	892	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.141	169	3286	0.03	ng/uL	#	91
18) Atrazine	17.470	200	707	Below Cal		#	75
20) Benzidine	20.035	184	199	0.41	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.509	252	447	0.01	ng/uL	#	58

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-blk1.D
Acq On : 5 Oct 2014 12:57
Operator : JLB
Sample : 1410325-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 09:29:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1410325-blk1.D\data.ms

(14) Benzyl Alcohol

7.917min (-0.006) 0.06 ng/uL

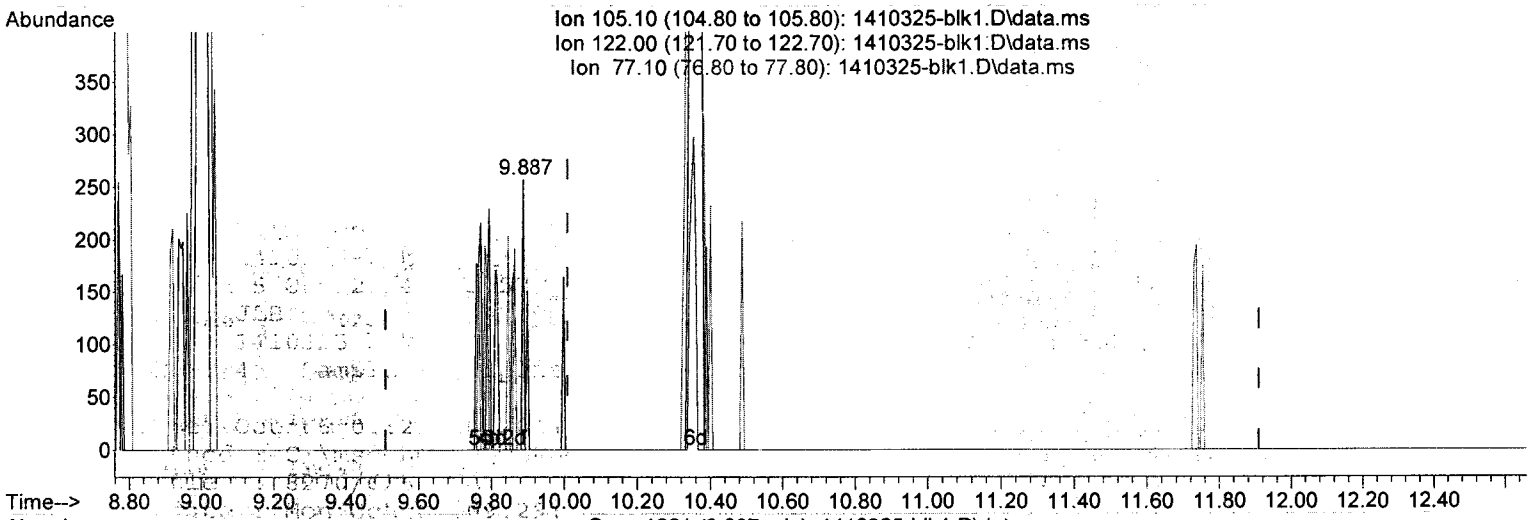
response 3022

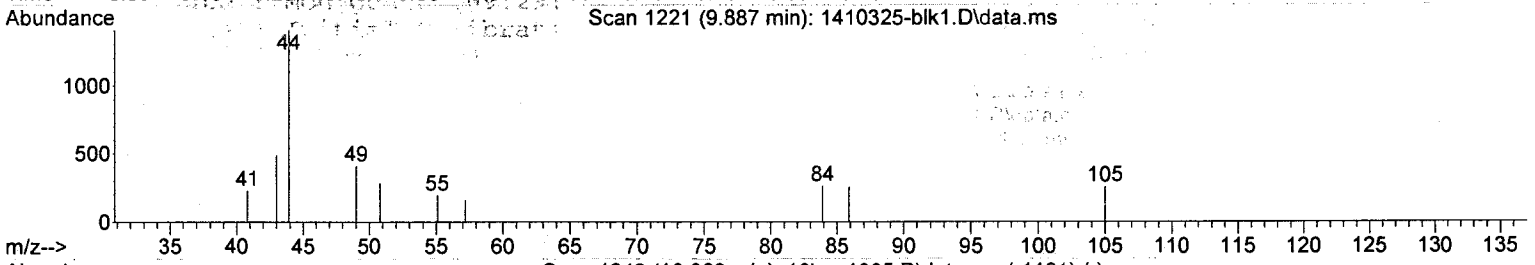
Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	155.82
0.00	0.00	0.00
0.00	0.00	0.00

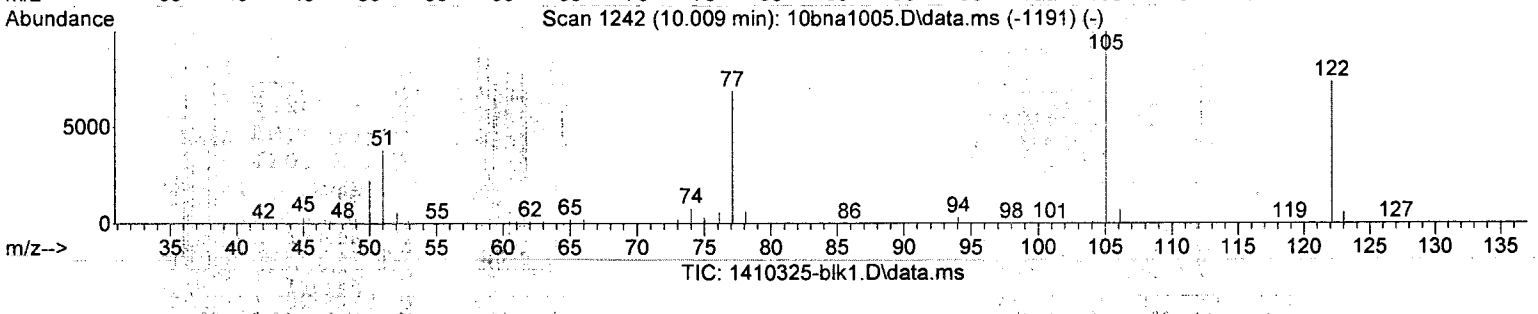
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-blk1.D
Acq On : 5 Oct 2014 12:57
Operator : JLB
Sample : 1410325-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 09:29:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1410325-blk1.D\data.ms

(30) Benzoic Acid

9.887min (-0.122) 2.46 ng/uL

response 143

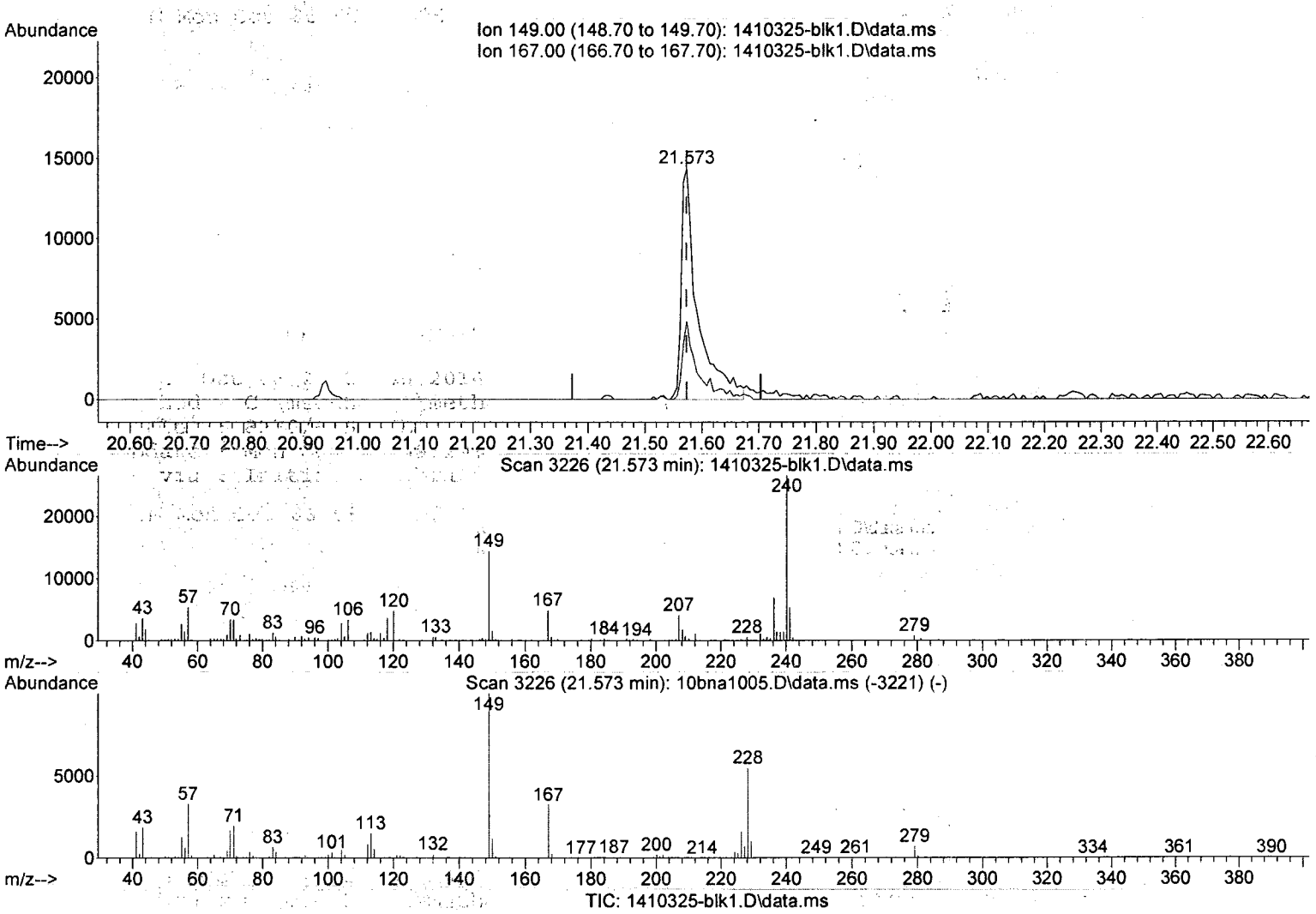
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	0.00#
0.00	0.00	0.00

pp

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-blk1.D
Acq On : 5 Oct 2014 12:57
Operator : JLB
Sample : 1410325-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 09:29:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1410325-blk1.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.573min (+ 0.000) 0.30 ng/uL

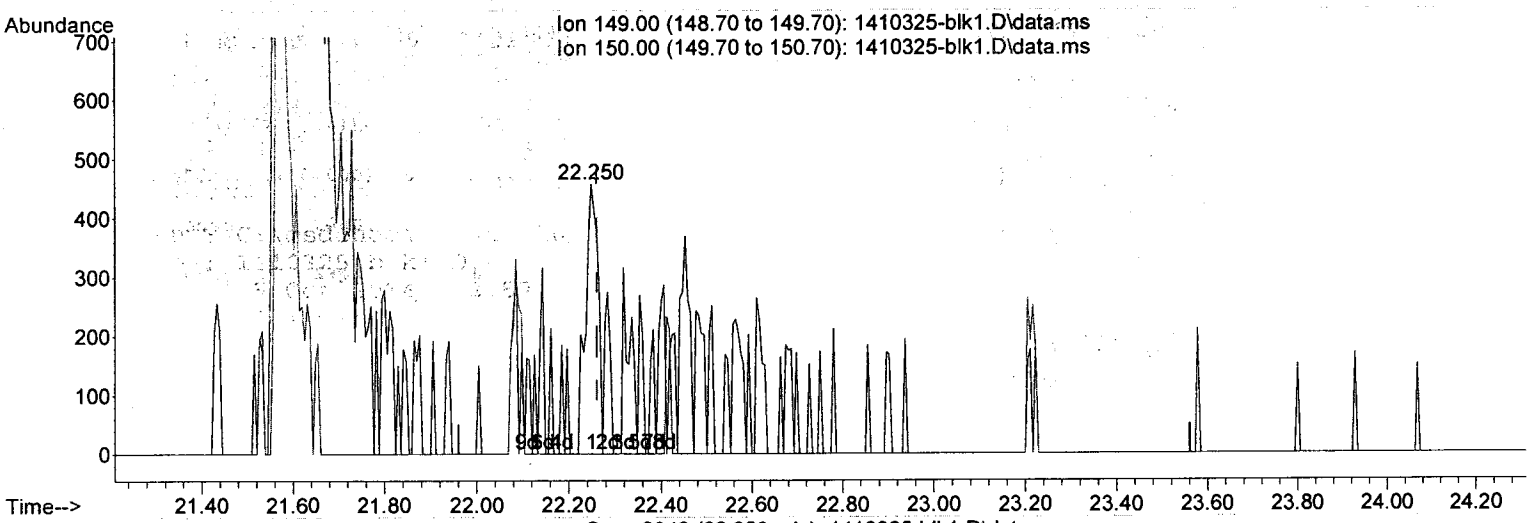
response 28804

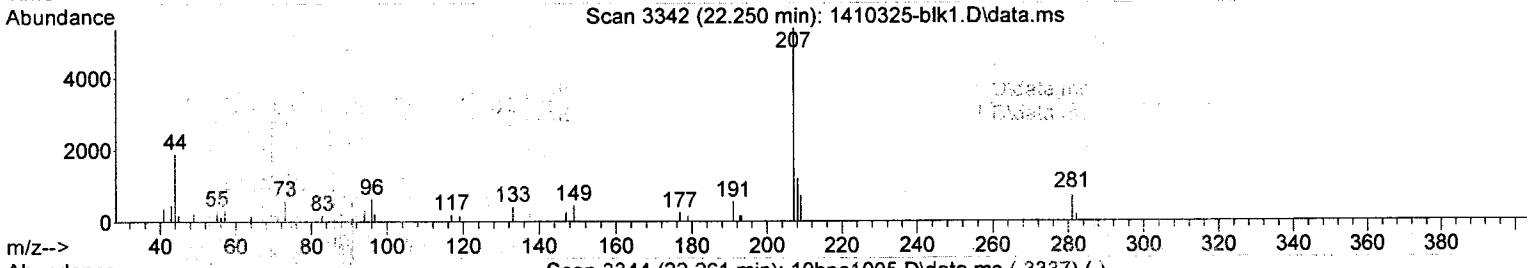
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	27.87
0.00	0.00	0.00
0.00	0.00	0.00

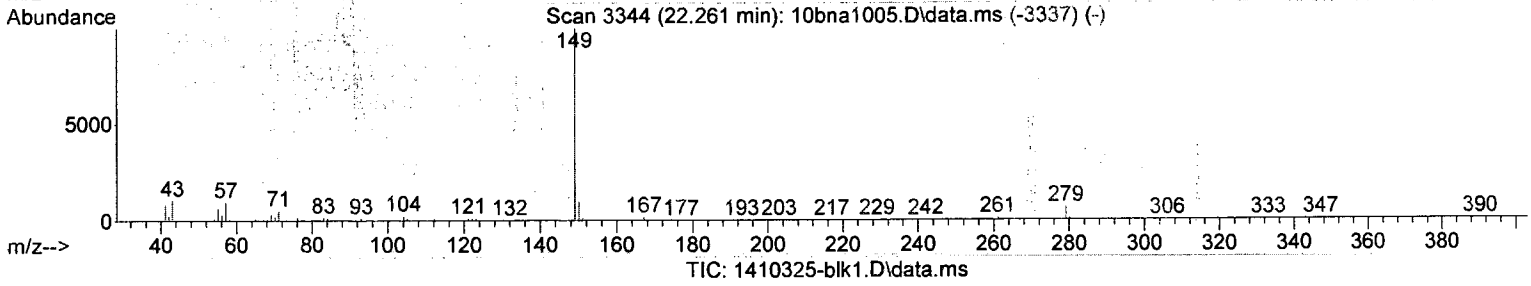
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-blk1.D
Acq On : 5 Oct 2014 12:57
Operator : JLB
Sample : 1410325-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 09:29:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1410325-blk1.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.250min (-0.012) 0.34 ng/uL

response 855

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410423-BLK1
File ID: 1410423-blk1.D
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 13:30
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	86	ug/kg wet	69	170	330	J
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3′-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410423-BLK1
File ID: 1410423-blk1.D
Prepared: 09/30/14 07:32
Analyzed: 10/05/14 13:30
Preparation: 3550C Sonication Extract
Initial/Final: 28.8 grams / 1 mL
QC Batch: 1410423
Sequence: 4J06022
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	17	ug/kg wet	3.9	17	17	U
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	19	ug/kg wet	12	17	33	J
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	17	ug/kg wet	3.9	17	170	U
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	694	508	73	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410423-BLK1 File ID: 1410423-blk1.D

Prepared: 09/30/14 07:32 Analyzed: 10/05/14 13:30

Preparation: 3550C Sonication Extract Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410423 Sequence: 4J06022 Calibration: 4J06006 Instrument: 339

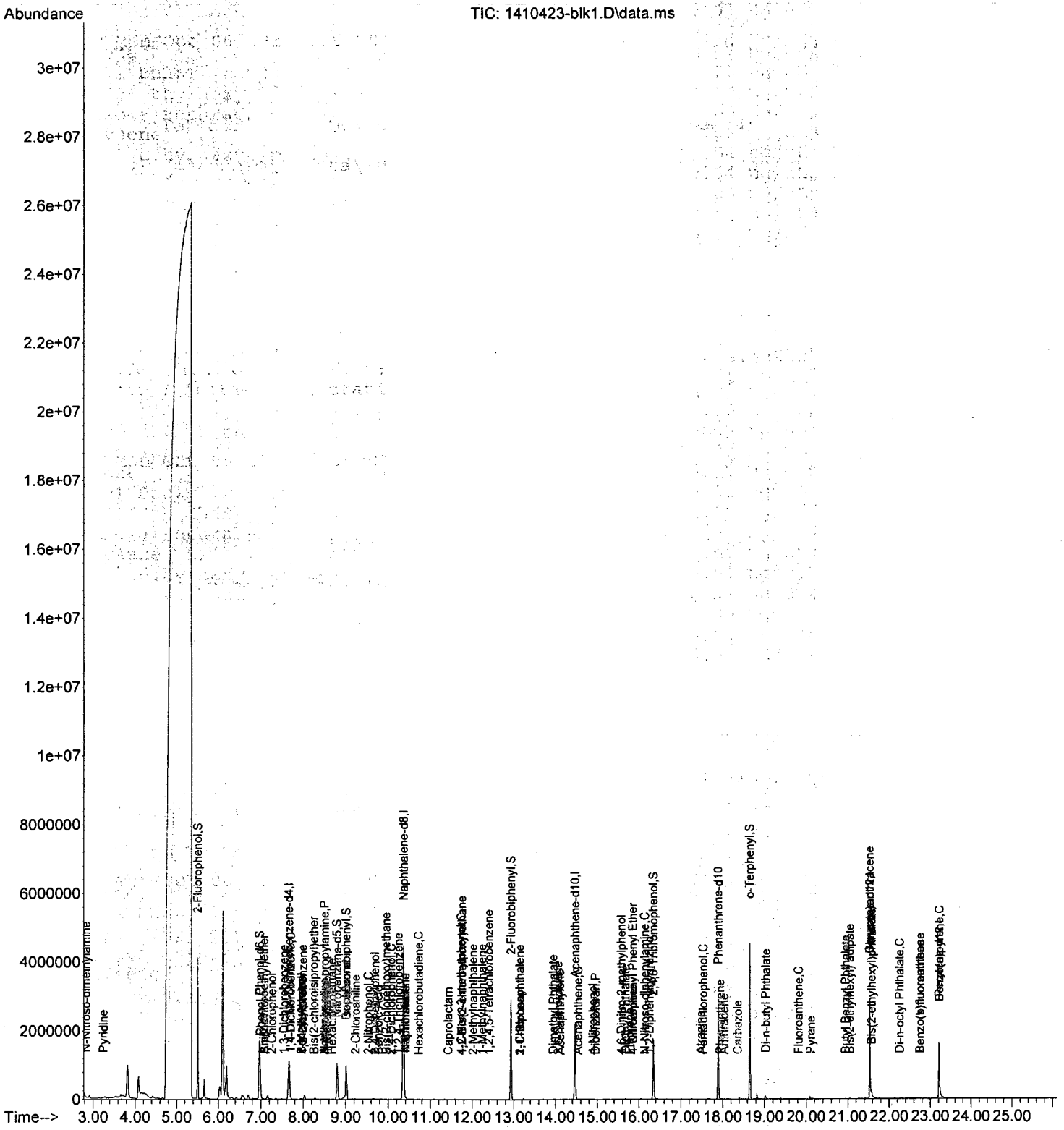
System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	694	397	57	30 - 115	
Nitrobenzene-d5	347	267	77	33 - 131	
2-Fluorobiphenyl	347	297	86	46 - 122	
2,4,6-Tribromophenol	694	458	66	12 - 124	
o-Terphenyl	347	306	88	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	435898	7.66	403279	7.614	
Naphthalene-d8	1588906	10.365	1529030	10.359	
Acenaphthene-d10	953522	14.468	866604	14.474	
Phenanthrene-d10	1569333	17.895	1400442	17.901	
Chrysene-d12	1295146	21.532	1153654	21.538	
Perylene-d12	1019434	23.211	991596	23.211	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-blk1.D
Acq On : 5 Oct 2014 13:30
Operator : JLB
Sample : 1410423-blk1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 09:33:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-blk1.D
Acq On : 5 Oct 2014 13:30
Operator : JLB
Sample : 1410423-blk1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 09:33:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.660	152	435898	5.00	ng/uL	#	0.05
20) Naphthalene-d8	10.365	136	1588906	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.468	164	953522	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.895	188	1569333	5.00	ng/uL		0.00
81) Chrysene-d12	21.532	240	1295146	5.00	ng/uL	#	0.00
89) Perylene-d12	23.211	264	1019434	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.510	112	1458096m	14.64	ng/uL		0.33
6) Phenol-d6	6.973	99	1474467	11.44	ng/uL		0.06
21) Nitrobenzene-d5	8.797	82	781215	7.69	ng/uL		0.01
23) Decafluorobiphenyl	9.013	334	531502	7.46	ng/uL		0.00
47) 2-Fluorobiphenyl	12.935	172	1684049	8.55	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.351	330	314219	13.20	ng/uL		-0.01
78) o-Terphenyl	18.659	230	1185361	8.81	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.828	74	1753	0.03	ng/uL		95
3) Pyridine	3.248	79	246	0.00	ng/uL		83
5) Aniline	7.072	93	677	0.23	ng/uL	#	1
7) Phenol	6.996	94	2077	0.01	ng/uL	#	1
8) Bis(2-chloroethyl)ether	7.072	93	677	0.01	ng/uL	#	59
9) 2-Chlorophenol	7.258	128	336	0.00	ng/uL	#	43
10) 1,3-Dichlorobenzene	7.544	146	3855	0.03	ng/uL	#	25
11) 1,4-Dichlorobenzene	7.701	146	2651	0.02	ng/uL	#	51
12) 1,2-Dichlorobenzene	7.993	146	3408	0.03	ng/uL	#	1
13) Bis(2-chloroisipropyl)...	8.255	45	1963	0.01	ng/uL	#	34
14) Benzyl Alcohol	7.958	108	516	0.01	ng/uL	#	1
15) 2-Methylphenol	7.958	108	516	0.00	ng/uL	#	1
16) Acetophenone	8.494	105	1885	0.01	ng/uL	#	70
17) Hexachloroethane	8.674	119	1089	0.02	ng/uL	#	49
18) 4-Methylphenol	8.546	108	329	0.00	ng/uL	#	47
19) N-Nitroso-di-n-propyla...	8.505	70	766	0.01	ng/uL		98
22) Nitrobenzene	8.797	77	3856	0.03	ng/uL	#	1
24) Isophorone	9.013	82	324	0.00	ng/uL		94
25) 2-Chloroaniline	9.234	127	192	0.00	ng/uL	#	9
26) 2-Nitrophenol	9.531	139	55	0.00	ng/uL	#	1
27) 2,4-Dimethylphenol	9.689	107	136	0.00	ng/uL	#	5
28) Bis(2-chlorethoxy)methane	9.951	93	108	0.00	ng/uL		84
29) 2,4-Dichlorophenol	10.068	162	170	0.00	ng/uL	#	9
30) Benzoic Acid	9.770	105	3483	2.49	ng/uL		94
31) 1,2,4-Trichlorobenzene	10.242	180	1808	0.02	ng/uL		87
32) Naphthalene	10.406	128	30964	0.10	ng/uL		96
33) 4-Chloroaniline	10.406	127	3735	0.05	ng/uL		96
34) 2,6-Dichlorophenol	0.000		0	N.D.			
35) Hexachlorobutadiene	10.726	225	248	0.00	ng/uL	#	41
36) Caprolactam	11.426	55	306	0.01	ng/uL	#	1
37) 1,2-Bis(2-chloroethoxy...	11.758	63	125	0.00	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.740	107	511	0.01	ng/uL	#	27
39) 2-Methylnaphthalene	12.026	142	2604	0.01	ng/uL		87
40) 1-Methylnaphthalene	12.242	142	2008	0.01	ng/uL		96
41) 1,3 Dinitrobenzene	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-blk1.D
Acq On : 5 Oct 2014 13:30
Operator : JLB
Sample : 1410423-blk1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 09:33:25 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.405	216	66	0.00	ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.151	162	1320	0.01	ng/uL	98
49) 1,1'-Biphenyl	13.157	154	2276	0.01	ng/uL#	66
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	14.113	152	902	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	14.066	165	191	0.00	ng/uL#	36
53) Dimethyl Phthalate	13.949	163	3244	0.02	ng/uL#	78
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	14.538	153	875	0.00	ng/uL#	87
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.958	168	384	0.00	ng/uL#	79
58) 4-Nitrophenol	14.894	65	246	0.01	ng/uL#	6
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.774	166	549	0.00	ng/uL#	63
63) Diethyl Phthalate	15.669	149	6693	0.03	ng/uL	99
64) 4-Chlorophenyl Phenyl ...	15.850	204	56	0.00	ng/uL#	1
65) 4-Nitroaniline	15.855	138	197	0.01	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.576	198	107	RT 0.99	ng/uL#	1
68) N-Nitroso-diphenylamine	16.141	169	798	0.00	ng/uL#	89
69) 1,2-Diphenylhydrazine	16.252	182	762	0.01	ng/uL#	41
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.470	200	121	0.00	ng/uL	87
74) Pentachlorophenol	17.534	266	864	0.03	ng/uL#	57
75) Phenanthrene	17.942	178	2439	0.01	ng/uL#	88
76) Anthracene	18.035	178	499	0.00	ng/uL#	78
77) Carbazole	18.362	167	1004	0.00	ng/uL#	78
79) Di-n-butyl Phthalate	19.038	149	14233	0.05	ng/uL	100
80) Fluoroanthene	19.819	202	786	0.00	ng/uL	97
82) Pyrene	20.110	202	1058	0.00	ng/uL#	1
83) Butyl Benzyl Phthalate	20.944	149	1931	0.02	ng/uL	98
84) Bis(2-ethylhexyl) adipate	21.043	129	756	0.08	ng/uL#	100
85) Benzo(a)anthracene	21.532	228	7013	0.03	ng/uL#	1
86) Chrysene	21.532	228	7013	0.03	ng/uL#	89
87) Bis(2-ethylhexyl)phtha...	21.573	149	84149	0.54	ng/uL	93
88) Di-n-octyl Phthalate	22.255	149	1348	RT 0.34	ng/uL#	85
90) Benzo(b)fluoroanthene	22.751	252	140	0.00	ng/uL#	56
91) Benzo(k)fluoranthene	22.751	252	140	0.00	ng/uL#	58
92) Benzo(a)pyrene	23.217	252	2853	0.02	ng/uL#	1
93) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
94) Dibdenz(a,h)anthracene	0.000		0	N.D.		
95) Benzo(g,h,i)Perylene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-blk1.D
Acq On : 5 Oct 2014 13:30
Operator : JLB
Sample : 1410423-blk1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 09:19:09 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

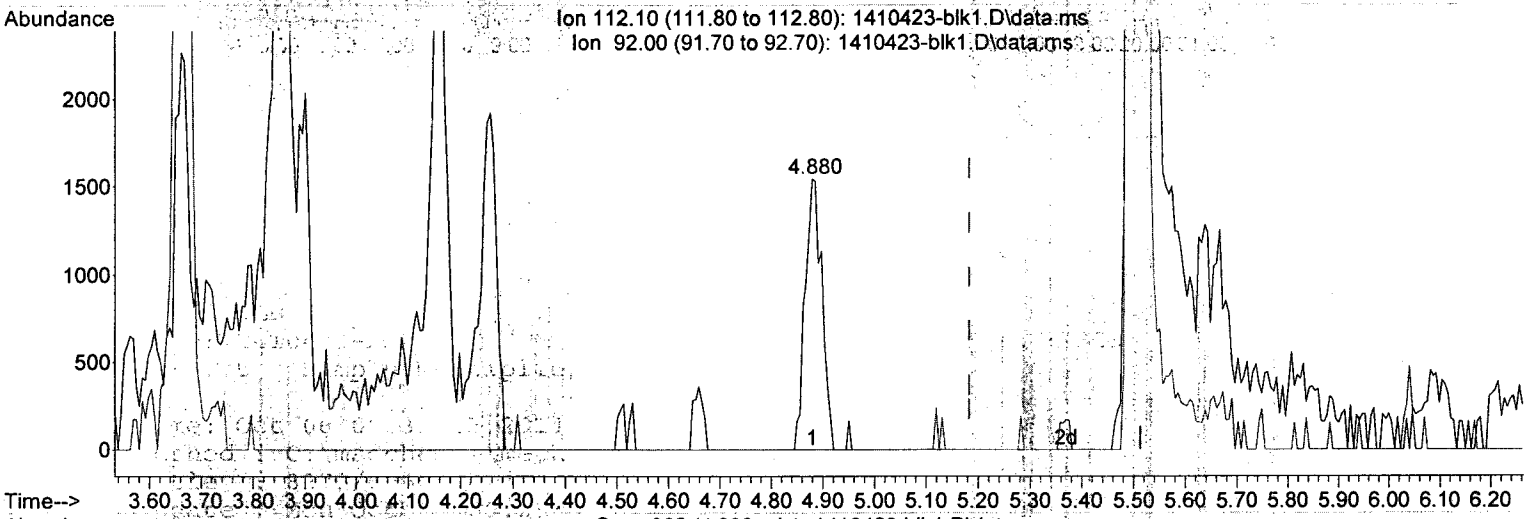
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.660	152	428126	5.00	ng/uL	#	0.05
8) Naphthalene-d8	10.365	136	1588906	5.00	ng/uL		0.01
11) Acenaphthene-d10	14.468	164	952546	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.895	188	1569333	5.00	ng/uL		0.00
19) Chrysene-d12	21.532	240	1295146	5.00	ng/uL	#	0.00
22) Perylene-d12	23.211	264	1037741	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.172	74	711	0.01	ng/uL	#	72
3) Pyridine	3.248	79	246	0.00	ng/uL		83
4) Aniline	7.072	93	677	0.00	ng/uL	#	1
5) Benzaldehyde	6.763	105	1433	0.02	ng/uL	#	61
6) Acetophenone	8.494	105	1885	0.01	ng/uL	#	70
7) N-Nitroso-di-n-propyla...	8.505	70	766	0.01	ng/uL	#	24
9) 4-Chloroaniline	10.569	127	580	0.01	ng/uL		86
10) Caprolactam	11.332	55	3556	0.16	ng/uL	#	64
12) 1,1'-Biphenyl	13.157	154	2276	0.01	ng/uL	#	66
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.855	138	197	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.141	169	798	0.00	ng/uL	#	89
18) Atrazine	17.470	200	121	Below Cal			87
20) Benzidine	0.000		0	N.D.			
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

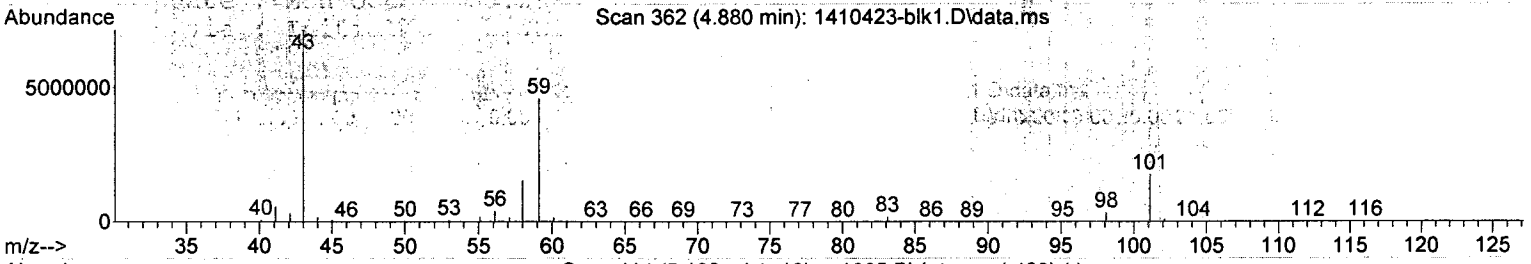
(#) = qualifier out of range (m) = manual integration (+) = signals summed

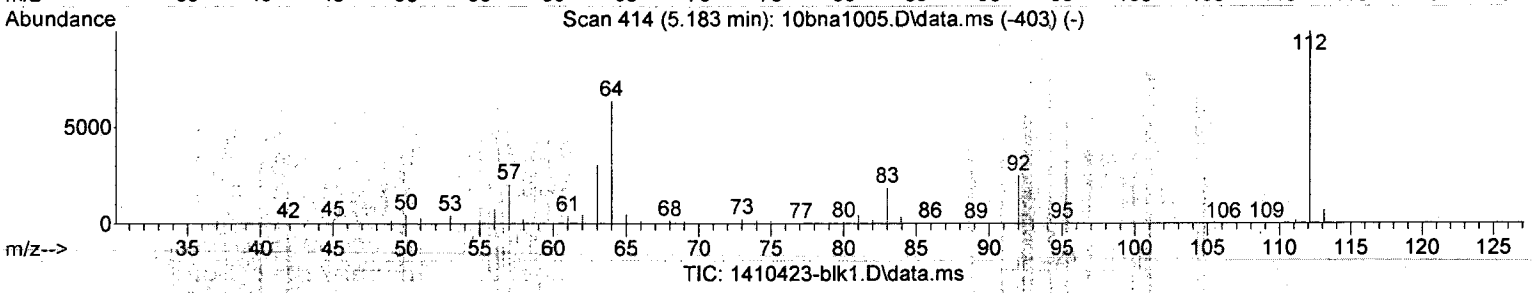
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-blk1.D
Acq On : 5 Oct 2014 13:30
Operator : JLB
Sample : 1410423-blk1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 09:33:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1410423-blk1.D\data.ms

(4) 2-Fluorophenol (S)

4.880min (-0.303) 0.03 ng/uL

response 3423

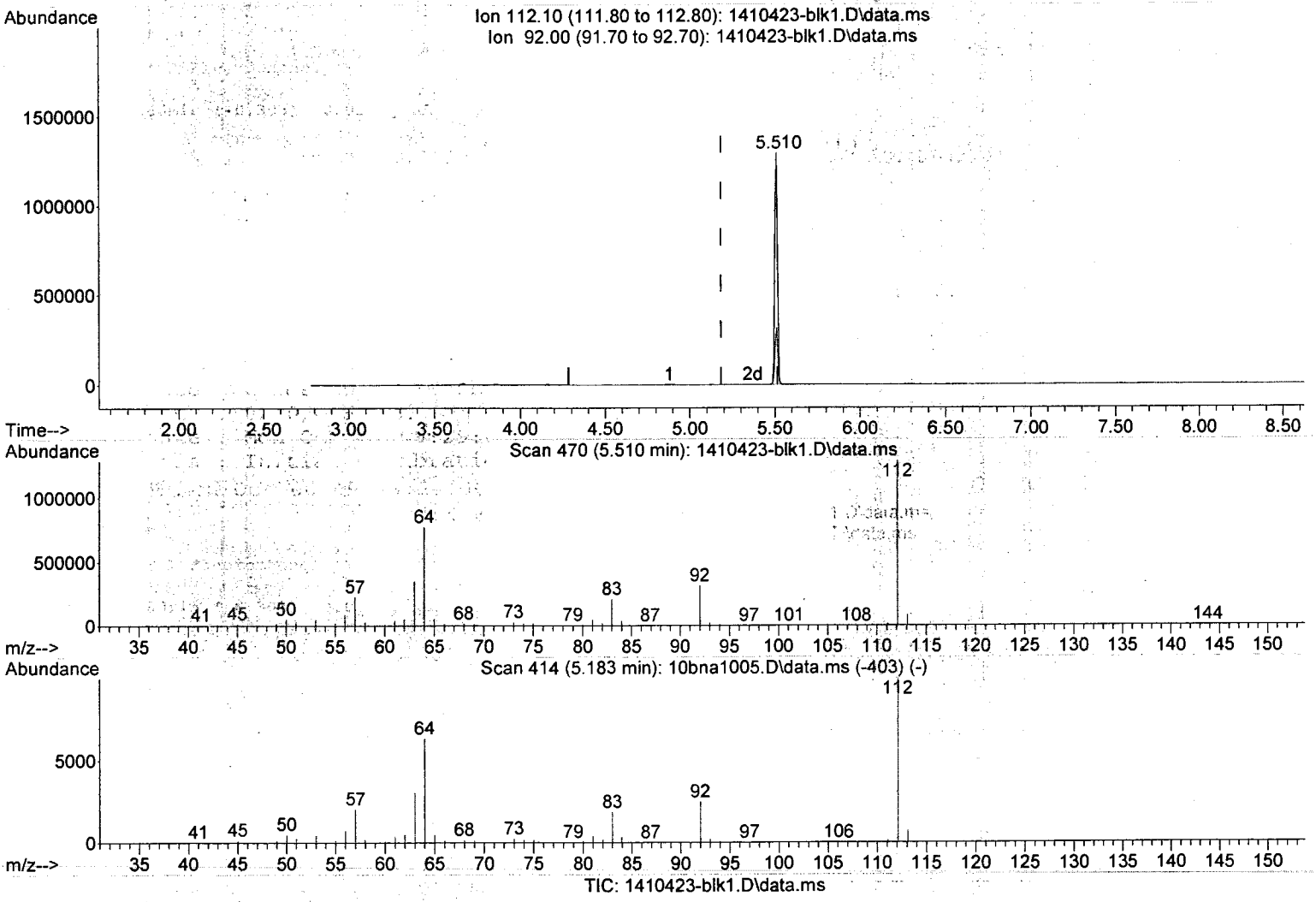
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

JMS 10/6/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-blk1.D
Acq On : 5 Oct 2014 13:30
Operator : JLB
Sample : 1410423-blk1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 09:33:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1410423-blk1.D\data.ms

(4) 2-Fluorophenol (S)

5.510min (+ 0.326) 14.64 ng/uL m

response 1458096

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

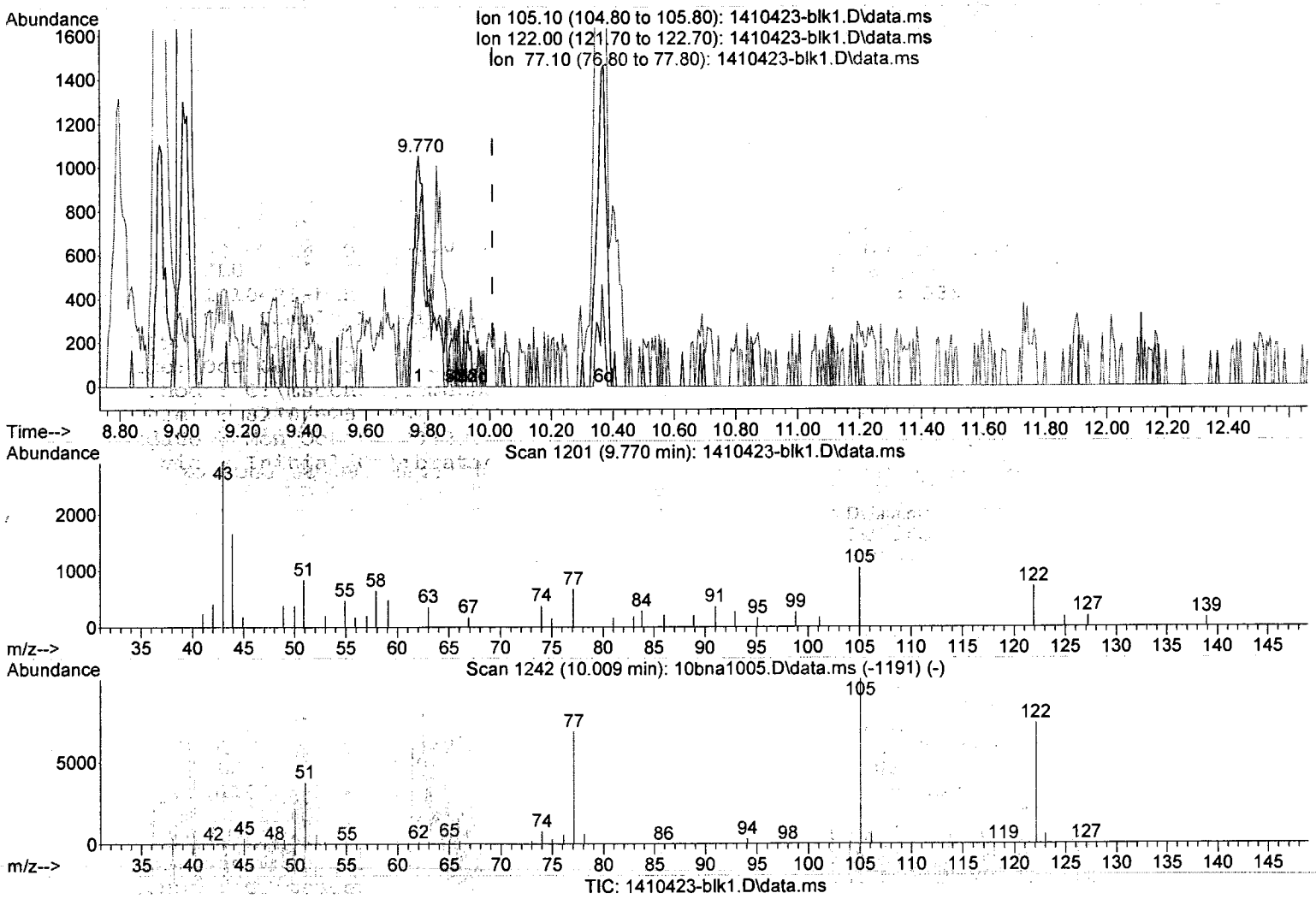
Analyst: JLB Date: 10/10/14

Reviewed By: ASC Date: 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-blk1.D
Acq On : 5 Oct 2014 13:30
Operator : JLB
Sample : 1410423-blk1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 09:33:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.770min (-0.239) 2.49 ng/uL

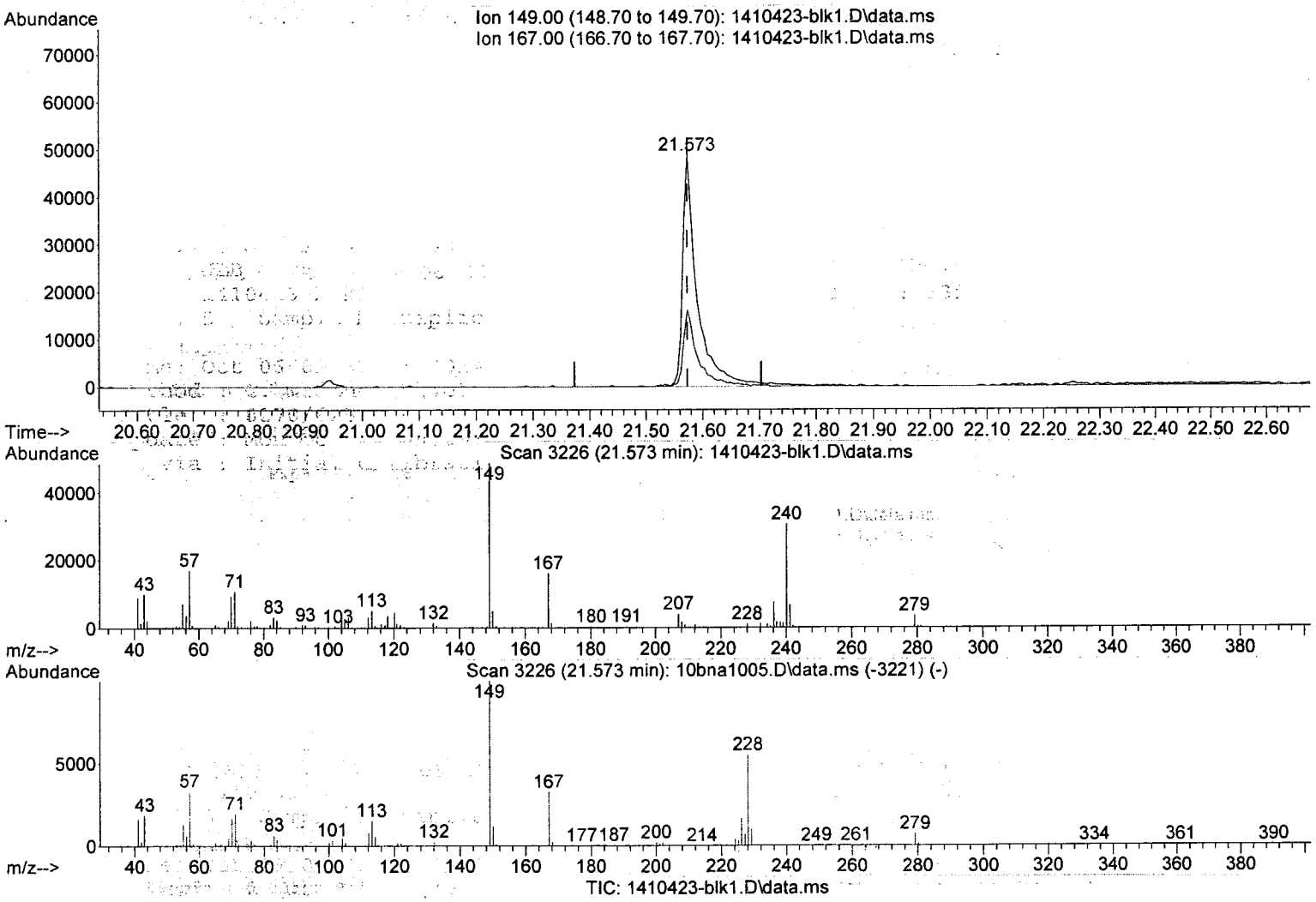
response 3483

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	80.96
77.10	74.70	83.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-blk1.D
Acq On : 5 Oct 2014 13:30
Operator : JLB
Sample : 1410423-blk1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 09:33:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1410423-blk1.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.573min (-0.000) 0.54 ng/uL

response 84149

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.02
0.00	0.00	0.00
0.00	0.00	0.00

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410423-BLK2 File ID: 1410423-blk2.D

Prepared: 10/06/14 12:32 Analyzed: 10/07/14 10:41

Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	170	ug/kg wet	69	170	330	U
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3′-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410423-BLK2 File ID: 1410423-blk2.D

Prepared: 10/06/14 12:32 Analyzed: 10/07/14 10:41

Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410423 Sequence: 4J08017 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	17	ug/kg wet	3.9	17	17	U
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	17	ug/kg wet	12	17	33	U
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	6.3	ug/kg wet	3.9	17	170	J
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	697	569	82	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410423-BLK2
File ID: 1410423-blk2.D
Prepared: 10/06/14 12:32
Analyzed: 10/07/14 10:41
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410423
Sequence: 4J08017
Calibration: 4J06006
Instrument: 339

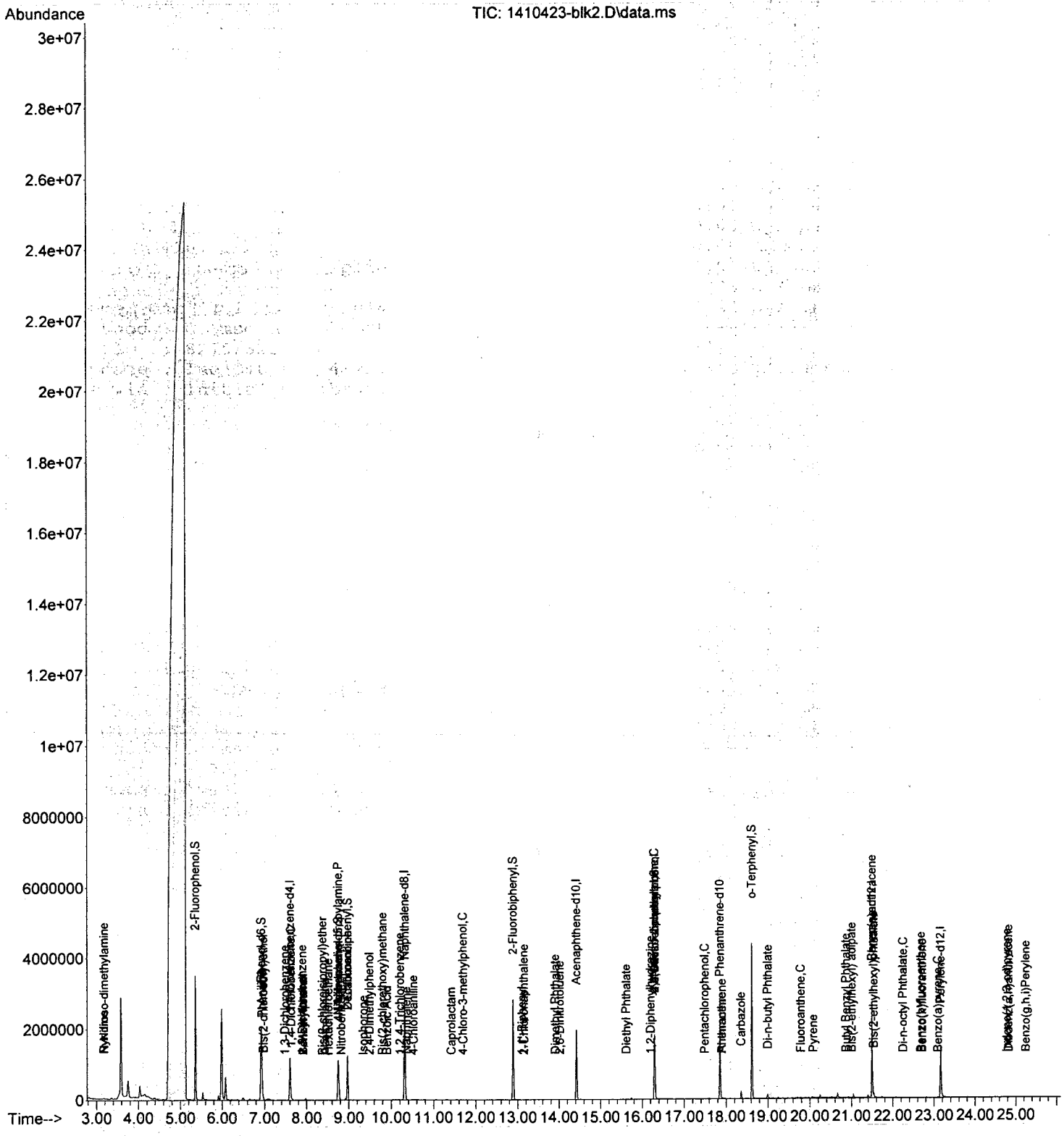
System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	697	598	86	30 - 115	
Nitrobenzene-d5	348	300	86	33 - 131	
2-Fluorobiphenyl	348	317	91	46 - 122	
2,4,6-Tribromophenol	697	601	86	12 - 124	
o-Terphenyl	348	352	101	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	366861	7.602	403279	7.614	
Naphthalene-d8	1403696	10.318	1529030	10.359	
Acenaphthene-d10	801841	14.422	866604	14.474	
Phenanthrene-d10	1281892	17.855	1400442	17.901	
Chrysene-d12	1042023	21.497	1153654	21.538	
Perylene-d12	856210	23.164	991596	23.211	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-blk2.D
Acq On : 7 Oct 2014 10:41
Operator : JLB
Sample : 1410423-blk2 Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 14:23:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-blk2.D
Acq On : 7 Oct 2014 10:41
Operator : JLB
Sample : 1410423-blk2 Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 14:23:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.602	152	366861	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.318	136	1403696	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.422	164	801841	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.855	188	1281892	5.00	ng/uL	0.00
81) Chrysene-d12	21.497	240	1042023	5.00	ng/uL	# 0.00
89) Perylene-d12	23.164	264	856210	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.358	112	1367616	16.32	ng/uL	0.20
6) Phenol-d6	6.926	99	1862021	17.16	ng/uL	0.04
21) Nitrobenzene-d5	8.750	82	771698	8.60	ng/uL	0.00
23) Decafluorobiphenyl	8.972	334	572450	9.10	ng/uL	0.00
47) 2-Fluorobiphenyl	12.889	172	1505817	9.09	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.304	330	335454	17.25	ng/uL	-0.01
78) o-Terphenyl	18.618	230	1108752	10.09	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.184	74	146	0.00	ng/uL#	1
3) Pyridine	3.178	79	1443	0.02	ng/uL#	30
5) Aniline	6.938	93	239	0.23	ng/uL#	1
7) Phenol	6.943	94	22330	0.18	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.973	93	124	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.480	146	1164	0.01	ng/uL#	1
11) 1,4-Dichlorobenzene	7.625	146	522	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	7.893	146	141	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.383	45	298	0.00	ng/uL	95
14) Benzyl Alcohol	7.917	108	481	0.01	ng/uL#	17
15) 2-Methylphenol	7.917	108	481	0.01	ng/uL#	1
16) Acetophenone	8.436	105	610	0.00	ng/uL#	9
17) Hexachloroethane	8.517	119	62	0.00	ng/uL#	3
18) 4-Methylphenol	8.756	108	140	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.750	70	103053	1.56	ng/uL#	4
22) Nitrobenzene	8.820	77	53	0.00	ng/uL#	30
24) Isophorone	9.345	82	265	0.00	ng/uL#	58
25) 2-Chloroaniline	8.972	127	7412	0.06	ng/uL#	63
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.491	107	56	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.794	93	242	0.00	ng/uL#	78
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.899	105	134	2.46	ng/uL#	20
31) 1,2,4-Trichlorobenzene	10.202	180	651	0.01	ng/uL	97
32) Naphthalene	10.353	128	428	0.00	ng/uL#	1
33) 4-Chloroaniline	10.516	127	162	0.00	ng/uL#	1
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.420	55	111	0.00	ng/uL#	1
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	11.700	107	154	0.00	ng/uL#	14
39) 2-Methylnaphthalene	0.000		0	N.D.		
40) 1-Methylnaphthalene	0.000		0	N.D.		
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-blk2.D
Acq On : 7 Oct 2014 10:41
Operator : JLB
Sample : 1410423-blk2 Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 14:23:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.151	162	57	0.00	ng/uL#	35
49) 1,1'-Biphenyl	13.104	154	772	0.00	ng/uL#	78
50) 2-Nitroaniline	0.000		0	N.D.		
51) Acenaphthylene	0.000		0	N.D.		
52) 2,6-Dinitrotoluene	14.019	165	71	0.00	ng/uL#	31
53) Dimethyl Phthalate	13.903	163	3804	0.02	ng/uL	91
54) 3-Nitroaniline	0.000		0	N.D.		
55) Acenaphthene	0.000		0	N.D.		
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	0.000		0	N.D.		
58) 4-Nitrophenol	0.000		0	N.D.		
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	0.000		0	N.D.		
63) Diethyl Phthalate	15.616	149	6366	0.04	ng/uL	99
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.		
65) 4-Nitroaniline	0.000		0	N.D.		
67) 4,6-Dinitro-2-methylph...	16.304	198	991	RT 1.02	ng/uL#	1
68) N-Nitroso-diphenylamine	16.298	169	13204	0.09	ng/uL#	40
69) 1,2-Diphenylhydrazine	16.205	182	264	0.01	ng/uL#	46
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	0.000		0	N.D.		
74) Pentachlorophenol	17.487	266	84	0.00	ng/uL#	1
75) Phenanthrene	17.895	178	916	0.00	ng/uL#	73
76) Anthracene	17.895	178	916	0.00	ng/uL#	78
77) Carbazole	18.356	167	3761	0.02	ng/uL#	60
79) Di-n-butyl Phthalate	18.997	149	60103	< MDL 0.24	ng/uL	99
80) Fluoroanthene	19.784	202	208	0.00	ng/uL#	62
82) Pyrene	20.075	202	301	0.00	ng/uL#	1
83) Butyl Benzyl Phthalate	20.868	149	343	0.00	ng/uL	84
84) Bis(2-ethylhexyl) adipate	21.008	129	553	0.08	ng/uL#	100
85) Benzo(a)anthracene	21.497	228	2764	0.01	ng/uL#	1
86) Chrysene	21.497	228	2764	< MDL 0.01	ng/uL#	81
87) Bis(2-ethylhexyl)phtha...	21.538	149	32168	0.26	ng/uL	94
88) Di-n-octyl Phthalate	22.249	149	1655	PR 0.35	ng/uL#	74
90) Benzo(b)fluoroanthene	22.681	252	134	0.00	ng/uL#	56
91) Benzo(k)fluoranthene	22.716	252	114	0.00	ng/uL#	58
92) Benzo(a)pyrene	23.095	252	63	0.00	ng/uL#	57
93) Indeno(1,2,3-cd)pyrene	24.785	276	118	0.00	ng/uL#	46
94) Dibdenz(a,h)anthracene	24.826	278	173	0.00	ng/uL#	60
95) Benzo(g,h,i)Perylene	25.251	276	111	0.00	ng/uL#	48

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-blk2.D
Acq On : 7 Oct 2014 10:41
Operator : JLB
Sample : 1410423-blk2 Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 11:40:20 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration

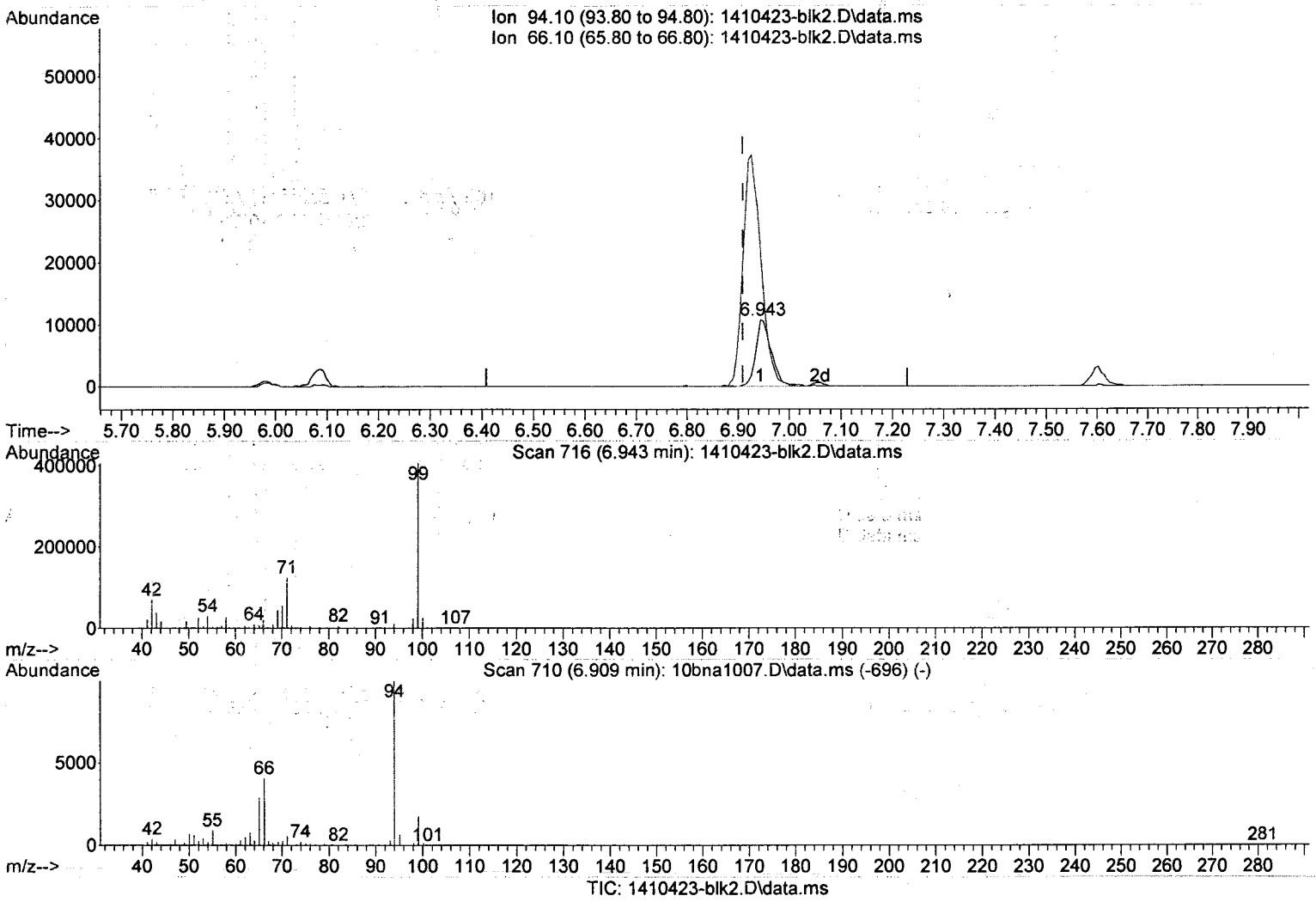
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.602	152	363625	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.318	136	1403696	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.422	164	801313	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.855	188	1282821	5.00	ng/uL		0.00
19) Chrysene-d12	21.497	240	1042023	5.00	ng/uL	#	0.00
22) Perylene-d12	23.164	264	866852	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.423	74	3003	0.05	ng/uL		87
3) Pyridine	3.178	79	1443	0.01	ng/uL#		30
4) Aniline	6.938	93	239	0.00	ng/uL#		1
5) Benzaldehyde	6.774	105	767	0.01	ng/uL#		1
6) Acetophenone	8.436	105	610	0.00	ng/uL#		9
7) N-Nitroso-di-n-propyla...	8.750	70	103053	1.47	ng/uL#		4
9) 4-Chloroaniline	10.516	127	162	0.01	ng/uL#		1
10) Caprolactam	11.292	55	1707	0.13	ng/uL#		51
12) 1,1'-Biphenyl	13.104	154	772	0.00	ng/uL#		78
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.298	169	13204	0.09	ng/uL#		40
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.011	184	118	0.41	ng/uL#		71
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-blk2.D
Acq On : 7 Oct 2014 10:41
Operator : JLB
Sample : 1410423-blk2 Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 14:23:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



TIC: 1410423-blk2.D\data.ms

(7) Phenol (C)

6.943min (+ 0.035) 0.18 ng/uL

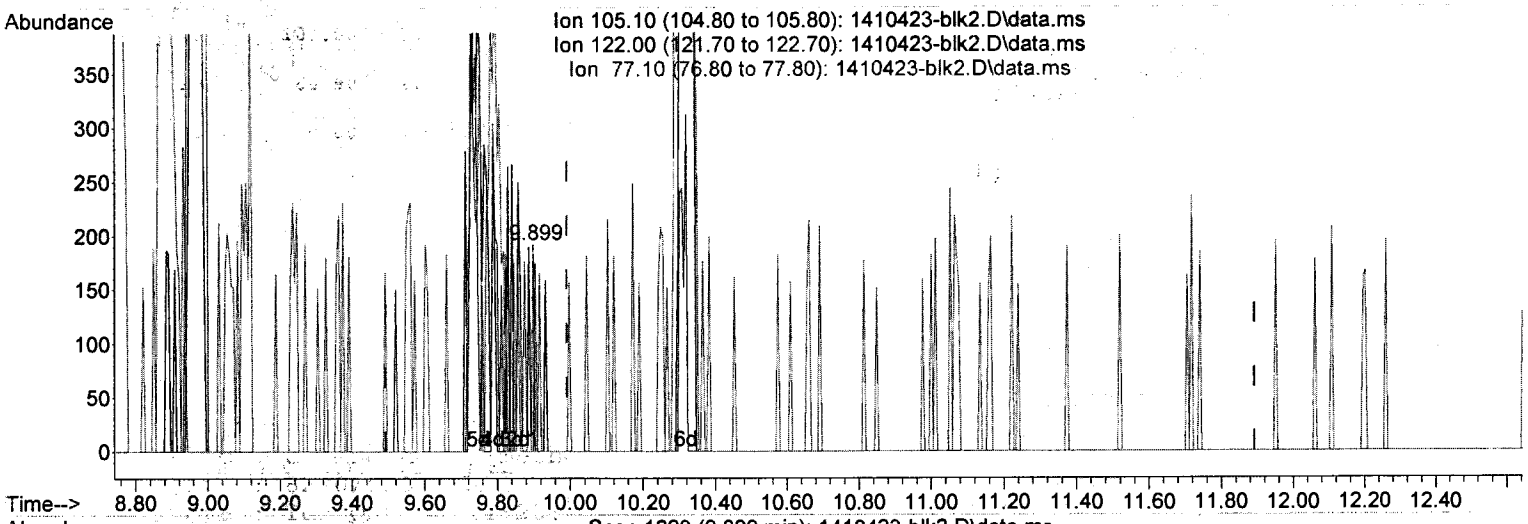
response 22330

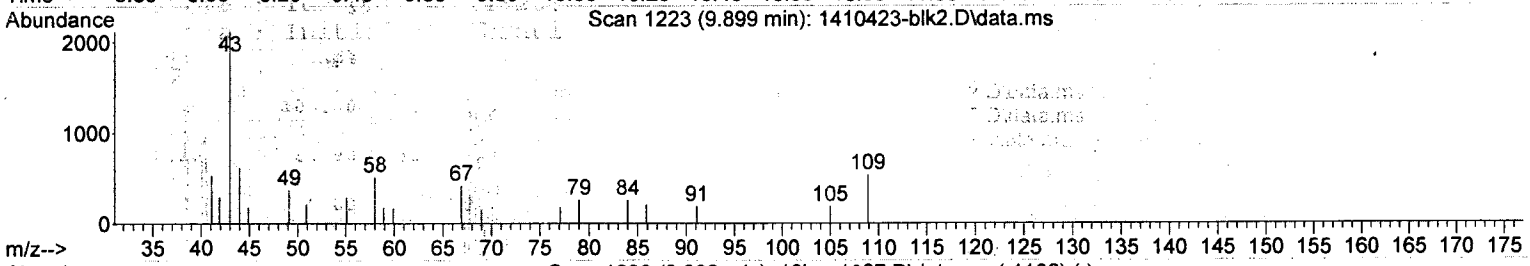
Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	412.19#
0.00	0.00	0.00
0.00	0.00	0.00

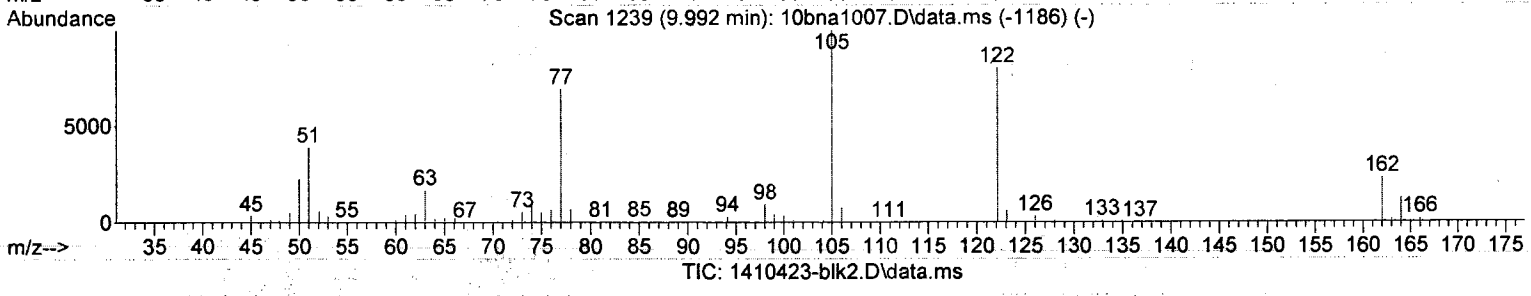
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-blk2.D
Acq On : 7 Oct 2014 10:41
Operator : JLB
Sample : 1410423-blk2 Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 14:23:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1410423-blk2.D\data.ms

(30) Benzoic Acid

9.899min (-0.093) 2.46 ng/uL

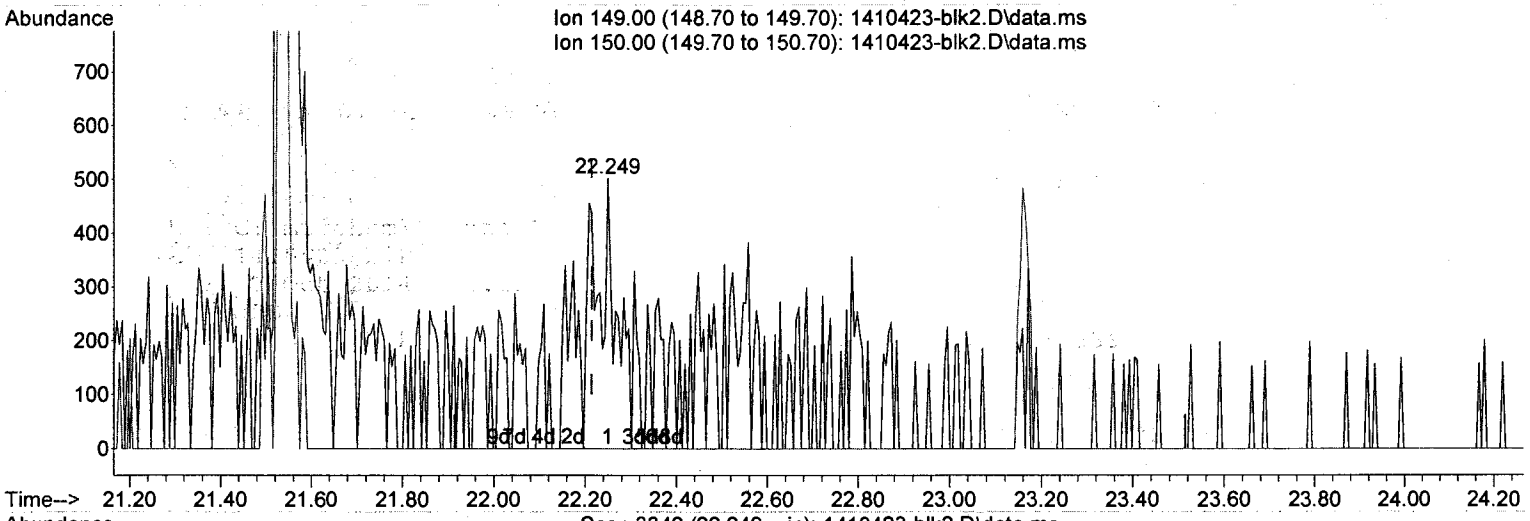
response 134

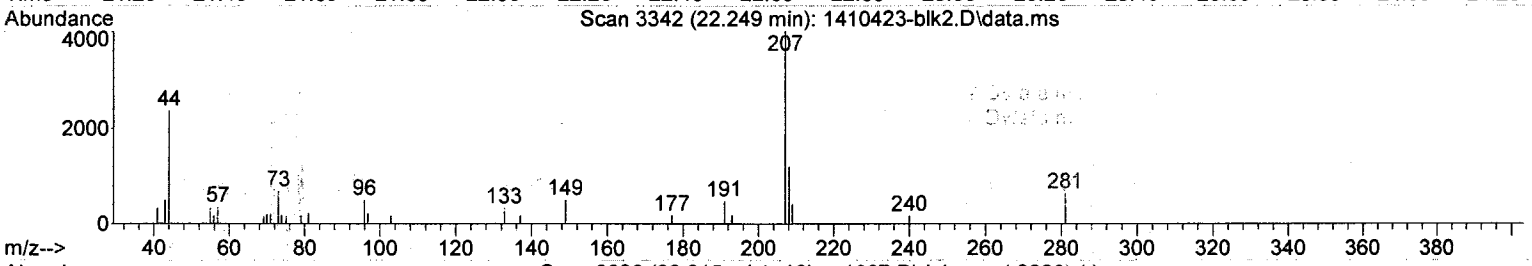
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	132.09#
0.00	0.00	0.00

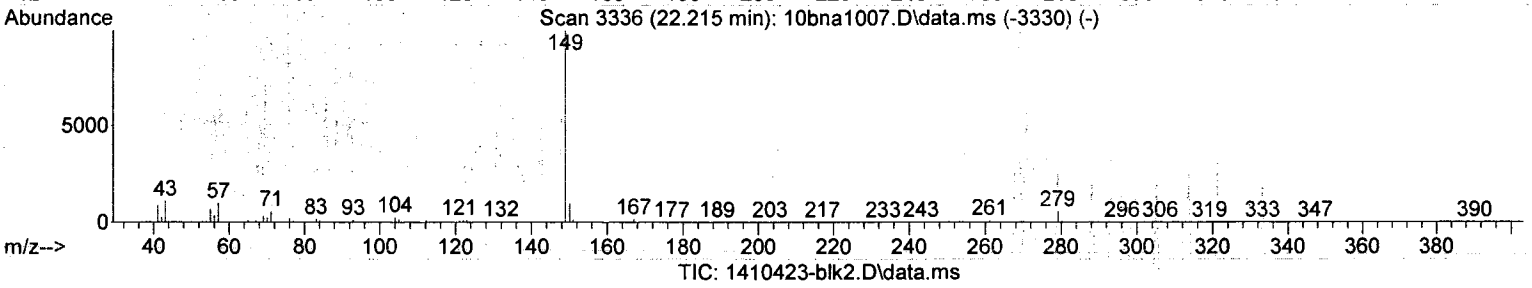
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-blk2.D
Acq On : 7 Oct 2014 10:41
Operator : JLB
Sample : 1410423-blk2 Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 14:23:49 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration







TIC: 1410423-blk2.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.249min (+ 0.035) 0.35 ng/uL

response 1655

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410496-BLK1
File ID: 1410496-blk1.D
Prepared: 10/01/14 07:29
Analyzed: 10/07/14 16:34
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	88	ug/kg wet	69	170	330	J
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3'-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410496-BLK1
File ID: 1410496-blk1.D
Prepared: 10/01/14 07:29
Analyzed: 10/07/14 16:34
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J08019
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	17	ug/kg wet	3.9	17	17	U
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	28	ug/kg wet	12	17	33	J
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	17	ug/kg wet	3.9	17	170	U
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	697	544	78	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410496-BLK1 File ID: 1410496-blk1.D

Prepared: 10/01/14 07:29 Analyzed: 10/07/14 16:34

Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410496 Sequence: 4J08019 Calibration: 4J06006 Instrument: 339

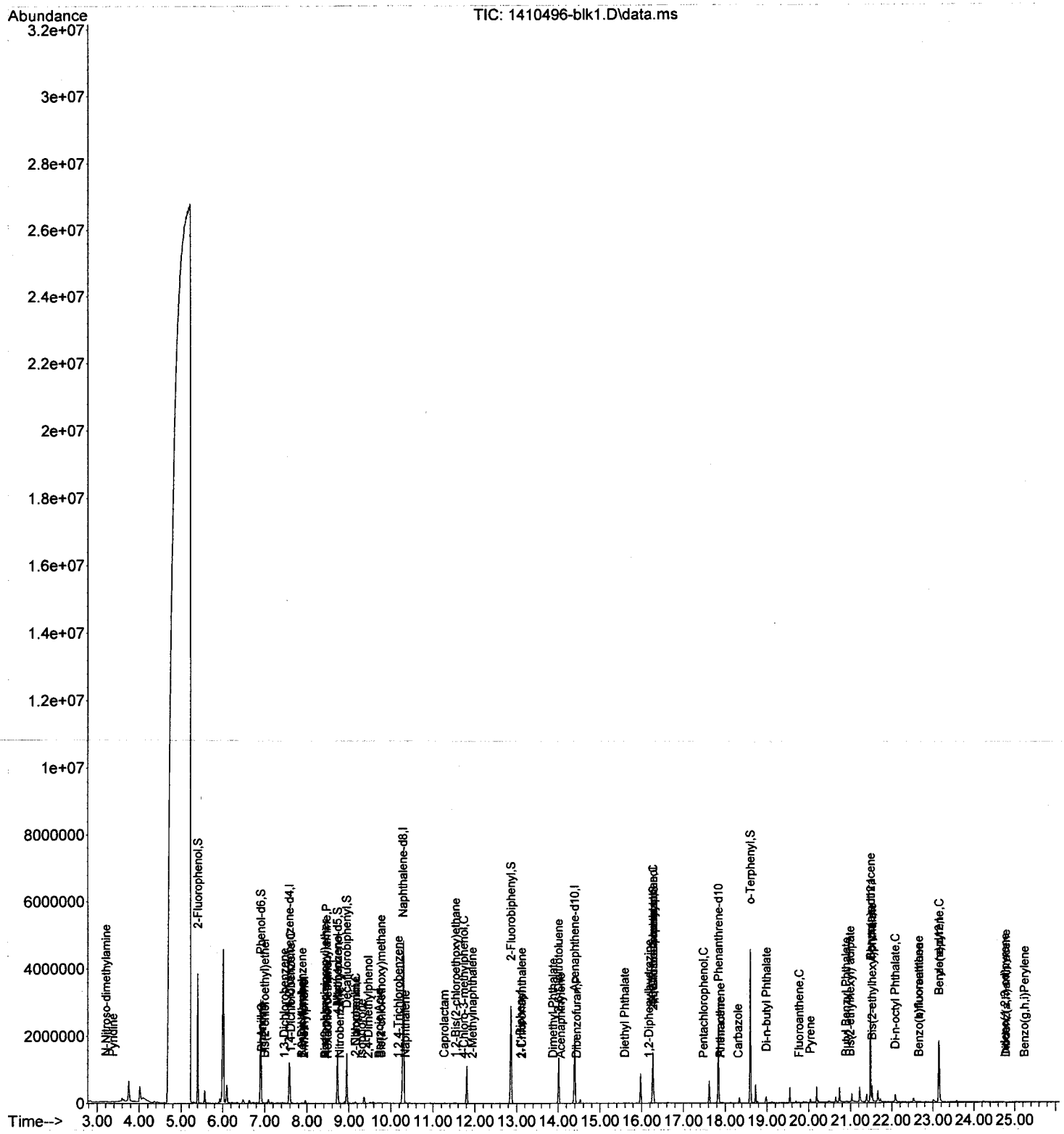
System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	697	607	87	30 - 115	
Nitrobenzene-d5	348	314	90	33 - 131	
2-Fluorobiphenyl	348	332	95	46 - 122	
2,4,6-Tribromophenol	697	487	70	12 - 124	
o-Terphenyl	348	366	105	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	399233	7.585	403279	7.614	
Naphthalene-d8	1478870	10.289	1529030	10.359	
Acenaphthene-d10	873142	14.398	866604	14.474	
Phenanthrene-d10	1414283	17.837	1400442	17.901	
Chrysene-d12	1237406	21.486	1153654	21.538	
Perylene-d12	1081897	23.147	991596	23.211	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1410496-blk1.D
Acq On : 7 Oct 2014 16:34
Operator : JLB
Sample : 1410496-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 08:01:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1410496-blk1.D
Acq On : 7 Oct 2014 16:34
Operator : JLB
Sample : 1410496-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 08:01:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.585	152	399233	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.289	136	1478870	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	873142	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.837	188	1414283	5.00	ng/uL	0.00
81) Chrysene-d12	21.486	240	1237406	5.00	ng/uL	# 0.00
89) Perylene-d12	23.147	264	1081897	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.405	112	1423581	15.61	ng/uL	0.27
6) Phenol-d6	6.908	99	2055231	17.41	ng/uL	0.05
21) Nitrobenzene-d5	8.727	82	851088	9.00	ng/uL	0.00
23) Decafluorobiphenyl	8.948	334	614125	9.27	ng/uL	0.00
47) 2-Fluorobiphenyl	12.865	172	1718693	9.53	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	300005	13.98	ng/uL	-0.01
78) o-Terphenyl	18.601	230	1273969	10.51	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.207	74	233	0.00	ng/uL#	1
3) Pyridine	3.376	79	1176	0.01	ng/uL	85
5) Aniline	6.926	93	297	0.23	ng/uL#	1
7) Phenol	6.932	94	4050	0.03	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.002	93	495	0.00	ng/uL#	21
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	7.462	146	1156	0.01	ng/uL#	4
11) 1,4-Dichlorobenzene	7.614	146	522	0.00	ng/uL#	1
12) 1,2-Dichlorobenzene	7.882	146	138	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.424	45	277	0.00	ng/uL	99
14) Benzyl Alcohol	7.882	108	1520	0.02	ng/uL	81
15) 2-Methylphenol	7.928	108	126	0.00	ng/uL#	1
16) Acetophenone	8.424	105	761	0.01	ng/uL#	46
17) Hexachloroethane	8.488	119	54	0.00	ng/uL#	3
18) 4-Methylphenol	8.733	108	595	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.465	70	227	0.00	ng/uL#	1
22) Nitrobenzene	8.779	77	55	0.00	ng/uL#	30
24) Isophorone	9.304	82	906	0.00	ng/uL#	58
25) 2-Chloroaniline	9.158	127	185	0.00	ng/uL#	1
26) 2-Nitrophenol	9.158	139	376	0.01	ng/uL#	27
27) 2,4-Dimethylphenol	9.461	107	395	0.00	ng/uL#	51
28) Bis(2-chlorethoxy)methane	9.770	93	936	0.01	ng/uL#	76
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.724	105	5497m	2.52	ng/uL	
31) 1,2,4-Trichlorobenzene	10.178	180	623	0.01	ng/uL	86
32) Naphthalene	10.336	128	846	0.00	ng/uL#	1
33) 4-Chloroaniline	0.000		0	N.D.		
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.268	55	12170	0.29	ng/uL#	34
37) 1,2-Bis(2-chloroethoxy...	11.542	63	208	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.735	107	113	0.00	ng/uL#	1
39) 2-Methylnaphthalene	11.944	142	128	0.00	ng/uL#	52
40) 1-Methylnaphthalene	0.000		0	N.D.		
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1410496-blk1.D
Acq On : 7 Oct 2014 16:34
Operator : JLB
Sample : 1410496-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 08:01:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43)	1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44)	Hexachlorocyclopentadiene	0.000		0	N.D.	
45)	2,4,6-Trichlorophenol	0.000		0	N.D.	
46)	2,4,5-Trichlorophenol	0.000		0	N.D.	
48)	2-Chloronaphthalene	13.122	162	57	0.00 ng/uL#	35
49)	1,1'-Biphenyl	13.087	154	928	0.00 ng/uL#	75
50)	2-Nitroaniline	0.000		0	N.D.	
51)	Acenaphthylene	14.060	152	52	0.00 ng/uL#	1
52)	2,6-Dinitrotoluene	14.014	165	974	0.02 ng/uL#	1
53)	Dimethyl Phthalate	13.879	163	2713	0.01 ng/uL#	85
54)	3-Nitroaniline	0.000		0	N.D.	
55)	Acenaphthene	0.000		0	N.D.	
56)	2,4-Dinitrophenol	0.000		0	N.D.	
57)	Dibenzofuran	14.439	168	206	0.00 ng/uL#	37
58)	4-Nitrophenol	0.000		0	N.D.	
59)	2,4-Dinitrotoluene	0.000		0	N.D.	
60)	2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62)	Fluorene	0.000		0	N.D.	
63)	Diethyl Phthalate	15.593	149	5499	0.03 ng/uL	98
64)	4-Chlorophenyl Phenyl ...	0.000		0	N.D.	
65)	4-Nitroaniline	0.000		0	N.D.	
67)	4,6-Dinitro-2-methylph...	16.275	198	860	RT ~~1.01~~ ng/uL#	1
68)	N-Nitroso-diphenylamine	16.275	169	11542	0.07 ng/uL#	39
69)	1,2-Diphenylhydrazine	16.176	182	833	0.01 ng/uL#	57
71)	4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72)	Hexachlorobenzene	0.000		0	N.D.	
73)	Atrazine	0.000		0	N.D.	
74)	Pentachlorophenol	17.476	266	1100	0.04 ng/uL#	82
75)	Phenanthrene	17.878	178	1469	0.01 ng/uL	99
76)	Anthracene	17.878	178	1469	0.01 ng/uL#	93
77)	Carbazole	18.303	167	128	0.00 ng/uL#	60
79)	Di-n-butyl Phthalate	18.985	149	96827	0.36 ng/uL	99
80)	Fluoroanthene	19.772	202	357	0.00 ng/uL#	62
82)	Pyrene	20.040	202	693	0.00 ng/uL#	1
83)	Butyl Benzyl Phthalate	20.891	149	2575	0.02 ng/uL	99
84)	Bis(2-ethylhexyl) adipate	20.990	129	1572	0.08 ng/uL#	100
85)	Benzo(a)anthracene	21.486	228	3109	0.01 ng/uL#	1
86)	Chrysene	21.486	228	3109	0.01 ng/uL#	51
87)	Bis(2-ethylhexyl)phtha...	21.521	149	119435	0.80 ng/uL#	88
88)	Di-n-octyl Phthalate	22.080	149	10212	~~0.38~~ ng/uL#	87
90)	Benzo(b)fluoroanthene	22.657	252	115	0.00 ng/uL#	56
91)	Benzo(k)fluoranthene	22.657	252	115	0.00 ng/uL#	58
92)	Benzo(a)pyrene	23.147	252	2647	0.01 ng/uL#	1
93)	Indeno(1,2,3-cd)pyrene	24.756	276	412	0.00 ng/uL#	73
94)	Dibdenz(a,h)anthracene	24.785	278	394	0.00 ng/uL#	60
95)	Benzo(g,h,i)Perylene	25.239	276	260	0.00 ng/uL#	9

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1410496-blk1.D
Acq On : 7 Oct 2014 16:34
Operator : JLB
Sample : 1410496-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 07:53:56 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 07:46:07 2014
Response via : Initial Calibration

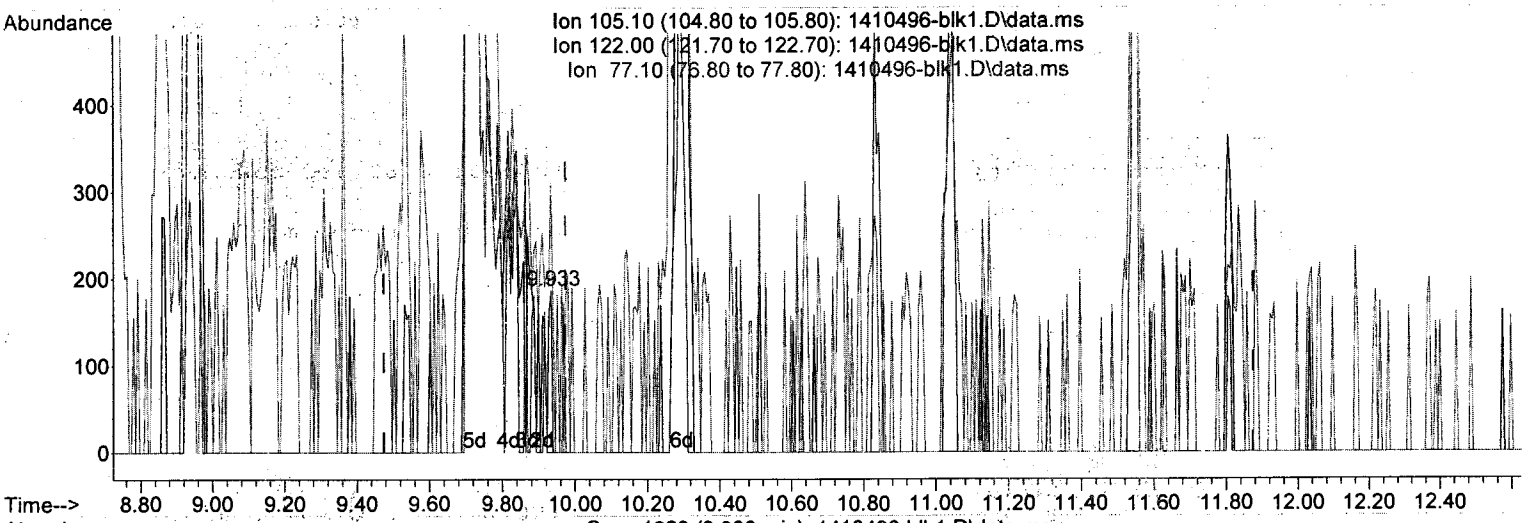
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.585	152	397041	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.289	136	1478870	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.398	164	873142	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.837	188	1415496	5.00	ng/uL		0.00
19) Chrysene-d12	21.486	240	1237406	5.00	ng/uL	#	0.00
22) Perylene-d12	23.147	264	1093288	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.207	74	233	0.00	ng/uL	#	1
3) Pyridine	3.376	79	1176	0.01	ng/uL		85
4) Aniline	6.926	93	297	0.00	ng/uL	#	1
5) Benzaldehyde	6.704	105	840	0.01	ng/uL	#	1
6) Acetophenone	8.424	105	761	0.01	ng/uL	#	46
7) N-Nitroso-di-n-propyla...	8.430	70	317	0.00	ng/uL	#	32
9) 4-Chloroaniline	0.000		0	N.D.			
10) Caprolactam	11.268	55	3059	0.16	ng/uL	#	68
12) 1,1'-Biphenyl	13.087	154	928	0.00	ng/uL	#	75
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.275	169	11542	0.07	ng/uL	#	39
18) Atrazine	0.000		0	N.D.			
20) Benzidine	20.081	184	1735	0.42	ng/uL	#	91
21) 3,3'-Dichlorobenzidine	21.468	252	283	0.00	ng/uL	#	76

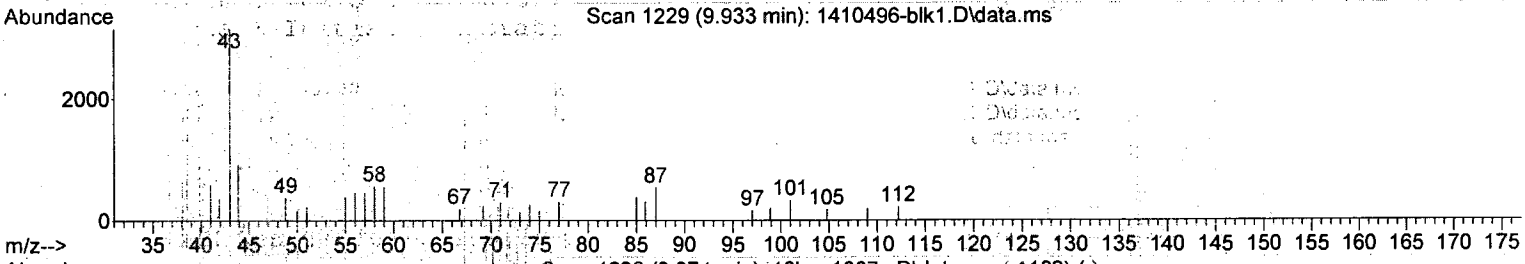
(#) = qualifier out of range (m) = manual integration (+) = signals summed

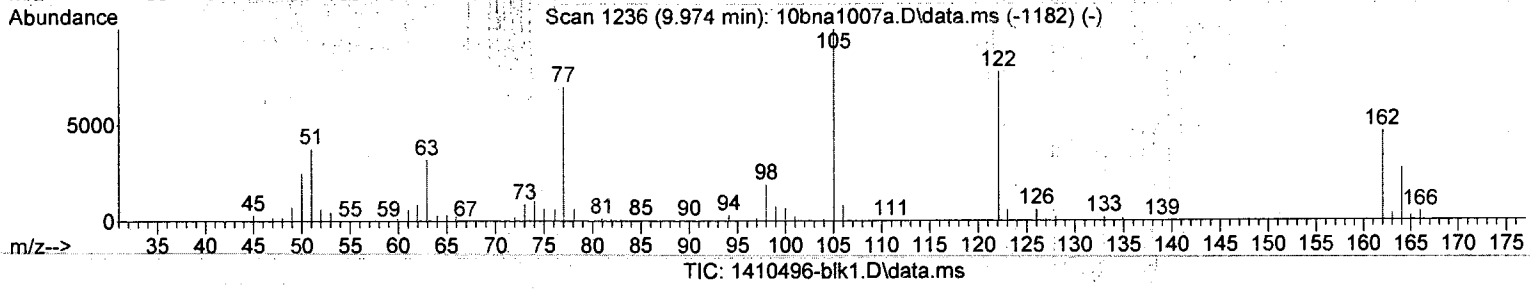
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1410496-blk1.D
Acq On : 7 Oct 2014 16:34
Operator : JLB
Sample : 1410496-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 08:00:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1410496-blk1.D\data.ms

(30) Benzoic Acid

9.933min (-0.041) 2.46 ng/uL

response 120

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	224.17#
0.00	0.00	0.00

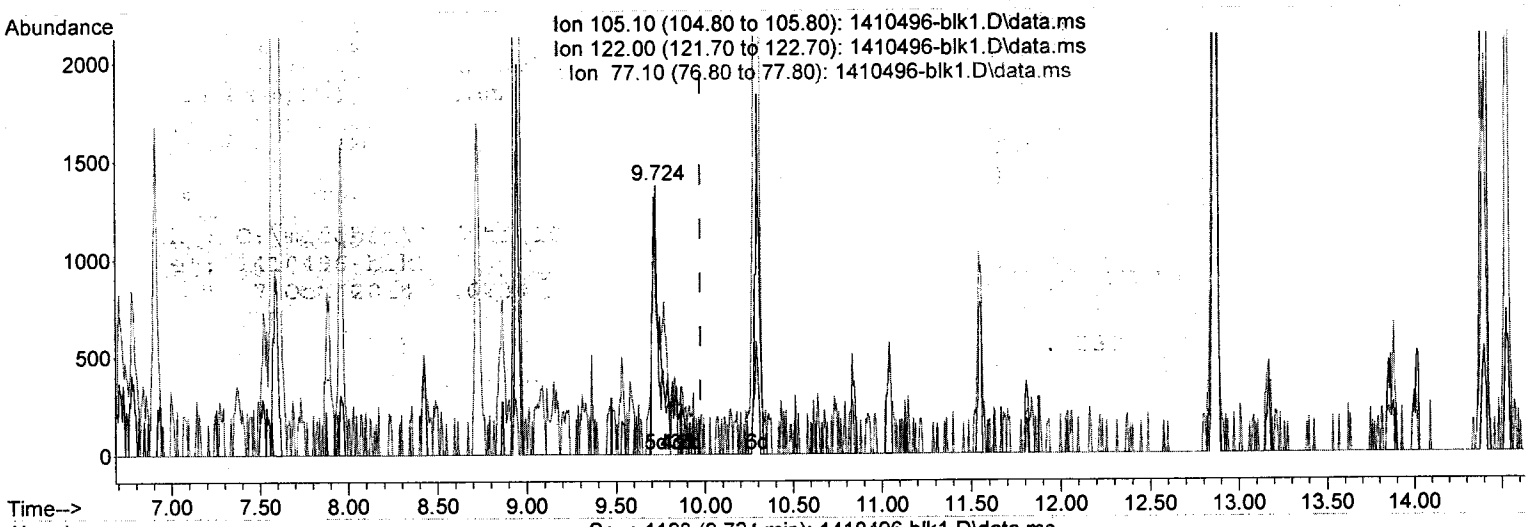
DW 10-17-14

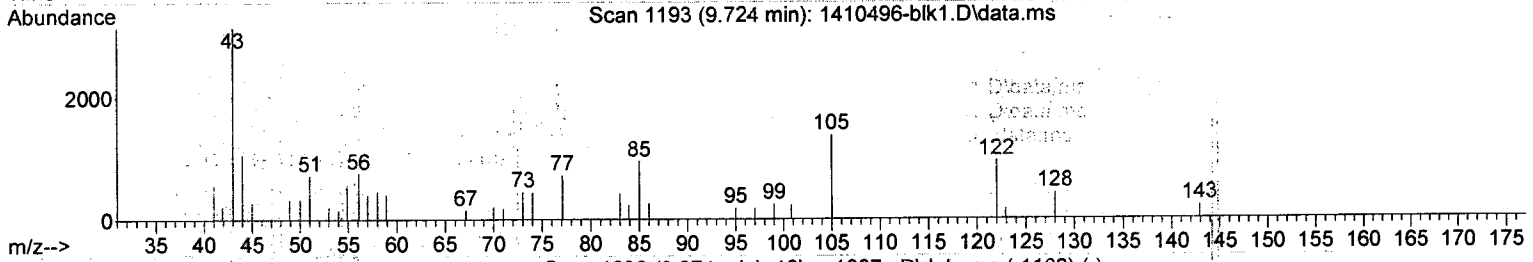
JLB 10/8/14

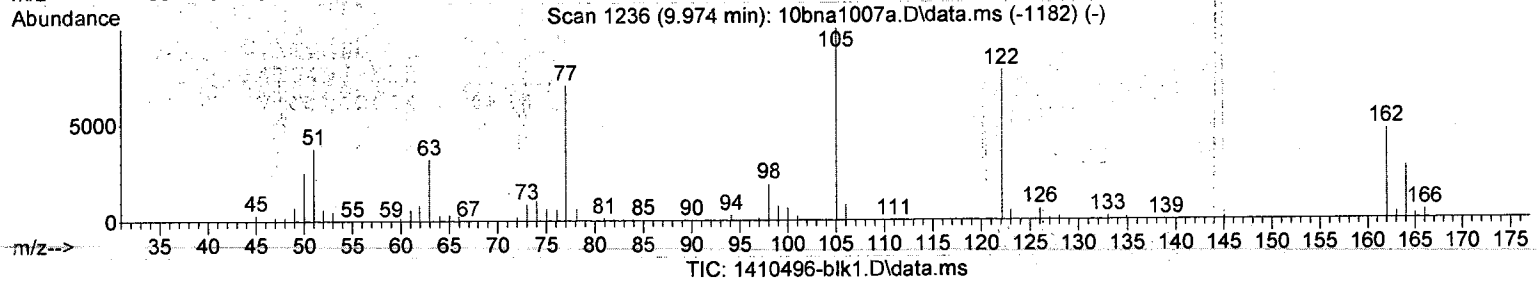
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1410496-blk1.D
Acq On : 7 Oct 2014 16:34
Operator : JLB
Sample : 1410496-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 08:00:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1410496-blk1.D\data.ms

(30) Benzoic Acid

9.724min (-0.251) 2.52 ng/uL m

response 5497

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	4.89#
0.00	0.00	0.00

Manual Integration Explanation

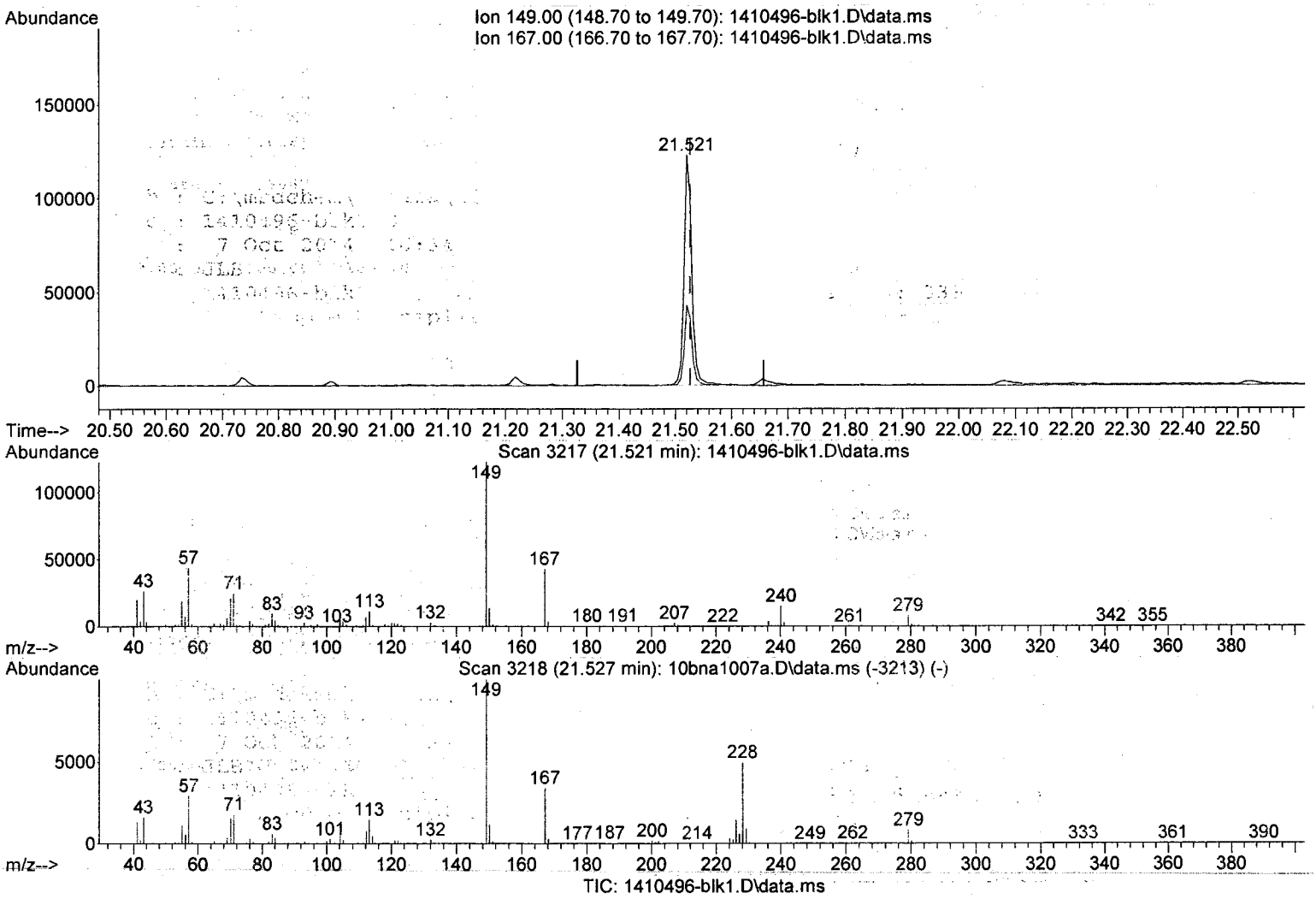
Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/8/14
Reviewed By: DW Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1410496-blk1.D
Acq On : 7 Oct 2014 16:34
Operator : JLB
Sample : 1410496-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 08:00:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



TIC: 1410496-blk1.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.521min (-0.006) 0.80 ng/uL

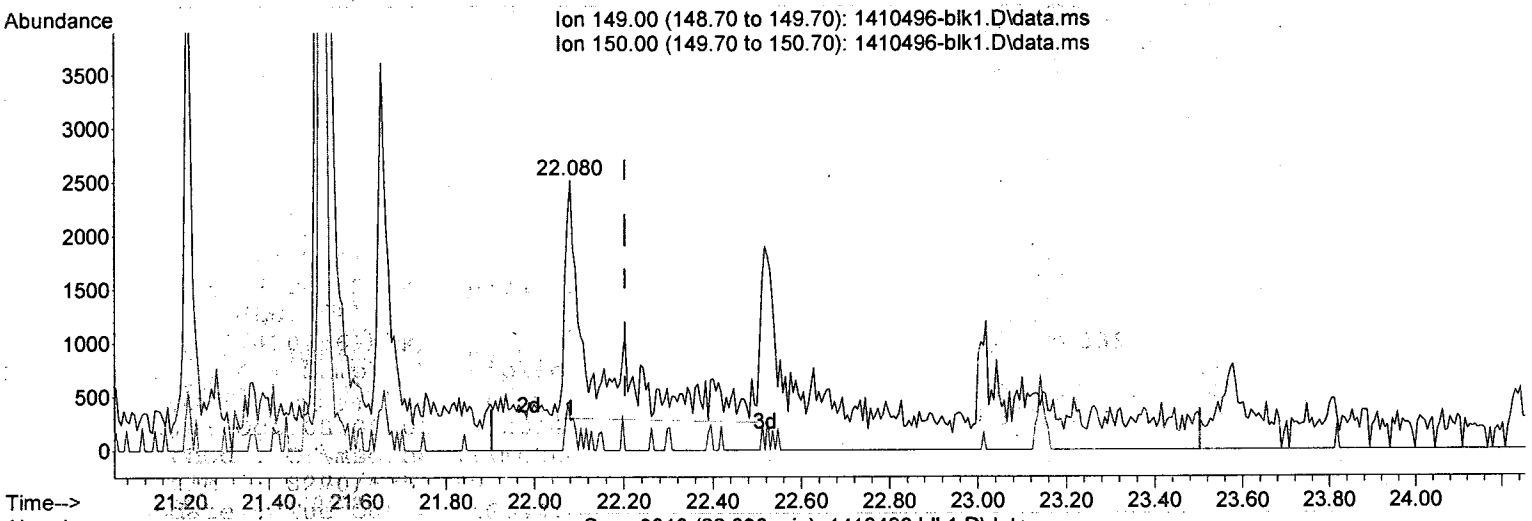
response 119435

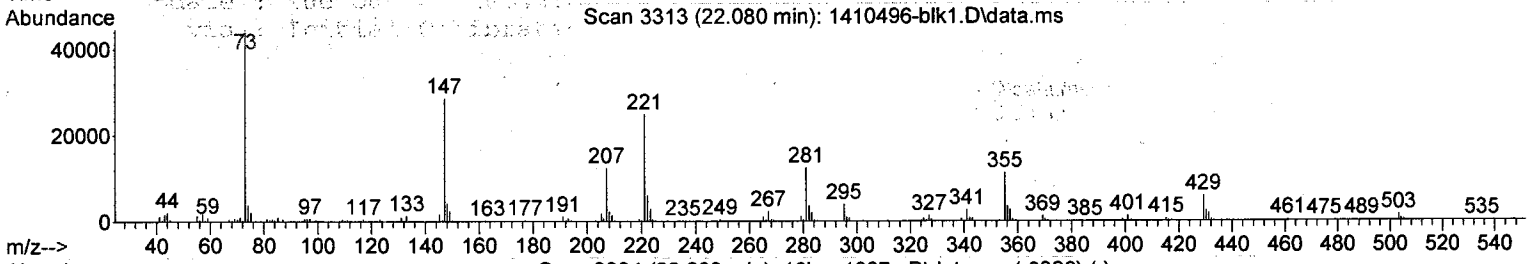
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	35.82#
0.00	0.00	0.00
0.00	0.00	0.00

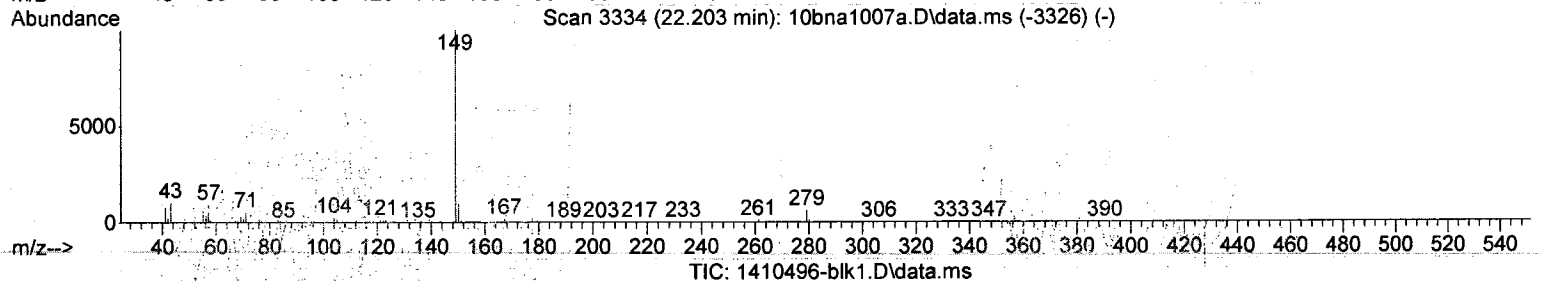
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1410496-blk1.D
Acq On : 7 Oct 2014 16:34
Operator : JLB
Sample : 1410496-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 08:00:46 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration







TIC: 1410496-blk1.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.080min (-0.123) 0.38 ng/uL

response 10212

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	4.95#
0.00	0.00	0.00
0.00	0.00	0.00

RT PP

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410496-BLK2
File ID: 1410496-blk2.D
Prepared: 10/08/14 07:29
Analyzed: 10/10/14 09:50
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	87	ug/kg wet	69	170	330	J
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3′-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410496-BLK2
File ID: 1410496-blk2.D
Prepared: 10/08/14 07:29
Analyzed: 10/10/14 09:50
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	17	ug/kg wet	3.9	17	17	U
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	23	ug/kg wet	12	17	33	J
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	17	ug/kg wet	3.9	17	170	U
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	697	506	73	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410496-BLK2
File ID: 1410496-blk2.D
Prepared: 10/08/14 07:29
Analyzed: 10/10/14 09:50
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410496
Sequence: 4J10038
Calibration: 4J06006
Instrument: 339

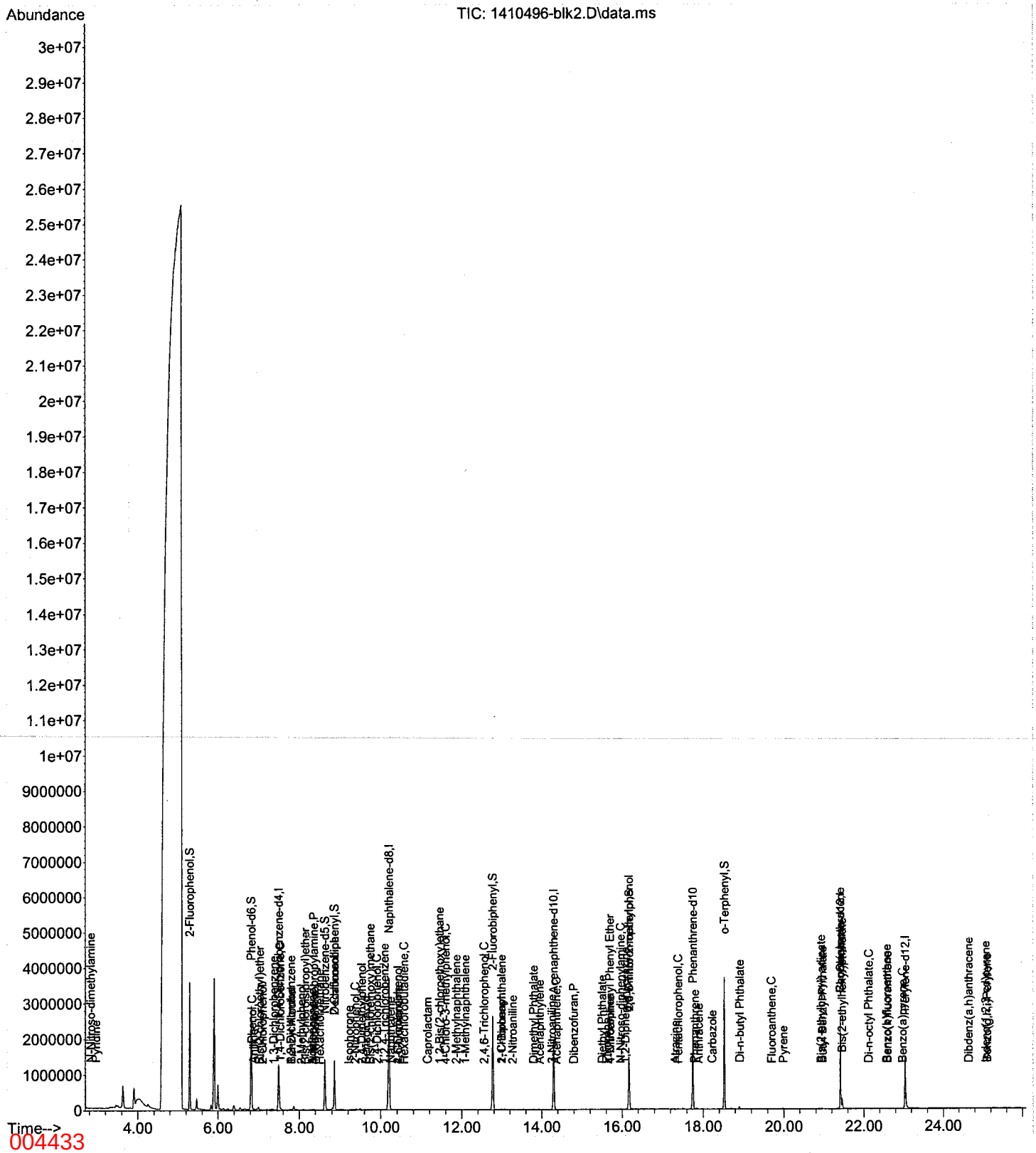
System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	697	557	80	30 - 115	
Nitrobenzene-d5	348	298	86	33 - 131	
2-Fluorobiphenyl	348	307	88	46 - 122	
2,4,6-Tribromophenol	697	490	70	12 - 124	
o-Terphenyl	348	324	93	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	421511	7.496	403279	7.614	
Naphthalene-d8	1570941	10.2	1529030	10.359	
Acenaphthene-d10	892672	14.298	866604	14.474	
Phenanthrene-d10	1368311	17.748	1400442	17.901	
Chrysene-d12	1111211	21.414	1153654	21.538	
Perylene-d12	869793	23.046	991596	23.211	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-blk2.D
Acq On : 10 Oct 2014 9:50
Operator : JLB
Sample : 1410496-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 13:02:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration



004433

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-blk2.D
Acq On : 10 Oct 2014 9:50
Operator : JLB
Sample : 1410496-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 13:02:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.496	152	421511	5.00	ng/uL	# 0.04
20) Naphthalene-d8	10.200	136	1570941	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.298	164	892672	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.748	188	1368311	5.00	ng/uL	0.00
81) Chrysene-d12	21.414	240	1111211	5.00	ng/uL	# 0.00
89) Perylene-d12	23.046	264	869793	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.292	112	1399446	14.53	ng/uL	0.26
6) Phenol-d6	6.819	99	1993991	15.99	ng/uL	0.05
21) Nitrobenzene-d5	8.632	82	859763	8.56	ng/uL	0.00
23) Decafluorobiphenyl	8.865	334	592822	8.42	ng/uL	0.00
47) 2-Fluorobiphenyl	12.771	172	1627566	8.82	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.180	330	291524	14.05	ng/uL	-0.01
78) o-Terphenyl	18.529	230	1089980	9.29	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.827	74	2584	0.04	ng/uL	89
3) Pyridine	2.961	79	390	0.00	ng/uL#	14
5) Aniline	6.878	93	3337	0.25	ng/uL#	1
7) Phenol	6.837	94	2821	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.023	93	701	0.01	ng/uL#	34
9) 2-Chlorophenol	7.093	128	1074	0.01	ng/uL#	55
10) 1,3-Dichlorobenzene	7.367	146	2797	0.02	ng/uL#	47
11) 1,4-Dichlorobenzene	7.531	146	1919	0.02	ng/uL#	1
12) 1,2-Dichlorobenzene	7.793	146	274	0.00	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.148	45	741	0.00	ng/uL	92
14) Benzyl Alcohol	7.805	108	1386	0.02	ng/uL#	60
15) 2-Methylphenol	8.049	108	390	0.00	ng/uL#	39
16) Acetophenone	8.323	105	6157	0.04	ng/uL	94
17) Hexachloroethane	8.510	119	799	0.02	ng/uL#	40
18) 4-Methylphenol	8.370	108	577	0.01	ng/uL#	62
19) N-Nitroso-di-n-propyla...	8.358	70	2808	0.04	ng/uL#	25
22) Nitrobenzene	8.632	77	4294	0.04	ng/uL#	1
24) Isophorone	9.221	82	2309	0.01	ng/uL	96
25) 2-Chloroaniline	8.865	127	7930	0.06	ng/uL#	59
26) 2-Nitrophenol	9.372	139	1018	0.02	ng/uL#	1
27) 2,4-Dimethylphenol	9.536	107	559	0.01	ng/uL#	58
28) Bis(2-chlorethoxy)methane	9.745	93	844	0.01	ng/uL	97
29) 2,4-Dichlorophenol	9.903	162	644	0.01	ng/uL#	69
30) Benzoic Acid	9.635	105	2958m	2.49	ng/uL	
31) 1,2,4-Trichlorobenzene	10.089	180	1417	0.02	ng/uL	93
32) Naphthalene	10.241	128	5124	0.02	ng/uL#	1
33) 4-Chloroaniline	10.422	127	2784	0.04	ng/uL#	69
34) 2,6-Dichlorophenol	10.416	162	125	0.00	ng/uL#	1
35) Hexachlorobutadiene	10.573	225	284	0.01	ng/uL#	24
36) Caprolactam	11.150	55	9244	0.20	ng/uL#	50
37) 1,2-Bis(2-chloroethoxy...	11.447	63	219	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.593	107	853	0.01	ng/uL#	76
39) 2-Methylnaphthalene	11.861	142	1633	0.01	ng/uL#	85
40) 1-Methylnaphthalene	12.083	142	1214	0.01	ng/uL#	93
41) 1,3 Dinitrobenzene	0.000		0	N.D.		
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	12.555	196	363	0.01	ng/uL#	72
46) 2,4,5-Trichlorophenol	12.555	196	363	0.01	ng/uL#	81

004434

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-blk2.D
Acq On : 10 Oct 2014 9:50
Operator : JLB
Sample : 1410496-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 13:02:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48) 2-Chloronaphthalene	12.992	162	1197	0.01 ng/uL#	53
49) 1,1'-Biphenyl	12.986	154	9284	0.04 ng/uL	98
50) 2-Nitroaniline	13.266	138	1029	0.02 ng/uL#	81
51) Acenaphthylene	13.948	152	1005	0.00 ng/uL#	66
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.791	163	988	0.01 ng/uL#	75
54) 3-Nitroaniline	14.251	138	503	0.01 ng/uL#	1
55) Acenaphthene	14.368	153	963	0.01 ng/uL	93
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.793	168	389	0.00 ng/uL#	68
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.609	166	660	0.00 ng/uL#	1
63) Diethyl Phthalate	15.498	149	4545	0.02 ng/uL	99
64) 4-Chlorophenyl Phenyl ...	15.691	204	125	0.00 ng/uL#	47
65) 4-Nitroaniline	15.702	138	218	0.01 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.174	198	797	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	15.965	169	4812	0.03 ng/uL	93
69) 1,2-Diphenylhydrazine	16.081	182	172	0.00 ng/uL#	69
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.311	200	1310	0.03 ng/uL	86
74) Pentachlorophenol	17.387	266	384	0.01 ng/uL#	66
75) Phenanthrene	17.795	178	3654	0.01 ng/uL#	91
76) Anthracene	17.888	178	894	0.00 ng/uL	96
77) Carbazole	18.226	167	718	0.00 ng/uL#	60
79) Di-n-butyl Phthalate	18.914	149	5944	0.02 ng/uL	99
80) Fluoroanthene	19.695	202	1081	0.00 ng/uL#	62
82) Pyrene	19.986	202	1154	0.00 ng/uL#	16
83) Butyl Benzyl Phthalate	20.966	149	65	0.00 ng/uL	99
84) Bis(2-ethylhexyl) adipate	20.925	129	1377	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.409	228	3577	0.02 ng/uL#	1
86) Chrysene	21.409	228	3577	0.02 ng/uL	99
87) Bis(2-ethylhexyl)phtha...	21.455	149	86735	0.65 ng/uL	90
88) Di-n-octyl Phthalate	22.120	149	1920	~~0.35~~ ng/uL#	74
90) Benzo(b)fluoroanthene	22.574	252	235	0.00 ng/uL#	56
91) Benzo(k)fluoranthene	22.598	252	338	0.00 ng/uL#	58
92) Benzo(a)pyrene	22.976	252	86	0.00 ng/uL#	57
93) Indeno(1,2,3-cd)pyrene	25.075	276	548	0.00 ng/uL#	46
94) Dibdenz(a,h)anthracene	24.643	278	145	0.00 ng/uL#	60
95) Benzo(g,h,i)Perylene	25.104	276	140	0.00 ng/uL#	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004435

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-blk2.D
Acq On : 10 Oct 2014 9:50
Operator : JLB
Sample : 1410496-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 12:58:43 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 12:58:17 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.496	152	415811	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.200	136	1570941	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.298	164	892111	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.748	188	1369741	5.00	ng/uL		0.00
19) Chrysene-d12	21.414	240	1111211	5.00	ng/uL	#	0.00
22) Perylene-d12	23.046	264	869793	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.827	74	2584	0.04	ng/uL		89
3) Pyridine	3.002	79	1476	0.01	ng/uL	#	40
4) Aniline	6.878	93	3337	0.02	ng/uL	#	1
5) Benzaldehyde	6.615	105	261	0.00	ng/uL	#	1
6) Acetophenone	8.323	105	6157	0.04	ng/uL		94
7) N-Nitroso-di-n-propyla...	8.358	70	2808	0.04	ng/uL	#	25
9) 4-Chloroaniline	10.422	127	2784	0.03	ng/uL	#	69
10) Caprolactam	11.150	55	3431	0.16	ng/uL	#	80
12) 1,1'-Biphenyl	12.986	154	9284	0.03	ng/uL		98
13) 2-Nitroaniline	13.266	138	1029	0.03	ng/uL	#	81
14) 3-Nitroaniline	14.251	138	503	Below Cal		#	1
15) 4-Nitroaniline	15.702	138	218	Below Cal		#	56
17) N-Nitroso-diphenylamine	15.965	169	4812	0.03	ng/uL		93
18) Atrazine	17.311	200	1310	Below Cal			86
20) Benzidine	0.000		0	N.D.			
21) 3,3'-Dichlorobenzidine	21.385	252	542	0.01	ng/uL	#	77

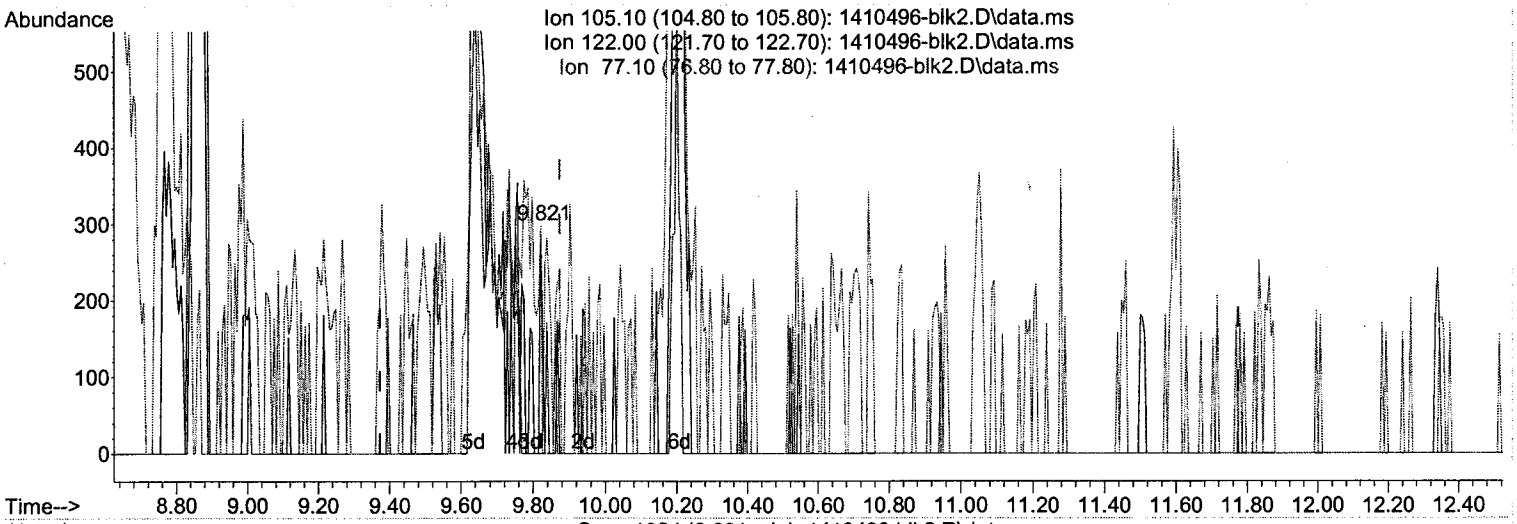
(#) = qualifier out of range (m) = manual integration (+) = signals summed

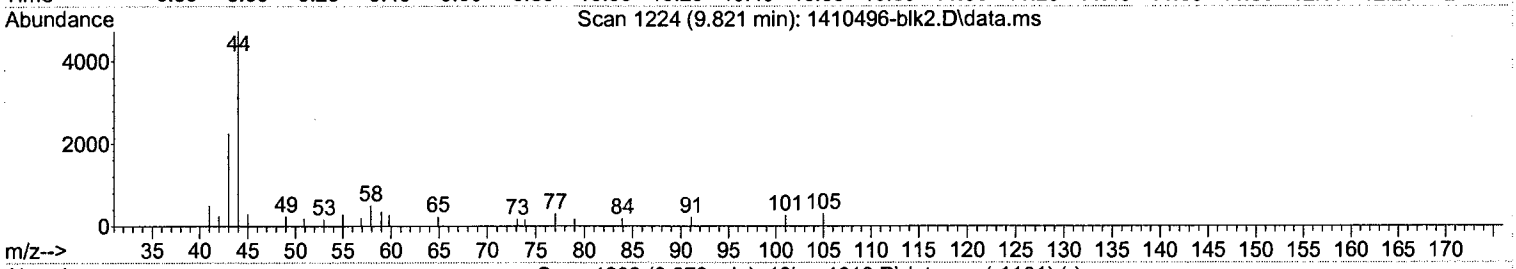
004436

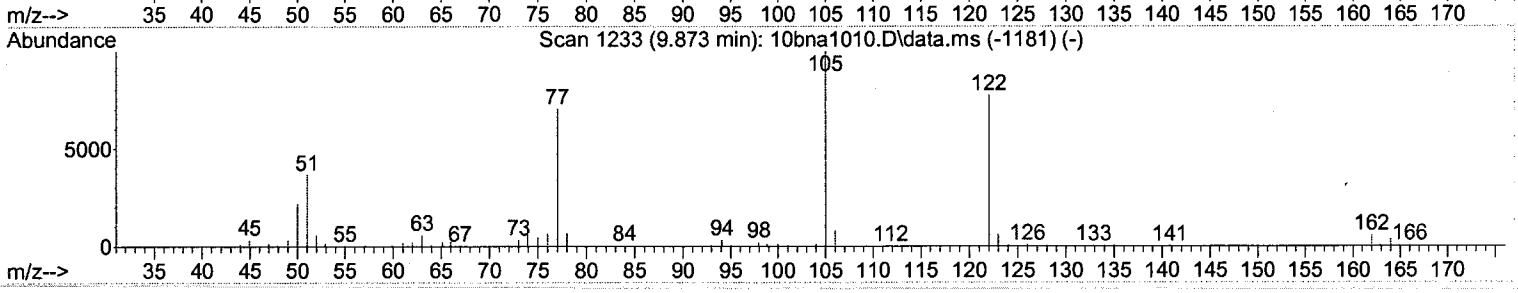
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-blk2.D
Acq On : 10 Oct 2014 9:50
Operator : JLB
Sample : 1410496-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 13:02:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1410496-blk2.D\data.ms

(30) Benzoic Acid

9.821min (-0.052) 2.46 ng/uL

response 157

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	201.91#
0.00	0.00	0.00

Dws 10.17.14

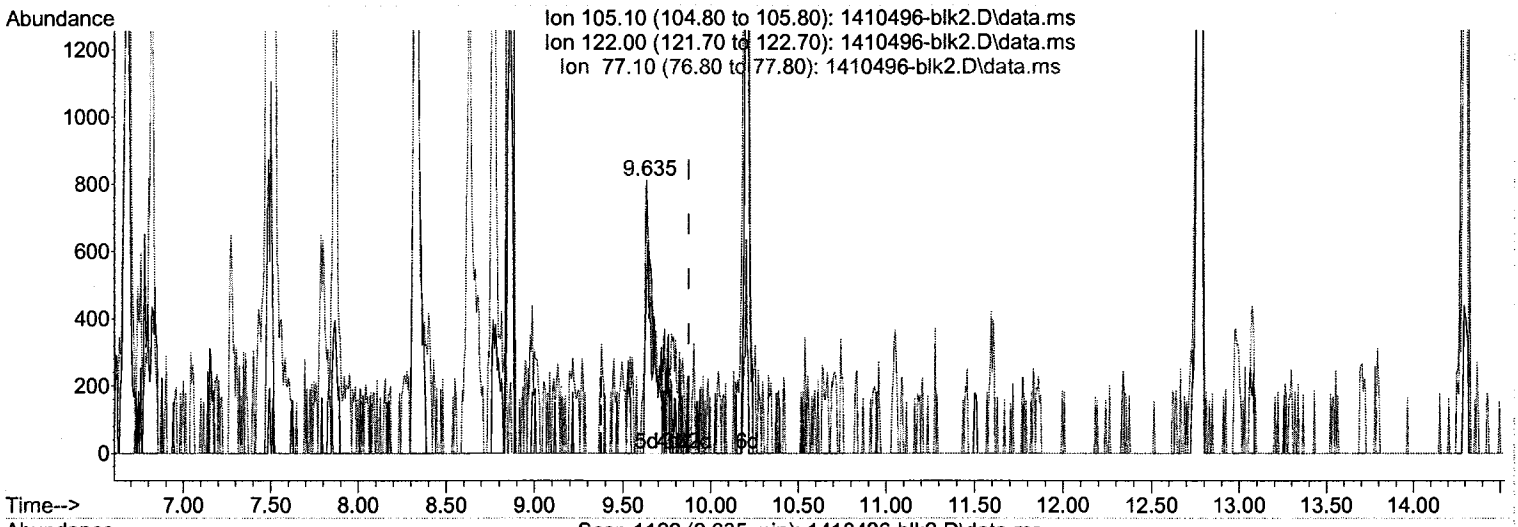
JLB 10/15/14

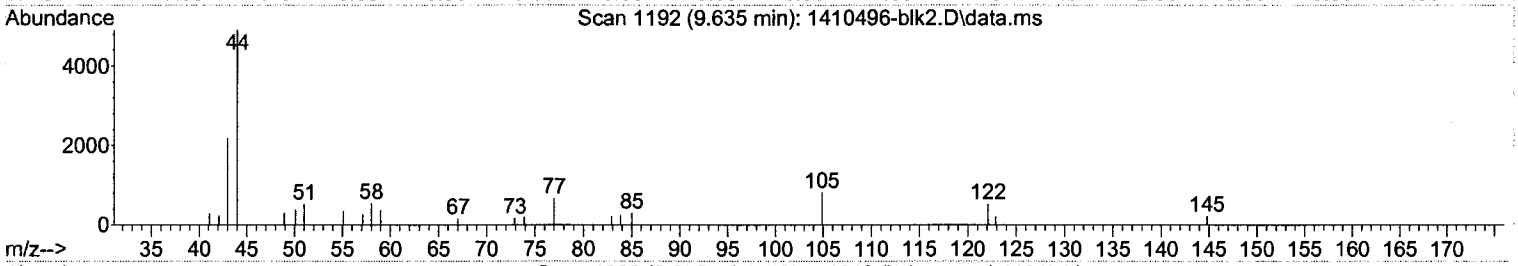
004437

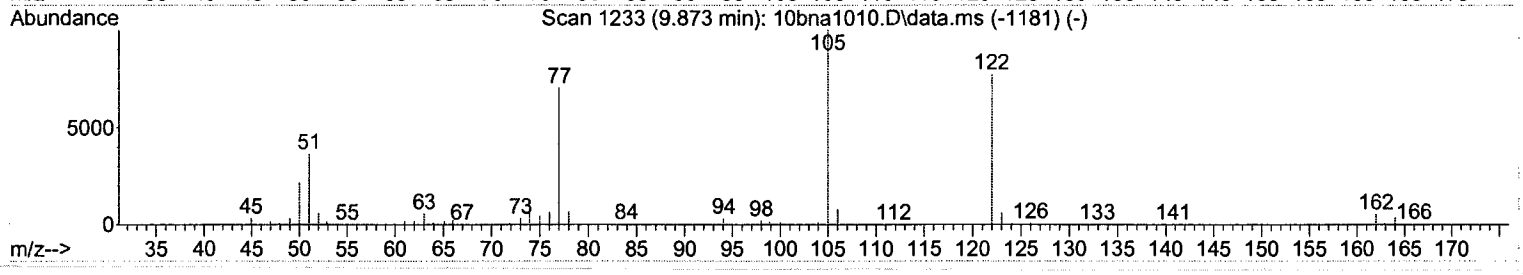
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-blk2.D
Acq On : 10 Oct 2014 9:50
Operator : JLB
Sample : 1410496-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 13:02:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1410496-blk2.D\data.ms

(30) Benzoic Acid

9.635min (-0.239) 2.49 ng/uL m

response 2958

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	10.72#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: _____ Date: 10/15/14

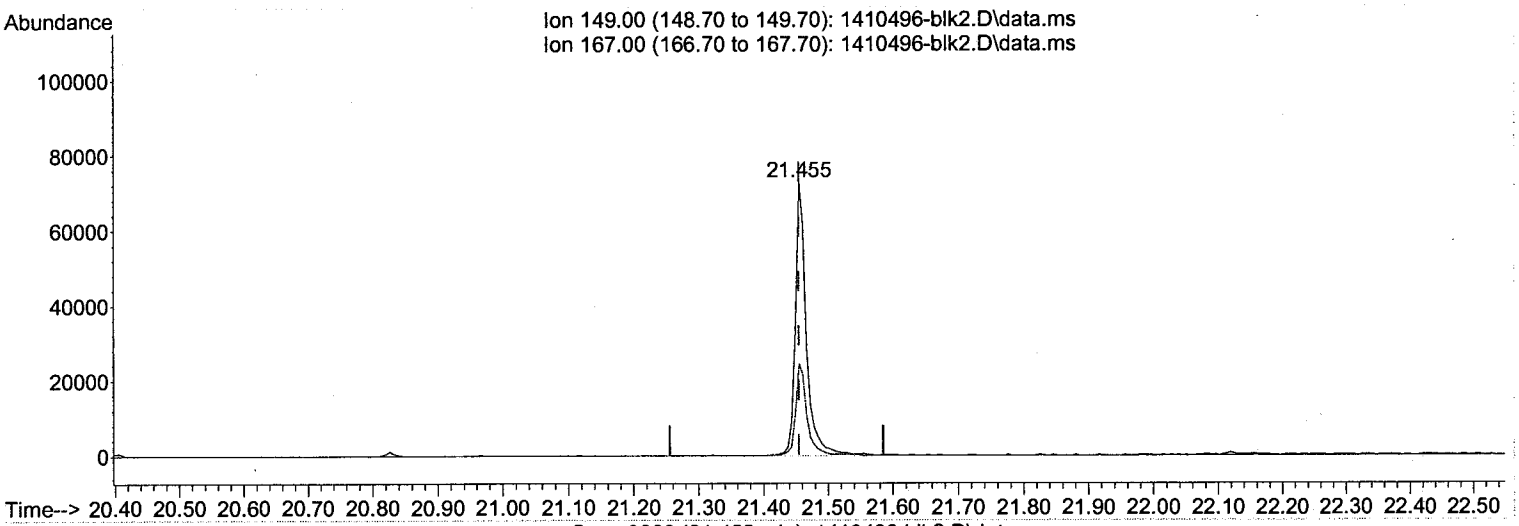
Reviewed By: _____ Date: 10-17-14

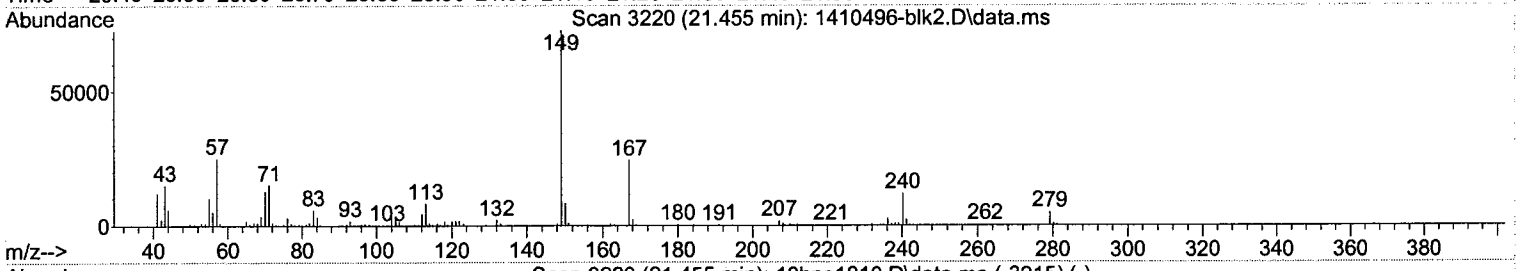
004438

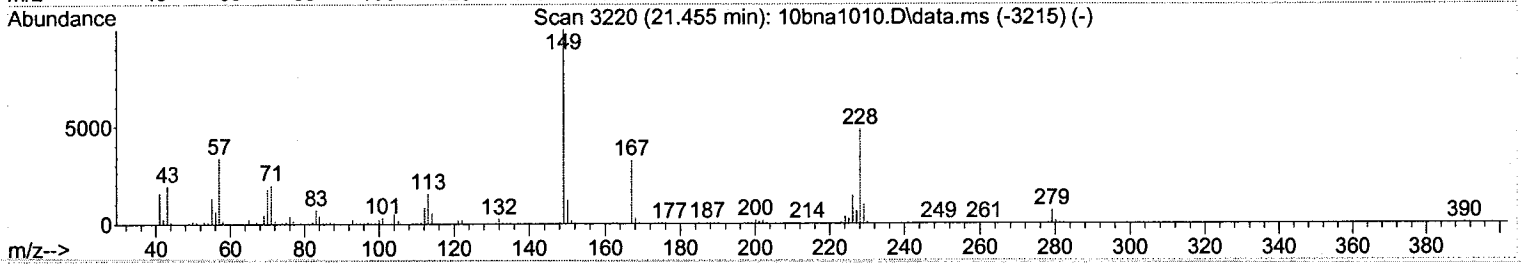
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-blk2.D
Acq On : 10 Oct 2014 9:50
Operator : JLB
Sample : 1410496-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 13:02:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1410496-blk2.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.455min (+ 0.000) 0.65 ng/uL

response 86735

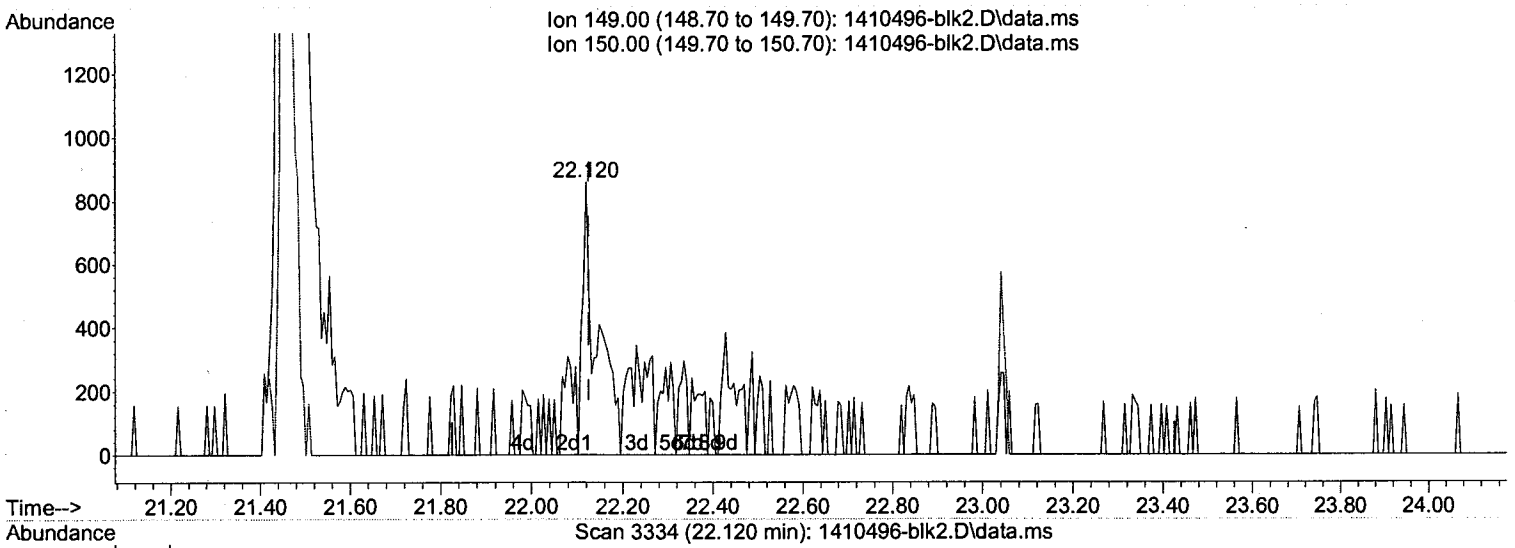
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.46
0.00	0.00	0.00
0.00	0.00	0.00

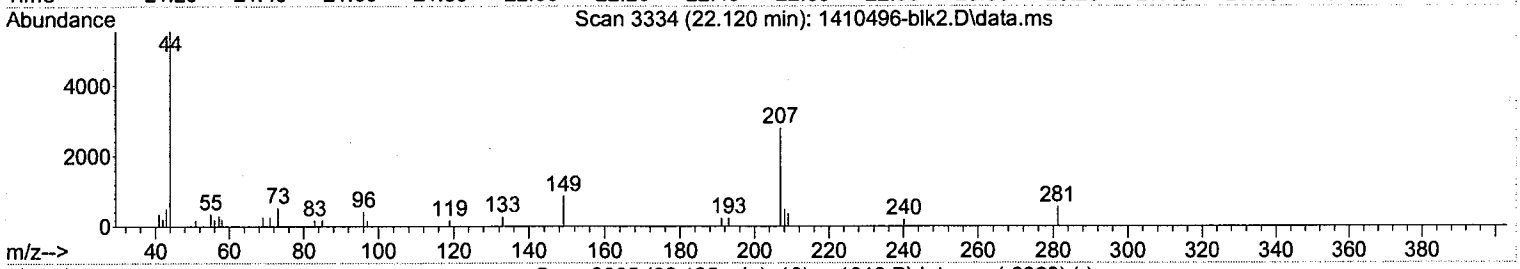
004439

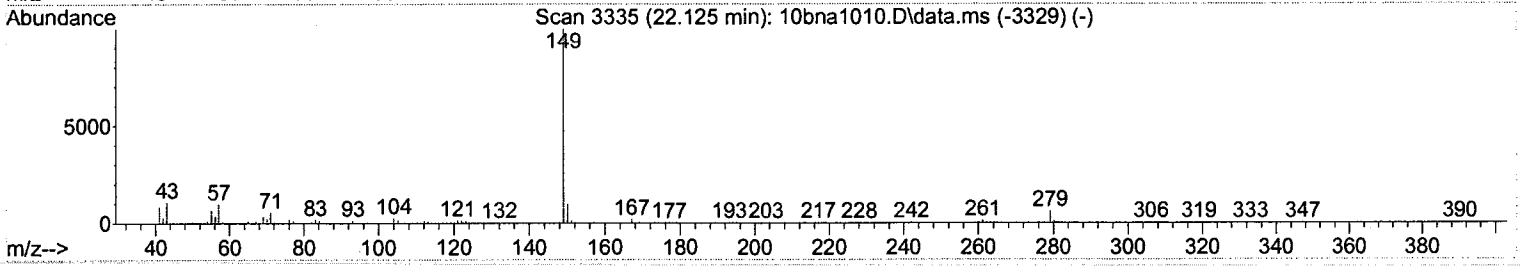
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-blk2.D
Acq On : 10 Oct 2014 9:50
Operator : JLB
Sample : 1410496-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 13:02:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration







TIC: 1410496-blk2.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.120min (-0.006) 0.35 ng/uL

response 1920

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

pp

004440

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410563-BLK1 File ID: 1410563-blk1.D

Prepared: 10/02/14 07:41 Analyzed: 10/08/14 16:02

Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410563 Sequence: 4J09062 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	86	ug/kg wet	69	170	330	J
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3'-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410563-BLK1 File ID: 1410563-blk1.D

Prepared: 10/02/14 07:41 Analyzed: 10/08/14 16:02

Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410563 Sequence: 4J09062 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	17	ug/kg wet	3.9	17	17	U
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	18	ug/kg wet	12	17	33	J
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	5.6	ug/kg wet	3.9	17	170	J
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	697	502	72	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410563-BLK1
File ID: 1410563-blk1.D
Prepared: 10/02/14 07:41
Analyzed: 10/08/14 16:02
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410563
Sequence: 4J09062
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	697	514	74	30 - 115	
Nitrobenzene-d5	348	274	79	33 - 131	
2-Fluorobiphenyl	348	290	83	46 - 122	
2,4,6-Tribromophenol	697	521	75	12 - 124	
o-Terphenyl	348	328	94	20 - 155	

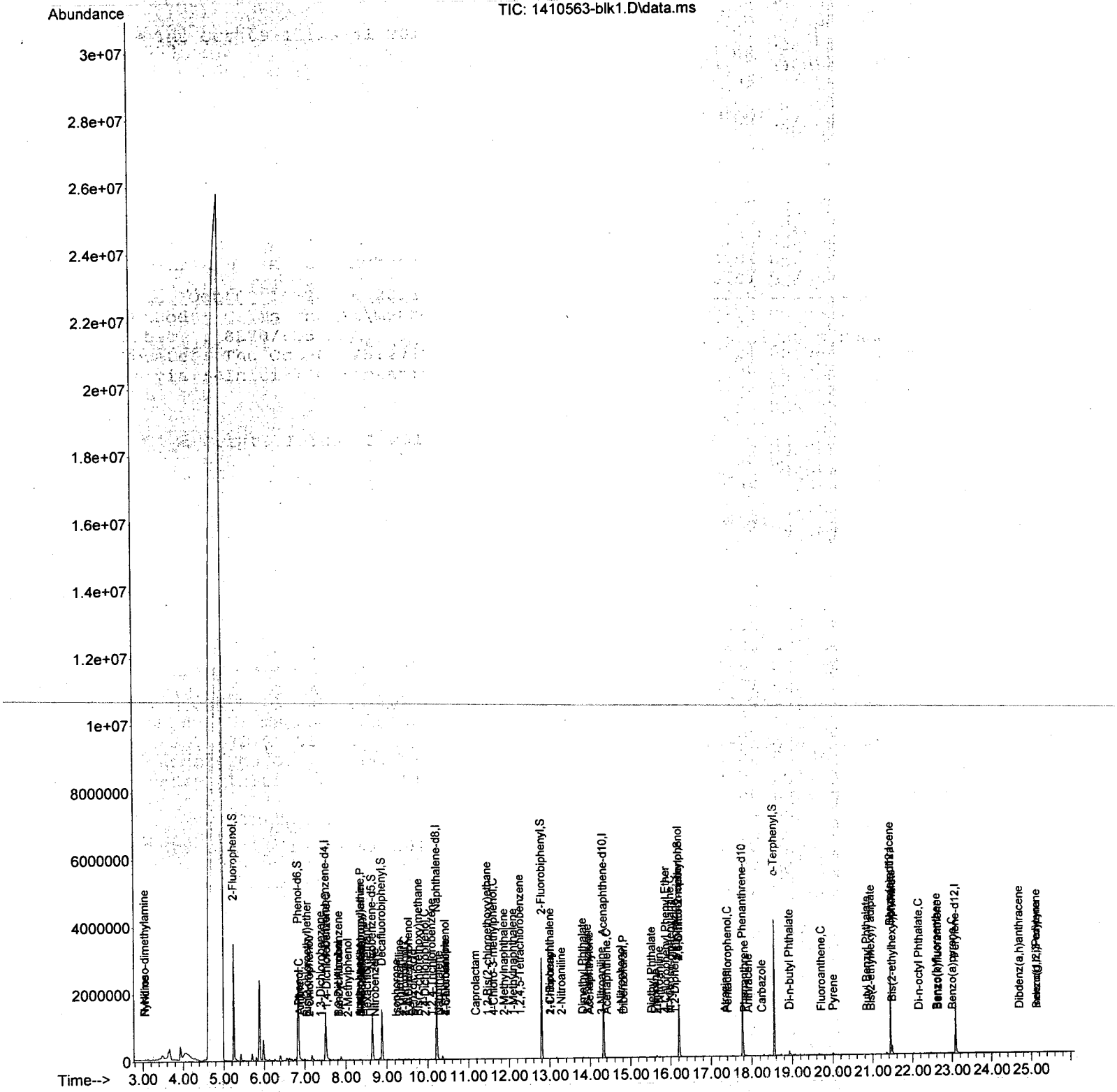
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	459651	7.509	403279	7.614	
Naphthalene-d8	1671265	10.225	1529030	10.359	
Acenaphthene-d10	936857	14.328	866604	14.474	
Phenanthrene-d10	1290633	17.779	1400442	17.901	
Chrysene-d12	1007711	21.445	1153654	21.538	
Perylene-d12	847363	23.089	991596	23.211	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-blk1.D
Acq On : 8 Oct 2014 16:02
Operator : JLB
Sample : 1410563-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 15:28:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

TIC: 1410563-blk1.D\data.ms



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-blk1.D
Acq On : 8 Oct 2014 16:02
Operator : JLB
Sample : 1410563-blk1
Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 15:28:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.509	152	459651	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.225	136	1671265	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.328	164	936857	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.779	188	1290633	5.00	ng/uL	0.00
81) Chrysene-d12	21.445	240	1007711	5.00	ng/uL	# 0.00
89) Perylene-d12	23.089	264	847363	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.242	112	1512321	14.40	ng/uL	0.17
6) Phenol-d6	6.839	99	2003634	14.74	ng/uL	0.04
21) Nitrobenzene-d5	8.651	82	838592	7.85	ng/uL	-0.01
23) Decafluorobiphenyl	8.884	334	637034	8.50	ng/uL	0.00
47) 2-Fluorobiphenyl	12.801	172	1610865	8.32	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.211	330	292668	14.95	ng/uL	-0.01
78) o-Terphenyl	18.554	230	1042060	9.42	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.050	74	667	0.01	ng/uL	88
3) Pyridine	3.056	79	150	0.00	ng/uL#	14
5) Aniline	6.885	93	4387	0.26	ng/uL#	1
7) Phenol	6.862	94	24317	0.16	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.060	93	662	0.01	ng/uL	87
9) 2-Chlorophenol	7.113	128	243	0.00	ng/uL#	1
10) 1,3-Dichlorobenzene	7.392	146	1203	0.01	ng/uL#	1
11) 1,4-Dichlorobenzene	7.532	146	796	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.835	146	954	0.01	ng/uL#	1
13) Bis(2-chloroisipropyl)...	8.377	45	327	0.00	ng/uL	97
14) Benzyl Alcohol	7.830	108	1673	0.02	ng/uL	96
15) 2-Methylphenol	8.057	108	196	0.00	ng/uL#	1
16) Acetophenone	8.342	105	8013	0.05	ng/uL#	73
17) Hexachloroethane	8.529	119	2255	0.05	ng/uL#	3
18) 4-Methylphenol	8.389	108	78	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.377	70	2864	0.03	ng/uL#	32
22) Nitrobenzene	8.715	77	337	0.00	ng/uL#	42
24) Isophorone	9.240	82	1732	0.01	ng/uL#	76
25) 2-Chloroaniline	9.322	127	201	0.00	ng/uL#	27
26) 2-Nitrophenol	9.450	139	238	0.00	ng/uL#	1
27) 2,4-Dimethylphenol	9.543	107	137	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.782	93	327	0.00	ng/uL	96
29) 2,4-Dichlorophenol	9.939	162	130	0.00	ng/uL#	18
30) Benzoic Acid	9.648	105	2255m	2.48	ng/uL	
31) 1,2,4-Trichlorobenzene	10.109	180	694	0.01	ng/uL	86
32) Naphthalene	10.278	128	1243	0.00	ng/uL#	1
33) 4-Chloroaniline	10.447	127	2365	0.03	ng/uL#	61
34) 2,6-Dichlorophenol	10.441	162	168	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.175	55	7833	0.16	ng/uL#	57
37) 1,2-Bis(2-chloroethoxy...	11.472	63	274	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.618	107	569	0.01	ng/uL#	60
39) 2-Methylnaphthalene	11.880	142	400	0.00	ng/uL#	73
40) 1-Methylnaphthalene	12.108	142	369	0.00	ng/uL#	88
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-blk1.D
Acq On : 8 Oct 2014 16:02
Operator : JLB
Sample : 1410563-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 15:28:30 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.271	216	59	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.017	162	291	0.00 ng/uL#	62
49) 1,1'-Biphenyl	13.011	154	8550	0.03 ng/uL	96
50) 2-Nitroaniline	13.291	138	1020	0.02 ng/uL#	78
51) Acenaphthylene	13.985	152	648	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	13.938	165	64	0.00 ng/uL#	1
53) Dimethyl Phthalate	13.816	163	4250	0.02 ng/uL#	87
54) 3-Nitroaniline	14.288	138	739	0.02 ng/uL#	1
55) Acenaphthene	14.410	153	300	0.00 ng/uL#	38
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.830	168	453	0.00 ng/uL#	65
58) 4-Nitrophenol	14.766	65	122	0.00 ng/uL#	6
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.628	166	290	0.00 ng/uL#	1
63) Diethyl Phthalate	15.535	149	6121	0.03 ng/uL	94
64) 4-Chlorophenyl Phenyl ...	15.891	204	419	0.00 ng/uL#	1
65) 4-Nitroaniline	15.721	138	491	0.02 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.211	198	635	RT ~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.001	169	4228	0.03 ng/uL	96
69) 1,2-Diphenylhydrazine	16.112	182	257	0.00 ng/uL	80
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.348	200	1239	0.03 ng/uL	96
74) Pentachlorophenol	17.412	266	869	0.03 ng/uL#	70
75) Phenanthrene	17.826	178	1601	0.01 ng/uL#	83
76) Anthracene	17.919	178	478	0.00 ng/uL#	78
77) Carbazole	18.251	167	558	0.00 ng/uL#	60
79) Di-n-butyl Phthalate	18.939	149	10882	0.04 ng/uL	98
80) Fluoroanthene	19.720	202	706	0.00 ng/uL#	62
82) Pyrene	20.017	202	689	0.00 ng/uL#	1
83) Butyl Benzyl Phthalate	20.857	149	1166	0.01 ng/uL#	63
84) Bis(2-ethylhexyl) adipate	20.956	129	1103	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.445	228	2734	0.01 ng/uL#	1
86) Chrysene	21.445	228	2734	0.02 ng/uL#	83
87) Bis(2-ethylhexyl)phtha...	21.486	149	61446	0.51 ng/uL	92
88) Di-n-octyl Phthalate	22.162	149	1052m	PP 0.34 ng/uL	
90) Benzo(b)fluoroanthene	22.611	252	592	0.00 ng/uL#	56
91) Benzo(k)fluoranthene	22.646	252	394	0.00 ng/uL#	58
92) Benzo(a)pyrene	23.013	252	423	0.00 ng/uL#	57
93) Indeno(1,2,3-cd)pyrene	25.135	276	1305	0.01 ng/uL#	86
94) Dibdenz(a,h)anthracene	24.703	278	941	0.01 ng/uL#	71
95) Benzo(g,h,i)Perylene	25.135	276	1305	0.01 ng/uL#	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-blk1.D
Acq On : 8 Oct 2014 16:02
Operator : JLB
Sample : 1410563-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 09:02:04 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration

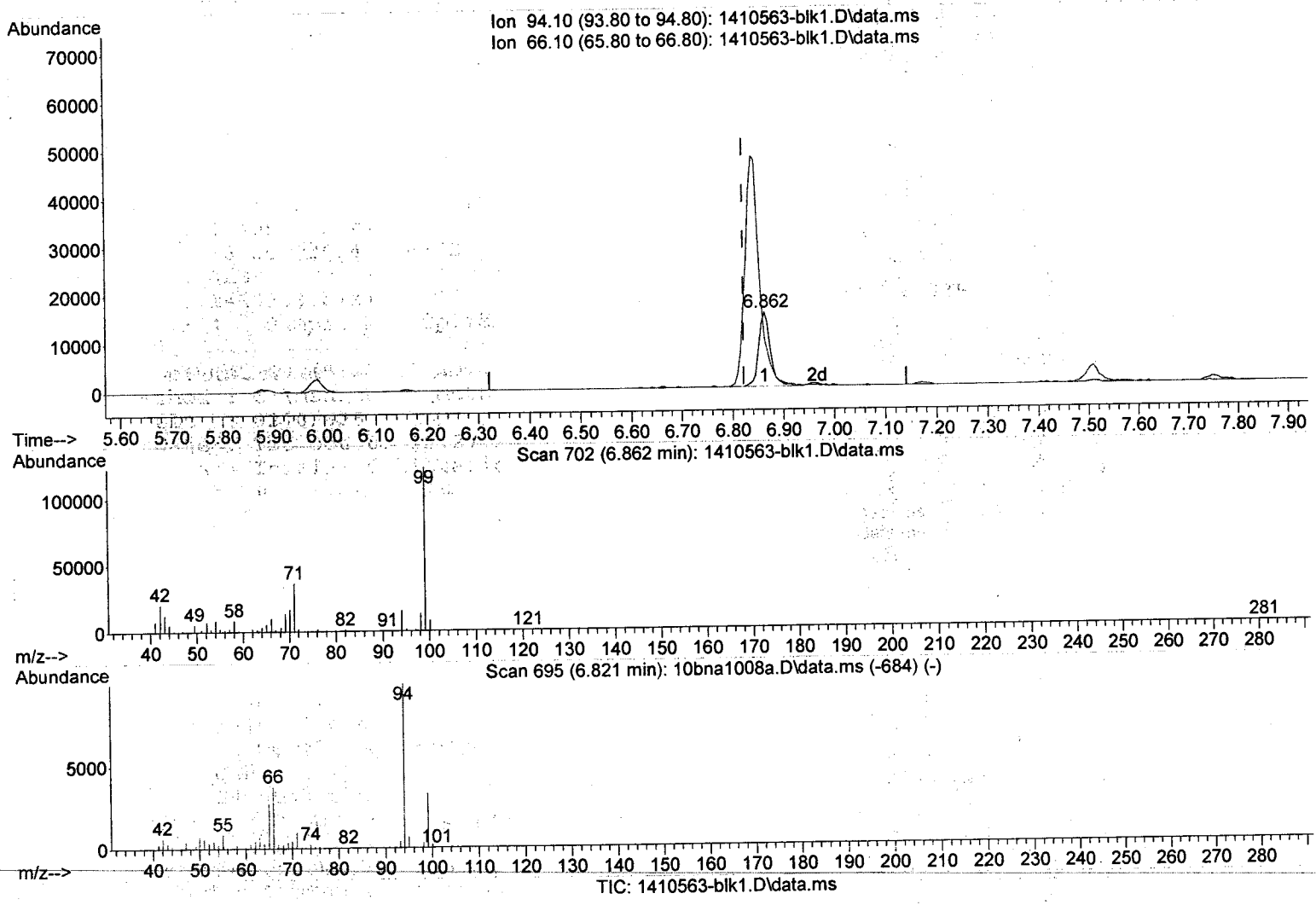
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.509	152	452396	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.225	136	1671265	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.328	164	935269	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.779	188	1291425	5.00	ng/uL		0.00
19) Chrysene-d12	21.445	240	1007711	5.00	ng/uL	#	0.00
22) Perylene-d12	23.089	264	847363	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.050	74	667	0.01	ng/uL	#	1
3) Pyridine	3.114	79	2690	0.02	ng/uL		98
4) Aniline	6.885	93	4387	0.02	ng/uL	#	1
5) Benzaldehyde	6.617	105	49644	0.50	ng/uL	#	81
6) Acetophenone	8.342	105	8013	0.05	ng/uL	#	73
7) N-Nitroso-di-n-propyla...	8.377	70	2864	0.03	ng/uL	#	32
9) 4-Chloroaniline	10.447	127	2365	0.03	ng/uL	#	61
10) Caprolactam	11.175	55	3717	0.16	ng/uL	#	70
12) 1,1'-Biphenyl	13.011	154	8550	0.03	ng/uL		96
13) 2-Nitroaniline	13.291	138	1020	0.02	ng/uL	#	78
14) 3-Nitroaniline	14.288	138	739	Below Cal		#	1
15) 4-Nitroaniline	15.721	138	491	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.001	169	4228	0.03	ng/uL		96
18) Atrazine	17.348	200	1239	Below Cal			96
20) Benzidine	0.000		0	N.D.			
21) 3,3'-Dichlorobenzidine	21.416	252	858	0.01	ng/uL		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-blk1.D
Acq On : 8 Oct 2014 16:02
Operator : JLB
Sample : 1410563-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 15:27:35 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(7) Phenol (C)

6.862min (+ 0.041) 0.16 ng/uL

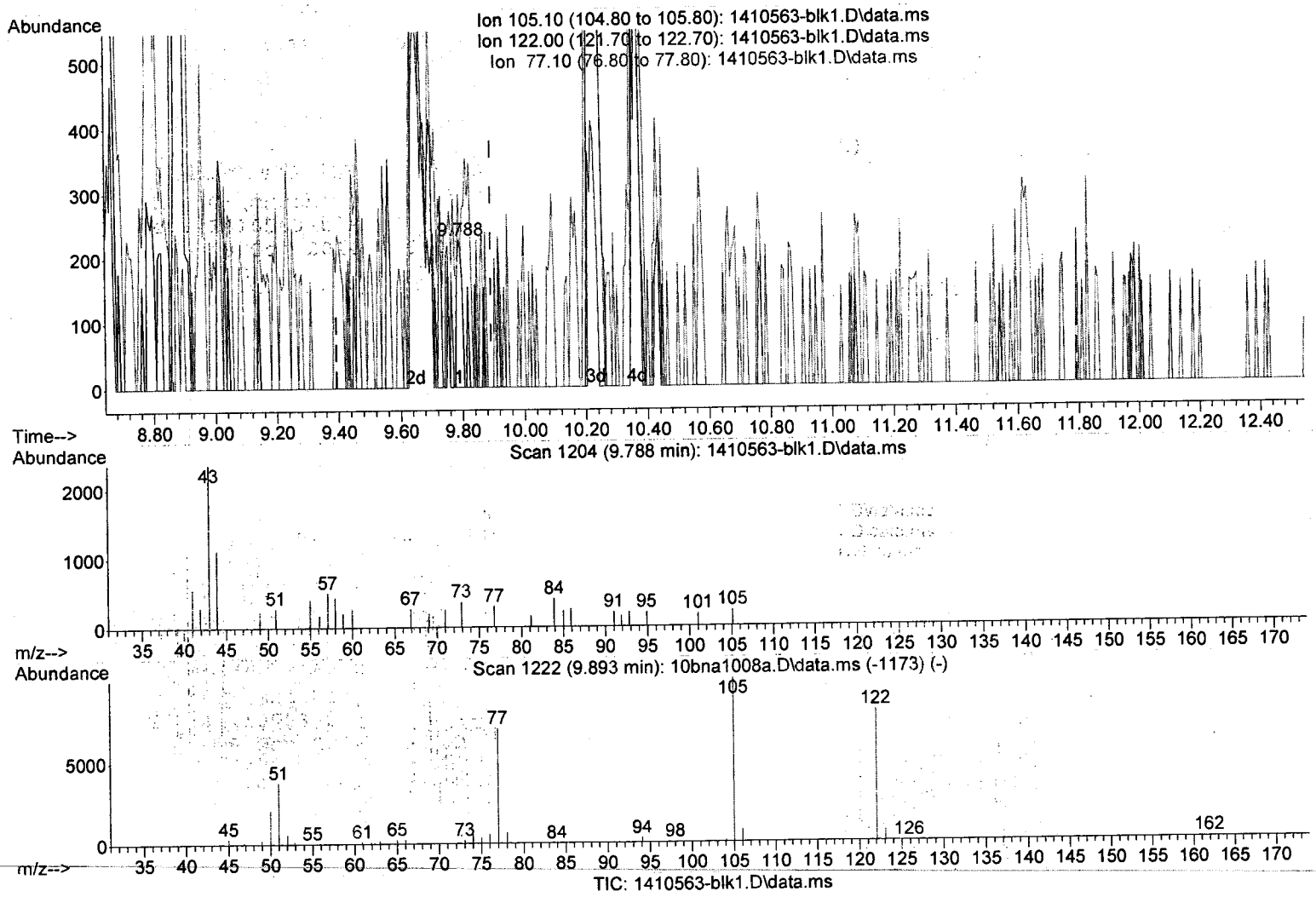
response 24317

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	387.13#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-blk1.D
Acq On : 8 Oct 2014 16:02
Operator : JLB
Sample : 1410563-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 15:27:35 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.788min (-0.105) 2.46 ng/uL

response 273

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	76.56
77.10	74.70	282.05#
0.00	0.00	0.00

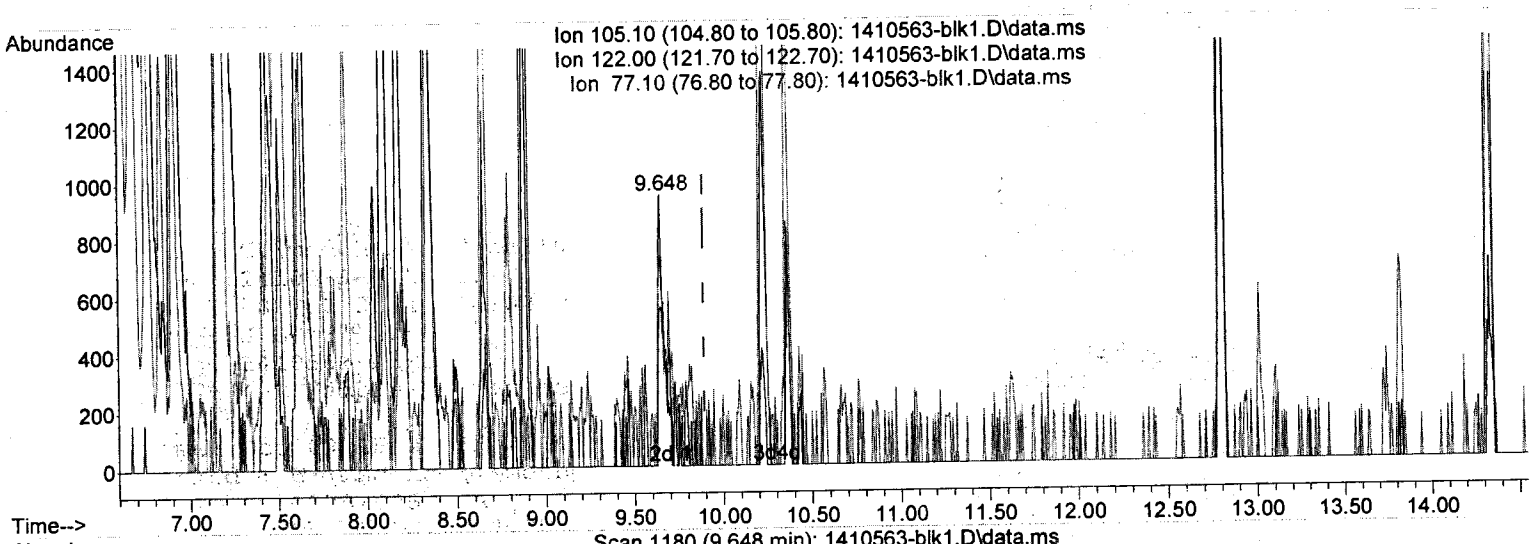
DWS 10-17-14

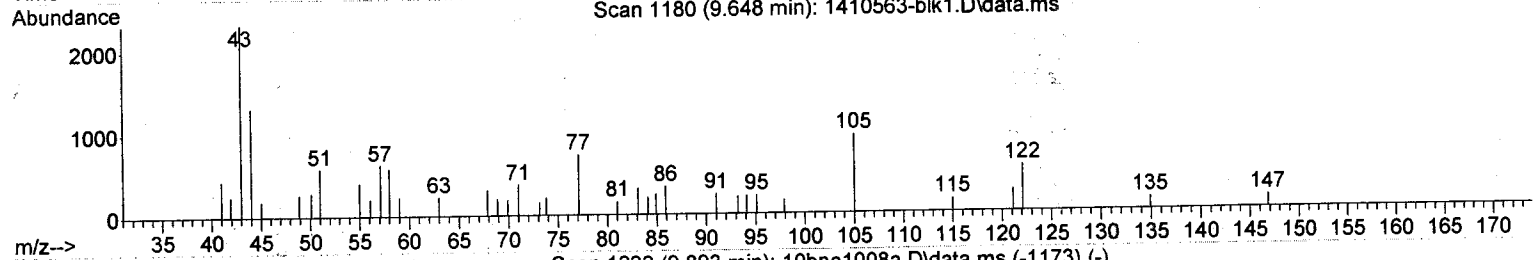
WS 10/16/14

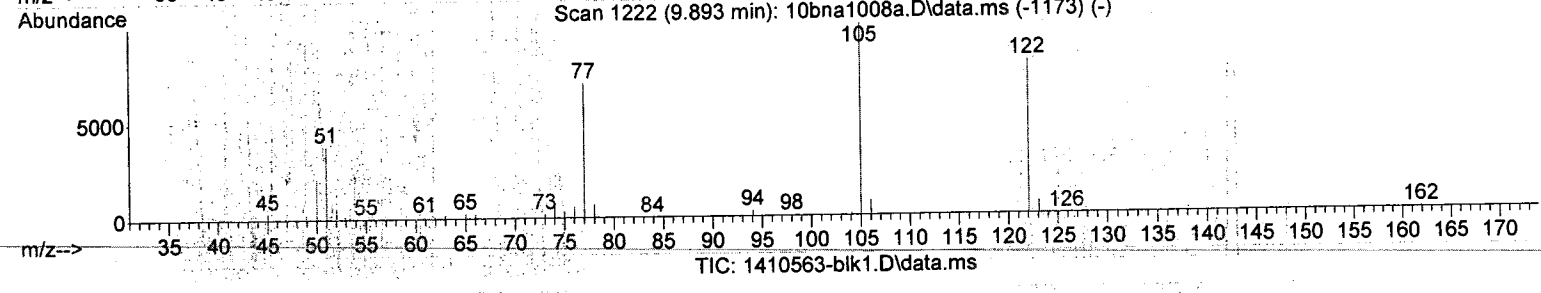
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-blk1.D
Acq On : 8 Oct 2014 16:02
Operator : JLB
Sample : 1410563-blk1
Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 15:27:35 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







TIC: 1410563-blk1.D\data.ms

(30) Benzoic Acid

9.648min (-0.245) 2.48 ng/uL m

response 2255

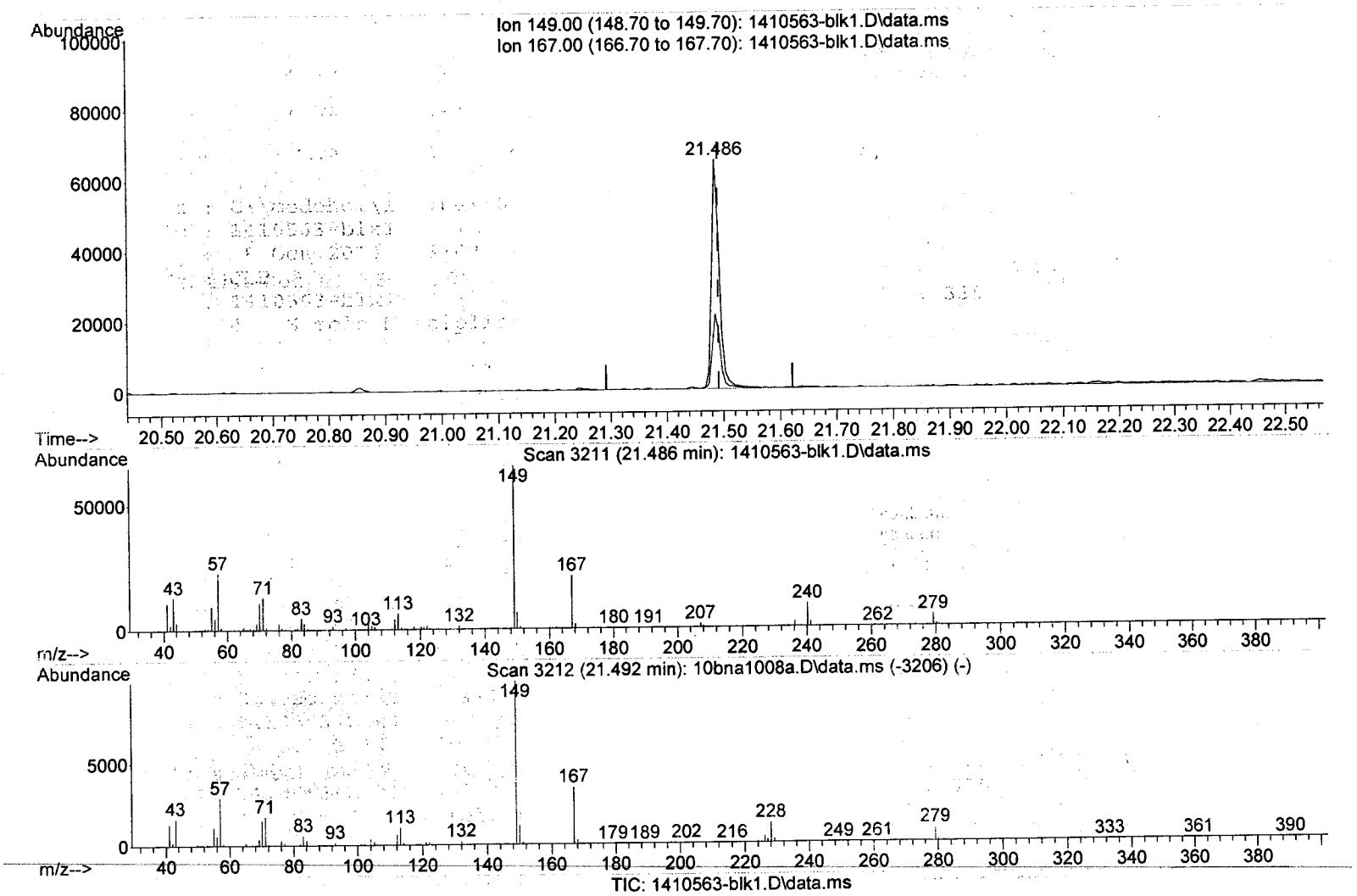
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	9.27#
77.10	74.70	34.15#
0.00	0.00	0.00

Manual Integration Explanation
Reason 1; Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes / No)
Analyst: JLB Date: 10/10/14
Reviewed By: DWT Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-blk1.D
Acq On : 8 Oct 2014 16:02
Operator : JLB
Sample : 1410563-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 15:27:35 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.486min (-0.006) 0.51 ng/uL

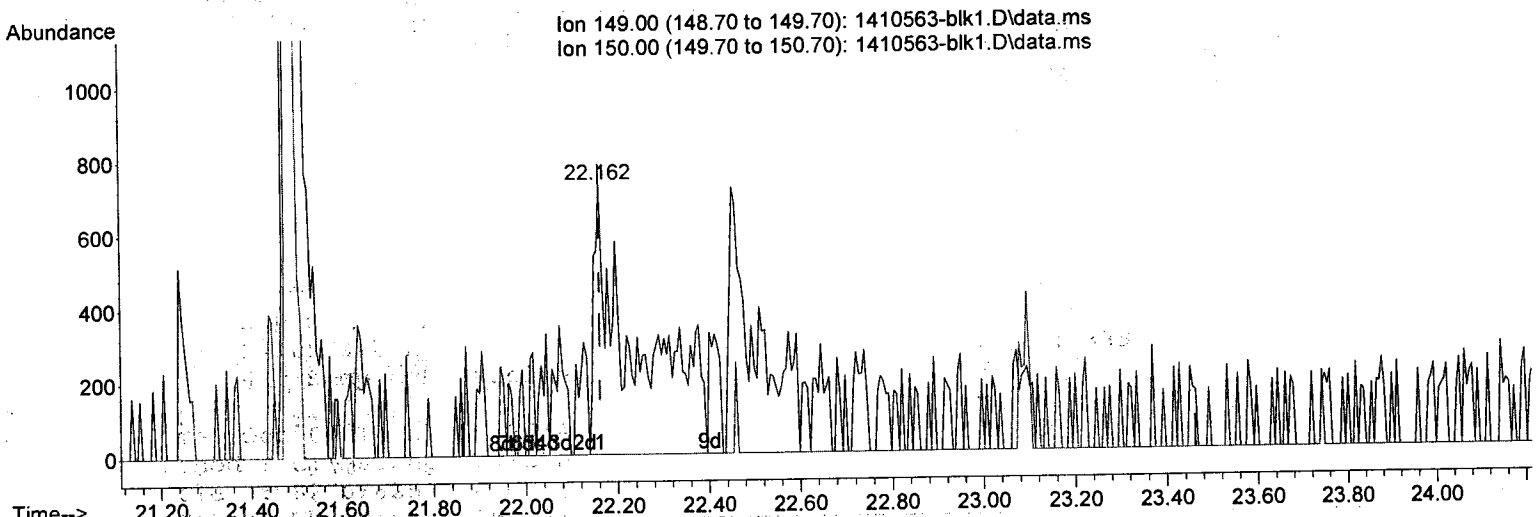
response 61446

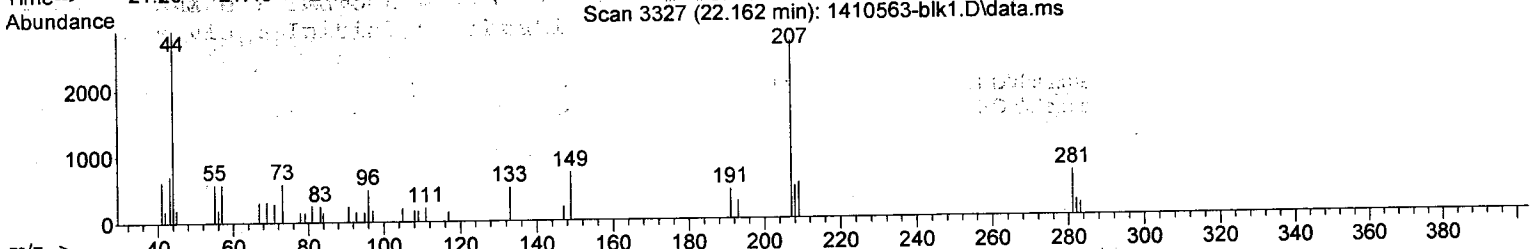
Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.54
0.00	0.00	0.00
0.00	0.00	0.00

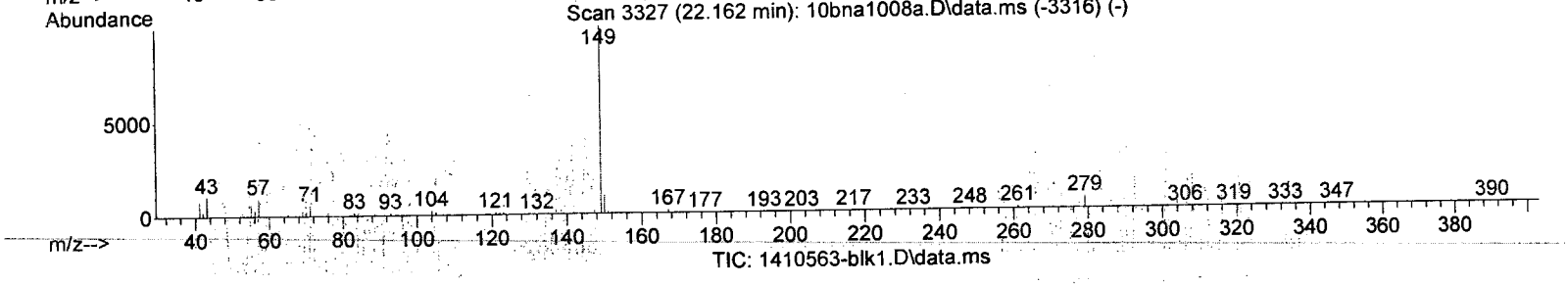
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-blk1.D
Acq On : 8 Oct 2014 16:02
Operator : JLB
Sample : 1410563-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 15:27:35 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration







(88) Di-n-octyl Phthalate (C)

22.162min (+ 0.000) 0.36 ng/uL

response 4564

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

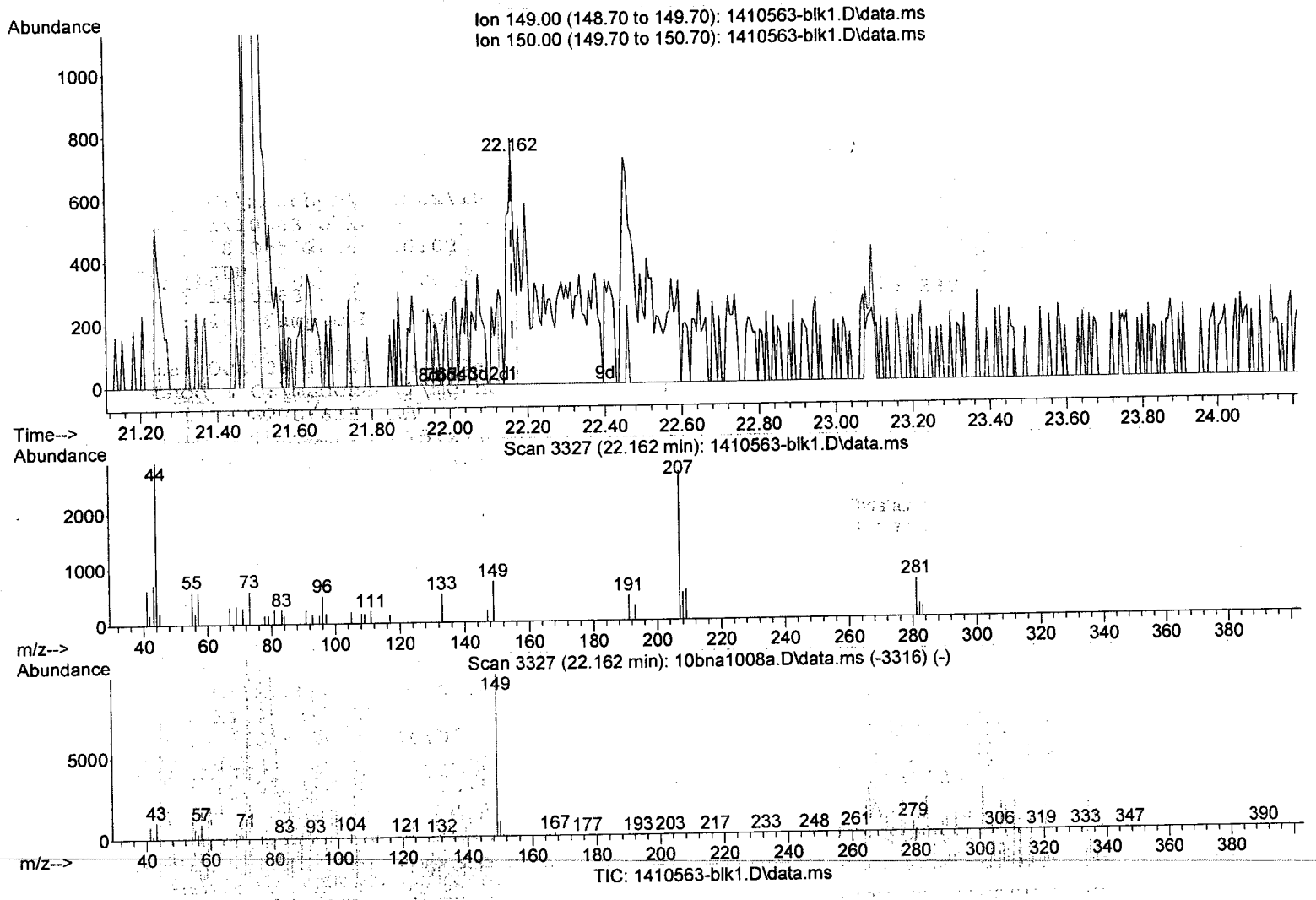
DWS 10-17-14

JWS 10/10/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-blk1.D
Acq On : 8 Oct 2014 16:02
Operator : JLB
Sample : 1410563-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 15:27:35 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.162min (+ 0.000) 0.34 ng/uL m

response 1052

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/10/14

Reviewed By: DW Date: 10-17-14

AP

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410563-BLK2 File ID: 1410563-blk2.D

Prepared: 10/15/14 11:41 Analyzed: 10/17/14 09:09

Preparation: 3550C Sonication Extract Initial/Final: 29.9 grams / 1 mL

QC Batch: 1410563 Sequence: 4J17060 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	2.7	ug/kg wet	2.3	8.3	17	J
205-99-2	Benzo(b)fluoranthene	3.3	ug/kg wet	1.9	8.3	17	J
207-08-9	Benzo(k)fluoranthene	3.7	ug/kg wet	2.0	8.3	17	J
191-24-2	Benzo(g,h,i)perylene	2.0	ug/kg wet	1.9	8.3	33	J
65-85-0	Benzoic Acid	170	ug/kg wet	69	170	330	U
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3'-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410563-BLK2 File ID: 1410563-blk2.D

Prepared: 10/15/14 11:41 Analyzed: 10/17/14 09:09

Preparation: 3550C Sonication Extract Initial/Final: 29.9 grams / 1 mL

QC Batch: 1410563 Sequence: 4J17060 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	19	ug/kg wet	3.9	17	17	
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	17	ug/kg wet	12	17	33	U
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	3.3	ug/kg wet	2.7	8.3	33	J
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	17	ug/kg wet	3.9	17	170	U
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	669	529	79	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410563-BLK2
File ID: 1410563-blk2.D
Prepared: 10/15/14 11:41
Analyzed: 10/17/14 09:09
Preparation: 3550C Sonication Extract
Initial/Final: 29.9 grams / 1 mL
QC Batch: 1410563
Sequence: 4J17060
Calibration: 4J06006
Instrument: 339

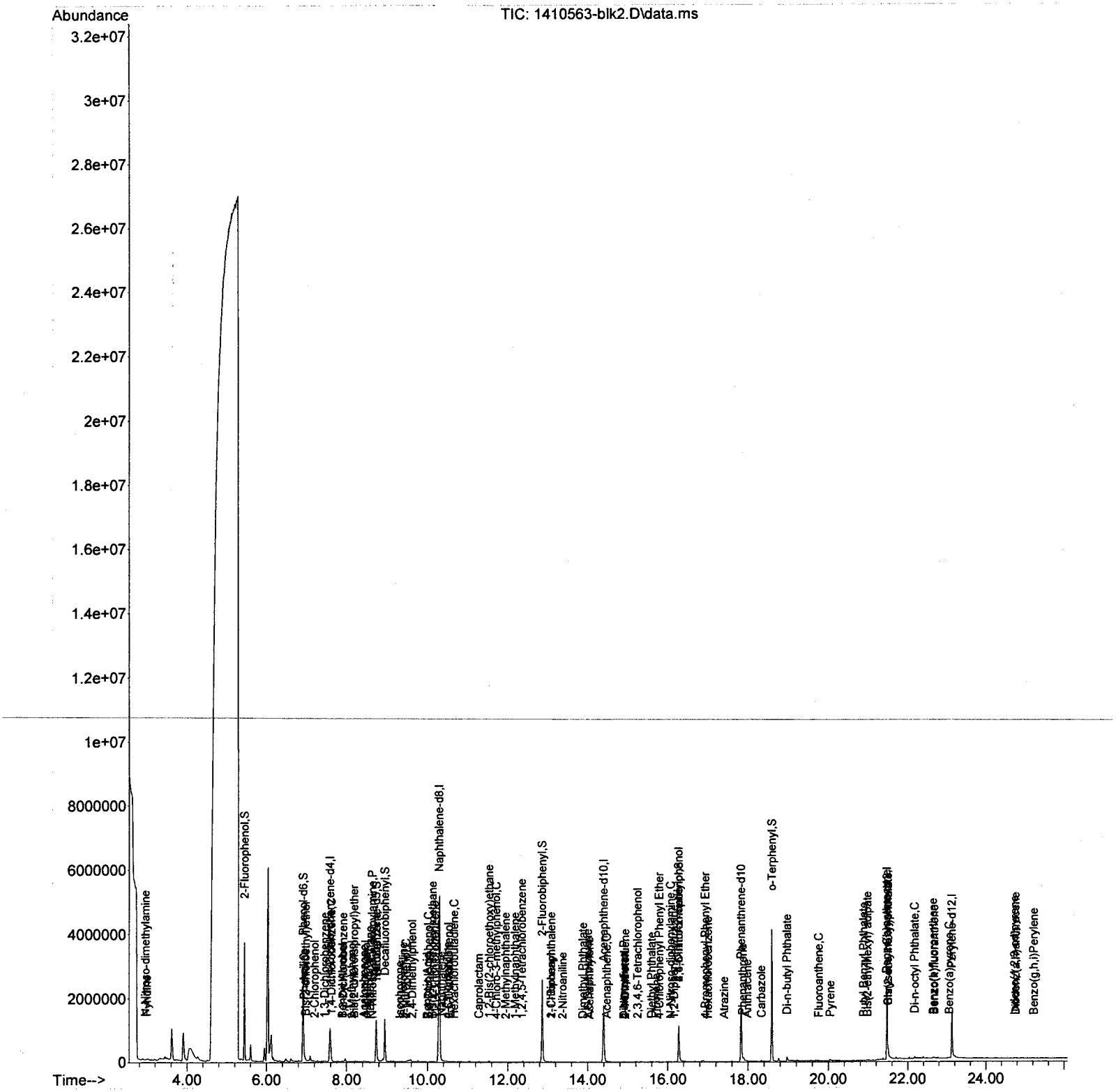
System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	669	582	87	30 - 115	
Nitrobenzene-d5	334	312	93	33 - 131	
2-Fluorobiphenyl	334	324	97	46 - 122	
2,4,6-Tribromophenol	669	438	65	12 - 124	
o-Terphenyl	334	368	110	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	420882	7.59	403279	7.614	
Naphthalene-d8	1591712	10.295	1529030	10.359	
Acenaphthene-d10	906452	14.398	866604	14.474	
Phenanthrene-d10	1365680	17.831	1400442	17.901	
Chrysene-d12	1378419	21.474	1153654	21.538	
Perylene-d12	1066171	23.129	991596	23.211	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410563-blk2.D
Acq On : 17 Oct 2014 9:09
Operator : JLB
Sample : 1410563-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 11:51:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



004157

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410563-blk2.D
Acq On : 17 Oct 2014 9:09
Operator : JLB
Sample : 1410563-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 11:51:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	420882	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.295	136	1591712	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.398	164	906452	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.831	188	1365680	5.00	ng/uL	-0.01
81) Chrysene-d12	21.474	240	1378419	5.00	ng/uL	# 0.00
89) Perylene-d12	23.129	264	1066171	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.445	112	1521188m	15.82	ng/uL	0.35
6) Phenol-d6	6.920	99	2167812	17.41	ng/uL	0.06
21) Nitrobenzene-d5	8.732	82	948989	9.33	ng/uL	0.00
23) Decafluorobiphenyl	8.948	334	619093	8.68	ng/uL	0.00
47) 2-Fluorobiphenyl	12.865	172	1816674	9.70	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.281	330	271185	13.09	ng/uL	-0.02
78) o-Terphenyl	18.600	230	1289350	11.01	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	2.950	74	58	0.00	ng/uL#	1
3) Pyridine	2.991	79	1479	0.01	ng/uL#	77
5) Aniline	6.937	93	253	0.23	ng/uL#	1
7) Phenol	6.943	94	4801	0.03	ng/uL#	1
8) Bis(2-chloroethyl)ether	6.984	93	953	0.01	ng/uL#	83
9) 2-Chlorophenol	7.205	128	1238	0.01	ng/uL#	74
10) 1,3-Dichlorobenzene	7.456	146	4122	0.03	ng/uL	91
11) 1,4-Dichlorobenzene	7.625	146	2592	0.02	ng/uL#	1
12) 1,2-Dichlorobenzene	7.916	146	3675	0.03	ng/uL#	41
13) Bis(2-chloroisipropyl)...	8.190	45	2545	0.01	ng/uL#	68
14) Benzyl Alcohol	7.899	108	3017	0.04	ng/uL#	20
15) 2-Methylphenol	8.138	108	818	0.01	ng/uL#	1
16) Acetophenone	8.435	105	7177	0.05	ng/uL#	79
17) Hexachloroethane	8.575	119	179	0.00	ng/uL#	3
18) 4-Methylphenol	8.482	108	332	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.639	70	1607	0.02	ng/uL	96
22) Nitrobenzene	8.738	77	3898	0.04	ng/uL#	1
24) Isophorone	9.315	82	5456	0.03	ng/uL	100
25) 2-Chloroaniline	9.409	127	839	0.01	ng/uL#	1
26) 2-Nitrophenol	9.473	139	429	0.01	ng/uL#	1
27) 2,4-Dimethylphenol	9.624	107	1089	0.01	ng/uL#	64
28) Bis(2-chlorethoxy)methane	10.131	93	346	0.00	ng/uL	87
29) 2,4-Dichlorophenol	10.026	162	644	0.01	ng/uL#	1
30) Benzoic Acid	9.997	105	1276	2.47	ng/uL#	65
31) 1,2,4-Trichlorobenzene	10.184	180	1831	0.02	ng/uL	93
32) Naphthalene	10.347	128	4744	0.01	ng/uL#	1
33) 4-Chloroaniline	10.504	127	2045	0.03	ng/uL#	82
34) 2,6-Dichlorophenol	10.528	162	744	0.01	ng/uL#	1
35) Hexachlorobutadiene	10.668	225	357	0.01	ng/uL#	47
36) Caprolactam	11.280	55	12775	0.28	ng/uL#	47
37) 1,2-Bis(2-chloroethoxy...	11.542	63	1578	0.02	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.717	107	1204	0.01	ng/uL#	29
39) 2-Methylnaphthalene	11.950	142	1929	0.01	ng/uL#	92
40) 1-Methylnaphthalene	12.183	142	1722	0.01	ng/uL#	88
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410563-blk2.D
Acq On : 17 Oct 2014 9:09
Operator : JLB
Sample : 1410563-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 11:51:33 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43)	1,2,4,5-Tetrachloroben...	12.352	216	709	0.01	ng/uL#	89
44)	Hexachlorocyclopentadiene	0.000		0	N.D.		
45)	2,4,6-Trichlorophenol	0.000		0	N.D.		
46)	2,4,5-Trichlorophenol	0.000		0	N.D.		
48)	2-Chloronaphthalene	13.086	162	1883	0.01	ng/uL#	78
49)	1,1'-Biphenyl	13.086	154	9114	0.04	ng/uL	96
50)	2-Nitroaniline	13.378	138	357	0.01	ng/uL#	80
51)	Acenaphthylene	14.048	152	2382	0.01	ng/uL#	75
52)	2,6-Dinitrotoluene	14.007	165	62	0.00	ng/uL#	1
53)	Dimethyl Phthalate	13.885	163	2372	0.01	ng/uL#	65
54)	3-Nitroaniline	0.000		0	N.D.		
55)	Acenaphthene	14.474	153	1936	0.01	ng/uL#	91
56)	2,4-Dinitrophenol	0.000		0	N.D.		
57)	Dibenzofuran	14.899	168	2197	0.01	ng/uL	95
58)	4-Nitrophenol	14.911	65	183	0.00	ng/uL#	1
59)	2,4-Dinitrotoluene	14.934	165	52	0.00	ng/uL#	1
60)	2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61)	2,3,4,6-Tetrachlorophenol	15.243	232	61	0.00	ng/uL#	12
62)	Fluorene	15.709	166	1693	0.01	ng/uL#	77
63)	Diethyl Phthalate	15.593	149	9637	0.05	ng/uL	98
64)	4-Chlorophenyl Phenyl ...	15.785	204	494	0.01	ng/uL#	1
65)	4-Nitroaniline	0.000		0	N.D.		
67)	4,6-Dinitro-2-methylph...	16.281	198	705	~~1.01~~	ng/uL#	1
68)	N-Nitroso-diphenylamine	16.077	169	4643	0.03	ng/uL	93
69)	1,2-Diphenylhydrazine	16.158	182	344	0.01	ng/uL#	21
71)	4-Bromophenyl Phenyl E...	16.939	248	204	0.00	ng/uL#	14
72)	Hexachlorobenzene	17.003	284	359	0.01	ng/uL#	30
73)	Atrazine	17.405	200	1672	0.04	ng/uL	94
74)	Pentachlorophenol	0.000		0	N.D.		
75)	Phenanthrene	17.872	178	4752	0.02	ng/uL#	86
76)	Anthracene	17.983	178	2916	0.01	ng/uL#	84
77)	Carbazole	18.326	167	4274	0.02	ng/uL#	89
79)	Di-n-butyl Phthalate	18.973	149	16343	0.06	ng/uL	97
80)	Fluoroanthene	19.760	202	3832	0.02	ng/uL#	89
82)	Pyrene	20.052	202	4970	0.02	ng/uL#	56
83)	Butyl Benzyl Phthalate	20.879	149	4960	0.04	ng/uL	90
84)	Bis(2-ethylhexyl) adipate	20.978	129	4216	0.10	ng/uL#	100
85)	Benzo(a)anthracene	21.462	228	7674	0.03	ng/uL#	1
86)	Chrysene	21.497	228	5948	0.02	ng/uL#	1
87)	Bis(2-ethylhexyl)phtha...	21.503	149	49844	0.30	ng/uL	91
88)	Di-n-octyl Phthalate	22.173	149	65917	0.56	ng/uL#	88
90)	Benzo(b)fluoroanthene	22.645	252	19520	0.10	ng/uL	97
91)	Benzo(k)fluoranthene	22.680	252	23967	0.11	ng/uL	94
92)	Benzo(a)pyrene	23.059	252	15057	0.08	ng/uL#	87
93)	Indeno(1,2,3-cd)pyrene	24.738	276	16104	0.10	ng/uL#	86
94)	Dibdenz(a,h)anthracene	24.767	278	5898	0.05	ng/uL#	70
95)	Benzo(g,h,i)Perylene	25.222	276	8526	0.06	ng/uL#	59

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410563-blk2.D
Acq On : 17 Oct 2014 9:09
Operator : JLB
Sample : 1410563-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 11:47:52 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 09:04:10 2014
Response via : Initial Calibration

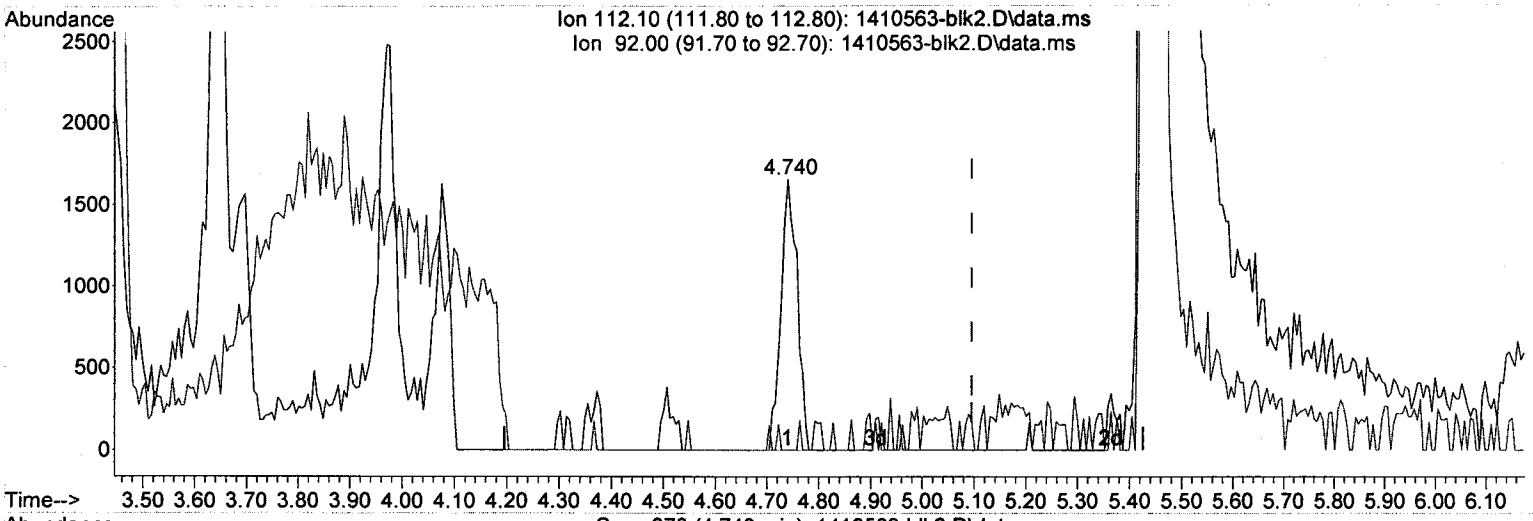
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.590	152	397186	5.00	ng/uL	#	0.05
8) Naphthalene-d8	10.295	136	1591712	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.398	164	887051	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.831	188	1491136	5.00	ng/uL		0.00
19) Chrysene-d12	21.474	240	1378419	5.00	ng/uL	#	0.00
22) Perylene-d12	23.129	264	1080074	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.898	74	1160	0.02	ng/uL	#	1
3) Pyridine	2.898	79	412	0.00	ng/uL	#	1
4) Aniline	6.937	93	253	0.00	ng/uL	#	1
5) Benzaldehyde	6.722	105	376	0.00	ng/uL	#	1
6) Acetophenone	8.435	105	7177	0.05	ng/uL	#	79
7) N-Nitroso-di-n-propyla...	8.639	70	1607	0.02	ng/uL		96
9) 4-Chloroaniline	10.504	127	2045	0.03	ng/uL	#	82
10) Caprolactam	11.280	55	4255	0.18	ng/uL	#	61
12) 1,1'-Biphenyl	13.086	154	9114	0.03	ng/uL		96
13) 2-Nitroaniline	13.378	138	357	0.02	ng/uL	#	80
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.954	138	53	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.077	169	4643	0.03	ng/uL		93
18) Atrazine	17.405	200	1672	Below Cal			94
20) Benzidine	20.133	184	124	0.41	ng/uL	#	1
21) 3,3'-Dichlorobenzidine	21.451	252	114	0.00	ng/uL		95

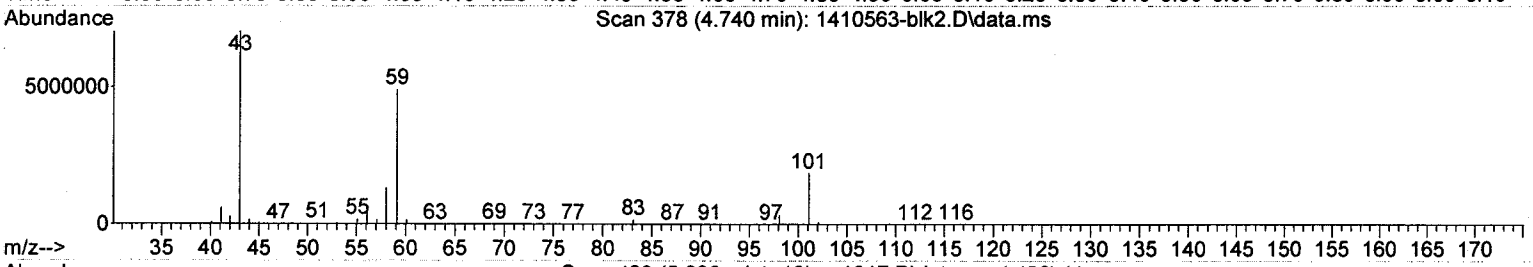
(#) = qualifier out of range (m) = manual integration (+) = signals summed

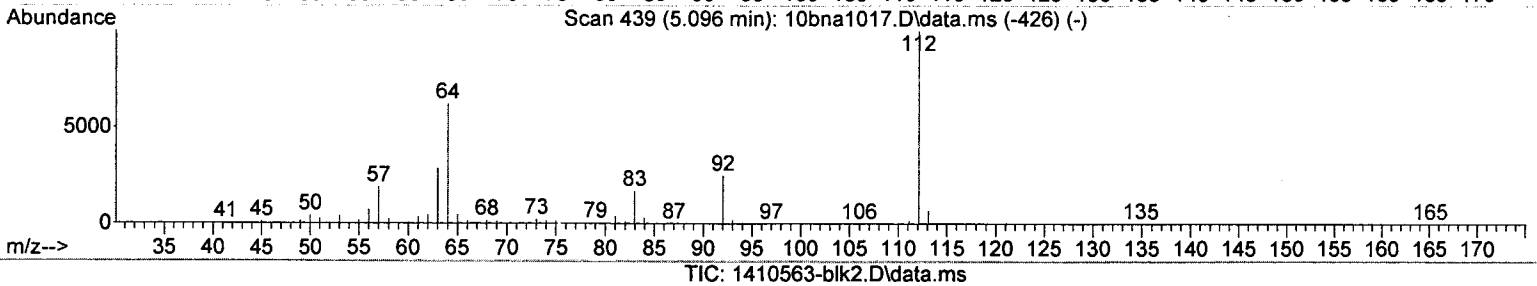
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410563-blk2.D
Acq On : 17 Oct 2014 9:09
Operator : JLB
Sample : 1410563-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 11:51:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1410563-blk2.D\data.ms

(4) 2-Fluorophenol (S)

4.740min (-0.356) 0.04 ng/uL

response 3583

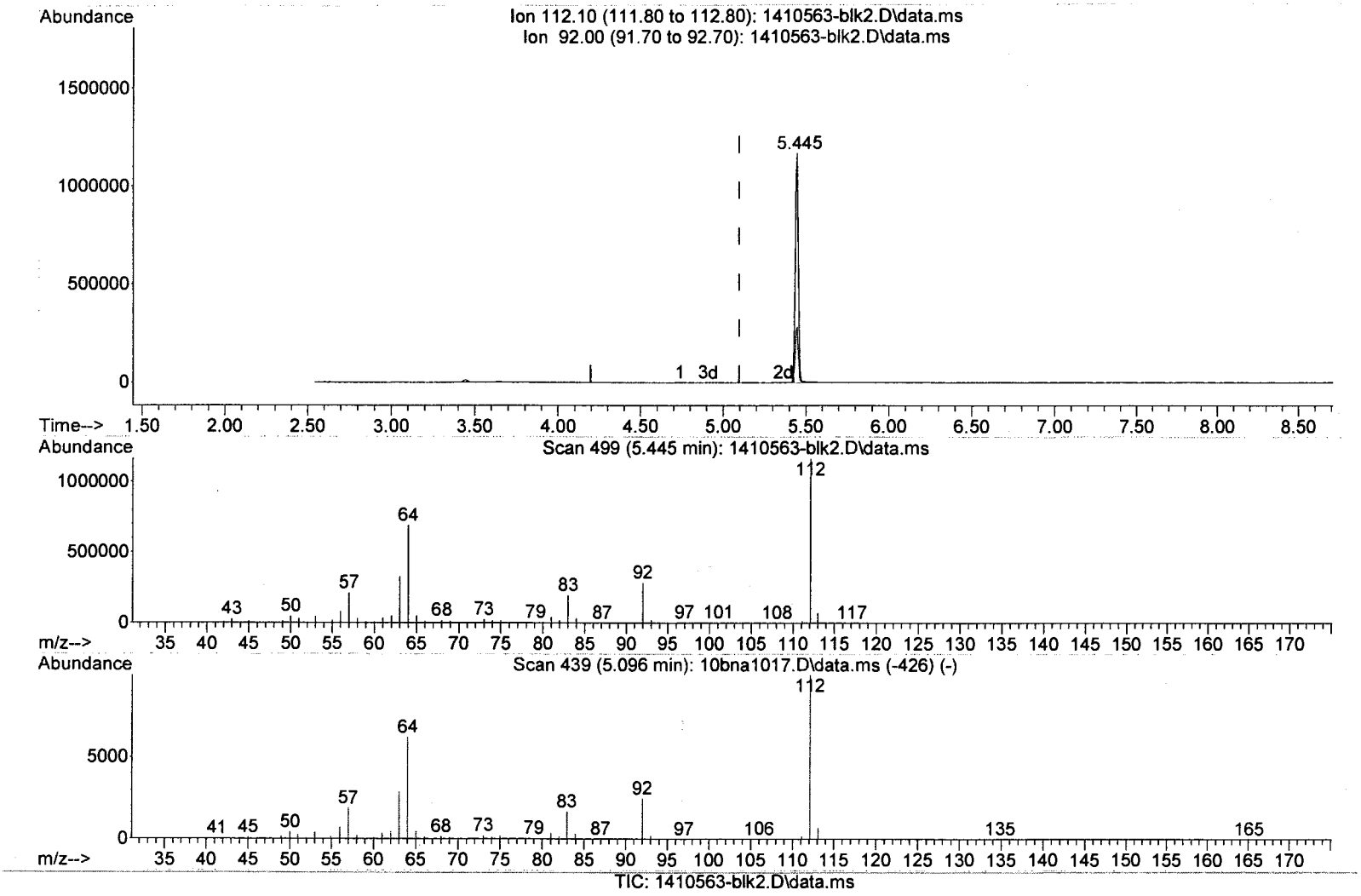
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	4.94#
0.00	0.00	0.00
0.00	0.00	0.00

10/17/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410563-blk2.D
Acq On : 17 Oct 2014 9:09
Operator : JLB
Sample : 1410563-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 11:51:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410563-blk2.D\data.ms

(4) 2-Fluorophenol (S)

5.445min (+ 0.350) 15.82 ng/uL m

response 1521188

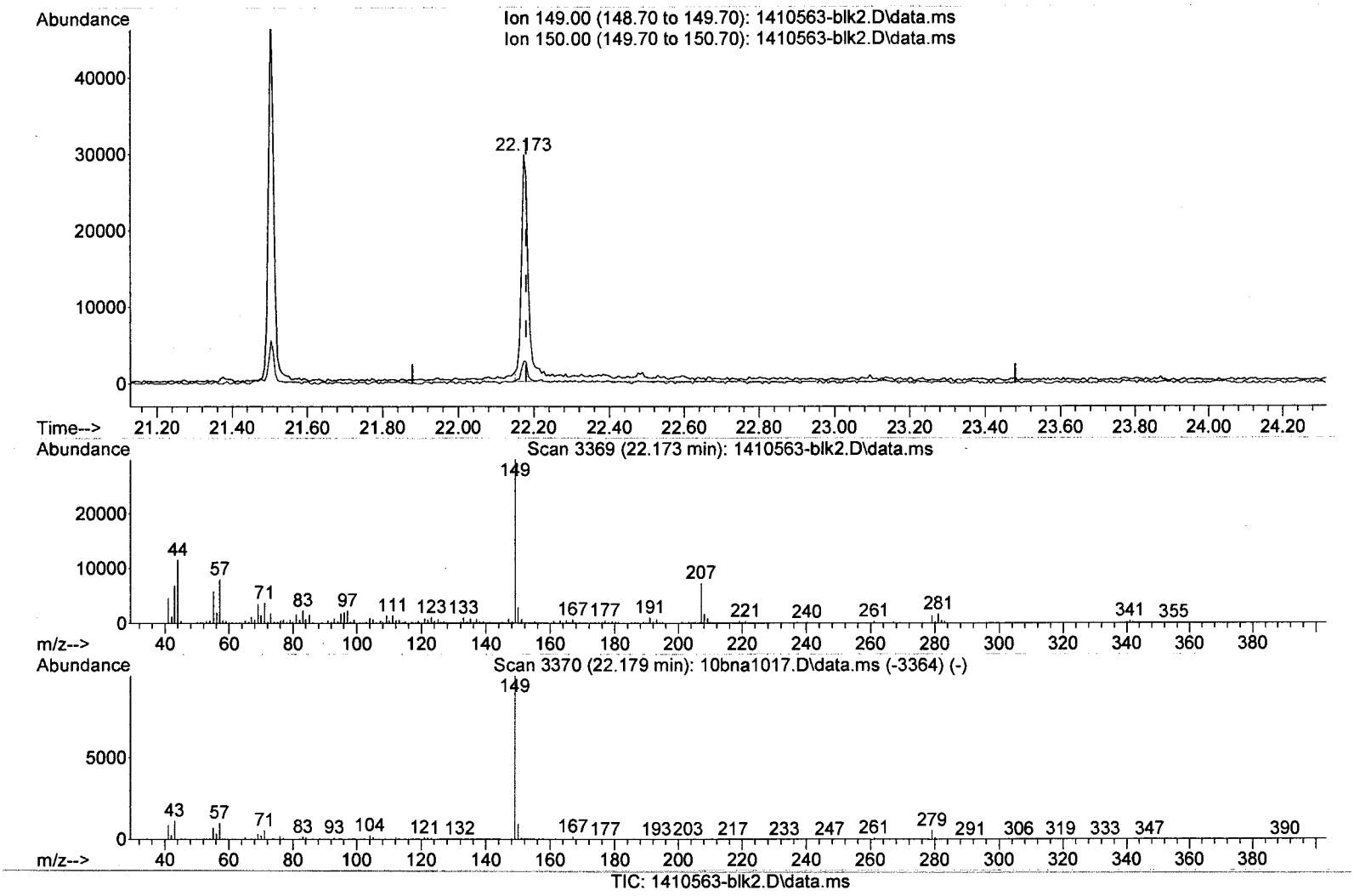
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.01#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/17/14
Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410563-blk2.D
Acq On : 17 Oct 2014 9:09
Operator : JLB
Sample : 1410563-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 11:51:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410563-blk2.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.173min (-0.006) 0.56 ng/uL

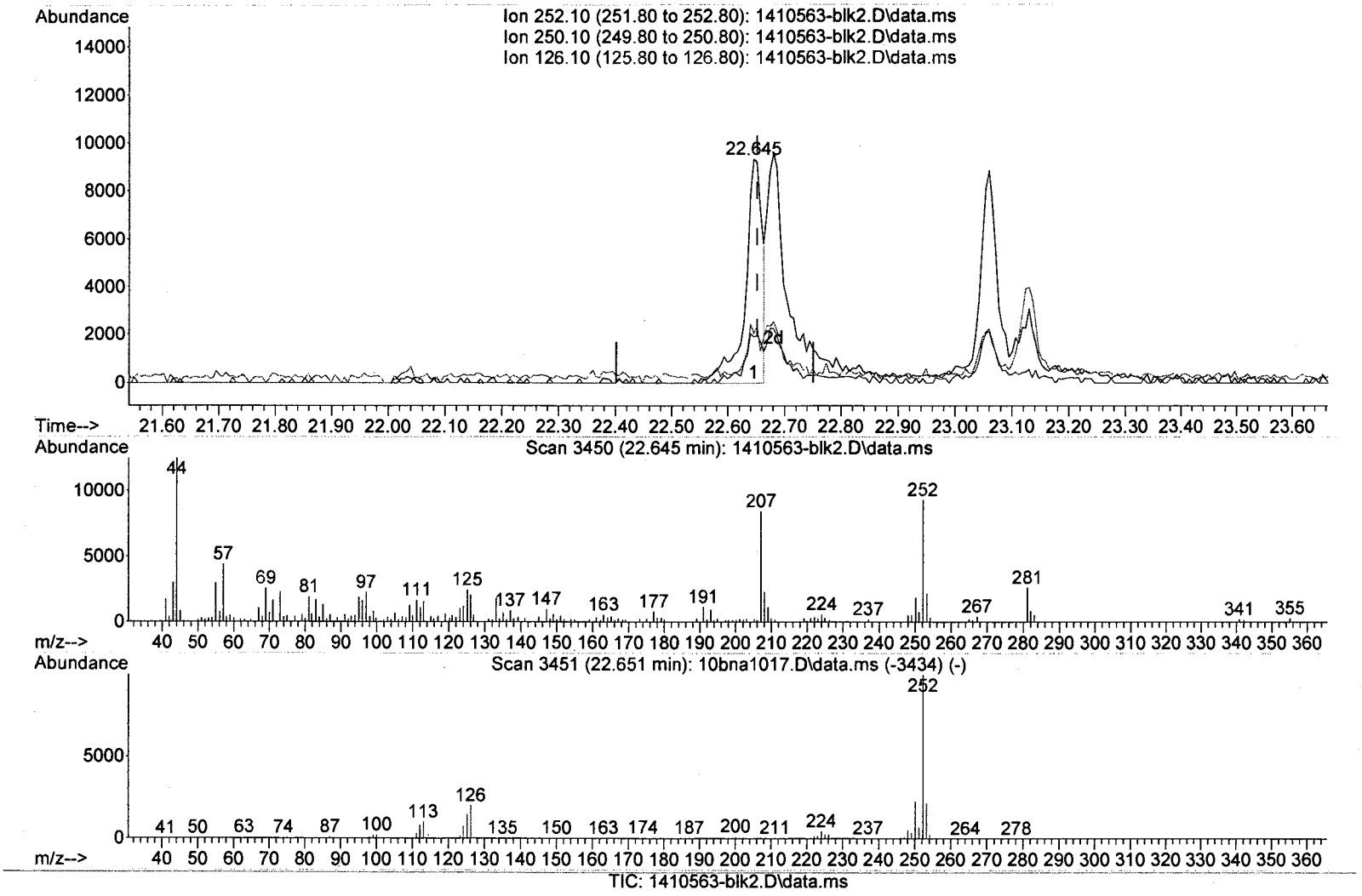
response 65917

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	5.35#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410563-blk2.D
Acq On : 17 Oct 2014 9:09
Operator : JLB
Sample : 1410563-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 11:51:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410563-blk2.D\data.ms

(90) Benzo(b)fluoroanthene

22.645min (-0.006) 0.10 ng/uL

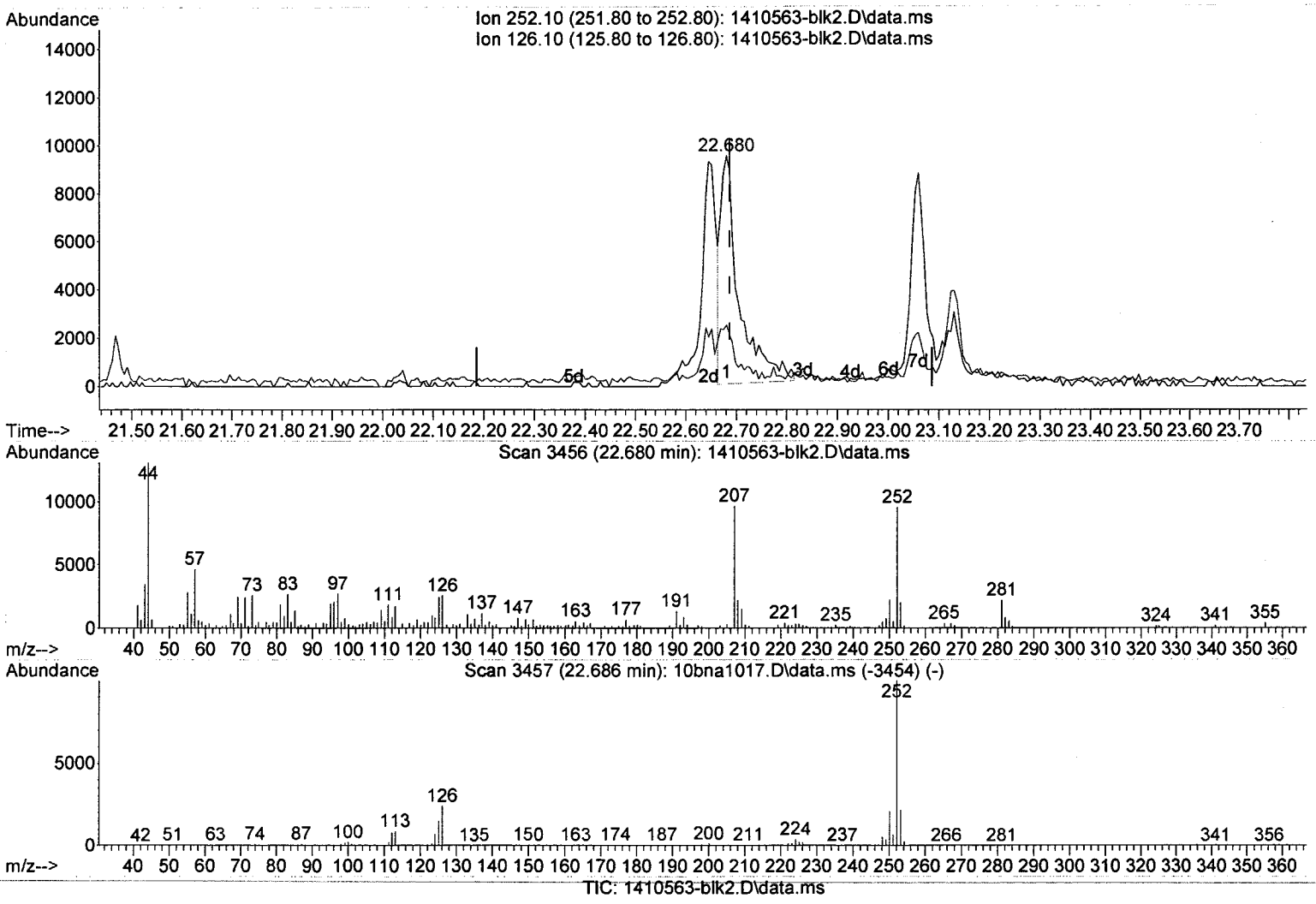
response 19520

Ion	Exp%	Act%
252.10	100.00	100.00
250.10	22.50	23.44
126.10	17.20	15.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410563-blk2.D
Acq On : 17 Oct 2014 9:09
Operator : JLB
Sample : 1410563-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 11:51:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



TIC: 1410563-blk2.D\data.ms

(91) Benzo(k)fluoranthene

22.680min (-0.006) 0.11 ng/uL

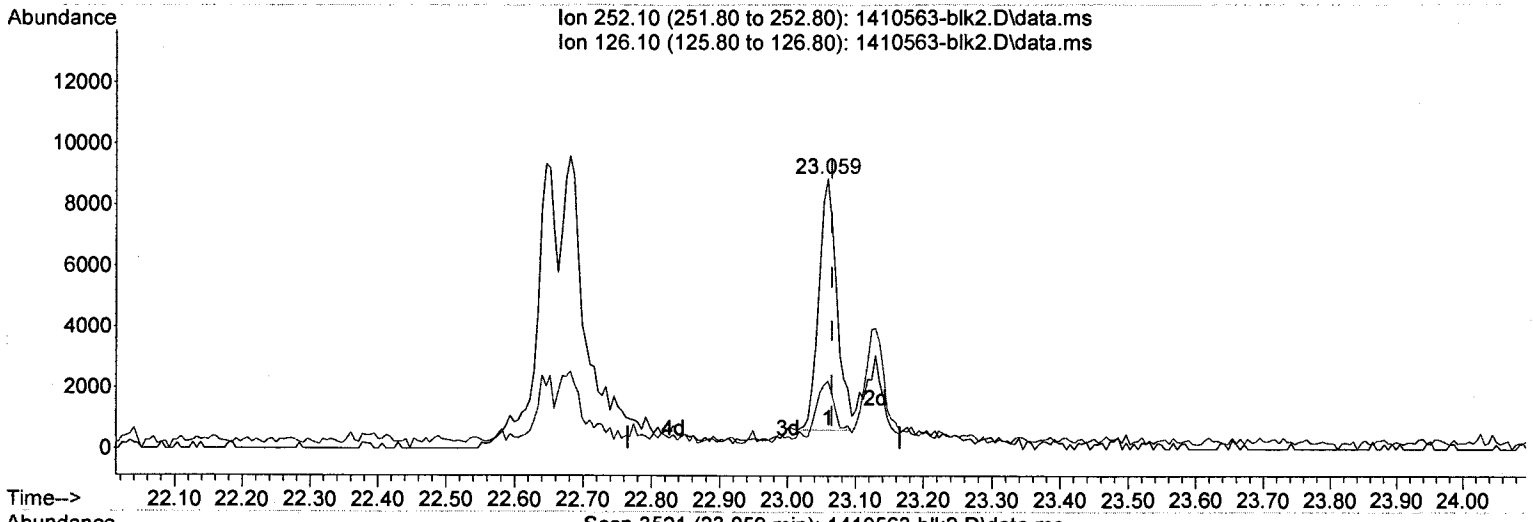
response 23967

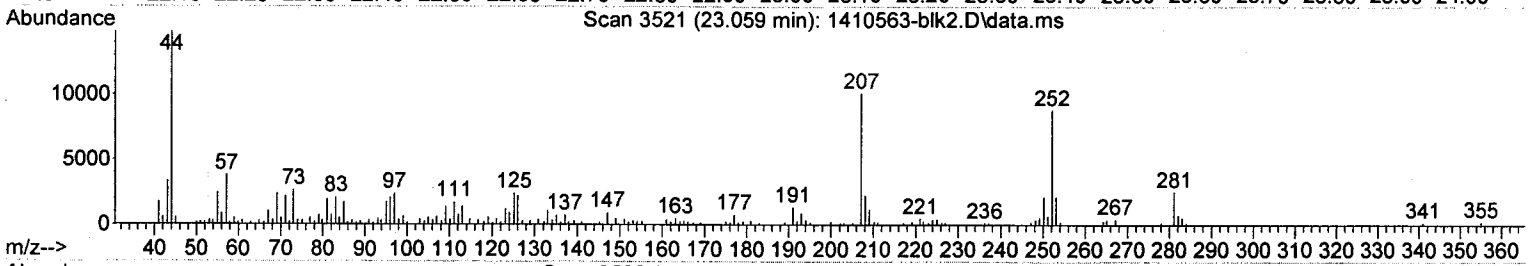
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	21.70
0.00	0.00	0.00
0.00	0.00	0.00

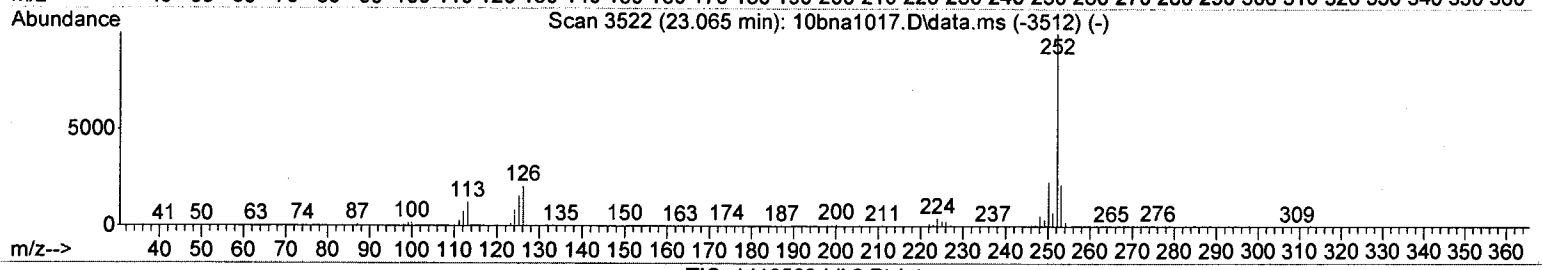
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410563-blk2.D
Acq On : 17 Oct 2014 9:09
Operator : JLB
Sample : 1410563-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 11:51:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration







TIC: 1410563-blk2.D\data.ms

(92) Benzo(a)pyrene (C)

23.059min (-0.006) 0.08 ng/uL

response 15057

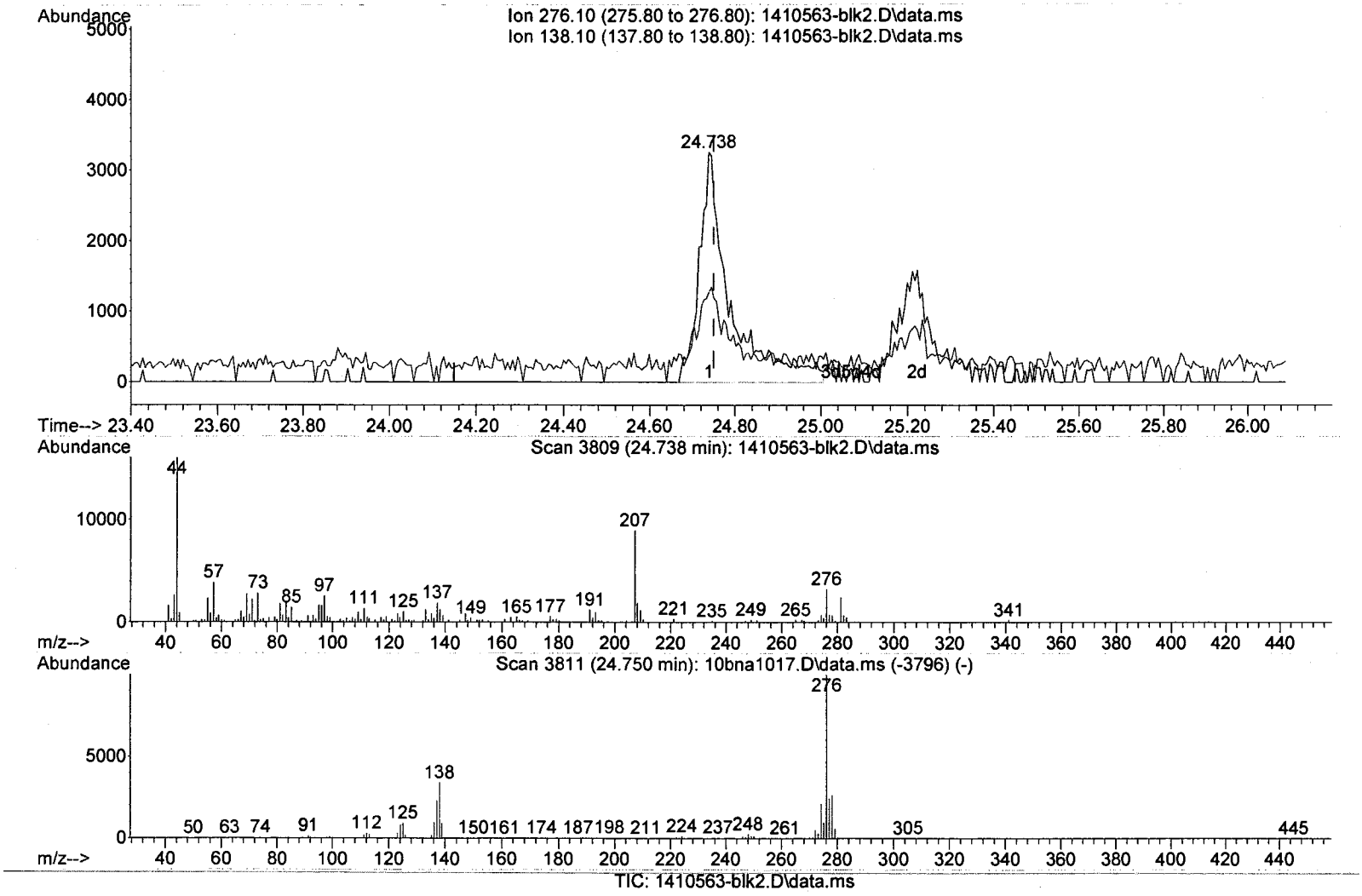
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	25.30#
0.00	0.00	0.00
0.00	0.00	0.00

004166

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410563-blk2.D
Acq On : 17 Oct 2014 9:09
Operator : JLB
Sample : 1410563-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 11:51:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



(93) Indeno(1,2,3-cd)pyrene

24.738min (-0.012) 0.10 ng/uL

response 16104

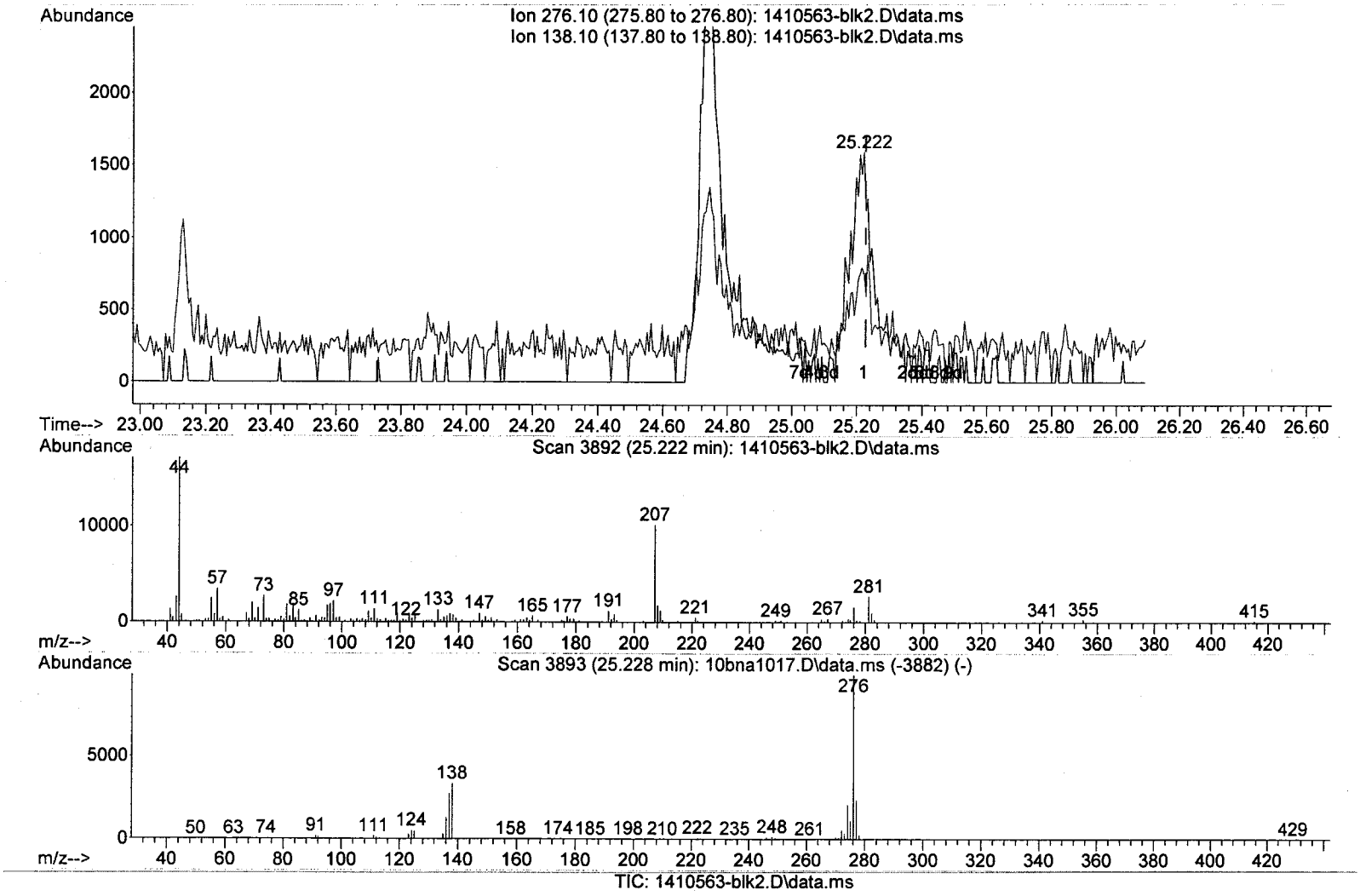
Ion	Exp%	Act%
276.10	100.00	100.00
138.10	28.90	21.24#
0.00	0.00	0.00
0.00	0.00	0.00

004467

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101714_339\
Data File : 1410563-blk2.D
Acq On : 17 Oct 2014 9:09
Operator : JLB
Sample : 1410563-blk2 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 11:51:22 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 17 08:54:59 2014
Response via : Initial Calibration



(95) Benzo(g,h,i)Perylene

25.222min (-0.006) 0.06 ng/uL

response 8526

Ion	Exp%	Act%
276.10	100.00	100.00
138.10	26.90	5.69#
0.00	0.00	0.00
0.00	0.00	0.00

004468

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410565-BLK1 File ID: 1410565-blk1.D

Prepared: 10/02/14 07:47 Analyzed: 10/08/14 09:20

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1410565 Sequence: 4J09008 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	0.10	ug/L	0.033	0.10	0.50	U
208-96-8	Acenaphthylene	0.050	ug/L	0.017	0.050	0.50	U
120-12-7	Anthracene	0.20	ug/L	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	0.10	ug/L	0.045	0.10	0.50	U
50-32-8	Benzo(a)pyrene	0.10	ug/L	0.040	0.10	0.50	U
205-99-2	Benzo(b)fluoranthene	0.20	ug/L	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	0.20	ug/L	0.060	0.20	0.50	U
191-24-2	Benzo(g,h,i)perylene	0.20	ug/L	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	2.0	ug/L	0.48	2.0	5.0	U
100-51-6	Benzyl Alcohol	0.10	ug/L	0.049	0.10	0.50	U
101-55-3	4-Bromophenyl Phenyl Ether	0.10	ug/L	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	0.20	ug/L	0.056	0.20	1.0	U
86-74-8	Carbazole	0.20	ug/L	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	0.25	ug/L	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	0.25	ug/L	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	0.050	ug/L	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	0.050	ug/L	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	0.10	ug/L	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	0.050	ug/L	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	0.10	ug/L	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	0.10	ug/L	0.048	0.10	0.50	U
218-01-9	Chrysene	0.10	ug/L	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	0.25	ug/L	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	0.10	ug/L	0.041	0.10	0.50	U
84-74-2	Di-n-butyl Phthalate	0.22	ug/L	0.14	1.0	1.0	J
106-46-7	1,4-Dichlorobenzene	0.050	ug/L	0.020	0.050	0.50	U
95-50-1	1,2-Dichlorobenzene	0.10	ug/L	0.040	0.10	0.50	U
541-73-1	1,3-Dichlorobenzene	0.10	ug/L	0.041	0.10	0.50	U
91-94-1	3,3´-Dichlorobenzidine	0.50	ug/L	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	0.20	ug/L	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	0.25	ug/L	0.065	0.25	0.50	U
105-67-9	2,4-Dimethylphenol	0.50	ug/L	0.17	0.50	1.0	U
131-11-3	Dimethyl Phthalate	0.10	ug/L	0.046	0.10	0.50	U
534-52-1	4,6-Dinitro-2-methylphenol	4.0	ug/L	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	5.0	ug/L	1.2	5.0	5.0	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410565-BLK1 File ID: 1410565-blk1.D

Prepared: 10/02/14 07:47 Analyzed: 10/08/14 09:20

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1410565 Sequence: 4J09008 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	0.20	ug/L	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	0.10	ug/L	0.048	0.10	0.50	U
117-84-0	Di-n-octyl Phthalate	0.20	ug/L	0.077	0.20	0.50	U
122-66-7	1,2-Diphenylhydrazine	0.10	ug/L	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	0.15	ug/L	0.11	0.50	0.50	J
206-44-0	Fluoranthene	0.20	ug/L	0.063	0.20	0.50	U
86-73-7	Fluorene	0.10	ug/L	0.041	0.10	0.50	U
118-74-1	Hexachlorobenzene	0.20	ug/L	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	0.10	ug/L	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	0.10	ug/L	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.25	ug/L	0.080	0.25	0.50	U
78-59-1	Isophorone	0.10	ug/L	0.045	0.10	0.50	U
91-57-6	2-Methylnaphthalene	0.050	ug/L	0.015	0.050	0.50	U
108-39-4	3+4-Methylphenol	0.20	ug/L	0.057	0.20	5.0	U
95-48-7	2-Methylphenol	0.20	ug/L	0.048	0.20	0.50	U
91-20-3	Naphthalene	0.10	ug/L	0.031	0.10	0.50	U
100-01-6	4-Nitroaniline	1.0	ug/L	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	0.50	ug/L	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	0.50	ug/L	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	0.20	ug/L	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	0.20	ug/L	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	5.0	ug/L	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	0.10	ug/L	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	0.20	ug/L	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	0.20	ug/L	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	0.50	ug/L	0.13	0.50	0.50	U
85-01-8	Phenanthrene	0.10	ug/L	0.043	0.10	0.50	U
108-95-2	Phenol	0.10	ug/L	0.034	0.10	0.50	U
129-00-0	Pyrene	0.20	ug/L	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.10	ug/L	0.027	0.10	0.50	U
95-95-4	2,4,5-Trichlorophenol	0.25	ug/L	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	0.25	ug/L	0.085	0.25	0.50	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
2-Fluorophenol	20.0	11.5	57	19 - 119	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410565-BLK1
File ID: 1410565-blk1.D
Prepared: 10/02/14 07:47
Analyzed: 10/08/14 09:20
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 1000 mL / 1 mL
QC Batch: 1410565
Sequence: 4J09008
Calibration: 4J06006
Instrument: 339

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Phenol-d6	20.0	7.72	39	18 - 45	
Nitrobenzene-d5	10.0	8.69	87	44 - 120	
2-Fluorobiphenyl	10.0	8.94	89	44 - 119	
2,4,6-Tribromophenol	20.0	17.9	90	43 - 140	
o-Terphenyl	10.0	9.80	98	42 - 125	

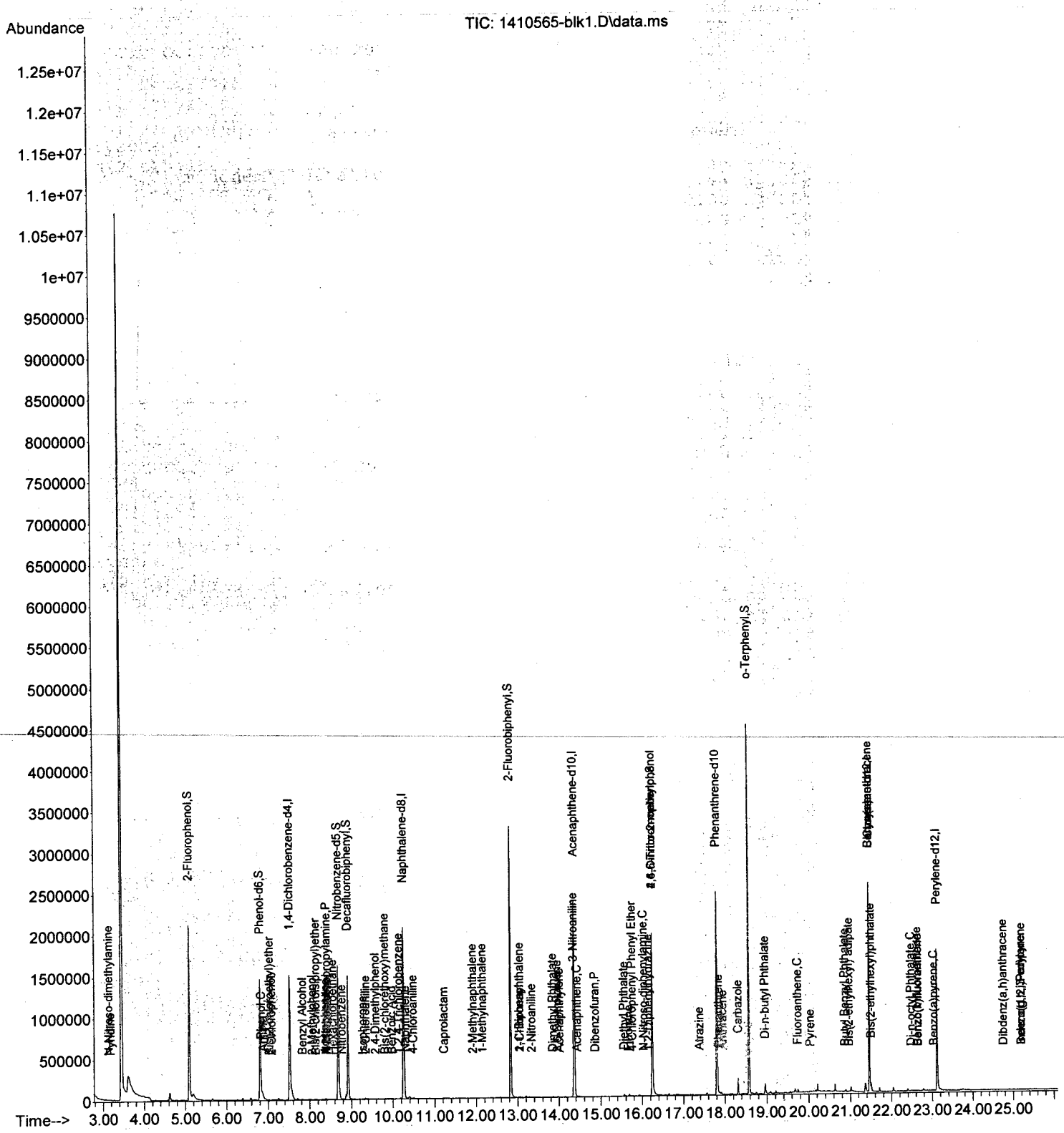
Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	477981	7.52	403279	7.614	
Naphthalene-d8	1830973	10.26	1529030	10.359	
Acenaphthene-d10	1020448	14.369	866604	14.474	
Phenanthrene-d10	1471909	17.808	1400442	17.901	
Chrysene-d12	1107680	21.468	1153654	21.538	
Perylene-d12	978821	23.118	991596	23.211	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410565-blk1.D
Acq On : 8 Oct 2014 9:20
Operator : JLB
Sample : 1410565-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 08:05:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration

TIC: 1410565-blk1.D\data.ms



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410565-blk1.D
Acq On : 8 Oct 2014 9:20
Operator : JLB
Sample : 1410565-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 08:05:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.520	152	477981	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.260	136	1830973	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.369	164	1020448	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.808	188	1471909	5.00	ng/uL	0.00
81) Chrysene-d12	21.468	240	1107680	5.00	ng/uL	# 0.00
89) Perylene-d12	23.118	264	978821	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.096	112	1253965	11.48	ng/uL	-0.01
6) Phenol-d6	6.809	99	1090966	7.72	ng/uL	-0.02
21) Nitrobenzene-d5	8.686	82	1016981	8.69	ng/uL	-0.01
23) Decafluorobiphenyl	8.913	334	657952	8.02	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.836	172	1885374	8.94	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.252	330	400620	17.94	ng/uL	0.00
78) o-Terphenyl	18.577	230	1237012	9.80	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.137	74	807	0.01	ng/uL#	1
3) Pyridine	3.184	79	2225	0.02	ng/uL	95
5) Aniline	6.885	93	2806	0.25	ng/uL#	1
7) Phenol	6.833	94	3840	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.037	93	221	0.00	ng/uL#	21
9) 2-Chlorophenol	7.083	128	207	0.00	ng/uL#	4
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.144	45	205	0.00	ng/uL#	51
14) Benzyl Alcohol	7.829	108	1264	0.02	ng/uL	78
15) 2-Methylphenol	8.063	108	282	0.00	ng/uL#	53
16) Acetophenone	8.377	105	6191	0.04	ng/uL	88
17) Hexachloroethane	8.552	119	53	0.00	ng/uL#	3
18) 4-Methylphenol	8.401	108	156	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.406	70	2378	0.03	ng/uL#	44
22) Nitrobenzene	8.768	77	113	0.00	ng/uL#	30
24) Isophorone	9.269	82	1746	0.01	ng/uL#	66
25) 2-Chloroaniline	9.345	127	149	0.00	ng/uL#	1
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.578	107	65	0.00	ng/uL#	5
28) Bis(2-chlorethoxy)methane	9.805	93	273	0.00	ng/uL	91
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.974	105	127	~~2.46~~	ng/uL#	11
31) 1,2,4-Trichlorobenzene	10.143	180	54	0.00	ng/uL#	1
32) Naphthalene	10.301	128	1209	0.00	ng/uL#	1
33) 4-Chloroaniline	10.476	127	1885	0.02	ng/uL#	53
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.227	55	5027	0.10	ng/uL#	45
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 2-Methylnaphthalene	11.921	142	448	0.00	ng/uL#	73
40) 1-Methylnaphthalene	12.148	142	237	0.00	ng/uL#	67
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410565-blk1.D
Acq On : 8 Oct 2014 9:20
Operator : JLB
Sample : 1410565-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 08:05:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
44) Hexachlorocyclopentadiene	0.000		0	N.D.		
45) 2,4,6-Trichlorophenol	0.000		0	N.D.		
46) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Chloronaphthalene	13.052	162	218	0.00	ng/uL#	81
49) 1,1'-Biphenyl	13.046	154	6084	0.02	ng/uL	95
50) 2-Nitroaniline	13.337	138	426	0.01	ng/uL#	1
51) Acenaphthylene	14.014	152	605	0.00	ng/uL#	55
52) 2,6-Dinitrotoluene	13.961	165	334	0.01	ng/uL#	31
53) Dimethyl Phthalate	13.850	163	4345	0.02	ng/uL	93
54) 3-Nitroaniline	14.352	138	506	0.01	ng/uL#	1
55) Acenaphthene	14.433	153	280	0.00	ng/uL	91
56) 2,4-Dinitrophenol	0.000		0	N.D.		
57) Dibenzofuran	14.859	168	441	0.00	ng/uL#	62
58) 4-Nitrophenol	0.000		0	N.D.		
59) 2,4-Dinitrotoluene	0.000		0	N.D.		
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
62) Fluorene	15.669	166	328	0.00	ng/uL#	13
63) Diethyl Phthalate	15.558	149	6512	0.03	ng/uL	98
64) 4-Chlorophenyl Phenyl ...	15.756	204	52	0.00	ng/uL#	1
65) 4-Nitroaniline	0.000		0	N.D.		
67) 4,6-Dinitro-2-methylph...	16.252	198	1192	~~1.02~~	ng/uL#	1
68) N-Nitroso-diphenylamine	16.036	169	2490	0.02	ng/uL	95
69) 1,2-Diphenylhydrazine	16.153	182	607	0.01	ng/uL	96
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.		
72) Hexachlorobenzene	0.000		0	N.D.		
73) Atrazine	17.383	200	757	0.02	ng/uL	99
74) Pentachlorophenol	0.000		0	N.D.		
75) Phenanthrene	17.849	178	1932	0.01	ng/uL#	83
76) Anthracene	17.948	178	651	0.00	ng/uL#	78
77) Carbazole	18.315	167	4153	0.02	ng/uL#	60
79) Di-n-butyl Phthalate	18.962	149	62006	0.22	ng/uL	99
80) Fluoroanthene	19.743	202	838	0.00	ng/uL#	62
82) Pyrene	20.040	202	791	0.00	ng/uL#	84
83) Butyl Benzyl Phthalate	20.874	149	3432	0.03	ng/uL	92
84) Bis(2-ethylhexyl) adipate	20.973	129	1367	0.08	ng/uL#	100
85) Benzo(a)anthracene	21.463	228	3814	0.02	ng/uL#	1
86) Chrysene	21.463	228	3814	0.02	ng/uL	98
87) Bis(2-ethylhexyl)phtha...	21.503	149	20260	0.15	ng/uL	89
88) Di-n-octyl Phthalate	22.483	149	22321	ppm ~~0.43~~	ng/uL#	76
90) Benzo(b)fluoroanthene	22.640	252	750	0.00	ng/uL#	54
91) Benzo(k)fluoranthene	22.657	252	589	0.00	ng/uL#	58
92) Benzo(a)pyrene	23.042	252	339	0.00	ng/uL#	73
93) Indeno(1,2,3-cd)pyrene	25.193	276	1291	0.01	ng/uL#	82
94) Dibdenz(a,h)anthracene	24.756	278	541	0.00	ng/uL#	50
95) Benzo(g,h,i)Perylene	25.193	276	1291	0.01	ng/uL#	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410565-blk1.D
Acq On : 8 Oct 2014 9:20
Operator : JLB
Sample : 1410565-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 13:54:27 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 13:53:10 2014
Response via : Initial Calibration

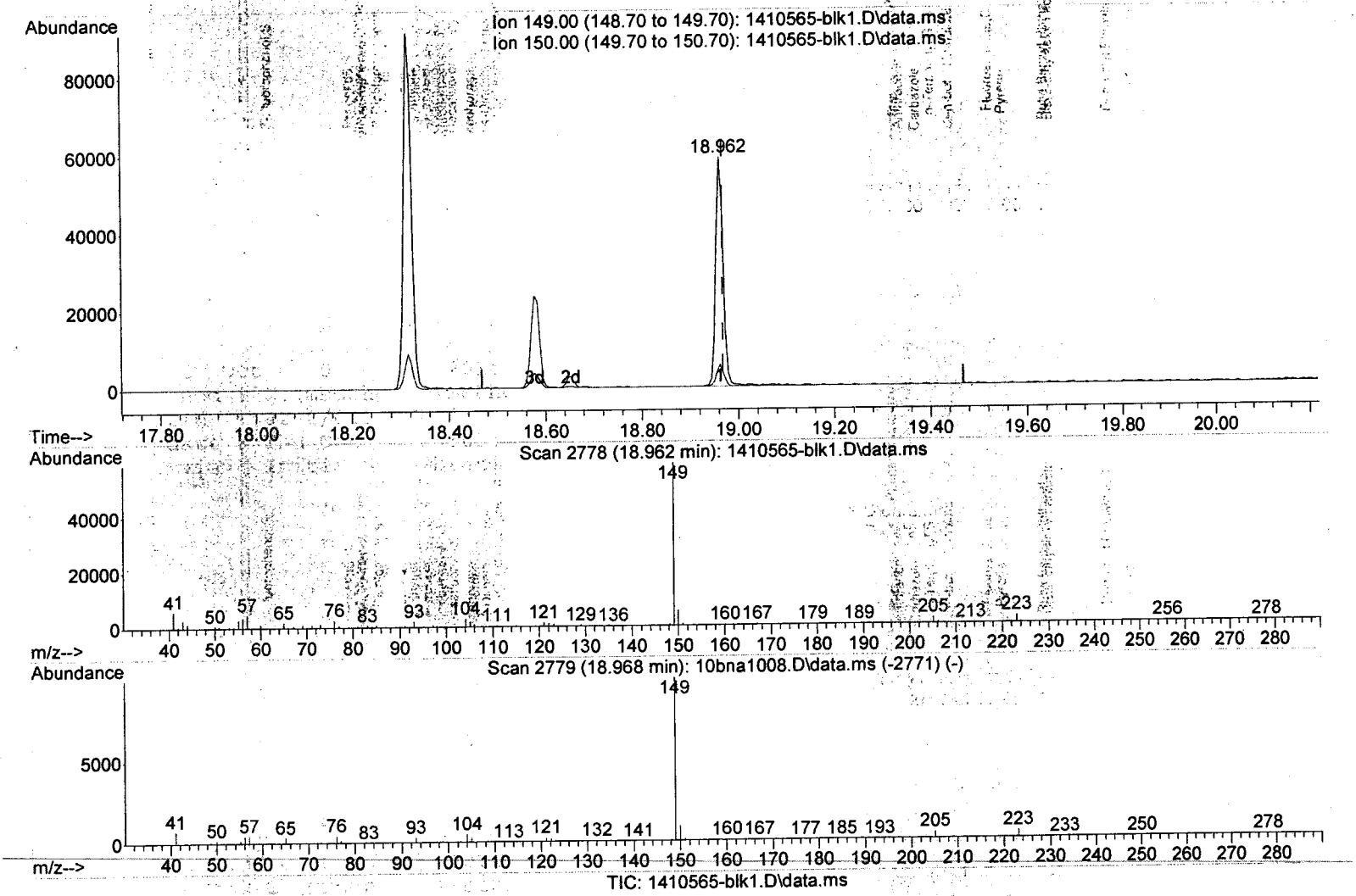
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.520	152	470204	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.260	136	1830973	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.369	164	1014445	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.808	188	1471909	5.00	ng/uL		0.00
19) Chrysene-d12	21.468	240	1107680	5.00	ng/uL	#	0.00
22) Perylene-d12	23.118	264	978821	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.137	74	807	0.01	ng/uL	#	10
3) Pyridine	3.184	79	2225	0.02	ng/uL		95
4) Aniline	6.885	93	2806	0.01	ng/uL	#	1
5) Benzaldehyde	6.681	105	3616	0.04	ng/uL	#	1
6) Acetophenone	8.377	105	6191	0.03	ng/uL		88
7) N-Nitroso-di-n-propyla...	8.406	70	2378	0.03	ng/uL	#	44
9) 4-Chloroaniline	10.476	127	1885	0.02	ng/uL	#	53
10) Caprolactam	11.227	55	1635	0.12	ng/uL	#	61
12) 1,1'-Biphenyl	13.046	154	6084	0.02	ng/uL		95
13) 2-Nitroaniline	13.337	138	426	0.02	ng/uL	#	1
14) 3-Nitroaniline	14.352	138	506	Below Cal		#	1
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.036	169	2490	0.01	ng/uL		95
18) Atrazine	17.383	200	757	Below Cal		#	99
20) Benzidine	19.970	184	1081	0.42	ng/uL	#	82
21) 3,3'-Dichlorobenzidine	21.439	252	870	0.01	ng/uL		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410565-blk1.D
Acq On : 8 Oct 2014 9:20
Operator : JLB
Sample : 1410565-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 08:05:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



TIC: 1410565-blk1.D\data.ms

(79) Di-n-butyl Phthalate

18.962min (-0.006) 0.22 ng/uL

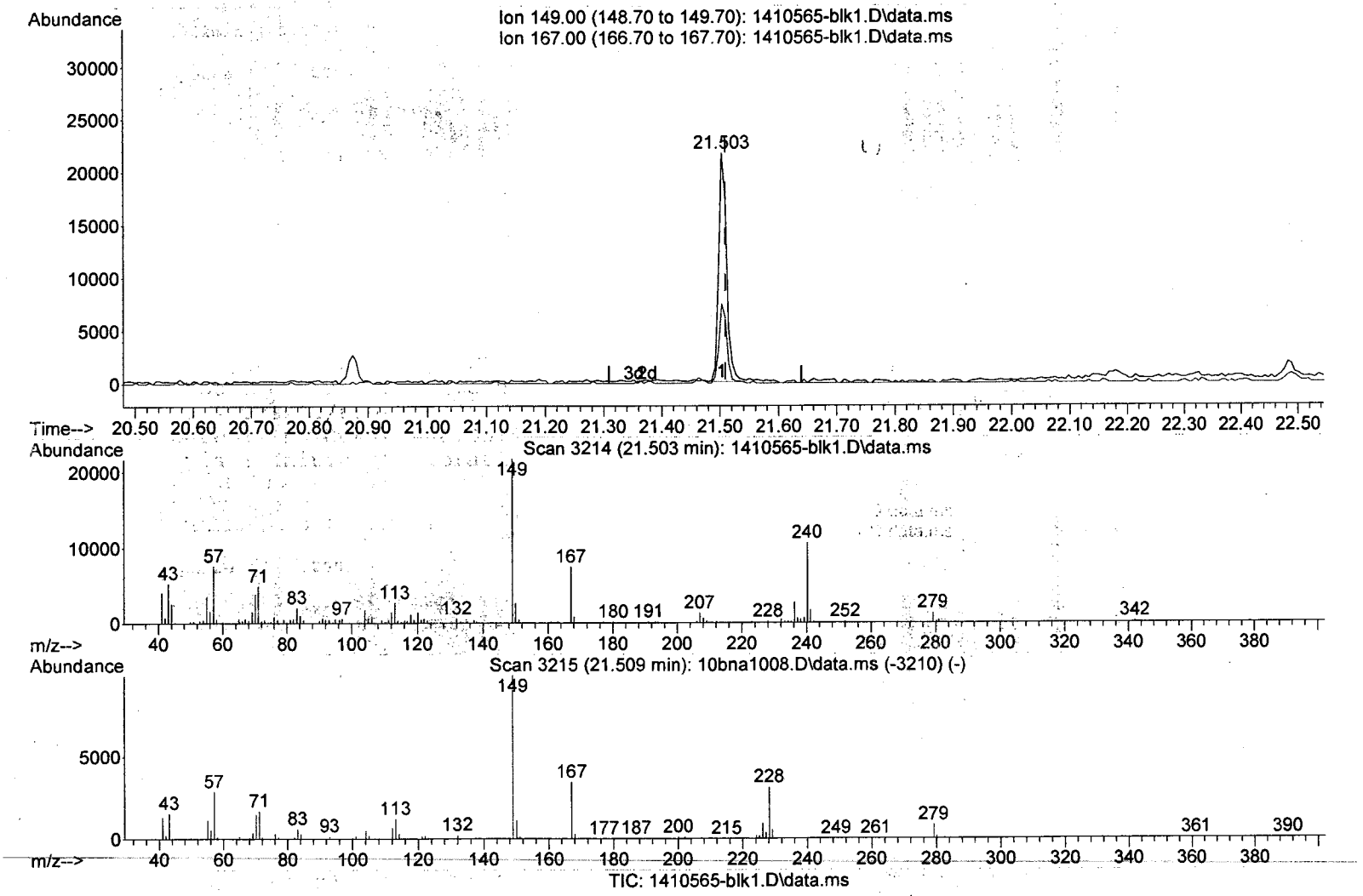
response 62006

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	8.90	9.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410565-blk1.D
Acq On : 8 Oct 2014 9:20
Operator : JLB
Sample : 1410565-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 08:05:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



(87) Bis(2-ethylhexyl)phthalate

21.503min (-0.006) 0.15 ng/uL

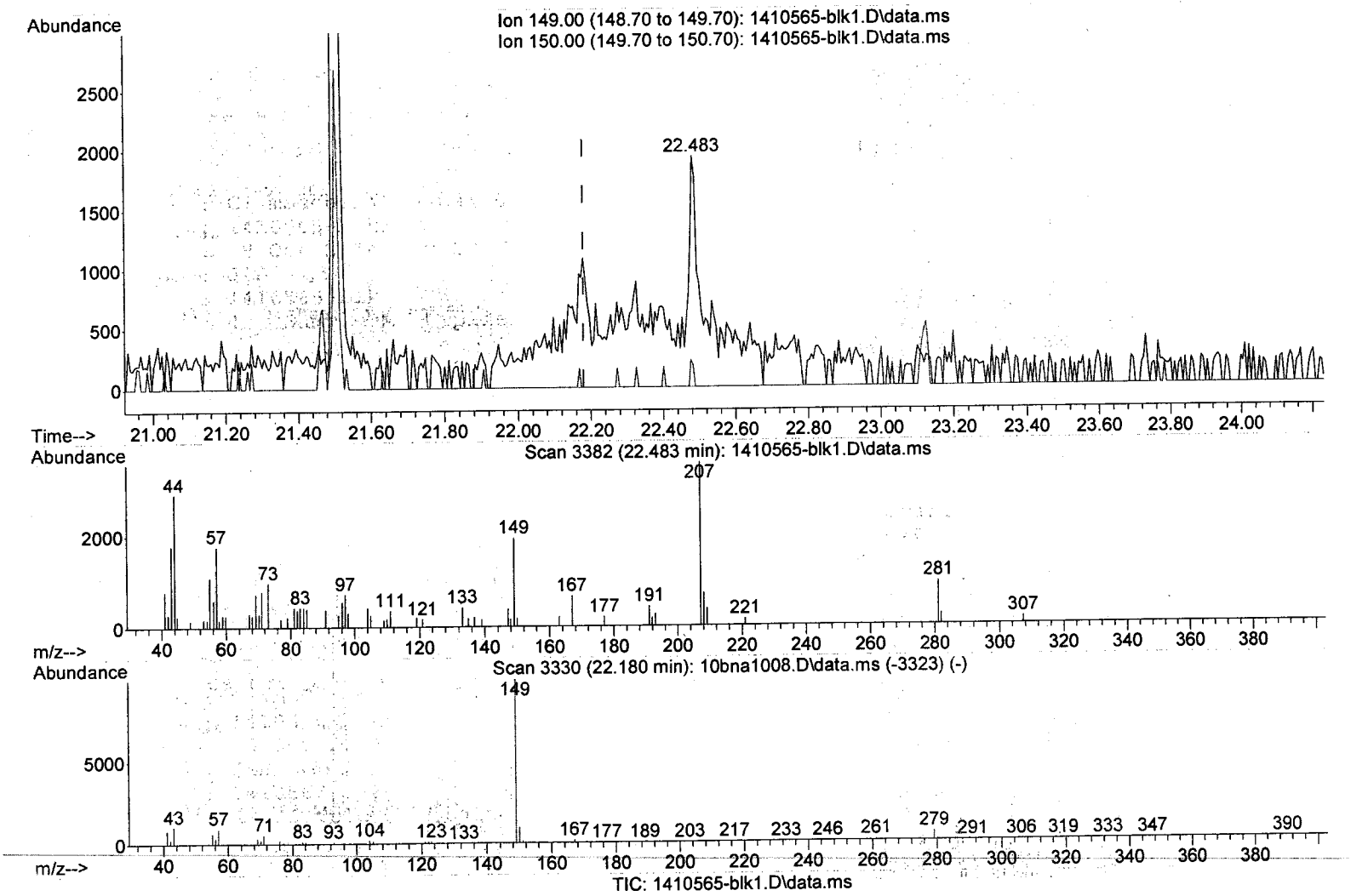
response 20260

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	34.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410565-blk1.D
Acq On : 8 Oct 2014 9:20
Operator : JLB
Sample : 1410565-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 08:05:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



(88) Di-n-octyl Phthalate (C)

22.483min (+ 0.303) 0.43 ng/uL

response 22321

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	0.63#
0.00	0.00	0.00
0.00	0.00	0.00

ppm

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410842-BLK1 File ID: 1410842-blk1.D

Prepared: 10/07/14 12:17 Analyzed: 10/21/14 14:26

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1410842 Sequence: 4J22008 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	0.10	ug/L	0.033	0.10	0.50	U
208-96-8	Acenaphthylene	0.050	ug/L	0.017	0.050	0.50	U
120-12-7	Anthracene	0.20	ug/L	0.062	0.20	0.50	U
56-55-3	Benzo(a)anthracene	0.050	ug/L	0.045	0.10	0.50	J
50-32-8	Benzo(a)pyrene	0.050	ug/L	0.040	0.10	0.50	J
205-99-2	Benzo(b)fluoranthene	0.20	ug/L	0.058	0.20	0.50	U
207-08-9	Benzo(k)fluoranthene	0.060	ug/L	0.060	0.20	0.50	J
191-24-2	Benzo(g,h,i)perylene	0.20	ug/L	0.061	0.20	0.50	U
65-85-0	Benzoic Acid	2.5	ug/L	0.48	2.0	5.0	J
100-51-6	Benzyl Alcohol	0.10	ug/L	0.049	0.10	0.50	U
101-55-3	4-Bromophenyl Phenyl Ether	0.10	ug/L	0.043	0.10	0.50	U
85-68-7	Butyl Benzyl Phthalate	0.20	ug/L	0.056	0.20	1.0	U
86-74-8	Carbazole	0.20	ug/L	0.070	0.20	0.50	U
59-50-7	4-Chloro-3-methylphenol	0.25	ug/L	0.12	0.25	0.50	U
106-47-8	4-Chloroaniline	0.25	ug/L	0.10	0.25	1.0	U
111-91-1	Bis(2-chloroethoxy)methane	0.050	ug/L	0.018	0.050	0.50	U
111-44-4	Bis(2-chloroethyl) Ether	0.050	ug/L	0.024	0.050	0.50	U
108-60-1	Bis(2-chloroisopropyl) Ether	0.10	ug/L	0.026	0.10	0.50	U
91-58-7	2-Chloronaphthalene	0.050	ug/L	0.017	0.050	0.50	U
95-57-8	2-Chlorophenol	0.10	ug/L	0.027	0.10	0.50	U
7005-72-3	4-Chlorophenyl Phenyl Ether	0.10	ug/L	0.048	0.10	0.50	U
218-01-9	Chrysene	0.10	ug/L	0.045	0.10	0.50	U
53-70-3	Dibenz(a,h)anthracene	0.25	ug/L	0.11	0.25	0.50	U
132-64-9	Dibenzofuran	0.10	ug/L	0.041	0.10	0.50	U
84-74-2	Di-n-butyl Phthalate	1.0	ug/L	0.14	1.0	1.0	U
106-46-7	1,4-Dichlorobenzene	0.050	ug/L	0.020	0.050	0.50	U
95-50-1	1,2-Dichlorobenzene	0.10	ug/L	0.040	0.10	0.50	U
541-73-1	1,3-Dichlorobenzene	0.10	ug/L	0.041	0.10	0.50	U
91-94-1	3,3′-Dichlorobenzidine	0.50	ug/L	0.12	0.50	1.0	U
120-83-2	2,4-Dichlorophenol	0.20	ug/L	0.092	0.20	0.50	U
84-66-2	Diethyl Phthalate	0.25	ug/L	0.065	0.25	0.50	U
105-67-9	2,4-Dimethylphenol	0.50	ug/L	0.17	0.50	1.0	U
131-11-3	Dimethyl Phthalate	0.10	ug/L	0.046	0.10	0.50	U
534-52-1	4,6-Dinitro-2-methylphenol	4.0	ug/L	1.0	4.0	5.0	U
51-28-5	2,4-Dinitrophenol	5.0	ug/L	1.2	5.0	5.0	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Water Laboratory ID: 1410842-BLK1 File ID: 1410842-blk1.D

Prepared: 10/07/14 12:17 Analyzed: 10/21/14 14:26

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1410842 Sequence: 4J22008 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	0.20	ug/L	0.080	0.20	0.50	U
121-14-2	2,4-Dinitrotoluene	0.10	ug/L	0.048	0.10	0.50	U
117-84-0	Di-n-octyl Phthalate	0.38	ug/L	0.077	0.20	0.50	J
122-66-7	1,2-Diphenylhydrazine	0.10	ug/L	0.080	0.10	0.50	U
117-81-7	Bis(2-ethylhexyl) Phthalate	0.15	ug/L	0.11	0.50	0.50	J
206-44-0	Fluoranthene	0.20	ug/L	0.063	0.20	0.50	U
86-73-7	Fluorene	0.10	ug/L	0.041	0.10	0.50	U
118-74-1	Hexachlorobenzene	0.20	ug/L	0.063	0.20	0.50	U
87-68-3	Hexachlorobutadiene	0.10	ug/L	0.040	0.10	0.50	U
67-72-1	Hexachloroethane	0.10	ug/L	0.042	0.10	0.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.25	ug/L	0.080	0.25	0.50	U
78-59-1	Isophorone	0.10	ug/L	0.045	0.10	0.50	U
91-57-6	2-Methylnaphthalene	0.050	ug/L	0.015	0.050	0.50	U
108-39-4	3+4-Methylphenol	0.20	ug/L	0.057	0.20	5.0	U
95-48-7	2-Methylphenol	0.20	ug/L	0.048	0.20	0.50	U
91-20-3	Naphthalene	0.10	ug/L	0.031	0.10	0.50	U
100-01-6	4-Nitroaniline	1.0	ug/L	0.33	1.0	1.0	U
88-74-4	2-Nitroaniline	0.50	ug/L	0.12	0.50	0.50	U
99-09-2	3-Nitroaniline	0.50	ug/L	0.24	0.50	1.0	U
98-95-3	Nitrobenzene	0.20	ug/L	0.058	0.20	0.50	U
88-75-5	2-Nitrophenol	0.20	ug/L	0.048	0.20	0.50	U
100-02-7	4-Nitrophenol	5.0	ug/L	1.2	5.0	5.0	U
62-75-9	N-Nitroso-dimethylamine	0.10	ug/L	0.046	0.10	0.50	U
86-30-6	N-Nitroso-diphenylamine	0.20	ug/L	0.068	0.20	0.50	U
621-64-7	N-Nitroso-di-n-propylamine	0.20	ug/L	0.075	0.20	0.50	U
87-86-5	Pentachlorophenol	0.50	ug/L	0.13	0.50	0.50	U
85-01-8	Phenanthrene	0.10	ug/L	0.043	0.10	0.50	U
108-95-2	Phenol	0.060	ug/L	0.034	0.10	0.50	J
129-00-0	Pyrene	0.20	ug/L	0.066	0.20	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.10	ug/L	0.027	0.10	0.50	U
95-95-4	2,4,5-Trichlorophenol	0.25	ug/L	0.099	0.25	0.50	U
88-06-2	2,4,6-Trichlorophenol	0.25	ug/L	0.085	0.25	0.50	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
2-Fluorophenol	20.0	12.3	61	19 - 119	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Water
Laboratory ID: 1410842-BLK1
File ID: 1410842-blk1.D
Prepared: 10/07/14 12:17
Analyzed: 10/21/14 14:26
Preparation: 3510C Liquid-Liquid Ext
Initial/Final: 1000 mL / 1 mL
QC Batch: 1410842
Sequence: 4J22008
Calibration: 4J06006
Instrument: 339

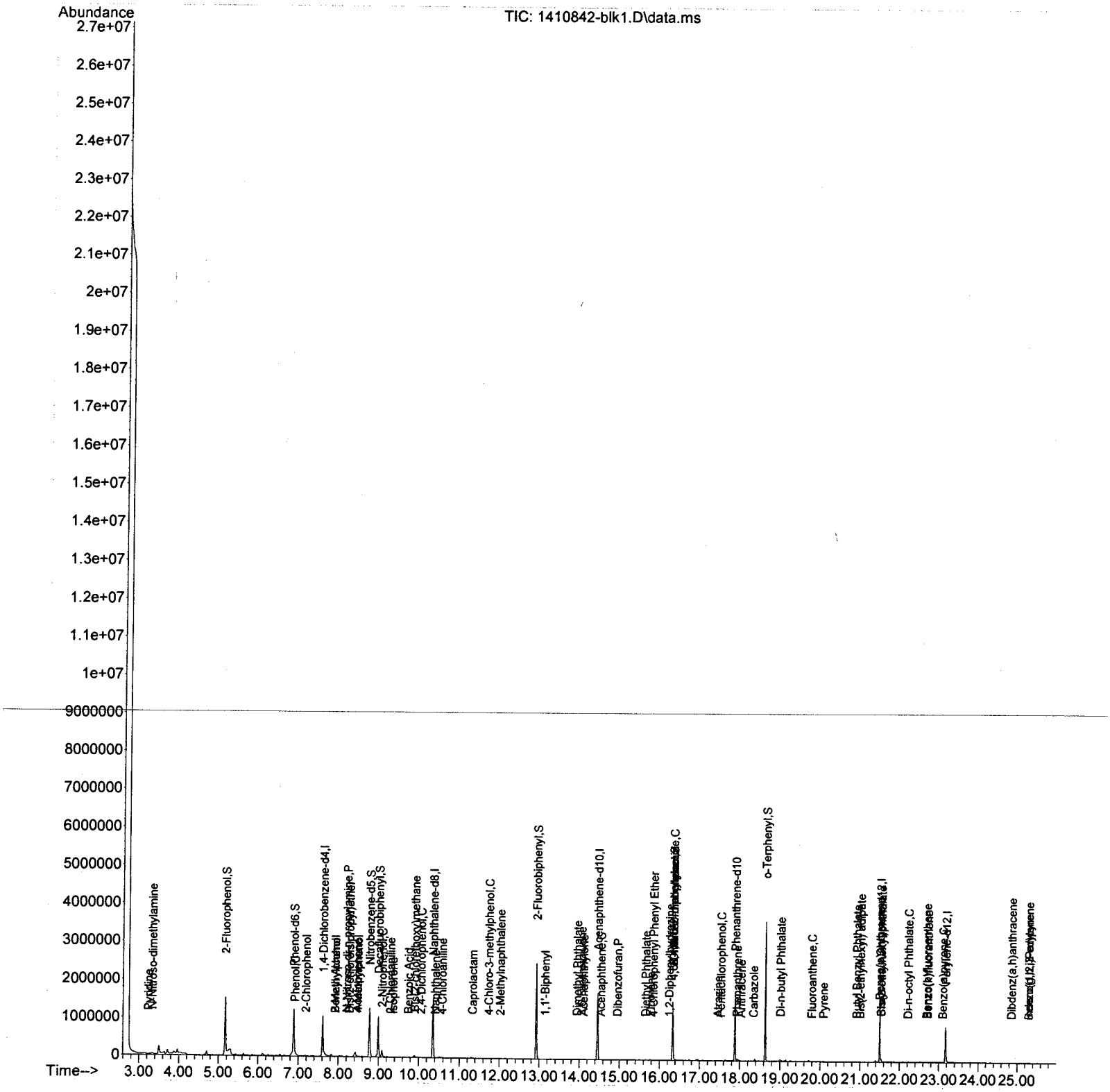
System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Phenol-d6	20.0	8.17	41	18 - 45	
Nitrobenzene-d5	10.0	10.0	100	44 - 120	
2-Fluorobiphenyl	10.0	9.65	96	44 - 119	
2,4,6-Tribromophenol	20.0	17.2	86	43 - 140	
o-Terphenyl	10.0	10.7	107	42 - 125	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	327767	7.611	403279	7.614	
Naphthalene-d8	1258968	10.35	1529030	10.359	
Acenaphthene-d10	668869	14.46	866604	14.474	
Phenanthrene-d10	942848	17.881	1400442	17.901	
Chrysene-d12	644316	21.501	1153654	21.538	
Perylene-d12	515233	23.173	991596	23.211	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-blk1.D
Acq On : 21 Oct 2014 14:26
Operator : JLB
Sample : 1410842-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 07:59:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



1004 100414bna.M Wed Oct 22 07:59:48 2014 339

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-blk1.D
Acq On : 21 Oct 2014 14:26
Operator : JLB
Sample : 1410842-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 07:59:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	327767	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.350	136	1258968	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.460	164	668869	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.881	188	942848	5.00	ng/uL	0.00
81) Chrysene-d12	21.501	240	644316	5.00	ng/uL	# 0.00
89) Perylene-d12	23.173	264	515233	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.175	112	920350	12.29	ng/uL	-0.01
6) Phenol-d6	6.888	99	791862	8.17	ng/uL	-0.03
21) Nitrobenzene-d5	8.777	82	805505	10.01	ng/uL	-0.01
23) Decafluorobiphenyl	8.998	334	434816	7.71	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.927	172	1333542	9.65	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.342	330	246151	17.21	ng/uL	-0.01
78) o-Terphenyl	18.639	230	863873	10.69	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.333	74	874	0.02	ng/uL	96
3) Pyridine	3.228	79	153	0.00	ng/uL#	72
5) Aniline	0.000		0	N.D.		
7) Phenol	6.912	94	6111	0.06	ng/uL#	1
8) Bis(2-chloroethyl)ether	0.000		0	N.D.		
9) 2-Chlorophenol	7.186	128	218	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Bis(2-chloroisipropyl)...	8.270	45	119	0.00	ng/uL#	51
14) Benzyl Alcohol	7.914	108	1221	0.02	ng/uL#	65
15) 2-Methylphenol	7.914	108	1221	0.02	ng/uL#	60
16) Acetophenone	8.468	105	12790	0.11	ng/uL	95
17) Hexachloroethane	0.000		0	N.D.		
18) 4-Methylphenol	8.485	108	59	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.206	70	2291	0.04	ng/uL	89
22) Nitrobenzene	8.777	77	3105	0.04	ng/uL#	1
24) Isophorone	9.360	82	903	0.01	ng/uL#	58
25) 2-Chloroaniline	9.290	127	704	0.01	ng/uL#	53
26) 2-Nitrophenol	9.091	139	1208	0.03	ng/uL#	41
27) 2,4-Dimethylphenol	0.000		0	N.D.		
28) Bis(2-chlorethoxy)methane	9.902	93	56	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	10.053	162	136	0.00	ng/uL#	1
30) Benzoic Acid	9.744	105	5628	2.54	ng/uL	96
31) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
32) Naphthalene	10.403	128	469	0.00	ng/uL#	1
33) 4-Chloroaniline	10.572	127	222	0.00	ng/uL#	27
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.336	55	9075	0.25	ng/uL#	48
37) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
38) 4-Chloro-3-methylphenol	11.732	107	124	0.00	ng/uL#	14
39) 2-Methylnaphthalene	12.017	142	205	0.00	ng/uL#	62
40) 1-Methylnaphthalene	0.000		0	N.D.		
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-blk1.D
Acq On : 21 Oct 2014 14:26
Operator : JLB
Sample : 1410842-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 07:59:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	0.000		0	N.D.	
49) 1,1'-Biphenyl	13.142	154	754	0.00 ng/uL#	40
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.104	152	281	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.057	165	55	0.00 ng/uL#	1
53) Dimethyl Phthalate	13.941	163	4477	0.03 ng/uL	96
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.535	153	230	0.00 ng/uL#	72
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.949	168	288	0.00 ng/uL#	83
58) 4-Nitrophenol	0.000		0	N.D.	
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
62) Fluorene	15.771	166	387	0.00 ng/uL#	1
63) Diethyl Phthalate	15.649	149	2966	0.02 ng/uL	98
64) 4-Chlorophenyl Phenyl ...	15.841	204	64	0.00 ng/uL#	17
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	16.348	198	585	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.342	169	10405	~~0.10~~ ng/uL#	40
69) 1,2-Diphenylhydrazine	16.243	182	660	0.02 ng/uL	84
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.450	200	56	0.00 ng/uL#	25
74) Pentachlorophenol	17.526	266	974	0.05 ng/uL#	68
75) Phenanthrene	17.928	178	1591	0.01 ng/uL#	85
76) Anthracene	18.027	178	639	0.00 ng/uL#	78
77) Carbazole	18.342	167	1073	0.01 ng/uL#	60
79) Di-n-butyl Phthalate	19.012	149	15292	0.08 ng/uL#	94
80) Fluoroanthene	19.793	202	868	0.00 ng/uL#	77
82) Pyrene	20.084	202	798	0.01 ng/uL#	60
83) Butyl Benzyl Phthalate	20.912	149	2323	0.04 ng/uL	91
84) Bis(2-ethylhexyl) adipate	21.005	129	856	0.08 ng/uL#	100
85) Benzo(a)anthracene	21.489	228	6045	0.05 ng/uL#	28
86) Chrysene	21.530	228	4676	0.04 ng/uL#	37
87) Bis(2-ethylhexyl)phtha...	21.536	149	11216	0.15 ng/uL	91
88) Di-n-octyl Phthalate	22.212	149	5098	0.38 ng/uL#	92
90) Benzo(b)fluoroanthene	22.684	252	4865	0.05 ng/uL	97
91) Benzo(k)fluoranthene	22.719	252	5969	0.06 ng/uL#	86
92) Benzo(a)pyrene	23.098	252	4355	0.05 ng/uL	96
93) Indeno(1,2,3-cd)pyrene	25.289	276	2777	0.04 ng/uL	98
94) Dibdenz(a,h)anthracene	24.852	278	1949	0.03 ng/uL#	77
95) Benzo(g,h,i)Perylene	25.289	276	2777	0.04 ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-blk1.D
Acq On : 21 Oct 2014 14:26
Operator : JLB
Sample : 1410842-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 07:51:09 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

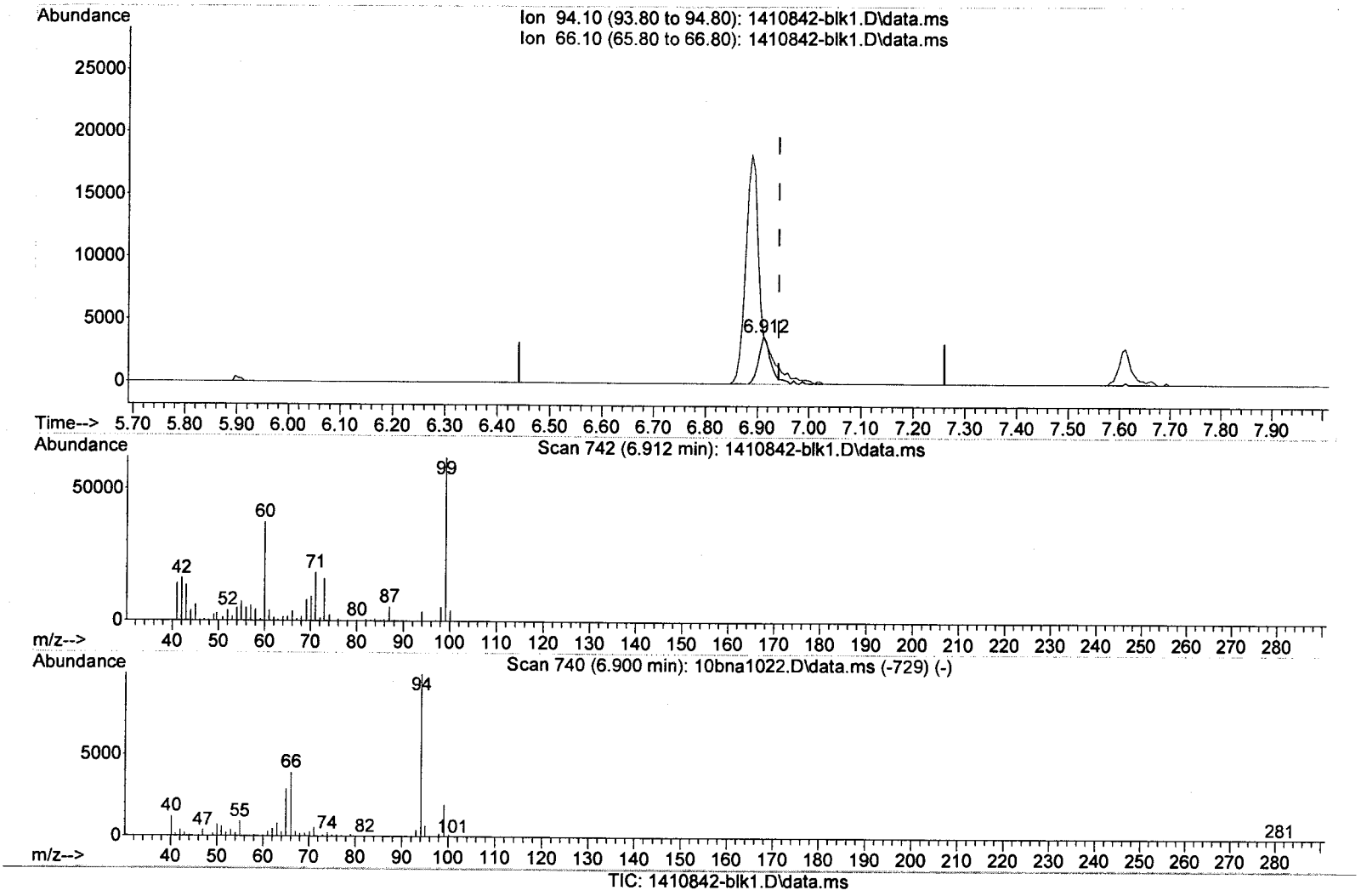
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	323198	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.350	136	1258968	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.460	164	664919	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.881	188	942848	5.00	ng/uL	0.00
19) Chrysene-d12	21.501	240	644316	5.00	ng/uL	# 0.00
22) Perylene-d12	23.173	264	515233	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.333	74	874	0.02	ng/uL	96
3) Pyridine	3.228	79	153	0.00	ng/uL#	72
4) Aniline	0.000		0	N.D.		
5) Benzaldehyde	6.766	105	1060	0.01	ng/uL#	1
6) Acetophenone	8.468	105	12790	0.10	ng/uL	95
7) N-Nitroso-di-n-propyla...	8.206	70	2291	0.04	ng/uL	89
9) 4-Chloroaniline	10.572	127	222	0.01	ng/uL#	27
10) Caprolactam	11.336	55	4217	0.20	ng/uL#	34
12) 1,1'-Biphenyl	13.142	154	754	0.00	ng/uL#	40
13) 2-Nitroaniline	0.000		0	N.D.		
14) 3-Nitroaniline	0.000		0	N.D.		
15) 4-Nitroaniline	0.000		0	N.D.		
17) N-Nitroso-diphenylamine	16.342	169	10405	0.09	ng/uL#	40
18) Atrazine	0.000		0	N.D.		
20) Benzidine	20.009	184	1553	0.43	ng/uL#	71
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-blk1.D
Acq On : 21 Oct 2014 14:26
Operator : JLB
Sample : 1410842-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 07:59:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410842-blk1.D\data.ms

(7) Phenol (C)

6.912min (-0.029) 0.06 ng/uL

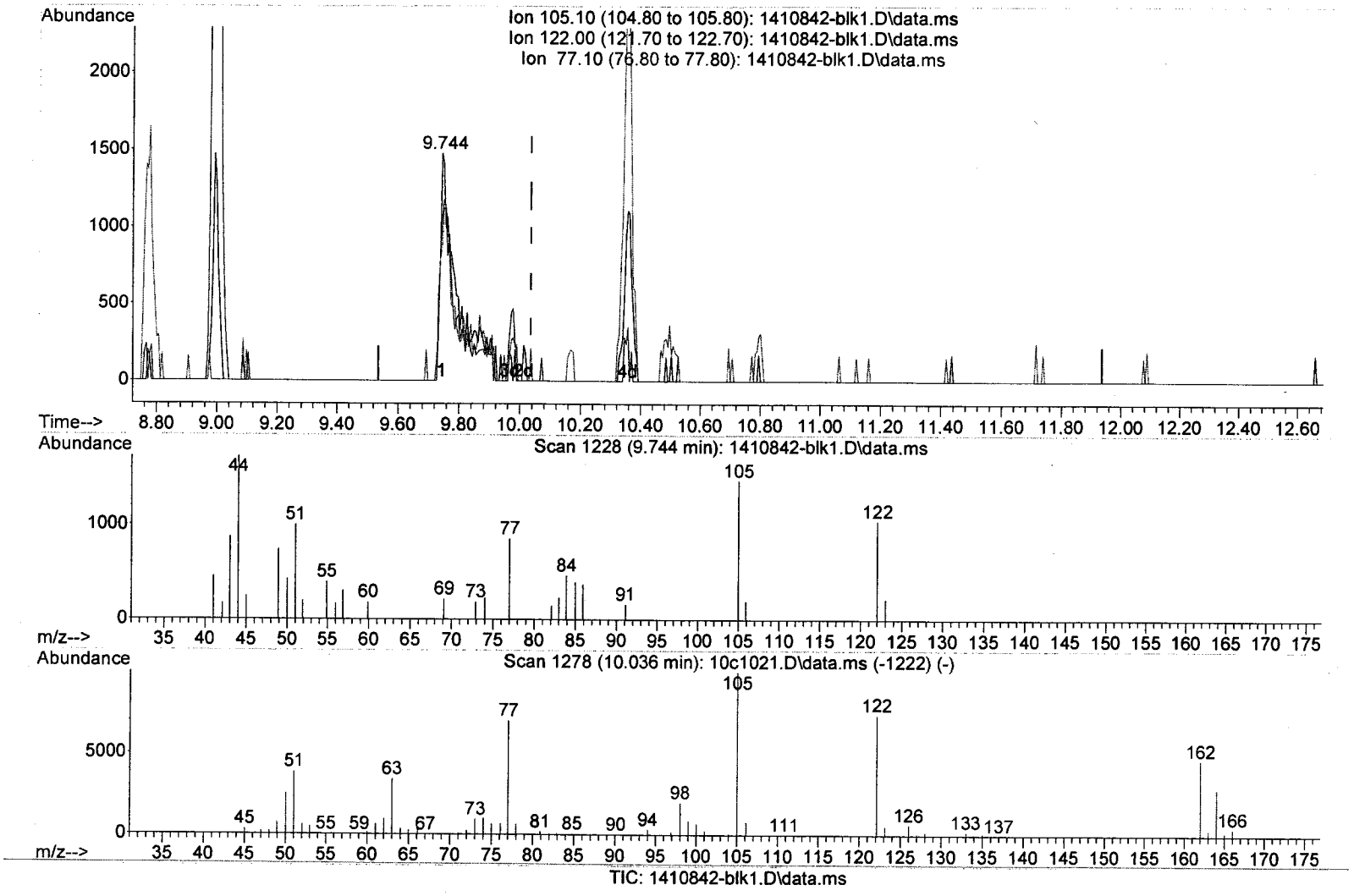
response 6111

Ion	Exp%	Act%
94.10	100.00	100.00
66.10	64.90	611.27#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-blk1.D
Acq On : 21 Oct 2014 14:26
Operator : JLB
Sample : 1410842-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 07:59:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(30) Benzoic Acid

9.744min (-0.292) 2.54 ng/uL

response 5628

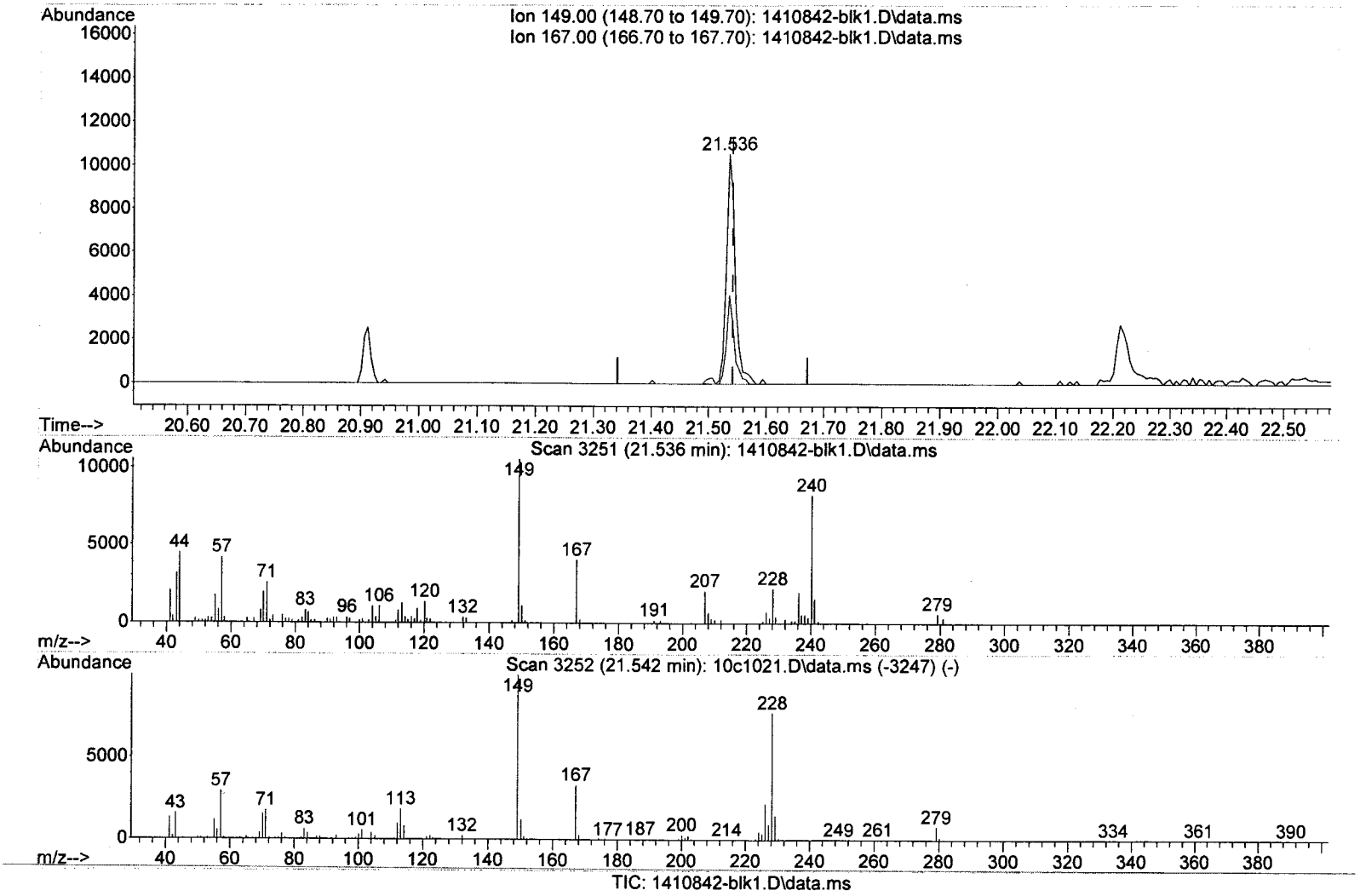
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	80.49
77.10	74.70	68.85
0.00	0.00	0.00

004487

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-blk1.D
Acq On : 21 Oct 2014 14:26
Operator : JLB
Sample : 1410842-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 07:59:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410842-blk1.D\data.ms

(87) Bis(2-ethylhexyl)phthalate

21.536min (-0.006) 0.15 ng/uL

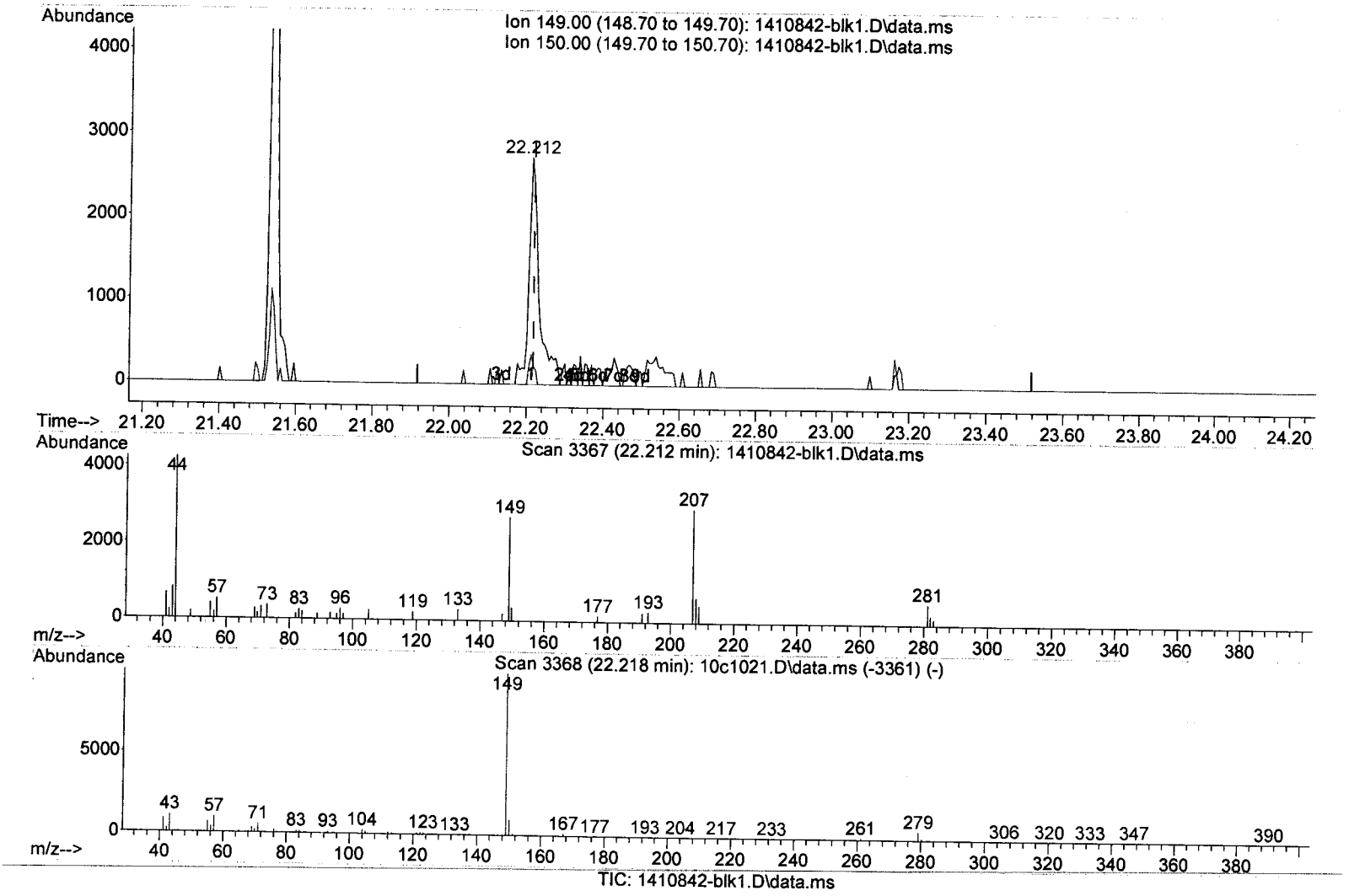
response 11216

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	29.20	33.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-blk1.D
Acq On : 21 Oct 2014 14:26
Operator : JLB
Sample : 1410842-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 07:59:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410842-blk1.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.212min (-0.006) 0.38 ng/uL

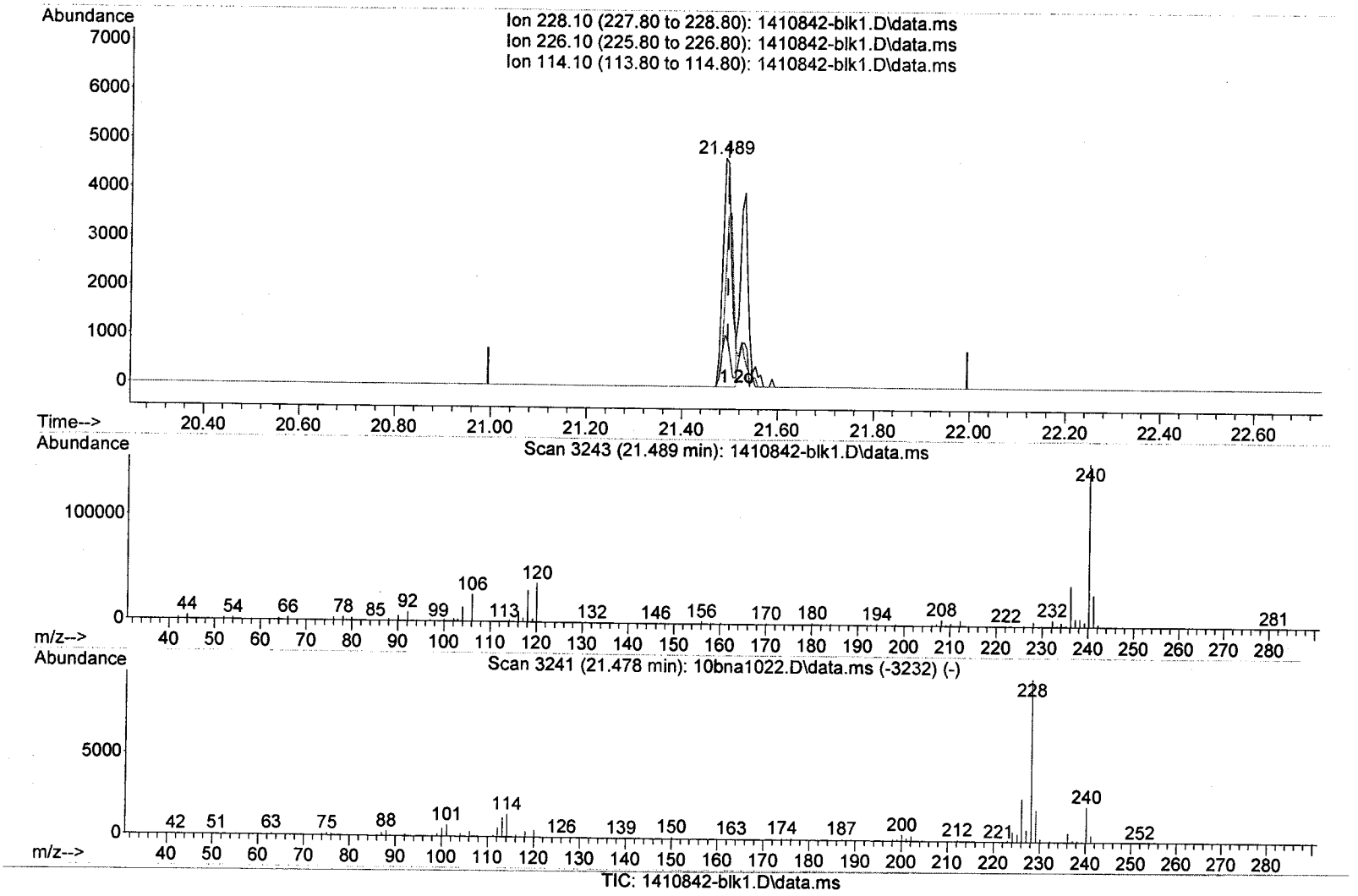
response 5098

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	6.49#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-blk1.D
Acq On : 21 Oct 2014 14:26
Operator : JLB
Sample : 1410842-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 07:59:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410842-blk1.D\data.ms

(85) Benzo(a)anthracene

21.489min (-0.006) 0.05 ng/uL

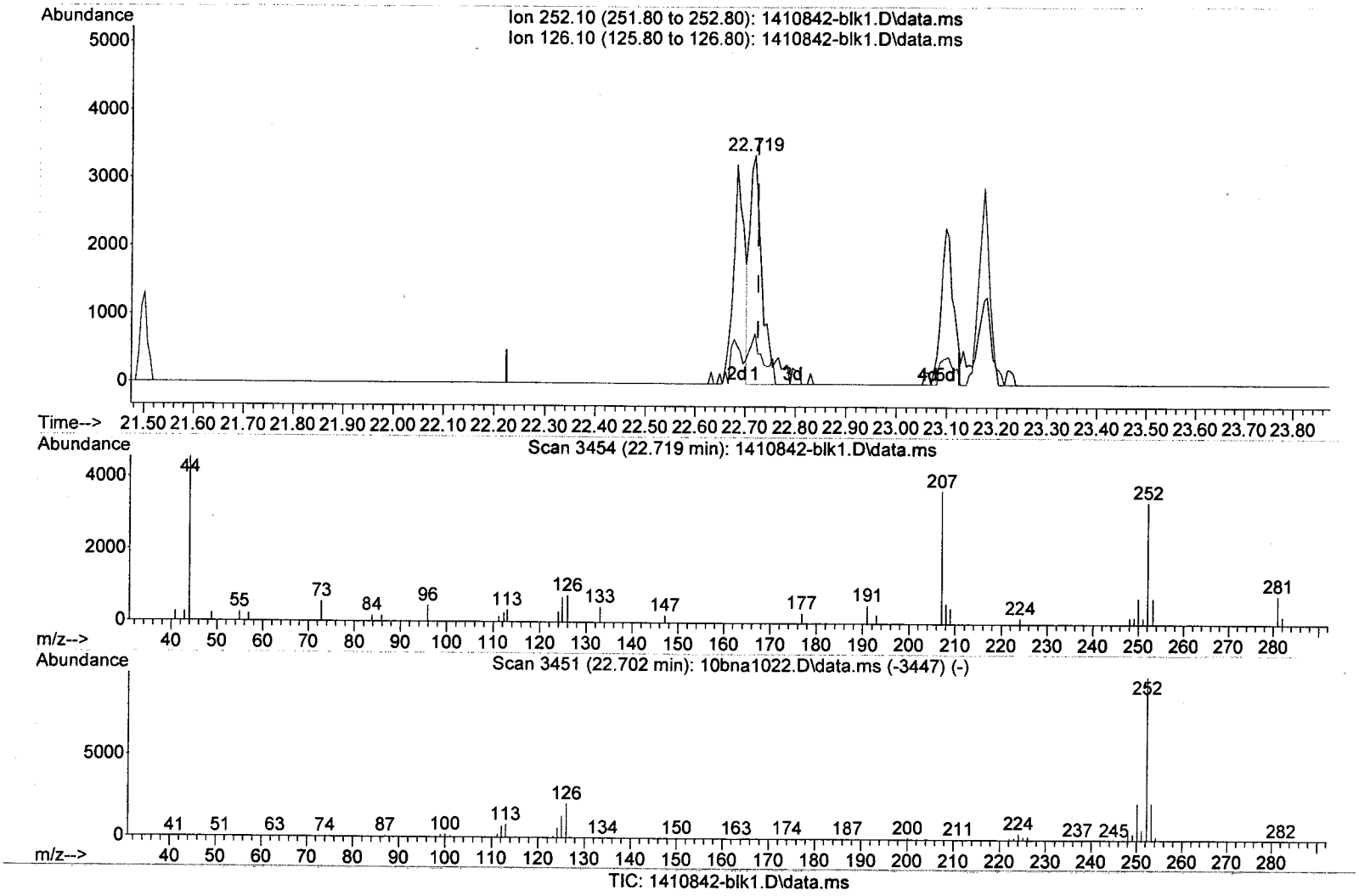
response 6045

Ion	Exp%	Act%
228.10	100.00	100.00
226.10	25.90	20.76
114.10	13.30	90.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-blk1.D
Acq On : 21 Oct 2014 14:26
Operator : JLB
Sample : 1410842-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 07:59:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.719min (-0.006) 0.06 ng/uL

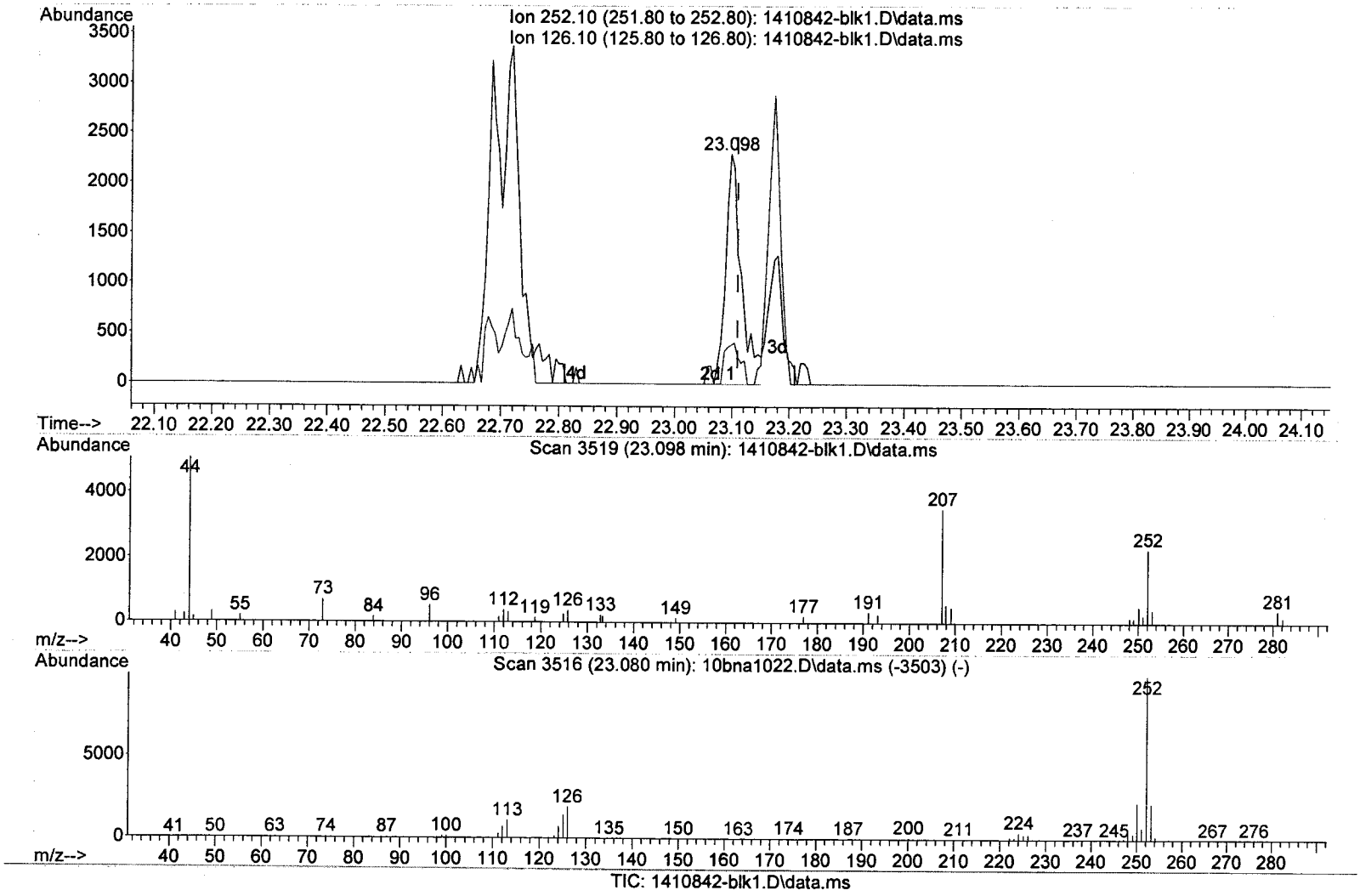
response 5969

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	18.90	24.98#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-blk1.D
Acq On : 21 Oct 2014 14:26
Operator : JLB
Sample : 1410842-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 07:59:05 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



TIC: 1410842-blk1.D\data.ms

(92) Benzo(a)pyrene (C)

23.098min (-0.012) 0.05 ng/uL

response 4355

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	19.40	17.66
0.00	0.00	0.00
0.00	0.00	0.00

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410920-BLK1 File ID: 1410920-blk1.D

Prepared: 10/09/14 07:32 Analyzed: 10/20/14 18:45

Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	88	ug/kg wet	69	170	330	J
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3′-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410920-BLK1 File ID: 1410920-blk1.D

Prepared: 10/09/14 07:32 Analyzed: 10/20/14 18:45

Preparation: 3550C Sonication Extract Initial/Final: 28.7 grams / 1 mL

QC Batch: 1410920 Sequence: 4J21016 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	14	ug/kg wet	3.9	17	17	J
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	17	ug/kg wet	12	17	33	U
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	17	ug/kg wet	3.9	17	170	U
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	697	556	80	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410920-BLK1
File ID: 1410920-blk1.D
Prepared: 10/09/14 07:32
Analyzed: 10/20/14 18:45
Preparation: 3550C Sonication Extract
Initial/Final: 28.7 grams / 1 mL
QC Batch: 1410920
Sequence: 4J21016
Calibration: 4J06006
Instrument: 339

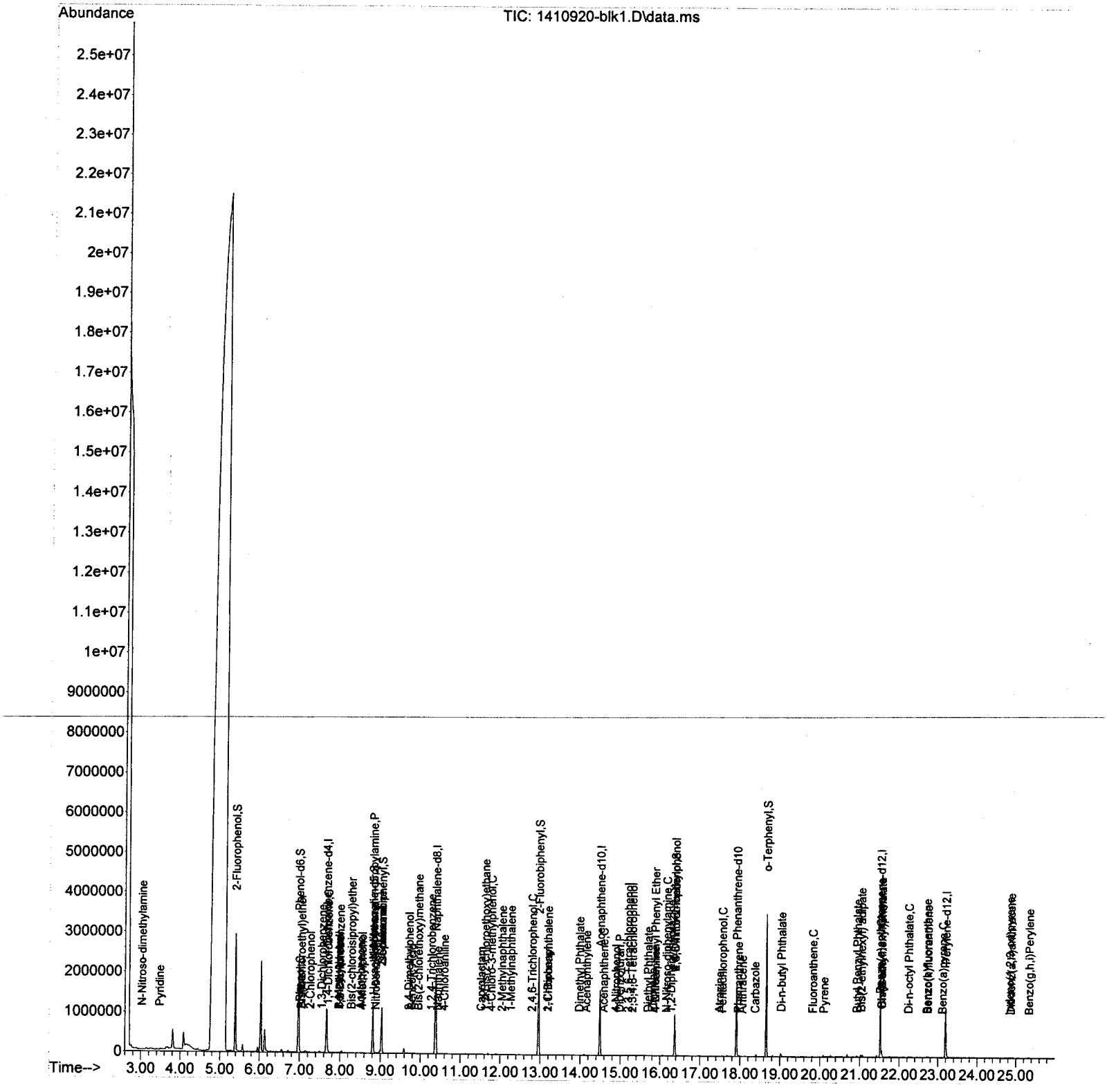
System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	697	627	90	30 - 115	
Nitrobenzene-d5	348	334	96	33 - 131	
2-Fluorobiphenyl	348	340	98	46 - 122	
2,4,6-Tribromophenol	697	400	57	12 - 124	
o-Terphenyl	348	368	106	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	317598	7.663	403279	7.614	
Naphthalene-d8	1214111	10.385	1529030	10.359	
Acenaphthene-d10	662543	14.495	866604	14.474	
Phenanthrene-d10	998646	17.91	1400442	17.901	
Chrysene-d12	835462	21.518	1153654	21.538	
Perylene-d12	677921	23.197	991596	23.211	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410920-blk1.D
Acq On : 20 Oct 2014 18:45
Operator : JLB
Sample : 1410920-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:54:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410920-blk1.D
Acq On : 20 Oct 2014 18:45
Operator : JLB
Sample : 1410920-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:54:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	317598	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.385	136	1214111	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.495	164	662543	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.910	188	998646	5.00	ng/uL	0.00
81) Chrysene-d12	21.518	240	835462	5.00	ng/uL	#-0.01
89) Perylene-d12	23.197	264	677921	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.390	112	1157959	15.96	ng/uL	0.17
6) Phenol-d6	6.976	99	1691224	18.00	ng/uL	0.03
21) Nitrobenzene-d5	8.812	82	745037	9.60	ng/uL	0.00
23) Decafluorobiphenyl	9.033	334	474794	8.73	ng/uL	0.00
47) 2-Fluorobiphenyl	12.962	172	1337770	9.77	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.371	330	173983	11.49	ng/uL	-0.01
78) o-Terphenyl	18.662	230	905292	10.57	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.024	74	3460	0.07	ng/uL	86
3) Pyridine	3.473	79	321	0.00	ng/uL	87
5) Aniline	7.034	93	301	0.23	ng/uL#	1
7) Phenol	6.999	94	1829	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.034	93	301	0.00	ng/uL#	21
9) 2-Chlorophenol	7.255	128	184	0.00	ng/uL#	43
10) 1,3-Dichlorobenzene	7.541	146	1140	0.01	ng/uL#	19
11) 1,4-Dichlorobenzene	7.693	146	620	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.990	146	901	0.01	ng/uL#	41
13) Bis(2-chloroisipropyl)...	8.281	45	264	0.00	ng/uL#	51
14) Benzyl Alcohol	7.967	108	956	0.02	ng/uL	84
15) 2-Methylphenol	7.967	108	956	0.01	ng/uL#	64
16) Acetophenone	8.503	105	1312	0.01	ng/uL#	96
17) Hexachloroethane	8.829	119	68	0.00	ng/uL#	3
18) 4-Methylphenol	8.538	108	59	0.00	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.812	70	97539	RT 1.70	ng/uL#	6
22) Nitrobenzene	8.876	77	142	0.00	ng/uL#	30
24) Isophorone	9.033	82	244	0.00	ng/uL	92
25) 2-Chloroaniline	9.027	127	6629	0.07	ng/uL#	58
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.709	107	125	0.00	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.942	93	58	0.00	ng/uL#	16
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.773	105	4530	2.52	ng/uL	89
31) 1,2,4-Trichlorobenzene	10.269	180	609	0.01	ng/uL	91
32) Naphthalene	10.432	128	871	0.00	ng/uL#	74
33) 4-Chloroaniline	10.589	127	437	0.01	ng/uL#	46
34) 2,6-Dichlorophenol	0.000		0	N.D.		
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.516	55	382	0.01	ng/uL#	21
37) 1,2-Bis(2-chloroethoxy...	11.615	63	191	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.773	107	413	0.01	ng/uL#	69
39) 2-Methylnaphthalene	12.041	142	130	0.00	ng/uL#	50
40) 1-Methylnaphthalene	12.268	142	156	0.00	ng/uL#	71
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

004497

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410920-blk1.D
Acq On : 20 Oct 2014 18:45
Operator : JLB
Sample : 1410920-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:54:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	12.793	196	175	0.00 ng/uL#	10
46) 2,4,5-Trichlorophenol	12.793	196	175	0.00 ng/uL#	11
48) 2-Chloronaphthalene	13.183	162	272	0.00 ng/uL	98
49) 1,1'-Biphenyl	13.177	154	1150	0.01 ng/uL#	74
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.151	152	170	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	0.000		0	N.D.	
53) Dimethyl Phthalate	13.976	163	519	0.00 ng/uL#	42
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.576	153	125	0.00 ng/uL#	1
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.978	168	524	0.00 ng/uL	91
58) 4-Nitrophenol	14.885	65	1167	0.04 ng/uL#	58
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	15.188	232	339	0.01 ng/uL#	48
61) 2,3,4,6-Tetrachlorophenol	15.293	232	351	0.01 ng/uL#	82
62) Fluorene	15.806	166	236	0.00 ng/uL#	13
63) Diethyl Phthalate	15.690	149	2282	0.02 ng/uL	92
64) 4-Chlorophenyl Phenyl ...	15.870	204	56	0.00 ng/uL#	29
65) 4-Nitroaniline	15.876	138	847	0.04 ng/uL#	1
67) 4,6-Dinitro-2-methylph...	16.371	198	655	RT ~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.162	169	636	0.01 ng/uL#	84
69) 1,2-Diphenylhydrazine	16.272	182	252	0.01 ng/uL#	29
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	17.479	200	913	0.03 ng/uL#	54
74) Pentachlorophenol	17.549	266	3078	0.14 ng/uL#	86
75) Phenanthrene	17.951	178	2216	0.01 ng/uL#	80
76) Anthracene	18.050	178	649	0.00 ng/uL#	78
77) Carbazole	18.371	167	5747	0.04 ng/uL#	91
79) Di-n-butyl Phthalate	19.035	149	19446	0.10 ng/uL	99
80) Fluoroanthene	19.816	202	1933	0.01 ng/uL#	85
~~82) Pyrene~~	~~20.102~~	~~202~~	~~3148~~	~~0.02 ng/uL#~~	~~44~~
83) Butyl Benzyl Phthalate	20.929	149	5909	0.08 ng/uL	91
84) Bis(2-ethylhexyl) adipate	21.029	129	9094	0.19 ng/uL#	100
85) Benzo(a)anthracene	21.506	228	11297	0.07 ng/uL#	55
86) Chrysene	21.547	228	8900	0.06 ng/uL#	10
87) Bis(2-ethylhexyl)phtha...	21.553	149	33010	<mul ~~0.33~~ ng/uL	93
88) Di-n-octyl Phthalate	22.235	149	11291	0.40 ng/uL	97
90) Benzo(b)fluoroanthene	22.707	252	6051	0.05 ng/uL#	89
91) Benzo(k)fluoranthene	22.736	252	7250	0.05 ng/uL#	89
92) Benzo(a)pyrene	23.115	252	5491	0.05 ng/uL	95
93) Indeno(1,2,3-cd)pyrene	24.835	276	2574	0.03 ng/uL	99
94) Dibdenz(a,h)anthracene	24.870	278	2323	0.03 ng/uL	96
95) Benzo(g,h,i)Perylene	25.336	276	2399	0.03 ng/uL#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004498

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410920-blk1.D
Acq On : 20 Oct 2014 18:45
Operator : JLB
Sample : 1410920-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:47:52 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	315737	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.385	136	1214111	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.495	164	662543	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	999024	5.00	ng/uL		0.00
19) Chrysene-d12	21.518	240	835462	5.00	ng/uL	#	0.00
22) Perylene-d12	23.197	264	677921	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.309	74	5106	0.10	ng/uL		86
3) Pyridine	3.006	79	507	0.01	ng/uL		83
4) Aniline	7.034	93	301	0.00	ng/uL	#	1
5) Benzaldehyde	6.836	105	1073	0.02	ng/uL	#	1
6) Acetophenone	8.503	105	1312	0.01	ng/uL	#	96
7) N-Nitroso-di-n-propyla...	8.532	70	308	0.01	ng/uL	#	1
9) 4-Chloroaniline	10.589	127	437	0.01	ng/uL	#	46
10) Caprolactam	11.417	55	181	0.10	ng/uL	#	56
12) 1,1'-Biphenyl	13.177	154	1150	0.01	ng/uL	#	74
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	15.876	138	847	Below Cal		#	1
17) N-Nitroso-diphenylamine	16.162	169	636	0.01	ng/uL	#	84
18) Atrazine	17.479	200	913	Below Cal		#	54
20) Benzidine	20.032	184	1101	0.42	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

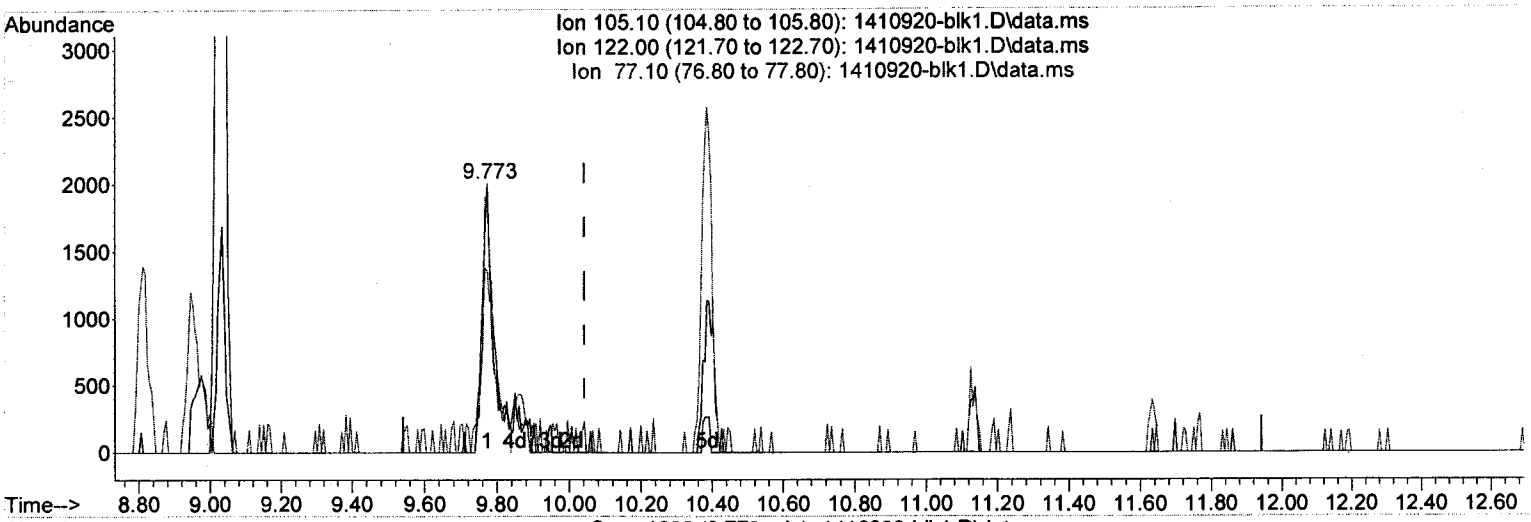
(#) = qualifier out of range (m) = manual integration (+) = signals summed

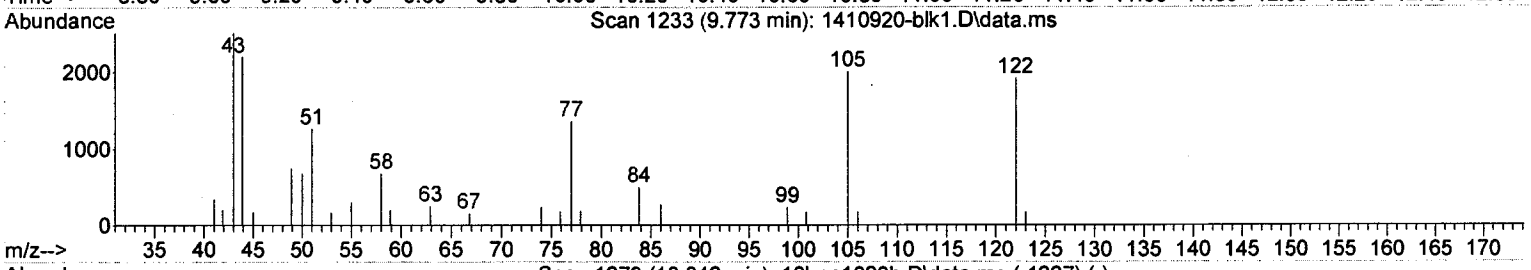
004493

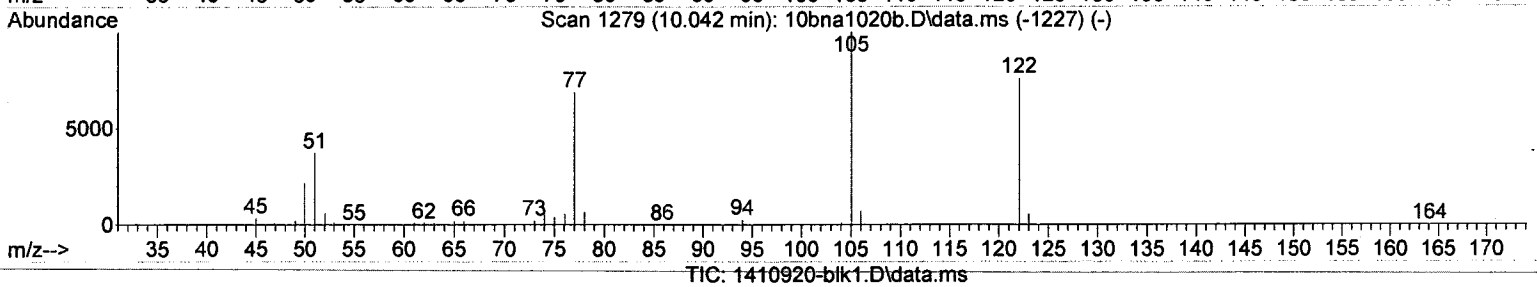
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410920-blk1.D
Acq On : 20 Oct 2014 18:45
Operator : JLB
Sample : 1410920-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:54:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410920-blk1.D\data.ms

(30) Benzoic Acid

9.773min (-0.268) 2.52 ng/uL

response 4530

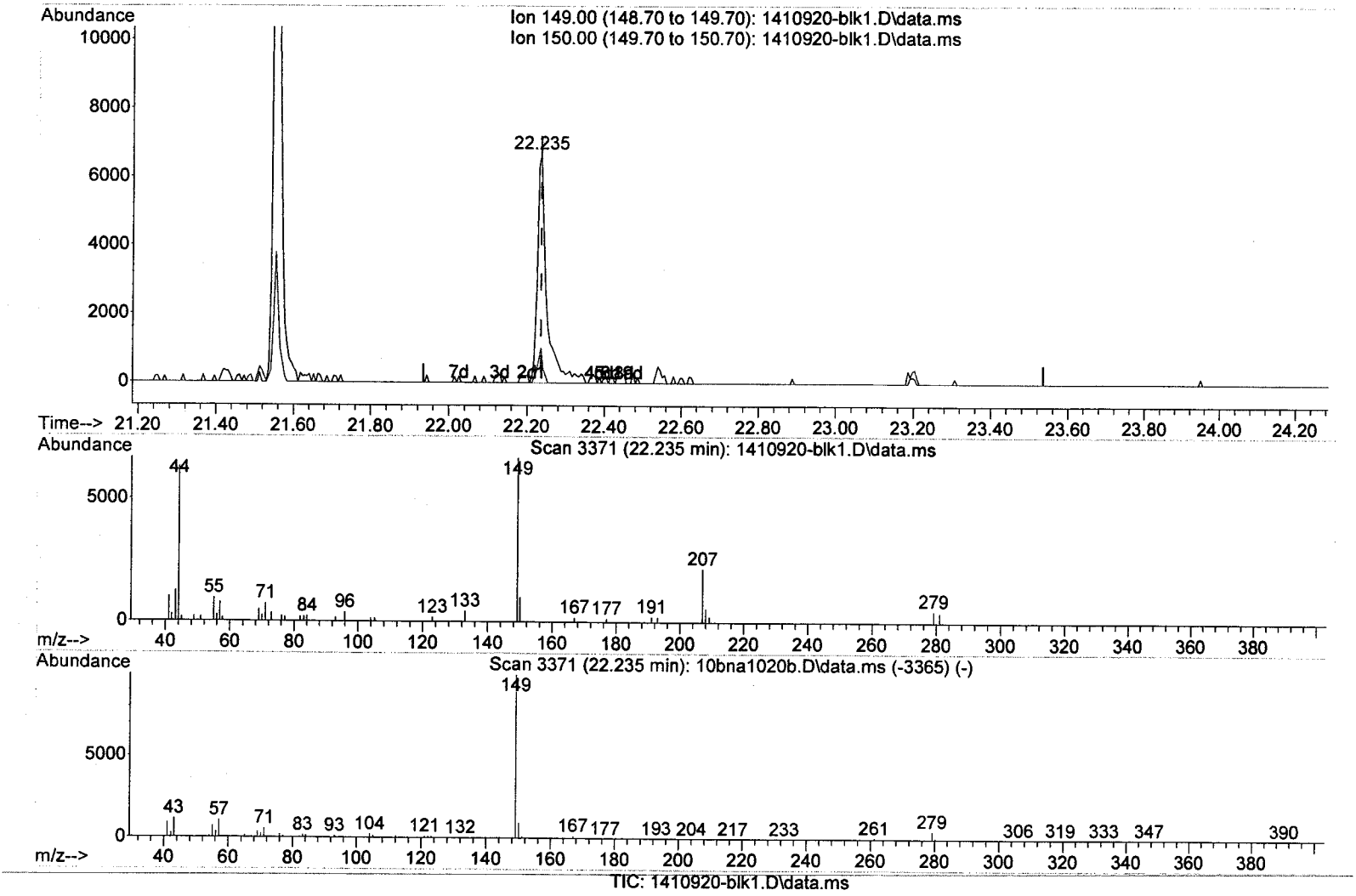
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	87.57
77.10	74.70	86.56
0.00	0.00	0.00

004580

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410920-blk1.D
Acq On : 20 Oct 2014 18:45
Operator : JLB
Sample : 1410920-blk1 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:54:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410920-blk1.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.235min (-0.000) 0.40 ng/uL

response 11291

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	8.56
0.00	0.00	0.00
0.00	0.00	0.00

004561

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410920-BLK2
File ID: 1411640-blk1.D
Prepared: 10/22/14 08:32
Analyzed: 10/22/14 10:58
Preparation: 3550C Sonication Extract
Initial/Final: 29.1 grams / 1 mL
QC Batch: 1410920
Sequence: 4J22044
Calibration: 4J06006
Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	17	ug/kg wet	4.6	17	17	U
208-96-8	Acenaphthylene	17	ug/kg wet	4.2	17	17	U
120-12-7	Anthracene	17	ug/kg wet	4.0	17	17	U
56-55-3	Benzo(a)anthracene	8.3	ug/kg wet	2.8	8.3	17	U
50-32-8	Benzo(a)pyrene	8.3	ug/kg wet	2.3	8.3	17	U
205-99-2	Benzo(b)fluoranthene	8.3	ug/kg wet	1.9	8.3	17	U
207-08-9	Benzo(k)fluoranthene	8.3	ug/kg wet	2.0	8.3	17	U
191-24-2	Benzo(g,h,i)perylene	8.3	ug/kg wet	1.9	8.3	33	U
65-85-0	Benzoic Acid	88	ug/kg wet	69	170	330	J
100-51-6	Benzyl Alcohol	17	ug/kg wet	4.6	17	17	U
101-55-3	4-Bromophenyl Phenyl Ether	17	ug/kg wet	4.0	17	17	U
85-68-7	Butyl Benzyl Phthalate	17	ug/kg wet	4.0	17	33	U
86-74-8	Carbazole	17	ug/kg wet	4.0	17	170	U
59-50-7	4-Chloro-3-methylphenol	17	ug/kg wet	5.0	17	17	U
106-47-8	4-Chloroaniline	17	ug/kg wet	8.8	17	67	U
111-91-1	Bis(2-chloroethoxy)methane	17	ug/kg wet	4.0	17	17	U
111-44-4	Bis(2-chloroethyl) Ether	17	ug/kg wet	4.0	17	17	U
108-60-1	Bis(2-chloroisopropyl) Ether	8.3	ug/kg wet	3.7	8.3	17	U
91-58-7	2-Chloronaphthalene	17	ug/kg wet	4.9	17	17	U
95-57-8	2-Chlorophenol	17	ug/kg wet	3.9	17	17	U
7005-72-3	4-Chlorophenyl Phenyl Ether	17	ug/kg wet	3.8	17	17	U
218-01-9	Chrysene	17	ug/kg wet	3.9	17	17	U
53-70-3	Dibenz(a,h)anthracene	8.3	ug/kg wet	1.9	8.3	33	U
132-64-9	Dibenzofuran	17	ug/kg wet	4.9	17	17	U
84-74-2	Di-n-butyl Phthalate	33	ug/kg wet	14	33	67	U
106-46-7	1,4-Dichlorobenzene	17	ug/kg wet	4.8	17	17	U
95-50-1	1,2-Dichlorobenzene	17	ug/kg wet	5.5	17	17	U
541-73-1	1,3-Dichlorobenzene	17	ug/kg wet	5.7	17	17	U
91-94-1	3,3´-Dichlorobenzidine	670	ug/kg wet	280	670	830	U
120-83-2	2,4-Dichlorophenol	17	ug/kg wet	4.1	17	33	U
84-66-2	Diethyl Phthalate	17	ug/kg wet	4.8	17	17	U
105-67-9	2,4-Dimethylphenol	130	ug/kg wet	36	130	170	U
131-11-3	Dimethyl Phthalate	17	ug/kg wet	4.7	17	17	U
534-52-1	4,6-Dinitro-2-methylphenol	67	ug/kg wet	21	67	170	U
51-28-5	2,4-Dinitrophenol	170	ug/kg wet	56	170	170	U

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410920-BLK2 File ID: 1411640-blk1.D

Prepared: 10/22/14 08:32 Analyzed: 10/22/14 10:58

Preparation: 3550C Sonication Extract Initial/Final: 29.1 grams / 1 mL

QC Batch: 1410920 Sequence: 4J22044 Calibration: 4J06006 Instrument: 339

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
606-20-2	2,6-Dinitrotoluene	8.3	ug/kg wet	4.0	8.3	17	U
121-14-2	2,4-Dinitrotoluene	8.3	ug/kg wet	3.3	8.3	33	U
117-84-0	Di-n-octyl Phthalate	12	ug/kg wet	3.9	17	17	J
122-66-7	1,2-Diphenylhydrazine	8.3	ug/kg wet	3.4	8.3	17	U
117-81-7	Bis(2-ethylhexyl) Phthalate	17	ug/kg wet	12	17	33	U
206-44-0	Fluoranthene	17	ug/kg wet	4.5	17	17	U
86-73-7	Fluorene	17	ug/kg wet	4.0	17	33	U
118-74-1	Hexachlorobenzene	17	ug/kg wet	4.8	17	17	U
87-68-3	Hexachlorobutadiene	17	ug/kg wet	4.6	17	17	U
67-72-1	Hexachloroethane	17	ug/kg wet	5.0	17	17	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	ug/kg wet	2.7	8.3	33	U
78-59-1	Isophorone	17	ug/kg wet	3.8	17	17	U
91-57-6	2-Methylnaphthalene	17	ug/kg wet	4.6	17	17	U
108-39-4	3+4-Methylphenol	8.3	ug/kg wet	3.7	8.3	17	U
95-48-7	2-Methylphenol	8.3	ug/kg wet	3.6	8.3	17	U
91-20-3	Naphthalene	17	ug/kg wet	5.6	17	17	U
100-01-6	4-Nitroaniline	67	ug/kg wet	24	67	330	U
88-74-4	2-Nitroaniline	8.3	ug/kg wet	3.6	8.3	17	U
99-09-2	3-Nitroaniline	33	ug/kg wet	16	33	330	U
98-95-3	Nitrobenzene	17	ug/kg wet	4.6	17	17	U
88-75-5	2-Nitrophenol	17	ug/kg wet	4.5	17	17	U
100-02-7	4-Nitrophenol	330	ug/kg wet	100	330	670	U
62-75-9	N-Nitroso-dimethylamine	6.7	ug/kg wet	3.3	6.7	33	U
86-30-6	N-Nitroso-diphenylamine	8.3	ug/kg wet	3.4	8.3	17	U
621-64-7	N-Nitroso-di-n-propylamine	17	ug/kg wet	4.0	17	17	U
87-86-5	Pentachlorophenol	17	ug/kg wet	13	17	170	U
85-01-8	Phenanthrene	17	ug/kg wet	4.1	17	17	U
108-95-2	Phenol	17	ug/kg wet	3.9	17	170	U
129-00-0	Pyrene	17	ug/kg wet	4.3	17	17	U
120-82-1	1,2,4-Trichlorobenzene	17	ug/kg wet	4.4	17	17	U
95-95-4	2,4,5-Trichlorophenol	17	ug/kg wet	4.5	17	17	U
88-06-2	2,4,6-Trichlorophenol	8.3	ug/kg wet	2.5	8.3	17	U

System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
2-Fluorophenol	687	607	88	33 - 113	

METHOD BLANK DATA SHEET
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410920-BLK2
File ID: 1411640-blk1.D
Prepared: 10/22/14 08:32
Analyzed: 10/22/14 10:58
Preparation: 3550C Sonication Extract
Initial/Final: 29.1 grams / 1 mL
QC Batch: 1410920
Sequence: 4J22044
Calibration: 4J06006
Instrument: 339

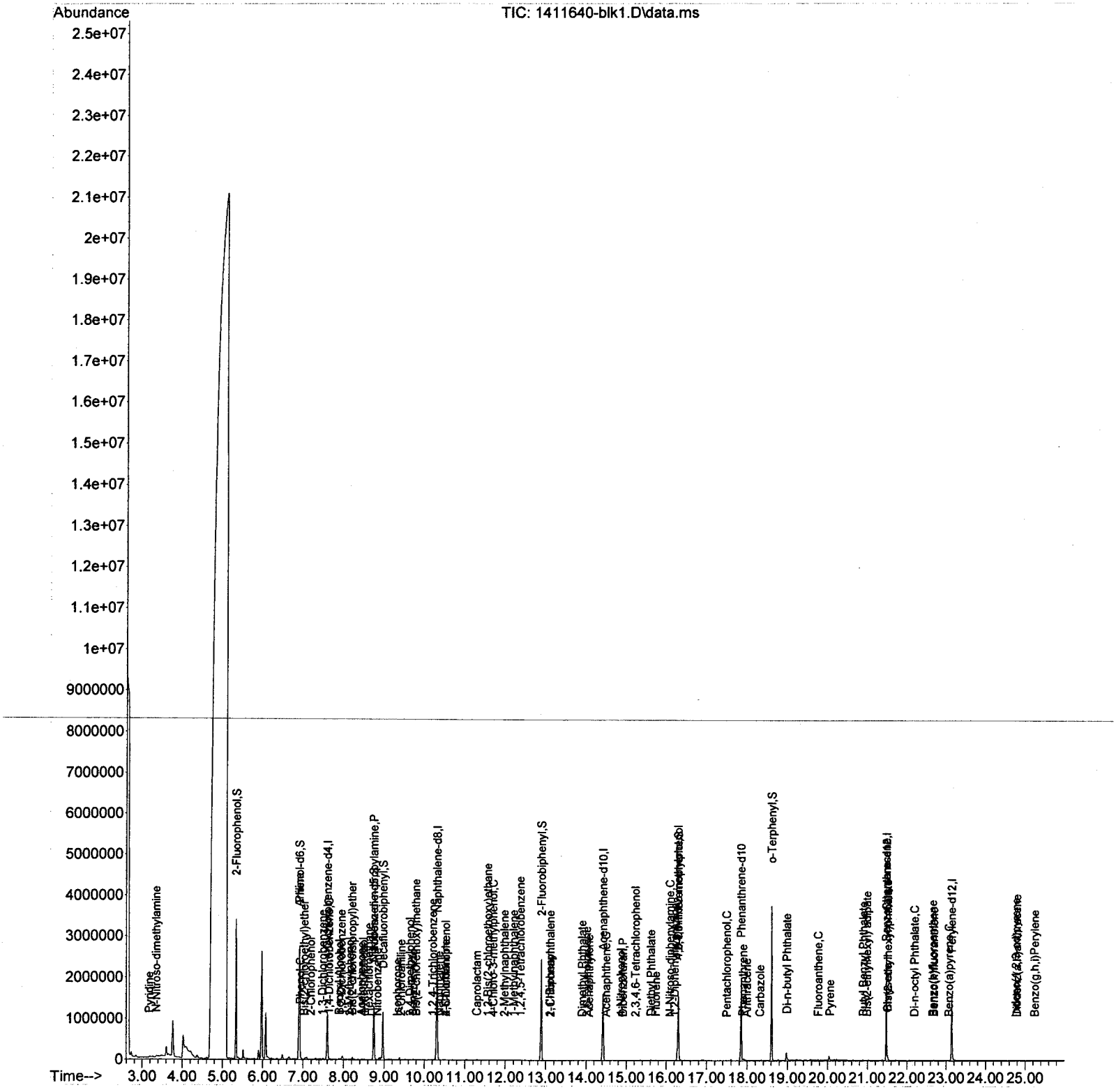
System Monitoring Compound	Added (ug/kg wet)	Conc. (ug/kg wet)	% REC	QC Limits	Q
Phenol-d6	687	652	95	30 - 115	
Nitrobenzene-d5	344	323	94	33 - 131	
2-Fluorobiphenyl	344	340	99	46 - 122	
2,4,6-Tribromophenol	687	583	85	12 - 124	
o-Terphenyl	344	357	104	20 - 155	

Internal Standard	Area	RT	Ref. Area	Ref. RT	Q
1,4-Dichlorobenzene-d4	328336	7.599	403279	7.614	
Naphthalene-d8	1262870	10.316	1529030	10.359	
Acenaphthene-d10	709552	14.419	866604	14.474	
Phenanthrene-d10	1165442	17.852	1400442	17.901	
Chrysene-d12	1041856	21.477	1153654	21.538	
Perylene-d12	875777	23.139	991596	23.211	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1411640-blk1.D
Acq On : 22 Oct 2014 10:58
Operator : JLB
Sample : 1411640-blk1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 13:35:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



004505

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1411640-blk1.D
Acq On : 22 Oct 2014 10:58
Operator : JLB
Sample : 1411640-blk1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

= 1410920-blk2

Quant Time: Oct 22 13:35:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.599	152	328336	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.316	136	1262870	5.00	ng/uL	-0.01
42) Acenaphthene-d10	14.419	164	709552	5.00	ng/uL	-0.02
66) Phenanthrene-d10	17.852	188	1165442	5.00	ng/uL	0.00
81) Chrysene-d12	21.477	240	1041856	5.00	ng/uL	# 0.00
89) Perylene-d12	23.139	264	875777	5.00	ng/uL	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.338	112	1324304	17.65	ng/uL	0.18
6) Phenol-d6	6.912	99	1842699	18.98	ng/uL	0.02
21) Nitrobenzene-d5	8.742	82	757638	9.39	ng/uL	-0.02
23) Decafluorobiphenyl	8.969	334	479237	8.47	ng/uL	-0.01
47) 2-Fluorobiphenyl	12.892	172	1450434	9.89	ng/uL	-0.02
70) 2,4,6-Tribromophenol	16.302	330	299779	16.96	ng/uL	-0.02
78) o-Terphenyl	18.610	230	1038787	10.40	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.350	74	6477	~~0.13~~	ng/uL	100
3) Pyridine	3.175	79	188	0.00	ng/uL	94
5) Aniline	6.906	93	121	0.22	ng/uL#	1
7) Phenol	6.929	94	2649	0.02	ng/uL#	1
8) Bis(2-chloroethyl)ether	7.022	93	311	0.00	ng/uL	97
9) 2-Chlorophenol	7.186	128	349	0.00	ng/uL#	70
10) 1,3-Dichlorobenzene	7.477	146	2224	0.02	ng/uL#	23
11) 1,4-Dichlorobenzene	7.634	146	1107	0.01	ng/uL#	1
12) 1,2-Dichlorobenzene	7.937	146	2009	0.02	ng/uL#	8
13) Bis(2-chloroisipropyl)...	8.206	45	686	0.00	ng/uL#	1
14) Benzyl Alcohol	7.891	108	2333	0.04	ng/uL	99
15) 2-Methylphenol	8.147	108	324	0.00	ng/uL#	38
16) Acetophenone	8.439	105	1424	0.01	ng/uL#	84
17) Hexachloroethane	8.619	119	81	0.00	ng/uL#	3
18) 4-Methylphenol	8.485	108	434	0.01	ng/uL#	1
19) N-Nitroso-di-n-propyla...	8.742	70	98217	~~1.66~~	ng/uL#	4
~~22) Nitrobenzene~~	~~8.823~~	~~77~~	~~113~~	~~0.00~~	~~ng/uL#~~	~~11~~
24) Isophorone	9.325	82	2378	0.01	ng/uL	94
25) 2-Chloroaniline	9.412	127	128	0.00	ng/uL#	58
26) 2-Nitrophenol	0.000		0	N.D.		
27) 2,4-Dimethylphenol	9.639	107	226	0.00	ng/uL#	65
28) Bis(2-chlorethoxy)methane	9.791	93	328	0.00	ng/uL	90
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) Benzoic Acid	9.715	105	6764	2.55	ng/uL	94
31) 1,2,4-Trichlorobenzene	10.205	180	1255	0.02	ng/uL	95
32) Naphthalene	10.362	128	1387	0.01	ng/uL#	74
33) 4-Chloroaniline	10.520	127	305	0.00	ng/uL#	1
34) 2,6-Dichlorophenol	10.525	162	189	0.00	ng/uL#	1
35) Hexachlorobutadiene	0.000		0	N.D.		
36) Caprolactam	11.289	55	5452	0.15	ng/uL#	57
37) 1,2-Bis(2-chloroethoxy...	11.563	63	328	0.00	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.697	107	482	0.01	ng/uL#	12
39) 2-Methylnaphthalene	11.977	142	450	0.00	ng/uL#	72
40) 1-Methylnaphthalene	12.204	142	186	0.00	ng/uL#	1
41) 1,3 Dinitrobenzene	0.000		0	N.D.		

004506

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1411640-blk1.D
Acq On : 22 Oct 2014 10:58
Operator : JLB
Sample : 1411640-blk1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 13:35:00 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.367	216	113	0.00 ng/uL#	20
44) Hexachlorocyclopentadiene	0.000		0	N.D.	
45) 2,4,6-Trichlorophenol	0.000		0	N.D.	
46) 2,4,5-Trichlorophenol	0.000		0	N.D.	
48) 2-Chloronaphthalene	13.107	162	514	0.00 ng/uL	98
49) 1,1'-Biphenyl	13.102	154	1193	0.01 ng/uL#	80
50) 2-Nitroaniline	0.000		0	N.D.	
51) Acenaphthylene	14.075	152	776	0.00 ng/uL#	55
52) 2,6-Dinitrotoluene	14.017	165	66	0.00 ng/uL#	31
53) Dimethyl Phthalate	13.900	163	939	0.01 ng/uL#	80
54) 3-Nitroaniline	0.000		0	N.D.	
55) Acenaphthene	14.495	153	292	0.00 ng/uL#	47
56) 2,4-Dinitrophenol	0.000		0	N.D.	
57) Dibenzofuran	14.914	168	681	0.00 ng/uL#	81
58) 4-Nitrophenol	14.862	65	132	0.00 ng/uL#	6
59) 2,4-Dinitrotoluene	0.000		0	N.D.	
60) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
61) 2,3,4,6-Tetrachlorophenol	15.229	232	68	0.00 ng/uL#	18
62) Fluorene	15.736	166	297	0.00 ng/uL#	18
63) Diethyl Phthalate	15.614	149	7031	0.05 ng/uL	98
64) 4-Chlorophenyl Phenyl ...	0.000		0	N.D.	
65) 4-Nitroaniline	0.000		0	N.D.	
67) 4,6-Dinitro-2-methylph...	16.296	198	828	~~1.01~~ ng/uL#	1
68) N-Nitroso-diphenylamine	16.092	169	226	0.00 ng/uL#	75
69) 1,2-Diphenylhydrazine	16.208	182	818	0.02 ng/uL	92
71) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
72) Hexachlorobenzene	0.000		0	N.D.	
73) Atrazine	0.000		0	N.D.	
74) Pentachlorophenol	17.491	266	582	0.02 ng/uL#	49
75) Phenanthrene	17.893	178	2487	0.01 ng/uL#	94
76) Anthracene	17.992	178	842	0.00 ng/uL#	95
77) Carbazole	18.318	167	2009	0.01 ng/uL#	86
79) Di-n-butyl Phthalate	18.989	149	12963	0.06 ng/uL#	94
80) Fluoroanthene	19.770	202	1766	0.01 ng/uL	95
~~82) Pyrene~~	~~20.061~~	~~202~~	~~1749~~	~~0.01 ng/uL#~~	~~69~~
83) Butyl Benzyl Phthalate	20.889	149	4837	0.05 ng/uL	100
84) Bis(2-ethylhexyl) adipate	20.988	129	2142	0.09 ng/uL#	100
85) Benzo(a)anthracene	21.472	228	6985	0.04 ng/uL#	17
86) Chrysene	21.507	228	5416	0.03 ng/uL#	1
87) Bis(2-ethylhexyl)phtha...	21.512	149	26756	0.21 ng/uL	93
88) Di-n-octyl Phthalate	22.189	149	5648m	0.36 ng/uL	
90) Benzo(b)fluoroanthene	22.655	252	5396	0.03 ng/uL	98
91) Benzo(k)fluoranthene	22.684	252	6239	0.03 ng/uL#	77
92) Benzo(a)pyrene	23.069	252	5029	0.03 ng/uL#	89
93) Indeno(1,2,3-cd)pyrene	24.765	276	2412	0.02 ng/uL	96
94) Dibdenz(a,h)anthracene	24.794	278	1773	0.02 ng/uL#	92
95) Benzo(g,h,i)Perylene	25.237	276	2216	0.02 ng/uL#	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004567

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1411640-blk1.D
Acq On : 22 Oct 2014 10:58
Operator : JLB
Sample : 1411640-blk1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

=141092016162

Quant Time: Oct 22 13:31:29 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 09:59:32 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.599	152	327045	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.316	136	1262870	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.419	164	708331	5.00	ng/uL		-0.01
16) Phenanthrene-d10	17.852	188	1167178	5.00	ng/uL		0.00
19) Chrysene-d12	21.477	240	1041856	5.00	ng/uL	#	0.00
22) Perylene-d12	23.139	264	873657	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.350	74	6477	0.12	ng/uL		100
3) Pyridine	3.175	79	188	0.00	ng/uL		94
4) Aniline	6.906	93	121	0.00	ng/uL#		1
5) Benzaldehyde	6.713	105	857	0.01	ng/uL#		75
6) Acetophenone	8.439	105	1424	0.01	ng/uL#		84
7) N-Nitroso-di-n-propyla...	8.485	70	196	0.00	ng/uL#		1
9) 4-Chloroaniline	10.520	127	305	0.01	ng/uL#		1
10) Caprolactam	11.289	55	4231	0.20	ng/uL#		59
12) 1,1'-Biphenyl	13.102	154	1193	0.01	ng/uL#		80
13) 2-Nitroaniline	0.000		0	N.D.			
14) 3-Nitroaniline	0.000		0	N.D.			
15) 4-Nitroaniline	0.000		0	N.D.			
17) N-Nitroso-diphenylamine	16.092	169	226	0.00	ng/uL#		75
18) Atrazine	0.000		0	N.D.			
20) Benzidine	0.000		0	N.D.			
21) 3,3'-Dichlorobenzidine	0.000		0	N.D.			

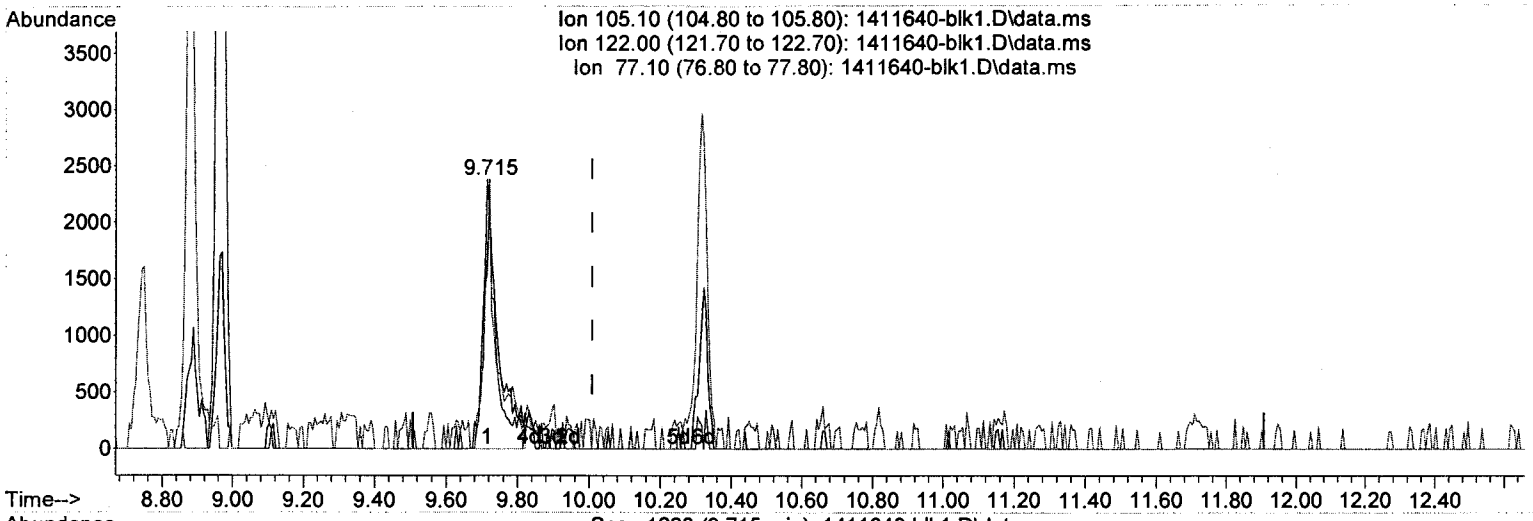
(#) = qualifier out of range (m) = manual integration (+) = signals summed

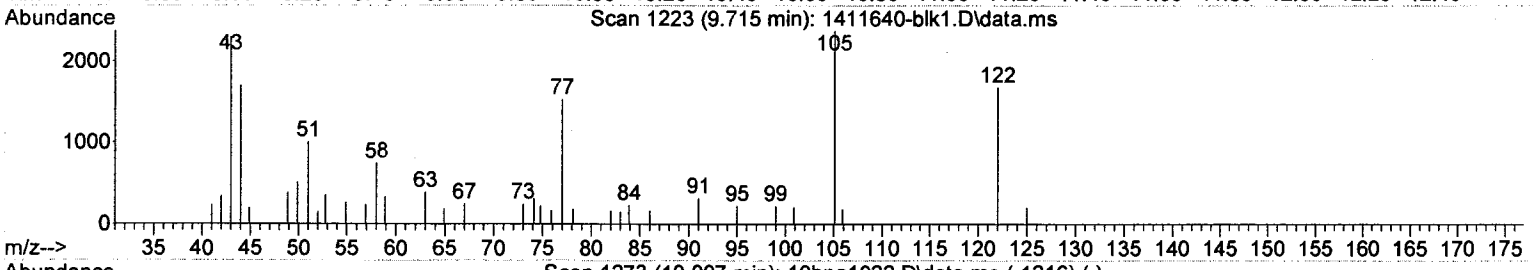
004508

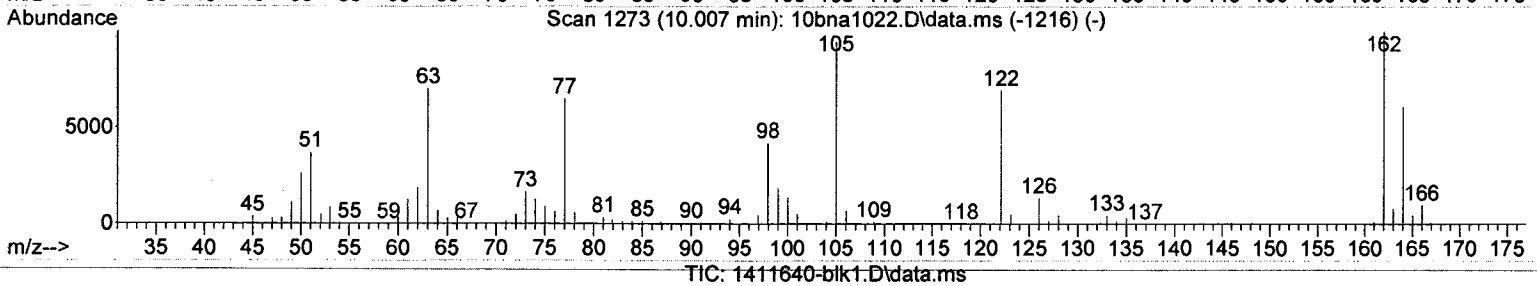
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1411640-blk1.D
Acq On : 22 Oct 2014 10:58
Operator : JLB
Sample : 1411640-blk1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 13:34:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1411640-blk1.D\data.ms

(30) Benzoic Acid

9.715min (-0.293) 2.55 ng/uL

response 6764

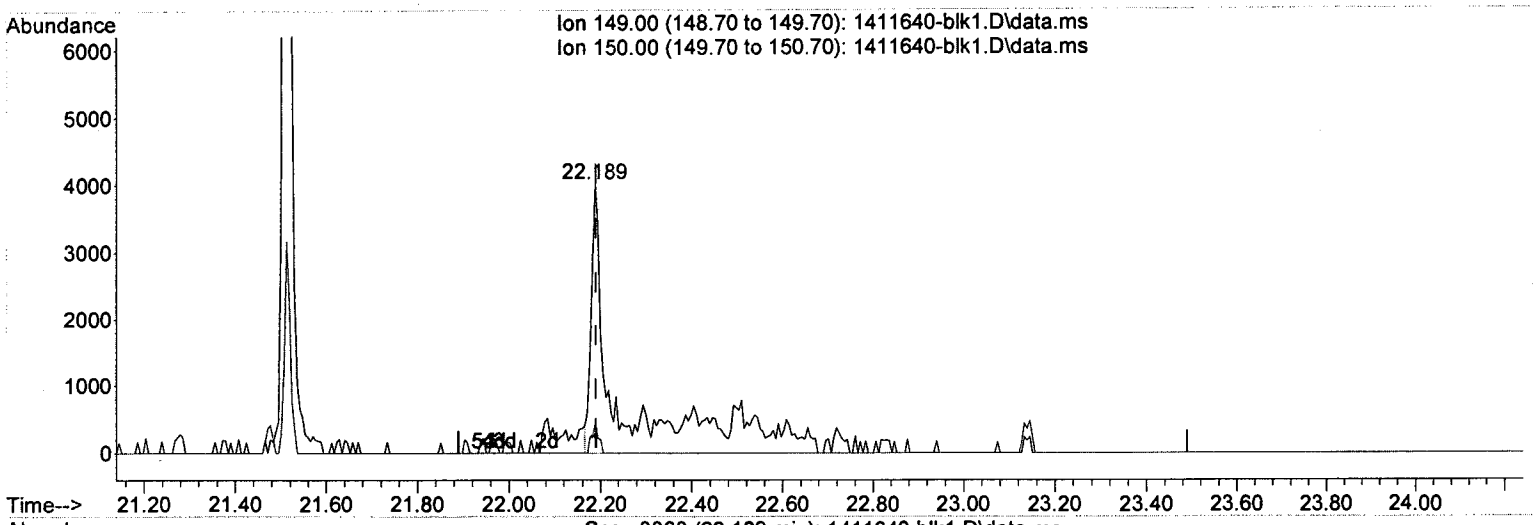
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	84.02
77.10	74.70	81.28
0.00	0.00	0.00

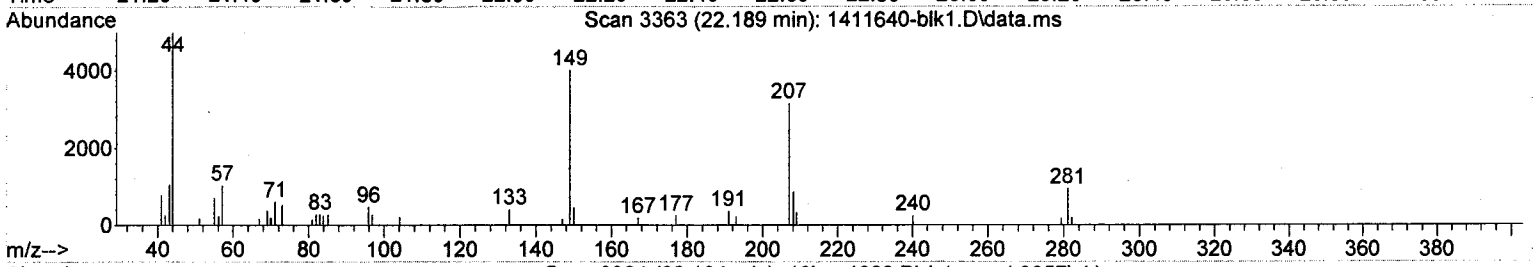
004509

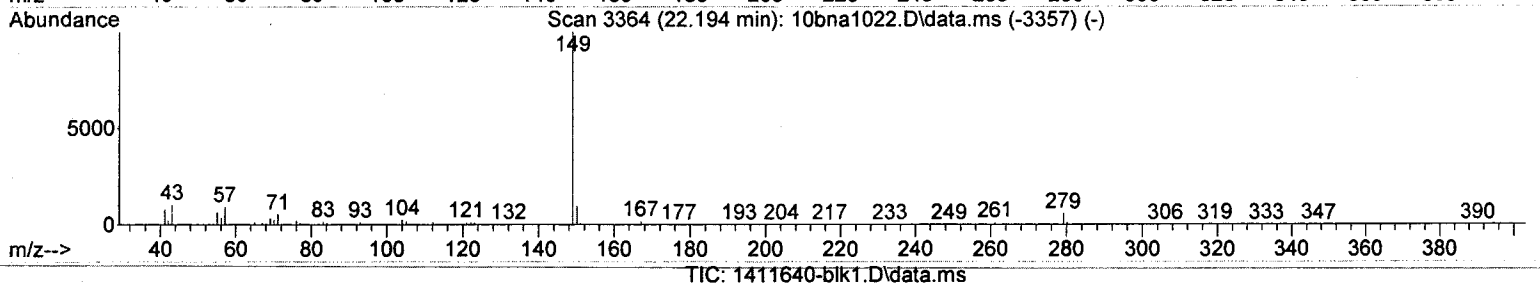
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1411640-blk1.D
Acq On : 22 Oct 2014 10:58
Operator : JLB
Sample : 1411640-blk1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 13:34:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1411640-blk1.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.189min (-0.001) 0.42 ng/uL

response 17244

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	2.83#
0.00	0.00	0.00
0.00	0.00	0.00

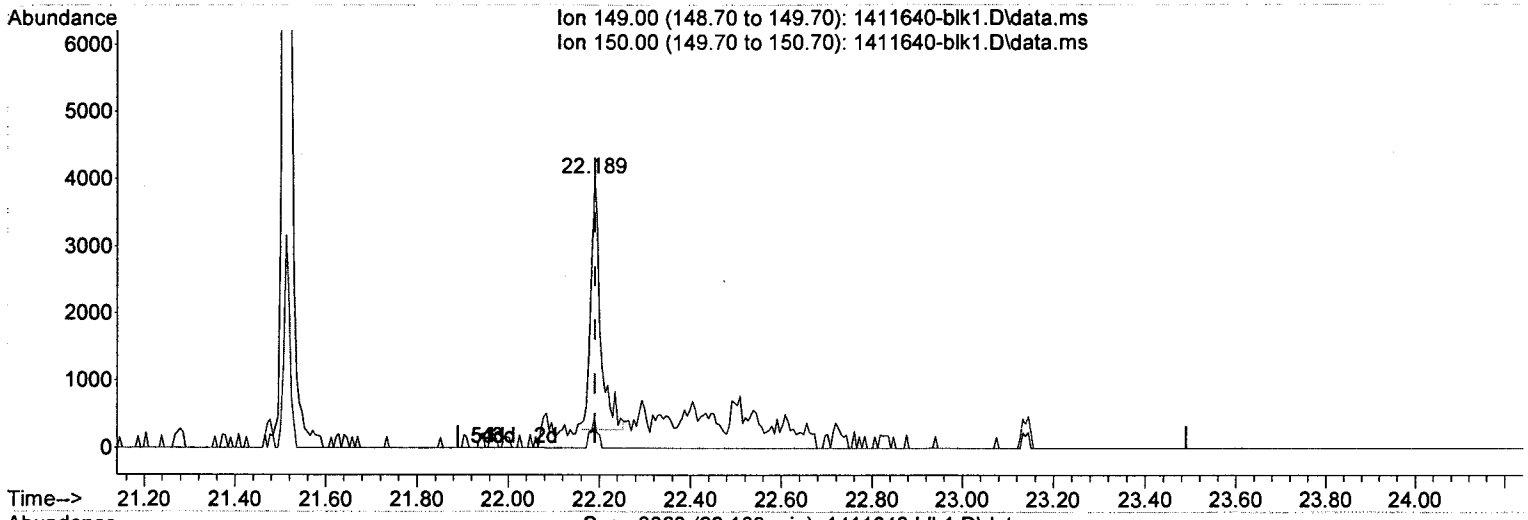
JLS 10/22/14

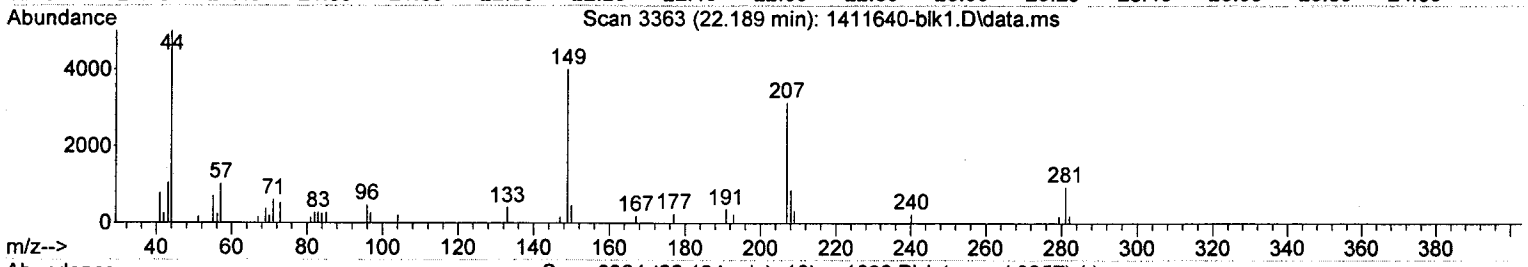
DWS 10-22-14

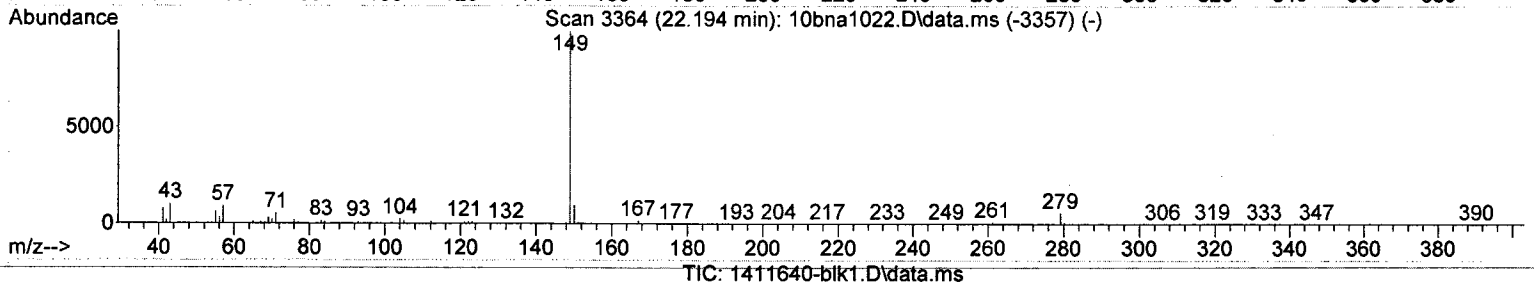
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1411640-blk1.D
Acq On : 22 Oct 2014 10:58
Operator : JLB
Sample : 1411640-blk1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 13:34:17 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration







TIC: 1411640-blk1.D\data.ms

(88) Di-n-octyl Phthalate (C)

22.189min (-0.001) 0.36 ng/uL m

response 5648

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.60	8.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 10/22/14

Reviewed By: DW Date: 10-22-14

004511

LCS / LCS DUPLICATE RECOVERY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410325-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410325
Sequence: 4J06027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	10.0	11.4	114	47 - 122	ug/L
Acenaphthylene	10.0	11.1	111	41 - 130	ug/L
Anthracene	10.0	12.3	123	57 - 123	ug/L
Benzo(a)anthracene	10.0	12.0	120	58 - 125	ug/L
Benzo(a)pyrene	10.0	12.5	125	54 - 128	ug/L
Benzo(b)fluoranthene	10.0	11.8	118	53 - 131	ug/L
Benzo(k)fluoranthene	10.0	12.7	127	57 - 129	ug/L
Benzo(g,h,i)perylene	10.0	12.5	125	50 - 134	ug/L
Benzoic Acid	50.0	10.0	20	0 - 125	ug/L
Benzyl Alcohol	10.0	10.2	102	25 - 107	ug/L
4-Bromophenyl Phenyl Ether	10.0	12.0	120	55 - 124	ug/L
Butyl Benzyl Phthalate	10.0	13.6	136 *	53 - 134	ug/L
Carbazole	10.0	13.4	134 *	60 - 122	ug/L
4-Chloro-3-methylphenol	10.0	11.2	112	52 - 119	ug/L
4-Chloroaniline	10.0	10.2	102	33 - 117	ug/L
Bis(2-chloroethoxy)methane	10.0	11.0	110	48 - 120	ug/L
Bis(2-chloroethyl) Ether	10.0	10.7	107	43 - 118	ug/L
Bis(2-chloroisopropyl) Ether	10.0	10.2	102	37 - 130	ug/L
2-Chloronaphthalene	10.0	12.0	120 *	40 - 116	ug/L
2-Chlorophenol	10.0	10.6	106	38 - 117	ug/L
4-Chlorophenyl Phenyl Ether	10.0	11.6	116	53 - 121	ug/L
Chrysene	10.0	12.4	124 *	59 - 123	ug/L
Dibenz(a,h)anthracene	10.0	12.5	125	51 - 134	ug/L
Dibenzofuran	10.0	11.6	116	53 - 118	ug/L
Di-n-butyl Phthalate	10.0	13.2	132	51 - 140	ug/L
1,4-Dichlorobenzene	10.0	10.5	105	29 - 112	ug/L
1,2-Dichlorobenzene	10.0	10.8	108	32 - 111	ug/L
1,3-Dichlorobenzene	10.0	10.8	108	28 - 110	ug/L
3,3'-Dichlorobenzidine	20.0	22.8	114	27 - 129	ug/L

LCS / LCS DUPLICATE RECOVERY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410325-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410325
Sequence: 4J06027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	10.0	11.2	112	47 - 121	ug/L
Diethyl Phthalate	10.0	11.9	119	56 - 125	ug/L
2,4-Dimethylphenol	10.0	10.2	102	31 - 124	ug/L
Dimethyl Phthalate	10.0	12.0	120	45 - 127	ug/L
4,6-Dinitro-2-methylphenol	10.0	12.6	126	44 - 137	ug/L
2,4-Dinitrophenol	10.0	13.4	134	23 - 143	ug/L
2,6-Dinitrotoluene	10.0	12.4	124	57 - 124	ug/L
2,4-Dinitrotoluene	10.0	12.7	127	57 - 128	ug/L
Di-n-octyl Phthalate	10.0	13.4	134	51 - 140	ug/L
1,2-Diphenylhydrazine	10.0	12.1	121	49 - 122	ug/L
Bis(2-ethylhexyl) Phthalate	10.0	14.6	146 *	55 - 135	ug/L
Fluoranthene	10.0	12.2	122	57 - 128	ug/L
Fluorene	10.0	11.9	119	52 - 124	ug/L
Hexachlorobenzene	10.0	11.3	113	53 - 125	ug/L
Hexachlorobutadiene	10.0	10.0	100	22 - 124	ug/L
Hexachloroethane	10.0	10.3	103	21 - 115	ug/L
Indeno(1,2,3-cd)pyrene	10.0	12.8	128	52 - 134	ug/L
Isophorone	10.0	9.37	94	42 - 124	ug/L
2-Methylnaphthalene	10.0	10.9	109	40 - 121	ug/L
3+4-Methylphenol	10.0	9.17	92	29 - 110	ug/L
2-Methylphenol	10.0	9.44	94	30 - 117	ug/L
Naphthalene	10.0	10.8	108	40 - 121	ug/L
4-Nitroaniline	10.0	12.8	128	27 - 143	ug/L
2-Nitroaniline	10.0	12.5	125	55 - 127	ug/L
3-Nitroaniline	10.0	11.9	119	41 - 128	ug/L
Nitrobenzene	10.0	10.8	108	45 - 121	ug/L
2-Nitrophenol	10.0	11.3	113	47 - 123	ug/L
4-Nitrophenol	10.0	4.78	48	18 - 61	ug/L
N-Nitroso-dimethylamine	10.0	6.58	66	38 - 121	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410325-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410325
Sequence: 4J06027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	10.0	12.3	123	51 - 123	ug/L
N-Nitroso-di-n-propylamine	10.0	11.0	110	49 - 119	ug/L
Pentachlorophenol	10.0	12.3	123	35 - 138	ug/L
Phenanthrene	10.0	12.0	120	59 - 120	ug/L
Phenol	10.0	5.47	55 *	22 - 52	ug/L
Pyrene	10.0	12.3	123	57 - 126	ug/L
1,2,4-Trichlorobenzene	10.0	10.5	105	29 - 116	ug/L
2,4,5-Trichlorophenol	10.0	12.5	125 *	53 - 123	ug/L
2,4,6-Trichlorophenol	10.0	11.8	118	50 - 125	ug/L

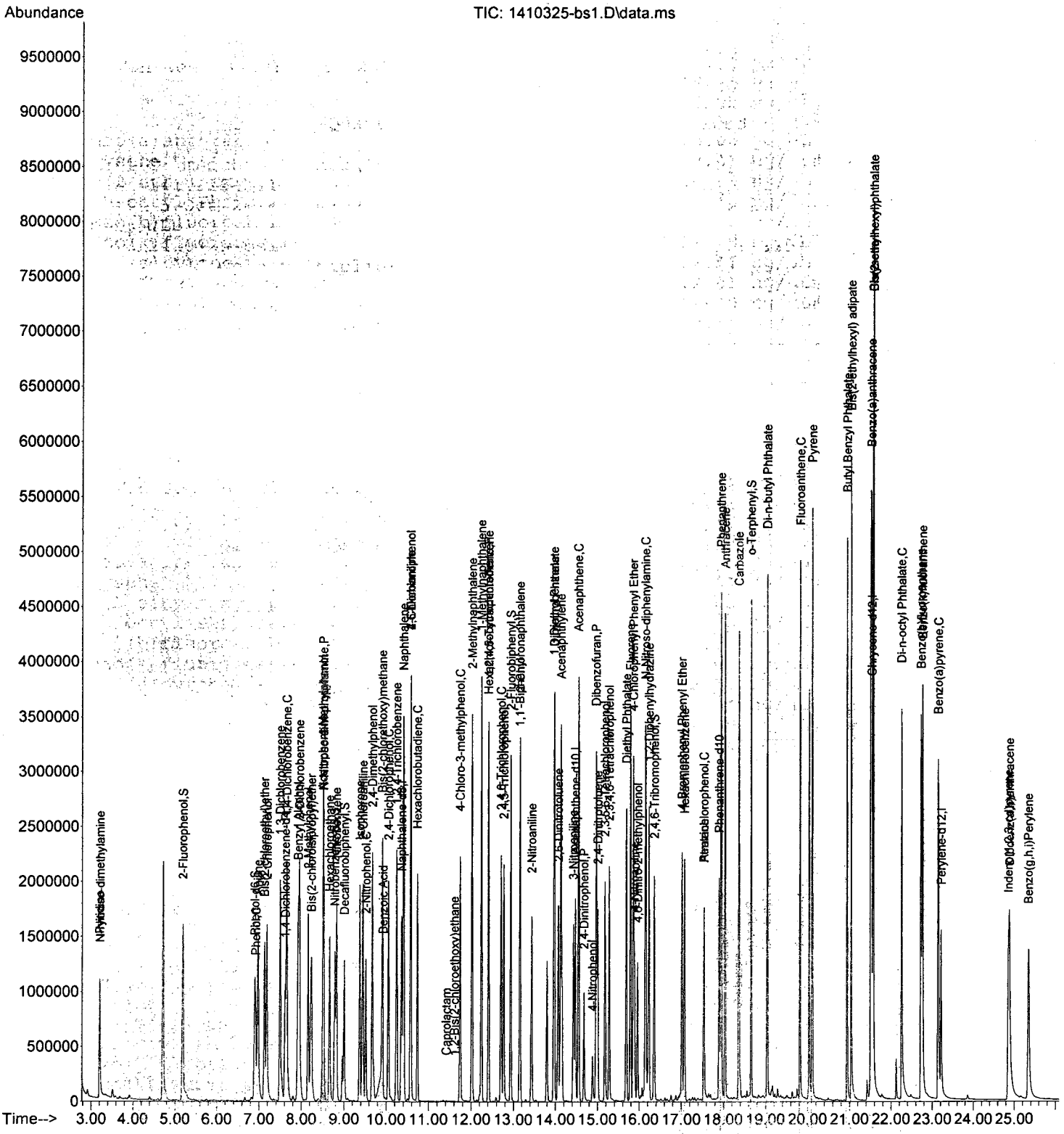
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-bs1.D
Acq On : 5 Oct 2014 14:02
Operator : JLB
Sample : 1410325-bs1 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 09:31:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



004515

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-bs1.D
Acq On : 5 Oct 2014 14:02
Operator : JLB
Sample : 1410325-bs1 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 09:31:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	352470	5.00	ng/uL	#	0.00
20) Naphthalene-d8	10.359	136	1368368	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.474	164	748018	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.901	188	1174453	5.00	ng/uL		0.00
81) Chrysene-d12	21.538	240	943672	5.00	ng/uL	#	0.00
89) Perylene-d12	23.217	264	865340	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.183	112	1052100	13.06	ng/uL		0.00
6) Phenol-d6	6.897	99	906238	8.69	ng/uL		-0.01
21) Nitrobenzene-d5	8.779	82	893972	10.22	ng/uL		0.00
23) Decafluorobiphenyl	9.007	334	568164	9.26	ng/uL		0.00
47) 2-Fluorobiphenyl	12.935	172	1717493	11.11	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.363	330	376605	21.14	ng/uL		0.00
78) o-Terphenyl	18.659	230	1131815	11.24	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.207	74	342684m	6.58	ng/uL		
3) Pyridine	3.201	79	523980	5.88	ng/uL		85
5) Aniline	6.973	93	1361114	15.67	ng/uL		95
7) Phenol	6.920	94	648051	5.47	ng/uL	#	60
8) Bis(2-chloroethyl)ether	7.124	93	1065051	10.68	ng/uL		88
9) 2-Chlorophenol	7.182	128	991423	10.55	ng/uL	#	32
10) 1,3-Dichlorobenzene	7.491	146	1098270	10.78	ng/uL		98
11) 1,4-Dichlorobenzene	7.649	146	1076524	10.52	ng/uL		97
12) 1,2-Dichlorobenzene	7.952	146	1033086	10.81	ng/uL		96
13) Bis(2-chloroisipropyl)...	8.237	45	1614474	10.18	ng/uL		96
14) Benzyl Alcohol	7.923	108	619379	10.22	ng/uL		82
15) 2-Methylphenol	8.162	108	794314	9.44	ng/uL		97
16) Acetophenone	8.500	105	13835	0.11	ng/uL	#	1
17) Hexachloroethane	8.657	119	391335	10.30	ng/uL		97
18) 4-Methylphenol	8.506	108	769461	9.17	ng/uL		89
19) N-Nitroso-di-n-propyla...	8.517	70	698691	10.99	ng/uL		100
22) Nitrobenzene	8.820	77	1030553	10.78	ng/uL	#	66
24) Isophorone	9.374	82	1648414	9.37	ng/uL		97
25) 2-Chloroaniline	9.450	127	1258361	11.24	ng/uL		98
26) 2-Nitrophenol	9.520	139	513635	11.30	ng/uL	#	82
27) 2,4-Dimethylphenol	9.671	107	900811	10.22	ng/uL	#	63
28) Bis(2-chlorethoxy)methane	9.910	93	1177004	11.03	ng/uL		97
29) 2,4-Dichlorophenol	10.056	162	780514	11.23	ng/uL		99
30) Benzoic Acid	9.922	105	567106	10.01	ng/uL		97
31) 1,2,4-Trichlorobenzene	10.242	180	834854	10.54	ng/uL		99
32) Naphthalene	10.406	128	2950531	10.80	ng/uL		97
33) 4-Chloroaniline	10.575	127	1130475	ah ~~16.90~~	ng/uL		98
34) 2,6-Dichlorophenol	10.575	162	775169	11.23	ng/uL		98
35) Hexachlorobutadiene	10.732	225	432187	10.00	ng/uL		98
36) Caprolactam	11.420	55	2000	0.05	ng/uL	#	47
37) 1,2-Bis(2-chloroethoxy...	11.606	63	2182	0.02	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.740	107	858874	11.22	ng/uL		93
39) 2-Methylnaphthalene	12.026	142	1895415	10.89	ng/uL		99
40) 1-Methylnaphthalene	12.248	142	1933562	12.21	ng/uL		99
41) 1,3 Dinitrobenzene	13.967	168	346986	12.28	ng/uL		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-bs1.D
Acq On : 5 Oct 2014 14:02
Operator : JLB
Sample : 1410325-bs1 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 09:31:40 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.417	216	742962	11.21	ng/uL	99
44) Hexachlorocyclopentadiene	12.411	237	324945	8.83	ng/uL	98
45) 2,4,6-Trichlorophenol	12.708	196	507348	11.83	ng/uL	95
46) 2,4,5-Trichlorophenol	12.772	196	559527	12.48	ng/uL	94
48) 2-Chloronaphthalene	13.157	162	1732655	11.96	ng/uL	99
49) 1,1'-Biphenyl	13.151	154	2822	0.01	ng/uL#	76
50) 2-Nitroaniline	13.442	138	662469 ab	~~13.54~~	ng/uL	97
51) Acenaphthylene	14.130	152	2671159	11.14	ng/uL#	89
52) 2,6-Dinitrotoluene	14.072	165	480431	12.44	ng/uL	93
53) Dimethyl Phthalate	13.973	163	1933509	11.95	ng/uL	99
54) 3-Nitroaniline	14.427	138	533487 ab	~~15.73~~	ng/uL#	1
55) Acenaphthene	14.550	153	1798863	11.39	ng/uL	98
56) 2,4-Dinitrophenol	14.684	184	248744	13.42	ng/uL	90
57) Dibenzofuran	14.969	168	2369383	11.57	ng/uL	96
58) 4-Nitrophenol	14.882	65	145712	4.78	ng/uL	96
59) 2,4-Dinitrotoluene	15.010	165	616631	12.72	ng/uL#	86
60) 2,3,5,6-Tetrachlorophenol	15.179	232	442266	12.00	ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.278	232	462236	12.45	ng/uL	98
62) Fluorene	15.791	166	1969422	11.89	ng/uL	97
63) Diethyl Phthalate	15.692	149	1808175	11.86	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.861	204	884181	11.56	ng/uL	93
65) 4-Nitroaniline	15.885	138	509028 ab	~~20.77~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.966	198	354131	12.60	ng/uL	98
68) N-Nitroso-diphenylamine	16.153	169	1596074	12.29	ng/uL	99
69) 1,2-Diphenylhydrazine	16.234	182	569507	12.10	ng/uL	78
71) 4-Bromophenyl Phenyl E...	17.021	248	476517	12.01	ng/uL	97
72) Hexachlorobenzene	17.079	284	491826	11.34	ng/uL	97
73) Atrazine	17.540	200	58968	1.51	ng/uL#	25
74) Pentachlorophenol	17.540	266	312104	12.27	ng/uL	97
75) Phenanthrene	17.948	178	2731159	12.01	ng/uL	98
76) Anthracene	18.041	178	2706779	12.33	ng/uL	99
77) Carbazole	18.368	167	2546310	13.45	ng/uL	98
79) Di-n-butyl Phthalate	19.044	149	2976880	13.17	ng/uL	99
80) Fluoroanthene	19.825	202	2638281	12.16	ng/uL	97
82) Pyrene	20.110	202	2755477	12.31	ng/uL	97
83) Butyl Benzyl Phthalate	20.944	149	1200497	13.58	ng/uL	90
84) Bis(2-ethylhexyl) adipate	21.043	129	1156307	13.26	ng/uL#	100
85) Benzo(a)anthracene	21.527	228	2064344	12.00	ng/uL	96
86) Chrysene	21.567	228	2085331	12.41	ng/uL#	84
87) Bis(2-ethylhexyl)phtha...	21.573	149	1656274	14.63	ng/uL	92
88) Di-n-octyl Phthalate	22.255	149	2704492	13.36	ng/uL	99
90) Benzo(b)fluoroanthene	22.727	252	1861739	11.84	ng/uL	96
91) Benzo(k)fluoranthene	22.762	252	2252400	12.68	ng/uL	95
92) Benzo(a)pyrene	23.147	252	1853941	12.51	ng/uL	96
93) Indeno(1,2,3-cd)pyrene	24.861	276	1642481	12.81	ng/uL#	85
94) Dibdenz(a,h)anthracene	24.890	278	1308596	12.49	ng/uL#	87
95) Benzo(g,h,i)Perylene	25.350	276	1385790	12.54	ng/uL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-bs1.D
Acq On : 5 Oct 2014 14:02
Operator : JLB
Sample : 1410325-bs1 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 09:18:11 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

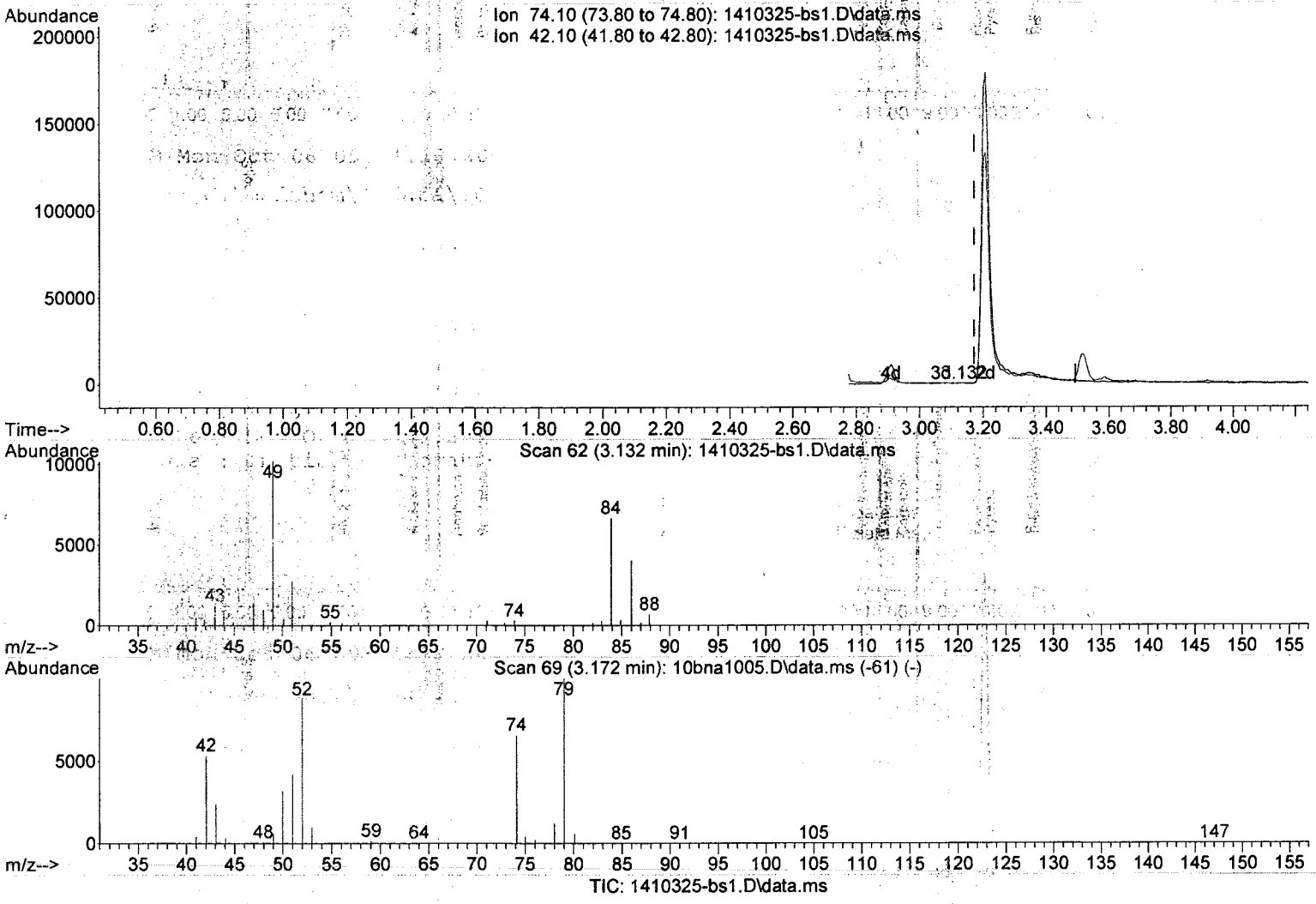
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	349783	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.359	136	1368368	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.474	164	748018	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.901	188	1174453	5.00	ng/uL		0.00
19) Chrysene-d12	21.538	240	943672	5.00	ng/uL	#	0.00
22) Perylene-d12	23.217	264	881604	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.207	74	389145	7.02	ng/uL	#	75
3) Pyridine	3.201	79	559126	5.73	ng/uL		84
4) Aniline	6.973	93	1361114	9.10	ng/uL		95
5) Benzaldehyde	6.780	105	1969	0.03	ng/uL	#	1
6) Acetophenone	8.500	105	13835	0.10	ng/uL	#	1
7) N-Nitroso-di-n-propyla...	8.517	70	693479	10.31	ng/uL		99
9) 4-Chloroaniline	10.575	127	1130475	10.18	ng/uL		98
10) Caprolactam	11.338	55	2669	0.16	ng/uL	#	45
12) 1,1'-Biphenyl	13.151	154	2822	0.01	ng/uL	#	76
13) 2-Nitroaniline	13.442	138	662469	12.50	ng/uL		97
14) 3-Nitroaniline	14.427	138	533487	11.94	ng/uL	#	1
15) 4-Nitroaniline	15.885	138	502105	12.81	ng/uL	#	1
17) N-Nitroso-diphenylamine	16.153	169	1596104	11.67	ng/uL		99
18) Atrazine	17.540	200	62661	1.24	ng/uL	#	25
20) Benzidine	20.035	184	1824247	13.85	ng/uL		97
21) 3,3'-Dichlorobenzidine	21.509	252	1234452	22.76	ng/uL		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-bs1.D
Acq On : 5 Oct 2014 14:02
Operator : JLB
Sample : 1410325-bs1 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 09:31:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1410325-bs1.D\data.ms

(2) N-Nitroso-dimethylamine

3.132min (-0.041) 0.00 ng/uL

response 117

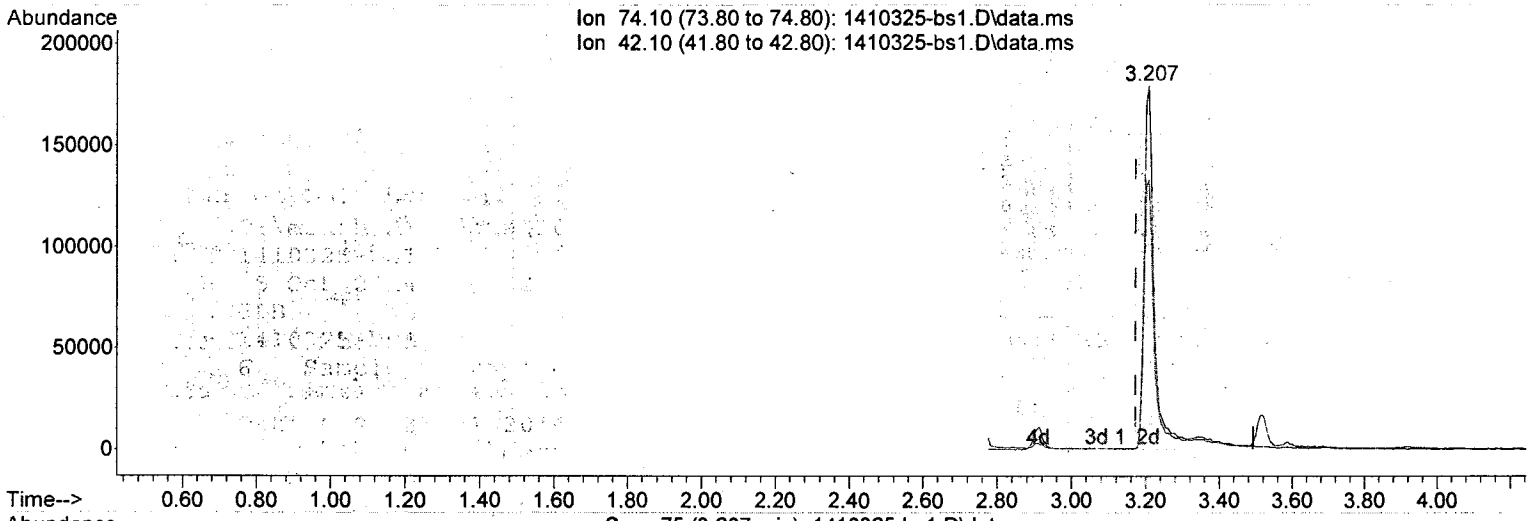
Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	89.74
0.00	0.00	0.00
0.00	0.00	0.00

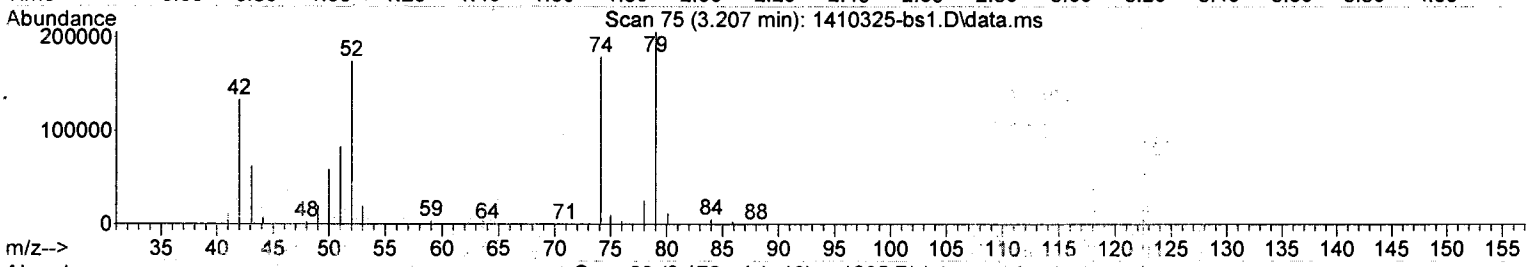
JLB 10/6/14

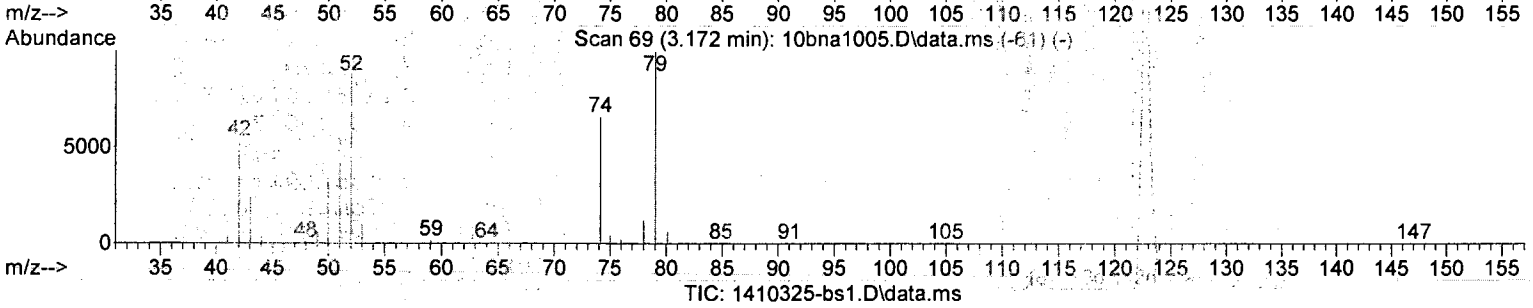
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410325-bs1.D
Acq On : 5 Oct 2014 14:02
Operator : JLB
Sample : 1410325-bs1 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 09:31:21 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1410325-bs1.D\data.ms

(2) N-Nitroso-dimethylamine

3.207min (+ 0.035) 6.58 ng/uL m

response 342684

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	0.03#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/6/14

Reviewed By: ASC Date: 10/9/14

004520

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.4 grams / 1 mL
Sequence: 4J06022

QC Batch: 1410423

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	340	319	94	40 - 123	ug/kg wet
Acenaphthylene	340	312	92	32 - 132	ug/kg wet
Anthracene	340	345	101	47 - 123	ug/kg wet
Benzo(a)anthracene	340	353	104	49 - 126	ug/kg wet
Benzo(a)pyrene	340	364	107	45 - 129	ug/kg wet
Benzo(b)fluoranthene	340	350	103	45 - 132	ug/kg wet
Benzo(k)fluoranthene	340	339	100	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	340	359	106	43 - 134	ug/kg wet
Benzoic Acid	1700	1230	72	0 - 110	ug/kg wet
Benzyl Alcohol	340	205	60	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	340	342	101	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	340	403	118	48 - 132	ug/kg wet
Carbazole	340	378	111	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	340	406	119	45 - 122	ug/kg wet
4-Chloroaniline	340	72.8	21	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	340	276	81	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	340	278	82	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	340	260	76	33 - 131	ug/kg wet
2-Chloronaphthalene	340	331	97	41 - 114	ug/kg wet
2-Chlorophenol	340	216	63	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	340	336	99	45 - 121	ug/kg wet
Chrysene	340	349	103	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	340	385	113	45 - 134	ug/kg wet
Dibenzofuran	340	327	96	44 - 120	ug/kg wet
Di-n-butyl Phthalate	340	379	112	51 - 128	ug/kg wet
1,4-Dichlorobenzene	340	285	84	31 - 115	ug/kg wet
1,2-Dichlorobenzene	340	295	87	33 - 117	ug/kg wet
1,3-Dichlorobenzene	340	293	86	30 - 115	ug/kg wet
3,3´-Dichlorobenzidine	680	ND	*	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.4 grams / 1 mL
Sequence: 4J06022

QC Batch: 1410423

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	340	262	77	40 - 122	ug/kg wet
Diethyl Phthalate	340	354	104	50 - 124	ug/kg wet
2,4-Dimethylphenol	340	231	68	30 - 127	ug/kg wet
Dimethyl Phthalate	340	352	103	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	340	371	109	29 - 132	ug/kg wet
2,4-Dinitrophenol	340	384	113	15 - 130	ug/kg wet
2,6-Dinitrotoluene	340	361	106	46 - 124	ug/kg wet
2,4-Dinitrotoluene	340	378	111	48 - 126	ug/kg wet
Di-n-octyl Phthalate	340	411	121	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	340	343	101	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	340	443	130	51 - 133	ug/kg wet
Fluoranthene	340	344	101	50 - 127	ug/kg wet
Fluorene	340	341	100	43 - 125	ug/kg wet
Hexachlorobenzene	340	320	94	45 - 122	ug/kg wet
Hexachlorobutadiene	340	322	95	32 - 132	ug/kg wet
Hexachloroethane	340	281	83	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	340	383	113	45 - 133	ug/kg wet
Isophorone	340	250	74	30 - 122	ug/kg wet
2-Methylnaphthalene	340	338	99	38 - 122	ug/kg wet
3+4-Methylphenol	340	205	60	34 - 119	ug/kg wet
2-Methylphenol	340	176	52	32 - 122	ug/kg wet
Naphthalene	340	307	90	35 - 123	ug/kg wet
4-Nitroaniline	340	284	83	35 - 115	ug/kg wet
2-Nitroaniline	340	362	106	45 - 120	ug/kg wet
3-Nitroaniline	340	143	42	25 - 110	ug/kg wet
Nitrobenzene	340	288	85	34 - 122	ug/kg wet
2-Nitrophenol	340	291	85	36 - 123	ug/kg wet
4-Nitrophenol	340	415	122	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	340	278	82	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410423-BS1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410423

Sequence: 4J06022

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	340	349	102	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	340	240	71	36 - 120	ug/kg wet
Pentachlorophenol	340	352	104	25 - 133	ug/kg wet
Phenanthrene	340	344	101	50 - 121	ug/kg wet
Phenol	340	179	53	34 - 121	ug/kg wet
Pyrene	340	347	102	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	340	329	97	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	340	367	108	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	340	352	104	39 - 126	ug/kg wet

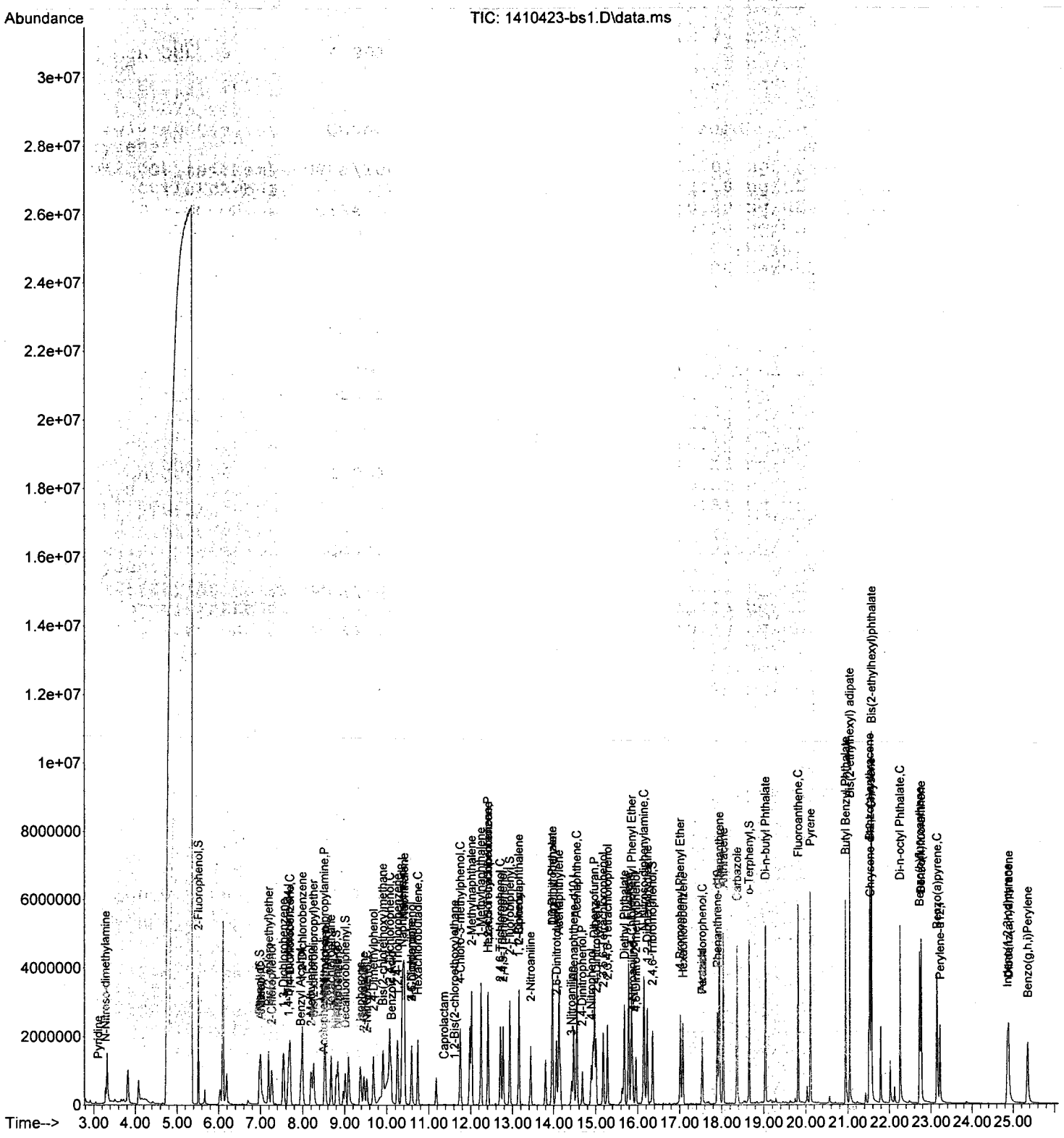
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:36:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:36:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.660	152	450435	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.365	136	1538008	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.474	164	1019840	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.901	188	1654681	5.00	ng/uL	0.00
81) Chrysene-d12	21.538	240	1333084	5.00	ng/uL	# 0.00
89) Perylene-d12	23.217	264	1291150	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.516	112	1407678m	13.68	ng/uL	0.33
6) Phenol-d6	6.979	99	1276753	9.58	ng/uL	0.07
21) Nitrobenzene-d5	8.797	82	755928	7.69	ng/uL	0.01
23) Decafluorobiphenyl	9.013	334	532359	7.72	ng/uL	0.00
47) 2-Fluorobiphenyl	12.935	172	1813151	8.60	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.357	330	422637	16.84	ng/uL	0.00
78) o-Terphenyl	18.659	230	1257970	8.87	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.283	74	543143m	8.16	ng/uL	
3) Pyridine	3.102	79	520	0.00	ng/uL	91
5) Aniline	7.008	93	13445	0.34	ng/uL#	1
7) Phenol	7.002	94	797677	5.27	ng/uL	85
8) Bis(2-chloroethyl)ether	7.194	93	1041990	8.17	ng/uL#	82
9) 2-Chlorophenol	7.264	128	761305	6.34	ng/uL#	71
10) 1,3-Dichlorobenzene	7.544	146	1118949	8.60	ng/uL	98
11) 1,4-Dichlorobenzene	7.695	146	1097690	8.39	ng/uL	97
12) 1,2-Dichlorobenzene	7.993	146	1059120	8.67	ng/uL	97
13) Bis(2-chloroisipropyl)...	8.261	45	1550866	7.65	ng/uL	97
14) Benzyl Alcohol	7.952	108	466231	6.02	ng/uL	82
15) 2-Methylphenol	8.197	108	555619	5.17	ng/uL	92
16) Acetophenone	8.494	105	2012	0.01	ng/uL#	28
17) Hexachloroethane	8.675	119	400922	8.26	ng/uL	97
18) 4-Methylphenol	8.535	108	646234	6.03	ng/uL#	88
19) N-Nitroso-di-n-propyla...	8.517	70	574133	7.07	ng/uL	99
22) Nitrobenzene	8.838	77	910773	8.48	ng/uL#	68
24) Isophorone	9.374	82	1454547	7.36	ng/uL	97
25) 2-Chloroaniline	9.456	127	720138	5.72	ng/uL	97
26) 2-Nitrophenol	9.531	139	436757	8.55	ng/uL#	81
27) 2,4-Dimethylphenol	9.689	107	673682	6.80	ng/uL#	46
28) Bis(2-chlorethoxy)methane	9.910	93	972887	8.11	ng/uL	97
29) 2,4-Dichlorophenol	10.068	162	602295	7.71	ng/uL	99
30) Benzoic Acid	10.108	105	2840804	36.14	ng/uL	95
31) 1,2,4-Trichlorobenzene	10.254	180	860420	9.67	ng/uL	98
32) Naphthalene	10.412	128	2769271	9.02	ng/uL	99
33) 4-Chloroaniline	10.586	127	262145m	ab ~~3.49~~	ng/uL	
34) 2,6-Dichlorophenol	10.592	162	646020	8.33	ng/uL	90
35) Hexachlorobutadiene	10.738	225	459684	9.47	ng/uL	98
36) Caprolactam	11.362	55	5330	0.12	ng/uL#	81
37) 1,2-Bis(2-chloroethoxy...	11.612	63	3078	0.03	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.752	107	1027813	11.94	ng/uL	93
39) 2-Methylnaphthalene	12.026	142	1945413	9.95	ng/uL	98
40) 1-Methylnaphthalene	12.248	142	2011992	11.31	ng/uL	99
41) 1,3 Dinitrobenzene	13.973	168	408350	12.86	ng/uL	100

004525

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:36:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.417	216	788933	8.73	ng/uL	98
44) Hexachlorocyclopentadiene	12.411	237	361453	7.21	ng/uL	98
45) 2,4,6-Trichlorophenol	12.708	196	605697	10.36	ng/uL	95
46) 2,4,5-Trichlorophenol	12.778	196	658933	10.78	ng/uL	95
48) 2-Chloronaphthalene	13.157	162	1922242	9.74	ng/uL	98
49) 1,1'-Biphenyl	13.151	154	3097	0.01	ng/uL	95
50) 2-Nitroaniline	13.442	138	769571	ab ~~11.53~~	ng/uL	96
51) Acenaphthylene	14.130	152	2994756	9.16	ng/uL#	88
52) 2,6-Dinitrotoluene	14.072	165	559397	10.62	ng/uL	92
53) Dimethyl Phthalate	13.973	163	2280105	10.34	ng/uL	99
54) 3-Nitroaniline	14.422	138	257607	ab ~~5.57~~	ng/uL#	1
55) Acenaphthene	14.550	153	2020480	9.39	ng/uL	98
56) 2,4-Dinitrophenol	14.678	184	270864	11.29	ng/uL	90
57) Dibenzofuran	14.970	168	2684351	9.61	ng/uL	97
58) 4-Nitrophenol	14.894	65	506985	12.19	ng/uL	91
59) 2,4-Dinitrotoluene	15.010	165	733851	11.11	ng/uL#	82
60) 2,3,5,6-Tetrachlorophenol	15.179	232	520778	10.36	ng/uL	99
61) 2,3,4,6-Tetrachlorophenol	15.284	232	539833	10.66	ng/uL	98
62) Fluorene	15.786	166	2268364	10.04	ng/uL	97
63) Diethyl Phthalate	15.686	149	2162959	10.41	ng/uL	95
64) 4-Chlorophenyl Phenyl ...	15.861	204	1031038	9.89	ng/uL	94
65) 4-Nitroaniline	15.879	138	460016	ab ~~13.77~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.960	198	426583	10.92	ng/uL	98
68) N-Nitroso-diphenylamine	16.153	169	1875611	10.25	ng/uL	99
69) 1,2-Diphenylhydrazine	16.234	182	667558	10.07	ng/uL#	75
71) 4-Bromophenyl Phenyl E...	17.015	248	562319	10.06	ng/uL	98
72) Hexachlorobenzene	17.080	284	574480	9.40	ng/uL	97
73) Atrazine	17.534	200	70720	1.28	ng/uL#	25
74) Pentachlorophenol	17.540	266	371378	10.36	ng/uL	96
75) Phenanthrene	17.948	178	3241220	10.12	ng/uL	98
76) Anthracene	18.041	178	3134156	10.14	ng/uL	98
77) Carbazole	18.368	167	2965970	11.12	ng/uL	98
79) Di-n-butyl Phthalate	19.044	149	3551168	11.15	ng/uL	99
80) Fluoroanthene	19.819	202	3095002	10.12	ng/uL	96
82) Pyrene	20.110	202	3229593	10.21	ng/uL	97
83) Butyl Benzyl Phthalate	20.944	149	1478291	11.84	ng/uL	90
84) Bis(2-ethylhexyl) adipate	21.043	129	1427663	11.60	ng/uL#	100
85) Benzo(a)anthracene	21.527	228	2525494	10.39	ng/uL	97
86) Chrysene	21.562	228	2436161	10.26	ng/uL#	83
87) Bis(2-ethylhexyl)phtha...	21.573	149	2079453	13.01	ng/uL	92
88) Di-n-octyl Phthalate	22.255	149	3444298	12.08	ng/uL	99
90) Benzo(b)fluoroanthene	22.727	252	2416123	10.30	ng/uL	97
91) Benzo(k)fluoranthene	22.762	252	2637880	9.96	ng/uL	95
92) Benzo(a)pyrene	23.147	252	2365454	10.69	ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.861	276	2155732	11.26	ng/uL#	84
94) Dibdenz(a,h)anthracene	24.890	278	1769477	11.32	ng/uL#	86
95) Benzo(g,h,i)Perylene	25.356	276	1739947	10.55	ng/uL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:20:00 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

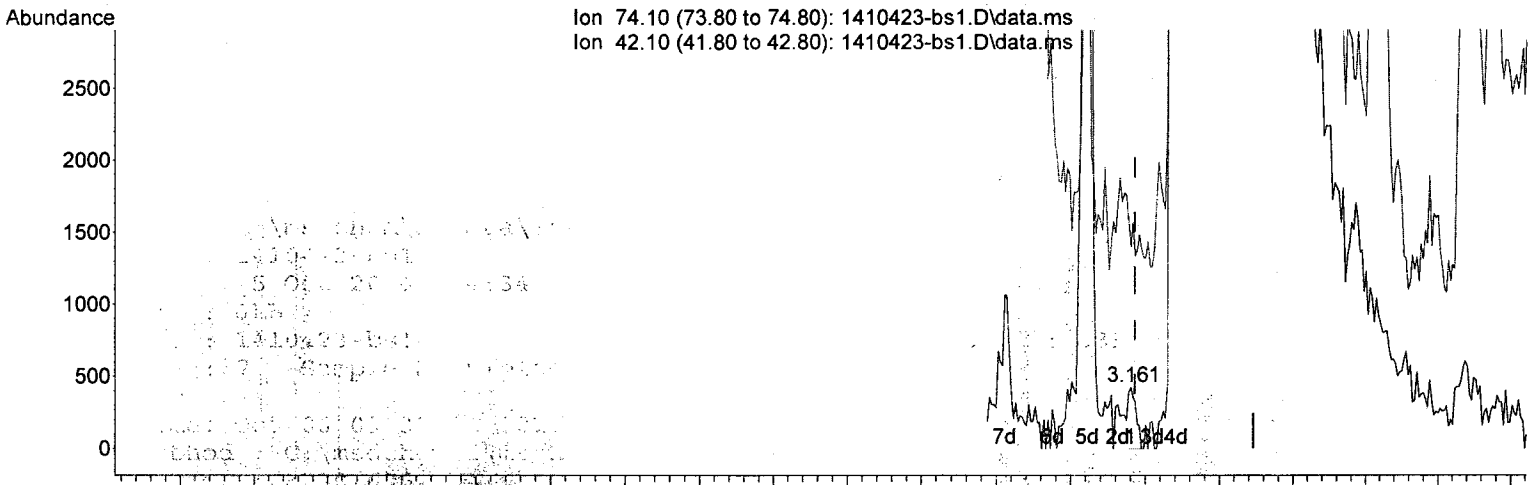
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.660	152	440042	5.00	ng/uL	#	0.05
8) Naphthalene-d8	10.365	136	1538008	5.00	ng/uL		0.01
11) Acenaphthene-d10	14.474	164	1019840	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.901	188	1654946	5.00	ng/uL		0.00
19) Chrysene-d12	21.538	240	1333084	5.00	ng/uL	#	0.00
22) Perylene-d12	23.217	264	1310097	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.219	74	188	0.00	ng/uL	#	1
3) Pyridine	3.102	79	520	0.00	ng/uL		91
4) Aniline	7.048	93	284539m	1.51	ng/uL		
5) Benzaldehyde	6.763	105	2322	0.02	ng/uL	#	75
6) Acetophenone	8.494	105	2012	0.01	ng/uL	#	28
7) N-Nitroso-di-n-propyla...	8.517	70	566660	6.70	ng/uL		100
9) 4-Chloroaniline	10.586	127	265739m	2.14	ng/uL		
10) Caprolactam	11.315	55	154	0.10	ng/uL	#	46
12) 1,1'-Biphenyl	13.151	154	3097	0.01	ng/uL		95
13) 2-Nitroaniline	13.442	138	769571	10.65	ng/uL		96
14) 3-Nitroaniline	14.422	138	257607	4.20	ng/uL	#	1
15) 4-Nitroaniline	15.879	138	446960	8.35	ng/uL	#	1
17) N-Nitroso-diphenylamine	16.153	169	1876350	9.74	ng/uL		99
18) Atrazine	17.470	200	208	Below Cal			94
20) Benzidine	20.029	184	279287	1.87	ng/uL		97
21) 3,3'-Dichlorobenzidine	21.503	252	468434	6.11	ng/uL		99

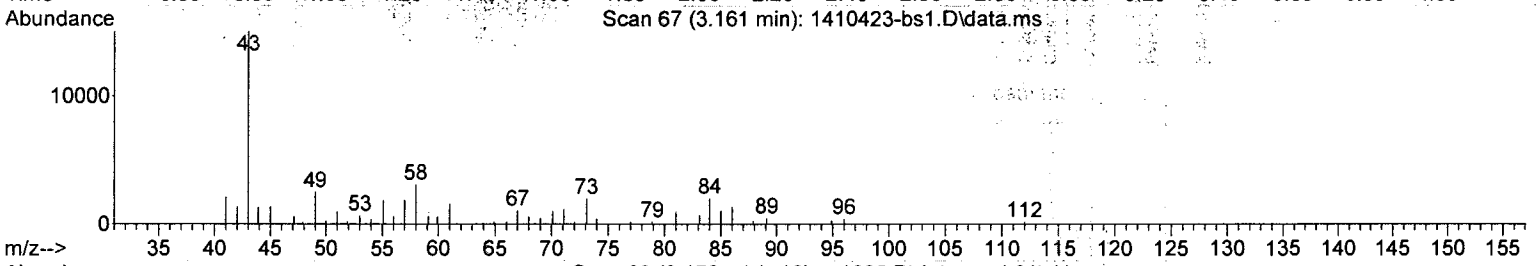
(#) = qualifier out of range (m) = manual integration (+) = signals summed

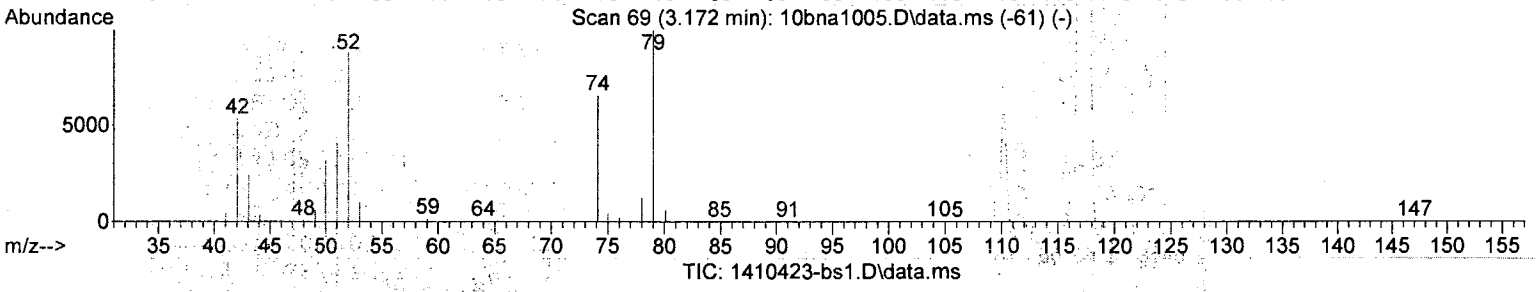
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:35:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1410423-bs1.D\data.ms

(2) N-Nitroso-dimethylamine

3.161min (-0.012) 0.01 ng/uL

response 640

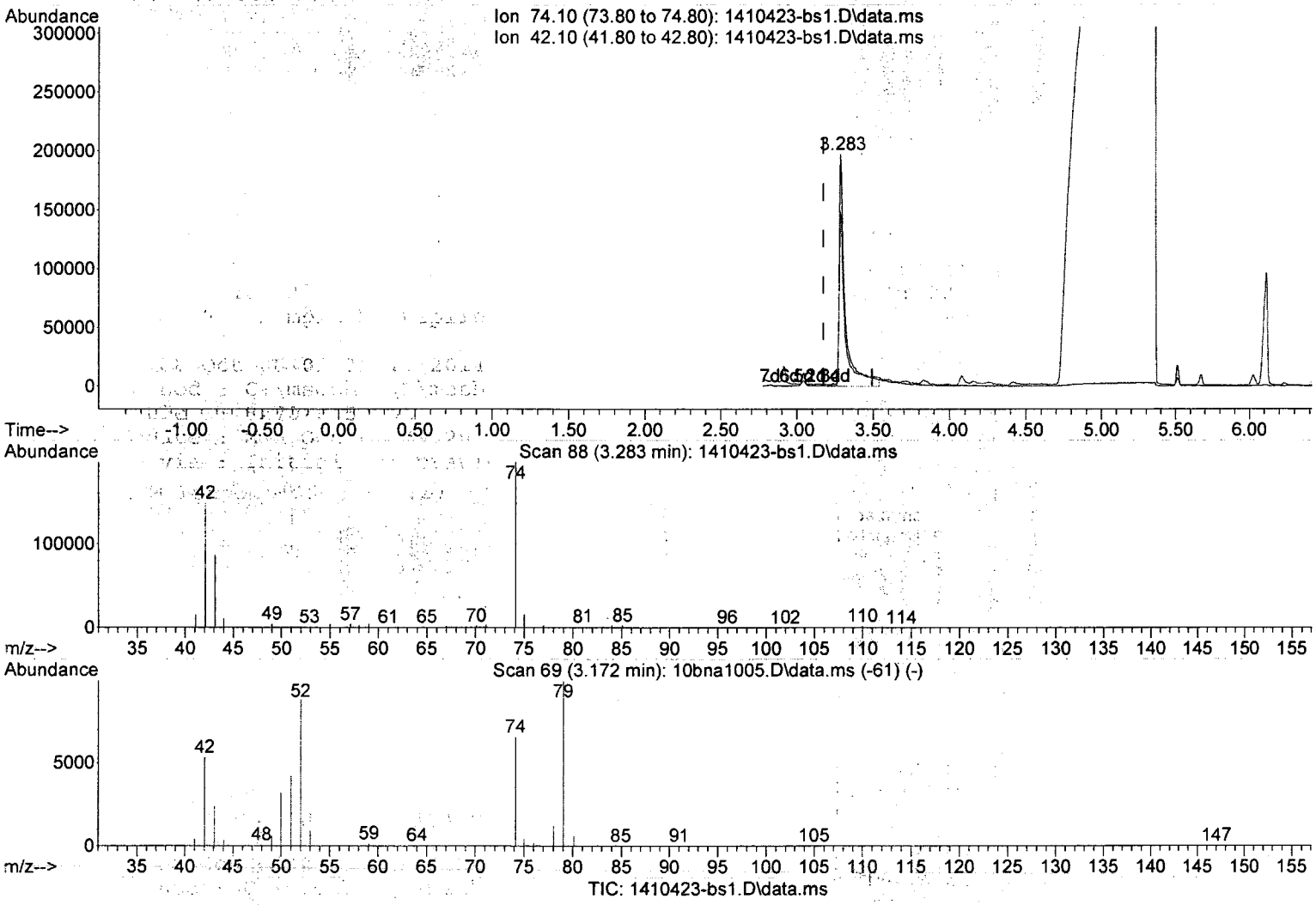
Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

JW 10/6/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:35:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1410423-bs1.D\data.ms

(2) N-Nitroso-dimethylamine

3.283min (+ 0.111) 8.16 ng/uL m

response 543143

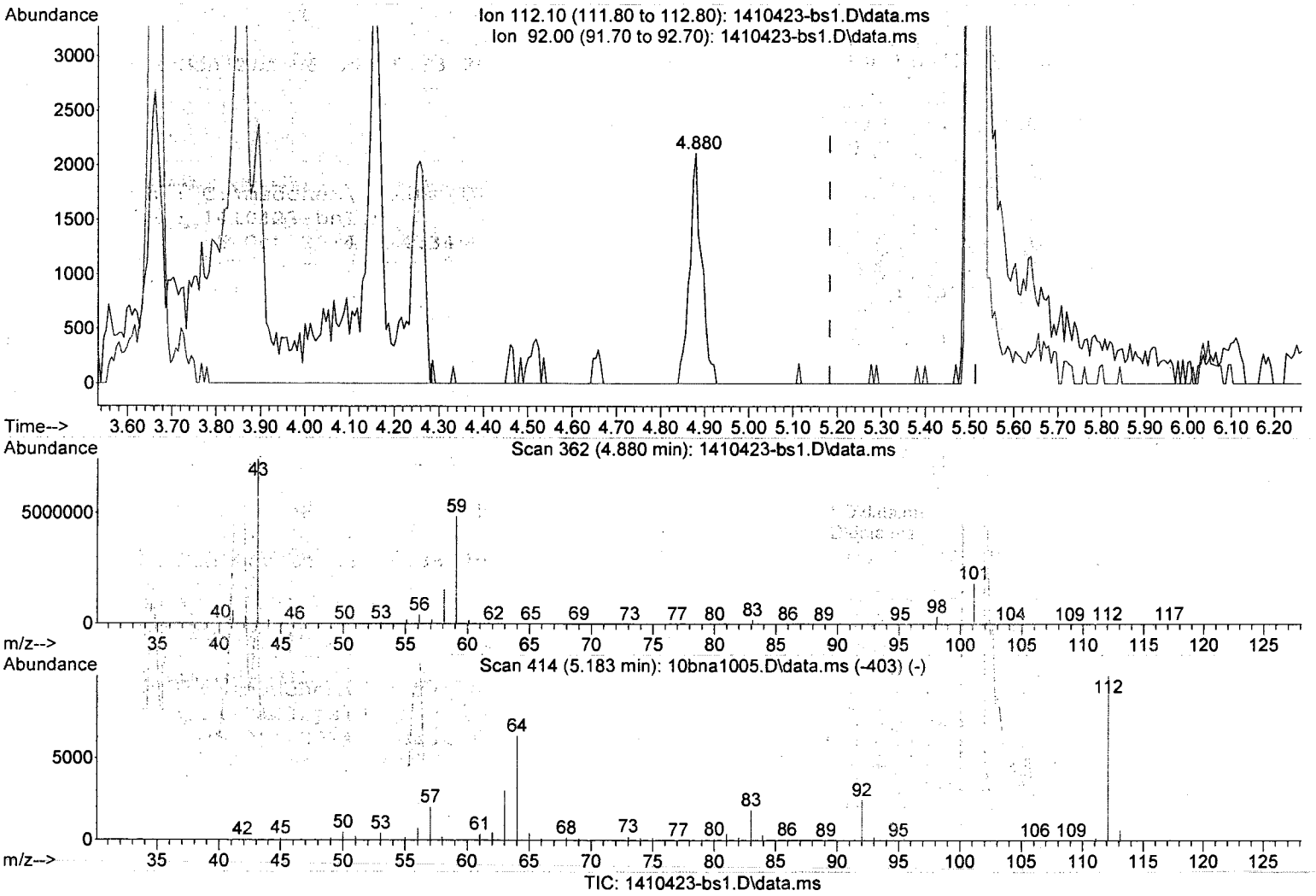
Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes / No)
Analyst: JLB Date: 10/6/14
Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:35:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1410423-bs1.D\data.ms

(4) 2-Fluorophenol (S)

4.880min (-0.303) 0.04 ng/uL

response 4053

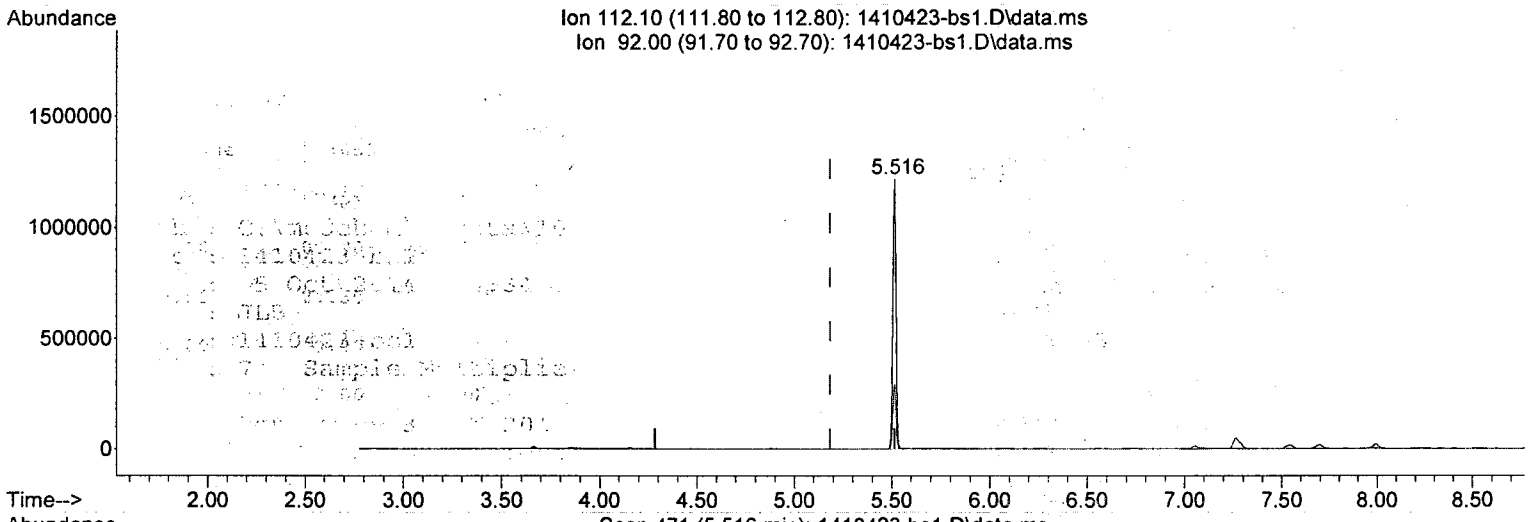
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

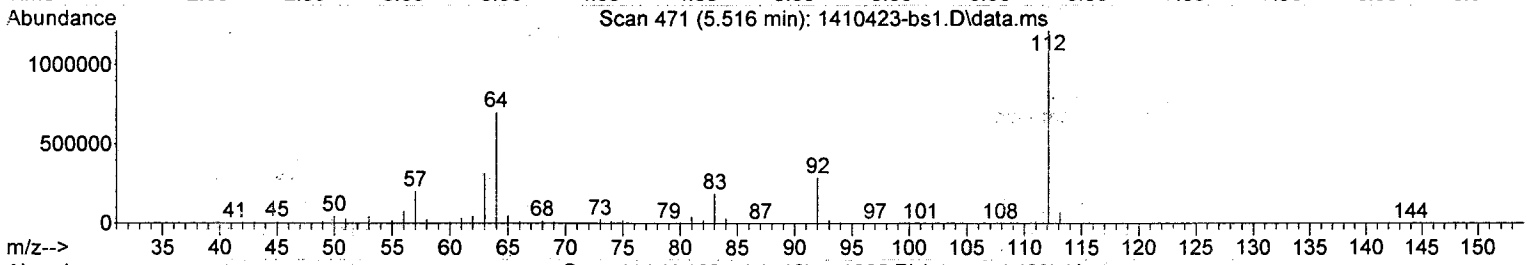
Jub 10/6/14

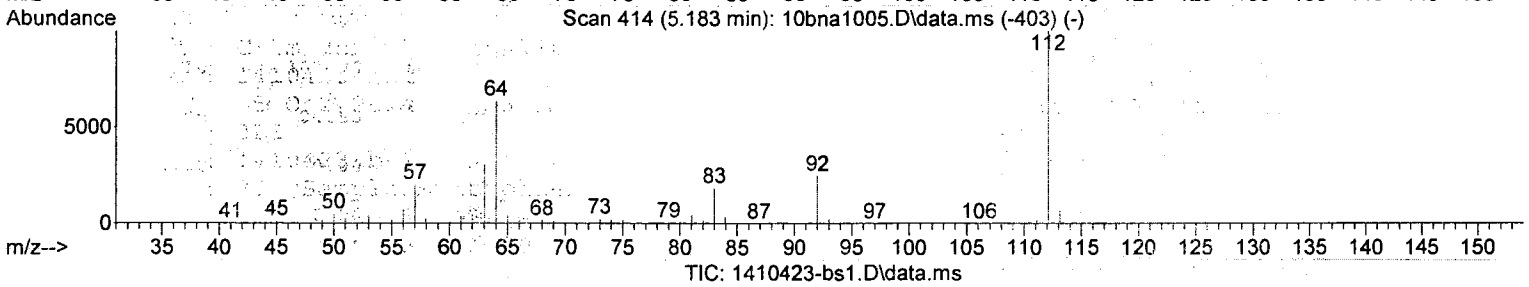
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:35:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1410423-bs1.D\data.ms

(4) 2-Fluorophenol (S)

5.516min (+ 0.332) 13.68 ng/uL m

response 1407678

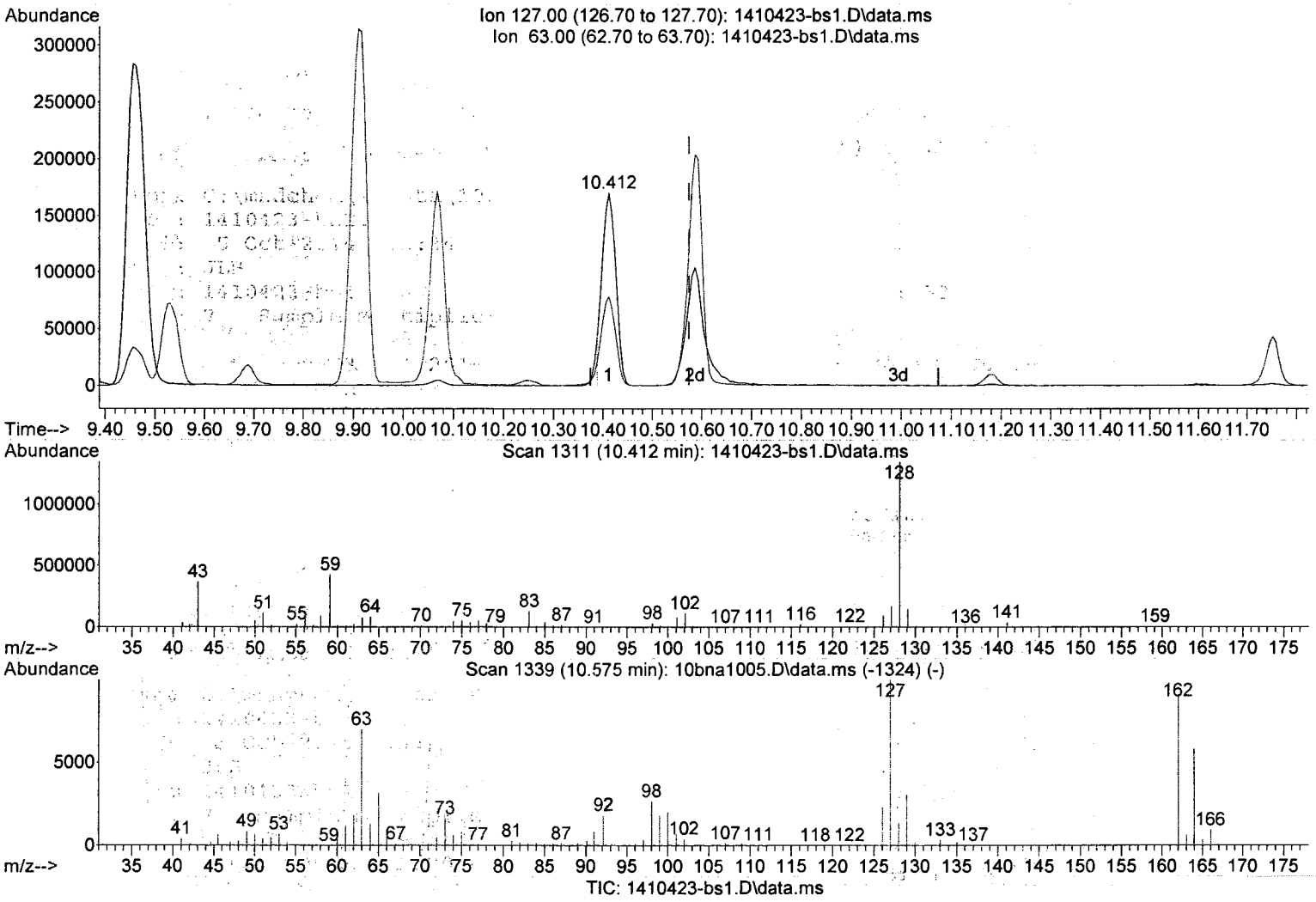
Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: WD Date: 10/6/14
Reviewed By: ASC Date: 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:35:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1410423-bs1.D\data.ms

(33) 4-Chloroaniline

10.412min (-0.163) 4.27 ng/uL

response 321040

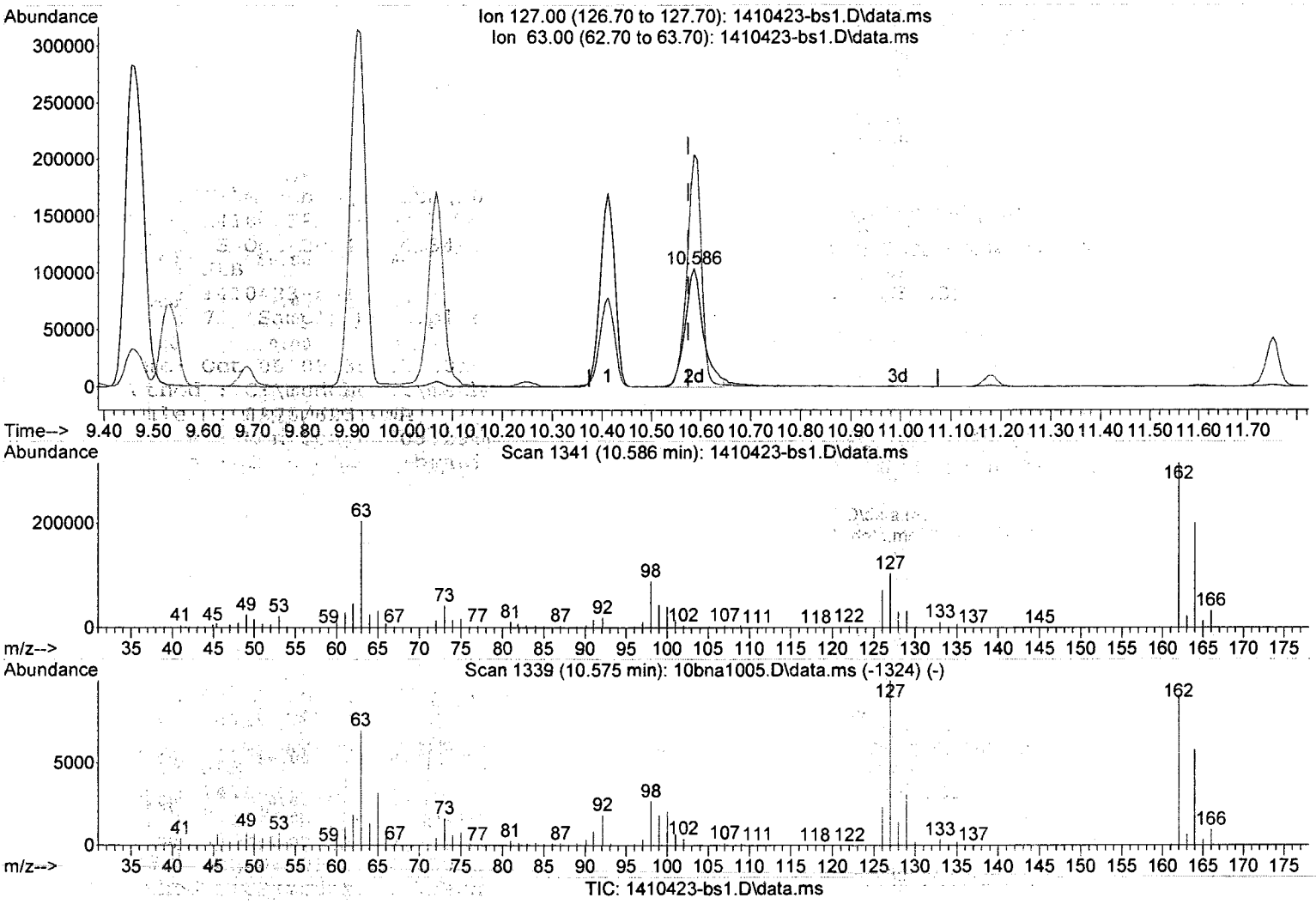
Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	45.86
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/6/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:35:11 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1410423-bs1.D\data.ms

(33) 4-Chloroaniline

10.586min (+ 0.012) 3.49 ng/uL m

response 262145

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	56.17
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/6/14

Reviewed By: HSC Date: 10/9/14

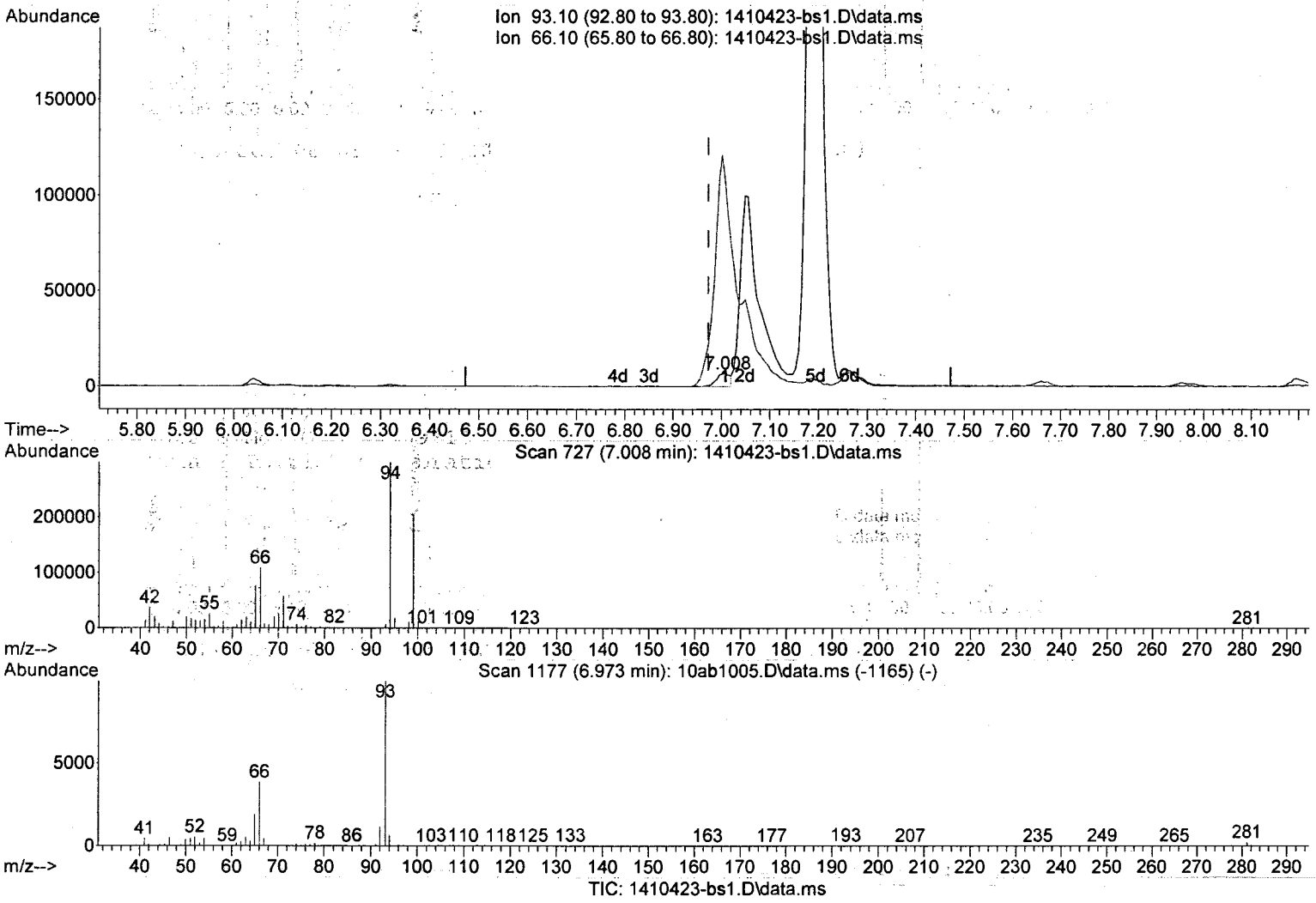
NR - use abc

004533

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:19:29 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration



TIC: 1410423-bs1.D\data.ms

(4) Aniline

7.008min (+ 0.035) 0.07 ng/uL

response 13445

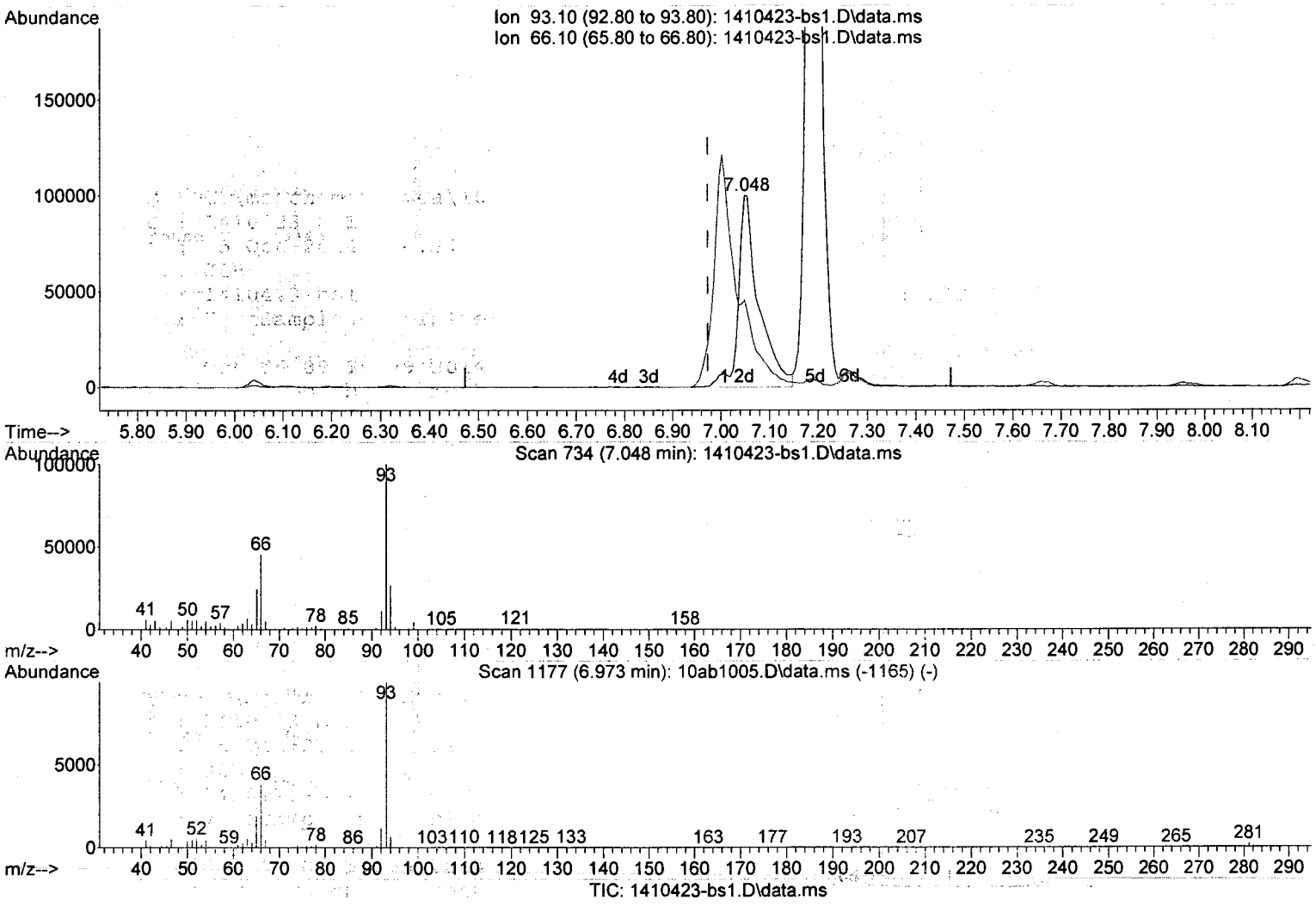
Ion	Exp%	Act%
93.10	100.00	100.00
66.10	42.90	3099.66#
0.00	0.00	0.00
0.00	0.00	0.00

JJS 10/6/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:19:29 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration



(4) Aniline

7.048min (+ 0.076) 1.51 ng/uL m

response 284539

Ion	Exp%	Act%
93.10	100.00	100.00
66.10	42.90	146.46#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: Date: 10/6/14
Reviewed By: Date: 10/9/14

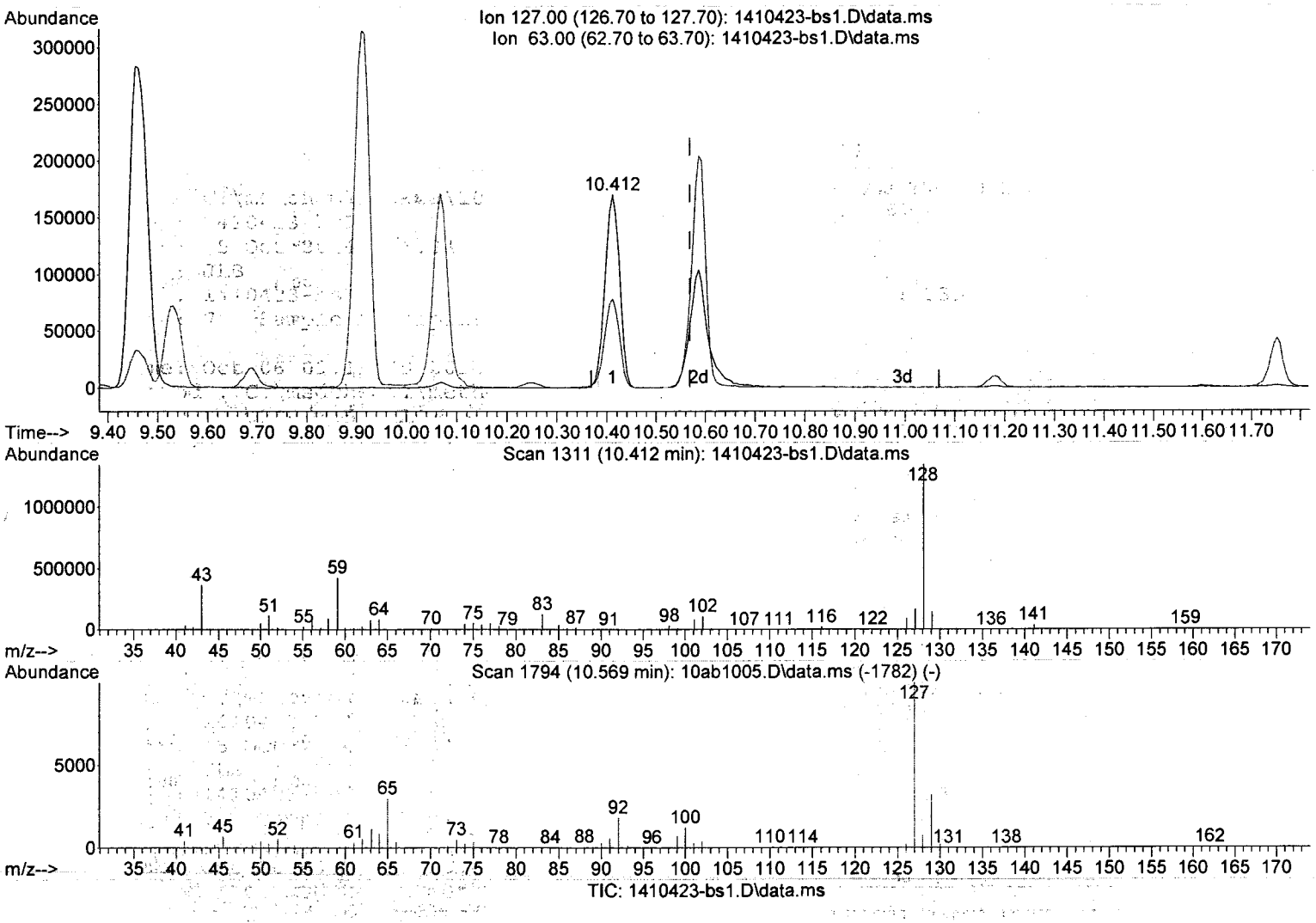
NR

004535

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:19:29 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration



(9) 4-Chloroaniline

10.412min (-0.157) 2.70 ng/uL

response 336279

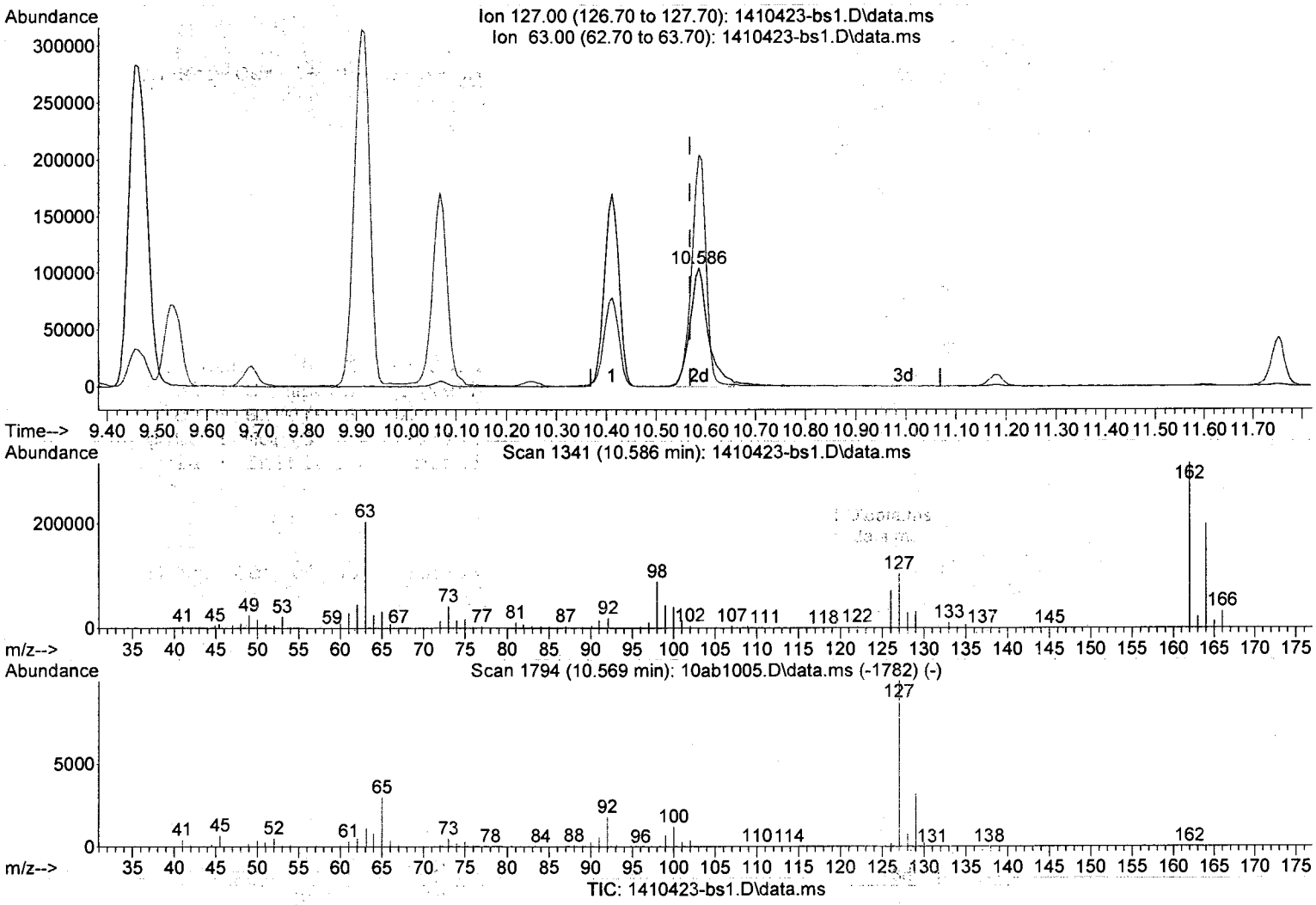
Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	45.99
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/6/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-bs1.D
Acq On : 5 Oct 2014 14:34
Operator : JLB
Sample : 1410423-bs1 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 09:19:29 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration



(9) 4-Chloroaniline

10.586min (+ 0.018) 2.14 ng/uL m

response 265739

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	58.20
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 10/6/14

Reviewed By: ASC Date: 10/9/14

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 28.6 grams / 1 mL
Sequence: 4J08017

QC Batch: 1410423

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	350	281	80	40 - 123	ug/kg wet
Acenaphthylene	350	274	78	32 - 132	ug/kg wet
Anthracene	350	300	86	47 - 123	ug/kg wet
Benzo(a)anthracene	350	297	85	49 - 126	ug/kg wet
Benzo(a)pyrene	350	310	89	45 - 129	ug/kg wet
Benzo(b)fluoranthene	350	294	84	45 - 132	ug/kg wet
Benzo(k)fluoranthene	350	286	82	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	350	360	103	43 - 134	ug/kg wet
Benzoic Acid	1750	1020	58	0 - 110	ug/kg wet
Benzyl Alcohol	350	271	78	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	350	291	83	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	350	336	96	48 - 132	ug/kg wet
Carbazole	350	321	92	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	350	280	80	45 - 122	ug/kg wet
4-Chloroaniline	350	129	37	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	350	271	77	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	350	271	77	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	350	249	71	33 - 131	ug/kg wet
2-Chloronaphthalene	350	292	83	41 - 114	ug/kg wet
2-Chlorophenol	350	279	80	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	350	298	85	45 - 121	ug/kg wet
Chrysene	350	297	85	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	350	375	107	45 - 134	ug/kg wet
Dibenzofuran	350	288	82	44 - 120	ug/kg wet
Di-n-butyl Phthalate	350	338	97	51 - 128	ug/kg wet
1,4-Dichlorobenzene	350	277	79	31 - 115	ug/kg wet
1,2-Dichlorobenzene	350	288	82	33 - 117	ug/kg wet
1,3-Dichlorobenzene	350	276	79	30 - 115	ug/kg wet
3,3´-Dichlorobenzidine	699	325	46	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 28.6 grams / 1 mL
Sequence: 4J08017

QC Batch: 1410423

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	350	265	76	40 - 122	ug/kg wet
Diethyl Phthalate	350	309	88	50 - 124	ug/kg wet
2,4-Dimethylphenol	350	248	71	30 - 127	ug/kg wet
Dimethyl Phthalate	350	302	86	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	350	316	91	29 - 132	ug/kg wet
2,4-Dinitrophenol	350	353	101	15 - 130	ug/kg wet
2,6-Dinitrotoluene	350	303	87	46 - 124	ug/kg wet
2,4-Dinitrotoluene	350	326	93	48 - 126	ug/kg wet
Di-n-octyl Phthalate	350	333	95	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	350	281	80	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	350	342	98	51 - 133	ug/kg wet
Fluoranthene	350	301	86	50 - 127	ug/kg wet
Fluorene	350	295	84	43 - 125	ug/kg wet
Hexachlorobenzene	350	281	80	45 - 122	ug/kg wet
Hexachlorobutadiene	350	284	81	32 - 132	ug/kg wet
Hexachloroethane	350	269	77	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	350	366	105	45 - 133	ug/kg wet
Isophorone	350	222	63	30 - 122	ug/kg wet
2-Methylnaphthalene	350	282	81	38 - 122	ug/kg wet
3+4-Methylphenol	350	263	75	34 - 119	ug/kg wet
2-Methylphenol	350	258	74	32 - 122	ug/kg wet
Naphthalene	350	285	82	35 - 123	ug/kg wet
4-Nitroaniline	350	266	76	35 - 115	ug/kg wet
2-Nitroaniline	350	282	81	45 - 120	ug/kg wet
3-Nitroaniline	350	151	43	25 - 110	ug/kg wet
Nitrobenzene	350	279	80	34 - 122	ug/kg wet
2-Nitrophenol	350	301	86	36 - 123	ug/kg wet
4-Nitrophenol	350	363	104	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	350	260	74	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410423

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410423-BS2

Preparation: 3550C Sonication Extraction

Initial/Final: 28.6 grams / 1 mL

Sequence: 4J08017

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	350	288	82	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	350	277	79	36 - 120	ug/kg wet
Pentachlorophenol	350	317	91	25 - 133	ug/kg wet
Phenanthrene	350	288	82	50 - 121	ug/kg wet
Phenol	350	279	80	34 - 121	ug/kg wet
Pyrene	350	289	83	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	350	283	81	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	350	295	84	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	350	283	81	39 - 126	ug/kg wet

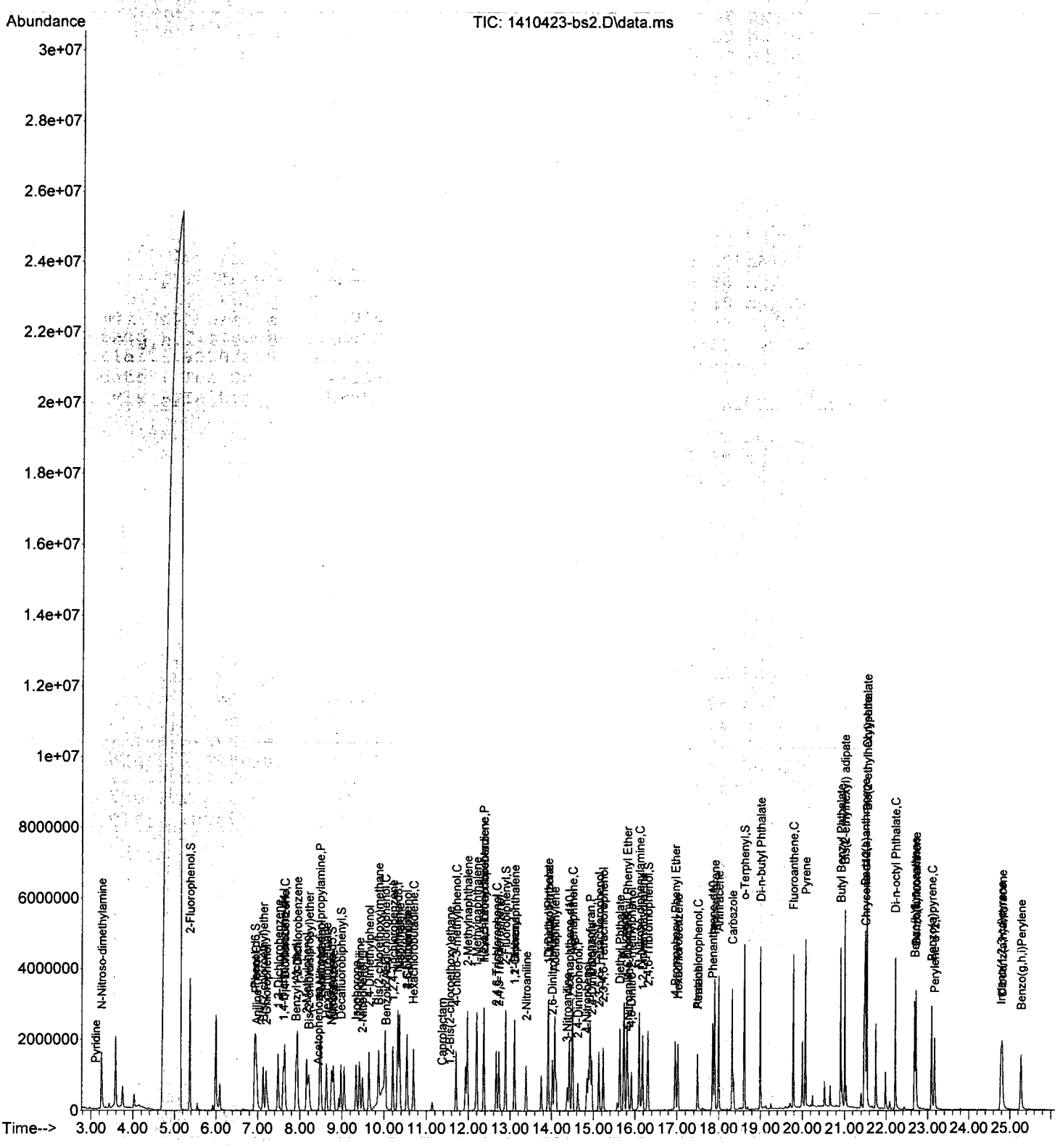
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-bs2.D
Acq On : 7 Oct 2014 11:13
Operator : JLB
Sample : 1410423-bs2 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 14:25:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-bs2.D
Acq On : 7 Oct 2014 11:13
Operator : JLB
Sample : 1410423-bs2 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 14:25:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	376407	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.318	136	1432758	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.427	164	835039	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.855	188	1422666	5.00	ng/uL	0.00
81) Chrysene-d12	21.503	240	1211184	5.00	ng/uL	# 0.00
89) Perylene-d12	23.165	264	1119604	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.370	112	1478096	17.19	ng/uL	0.21
6) Phenol-d6	6.932	99	1961399	17.62	ng/uL	0.05
21) Nitrobenzene-d5	8.750	82	823859	9.00	ng/uL	0.00
23) Decafluorobiphenyl	8.972	334	605434	9.43	ng/uL	0.00
47) 2-Fluorobiphenyl	12.889	172	1578660	9.15	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.310	330	421233	19.52	ng/uL	0.00
78) o-Terphenyl	18.618	230	1203667	9.87	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.254	74	413667	7.44	ng/uL	84
3) Pyridine	3.114	79	471	0.00	ng/uL	89
5) Aniline	6.978	93	622615	6.84	ng/uL#	1
7) Phenol	6.955	94	1011106	7.99	ng/uL	94
8) Bis(2-chloroethyl)ether	7.130	93	825085	7.74	ng/uL	85
9) 2-Chlorophenol	7.200	128	800930	7.98	ng/uL#	36
10) 1,3-Dichlorobenzene	7.486	146	857471	7.88	ng/uL	97
11) 1,4-Dichlorobenzene	7.637	146	864295	7.91	ng/uL	95
12) 1,2-Dichlorobenzene	7.934	146	841961	8.25	ng/uL	94
13) Bis(2-chloroisipropyl)...	8.214	45	1204422	7.11	ng/uL	100
14) Benzyl Alcohol	7.905	108	502169	7.76	ng/uL	87
15) 2-Methylphenol	8.156	108	664554	7.39	ng/uL	97
16) Acetophenone	8.436	105	788	0.01	ng/uL#	27
17) Hexachloroethane	8.628	119	312075	7.69	ng/uL	97
18) 4-Methylphenol	8.494	108	673680	7.52	ng/uL	89
19) N-Nitroso-di-n-propyla...	8.476	70	536582	7.91	ng/uL	100
22) Nitrobenzene	8.791	77	798193	7.98	ng/uL#	54
24) Isophorone	9.333	82	1166629	6.34	ng/uL	97
25) 2-Chloroaniline	9.415	127	885550	7.55	ng/uL	100
26) 2-Nitrophenol	9.491	139	409468	8.60	ng/uL#	86
27) 2,4-Dimethylphenol	9.642	107	655320	7.10	ng/uL#	56
28) Bis(2-chlorethoxy)methane	9.869	93	864231	7.74	ng/uL	96
29) 2,4-Dichlorophenol	10.027	162	551030	7.57	ng/uL	100
30) Benzoic Acid	10.044	105	2093196	29.10	ng/uL	96
31) 1,2,4-Trichlorobenzene	10.208	180	669619	8.08	ng/uL	99
32) Naphthalene	10.365	128	2333761	8.16	ng/uL	100
33) 4-Chloroaniline	10.540	127	434066	6.20	ng/uL#	37
34) 2,6-Dichlorophenol	10.540	162	566937	7.85	ng/uL	95
35) Hexachlorobutadiene	10.691	225	367415	8.12	ng/uL	99
36) Caprolactam	11.373	55	3132	0.08	ng/uL#	25
37) 1,2-Bis(2-chloroethoxy...	11.560	63	1518	0.02	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.705	107	641342	8.00	ng/uL	93
39) 2-Methylnaphthalene	11.979	142	1467839	8.06	ng/uL	99
40) 1-Methylnaphthalene	12.201	142	1427525	8.61	ng/uL	99
41) 1,3 Dinitrobenzene	13.926	168	259971	8.75	ng/uL	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-bs2.D
Acq On : 7 Oct 2014 11:13
Operator : JLB
Sample : 1410423-bs2 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 14:25:06 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 14:23:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.370	216	595337	8.05	ng/uL	98
44) Hexachlorocyclopentadiene	12.370	237	294021	7.16	ng/uL	98
45) 2,4,6-Trichlorophenol	12.667	196	387300	8.09	ng/uL	93
46) 2,4,5-Trichlorophenol	12.731	196	421977	8.43	ng/uL	93
48) 2-Chloronaphthalene	13.110	162	1348264	8.34	ng/uL	100
49) 1,1'-Biphenyl	13.104	154	1749	0.01	ng/uL#	79
50) 2-Nitroaniline	13.396	138	477300	ab ~~8.74~~	ng/uL	99
51) Acenaphthylene	14.078	152	2094890	7.83	ng/uL#	78
52) 2,6-Dinitrotoluene	14.019	165	374204	8.68	ng/uL	95
53) Dimethyl Phthalate	13.920	163	1562805	8.65	ng/uL	99
54) 3-Nitroaniline	14.375	138	216610	ab ~~5.72~~	ng/uL#	1
55) Acenaphthene	14.503	153	1414820	8.03	ng/uL	98
56) 2,4-Dinitrophenol	14.631	184	190478	10.09	ng/uL	97
57) Dibenzofuran	14.923	168	1887030	8.25	ng/uL	100
58) 4-Nitrophenol	14.847	65	353810	10.39	ng/uL	91
59) 2,4-Dinitrotoluene	14.964	165	504049	9.32	ng/uL#	84
60) 2,3,5,6-Tetrachlorophenol	15.133	232	371440	9.02	ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.232	232	372359	8.98	ng/uL	95
62) Fluorene	15.739	166	1562450	8.45	ng/uL	97
63) Diethyl Phthalate	15.634	149	1503537	8.83	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.809	204	726289	8.51	ng/uL	92
65) 4-Nitroaniline	15.832	138	344365	ab ~~12.59~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.914	198	297599	9.05	ng/uL	97
68) N-Nitroso-diphenylamine	16.106	169	1297506	8.25	ng/uL	99
69) 1,2-Diphenylhydrazine	16.182	182	459139	8.05	ng/uL	78
71) 4-Bromophenyl Phenyl E...	16.963	248	400172	8.33	ng/uL	98
72) Hexachlorobenzene	17.027	284	421738	8.03	ng/uL	97
73) Atrazine	17.493	200	55907	1.18	ng/uL#	25
74) Pentachlorophenol	17.493	266	279064	9.06	ng/uL	98
75) Phenanthrene	17.901	178	2266207	8.23	ng/uL	99
76) Anthracene	18.000	178	2282038	8.58	ng/uL	100
77) Carbazole	18.327	167	2107258	9.19	ng/uL	99
79) Di-n-butyl Phthalate	19.003	149	2647936	9.67	ng/uL	99
80) Fluoroanthene	19.784	202	2266158	8.62	ng/uL#	92
82) Pyrene	20.075	202	2376504	8.27	ng/uL	98
83) Butyl Benzyl Phthalate	20.909	149	1090977	9.62	ng/uL	86
84) Bis(2-ethylhexyl) adipate	21.008	129	962678	8.63	ng/uL#	100
85) Benzo(a)anthracene	21.492	228	1873301	8.49	ng/uL	98
86) Chrysene	21.533	228	1829876	8.48	ng/uL#	90
87) Bis(2-ethylhexyl)phtha...	21.538	149	1422279	9.79	ng/uL	94
88) Di-n-octyl Phthalate	22.214	149	2445229	9.51	ng/uL	100
90) Benzo(b)fluoroanthene	22.687	252	1713363	8.42	ng/uL	99
91) Benzo(k)fluoranthene	22.716	252	1877182	8.17	ng/uL	99
92) Benzo(a)pyrene	23.095	252	1699178	8.86	ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.785	276	1739061	10.48	ng/uL	91
94) Dibdenz(a,h)anthracene	24.814	278	1453159	10.72	ng/uL	94
95) Benzo(g,h,i)Perylene	25.275	276	1473935	10.31	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-bs2.D
Acq On : 7 Oct 2014 11:13
Operator : JLB
Sample : 1410423-bs2 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 11:41:16 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration

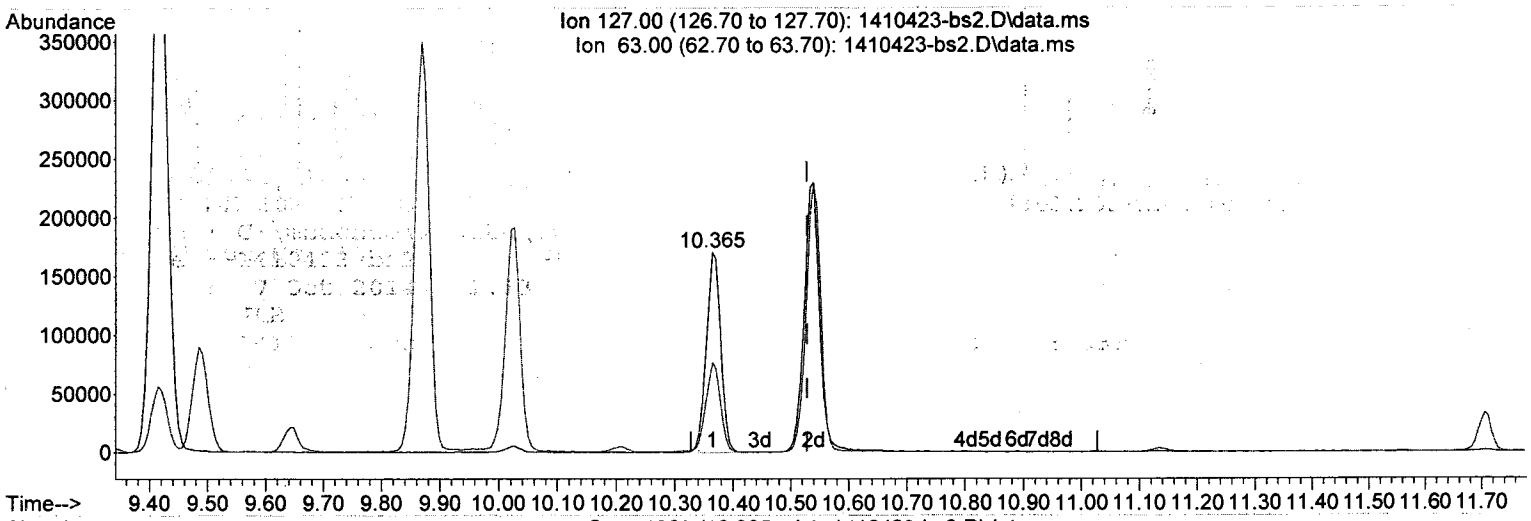
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	373556	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.318	136	1432758	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.427	164	835039	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.855	188	1422666	5.00	ng/uL		0.00
19) Chrysene-d12	21.503	240	1211184	5.00	ng/uL	#	0.00
22) Perylene-d12	23.165	264	1136696	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.254	74	431521	7.29	ng/uL		85
3) Pyridine	3.114	79	471	0.00	ng/uL		89
4) Aniline	6.978	93	622615	3.90	ng/uL#		1
5) Benzaldehyde	6.716	105	178	0.00	ng/uL#		1
6) Acetophenone	8.436	105	788	0.01	ng/uL#		27
7) N-Nitroso-di-n-propyla...	8.476	70	536582	7.47	ng/uL		100
9) 4-Chloroaniline	10.540	127	427870m	3.69	ng/uL		
10) Caprolactam	11.309	55	1142	0.12	ng/uL#		56
12) 1,1'-Biphenyl	13.104	154	1749	0.01	ng/uL#		79
13) 2-Nitroaniline	13.396	138	477300	8.07	ng/uL		99
14) 3-Nitroaniline	14.375	138	216610	4.31	ng/uL#		1
15) 4-Nitroaniline	15.832	138	334188	7.62	ng/uL#		1
17) N-Nitroso-diphenylamine	16.106	169	1298387	7.84	ng/uL		99
18) Atrazine	17.493	200	57371	0.88	ng/uL#		25
20) Benzidine	20.000	184	949876	5.86	ng/uL		96
21) 3,3'-Dichlorobenzidine	21.474	252	647301	9.30	ng/uL		99

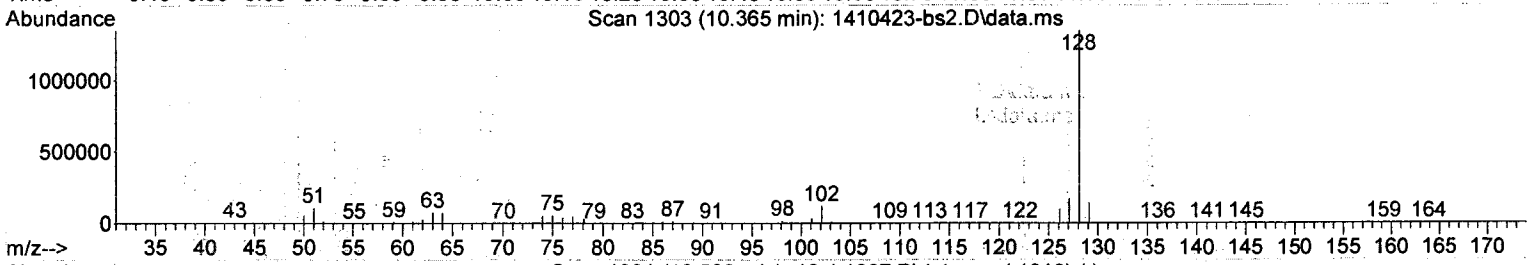
(#) = qualifier out of range (m) = manual integration (+) = signals summed

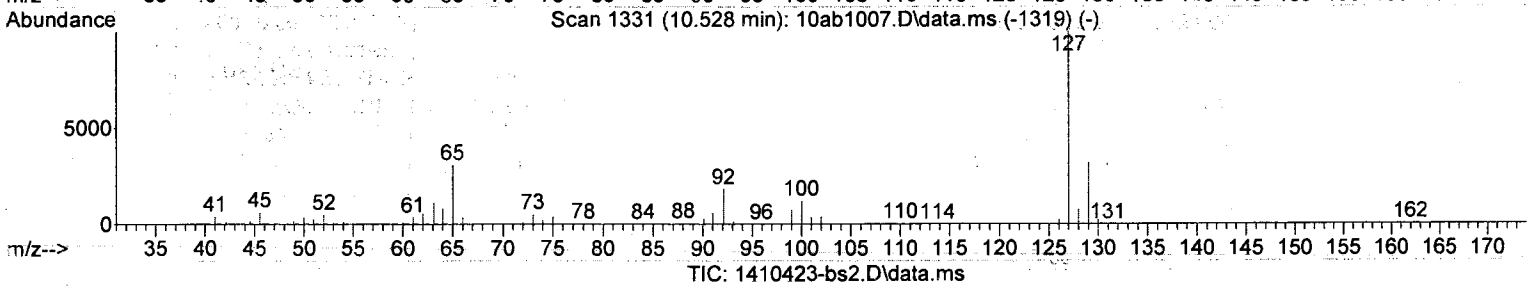
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-bs2.D
Acq On : 7 Oct 2014 11:13
Operator : JLB
Sample : 1410423-bs2 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 11:40:49 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration







TIC: 1410423-bs2.D\data.ms

(9) 4-Chloroaniline

10.365min (-0.163) 2.47 ng/uL

response 286510

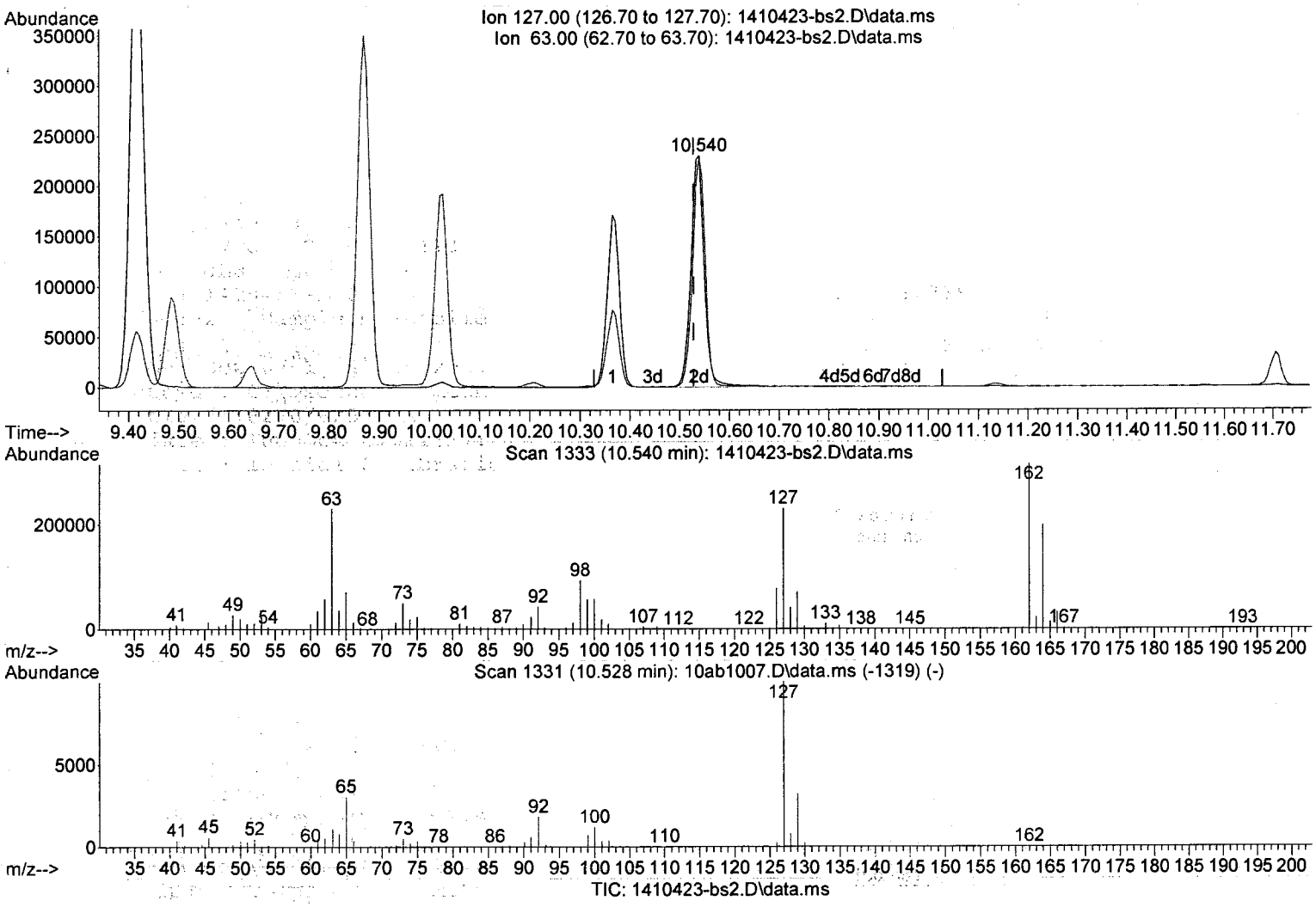
Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	44.73
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/8/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100714_339\
Data File : 1410423-bs2.D
Acq On : 7 Oct 2014 11:13
Operator : JLB
Sample : 1410423-bs2 Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 11:40:49 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 11:37:45 2014
Response via : Initial Calibration



TIC: 1410423-bs2.D\data.ms

(9) 4-Chloroaniline

10.540min (+ 0.012) 3.69 ng/uL m

response 427870

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	29.95#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/8/14
Reviewed By: ASC Date: 10/9/14

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410496-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.3 grams / 1 mL

QC Batch: 1410496
Sequence: 4J08051

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	341	321	94	40 - 123	ug/kg wet
Acenaphthylene	341	305	89	32 - 132	ug/kg wet
Anthracene	341	347	102	47 - 123	ug/kg wet
Benzo(a)anthracene	341	369	108	49 - 126	ug/kg wet
Benzo(a)pyrene	341	376	110	45 - 129	ug/kg wet
Benzo(b)fluoranthene	341	389	114	45 - 132	ug/kg wet
Benzo(k)fluoranthene	341	333	98	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	341	419	123	43 - 134	ug/kg wet
Benzoic Acid	1710	858	50	0 - 110	ug/kg wet
Benzyl Alcohol	341	329	96	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	341	352	103	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	341	415	122	48 - 132	ug/kg wet
Carbazole	341	366	107	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	341	308	90	45 - 122	ug/kg wet
4-Chloroaniline	341	80.5	24	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	341	321	94	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	341	274	80	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	341	261	77	33 - 131	ug/kg wet
2-Chloronaphthalene	341	339	99	41 - 114	ug/kg wet
2-Chlorophenol	341	313	92	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	341	342	100	45 - 121	ug/kg wet
Chrysene	341	346	101	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	341	432	127	45 - 134	ug/kg wet
Dibenzofuran	341	324	95	44 - 120	ug/kg wet
Di-n-butyl Phthalate	341	420	123	51 - 128	ug/kg wet
1,4-Dichlorobenzene	341	274	80	31 - 115	ug/kg wet
1,2-Dichlorobenzene	341	286	84	33 - 117	ug/kg wet
1,3-Dichlorobenzene	341	281	82	30 - 115	ug/kg wet
3,3'-Dichlorobenzidine	683	ND	*	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410496-BS1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.3 grams / 1 mL

QC Batch: 1410496

Sequence: 4J08051

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	341	337	99	40 - 122	ug/kg wet
Diethyl Phthalate	341	371	109	50 - 124	ug/kg wet
2,4-Dimethylphenol	341	247	72	30 - 127	ug/kg wet
Dimethyl Phthalate	341	353	103	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	341	396	116	29 - 132	ug/kg wet
2,4-Dinitrophenol	341	383	112	15 - 130	ug/kg wet
2,6-Dinitrotoluene	341	346	101	46 - 124	ug/kg wet
2,4-Dinitrotoluene	341	370	108	48 - 126	ug/kg wet
Di-n-octyl Phthalate	341	410	120	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	341	339	99	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	341	431	126	51 - 133	ug/kg wet
Fluoranthene	341	340	100	50 - 127	ug/kg wet
Fluorene	341	339	99	43 - 125	ug/kg wet
Hexachlorobenzene	341	351	103	45 - 122	ug/kg wet
Hexachlorobutadiene	341	314	92	32 - 132	ug/kg wet
Hexachloroethane	341	278	82	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	341	434	127	45 - 133	ug/kg wet
Isophorone	341	273	80	30 - 122	ug/kg wet
2-Methylnaphthalene	341	313	92	38 - 122	ug/kg wet
3+4-Methylphenol	341	329	96	34 - 119	ug/kg wet
2-Methylphenol	341	306	90	32 - 122	ug/kg wet
Naphthalene	341	304	89	35 - 123	ug/kg wet
4-Nitroaniline	341	258	76	35 - 115	ug/kg wet
2-Nitroaniline	341	326	96	45 - 120	ug/kg wet
3-Nitroaniline	341	124	36	25 - 110	ug/kg wet
Nitrobenzene	341	308	90	34 - 122	ug/kg wet
2-Nitrophenol	341	355	104	36 - 123	ug/kg wet
4-Nitrophenol	341	392	115	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	341	273	80	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410496-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.3 grams / 1 mL
Sequence: 4J08051

QC Batch: 1410496

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	341	337	99	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	341	312	91	36 - 120	ug/kg wet
Pentachlorophenol	341	382	112	25 - 133	ug/kg wet
Phenanthrene	341	345	101	50 - 121	ug/kg wet
Phenol	341	303	89	34 - 121	ug/kg wet
Pyrene	341	379	111	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	341	316	93	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	341	342	100	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	341	347	102	39 - 126	ug/kg wet

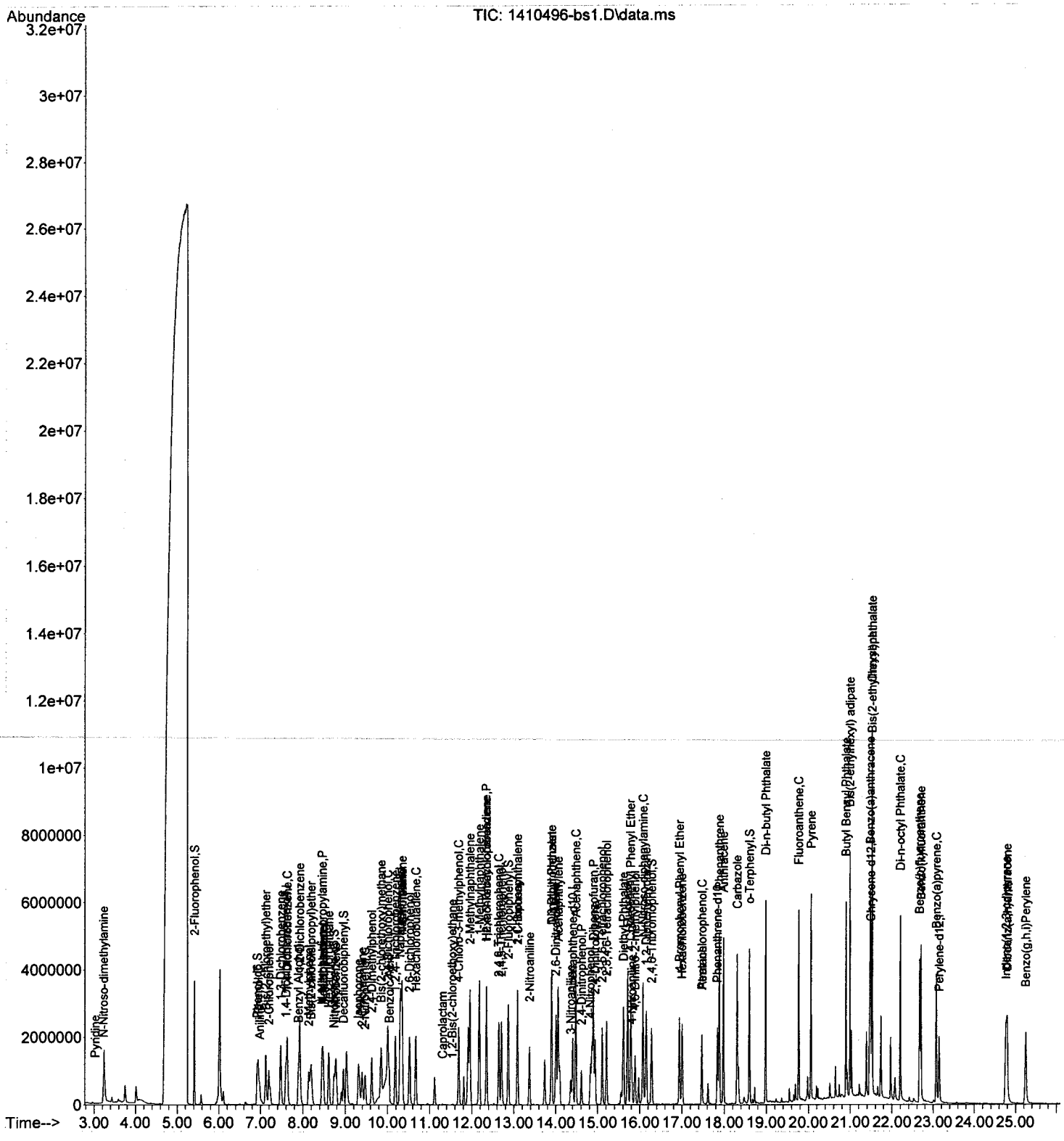
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1410496-bs1.D
Acq On : 7 Oct 2014 17:06
Operator : JLB
Sample : 1410496-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 08:02:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1410496-bs1.D
Acq On : 7 Oct 2014 17:06
Operator : JLB
Sample : 1410496-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 08:02:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.596	152	388411	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.301	136	1352647	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.404	164	867935	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.837	188	1397992	5.00	ng/uL	0.00
81) Chrysene-d12	21.492	240	1119480	5.00	ng/uL	# 0.00
89) Perylene-d12	23.147	264	1039849	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.416	112	1390052	15.66	ng/uL	0.28
6) Phenol-d6	6.920	99	1184781	10.31	ng/uL	0.06
21) Nitrobenzene-d5	8.733	82	773531	8.95	ng/uL	0.00
23) Decafluorobiphenyl	8.954	334	591492	9.76	ng/uL	0.00
47) 2-Fluorobiphenyl	12.871	172	1755757	9.79	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.287	330	433676	20.45	ng/uL	0.00
78) o-Terphenyl	18.607	230	1265491	10.56	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.225	74	539297	9.40	ng/uL	81
3) Pyridine	3.027	79	203	0.00	ng/uL	83
5) Aniline	6.978	93	363624	3.97	ng/uL#	60
7) Phenol	6.944	94	757719	5.80	ng/uL	94
8) Bis(2-chloroethyl)ether	7.124	93	1056623	9.61	ng/uL#	84
9) 2-Chlorophenol	7.194	128	826095	7.98	ng/uL#	14
10) 1,3-Dichlorobenzene	7.474	146	1081685	9.64	ng/uL	98
11) 1,4-Dichlorobenzene	7.625	146	1062118	9.42	ng/uL	97
12) 1,2-Dichlorobenzene	7.923	146	1020163	9.69	ng/uL	95
13) Bis(2-chloroisipropyl)...	8.197	45	1518775	8.69	ng/uL	99
14) Benzyl Alcohol	7.894	108	489870	7.34	ng/uL	85
15) 2-Methylphenol	8.138	108	542193	5.85	ng/uL	91
16) Acetophenone	8.476	105	7483	0.05	ng/uL#	1
17) Hexachloroethane	8.611	119	391604	9.35	ng/uL	97
18) 4-Methylphenol	8.476	108	618069	6.69	ng/uL	89
19) N-Nitroso-di-n-propyla...	8.459	70	607323	8.67	ng/uL	99
22) Nitrobenzene	8.774	77	969265	10.26	ng/uL#	72
24) Isophorone	9.310	82	1549423	8.91	ng/uL	97
25) 2-Chloroaniline	9.397	127	781176	7.06	ng/uL	98
26) 2-Nitrophenol	9.467	139	474835	10.57	ng/uL#	83
27) 2,4-Dimethylphenol	9.631	107	645389	7.41	ng/uL#	48
28) Bis(2-chlorethoxy)methane	9.852	93	1006284	9.54	ng/uL	97
29) 2,4-Dichlorophenol	10.009	162	626899	9.13	ng/uL	100
30) Benzoic Acid	10.044	105	2648881	38.17	ng/uL	97
31) 1,2,4-Trichlorobenzene	10.190	180	878461	11.22	ng/uL	98
32) Naphthalene	10.347	128	2794740	10.35	ng/uL	100
33) 4-Chloroaniline	10.347	127	329770	~~4.99~~	ng/uL	92
34) 2,6-Dichlorophenol	10.522	162	693641	10.17	ng/uL	91
35) Hexachlorobutadiene	10.674	225	480449	11.25	ng/uL	99
36) Caprolactam	11.303	55	9748	0.25	ng/uL#	29
37) 1,2-Bis(2-chloroethoxy...	11.536	63	2746	0.03	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.688	107	1019193	13.47	ng/uL	93
39) 2-Methylnaphthalene	11.962	142	1962194	11.41	ng/uL	99
40) 1-Methylnaphthalene	12.183	142	2048667	13.09	ng/uL	99
41) 1,3 Dinitrobenzene	13.903	168	391236	14.02	ng/uL	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100714a_339\
Data File : 1410496-bs1.D
Acq On : 7 Oct 2014 17:06
Operator : JLB
Sample : 1410496-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 08:02:31 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 07 16:02:04 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43)	1,2,4,5-Tetrachloroben...	12.352	216	813114	10.58	ng/uL	98
44)	Hexachlorocyclopentadiene	12.347	237	348720	8.17	ng/uL	97
45)	2,4,6-Trichlorophenol	12.644	196	619229	12.45	ng/uL	96
46)	2,4,5-Trichlorophenol	12.708	196	660875	12.70	ng/uL	94
48)	2-Chloronaphthalene	13.087	162	1910246	11.37	ng/uL	99
49)	1,1'-Biphenyl	13.087	154	2334	0.01	ng/uL#	77
50)	2-Nitroaniline	13.378	138	736055	~~12.96~~	ng/uL	98
51)	Acenaphthylene	14.060	152	2933270	10.54	ng/uL#	78
52)	2,6-Dinitrotoluene	14.002	165	545018	12.16	ng/uL#	91
53)	Dimethyl Phthalate	13.903	163	2281753	12.15	ng/uL	99
54)	3-Nitroaniline	14.358	138	254314	~~6.46~~	ng/uL#	1
55)	Acenaphthene	14.480	153	1998927	10.91	ng/uL	98
56)	2,4-Dinitrophenol	14.614	184	275130	12.92	ng/uL	93
57)	Dibenzofuran	14.900	168	2672096	11.24	ng/uL	98
58)	4-Nitrophenol	14.830	65	494336	13.97	ng/uL	90
59)	2,4-Dinitrotoluene	14.940	165	726968	12.93	ng/uL#	83
60)	2,3,5,6-Tetrachlorophenol	15.109	232	544893	12.74	ng/uL	99
61)	2,3,4,6-Tetrachlorophenol	15.214	232	549819	12.76	ng/uL	97
62)	Fluorene	15.716	166	2251507	11.71	ng/uL	95
63)	Diethyl Phthalate	15.617	149	2172176	12.28	ng/uL	96
64)	4-Chlorophenyl Phenyl ...	15.786	204	1044082	11.77	ng/uL	95
65)	4-Nitroaniline	15.815	138	443193	~~15.59~~	ng/uL#	1
67)	4,6-Dinitro-2-methylph...	15.890	198	429357	12.82	ng/uL	100
68)	N-Nitroso-diphenylamine	16.083	169	1802054	11.66	ng/uL	99
69)	1,2-Diphenylhydrazine	16.159	182	655834	11.71	ng/uL#	75
71)	4-Bromophenyl Phenyl E...	16.945	248	567421	12.01	ng/uL	98
72)	Hexachlorobenzene	17.004	284	594937	11.52	ng/uL	97
73)	Atrazine	17.476	200	77655	1.67	ng/uL#	25
74)	Pentachlorophenol	17.476	266	395232	13.05	ng/uL	97
75)	Phenanthrene	17.884	178	3151444	11.64	ng/uL	99
76)	Anthracene	17.983	178	3083492	11.80	ng/uL	99
77)	Carbazole	18.309	167	2900778	12.87	ng/uL	98
79)	Di-n-butyl Phthalate	18.991	149	3944313	14.66	ng/uL	99
80)	Fluoroanthene	19.772	202	3053985	11.82	ng/uL	93
82)	Pyrene	20.064	202	3170971	11.94	ng/uL	100
83)	Butyl Benzyl Phthalate	20.897	149	1434602	13.68	ng/uL	88
84)	Bis(2-ethylhexyl) adipate	20.996	129	1335329	12.91	ng/uL#	100
85)	Benzo(a)anthracene	21.480	228	2531881	12.41	ng/uL	99
86)	Chrysene	21.521	228	2364769	11.86	ng/uL#	89
87)	Bis(2-ethylhexyl)phtha...	21.527	149	1884132	14.03	ng/uL	91
88)	Di-n-octyl Phthalate	22.203	149	3313068	13.78	ng/uL	99
90)	Benzo(b)fluoroanthene	22.669	252	2446386	12.95	ng/uL	98
91)	Benzo(k)fluoranthene	22.704	252	2409181	11.29	ng/uL	99
92)	Benzo(a)pyrene	23.077	252	2267835	12.73	ng/uL	99
93)	Indeno(1,2,3-cd)pyrene	24.767	276	2364492	15.34	ng/uL	90
94)	Dibdenz(a,h)anthracene	24.797	278	1906879	15.14	ng/uL#	91
95)	Benzo(g,h,i)Perylene	25.251	276	1997253	15.04	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410496-bs1.D
Acq On : 8 Oct 2014 10:25
Operator : JLB
Sample : 1410496-bs1 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 13:55:43 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 13:53:10 2014
Response via : Initial Calibration

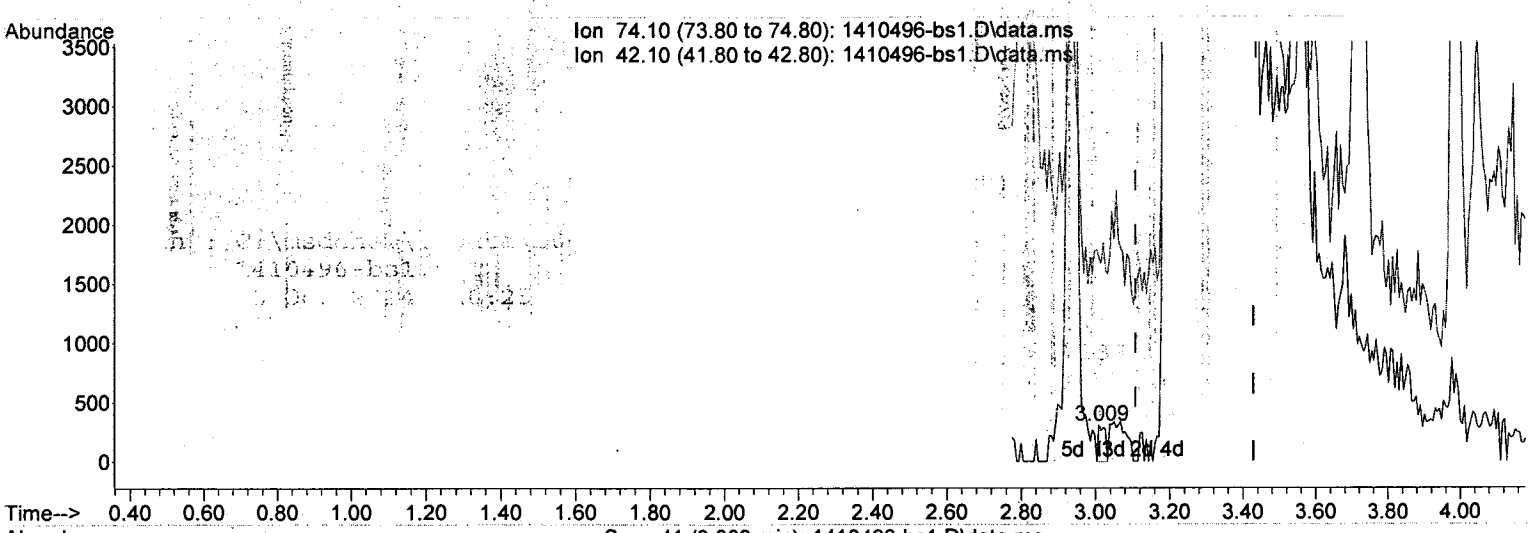
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.561	152	465406	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.272	136	1761647	5.00	ng/uL		0.01
11) Acenaphthene-d10	14.375	164	970921	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.814	188	1554851	5.00	ng/uL		0.00
19) Chrysene-d12	21.474	240	1111741	5.00	ng/uL	#	0.00
22) Perylene-d12	23.124	264	982824	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.207	74	577231	7.83	ng/uL		83
3) Pyridine	3.120	79	1862	0.01	ng/uL#		23
4) Aniline	6.949	93	441804	2.22	ng/uL#		1
5) Benzaldehyde	6.664	105	1502	0.01	ng/uL#		74
6) Acetophenone	8.401	105	2133	0.01	ng/uL#		1
7) N-Nitroso-di-n-propyla...	8.436	70	775992	8.67	ng/uL		99
9) 4-Chloroaniline	10.493	127	336925m	2.36	ng/uL		
10) Caprolactam	11.216	55	294	0.10	ng/uL#		1
12) 1,1'-Biphenyl	13.052	154	2732	0.01	ng/uL#		78
13) 2-Nitroaniline	13.343	138	656968	9.55	ng/uL		98
14) 3-Nitroaniline	14.328	138	213049	3.64	ng/uL#		1
15) 4-Nitroaniline	15.786	138	385481	7.56	ng/uL#		1
17) N-Nitroso-diphenylamine	16.054	169	1696598	9.37	ng/uL		99
18) Atrazine	17.394	200	563	Below Cal		#	25
20) Benzidine	19.965	184	168979	1.47	ng/uL		96
21) 3,3'-Dichlorobenzidine	21.439	252	371609	5.82	ng/uL		99

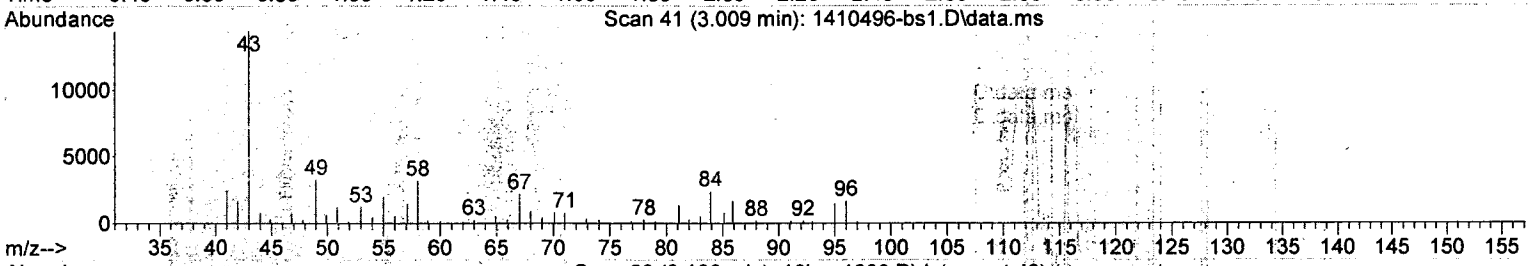
(#) = qualifier out of range (m) = manual integration (+) = signals summed

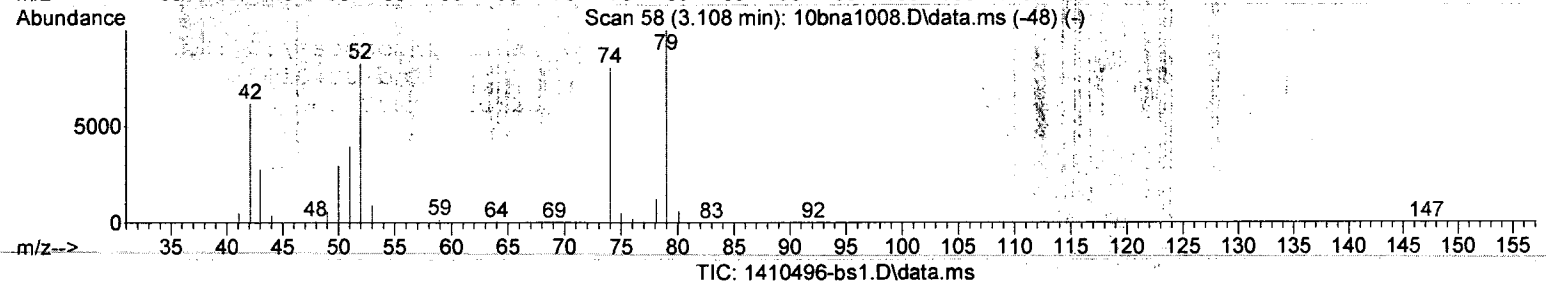
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410496-bs1.D
Acq On : 8 Oct 2014 10:25
Operator : JLB
Sample : 1410496-bs1 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 08:10:32 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration







TIC: 1410496-bs1.D\data.ms

(2) N-Nitroso-dimethylamine

3.009min (-0.099) 0.01 ng/uL

response 392

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	84.18
0.00	0.00	0.00
0.00	0.00	0.00

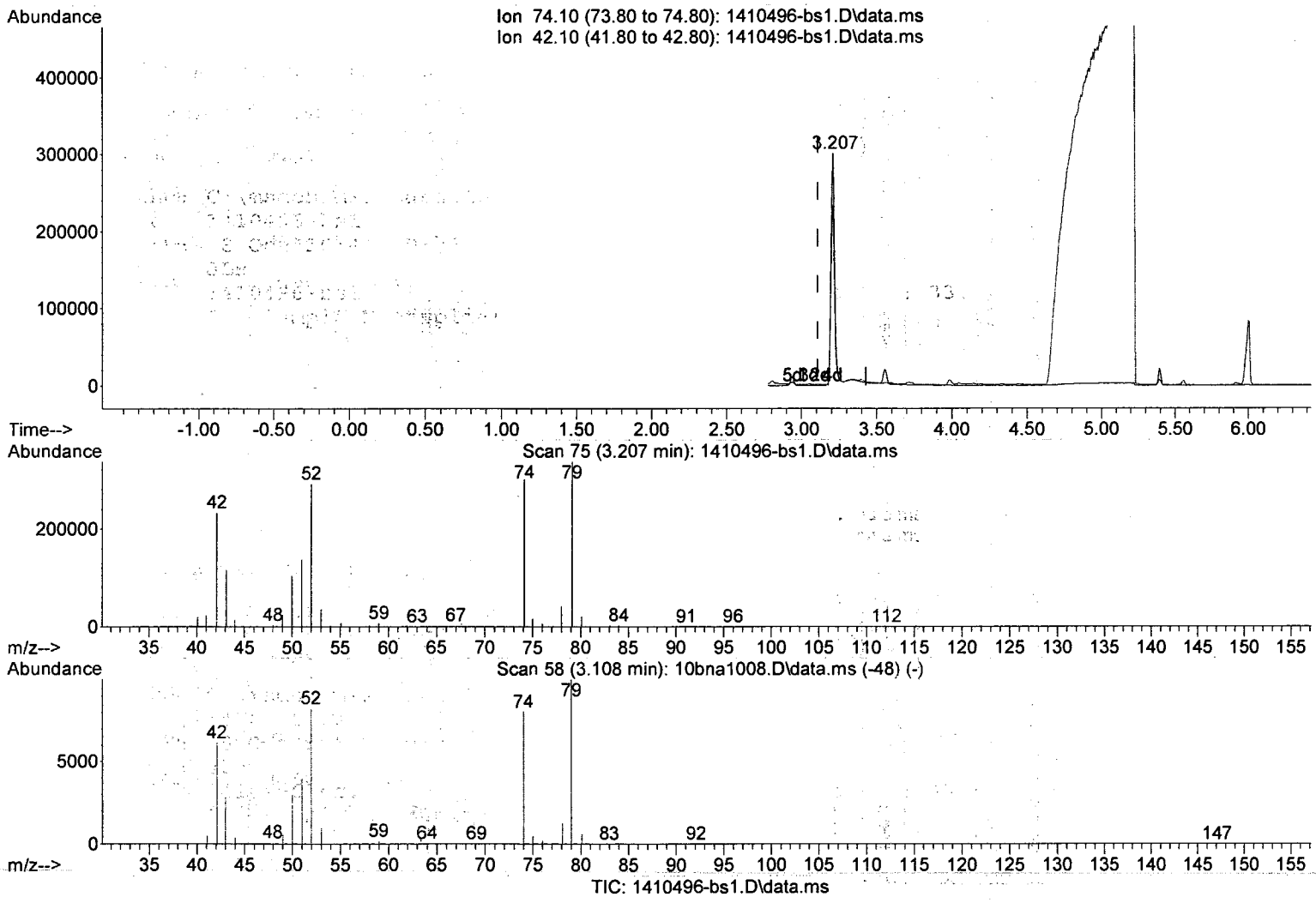
JW 10/9/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410496-bs1.D
Acq On : 8 Oct 2014 10:25
Operator : JLB
Sample : 1410496-bs1 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 08:10:32 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



TIC: 1410496-bs1.D\data.ms

(2) N-Nitroso-dimethylamine

3.207min (+ 0.099) 7.99 ng/uL m

response 556573

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	0.06#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

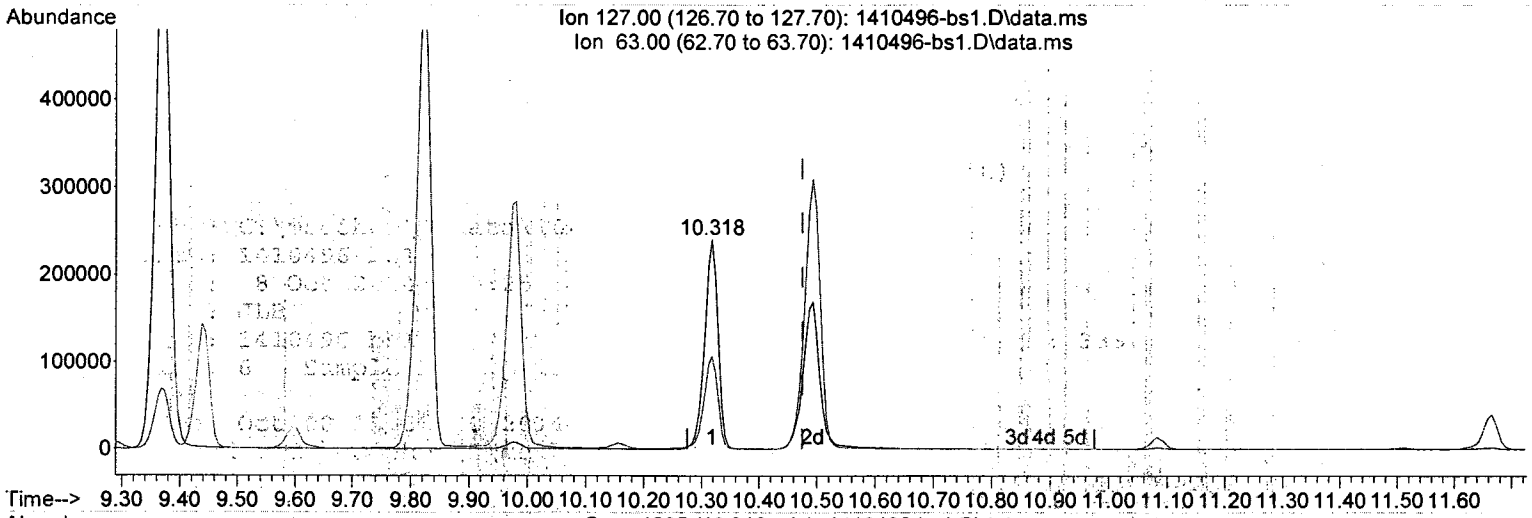
Reason 1: Incorrect peak integrated by the software.

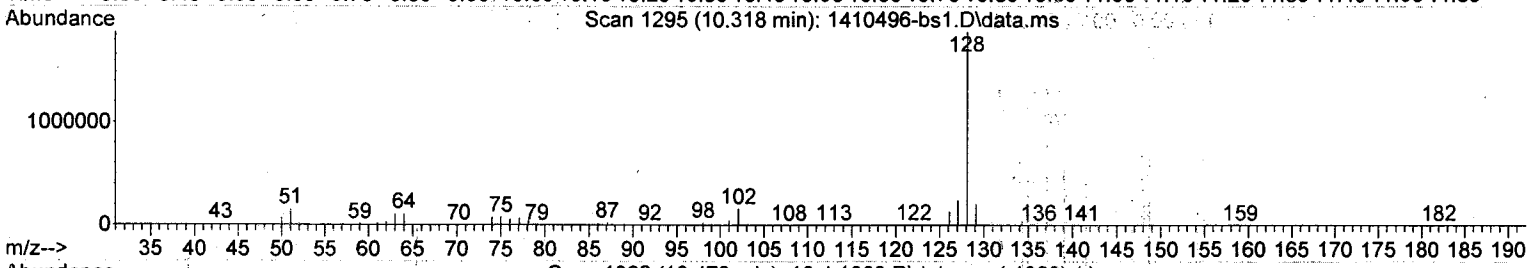
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/9/14
Reviewed By: DNC Date: 10-12-14

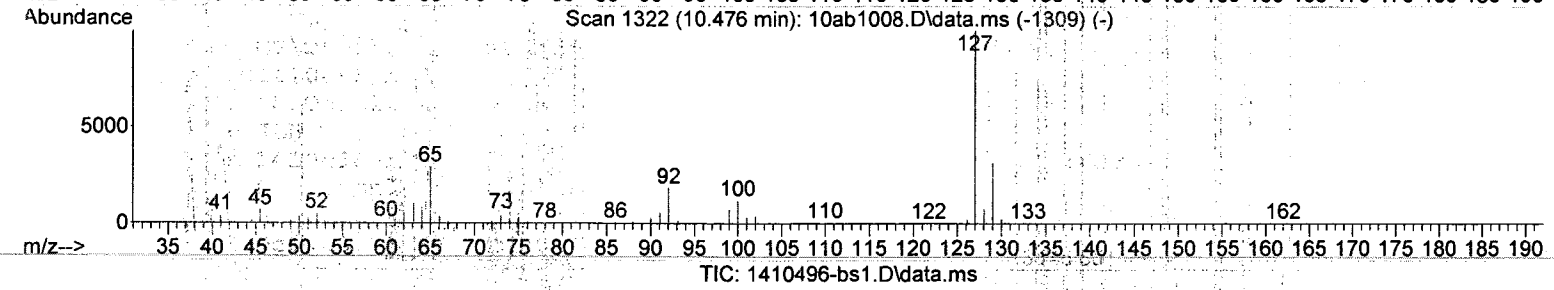
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410496-bs1.D
Acq On : 8 Oct 2014 10:25
Operator : JLB
Sample : 1410496-bs1 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 13:55:20 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 13:53:10 2014
Response via : Initial Calibration







TIC: 1410496-bs1.D\data.ms

(9) 4-Chloroaniline

10.318min (-0.157) 2.69 ng/uL

response 383063

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	45.74
0.00	0.00	0.00
0.00	0.00	0.00

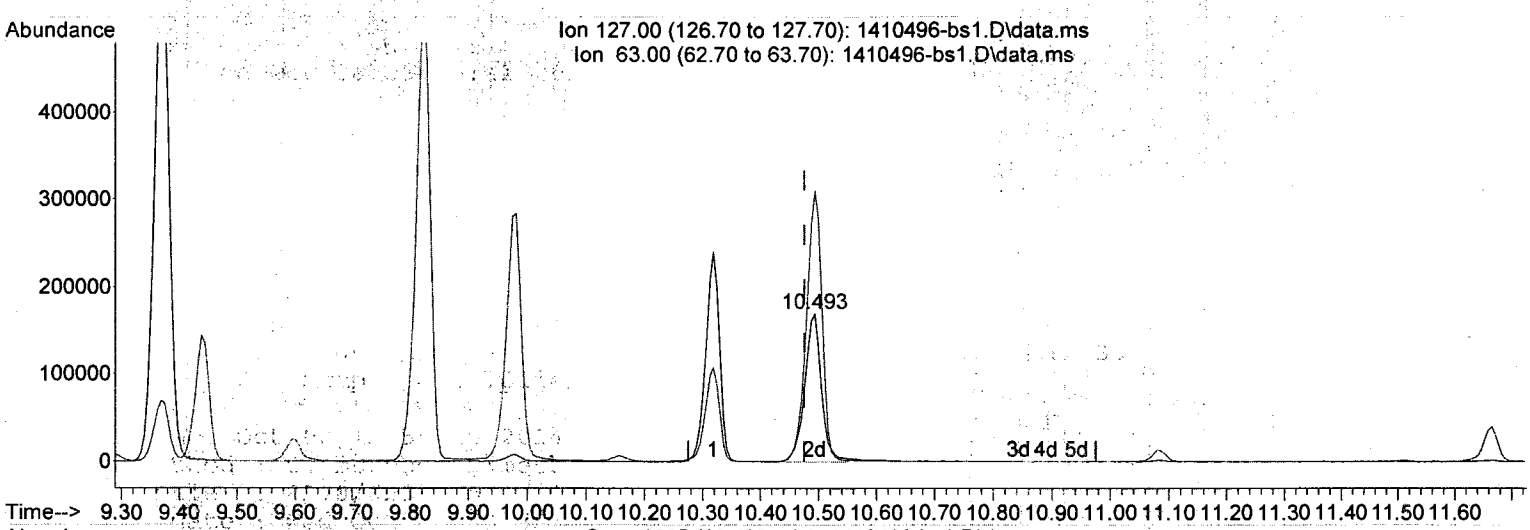
JWB 10/9/14

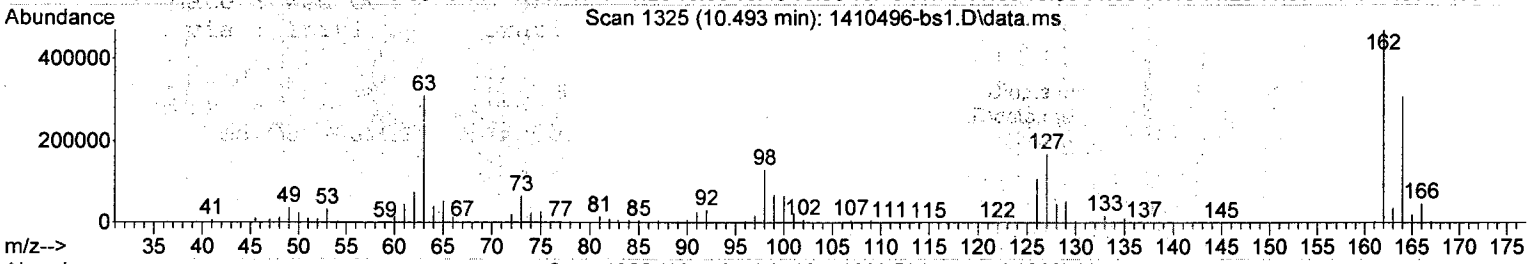
DWS 10-17-14

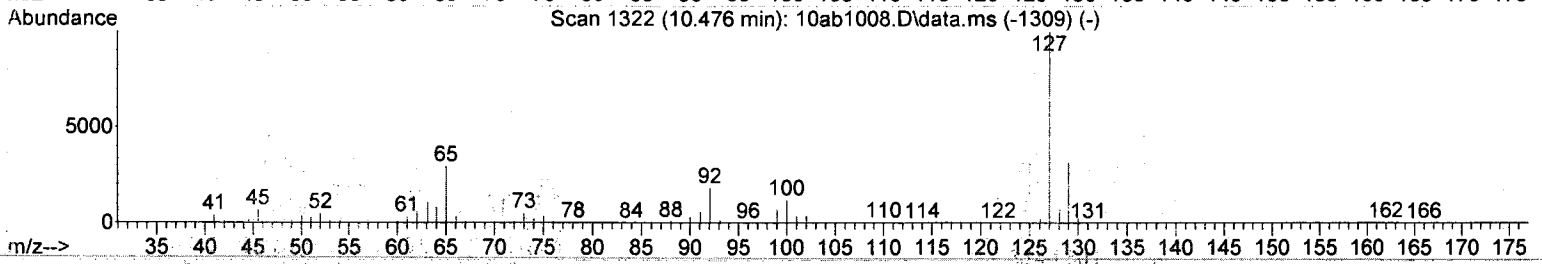
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410496-bs1.D
Acq On : 8 Oct 2014 10:25
Operator : JLB
Sample : 1410496-bs1 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 13:55:20 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 13:53:10 2014
Response via : Initial Calibration







TIC: 1410496-bs1.D\data.ms

(9) 4-Chloroaniline

10.493min (+ 0.018) 2.36 ng/uL m

response 336925

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	52.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No
Analyst: JWS Date: 10/9/14
Reviewed By: DWS Date: 10-17-14

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410496-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 29.2 grams / 1 mL
Sequence: 4J10038

QC Batch: 1410496

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	342	309	90	40 - 123	ug/kg wet
Acenaphthylene	342	300	88	32 - 132	ug/kg wet
Anthracene	342	329	96	47 - 123	ug/kg wet
Benzo(a)anthracene	342	338	99	49 - 126	ug/kg wet
Benzo(a)pyrene	342	350	102	45 - 129	ug/kg wet
Benzo(b)fluoranthene	342	349	102	45 - 132	ug/kg wet
Benzo(k)fluoranthene	342	305	89	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	342	405	118	43 - 134	ug/kg wet
Benzoic Acid	1710	809	47	0 - 110	ug/kg wet
Benzyl Alcohol	342	283	83	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	342	315	92	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	342	379	111	48 - 132	ug/kg wet
Carbazole	342	347	101	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	342	284	83	45 - 122	ug/kg wet
4-Chloroaniline	342	81.8	24	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	342	296	87	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	342	282	82	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	342	271	79	33 - 131	ug/kg wet
2-Chloronaphthalene	342	332	97	41 - 114	ug/kg wet
2-Chlorophenol	342	276	81	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	342	301	88	45 - 121	ug/kg wet
Chrysene	342	340	99	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	342	405	118	45 - 134	ug/kg wet
Dibenzofuran	342	301	88	44 - 120	ug/kg wet
Di-n-butyl Phthalate	342	326	95	51 - 128	ug/kg wet
1,4-Dichlorobenzene	342	284	83	31 - 115	ug/kg wet
1,2-Dichlorobenzene	342	293	86	33 - 117	ug/kg wet
1,3-Dichlorobenzene	342	281	82	30 - 115	ug/kg wet
3,3'-Dichlorobenzidine	685	ND	*	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410496-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 29.2 grams / 1 mL
Sequence: 4J10038

QC Batch: 1410496

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	342	293	86	40 - 122	ug/kg wet
Diethyl Phthalate	342	319	93	50 - 124	ug/kg wet
2,4-Dimethylphenol	342	282	82	30 - 127	ug/kg wet
Dimethyl Phthalate	342	294	86	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	342	334	98	29 - 132	ug/kg wet
2,4-Dinitrophenol	342	336	98	15 - 130	ug/kg wet
2,6-Dinitrotoluene	342	303	89	46 - 124	ug/kg wet
2,4-Dinitrotoluene	342	328	96	48 - 126	ug/kg wet
Di-n-octyl Phthalate	342	349	102	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	342	303	89	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	342	399	117	51 - 133	ug/kg wet
Fluoranthene	342	323	94	50 - 127	ug/kg wet
Fluorene	342	304	89	43 - 125	ug/kg wet
Hexachlorobenzene	342	309	90	45 - 122	ug/kg wet
Hexachlorobutadiene	342	293	86	32 - 132	ug/kg wet
Hexachloroethane	342	275	80	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	342	412	120	45 - 133	ug/kg wet
Isophorone	342	256	75	30 - 122	ug/kg wet
2-Methylnaphthalene	342	298	87	38 - 122	ug/kg wet
3+4-Methylphenol	342	292	85	34 - 119	ug/kg wet
2-Methylphenol	342	278	81	32 - 122	ug/kg wet
Naphthalene	342	296	87	35 - 123	ug/kg wet
4-Nitroaniline	342	250	73	35 - 115	ug/kg wet
2-Nitroaniline	342	274	80	45 - 120	ug/kg wet
3-Nitroaniline	342	149	44	25 - 110	ug/kg wet
Nitrobenzene	342	297	87	34 - 122	ug/kg wet
2-Nitrophenol	342	307	90	36 - 123	ug/kg wet
4-Nitrophenol	342	367	107	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	342	253	74	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410496

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410496-BS2

Preparation: 3550C Sonication Extraction

Initial/Final: 29.2 grams / 1 mL

Sequence: 4J10038

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	342	310	91	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	342	295	86	36 - 120	ug/kg wet
Pentachlorophenol	342	327	95	25 - 133	ug/kg wet
Phenanthrene	342	321	94	50 - 121	ug/kg wet
Phenol	342	276	81	34 - 121	ug/kg wet
Pyrene	342	349	102	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	342	294	86	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	342	280	82	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	342	333	97	39 - 126	ug/kg wet

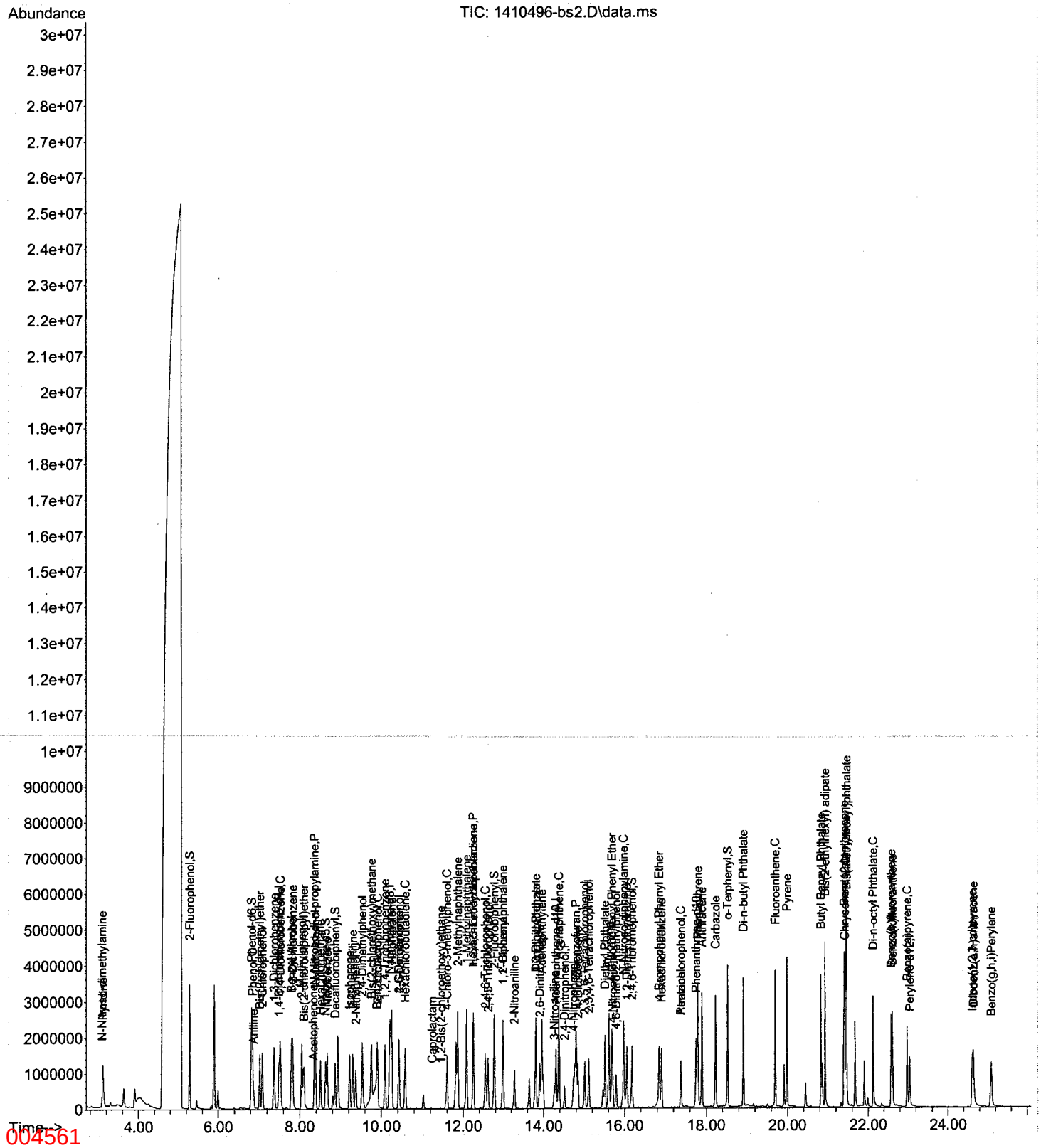
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-bs2.D
Acq On : 10 Oct 2014 10:22
Operator : JLB
Sample : 1410496-bs2 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 13:03:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration



004561

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-bs2.D
Acq On : 10 Oct 2014 10:22
Operator : JLB
Sample : 1410496-bs2 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 13:03:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.495	152	395204	5.00	ng/uL	# 0.04
20) Naphthalene-d8	10.206	136	1460184	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.303	164	787965	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.754	188	1254386	5.00	ng/uL	0.00
81) Chrysene-d12	21.420	240	934271	5.00	ng/uL	# 0.00
89) Perylene-d12	23.046	264	795708	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.286	112	1437465	15.92	ng/uL	0.25
6) Phenol-d6	6.825	99	2033689	17.40	ng/uL	0.05
21) Nitrobenzene-d5	8.638	82	852675	9.14	ng/uL	0.00
23) Decafluorobiphenyl	8.871	334	587695	8.98	ng/uL	0.00
47) 2-Fluorobiphenyl	12.776	172	1629478	10.01	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.186	330	347273	18.25	ng/uL	0.00
78) o-Terphenyl	18.529	230	1117466	10.39	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.101	74	430758m	7.38	ng/uL	
3) Pyridine	3.118	79	666881	6.67	ng/uL	84
5) Aniline	6.872	93	385049	4.12	ng/uL#	1
7) Phenol	6.848	94	1068673	8.05	ng/uL	92
8) Bis(2-chloroethyl)ether	7.023	93	920307	8.23	ng/uL#	83
9) 2-Chlorophenol	7.087	128	849269	8.06	ng/uL#	31
10) 1,3-Dichlorobenzene	7.373	146	937811	8.21	ng/uL	97
11) 1,4-Dichlorobenzene	7.530	146	950329	8.28	ng/uL	96
12) 1,2-Dichlorobenzene	7.828	146	915573	8.55	ng/uL	95
13) Bis(2-chloroisipropyl)...	8.102	45	1408015	7.92	ng/uL	97
14) Benzyl Alcohol	7.799	108	561770	8.27	ng/uL	85
15) 2-Methylphenol	8.049	108	765578	8.11	ng/uL	96
16) Acetophenone	8.335	105	1661	0.01	ng/uL#	27
17) Hexachloroethane	8.510	119	342286	8.03	ng/uL	97
18) 4-Methylphenol	8.381	108	801768	8.52	ng/uL	89
19) N-Nitroso-di-n-propyla...	8.364	70	614469	8.62	ng/uL	98
22) Nitrobenzene	8.679	77	885135	8.68	ng/uL#	60
24) Isophorone	9.221	82	1404356	7.48	ng/uL	97
25) 2-Chloroaniline	9.302	127	941846	7.88	ng/uL	99
26) 2-Nitrophenol	9.372	139	433958	8.95	ng/uL#	85
27) 2,4-Dimethylphenol	9.536	107	774124	8.23	ng/uL#	53
28) Bis(2-chlorethoxy)methane	9.763	93	985021	8.65	ng/uL	96
29) 2,4-Dichlorophenol	9.914	162	635374	8.57	ng/uL	99
30) Benzoic Acid	9.897	105	1695581	23.63	ng/uL	96
31) 1,2,4-Trichlorobenzene	10.089	180	725636	8.59	ng/uL	99
32) Naphthalene	10.252	128	2520281	8.65	ng/uL	100
33) 4-Chloroaniline	10.427	127	284336	ab ~~3.98~~	ng/uL#	1
34) 2,6-Dichlorophenol	10.427	162	654092	8.88	ng/uL	93
35) Hexachlorobutadiene	10.579	225	394486	8.56	ng/uL	99
36) Caprolactam	11.237	55	6348	0.15	ng/uL#	34
37) 1,2-Bis(2-chloroethoxy...	11.453	63	1900	0.02	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.599	107	676785	8.28	ng/uL	93
39) 2-Methylnaphthalene	11.867	142	1613560	8.69	ng/uL	99
40) 1-Methylnaphthalene	12.088	142	1601116	9.48	ng/uL	99
41) 1,3 Dinitrobenzene	13.808	168	249038	8.22	ng/uL	100
43) 1,2,4,5-Tetrachloroben...	12.257	216	658825	9.44	ng/uL	98
44) Hexachlorocyclopentadiene	12.252	237	290857	7.51	ng/uL	97
45) 2,4,6-Trichlorophenol	12.555	196	438426	9.71	ng/uL#	30
46) 2,4,5-Trichlorophenol	12.619	196	386559	8.18	ng/uL#	1

004562

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-bs2.D
Acq On : 10 Oct 2014 10:22
Operator : JLB
Sample : 1410496-bs2 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 13:03:29 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Chloronaphthalene	12.992	162	1476517	9.68	ng/uL	100
49) 1,1'-Biphenyl	12.986	154	2601	0.01	ng/uL#	77
50) 2-Nitroaniline	13.277	138	446162	~~8.65~~	ng/uL	99
51) Acenaphthylene	13.959	152	2210586	8.75	ng/uL#	86
52) 2,6-Dinitrotoluene	13.907	165	360608	8.86	ng/uL	95
53) Dimethyl Phthalate	13.808	163	1462604	8.58	ng/uL	100
54) 3-Nitroaniline	14.263	138	206891	~~5.79~~	ng/uL#	1
55) Acenaphthene	14.385	153	1498193	9.01	ng/uL	98
56) 2,4-Dinitrophenol	14.519	184	172435	9.80	ng/uL#	87
57) Dibenzofuran	14.799	168	1896149	8.79	ng/uL	98
58) 4-Nitrophenol	14.735	65	344708	10.73	ng/uL	95
59) 2,4-Dinitrotoluene	14.845	165	489798	9.59	ng/uL#	82
60) 2,3,5,6-Tetrachlorophenol	15.014	232	333369	8.58	ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	15.114	232	338209	8.65	ng/uL	97
62) Fluorene	15.615	166	1551087	8.89	ng/uL	96
63) Diethyl Phthalate	15.516	149	1494844	9.31	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.691	204	707593	8.78	ng/uL	92
65) 4-Nitroaniline	15.708	138	307833	~~11.93~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.795	198	285759	9.76	ng/uL	97
68) N-Nitroso-diphenylamine	15.982	169	1256142	9.06	ng/uL	99
69) 1,2-Diphenylhydrazine	16.058	182	444876	8.85	ng/uL#	77
71) 4-Bromophenyl Phenyl E...	16.845	248	390125	9.21	ng/uL	97
72) Hexachlorobenzene	16.903	284	418434	9.03	ng/uL	97
73) Atrazine	17.381	200	52047	1.25	ng/uL#	25
74) Pentachlorophenol	17.381	266	259142	9.54	ng/uL	98
75) Phenanthrene	17.801	178	2277386	9.38	ng/uL	99
76) Anthracene	17.894	178	2251825	9.61	ng/uL	100
77) Carbazole	18.232	167	2051022	10.14	ng/uL	99
79) Di-n-butyl Phthalate	18.914	149	2300860	9.53	ng/uL	99
80) Fluoroanthene	19.701	202	2182330	9.42	ng/uL	94
82) Pyrene	19.992	202	2259784	10.20	ng/uL	100
83) Butyl Benzyl Phthalate	20.831	149	967989	11.06	ng/uL	91
84) Bis(2-ethylhexyl) adipate	20.930	129	880908	10.22	ng/uL#	100
85) Benzo(a)anthracene	21.408	228	1678212	9.86	ng/uL	98
86) Chrysene	21.449	228	1652233	9.93	ng/uL#	89
87) Bis(2-ethylhexyl)phtha...	21.461	149	1306351	11.66	ng/uL	92
88) Di-n-octyl Phthalate	22.125	149	2023313	10.18	ng/uL	99
90) Benzo(b)fluoroanthene	22.580	252	1471824	10.18	ng/uL	100
91) Benzo(k)fluoranthene	22.615	252	1456596	8.92	ng/uL	97
92) Benzo(a)pyrene	22.982	252	1393998	10.23	ng/uL	100
93) Indeno(1,2,3-cd)pyrene	24.620	276	1420218	12.04	ng/uL#	89
94) Dibdenz(a,h)anthracene	24.649	278	1139281	11.82	ng/uL#	88
95) Benzo(g,h,i)Perylene	25.092	276	1203270	11.84	ng/uL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004563

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-bs2.D
Acq On : 10 Oct 2014 10:22
Operator : JLB
Sample : 1410496-bs2 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 12:59:07 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 12:58:17 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.495	152	390501	5.00	ng/uL	#	0.04
8) Naphthalene-d8	10.206	136	1460184	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.303	164	787965	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.754	188	1255338	5.00	ng/uL		0.00
19) Chrysene-d12	21.420	240	934271	5.00	ng/uL	#	0.00
22) Perylene-d12	23.046	264	795934	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.949	74	1052	0.02	ng/uL		99
3) Pyridine	2.990	79	453	0.00	ng/uL	#	73
4) Aniline	6.872	93	385049	2.31	ng/uL	#	1
5) Benzaldehyde	6.598	105	717	0.01	ng/uL	#	23
6) Acetophenone	8.335	105	1661	0.01	ng/uL	#	27
7) N-Nitroso-di-n-propyla...	8.364	70	615045	8.19	ng/uL		98
9) 4-Chloroaniline	10.427	127	282939m	2.39	ng/uL		
10) Caprolactam	11.237	55	982	0.12	ng/uL		93
12) 1,1'-Biphenyl	12.986	154	2601	0.01	ng/uL	#	77
13) 2-Nitroaniline	13.277	138	446162	7.99	ng/uL		99
14) 3-Nitroaniline	14.263	138	206891	4.36	ng/uL	#	1
15) 4-Nitroaniline	15.708	138	301846	7.30	ng/uL	#	1
17) N-Nitroso-diphenylamine	15.982	169	1257100	8.60	ng/uL		99
18) Atrazine	17.381	200	53865	0.95	ng/uL	#	25
20) Benzidine	19.916	184	622062	5.04	ng/uL		96
21) 3,3'-Dichlorobenzidine	21.391	252	390653	7.27	ng/uL		99

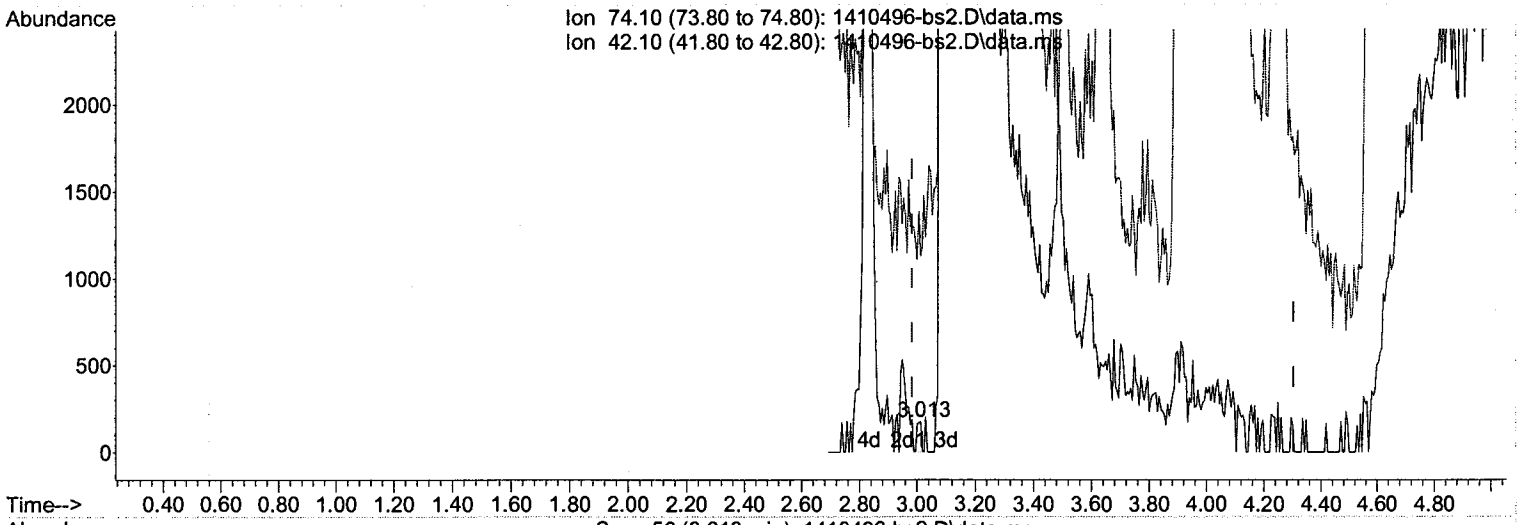
(#) = qualifier out of range (m) = manual integration (+) = signals summed

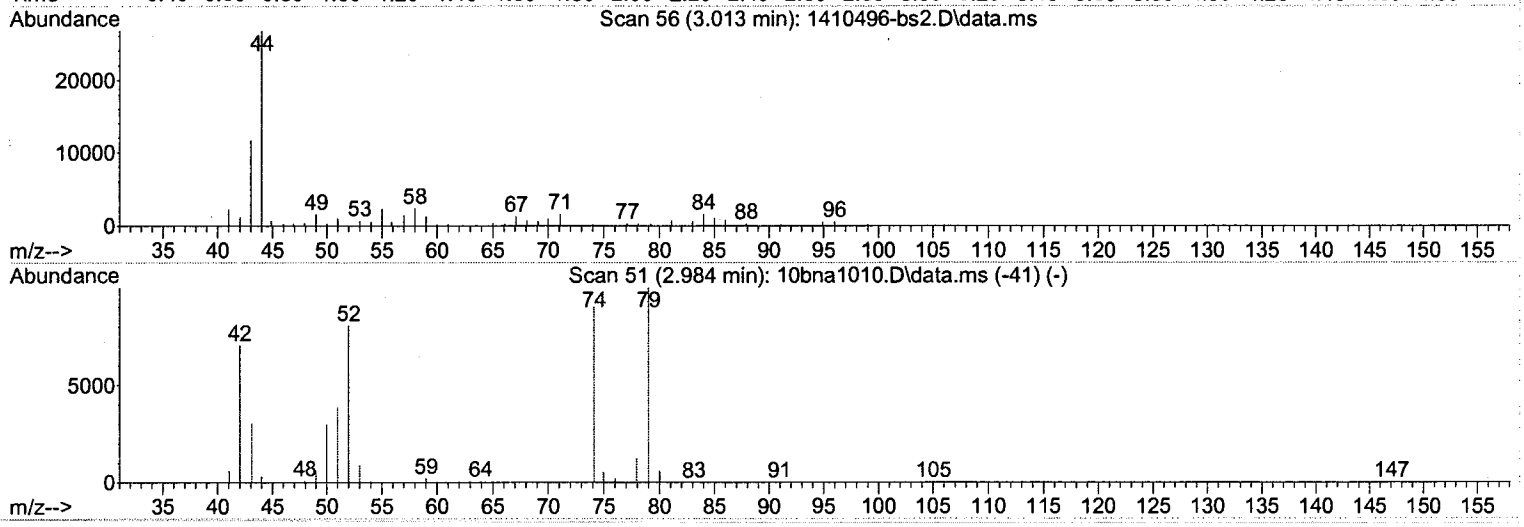
004564

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-bs2.D
Acq On : 10 Oct 2014 10:22
Operator : JLB
Sample : 1410496-bs2 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 13:03:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration





TIC: 1410496-bs2.D\data.ms

(2) N-Nitroso-dimethylamine

3.013min (+ 0.029) 0.00 ng/uL

response 177

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	74.01#
0.00	0.00	0.00
0.00	0.00	0.00

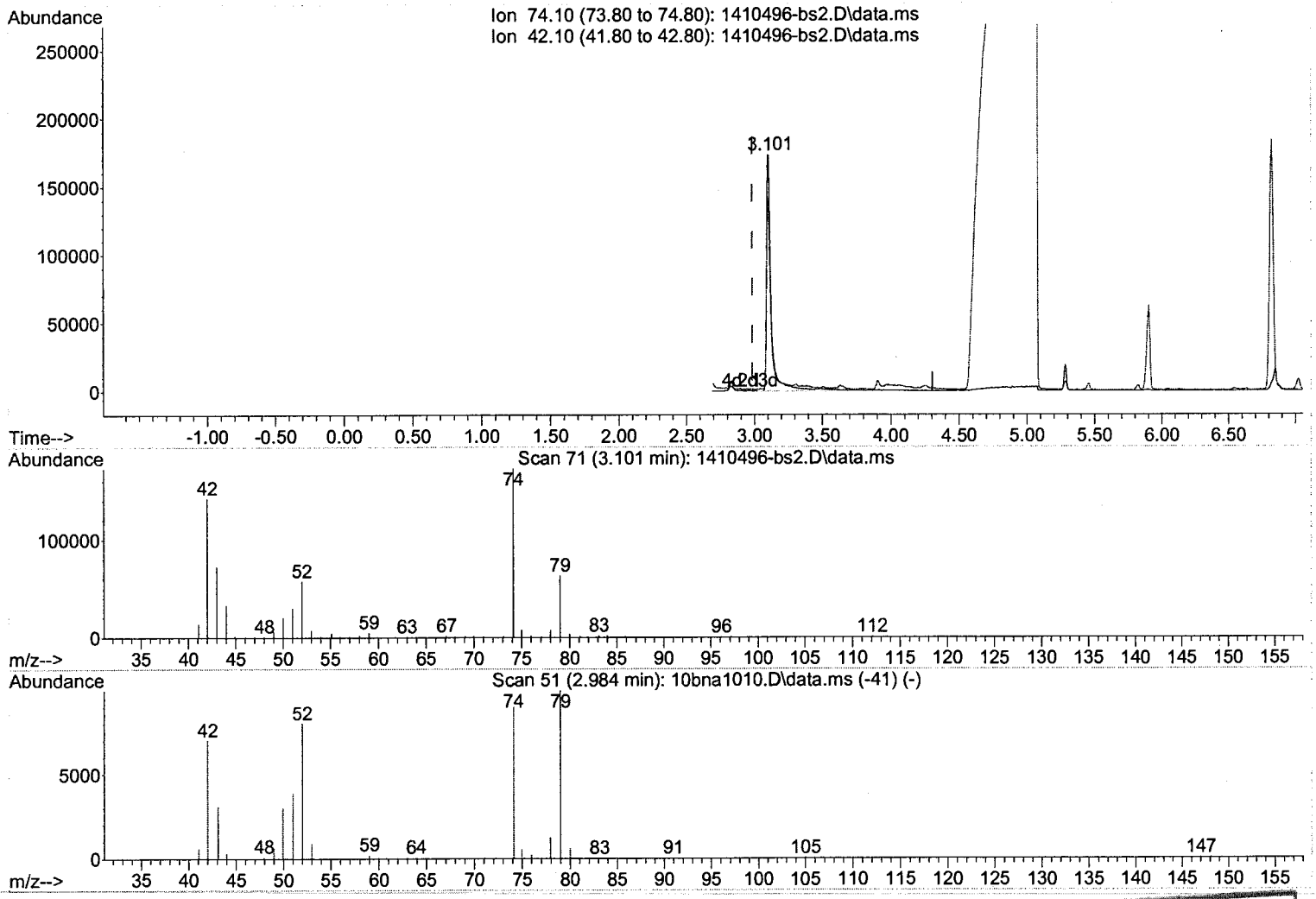
JLS 10/10/14
DWS
10-17-14

004565

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-bs2.D
Acq On : 10 Oct 2014 10:22
Operator : JLB
Sample : 1410496-bs2 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 13:03:15 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 13:01:39 2014
Response via : Initial Calibration



TIC: 1410496-bs2.D\data.ms

(2) N-Nitroso-dimethylamine

3.101min (+ 0.117) 7.38 ng/uL m

response 430758

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	0.03#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

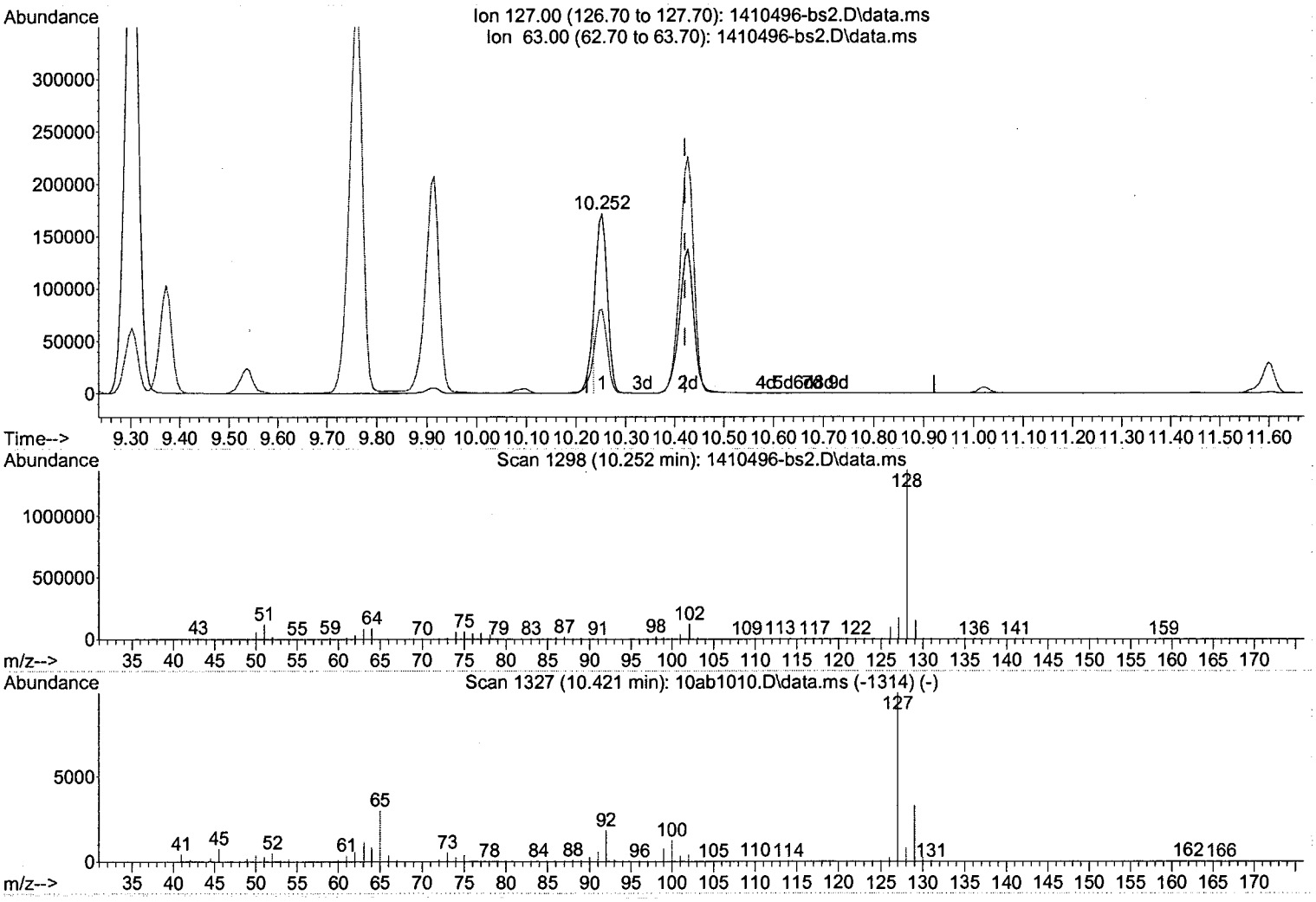
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/10/14
Reviewed By: DWS Date: 10-17-14

004566

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-bs2.D
Acq On : 10 Oct 2014 10:22
Operator : JLB
Sample : 1410496-bs2 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 12:58:58 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 12:58:17 2014
Response via : Initial Calibration



TIC: 1410496-bs2.D\data.ms

(9) 4-Chloroaniline

10.252min (-0.169) 2.24 ng/uL

response 264471

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	46.61
0.00	0.00	0.00
0.00	0.00	0.00

JW 10/10/14

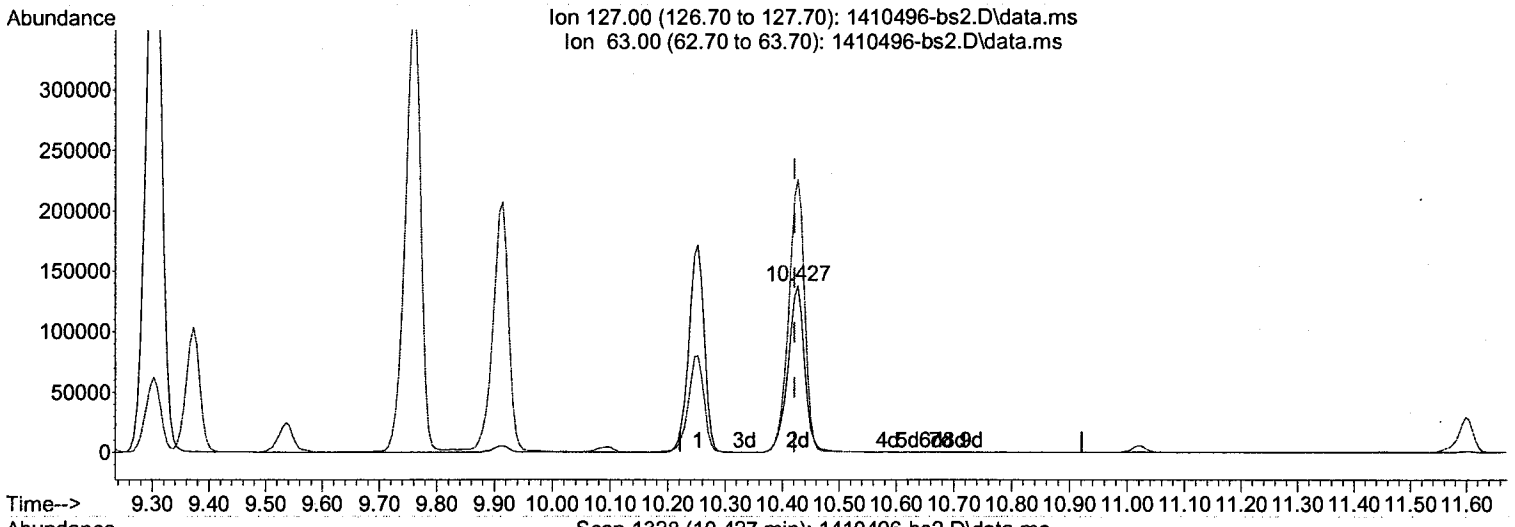
DWS
10-17-14

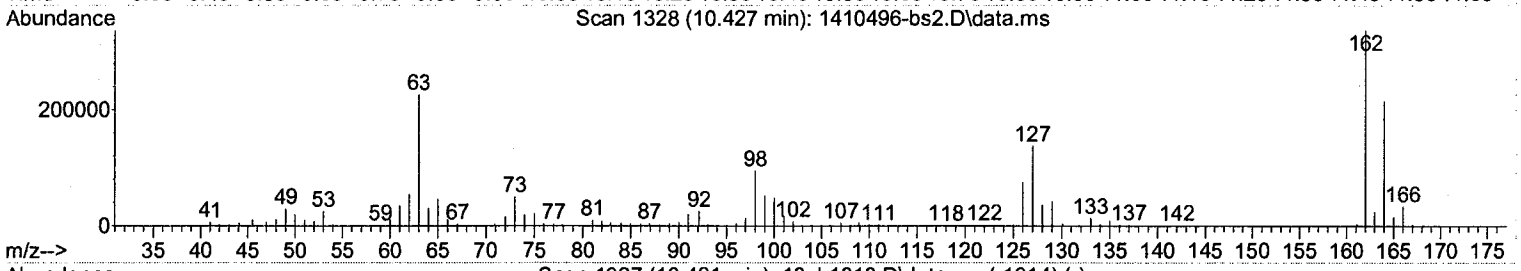
004567

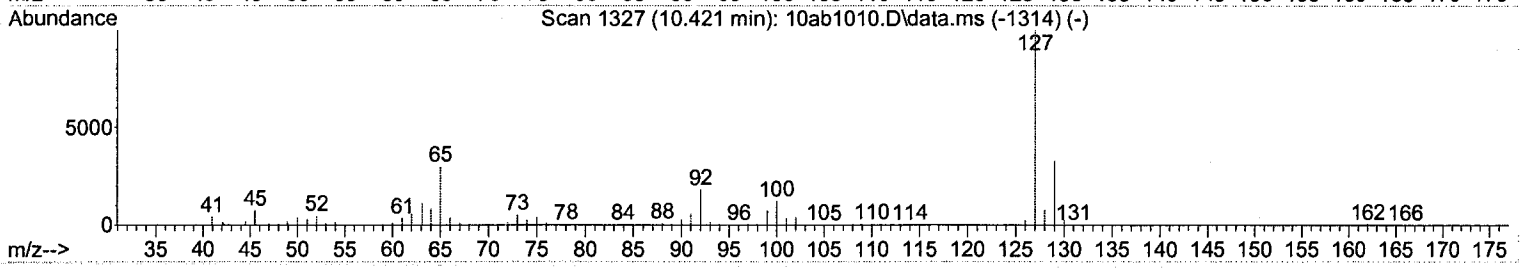
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014_339\
Data File : 1410496-bs2.D
Acq On : 10 Oct 2014 10:22
Operator : JLB
Sample : 1410496-bs2 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 12:58:58 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Fri Oct 10 12:58:17 2014
Response via : Initial Calibration







TIC: 1410496-bs2.D\data.ms

(9) 4-Chloroaniline

10.427min (+ 0.006) 2.39 ng/uL m

response 282939

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	43.57
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No

Analyst: JLB Date: 10/10/14

Reviewed By: DWC Date: 10-17-14

004568

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410563-BS1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410563

Sequence: 4J09062

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	340	222	65	40 - 123	ug/kg wet
Acenaphthylene	340	217	64	32 - 132	ug/kg wet
Anthracene	340	240	70	47 - 123	ug/kg wet
Benzo(a)anthracene	340	248	73	49 - 126	ug/kg wet
Benzo(a)pyrene	340	253	74	45 - 129	ug/kg wet
Benzo(b)fluoranthene	340	259	76	45 - 132	ug/kg wet
Benzo(k)fluoranthene	340	219	64	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	340	283	83	43 - 134	ug/kg wet
Benzoic Acid	1700	567	33	0 - 110	ug/kg wet
Benzyl Alcohol	340	219	64	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	340	237	70	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	340	285	84	48 - 132	ug/kg wet
Carbazole	340	250	74	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	340	210	62	45 - 122	ug/kg wet
4-Chloroaniline	340	79.6	23	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	340	220	65	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	340	213	62	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	340	201	59	33 - 131	ug/kg wet
2-Chloronaphthalene	340	235	69	41 - 114	ug/kg wet
2-Chlorophenol	340	214	63	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	340	220	65	45 - 121	ug/kg wet
Chrysene	340	255	75	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	340	291	85	45 - 134	ug/kg wet
Dibenzofuran	340	218	64	44 - 120	ug/kg wet
Di-n-butyl Phthalate	340	250	73	51 - 128	ug/kg wet
1,4-Dichlorobenzene	340	216	63	31 - 115	ug/kg wet
1,2-Dichlorobenzene	340	223	66	33 - 117	ug/kg wet
1,3-Dichlorobenzene	340	213	63	30 - 115	ug/kg wet
3,3´-Dichlorobenzidine	680	ND	*	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410563-BS1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.4 grams / 1 mL

QC Batch: 1410563

Sequence: 4J09062

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	340	229	67	40 - 122	ug/kg wet
Diethyl Phthalate	340	232	68	50 - 124	ug/kg wet
2,4-Dimethylphenol	340	212	62	30 - 127	ug/kg wet
Dimethyl Phthalate	340	228	67	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	340	248	73	29 - 132	ug/kg wet
2,4-Dinitrophenol	340	247	72	15 - 130	ug/kg wet
2,6-Dinitrotoluene	340	227	67	46 - 124	ug/kg wet
2,4-Dinitrotoluene	340	235	69	48 - 126	ug/kg wet
Di-n-octyl Phthalate	340	273	80	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	340	231	68	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	340	297	87	51 - 133	ug/kg wet
Fluoranthene	340	237	70	50 - 127	ug/kg wet
Fluorene	340	222	65	43 - 125	ug/kg wet
Hexachlorobenzene	340	245	72	45 - 122	ug/kg wet
Hexachlorobutadiene	340	225	66	32 - 132	ug/kg wet
Hexachloroethane	340	205	60	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	340	291	85	45 - 133	ug/kg wet
Isophorone	340	195	57	30 - 122	ug/kg wet
2-Methylnaphthalene	340	223	66	38 - 122	ug/kg wet
3+4-Methylphenol	340	227	67	34 - 119	ug/kg wet
2-Methylphenol	340	211	62	32 - 122	ug/kg wet
Naphthalene	340	222	65	35 - 123	ug/kg wet
4-Nitroaniline	340	165	48	35 - 115	ug/kg wet
2-Nitroaniline	340	204	60	45 - 120	ug/kg wet
3-Nitroaniline	340	99.3	29	25 - 110	ug/kg wet
Nitrobenzene	340	216	64	34 - 122	ug/kg wet
2-Nitrophenol	340	233	69	36 - 123	ug/kg wet
4-Nitrophenol	340	239	70	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	340	196	58	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410563

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410563-BS1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.4 grams / 1 mL

Sequence: 4J09062

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	340	236	69	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	340	225	66	36 - 120	ug/kg wet
Pentachlorophenol	340	249	73	25 - 133	ug/kg wet
Phenanthrene	340	235	69	50 - 121	ug/kg wet
Phenol	340	215	63	34 - 121	ug/kg wet
Pyrene	340	255	75	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	340	224	66	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	340	225	66	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	340	229	67	39 - 126	ug/kg wet

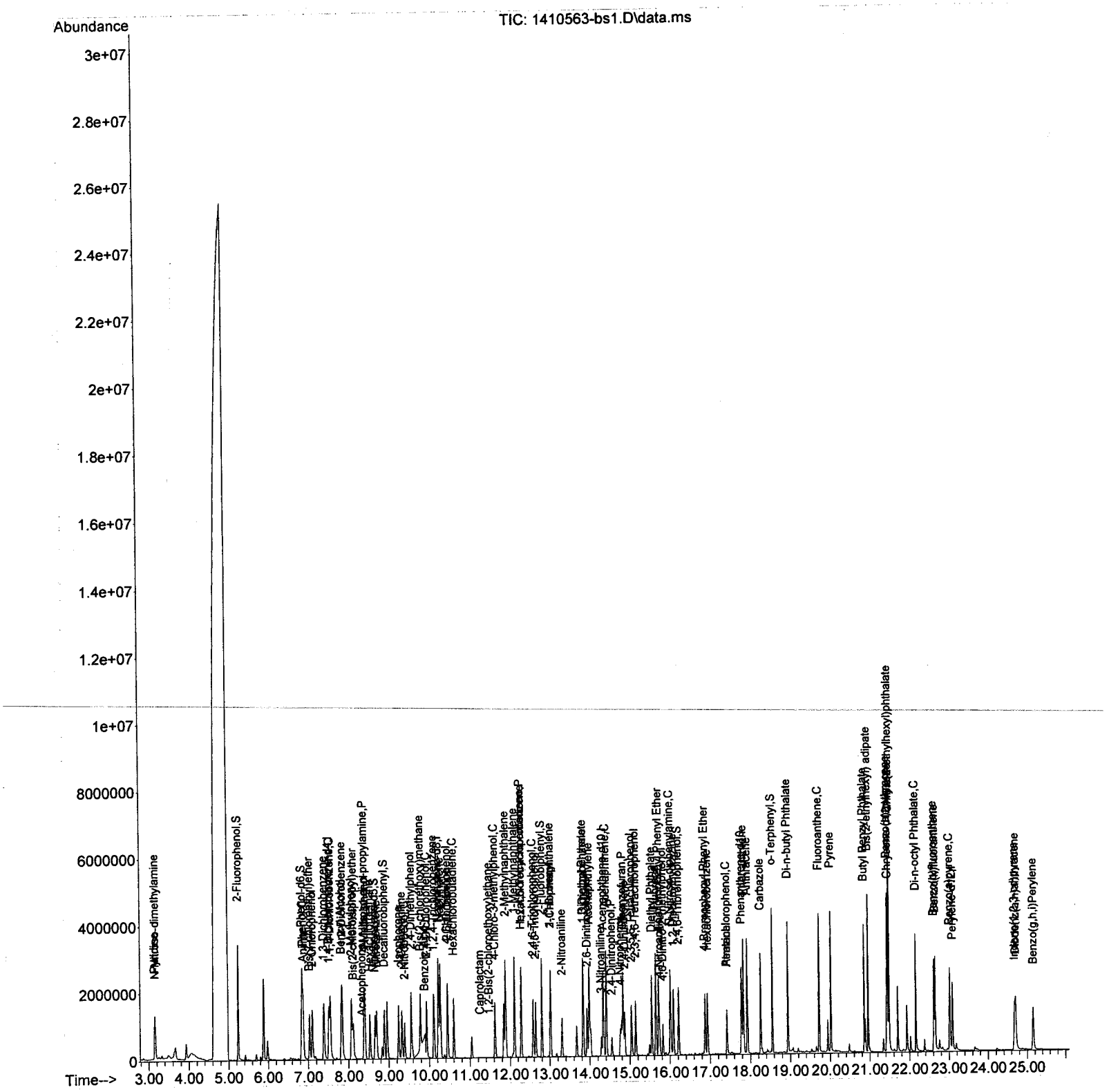
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-bs1.D
Acq On : 8 Oct 2014 16:34
Operator : JLB
Sample : 1410563-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 15:28:47 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-bs1.D
Acq On : 8 Oct 2014 16:34
Operator : JLB
Sample : 1410563-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 15:28:47 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.509	152	487852	5.00	ng/uL		0.02
20) Naphthalene-d8	10.225	136	1839291	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.334	164	1037938	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.785	188	1563796	5.00	ng/uL		0.00
81) Chrysene-d12	21.451	240	1189663	5.00	ng/uL	#	0.00
89) Perylene-d12	23.089	264	1077076	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.242	112	1482744	13.30	ng/uL		0.17
6) Phenol-d6	6.844	99	1993780	13.82	ng/uL		0.05
21) Nitrobenzene-d5	8.657	82	827686	7.04	ng/uL		0.00
23) Decafluorobiphenyl	8.890	334	621882	7.54	ng/uL		0.00
47) 2-Fluorobiphenyl	12.801	172	1615938	7.53	ng/uL		-0.01
70) 2,4,6-Tribromophenol	16.217	330	374450	15.79	ng/uL		0.00
78) o-Terphenyl	18.554	230	1118397	8.34	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.161	74	415495	5.77	ng/uL		84
3) Pyridine	3.149	79	721980	5.85	ng/uL		85
5) Aniline	6.879	93	512933	4.43	ng/uL	#	1
7) Phenol	6.868	94	1035244	6.31	ng/uL		97
8) Bis(2-chloroethyl)ether	7.031	93	862999	6.25	ng/uL		85
9) 2-Chlorophenol	7.101	128	819481	6.30	ng/uL	#	34
10) 1,3-Dichlorobenzene	7.386	146	882097	6.26	ng/uL		97
11) 1,4-Dichlorobenzene	7.544	146	897818	6.34	ng/uL		97
12) 1,2-Dichlorobenzene	7.841	146	869391	6.57	ng/uL		95
13) Bis(2-chloroisipropyl)...	8.121	45	1300177	5.92	ng/uL		99
14) Benzyl Alcohol	7.818	108	541096	6.45	ng/uL		83
15) 2-Methylphenol	8.074	108	720696	6.19	ng/uL		96
16) Acetophenone	8.337	105	3083	0.02	ng/uL	#	19
17) Hexachloroethane	8.529	119	317476	6.04	ng/uL		97
18) 4-Methylphenol	8.406	108	773879	6.67	ng/uL		89
19) N-Nitroso-di-n-propyla...	8.389	70	582621	6.62	ng/uL		99
22) Nitrobenzene	8.698	77	817476	6.36	ng/uL	#	56
24) Isophorone	9.246	82	1355119	5.73	ng/uL		97
25) 2-Chloroaniline	9.327	127	829911	5.51	ng/uL		99
26) 2-Nitrophenol	9.397	139	418817	6.86	ng/uL	#	84
27) 2,4-Dimethylphenol	9.561	107	737847	6.23	ng/uL	#	58
28) Bis(2-chlorethoxy)methane	9.782	93	928309	6.47	ng/uL		97
29) 2,4-Dichlorophenol	9.939	162	627660	6.72	ng/uL		99
30) Benzoic Acid	9.893	105	1432354	16.66	ng/uL		97
31) 1,2,4-Trichlorobenzene	10.114	180	702238	6.60	ng/uL		98
32) Naphthalene	10.277	128	2397890	6.53	ng/uL		99
33) 4-Chloroaniline	10.447	127	349213	(d) ~~3.88~~	ng/uL	#	1
34) 2,6-Dichlorophenol	10.452	162	628009	6.77	ng/uL		92
35) Hexachlorobutadiene	10.604	225	383854	6.61	ng/uL		98
36) Caprolactam	11.251	55	4200	0.08	ng/uL	#	61
37) 1,2-Bis(2-chloroethoxy...	11.472	63	1458	0.01	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.624	107	635636	6.18	ng/uL		93
39) 2-Methylnaphthalene	11.892	142	1534354	6.56	ng/uL		99
40) 1-Methylnaphthalene	12.114	142	1511155	7.10	ng/uL		100
41) 1,3 Dinitrobenzene	13.839	168	237599	6.20	ng/uL		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-bs1.D
Acq On : 8 Oct 2014 16:34
Operator : JLB
Sample : 1410563-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 15:28:47 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 15:27:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.283	216	633219	6.89	ng/uL	99
44) Hexachlorocyclopentadiene	12.277	237	208952	4.09	ng/uL	99
45) 2,4,6-Trichlorophenol	12.580	196	400076	6.73	ng/uL	96
46) 2,4,5-Trichlorophenol	12.644	196	411807	6.62	ng/uL	94
48) 2-Chloronaphthalene	13.023	162	1391173	6.92	ng/uL	98
49) 1,1'-Biphenyl	13.017	154	2413	0.01	ng/uL#	68
50) 2-Nitroaniline	13.308	138	440573	ab ~~6.49~~	ng/uL	98
51) Acenaphthylene	13.990	152	2122386	6.38	ng/uL#	79
52) 2,6-Dinitrotoluene	13.938	165	356938	6.66	ng/uL	94
53) Dimethyl Phthalate	13.833	163	1502801	6.69	ng/uL	98
54) 3-Nitroaniline	14.288	138	183420	ab ~~3.90~~	ng/uL#	1
55) Acenaphthene	14.410	153	1428014	6.52	ng/uL	98
56) 2,4-Dinitrophenol	14.550	184	144059	7.25	ng/uL	92
57) Dibenzofuran	14.830	168	1819505	6.40	ng/uL	98
58) 4-Nitrophenol	14.766	65	297664	7.03	ng/uL	92
59) 2,4-Dinitrotoluene	14.876	165	464309	6.90	ng/uL#	87
60) 2,3,5,6-Tetrachlorophenol	15.045	232	345437	6.75	ng/uL	99
61) 2,3,4,6-Tetrachlorophenol	15.144	232	354445	6.88	ng/uL	99
62) Fluorene	15.646	166	1503102	6.54	ng/uL	96
63) Diethyl Phthalate	15.547	149	1442639	6.82	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.721	204	686546	6.47	ng/uL	95
65) 4-Nitroaniline	15.739	138	266600	ab ~~7.84~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.826	198	255665	7.29	ng/uL	99
68) N-Nitroso-diphenylamine	16.013	169	1200362	6.94	ng/uL	98
69) 1,2-Diphenylhydrazine	16.094	182	425091	6.78	ng/uL#	75
71) 4-Bromophenyl Phenyl E...	16.875	248	368222	6.97	ng/uL	98
72) Hexachlorobenzene	16.940	284	416638	7.21	ng/uL	98
73) Atrazine	17.412	200	47788	0.92	ng/uL#	25
74) Pentachlorophenol	17.412	266	248356	7.33	ng/uL	96
75) Phenanthrene	17.831	178	2095173	6.92	ng/uL	98
76) Anthracene	17.925	178	2060663	7.05	ng/uL	99
77) Carbazole	18.257	167	1854272	7.36	ng/uL	98
79) Di-n-butyl Phthalate	18.945	149	2209890	7.34	ng/uL	99
80) Fluoroanthene	19.726	202	2010215	6.96	ng/uL	94
82) Pyrene	20.017	202	2114645	7.49	ng/uL	100
83) Butyl Benzyl Phthalate	20.856	149	932317	8.37	ng/uL	88
84) Bis(2-ethylhexyl) adipate	20.956	129	834730	7.62	ng/uL#	100
85) Benzo(a)anthracene	21.439	228	1583475	7.30	ng/uL	98
86) Chrysene	21.480	228	1589846	7.50	ng/uL#	89
87) Bis(2-ethylhexyl)phtha...	21.486	149	1247483	8.74	ng/uL	92
88) Di-n-octyl Phthalate	22.156	149	2012442	8.02	ng/uL	100
90) Benzo(b)fluoroanthene	22.617	252	1487289	7.60	ng/uL	99
91) Benzo(k)fluoranthene	22.652	252	1425589	6.45	ng/uL	97
92) Benzo(a)pyrene	23.019	252	1371053	7.43	ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.680	276	1365482	8.55	ng/uL	90
94) Dibdenz(a,h)anthracene	24.709	278	1115390	8.55	ng/uL#	91
95) Benzo(g,h,i)Perylene	25.158	276	1143438	8.31	ng/uL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-bs1.D
Acq On : 8 Oct 2014 16:34
Operator : JLB
Sample : 1410563-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 09:02:48 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration

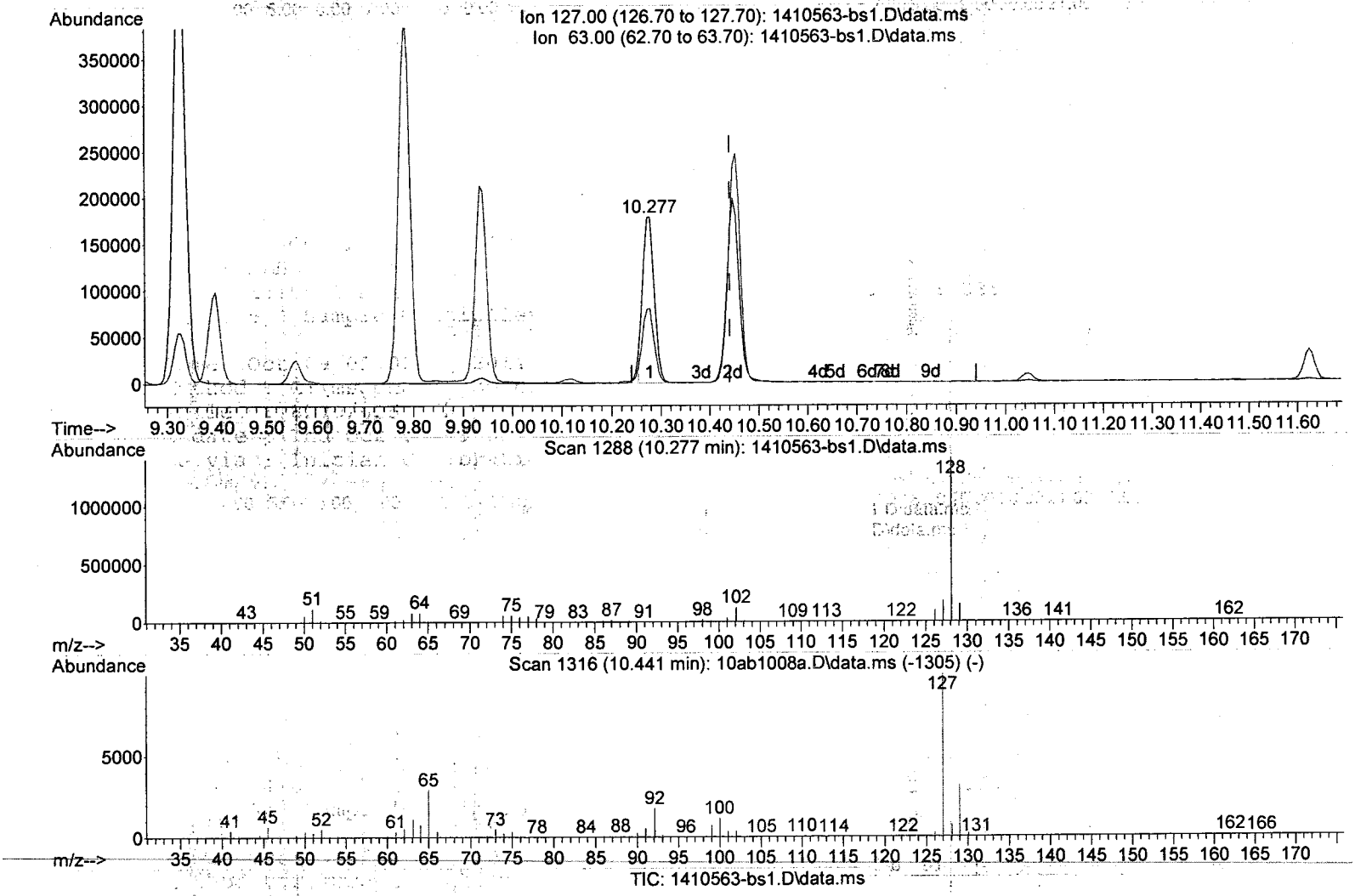
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.509	152	480303	5.00	ng/uL		0.02
8) Naphthalene-d8	10.225	136	1839291	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.334	164	1037938	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.785	188	1564758	5.00	ng/uL		0.00
19) Chrysene-d12	21.451	240	1189663	5.00	ng/uL	#	0.00
22) Perylene-d12	23.089	264	1080001	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.161	74	465844	6.12	ng/uL		80
3) Pyridine	3.091	79	1035	0.01	ng/uL	#	77
4) Aniline	6.879	93	512933	2.50	ng/uL	#	1
5) Benzaldehyde	6.617	105	27802	0.26	ng/uL	#	81
6) Acetophenone	8.337	105	3083	0.02	ng/uL	#	19
7) N-Nitroso-di-n-propyla...	8.389	70	583061	6.31	ng/uL		99
9) 4-Chloroaniline	10.447	127	348802m	2.34	ng/uL		
10) Caprolactam	11.175	55	151	0.10	ng/uL	#	21
12) 1,1'-Biphenyl	13.017	154	2413	0.01	ng/uL	#	68
13) 2-Nitroaniline	13.308	138	440573	5.99	ng/uL		98
14) 3-Nitroaniline	14.288	138	183420	2.92	ng/uL	#	1
15) 4-Nitroaniline	15.739	138	264033	4.84	ng/uL	#	1
17) N-Nitroso-diphenylamine	16.013	169	1200533	6.59	ng/uL		98
18) Atrazine	17.412	200	48978	0.63	ng/uL	#	25
20) Benzidine	19.941	184	473246	3.17	ng/uL		96
21) 3,3'-Dichlorobenzidine	21.422	252	293347	4.29	ng/uL		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-bs1.D
Acq On : 8 Oct 2014 16:34
Operator : JLB
Sample : 1410563-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 09:02:34 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration



(9) 4-Chloroaniline

10.277min (-0.163) 1.93 ng/uL

response 286415

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	44.73
0.00	0.00	0.00
0.00	0.00	0.00

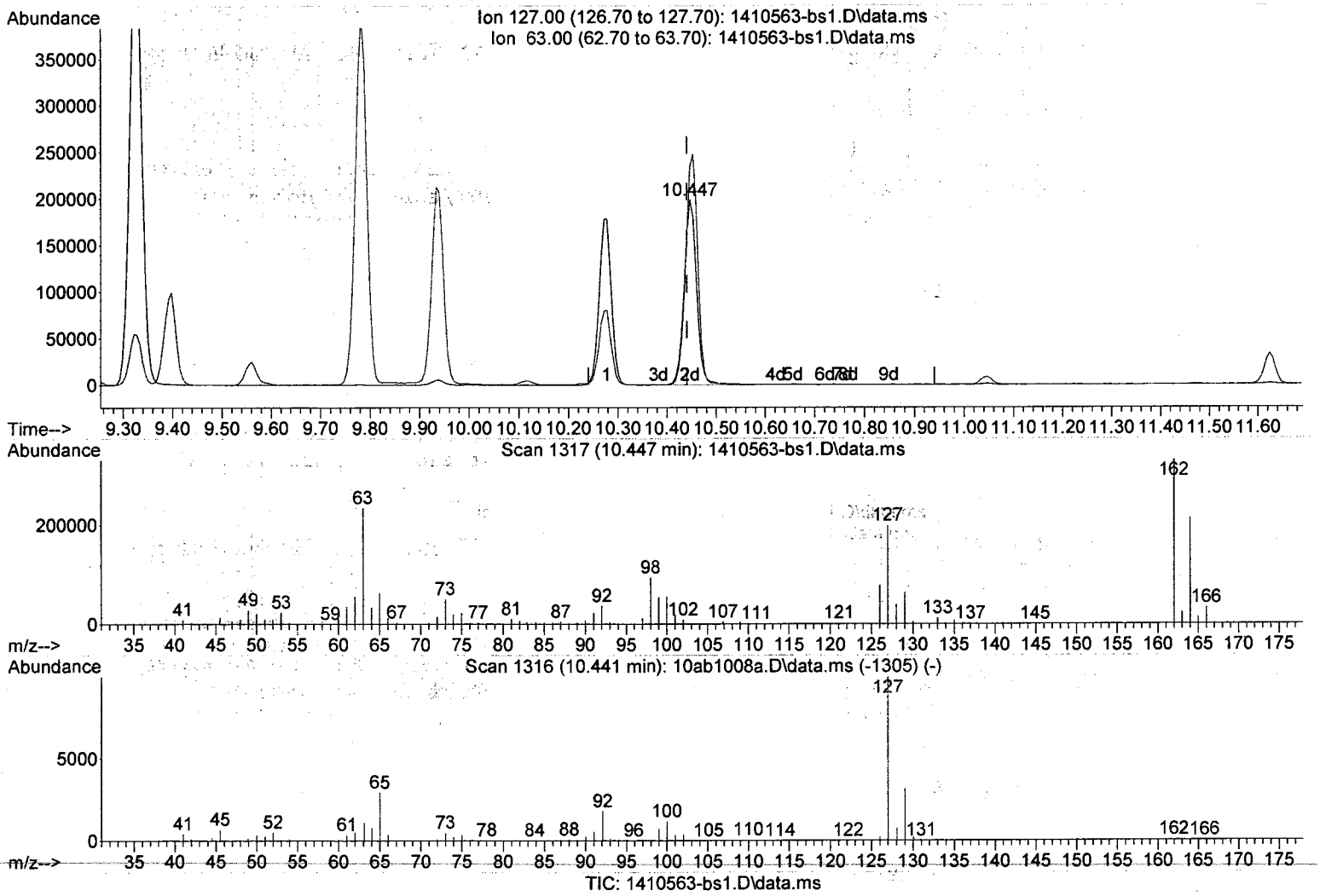
Dwr 10/7/14

JWS 10/10/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100814a_339\
Data File : 1410563-bs1.D
Acq On : 8 Oct 2014 16:34
Operator : JLB
Sample : 1410563-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 09:02:34 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 09:01:54 2014
Response via : Initial Calibration



TIC: 1410563-bs1.D\data.ms

(9) 4-Chloroaniline

10.447min (+ 0.006) 2.34 ng/uL m

response 348802

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	36.73#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No

Analyst: JWS Date: 10/10/14

Reviewed By: DWO Date: 10-17-14

004577

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410563-BS2

Preparation: 3550C Sonication Extraction

Initial/Final: 29 grams / 1 mL

QC Batch: 1410563

Sequence: 4J21016

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	345	313	91	40 - 123	ug/kg wet
Acenaphthylene	345	298	86	32 - 132	ug/kg wet
Anthracene	345	325	94	47 - 123	ug/kg wet
Benzo(a)anthracene	345	345	100	49 - 126	ug/kg wet
Benzo(a)pyrene	345	352	102	45 - 129	ug/kg wet
Benzo(b)fluoranthene	345	361	105	45 - 132	ug/kg wet
Benzo(k)fluoranthene	345	319	93	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	345	364	106	43 - 134	ug/kg wet
Benzoic Acid	1720	1500	87	0 - 110	ug/kg wet
Benzyl Alcohol	345	328	95	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	345	326	95	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	345	391	114	48 - 132	ug/kg wet
Carbazole	345	321	93	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	345	257	74	45 - 122	ug/kg wet
4-Chloroaniline	345	75.2	22	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	345	328	95	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	345	262	76	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	345	294	85	33 - 131	ug/kg wet
2-Chloronaphthalene	345	325	94	41 - 114	ug/kg wet
2-Chlorophenol	345	261	76	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	345	312	90	45 - 121	ug/kg wet
Chrysene	345	318	92	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	345	393	114	45 - 134	ug/kg wet
Dibenzofuran	345	314	91	44 - 120	ug/kg wet
Di-n-butyl Phthalate	345	353	102	51 - 128	ug/kg wet
1,4-Dichlorobenzene	345	287	83	31 - 115	ug/kg wet
1,2-Dichlorobenzene	345	299	87	33 - 117	ug/kg wet
1,3-Dichlorobenzene	345	286	83	30 - 115	ug/kg wet
3,3'-Dichlorobenzidine	690	ND	*	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410563-BS2

Preparation: 3550C Sonication Extraction

Initial/Final: 29 grams / 1 mL

QC Batch: 1410563

Sequence: 4J21016

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	345	329	95	40 - 122	ug/kg wet
Diethyl Phthalate	345	282	82	50 - 124	ug/kg wet
2,4-Dimethylphenol	345	139	40	30 - 127	ug/kg wet
Dimethyl Phthalate	345	264	76	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	345	326	94	29 - 132	ug/kg wet
2,4-Dinitrophenol	345	376	109	15 - 130	ug/kg wet
2,6-Dinitrotoluene	345	326	95	46 - 124	ug/kg wet
2,4-Dinitrotoluene	345	284	82	48 - 126	ug/kg wet
Di-n-octyl Phthalate	345	396	115	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	345	318	92	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	345	383	111	51 - 133	ug/kg wet
Fluoranthene	345	332	96	50 - 127	ug/kg wet
Fluorene	345	319	93	43 - 125	ug/kg wet
Hexachlorobenzene	345	311	90	45 - 122	ug/kg wet
Hexachlorobutadiene	345	297	86	32 - 132	ug/kg wet
Hexachloroethane	345	288	84	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	345	392	114	45 - 133	ug/kg wet
Isophorone	345	285	83	30 - 122	ug/kg wet
2-Methylnaphthalene	345	318	92	38 - 122	ug/kg wet
3+4-Methylphenol	345	319	92	34 - 119	ug/kg wet
2-Methylphenol	345	276	80	32 - 122	ug/kg wet
Naphthalene	345	307	89	35 - 123	ug/kg wet
4-Nitroaniline	345	191	55	35 - 115	ug/kg wet
2-Nitroaniline	345	238	69	45 - 120	ug/kg wet
3-Nitroaniline	345	144	42	25 - 110	ug/kg wet
Nitrobenzene	345	319	92	34 - 122	ug/kg wet
2-Nitrophenol	345	341	99	36 - 123	ug/kg wet
4-Nitrophenol	345	367	106	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	345	222	64	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410563-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 29 grams / 1 mL
Sequence: 4J21016

QC Batch: 1410563

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	345	265	77	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	345	328	95	36 - 120	ug/kg wet
Pentachlorophenol	345	328	95	25 - 133	ug/kg wet
Phenanthrene	345	324	94	50 - 121	ug/kg wet
Phenol	345	302	87	34 - 121	ug/kg wet
Pyrene	345	320	93	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	345	301	87	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	345	266	77	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	345	382	111	39 - 126	ug/kg wet

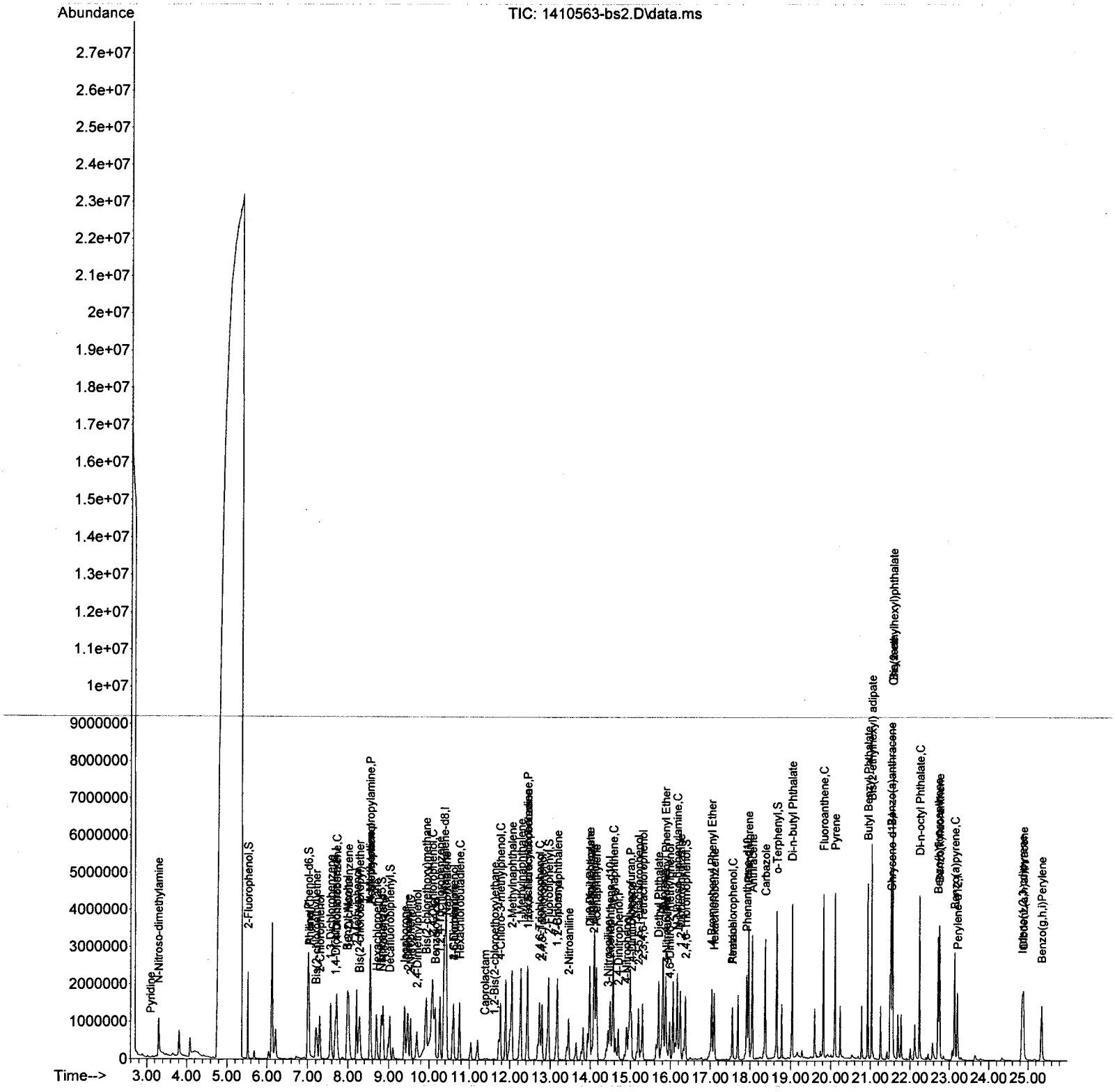
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410563-bs2.D
Acq On : 20 Oct 2014 19:49
Operator : JLB
Sample : 1410563-bs2 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 21 07:59:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



004581

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410563-bs2.D
Acq On : 20 Oct 2014 19:49
Operator : JLB
Sample : 1410563-bs2 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 21 07:59:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	376362	5.00	ng/uL	# 0.05
20) Naphthalene-d8	10.380	136	1409329	5.00	ng/uL	-0.01
42) Acenaphthene-d10	14.495	164	831551	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.916	188	1295277	5.00	ng/uL	0.00
81) Chrysene-d12	21.530	240	1083452	5.00	ng/uL	# 0.00
89) Perylene-d12	23.203	264	947818	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.524	112	794939m	9.24	ng/uL	0.31
6) Phenol-d6	7.016	99	2052792	18.44	ng/uL	0.08
21) Nitrobenzene-d5	8.818	82	863552	9.59	ng/uL	0.00
23) Decafluorobiphenyl	9.027	334	555124	8.79	ng/uL	0.00
47) 2-Fluorobiphenyl	12.962	172	1631266	9.49	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.383	330	310496	15.80	ng/uL	0.00
78) o-Terphenyl	18.668	230	1095576	9.87	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.292	74	358352	6.45	ng/uL	82
3) Pyridine	3.094	79	196	0.00	ng/uL	86
5) Aniline	7.040	93	24310	0.48	ng/uL#	1
7) Phenol	7.040	94	1107101	8.75	ng/uL#	82
8) Bis(2-chloroethyl)ether	7.209	93	810404	7.61	ng/uL#	79
9) 2-Chlorophenol	7.296	128	760878	7.58	ng/uL#	71
10) 1,3-Dichlorobenzene	7.564	146	901726	8.29	ng/uL	95
11) 1,4-Dichlorobenzene	7.716	146	908806	8.32	ng/uL	95
12) 1,2-Dichlorobenzene	8.007	146	884428	8.67	ng/uL	92
13) Bis(2-chloroisipropyl)...	8.281	45	1443198	8.52	ng/uL	96
14) Benzyl Alcohol	7.978	108	615966	9.52	ng/uL	85
15) 2-Methylphenol	8.211	108	718588	7.99	ng/uL	96
16) Acetophenone	8.538	105	11164	0.08	ng/uL#	1
17) Hexachloroethane	8.701	119	339025	8.36	ng/uL	97
18) 4-Methylphenol	8.544	108	827520	9.24	ng/uL	88
19) N-Nitroso-di-n-propyla...	8.538	70	644514	9.50	ng/uL	98
22) Nitrobenzene	8.858	77	910707	9.25	ng/uL#	62
24) Isophorone	9.395	82	1498556	8.27	ng/uL	98
25) 2-Chloroaniline	9.476	127	826173	7.16	ng/uL	99
26) 2-Nitrophenol	9.546	139	463541	9.90	ng/uL#	87
27) 2,4-Dimethylphenol	9.703	107	364743	4.02	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.931	93	1043675	9.50	ng/uL	96
29) 2,4-Dichlorophenol	10.082	162	681724	9.53	ng/uL	98
30) Benzoic Acid	10.158	105	3171927	43.51	ng/uL	94
31) 1,2,4-Trichlorobenzene	10.269	180	711364	8.72	ng/uL	98
32) Naphthalene	10.432	128	2501668	8.89	ng/uL	98
33) 4-Chloroaniline	10.607	127	248786	~~3.61~~	ng/uL#	1
34) 2,6-Dichlorophenol	10.607	162	662139	9.32	ng/uL	94
35) Hexachlorobutadiene	10.758	225	383433	8.62	ng/uL	98
36) Caprolactam	11.382	55	13408	0.33	ng/uL#	62
37) 1,2-Bis(2-chloroethoxy...	11.621	63	1615	0.02	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.767	107	587007	7.44	ng/uL#	74
39) 2-Methylnaphthalene	12.052	142	1649963	9.21	ng/uL	99
40) 1-Methylnaphthalene	12.274	142	1621067	9.94	ng/uL	99
41) 1,3 Dinitrobenzene	13.988	168	225337	7.70	ng/uL	100

004582

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410563-bs2.D
Acq On : 20 Oct 2014 19:49
Operator : JLB
Sample : 1410563-bs2 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 21 07:59:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.443	216	643869	8.74	ng/uL	98
44) Hexachlorocyclopentadiene	12.437	237	295058	7.21	ng/uL	97
45) 2,4,6-Trichlorophenol	12.734	196	528031m	11.08	ng/uL	
46) 2,4,5-Trichlorophenol	12.798	196	383788m	7.70	ng/uL	
48) 2-Chloronaphthalene	13.183	162	1518548	9.43	ng/uL	100
49) 1,1'-Biphenyl	13.172	154	1948	0.01	ng/uL#	76
50) 2-Nitroaniline	13.463	138	404637	ah ~~7.44~~	ng/uL	93
51) Acenaphthylene	14.151	152	2301734	8.64	ng/uL#	88
52) 2,6-Dinitrotoluene	14.087	165	406083m	9.46	ng/uL	
53) Dimethyl Phthalate	13.993	163	1375950	7.65	ng/uL	99
54) 3-Nitroaniline	14.448	138	209128	ah ~~5.55~~	ng/uL#	1
55) Acenaphthene	14.576	153	1594642	9.09	ng/uL	98
56) 2,4-Dinitrophenol	14.699	184	210685	10.90	ng/uL	95
57) Dibenzofuran	14.996	168	2076117	9.12	ng/uL	99
58) 4-Nitrophenol	14.903	65	361314	10.65	ng/uL	93
59) 2,4-Dinitrotoluene	15.031	165	444151	8.24	ng/uL#	69
60) 2,3,5,6-Tetrachlorophenol	15.200	232	289272	7.06	ng/uL	97
61) 2,3,4,6-Tetrachlorophenol	15.305	232	334062	8.09	ng/uL	96
62) Fluorene	15.812	166	1705861	9.26	ng/uL#	96
63) Diethyl Phthalate	15.701	149	1383975	8.17	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.882	204	768685	9.04	ng/uL	88
65) 4-Nitroaniline	15.893	138	257516	ah ~~9.45~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.981	198	284329	9.44	ng/uL	95
68) N-Nitroso-diphenylamine	16.173	169	1099402	7.68	ng/uL	100
69) 1,2-Diphenylhydrazine	16.255	182	478706	9.22	ng/uL#	78
71) 4-Bromophenyl Phenyl E...	17.036	248	413740	9.46	ng/uL	99
72) Hexachlorobenzene	17.100	284	431315	9.02	ng/uL#	95
73) Atrazine	17.555	200	53274	1.23	ng/uL#	26
74) Pentachlorophenol	17.555	266	266515	9.50	ng/uL	96
75) Phenanthrene	17.957	178	2354747	9.39	ng/uL	100
76) Anthracene	18.056	178	2283624	9.43	ng/uL	100
77) Carbazole	18.376	167	1942144	9.30	ng/uL	99
79) Di-n-butyl Phthalate	19.041	149	2554479	10.25	ng/uL	100
80) Fluoroanthene	19.822	202	2302005	9.62	ng/uL	95
82) Pyrene	20.113	202	2385969	9.28	ng/uL	97
83) Butyl Benzyl Phthalate	20.935	149	1151247	11.35	ng/uL	92
84) Bis(2-ethylhexyl) adipate	21.029	129	1028139	10.28	ng/uL#	100
85) Benzo(a)anthracene	21.518	228	1974257	10.00	ng/uL	97
86) Chrysene	21.553	228	1777813	9.21	ng/uL#	86
87) Bis(2-ethylhexyl)phtha...	21.559	149	1442725	11.10	ng/uL	94
88) Di-n-octyl Phthalate	22.241	149	2654598	11.47	ng/uL	100
90) Benzo(b)fluoroanthene	22.713	252	1800892	10.46	ng/uL	97
91) Benzo(k)fluoranthene	22.748	252	1801238	9.26	ng/uL	96
92) Benzo(a)pyrene	23.133	252	1656704	10.20	ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.852	276	1599275	11.38	ng/uL#	84
94) Dibdenz(a,h)anthracene	24.881	278	1310113	11.41	ng/uL#	86
95) Benzo(g,h,i)Perylene	25.348	276	1280273	10.57	ng/uL	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410563-bs2.D
Acq On : 20 Oct 2014 19:49
Operator : JLB
Sample : 1410563-bs2 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 21 07:48:31 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

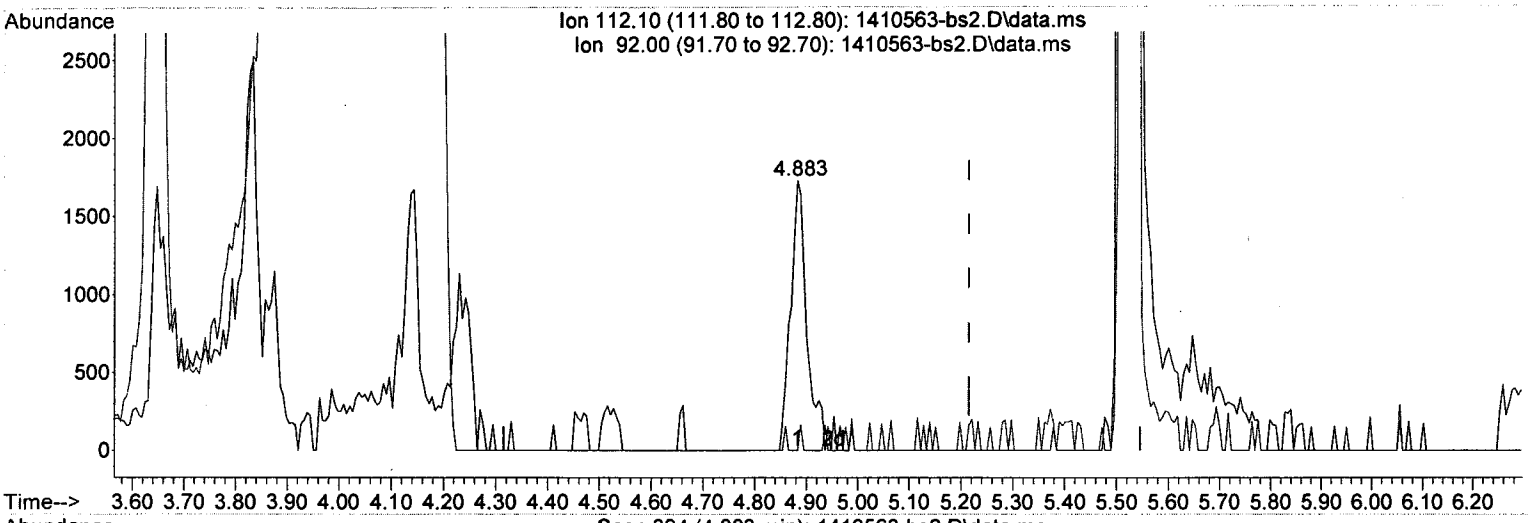
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.687	152	363803	5.00	ng/uL		0.04
8) Naphthalene-d8	10.380	136	1409329	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.495	164	828963	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.916	188	1296207	5.00	ng/uL		0.00
19) Chrysene-d12	21.530	240	1083452	5.00	ng/uL	#	0.01
22) Perylene-d12	23.203	264	947818	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.292	74	487321	8.45	ng/uL		84
3) Pyridine	3.094	79	196	0.00	ng/uL		86
4) Aniline	7.040	93	24310	0.16	ng/uL	#	1
5) Benzaldehyde	6.801	105	945	0.01	ng/uL	#	73
6) Acetophenone	8.538	105	11164	0.08	ng/uL	#	1
7) N-Nitroso-di-n-propyla...	8.538	70	644743	9.22	ng/uL		98
9) 4-Chloroaniline	10.607	127	248786	2.18	ng/uL	#	1
10) Caprolactam	11.382	55	7768	0.27	ng/uL	#	68
12) 1,1'-Biphenyl	13.172	154	1948	0.01	ng/uL	#	76
13) 2-Nitroaniline	13.463	138	404637	6.89	ng/uL		93
14) 3-Nitroaniline	14.448	138	209128	4.19	ng/uL	#	1
15) 4-Nitroaniline	15.893	138	241313	5.54	ng/uL	#	1
17) N-Nitroso-diphenylamine	16.173	169	1099402	7.29	ng/uL		100
18) Atrazine	17.555	200	54670	0.93	ng/uL	#	26
20) Benzidine	20.032	184	1116	0.42	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.495	252	472195	7.58	ng/uL		99

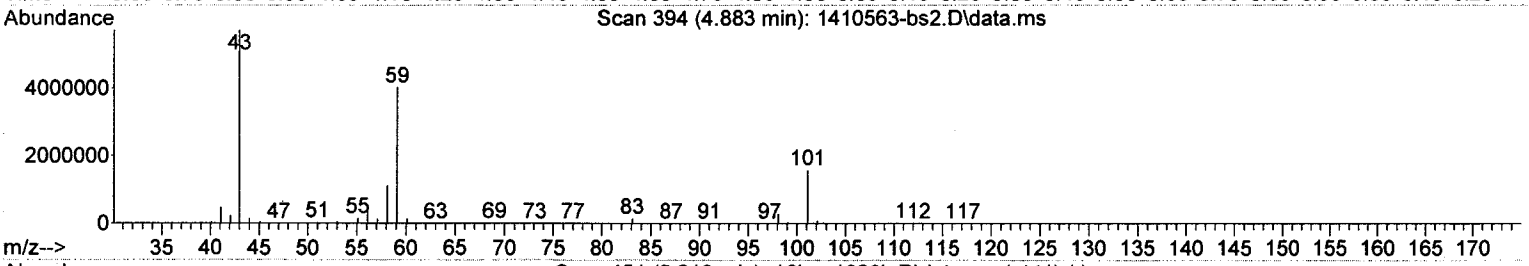
(#) = qualifier out of range (m) = manual integration (+) = signals summed

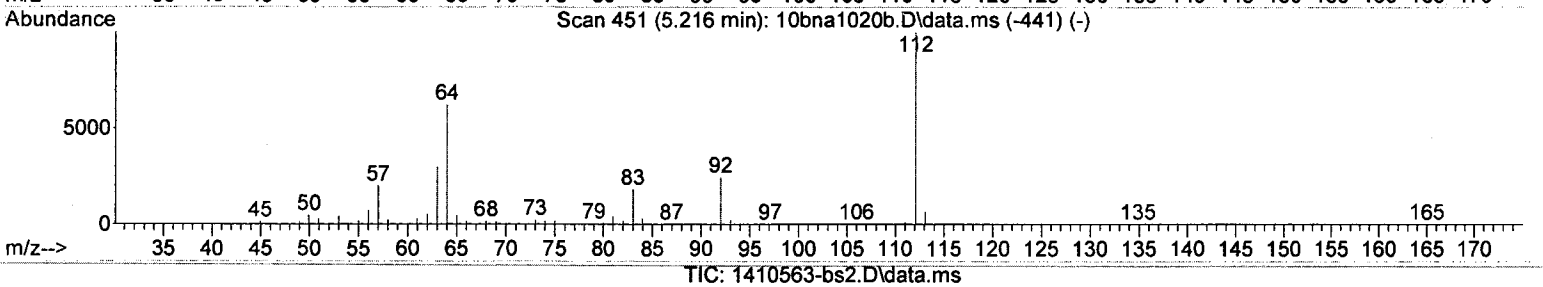
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410563-bs2.D
Acq On : 20 Oct 2014 19:49
Operator : JLB
Sample : 1410563-bs2 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 21 07:57:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410563-bs2.D\data.ms

(4) 2-Fluorophenol (S)

4.883min (-0.332) 0.04 ng/uL

response 3776

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

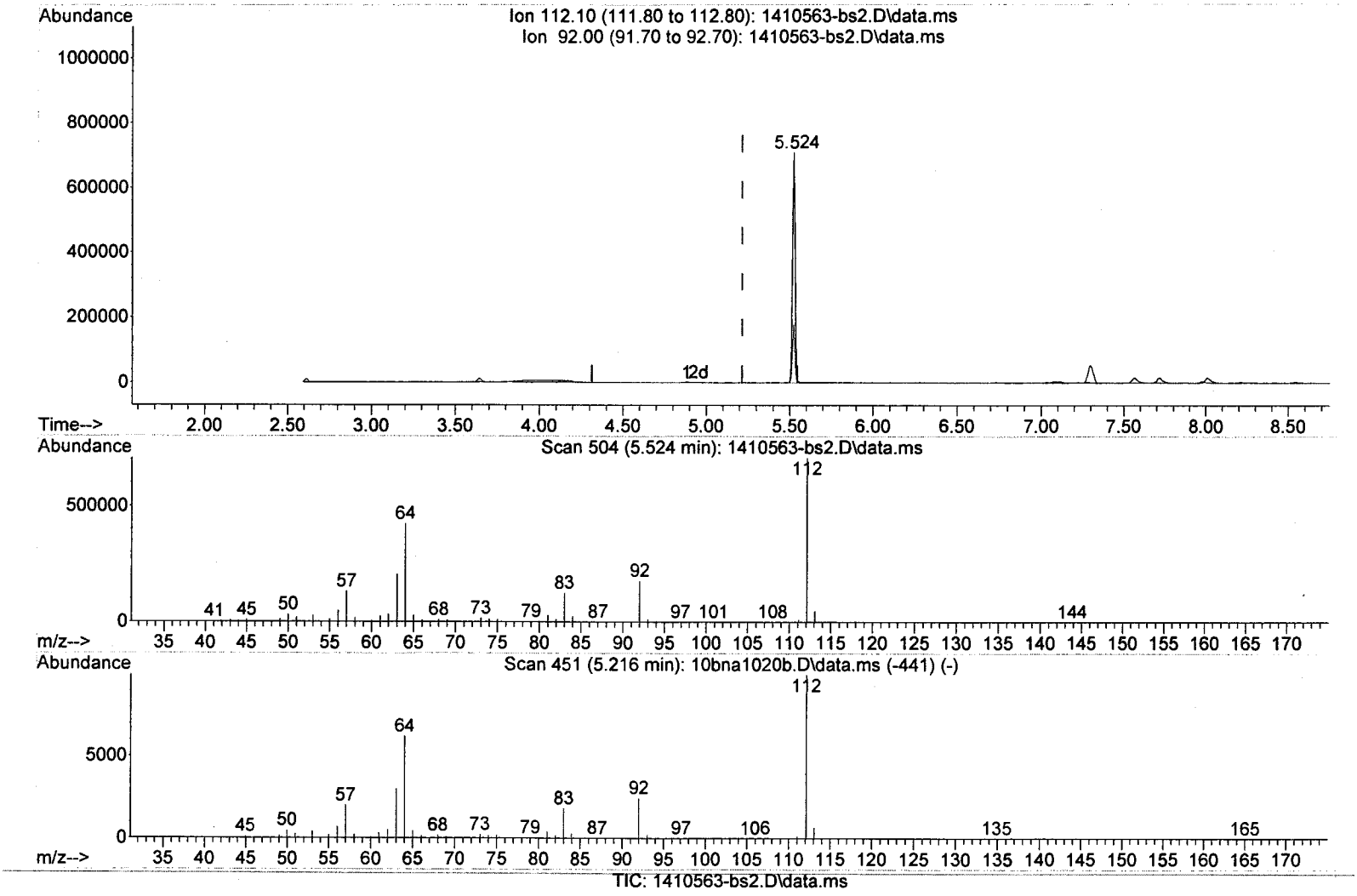
JLB 10/21/14

004585

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410563-bs2.D
Acq On : 20 Oct 2014 19:49
Operator : JLB
Sample : 1410563-bs2 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 21 07:57:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410563-bs2.D\data.ms

(4) 2-Fluorophenol (S)

5.524min (+ 0.309) 9.24 ng/uL m

response 794939

Ion	Exp%	Act%
112.10	100.00	100.00
92.00	24.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/21/14

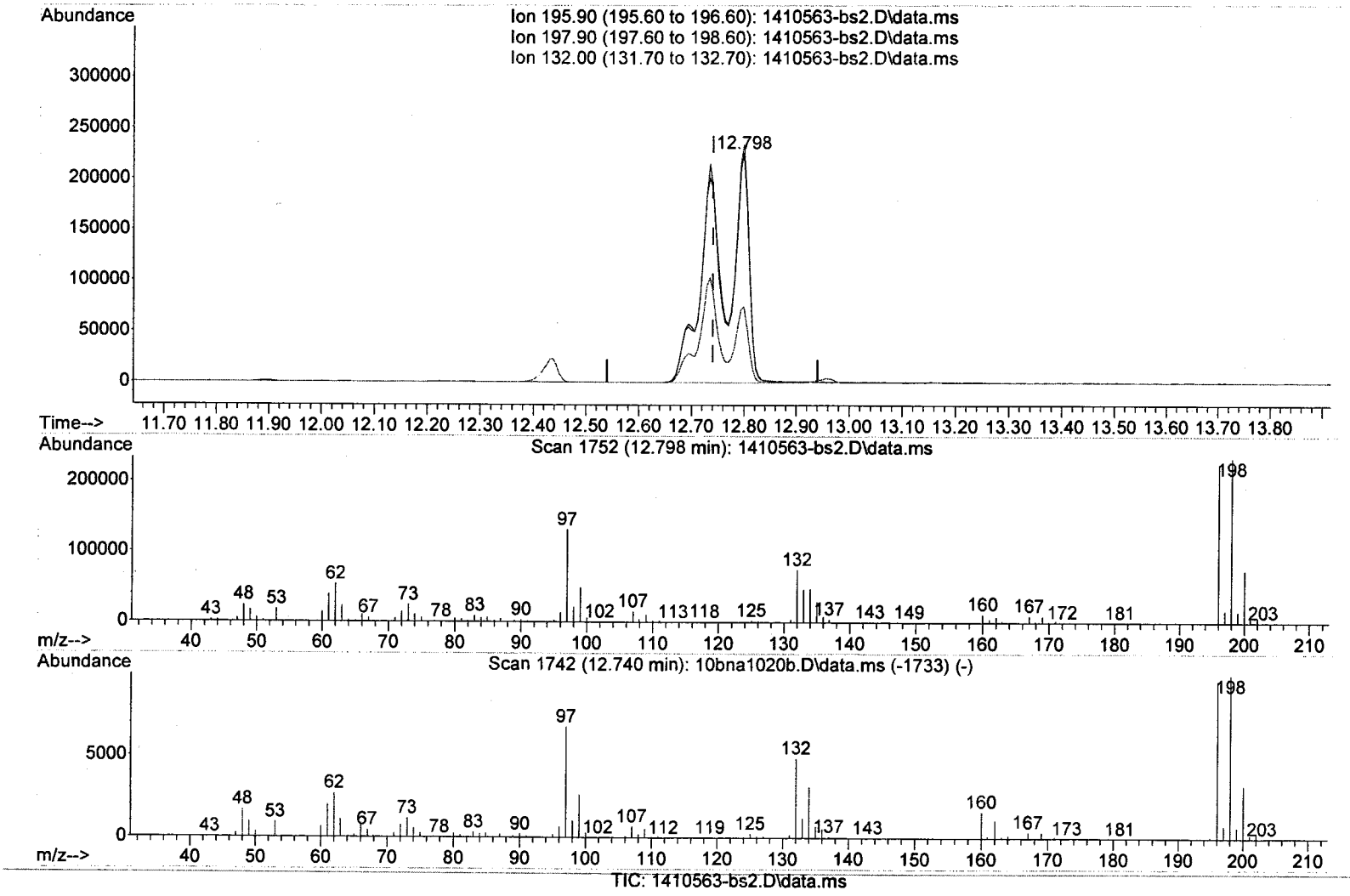
Reviewed By: ASC Date: 10/21/14

204586

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410563-bs2.D
Acq On : 20 Oct 2014 19:49
Operator : JLB
Sample : 1410563-bs2 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 21 07:57:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410563-bs2.D\data.ms

(45) 2,4,6-Trichlorophenol (C)

12.798min (+ 0.058) 19.66 ng/uL

response 936707

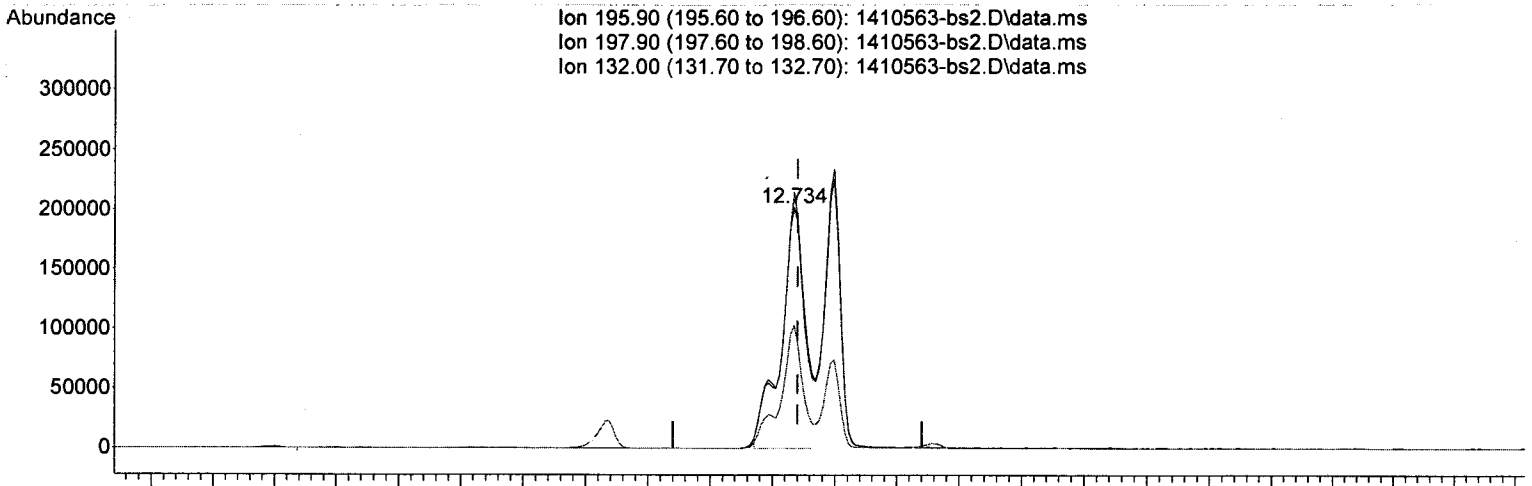
Ion	Exp%	Act%
195.90	100.00	100.00
197.90	98.50	103.17
132.00	45.10	41.82
0.00	0.00	0.00

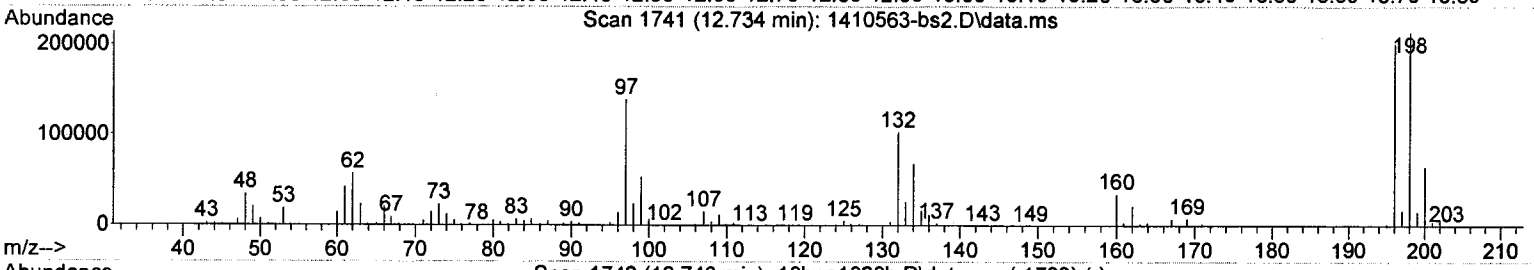
JW 10/21/14

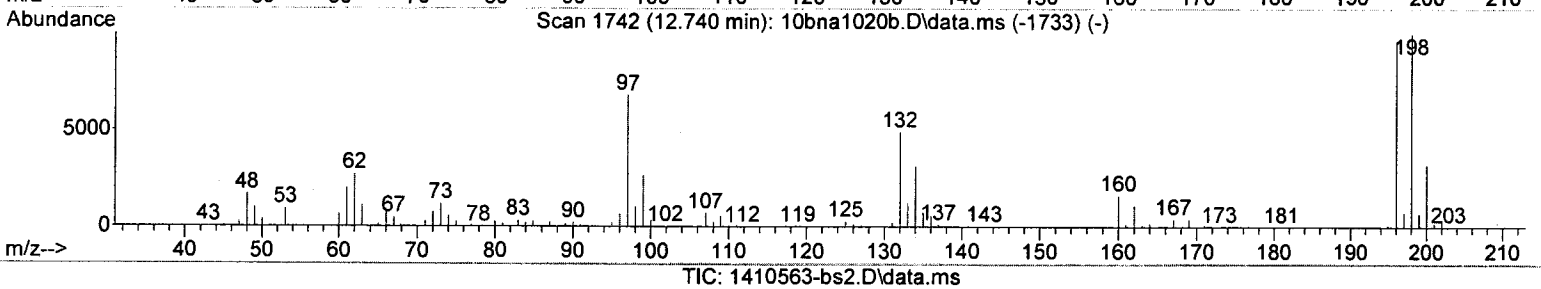
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410563-bs2.D
Acq On : 20 Oct 2014 19:49
Operator : JLB
Sample : 1410563-bs2 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 21 07:57:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration







TIC: 1410563-bs2.D\data.ms

(45) 2,4,6-Trichlorophenol (C)

12.734min (-0.006) 11.08 ng/uL m

response 528031

Ion	Exp%	Act%
195.90	100.00	100.00
197.90	98.50	183.02#
132.00	45.10	74.18#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 10/21/14

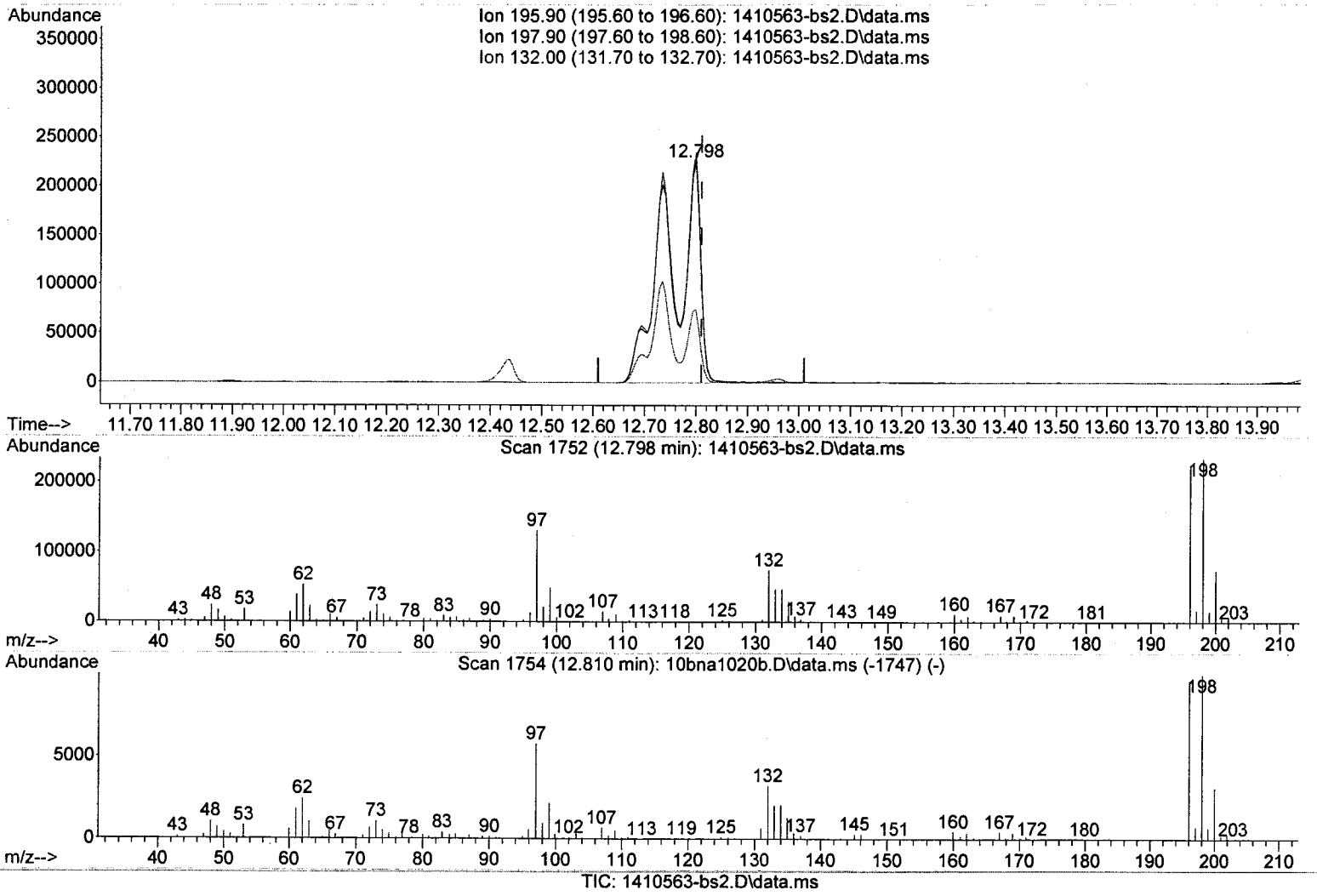
Reviewed By: ASC Date: 10/21/14

001588

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410563-bs2.D
Acq On : 20 Oct 2014 19:49
Operator : JLB
Sample : 1410563-bs2 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 21 07:57:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410563-bs2.D\data.ms

(46) 2,4,5-Trichlorophenol

12.798min (-0.012) 18.83 ng/uL

response 938591

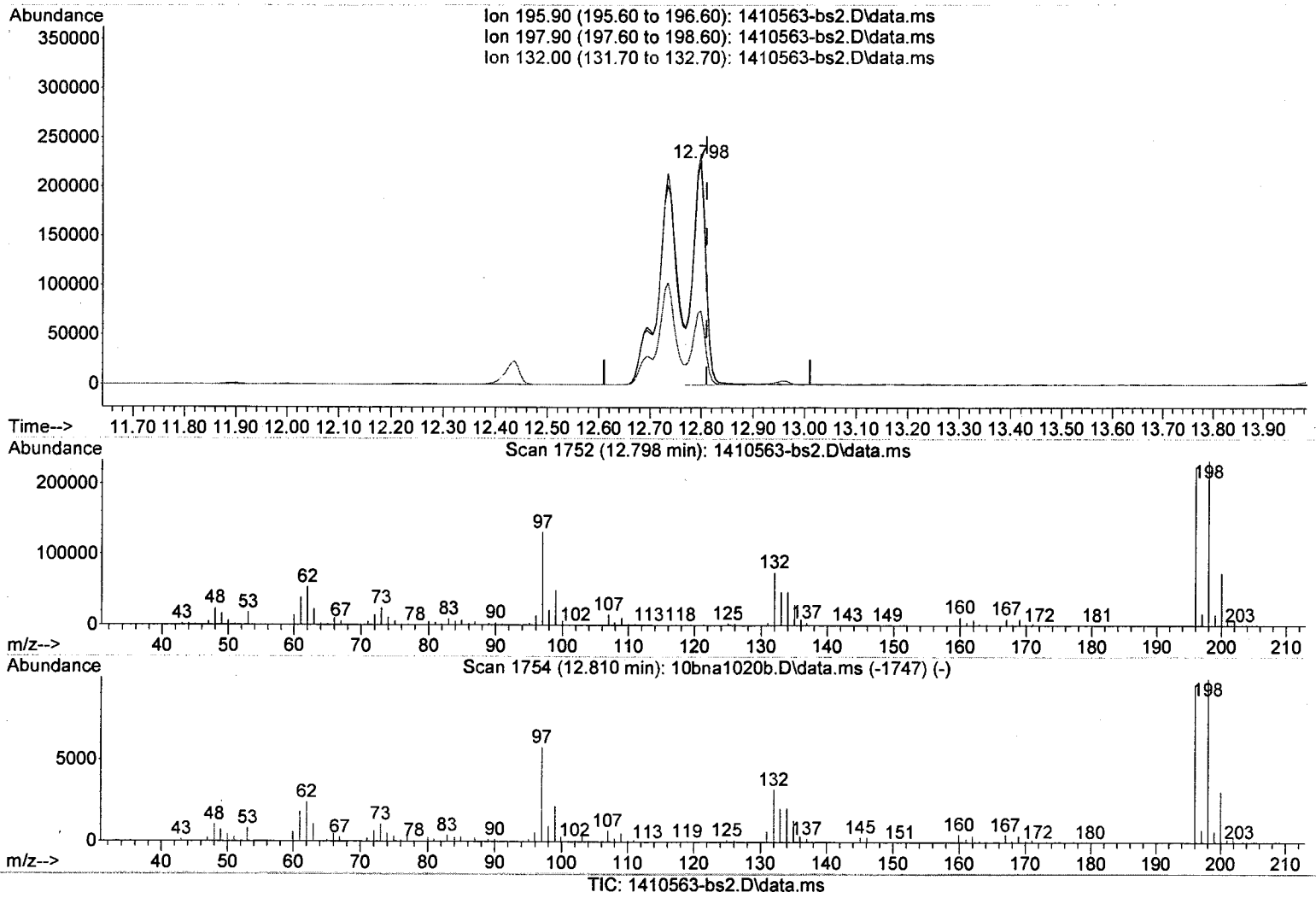
Ion	Exp%	Act%
195.90	100.00	100.00
197.90	97.20	103.18
132.00	29.20	42.64#
0.00	0.00	0.00

10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410563-bs2.D
Acq On : 20 Oct 2014 19:49
Operator : JLB
Sample : 1410563-bs2 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 21 07:57:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410563-bs2.D\data.ms

(46) 2,4,5-Trichlorophenol

12.798min (-0.012) 7.70 ng/uL m

response 383788

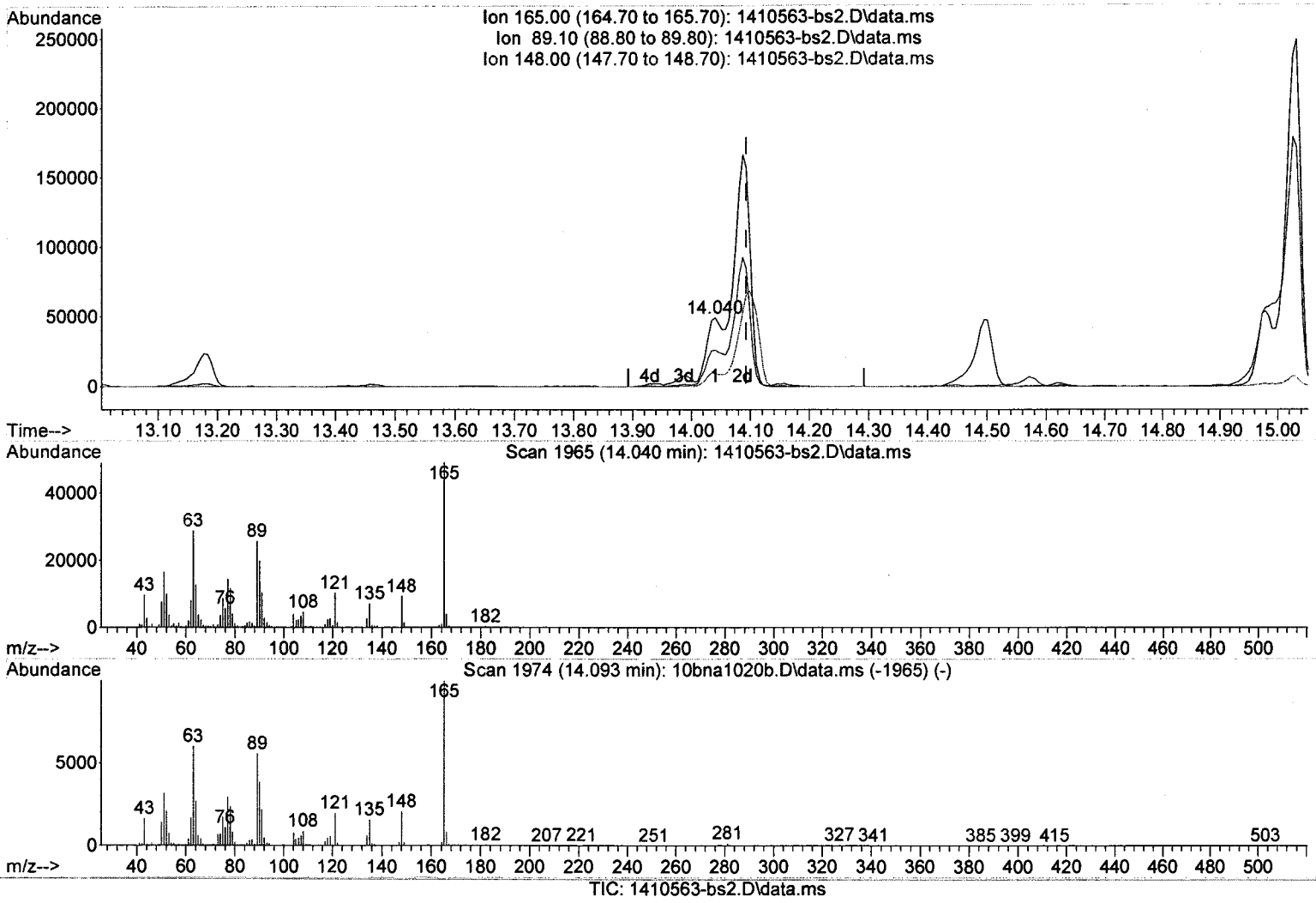
Ion	Exp%	Act%
195.90	100.00	100.00
197.90	97.20	252.34#
132.00	29.20	104.29#
0.00	0.00	0.00

Manual Integration Explanation
Reason 3: Incorrect baseline drawn by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/21/14
Reviewed By: ASC Date: 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410563-bs2.D
Acq On : 20 Oct 2014 19:49
Operator : JLB
Sample : 1410563-bs2 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 21 07:57:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



TIC: 1410563-bs2.D\data.ms

(52) 2,6-Dinitrotoluene

14.040min (-0.053) 2.06 ng/uL

response 88450

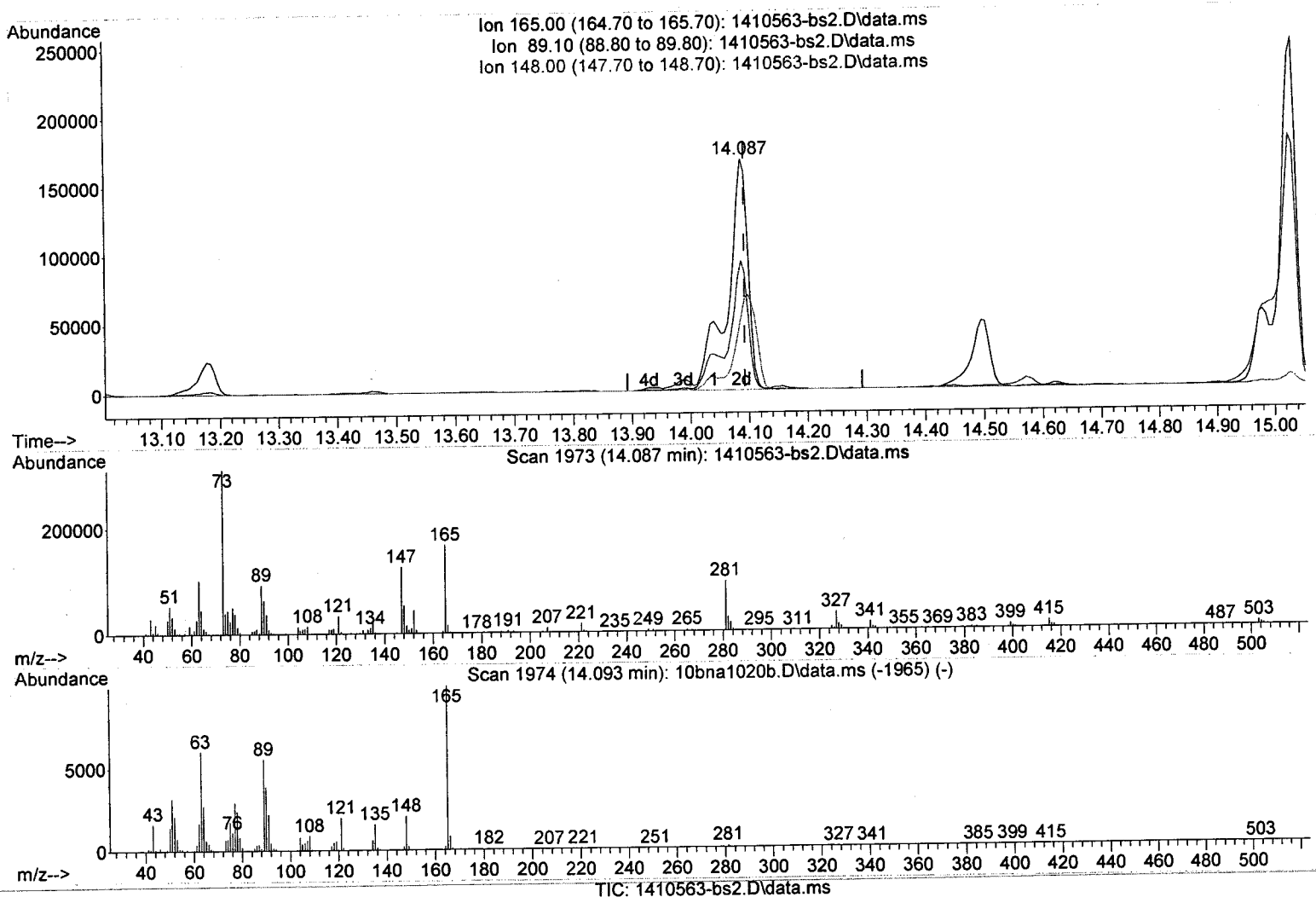
Ion	Exp%	Act%
165.00	100.00	100.00
89.10	57.70	63.92
148.00	20.20	17.26
0.00	0.00	0.00

JLB 10/21/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410563-bs2.D
Acq On : 20 Oct 2014 19:49
Operator : JLB
Sample : 1410563-bs2 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 21 07:57:55 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



(52) 2,6-Dinitrotoluene

14.087min (-0.006) 9.46 ng/uL m

response 406083

Ion	Exp%	Act%
165.00	100.00	100.00
89.10	57.70	13.92#
148.00	20.20	3.76#
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes) / No Date: 10/21/14
Analyst: JLB
Reviewed By: ASC Date: 10/21/14

LCS / LCS DUPLICATE RECOVERY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410565-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL
Sequence: 4J09008

QC Batch: 1410565

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	10.0	9.35	94	47 - 122	ug/L
Acenaphthylene	10.0	9.12	91	41 - 130	ug/L
Anthracene	10.0	9.87	99	57 - 123	ug/L
Benzo(a)anthracene	10.0	10.2	102	58 - 125	ug/L
Benzo(a)pyrene	10.0	10.6	106	54 - 128	ug/L
Benzo(b)fluoranthene	10.0	11.1	111	53 - 131	ug/L
Benzo(k)fluoranthene	10.0	9.13	91	57 - 129	ug/L
Benzo(g,h,i)perylene	10.0	11.4	114	50 - 134	ug/L
Benzoic Acid	50.0	8.62	17	0 - 125	ug/L
Benzyl Alcohol	10.0	8.37	84	25 - 107	ug/L
4-Bromophenyl Phenyl Ether	10.0	10.1	101	55 - 124	ug/L
Butyl Benzyl Phthalate	10.0	11.5	115	53 - 134	ug/L
Carbazole	10.0	10.3	103	60 - 122	ug/L
4-Chloro-3-methylphenol	10.0	9.73	97	52 - 119	ug/L
4-Chloroaniline	10.0	8.68	87	33 - 117	ug/L
Bis(2-chloroethoxy)methane	10.0	9.11	91	48 - 120	ug/L
Bis(2-chloroethyl) Ether	10.0	8.58	86	43 - 118	ug/L
Bis(2-chloroisopropyl) Ether	10.0	7.84	78	37 - 130	ug/L
2-Chloronaphthalene	10.0	9.82	98	40 - 116	ug/L
2-Chlorophenol	10.0	8.73	87	38 - 117	ug/L
4-Chlorophenyl Phenyl Ether	10.0	9.41	94	53 - 121	ug/L
Chrysene	10.0	9.84	98	59 - 123	ug/L
Dibenz(a,h)anthracene	10.0	11.8	118	51 - 134	ug/L
Dibenzofuran	10.0	9.27	93	53 - 118	ug/L
Di-n-butyl Phthalate	10.0	10.7	107	51 - 140	ug/L
1,4-Dichlorobenzene	10.0	8.13	81	29 - 112	ug/L
1,2-Dichlorobenzene	10.0	8.45	84	32 - 111	ug/L
1,3-Dichlorobenzene	10.0	8.40	84	28 - 110	ug/L
3,3'-Dichlorobenzidine	20.0	16.0	80	27 - 129	ug/L

LCS / LCS DUPLICATE RECOVERY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410565-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410565
Sequence: 4J09008

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	10.0	9.91	99	47 - 121	ug/L
Diethyl Phthalate	10.0	10.1	101	56 - 125	ug/L
2,4-Dimethylphenol	10.0	9.01	90	31 - 124	ug/L
Dimethyl Phthalate	10.0	10.2	102	45 - 127	ug/L
4,6-Dinitro-2-methylphenol	10.0	11.7	117	44 - 137	ug/L
2,4-Dinitrophenol	10.0	12.1	121	23 - 143	ug/L
2,6-Dinitrotoluene	10.0	10.5	105	57 - 124	ug/L
2,4-Dinitrotoluene	10.0	10.2	102	57 - 128	ug/L
Di-n-octyl Phthalate	10.0	11.4	114	51 - 140	ug/L
1,2-Diphenylhydrazine	10.0	10.1	101	49 - 122	ug/L
Bis(2-ethylhexyl) Phthalate	10.0	11.9	119	55 - 135	ug/L
Fluoranthene	10.0	9.48	95	57 - 128	ug/L
Fluorene	10.0	9.51	95	52 - 124	ug/L
Hexachlorobenzene	10.0	10.2	102	53 - 125	ug/L
Hexachlorobutadiene	10.0	8.81	88	22 - 124	ug/L
Hexachloroethane	10.0	8.15	82	21 - 115	ug/L
Indeno(1,2,3-cd)pyrene	10.0	11.8	118	52 - 134	ug/L
Isophorone	10.0	8.26	83	42 - 124	ug/L
2-Methylnaphthalene	10.0	9.08	91	40 - 121	ug/L
3+4-Methylphenol	10.0	7.49	75	29 - 110	ug/L
2-Methylphenol	10.0	7.80	78	30 - 117	ug/L
Naphthalene	10.0	8.82	88	40 - 121	ug/L
4-Nitroaniline	10.0	8.70	87	27 - 143	ug/L
2-Nitroaniline	10.0	9.99	100	55 - 127	ug/L
3-Nitroaniline	10.0	8.92	89	41 - 128	ug/L
Nitrobenzene	10.0	8.92	89	45 - 121	ug/L
2-Nitrophenol	10.0	9.98	100	47 - 123	ug/L
4-Nitrophenol	10.0	3.87	39	18 - 61	ug/L
N-Nitroso-dimethylamine	10.0	4.91	49	38 - 121	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410565-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410565
Sequence: 4J09008

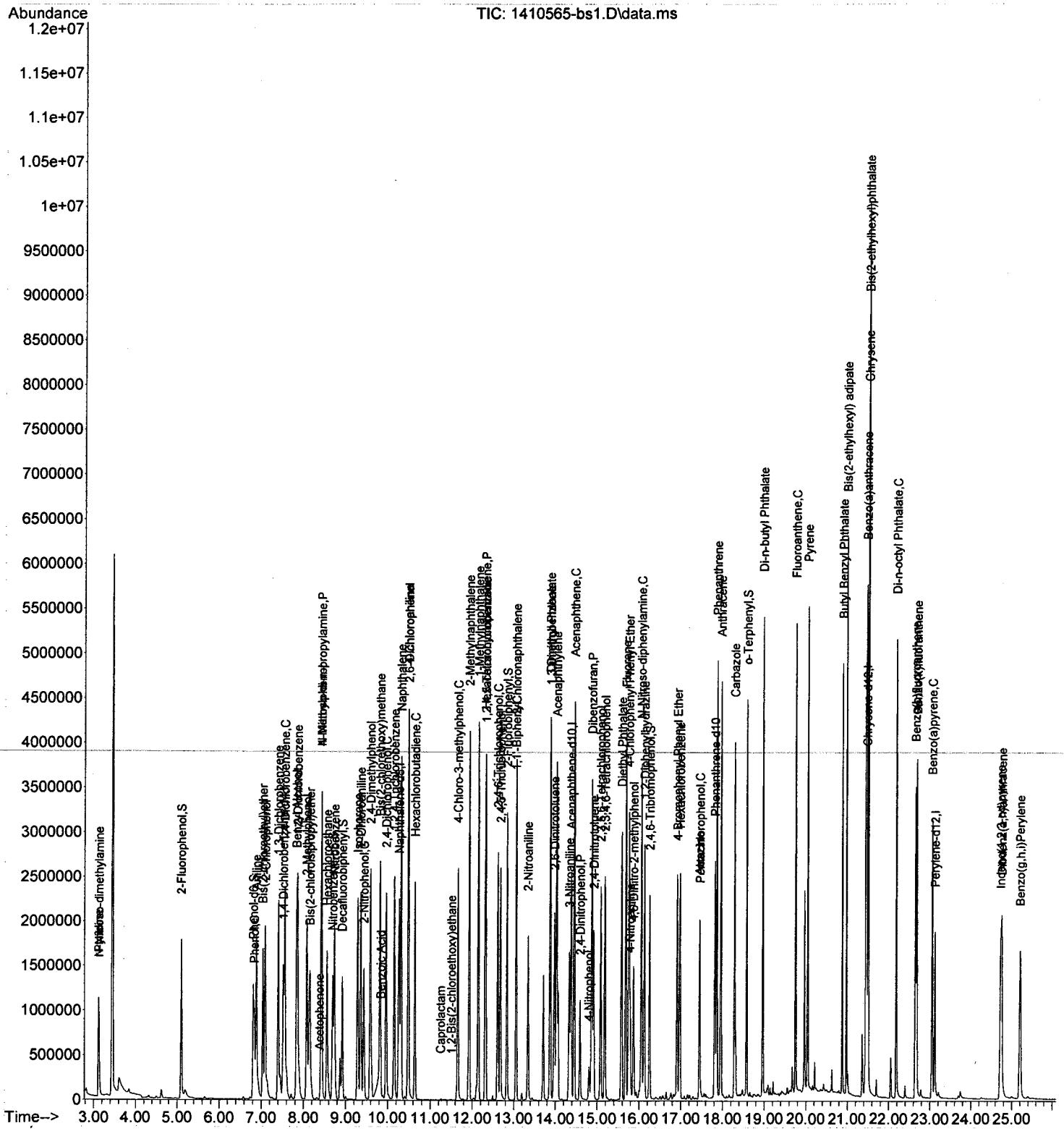
Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	10.0	10.1	101	51 - 123	ug/L
N-Nitroso-di-n-propylamine	10.0	9.17	92	49 - 119	ug/L
Pentachlorophenol	10.0	11.5	115	35 - 138	ug/L
Phenanthrene	10.0	9.75	98	59 - 120	ug/L
Phenol	10.0	4.36	44	22 - 52	ug/L
Pyrene	10.0	10.4	104	57 - 126	ug/L
1,2,4-Trichlorobenzene	10.0	8.98	90	29 - 116	ug/L
2,4,5-Trichlorophenol	10.0	10.8	108	53 - 123	ug/L
2,4,6-Trichlorophenol	10.0	10.8	108	50 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410565-bs1.D
Acq On : 8 Oct 2014 9:52
Operator : JLB
Sample : 1410565-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:09:26 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration



004596

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410565-bs1.D
Acq On : 8 Oct 2014 9:52
Operator : JLB
Sample : 1410565-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:09:26 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.520	152	500011	5.00	ng/uL		0.00
20) Naphthalene-d8	10.266	136	1885330	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.375	164	1053383	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.814	188	1566113	5.00	ng/uL		0.00
81) Chrysene-d12	21.474	240	1131648	5.00	ng/uL	#	0.00
89) Perylene-d12	23.124	264	1015947	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.096	112	982183	8.60	ng/uL		-0.01
6) Phenol-d6	6.815	99	948111	6.41	ng/uL		-0.01
21) Nitrobenzene-d5	8.692	82	944674	7.84	ng/uL		0.00
23) Decafluorobiphenyl	8.919	334	644417	7.63	ng/uL		0.00
47) 2-Fluorobiphenyl	12.836	172	1781282	8.18	ng/uL		-0.01
70) 2,4,6-Tribromophenol	16.258	330	427870	18.01	ng/uL		0.00
78) o-Terphenyl	18.583	230	1204570	8.97	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.126	74	362540	4.91	ng/uL#		79
3) Pyridine	3.120	79	482224	3.81	ng/uL#		78
5) Aniline	6.885	93	1531665	12.48	ng/uL		98
7) Phenol	6.838	94	733105	4.36	ng/uL#		59
8) Bis(2-chloroethyl)ether	7.037	93	1214944	8.58	ng/uL		96
9) 2-Chlorophenol	7.095	128	1164232	8.73	ng/uL#		35
10) 1,3-Dichlorobenzene	7.404	146	1213707	8.40	ng/uL		95
11) 1,4-Dichlorobenzene	7.555	146	1180203	8.13	ng/uL		96
12) 1,2-Dichlorobenzene	7.858	146	1145230	8.45	ng/uL		96
13) Bis(2-chloroisipropyl)...	8.150	45	1764774	7.84	ng/uL		98
14) Benzyl Alcohol	7.835	108	719317	8.37	ng/uL		84
15) 2-Methylphenol	8.074	108	931835	7.80	ng/uL		96
16) Acetophenone	8.383	105	3542	0.02	ng/uL#		27
17) Hexachloroethane	8.558	119	439438	8.15	ng/uL		96
18) 4-Methylphenol	8.424	108	891476	7.49	ng/uL		89
19) N-Nitroso-di-n-propyla...	8.424	70	826367	9.17	ng/uL		99
22) Nitrobenzene	8.733	77	1175029	8.92	ng/uL#		71
24) Isophorone	9.287	82	2001093	8.26	ng/uL		98
25) 2-Chloroaniline	9.356	127	1503344	9.74	ng/uL		98
26) 2-Nitrophenol	9.432	139	624727	9.98	ng/uL#		83
27) 2,4-Dimethylphenol	9.590	107	1094457	9.01	ng/uL#		66
28) Bis(2-chlorethoxy)methane	9.817	93	1338775	9.11	ng/uL		97
29) 2,4-Dichlorophenol	9.963	162	948746	9.91	ng/uL		100
30) Benzoic Acid	9.840	105	637535	8.62	ng/uL		96
31) 1,2,4-Trichlorobenzene	10.155	180	979664	8.98	ng/uL		98
32) Naphthalene	10.312	128	3318285	8.82	ng/uL		99
33) 4-Chloroaniline	10.481	127	1327581	(D) ~~14.41~~	ng/uL		95
34) 2,6-Dichlorophenol	10.487	162	928394	9.76	ng/uL		97
35) Hexachlorobutadiene	10.639	225	524414	8.81	ng/uL		98
36) Caprolactam	11.251	55	12810	0.24	ng/uL#		28
37) 1,2-Bis(2-chloroethoxy...	11.507	63	2823	0.02	ng/uL#		100
38) 4-Chloro-3-methylphenol	11.659	107	1025960	9.73	ng/uL		93
39) 2-Methylnaphthalene	11.927	142	2175577	9.08	ng/uL		99
40) 1-Methylnaphthalene	12.148	142	2221936	10.19	ng/uL		100
41) 1,3 Dinitrobenzene	13.879	168	380973	9.76	ng/uL		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410565-bs1.D
Acq On : 8 Oct 2014 9:52
Operator : JLB
Sample : 1410565-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:09:26 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu Oct 09 08:05:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.323	216	884964	9.49	ng/uL	98
44) Hexachlorocyclopentadiene	12.317	237	366917	7.08	ng/uL	98
45) 2,4,6-Trichlorophenol	12.615	196	650176	10.77	ng/uL	95
46) 2,4,5-Trichlorophenol	12.679	196	684501	10.84	ng/uL	94
48) 2-Chloronaphthalene	13.058	162	2003056	9.82	ng/uL	99
49) 1,1'-Biphenyl	13.052	154	3087	0.01	ng/uL#	74
50) 2-Nitroaniline	13.343	138	745259	~~10.81~~	ng/uL	97
51) Acenaphthylene	14.025	152	3080516	9.12	ng/uL#	81
52) 2,6-Dinitrotoluene	13.979	165	572716	10.53	ng/uL	93
53) Dimethyl Phthalate	13.874	163	2327271	10.21	ng/uL	98
54) 3-Nitroaniline	14.334	138	561938	~~11.77~~	ng/uL#	1
55) Acenaphthene	14.451	153	2077913	9.35	ng/uL	98
56) 2,4-Dinitrophenol	14.591	184	306954	12.11	ng/uL	92
57) Dibenzofuran	14.870	168	2675721	9.27	ng/uL	98
58) 4-Nitrophenol	14.800	65	166401	3.87	ng/uL	90
59) 2,4-Dinitrotoluene	14.917	165	699211	10.25	ng/uL#	86
60) 2,3,5,6-Tetrachlorophenol	15.080	232	552330	10.64	ng/uL	99
61) 2,3,4,6-Tetrachlorophenol	15.185	232	554308	10.60	ng/uL	97
62) Fluorene	15.686	166	2218418	9.51	ng/uL	97
63) Diethyl Phthalate	15.587	149	2172932	10.12	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.756	204	1013576	9.41	ng/uL	95
65) 4-Nitroaniline	15.785	138	487795	~~14.14~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.867	198	436174	11.72	ng/uL	100
68) N-Nitroso-diphenylamine	16.054	169	1746707	10.09	ng/uL	97
69) 1,2-Diphenylhydrazine	16.129	182	632064	10.07	ng/uL#	74
71) 4-Bromophenyl Phenyl E...	16.916	248	536550	10.14	ng/uL	98
72) Hexachlorobenzene	16.980	284	591918	10.23	ng/uL	97
73) Atrazine	17.447	200	73038	1.40	ng/uL#	25
74) Pentachlorophenol	17.452	266	390298	11.51	ng/uL	96
75) Phenanthrene	17.860	178	2956451	9.75	ng/uL	99
76) Anthracene	17.960	178	2888211	9.87	ng/uL	99
77) Carbazole	18.286	167	2595793	10.28	ng/uL	99
79) Di-n-butyl Phthalate	18.968	149	3232445	10.73	ng/uL	99
80) Fluoroanthene	19.749	202	2744117	9.48	ng/uL	93
82) Pyrene	20.040	202	2777489	10.35	ng/uL	100
83) Butyl Benzyl Phthalate	20.880	149	1216318	11.48	ng/uL	88
84) Bis(2-ethylhexyl) adipate	20.979	129	1161617	11.12	ng/uL#	100
85) Benzo(a)anthracene	21.463	228	2101604	10.19	ng/uL	97
86) Chrysene	21.497	228	1983904	9.84	ng/uL#	88
87) Bis(2-ethylhexyl)phtha...	21.503	149	1611510	11.87	ng/uL	92
88) Di-n-octyl Phthalate	22.179	149	2758791	11.41	ng/uL	100
90) Benzo(b)fluoroanthene	22.646	252	2042886	11.07	ng/uL	100
91) Benzo(k)fluoranthene	22.681	252	1902540	9.13	ng/uL	97
92) Benzo(a)pyrene	23.054	252	1849546	10.63	ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.727	276	1771069	11.76	ng/uL	90
94) Dibdenz(a,h)anthracene	24.756	278	1453692	11.81	ng/uL#	91
95) Benzo(g,h,i)Perylene	25.204	276	1484497	11.44	ng/uL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100814_339\
Data File : 1410565-bs1.D
Acq On : 8 Oct 2014 9:52
Operator : JLB Inst : 339
Sample : 1410565-bs1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 13:54:49 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 08 13:53:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.520	152	489965	5.00	ng/uL	#	0.00
8) Naphthalene-d8	10.266	136	1885330	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.375	164	1053057	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.814	188	1566113	5.00	ng/uL		0.00
19) Chrysene-d12	21.474	240	1131648	5.00	ng/uL	#	0.00
22) Perylene-d12	23.124	264	1018255	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.050	74	618	0.01	ng/uL		87
3) Pyridine	2.962	79	144	0.00	ng/uL		96
4) Aniline	6.885	93	1531665	7.31	ng/uL		98
5) Benzaldehyde	6.675	105	3134	0.03	ng/uL	#	1
6) Acetophenone	8.383	105	3542	0.02	ng/uL	#	27
7) N-Nitroso-di-n-propyla...	8.424	70	826367	8.77	ng/uL		99
9) 4-Chloroaniline	10.481	127	1328051	8.68	ng/uL		95
10) Caprolactam	11.251	55	2228	0.13	ng/uL	#	37
12) 1,1'-Biphenyl	13.052	154	3087	0.01	ng/uL	#	74
13) 2-Nitroaniline	13.343	138	745259	9.99	ng/uL		97
14) 3-Nitroaniline	14.334	138	561938	8.92	ng/uL	#	1
15) 4-Nitroaniline	15.785	138	480641	8.70	ng/uL	#	1
17) N-Nitroso-diphenylamine	16.054	169	1746707	9.58	ng/uL		97
18) Atrazine	17.382	200	196	Below Cal		#	25
20) Benzidine	19.965	184	1155023	7.51	ng/uL		95
21) 3,3'-Dichlorobenzidine	21.445	252	1044282	16.05	ng/uL		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410842-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1410842
Sequence: 4J22008

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	10.0	10.1	101	47 - 122	ug/L
Acenaphthylene	10.0	9.86	99	41 - 130	ug/L
Anthracene	10.0	10.7	107	57 - 123	ug/L
Benzo(a)anthracene	10.0	10.7	107	58 - 125	ug/L
Benzo(a)pyrene	10.0	11.9	119	54 - 128	ug/L
Benzo(b)fluoranthene	10.0	12.4	124	53 - 131	ug/L
Benzo(k)fluoranthene	10.0	10.2	102	57 - 129	ug/L
Benzo(g,h,i)perylene	10.0	11.5	115	50 - 134	ug/L
Benzoic Acid	50.0	16.1	32	0 - 125	ug/L
Benzyl Alcohol	10.0	8.95	90	25 - 107	ug/L
4-Bromophenyl Phenyl Ether	10.0	10.2	102	55 - 124	ug/L
Butyl Benzyl Phthalate	10.0	12.5	125	53 - 134	ug/L
Carbazole	10.0	11.1	111	60 - 122	ug/L
4-Chloro-3-methylphenol	10.0	10.1	101	52 - 119	ug/L
4-Chloroaniline	10.0	9.41	94	33 - 117	ug/L
Bis(2-chloroethoxy)methane	10.0	10.1	101	48 - 120	ug/L
Bis(2-chloroethyl) Ether	10.0	10.3	103	43 - 118	ug/L
Bis(2-chloroisopropyl) Ether	10.0	10.1	101	37 - 130	ug/L
2-Chloronaphthalene	10.0	10.5	105	40 - 116	ug/L
2-Chlorophenol	10.0	9.59	96	38 - 117	ug/L
4-Chlorophenyl Phenyl Ether	10.0	9.61	96	53 - 121	ug/L
Chrysene	10.0	10.5	105	59 - 123	ug/L
Dibenz(a,h)anthracene	10.0	12.1	121	51 - 134	ug/L
Dibenzofuran	10.0	9.93	99	53 - 118	ug/L
Di-n-butyl Phthalate	10.0	11.3	113	51 - 140	ug/L
1,4-Dichlorobenzene	10.0	9.62	96	29 - 112	ug/L
1,2-Dichlorobenzene	10.0	10.1	101	32 - 111	ug/L
1,3-Dichlorobenzene	10.0	9.59	96	28 - 110	ug/L
3,3'-Dichlorobenzidine	20.0	23.7	119	27 - 129	ug/L

LCS / LCS DUPLICATE RECOVERY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Water

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410842-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL
Sequence: 4J22008

QC Batch: 1410842

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	10.0	10.0	100	47 - 121	ug/L
Diethyl Phthalate	10.0	10.1	101	56 - 125	ug/L
2,4-Dimethylphenol	10.0	8.82	88	31 - 124	ug/L
Dimethyl Phthalate	10.0	10.2	102	45 - 127	ug/L
4,6-Dinitro-2-methylphenol	10.0	11.3	113	44 - 137	ug/L
2,4-Dinitrophenol	10.0	13.2	132	23 - 143	ug/L
2,6-Dinitrotoluene	10.0	10.5	105	57 - 124	ug/L
2,4-Dinitrotoluene	10.0	10.5	105	57 - 128	ug/L
Di-n-octyl Phthalate	10.0	11.5	115	51 - 140	ug/L
1,2-Diphenylhydrazine	10.0	10.6	106	49 - 122	ug/L
Bis(2-ethylhexyl) Phthalate	10.0	12.0	120	55 - 135	ug/L
Fluoranthene	10.0	10.5	105	57 - 128	ug/L
Fluorene	10.0	10.1	101	52 - 124	ug/L
Hexachlorobenzene	10.0	9.90	99	53 - 125	ug/L
Hexachlorobutadiene	10.0	9.20	92	22 - 124	ug/L
Hexachloroethane	10.0	9.85	98	21 - 115	ug/L
Indeno(1,2,3-cd)pyrene	10.0	12.1	121	52 - 134	ug/L
Isophorone	10.0	9.03	90	42 - 124	ug/L
2-Methylnaphthalene	10.0	9.86	99	40 - 121	ug/L
3+4-Methylphenol	10.0	8.56	86	29 - 110	ug/L
2-Methylphenol	10.0	8.68	87	30 - 117	ug/L
Naphthalene	10.0	9.94	99	40 - 121	ug/L
4-Nitroaniline	10.0	9.82	98	27 - 143	ug/L
2-Nitroaniline	10.0	10.3	103	55 - 127	ug/L
3-Nitroaniline	10.0	9.30	93	41 - 128	ug/L
Nitrobenzene	10.0	10.2	102	45 - 121	ug/L
2-Nitrophenol	10.0	10.9	109	47 - 123	ug/L
4-Nitrophenol	10.0	4.16	42	18 - 61	ug/L
N-Nitroso-dimethylamine	10.0	5.54	55	38 - 121	ug/L

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Water

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410842-BS1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 1000 mL / 1 mL

QC Batch: 1410842

Sequence: 4J22008

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	10.0	10.7	107	51 - 123	ug/L
N-Nitroso-di-n-propylamine	10.0	11.5	115	49 - 119	ug/L
Pentachlorophenol	10.0	11.0	110	35 - 138	ug/L
Phenanthrene	10.0	10.3	103	59 - 120	ug/L
Phenol	10.0	5.19	52	22 - 52	ug/L
Pyrene	10.0	11.0	110	57 - 126	ug/L
1,2,4-Trichlorobenzene	10.0	9.42	94	29 - 116	ug/L
2,4,5-Trichlorophenol	10.0	10.5	105	53 - 123	ug/L
2,4,6-Trichlorophenol	10.0	10.4	104	50 - 125	ug/L

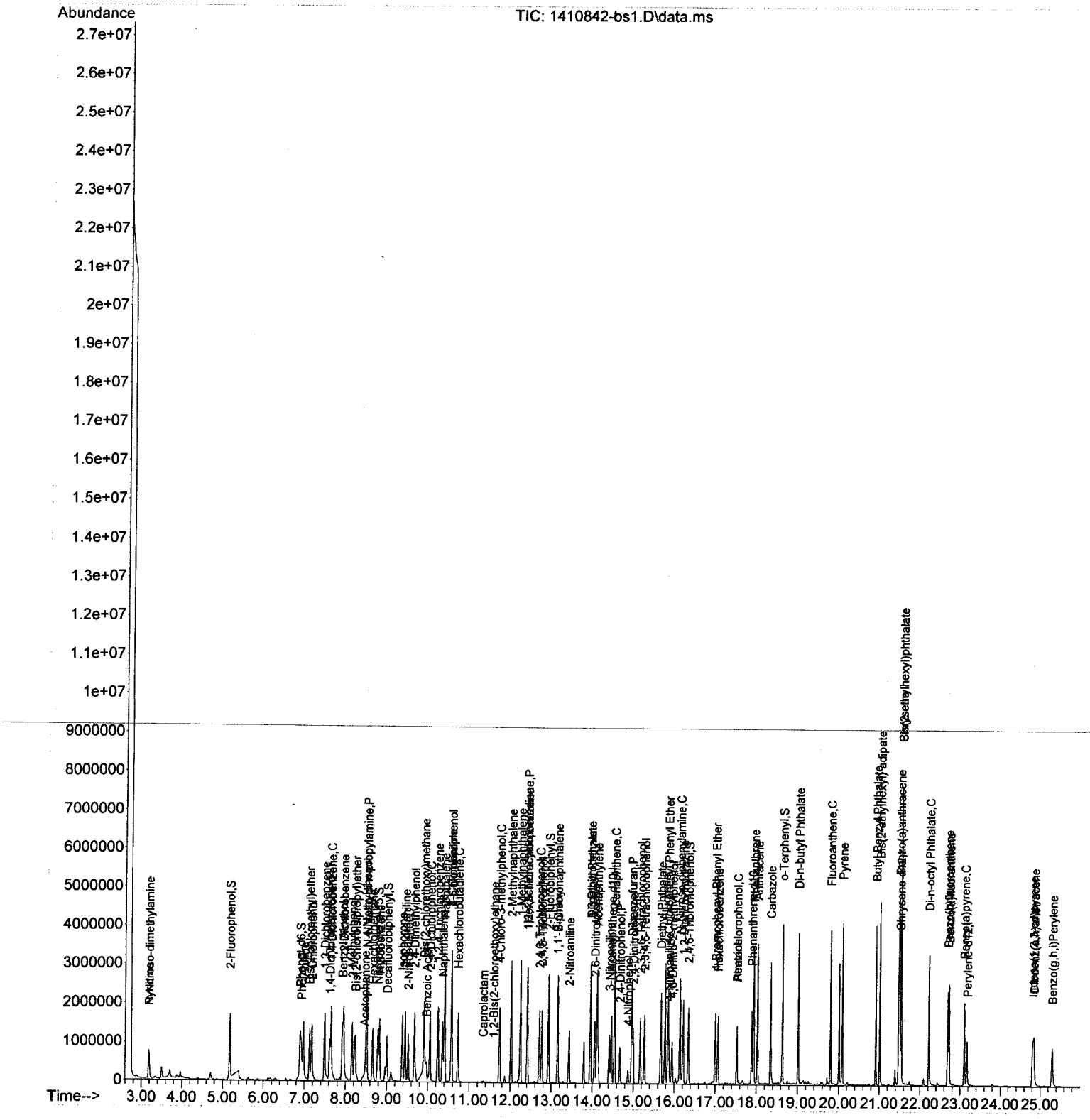
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-bs1.D
Acq On : 21 Oct 2014 15:31
Operator : JLB
Sample : 1410842-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 22 07:59:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-bs1.D
Acq On : 21 Oct 2014 15:31
Operator : JLB
Sample : 1410842-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 22 07:59:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	317990	5.00	ng/uL	# 0.00
20) Naphthalene-d8	10.357	136	1256972	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.466	164	698267	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.887	188	1032145	5.00	ng/uL	0.00
81) Chrysene-d12	21.507	240	797030	5.00	ng/uL	# 0.00
89) Perylene-d12	23.174	264	604691	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.175	112	1011021	13.92	ng/uL	-0.01
6) Phenol-d6	6.894	99	898684	9.56	ng/uL	-0.02
21) Nitrobenzene-d5	8.783	82	877420	10.92	ng/uL	0.00
23) Decafluorobiphenyl	9.004	334	472623	8.39	ng/uL	0.00
47) 2-Fluorobiphenyl	12.933	172	1513052	10.49	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.348	330	328702	21.00	ng/uL	0.00
78) o-Terphenyl	18.639	230	994600	11.24	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.187	74	260313	5.54	ng/uL	83
3) Pyridine	3.182	79	382627	4.76	ng/uL#	82
5) Aniline	6.976	93	1124383	14.37	ng/uL	97
7) Phenol	6.924	94	554632	5.19	ng/uL#	65
8) Bis(2-chloroethyl)ether	7.122	93	924540	10.27	ng/uL	90
9) 2-Chlorophenol	7.180	128	813547	9.59	ng/uL#	26
10) 1,3-Dichlorobenzene	7.489	146	881287	9.59	ng/uL	95
11) 1,4-Dichlorobenzene	7.646	146	888504	9.62	ng/uL	94
12) 1,2-Dichlorobenzene	7.949	146	868456	10.07	ng/uL	94
13) Bis(2-chloroisipropyl)...	8.241	45	1446820	10.11	ng/uL	95
14) Benzyl Alcohol	7.920	108	489400	8.95	ng/uL	86
15) 2-Methylphenol	8.159	108	659290	8.68	ng/uL	95
16) Acetophenone	8.468	105	24253	0.21	ng/uL#	1
17) Hexachloroethane	8.655	119	337614	9.85	ng/uL	96
18) 4-Methylphenol	8.503	108	648201	8.56	ng/uL	90
19) N-Nitroso-di-n-propyla...	8.515	70	658464	11.48	ng/uL	90
22) Nitrobenzene	8.824	77	895500	10.20	ng/uL#	59
24) Isophorone	9.372	82	1459565	9.03	ng/uL	100
25) 2-Chloroaniline	9.447	127	1075436	10.45	ng/uL	99
26) 2-Nitrophenol	9.517	139	454310	10.88	ng/uL#	87
27) 2,4-Dimethylphenol	9.669	107	714154	8.82	ng/uL#	54
28) Bis(2-chlorethoxy)methane	9.908	93	986602	10.07	ng/uL	94
29) 2,4-Dichlorophenol	10.053	162	641009	10.04	ng/uL	98
30) Benzoic Acid	9.966	105	937613	16.06	ng/uL	97
31) 1,2,4-Trichlorobenzene	10.240	180	685435	9.42	ng/uL	98
32) Naphthalene	10.403	128	2493281	9.94	ng/uL	100
33) 4-Chloroaniline	10.572	127	960320	ab ~~15.63~~	ng/uL	93
34) 2,6-Dichlorophenol	10.572	162	631707	9.97	ng/uL	93
35) Hexachlorobutadiene	10.730	225	365141	9.20	ng/uL	99
36) Caprolactam	11.336	55	14536	0.40	ng/uL#	34
37) 1,2-Bis(2-chloroethoxy...	11.592	63	1470	0.02	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.738	107	710602	10.10	ng/uL	92
39) 2-Methylnaphthalene	12.018	142	1576371	9.86	ng/uL	99
40) 1-Methylnaphthalene	12.245	142	1551955	10.67	ng/uL	98
41) 1,3 Dinitrobenzene	13.959	168	258297	9.93	ng/uL	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-bs1.D
Acq On : 21 Oct 2014 15:31
Operator : JLB
Sample : 1410842-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 22 07:59:53 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.414	216	604437	9.77	ng/uL	99
44) Hexachlorocyclopentadiene	12.408	237	282104	8.21	ng/uL	98
45) 2,4,6-Trichlorophenol	12.706	196	418207	10.45	ng/uL	95
46) 2,4,5-Trichlorophenol	12.764	196	438489	10.47	ng/uL	93
48) 2-Chloronaphthalene	13.149	162	1413526	10.46	ng/uL	99
49) 1,1'-Biphenyl	13.143	154	2238	0.01	ng/uL#	66
50) 2-Nitroaniline	13.434	138	506641	ah ~~11.09~~	ng/uL	97
51) Acenaphthylene	14.122	152	2207443	9.86	ng/uL#	90
52) 2,6-Dinitrotoluene	14.064	165	379881	10.54	ng/uL	96
53) Dimethyl Phthalate	13.959	163	1534482	10.16	ng/uL	98
54) 3-Nitroaniline	14.419	138	387783	ah ~~12.25~~	ng/uL#	1
55) Acenaphthene	14.542	153	1487028	10.09	ng/uL	98
56) 2,4-Dinitrophenol	14.670	184	226767	13.17	ng/uL	96
57) Dibenzofuran	14.961	168	1898924	9.93	ng/uL	100
58) 4-Nitrophenol	14.874	65	118506	4.16	ng/uL	98
59) 2,4-Dinitrotoluene	14.996	165	476059	10.52	ng/uL#	84
60) 2,3,5,6-Tetrachlorophenol	15.171	232	351575	10.22	ng/uL	97
61) 2,3,4,6-Tetrachlorophenol	15.270	232	353142	10.19	ng/uL	94
62) Fluorene	15.777	166	1556170	10.06	ng/uL#	95
63) Diethyl Phthalate	15.672	149	1443671	10.14	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.847	204	685931	9.61	ng/uL	88
65) 4-Nitroaniline	15.870	138	336575	ah ~~14.72~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.952	198	276002	11.29	ng/uL	94
68) N-Nitroso-diphenylamine	16.139	169	1222659	10.71	ng/uL	99
69) 1,2-Diphenylhydrazine	16.220	182	439935	10.64	ng/uL	84
71) 4-Bromophenyl Phenyl E...	17.007	248	354337	10.16	ng/uL	99
72) Hexachlorobenzene	17.065	284	377433	9.90	ng/uL#	93
73) Atrazine	17.526	200	49590	1.44	ng/uL#	25
74) Pentachlorophenol	17.526	266	245348	10.98	ng/uL	97
75) Phenanthrene	17.934	178	2065062	10.33	ng/uL	99
76) Anthracene	18.027	178	2055562	10.66	ng/uL	100
77) Carbazole	18.348	167	1848600	11.11	ng/uL	99
79) Di-n-butyl Phthalate	19.018	149	2241255	11.29	ng/uL	100
80) Fluoroanthene	19.799	202	1996864	10.47	ng/uL	97
82) Pyrene	20.090	202	2075078	10.98	ng/uL	97
83) Butyl Benzyl Phthalate	20.912	149	933711	12.51	ng/uL	92
84) Bis(2-ethylhexyl) adipate	21.011	129	838533	11.39	ng/uL#	100
85) Benzo(a)anthracene	21.495	228	1560158	10.74	ng/uL#	95
86) Chrysene	21.536	228	1489578	10.49	ng/uL#	85
87) Bis(2-ethylhexyl)phtha...	21.536	149	1149572	12.03	ng/uL	93
88) Di-n-octyl Phthalate	22.218	149	1951434	11.46	ng/uL	100
90) Benzo(b)fluoroanthene	22.690	252	1366244	12.44	ng/uL	98
91) Benzo(k)fluoranthene	22.725	252	1267370	10.21	ng/uL#	90
92) Benzo(a)pyrene	23.104	252	1229027	11.86	ng/uL	97
93) Indeno(1,2,3-cd)pyrene	24.812	276	1081930	12.07	ng/uL#	81
94) Dibdenz(a,h)anthracene	24.841	278	883363	12.06	ng/uL#	85
95) Benzo(g,h,i)Perylene	25.301	276	885033	11.46	ng/uL	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004805

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102114b_339\
Data File : 1410842-bs1.D
Acq On : 21 Oct 2014 15:31
Operator : JLB
Sample : 1410842-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 22 07:51:30 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:50:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	313987	5.00	ng/uL	# 0.00
8) Naphthalene-d8	10.357	136	1256972	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.466	164	696924	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.887	188	1032516	5.00	ng/uL	0.00
19) Chrysene-d12	21.507	240	797030	5.00	ng/uL	# 0.00
22) Perylene-d12	23.174	264	604691	5.00	ng/uL	# 0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.187	74	301491	6.06	ng/uL#	73
3) Pyridine	3.182	79	404228	4.61	ng/uL#	78
4) Aniline	6.976	93	1124383	8.37	ng/uL	97
5) Benzaldehyde	6.760	105	2578	0.04	ng/uL#	1
6) Acetophenone	8.468	105	24253	0.20	ng/uL#	1
7) N-Nitroso-di-n-propyla...	8.515	70	659110	10.92	ng/uL	91
9) 4-Chloroaniline	10.572	127	960320	9.41	ng/uL	93
10) Caprolactam	11.336	55	7665	0.28	ng/uL#	44
12) 1,1'-Biphenyl	13.143	154	2238	0.01	ng/uL#	66
13) 2-Nitroaniline	13.434	138	506641	10.26	ng/uL	97
14) 3-Nitroaniline	14.419	138	387783	9.30	ng/uL#	1
15) 4-Nitroaniline	15.870	138	358836	9.82	ng/uL#	1
17) N-Nitroso-diphenylamine	16.139	169	1222682	10.17	ng/uL	99
18) Atrazine	17.526	200	50651	1.12	ng/uL#	25
20) Benzidine	20.009	184	1467568	13.21	ng/uL	98
21) 3,3'-Dichlorobenzidine	21.478	252	1087679	23.74	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410920-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410920
Sequence: 4J21016

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	347	328	95	40 - 123	ug/kg wet
Acenaphthylene	347	314	90	32 - 132	ug/kg wet
Anthracene	347	331	95	47 - 123	ug/kg wet
Benzo(a)anthracene	347	340	98	49 - 126	ug/kg wet
Benzo(a)pyrene	347	354	102	45 - 129	ug/kg wet
Benzo(b)fluoranthene	347	348	100	45 - 132	ug/kg wet
Benzo(k)fluoranthene	347	328	94	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	347	360	104	43 - 134	ug/kg wet
Benzoic Acid	1740	981	56	0 - 110	ug/kg wet
Benzyl Alcohol	347	298	86	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	347	326	94	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	347	392	113	48 - 132	ug/kg wet
Carbazole	347	344	99	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	347	301	87	45 - 122	ug/kg wet
4-Chloroaniline	347	59.4	17	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	347	302	87	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	347	314	91	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	347	312	90	33 - 131	ug/kg wet
2-Chloronaphthalene	347	316	91	41 - 114	ug/kg wet
2-Chlorophenol	347	315	91	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	347	329	95	45 - 121	ug/kg wet
Chrysene	347	332	96	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	347	383	110	45 - 134	ug/kg wet
Dibenzofuran	347	330	95	44 - 120	ug/kg wet
Di-n-butyl Phthalate	347	363	104	51 - 128	ug/kg wet
1,4-Dichlorobenzene	347	303	87	31 - 115	ug/kg wet
1,2-Dichlorobenzene	347	316	91	33 - 117	ug/kg wet
1,3-Dichlorobenzene	347	303	87	30 - 115	ug/kg wet
3,3´-Dichlorobenzidine	694	ND	*	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410920-BS1
Preparation: 3550C Sonication Extraction
Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410920
Sequence: 4J21016

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	347	264	76	40 - 122	ug/kg wet
Diethyl Phthalate	347	360	104	50 - 124	ug/kg wet
2,4-Dimethylphenol	347	117	34	30 - 127	ug/kg wet
Dimethyl Phthalate	347	348	100	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	347	339	98	29 - 132	ug/kg wet
2,4-Dinitrophenol	347	367	106	15 - 130	ug/kg wet
2,6-Dinitrotoluene	347	355	102	46 - 124	ug/kg wet
2,4-Dinitrotoluene	347	357	103	48 - 126	ug/kg wet
Di-n-octyl Phthalate	347	385	111	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	347	318	92	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	347	388	112	51 - 133	ug/kg wet
Fluoranthene	347	326	94	50 - 127	ug/kg wet
Fluorene	347	338	97	43 - 125	ug/kg wet
Hexachlorobenzene	347	311	90	45 - 122	ug/kg wet
Hexachlorobutadiene	347	303	87	32 - 132	ug/kg wet
Hexachloroethane	347	299	86	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	347	383	110	45 - 133	ug/kg wet
Isophorone	347	243	70	30 - 122	ug/kg wet
2-Methylnaphthalene	347	299	86	38 - 122	ug/kg wet
3+4-Methylphenol	347	273	79	34 - 119	ug/kg wet
2-Methylphenol	347	265	76	32 - 122	ug/kg wet
Naphthalene	347	319	92	35 - 123	ug/kg wet
4-Nitroaniline	347	197	57	35 - 115	ug/kg wet
2-Nitroaniline	347	328	95	45 - 120	ug/kg wet
3-Nitroaniline	347	117	34	25 - 110	ug/kg wet
Nitrobenzene	347	325	94	34 - 122	ug/kg wet
2-Nitrophenol	347	333	96	36 - 123	ug/kg wet
4-Nitrophenol	347	397	114	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	347	302	87	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY

USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410920-BS1

Preparation: 3550C Sonication Extraction

Initial/Final: 28.8 grams / 1 mL

QC Batch: 1410920

Sequence: 4J21016

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	347	320	92	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	347	315	91	36 - 120	ug/kg wet
Pentachlorophenol	347	322	93	25 - 133	ug/kg wet
Phenanthrene	347	322	93	50 - 121	ug/kg wet
Phenol	347	306	88	34 - 121	ug/kg wet
Pyrene	347	326	94	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	347	309	89	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	347	322	93	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	347	307	88	39 - 126	ug/kg wet

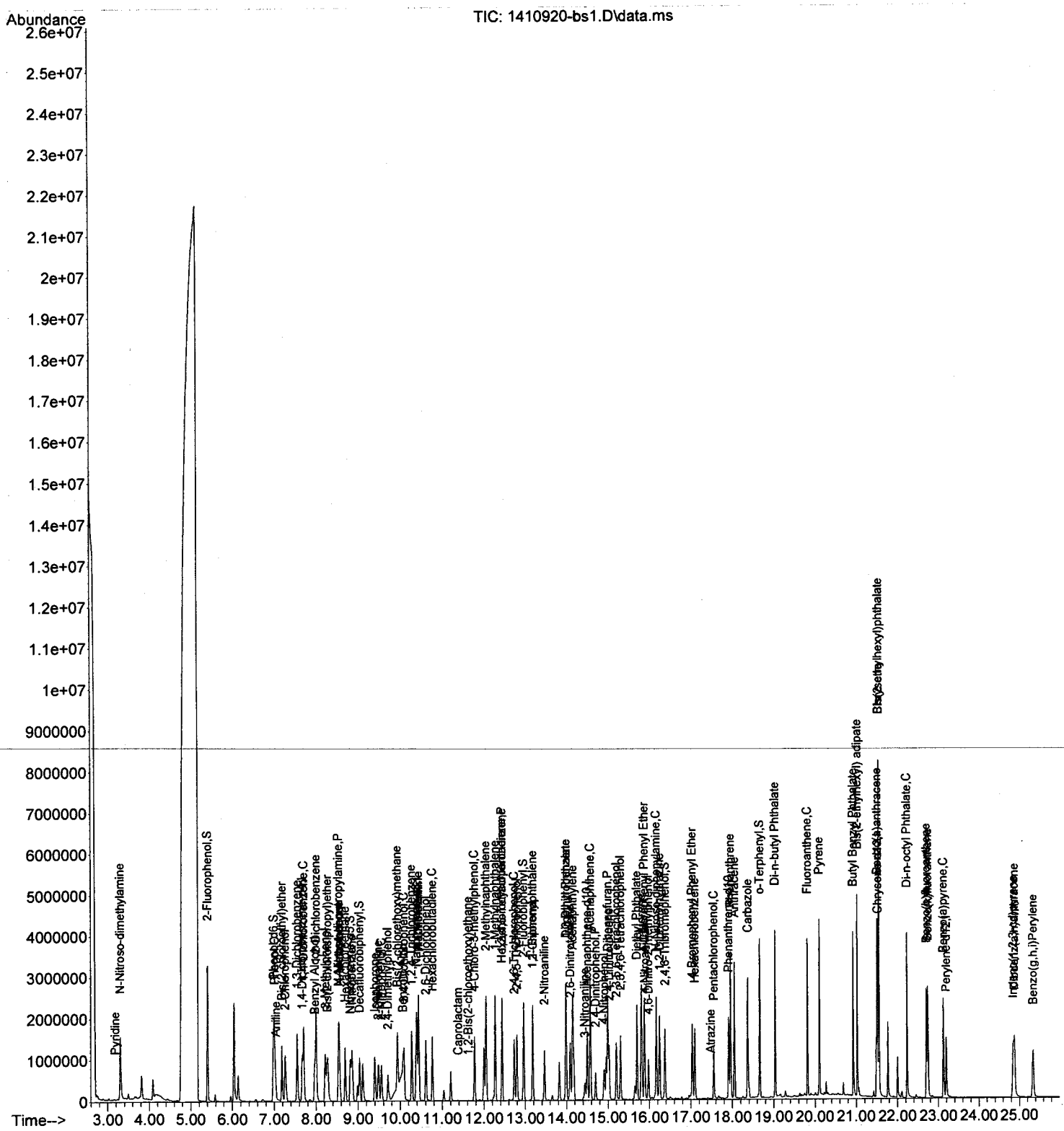
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410920-bs1.D
Acq On : 20 Oct 2014 19:17
Operator : JLB
Sample : 1410920-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 21 07:56:10 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410920-bs1.D
Acq On : 20 Oct 2014 19:17
Operator : JLB
Sample : 1410920-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 21 07:56:10 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	322397	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.391	136	1229568	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.500	164	675603	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.910	188	1108720	5.00	ng/uL	0.00
81) Chrysene-d12	21.524	240	901443	5.00	ng/uL	# 0.00
89) Perylene-d12	23.197	264	766762	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.408	112	1350972	18.34	ng/uL	0.19
6) Phenol-d6	6.987	99	1834127	19.24	ng/uL	0.05
21) Nitrobenzene-d5	8.818	82	776047	9.87	ng/uL	0.00
23) Decafluorobiphenyl	9.039	334	496944	9.02	ng/uL	0.00
47) 2-Fluorobiphenyl	12.962	172	1295867	9.28	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.383	330	302899	18.01	ng/uL	0.00
78) o-Terphenyl	18.668	230	954955	10.05	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.298	74	414460	8.70	ng/uL#	79
3) Pyridine	3.181	79	743	0.01	ng/uL	100
5) Aniline	7.040	93	178605	2.44	ng/uL#	1
7) Phenol	7.011	94	955812	8.82	ng/uL#	83
8) Bis(2-chloroethyl)ether	7.186	93	826133	9.05	ng/uL#	82
9) 2-Chlorophenol	7.261	128	779839	9.07	ng/uL#	71
10) 1,3-Dichlorobenzene	7.547	146	812658	8.72	ng/uL	96
11) 1,4-Dichlorobenzene	7.704	146	817113	8.73	ng/uL	95
12) 1,2-Dichlorobenzene	8.002	146	794496	9.09	ng/uL	93
13) Bis(2-chloroisipropyl)...	8.275	45	1305337	8.99	ng/uL	96
14) Benzyl Alcohol	7.972	108	475764	8.58	ng/uL	86
15) 2-Methylphenol	8.223	108	588514	7.64	ng/uL	94
16) Acetophenone	8.549	105	7792	0.07	ng/uL#	1
17) Hexachloroethane	8.695	119	299374	8.61	ng/uL	96
18) 4-Methylphenol	8.555	108	603431	7.86	ng/uL	89
19) N-Nitroso-di-n-propyla...	8.538	70	526710	9.06	ng/uL	97
22) Nitrobenzene	8.858	77	802618	9.35	ng/uL#	60
24) Isophorone	9.400	82	1108509	7.01	ng/uL	99
25) 2-Chloroaniline	9.482	127	607334	6.04	ng/uL	99
26) 2-Nitrophenol	9.558	139	391666	9.59	ng/uL#	87
27) 2,4-Dimethylphenol	9.709	107	268075	3.38	ng/uL#	1
28) Bis(2-chlorethoxy)methane	9.937	93	835387	8.71	ng/uL	94
29) 2,4-Dichlorophenol	10.094	162	475116	7.61	ng/uL	99
30) Benzoic Acid	10.071	105	1738803	28.25	ng/uL	98
31) 1,2,4-Trichlorobenzene	10.275	180	632731	8.89	ng/uL	98
32) Naphthalene	10.438	128	2254709	9.19	ng/uL	100
33) 4-Chloroaniline	10.438	127	270906	ah ~~4.51~~	ng/uL	96
34) 2,6-Dichlorophenol	10.607	162	469053	7.56	ng/uL	94
35) Hexachlorobutadiene	10.764	225	338612	8.72	ng/uL	99
36) Caprolactam	11.376	55	6135	0.17	ng/uL#	53
37) 1,2-Bis(2-chloroethoxy...	11.621	63	1437	0.02	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.773	107	597090	8.68	ng/uL	92
39) 2-Methylnaphthalene	12.052	142	1344968	8.60	ng/uL	98
40) 1-Methylnaphthalene	12.274	142	1298071	9.12	ng/uL	99
41) 1,3 Dinitrobenzene	13.993	168	238424	9.36	ng/uL	100

084811

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410920-bs1.D
Acq On : 20 Oct 2014 19:17
Operator : JLB
Sample : 1410920-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 21 07:56:10 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:54:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.443	216	524169	8.76	ng/uL	98
44) Hexachlorocyclopentadiene	12.437	237	222967	6.71	ng/uL	98
45) 2,4,6-Trichlorophenol	12.734	196	341748	8.83	ng/uL	95
46) 2,4,5-Trichlorophenol	12.799	196	375326	9.27	ng/uL	94
48) 2-Chloronaphthalene	13.183	162	1192175	9.11	ng/uL	100
49) 1,1'-Biphenyl	13.177	154	1601	0.01	ng/uL#	76
50) 2-Nitroaniline	13.463	138	452473	ab ~~10.24~~	ng/uL	98
51) Acenaphthylene	14.157	152	1957093	9.04	ng/uL#	90
52) 2,6-Dinitrotoluene	14.092	165	356534	10.22	ng/uL	98
53) Dimethyl Phthalate	13.993	163	1464986	10.02	ng/uL	98
54) 3-Nitroaniline	14.442	138	137104	ab ~~4.48~~	ng/uL#	1
55) Acenaphthene	14.576	153	1348369	9.46	ng/uL	98
56) 2,4-Dinitrophenol	14.699	184	164295	10.57	ng/uL	95
57) Dibenzofuran	14.996	168	1755324	9.49	ng/uL	99
58) 4-Nitrophenol	14.908	65	314852	11.43	ng/uL	86
59) 2,4-Dinitrotoluene	15.031	165	450256	10.29	ng/uL#	83
60) 2,3,5,6-Tetrachlorophenol	15.206	232	309923	9.31	ng/uL	96
61) 2,3,4,6-Tetrachlorophenol	15.305	232	314893	9.39	ng/uL	94
62) Fluorene	15.812	166	1454489	9.72	ng/uL	96
63) Diethyl Phthalate	15.701	149	1429119	10.38	ng/uL	98
64) 4-Chlorophenyl Phenyl ...	15.882	204	654669	9.48	ng/uL	89
65) 4-Nitroaniline	15.894	138	221447	ab ~~10.01~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.981	198	252201	9.75	ng/uL	94
68) N-Nitroso-diphenylamine	16.173	169	1130626	9.22	ng/uL	98
69) 1,2-Diphenylhydrazine	16.255	182	407187	9.16	ng/uL	87
71) 4-Bromophenyl Phenyl E...	17.036	248	352101	9.40	ng/uL	98
72) Hexachlorobenzene	17.100	284	367313	8.97	ng/uL#	95
73) Atrazine	17.479	200	569	0.02	ng/uL#	65
74) Pentachlorophenol	17.555	266	222363	9.26	ng/uL	97
75) Phenanthrene	17.957	178	1991001	9.27	ng/uL	100
76) Anthracene	18.056	178	1974038	9.53	ng/uL	100
77) Carbazole	18.377	167	1769378	9.90	ng/uL	99
79) Di-n-butyl Phthalate	19.041	149	2228981	10.45	ng/uL	99
80) Fluoroanthene	19.816	202	1926034	9.40	ng/uL	96
~~82) Pyrene~~	~~20.108~~	~~202~~	~~2007744~~	~~9.39~~	~~ng/uL~~	~~98~~
83) Butyl Benzyl Phthalate	20.929	149	952038	11.28	ng/uL	92
84) Bis(2-ethylhexyl) adipate	21.029	129	866715	10.42	ng/uL#	100
85) Benzo(a)anthracene	21.512	228	1608994	9.79	ng/uL	97
86) Chrysene	21.553	228	1535740	9.57	ng/uL#	86
87) Bis(2-ethylhexyl)phtha...	21.553	149	1208478	11.18	ng/uL	94
88) Di-n-octyl Phthalate	22.235	149	2136171	11.10	ng/uL	100
90) Benzo(b)fluoroanthene	22.707	252	1395710	10.02	ng/uL	97
91) Benzo(k)fluoranthene	22.748	252	1485166	9.44	ng/uL	96
92) Benzo(a)pyrene	23.127	252	1339794	10.20	ng/uL	97
93) Indeno(1,2,3-cd)pyrene	24.846	276	1253769	11.03	ng/uL#	84
94) Dibdenz(a,h)anthracene	24.875	278	1024286	11.03	ng/uL#	86
95) Benzo(g,h,i)Perylene	25.342	276	1014772	10.36	ng/uL	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004012

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102014a_339\
Data File : 1410920-bs1.D
Acq On : 20 Oct 2014 19:17
Operator : JLB
Sample : 1410920-bs1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 21 07:48:08 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Tue Oct 21 07:47:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.669	152	320803	5.00	ng/uL	#	0.02
8) Naphthalene-d8	10.391	136	1229568	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.500	164	675603	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.910	188	1108720	5.00	ng/uL		0.00
19) Chrysene-d12	21.524	240	901443	5.00	ng/uL	#	0.00
22) Perylene-d12	23.197	264	766762	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.298	74	442838	8.71	ng/uL		82
3) Pyridine	3.181	79	743	0.01	ng/uL		100
4) Aniline	7.040	93	178605	1.30	ng/uL	#	1
5) Benzaldehyde	6.783	105	239	0.00	ng/uL	#	1
6) Acetophenone	8.549	105	7792	0.06	ng/uL	#	1
7) N-Nitroso-di-n-propyla...	8.538	70	526710	8.54	ng/uL		97
9) 4-Chloroaniline	10.601	127	170094	1.71	ng/uL	#	1
10) Caprolactam	11.376	55	2925	0.17	ng/uL	#	69
12) 1,1'-Biphenyl	13.177	154	1601	0.01	ng/uL	#	76
13) 2-Nitroaniline	13.463	138	452473	9.45	ng/uL		98
14) 3-Nitroaniline	14.442	138	137104	3.36	ng/uL	#	1
15) 4-Nitroaniline	15.894	138	201175	5.66	ng/uL	#	1
17) N-Nitroso-diphenylamine	16.173	169	1131092	8.76	ng/uL		98
18) Atrazine	17.479	200	569	Below Cal		#	65
20) Benzidine	20.032	184	4388	0.44	ng/uL	#	71
21) 3,3'-Dichlorobenzidine	21.489	252	307349	5.93	ng/uL		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

004613

LCS / LCS DUPLICATE RECOVERY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410920-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 29 grams / 1 mL
Sequence: 4J22044

QC Batch: 1410920

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	345	316	92	40 - 123	ug/kg wet
Acenaphthylene	345	308	89	32 - 132	ug/kg wet
Anthracene	345	339	98	47 - 123	ug/kg wet
Benzo(a)anthracene	345	364	106	49 - 126	ug/kg wet
Benzo(a)pyrene	345	367	106	45 - 129	ug/kg wet
Benzo(b)fluoranthene	345	364	106	45 - 132	ug/kg wet
Benzo(k)fluoranthene	345	327	95	47 - 132	ug/kg wet
Benzo(g,h,i)perylene	345	372	108	43 - 134	ug/kg wet
Benzoic Acid	1720	1410	82	0 - 110	ug/kg wet
Benzyl Alcohol	345	325	94	29 - 122	ug/kg wet
4-Bromophenyl Phenyl Ether	345	322	93	46 - 124	ug/kg wet
Butyl Benzyl Phthalate	345	403	117	48 - 132	ug/kg wet
Carbazole	345	369	107	50 - 123	ug/kg wet
4-Chloro-3-methylphenol	345	328	95	45 - 122	ug/kg wet
4-Chloroaniline	345	97.2	28	17 - 106	ug/kg wet
Bis(2-chloroethoxy)methane	345	311	90	36 - 121	ug/kg wet
Bis(2-chloroethyl) Ether	345	284	82	31 - 120	ug/kg wet
Bis(2-chloroisopropyl) Ether	345	287	83	33 - 131	ug/kg wet
2-Chloronaphthalene	345	331	96	41 - 114	ug/kg wet
2-Chlorophenol	345	303	88	34 - 121	ug/kg wet
4-Chlorophenyl Phenyl Ether	345	317	92	45 - 121	ug/kg wet
Chrysene	345	334	97	50 - 124	ug/kg wet
Dibenz(a,h)anthracene	345	388	113	45 - 134	ug/kg wet
Dibenzofuran	345	317	92	44 - 120	ug/kg wet
Di-n-butyl Phthalate	345	363	105	51 - 128	ug/kg wet
1,4-Dichlorobenzene	345	279	81	31 - 115	ug/kg wet
1,2-Dichlorobenzene	345	293	85	33 - 117	ug/kg wet
1,3-Dichlorobenzene	345	276	80	30 - 115	ug/kg wet
3,3´-Dichlorobenzidine	690	301	44	22 - 121	ug/kg wet

LCS / LCS DUPLICATE RECOVERY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410920-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 29 grams / 1 mL
Sequence: 4J22044

QC Batch: 1410920

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
2,4-Dichlorophenol	345	317	92	40 - 122	ug/kg wet
Diethyl Phthalate	345	343	99	50 - 124	ug/kg wet
2,4-Dimethylphenol	345	300	87	30 - 127	ug/kg wet
Dimethyl Phthalate	345	315	91	48 - 124	ug/kg wet
4,6-Dinitro-2-methylphenol	345	387	112	29 - 132	ug/kg wet
2,4-Dinitrophenol	345	483	140 *	15 - 130	ug/kg wet
2,6-Dinitrotoluene	345	327	95	46 - 124	ug/kg wet
2,4-Dinitrotoluene	345	357	104	48 - 126	ug/kg wet
Di-n-octyl Phthalate	345	405	118	45 - 140	ug/kg wet
1,2-Diphenylhydrazine	345	319	92	41 - 125	ug/kg wet
Bis(2-ethylhexyl) Phthalate	345	385	112	51 - 133	ug/kg wet
Fluoranthene	345	342	99	50 - 127	ug/kg wet
Fluorene	345	323	94	43 - 125	ug/kg wet
Hexachlorobenzene	345	304	88	45 - 122	ug/kg wet
Hexachlorobutadiene	345	281	82	32 - 132	ug/kg wet
Hexachloroethane	345	272	79	28 - 117	ug/kg wet
Indeno(1,2,3-cd)pyrene	345	397	115	45 - 133	ug/kg wet
Isophorone	345	269	78	30 - 122	ug/kg wet
2-Methylnaphthalene	345	307	89	38 - 122	ug/kg wet
3+4-Methylphenol	345	333	96	34 - 119	ug/kg wet
2-Methylphenol	345	308	89	32 - 122	ug/kg wet
Naphthalene	345	302	88	35 - 123	ug/kg wet
4-Nitroaniline	345	328	95	35 - 115	ug/kg wet
2-Nitroaniline	345	320	93	45 - 120	ug/kg wet
3-Nitroaniline	345	140	40	25 - 110	ug/kg wet
Nitrobenzene	345	308	89	34 - 122	ug/kg wet
2-Nitrophenol	345	330	96	36 - 123	ug/kg wet
4-Nitrophenol	345	451	131	30 - 132	ug/kg wet
N-Nitroso-dimethylamine	345	283	82	23 - 120	ug/kg wet

LCS / LCS DUPLICATE RECOVERY
USEPA-8270D

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410920-BS2
Preparation: 3550C Sonication Extraction
Initial/Final: 29 grams / 1 mL
Sequence: 4J22044

QC Batch: 1410920

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
N-Nitroso-diphenylamine	345	331	96	38 - 127	ug/kg wet
N-Nitroso-di-n-propylamine	345	320	93	36 - 120	ug/kg wet
Pentachlorophenol	345	375	109	25 - 133	ug/kg wet
Phenanthrene	345	330	96	50 - 121	ug/kg wet
Phenol	345	309	90	34 - 121	ug/kg wet
Pyrene	345	341	99	47 - 127	ug/kg wet
1,2,4-Trichlorobenzene	345	289	84	34 - 118	ug/kg wet
2,4,5-Trichlorophenol	345	326	95	41 - 124	ug/kg wet
2,4,6-Trichlorophenol	345	342	99	39 - 126	ug/kg wet

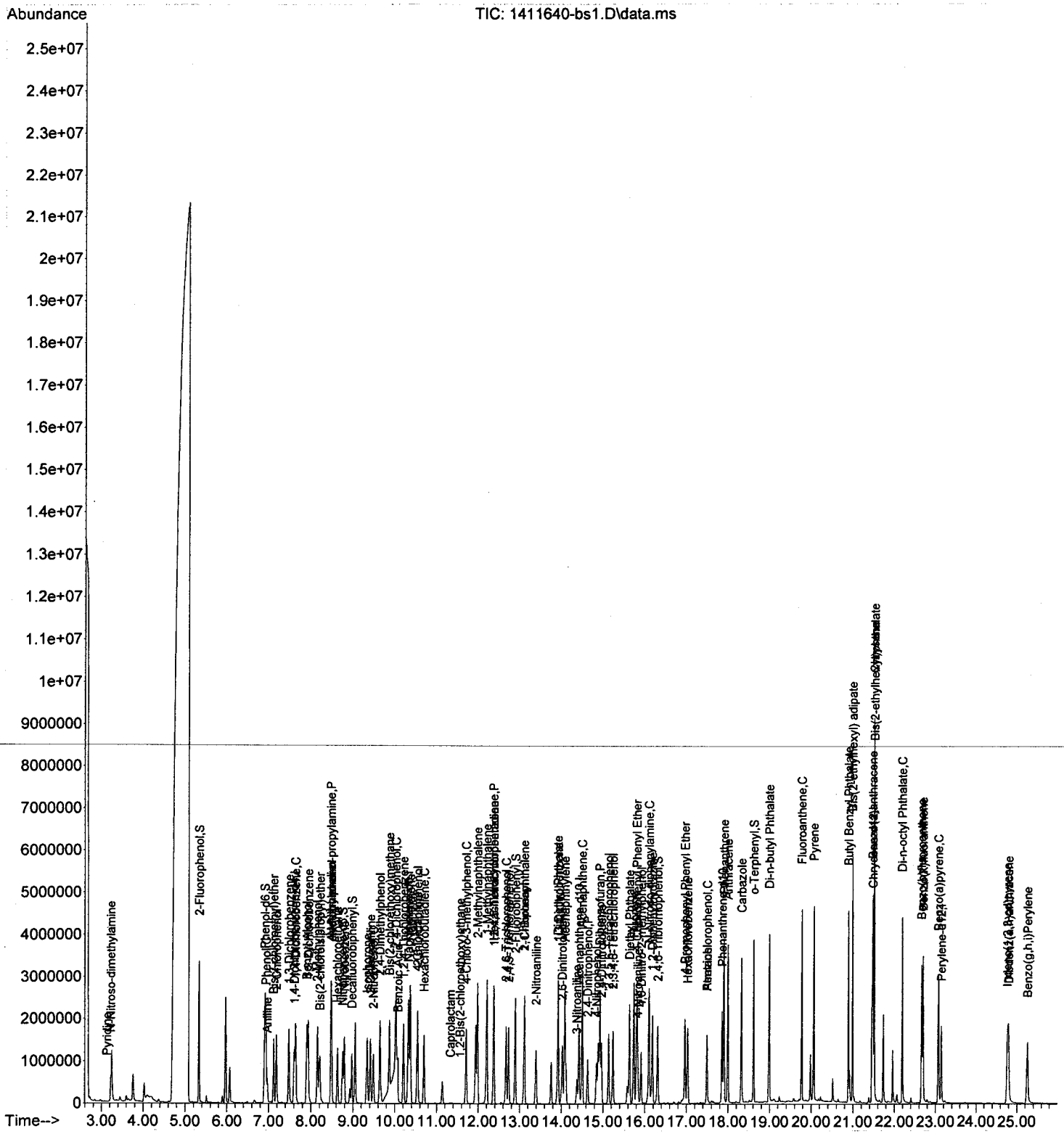
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1411640-bs1.D
Acq On : 22 Oct 2014 12:35
Operator : JLB
Sample : 1411640-bs1 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 13:35:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration



034817

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1411640-bs1.D
Acq On : 22 Oct 2014 12:35
Operator : JLB
Sample : 1411640-bs1
ALS Vial : 10 Sample Multiplier: 1

=1410920-bs2

Inst : 339

Quant Time: Oct 22 13:35:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.605	152	354809	5.00	ng/uL	# 0.02
20) Naphthalene-d8	10.321	136	1368738	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.431	164	761089	5.00	ng/uL	-0.01
66) Phenanthrene-d10	17.858	188	1249486	5.00	ng/uL	0.00
81) Chrysene-d12	21.483	240	1015976	5.00	ng/uL	# 0.00
89) Perylene-d12	23.144	264	942131	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.332	112	1363099	16.81	ng/uL	0.17
6) Phenol-d6	6.912	99	1873751	17.86	ng/uL	0.02
21) Nitrobenzene-d5	8.754	82	774888	8.86	ng/uL	0.00
23) Decafluorobiphenyl	8.975	334	481574	7.85	ng/uL	0.00
47) 2-Fluorobiphenyl	12.898	172	1466665	9.33	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.313	330	339612	17.92	ng/uL	-0.01
78) o-Terphenyl	18.616	230	1027982	9.60	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.222	74	429858	8.20	ng/uL#	78
3) Pyridine	3.129	79	193	0.00	ng/uL	98
5) Aniline	6.970	93	428257	5.05	ng/uL#	1
7) Phenol	6.941	94	1068406	8.96	ng/uL	92
8) Bis(2-chloroethyl)ether	7.122	93	828180	8.25	ng/uL#	79
9) 2-Chlorophenol	7.186	128	831069	8.78	ng/uL#	35
10) 1,3-Dichlorobenzene	7.483	146	821468	8.01	ng/uL	96
11) 1,4-Dichlorobenzene	7.634	146	831952	8.08	ng/uL	94
12) 1,2-Dichlorobenzene	7.938	146	818398	8.51	ng/uL	94
13) Bis(2-chloroisipropyl)...	8.211	45	1330270	8.33	ng/uL	96
14) Benzyl Alcohol	7.903	108	575352	9.43	ng/uL	86
15) 2-Methylphenol	8.147	108	756934	8.93	ng/uL	95
16) Acetophenone	8.485	105	9725	0.08	ng/uL#	1
17) Hexachloroethane	8.625	119	302363	7.90	ng/uL	97
18) 4-Methylphenol	8.485	108	814916	9.65	ng/uL	89
19) N-Nitroso-di-n-propyla...	8.480	70	594539	9.29	ng/uL	99
~~22) Nitrobenzene~~	~~8.794~~	~~77~~	~~853717~~	~~8.93~~	~~ng/uL#~~	~~64~~
24) Isophorone	9.336	82	1370648	7.79	ng/uL	99
25) 2-Chloroaniline	9.418	127	886085	7.91	ng/uL	99
26) 2-Nitrophenol	9.488	139	434772	9.56	ng/uL#	87
27) 2,4-Dimethylphenol	9.645	107	767097	8.70	ng/uL#	46
28) Bis(2-chlorethoxy)methane	9.873	93	962328	9.02	ng/uL	95
29) 2,4-Dichlorophenol	10.024	162	638402	9.18	ng/uL	99
30) Benzoic Acid	10.077	105	2880554	40.84	ng/uL	96
31) 1,2,4-Trichlorobenzene	10.211	180	663710	8.38	ng/uL	98
32) Naphthalene	10.374	128	2397689	8.77	ng/uL	99
33) 4-Chloroaniline	10.537	127	311981 ab	~~4.66~~	ng/uL#	1
34) 2,6-Dichlorophenol	10.543	162	645775	9.36	ng/uL	95
35) Hexachlorobutadiene	10.700	225	352168	8.15	ng/uL	99
36) Caprolactam	11.336	55	10102	0.26	ng/uL#	40
37) 1,2-Bis(2-chloroethoxy...	11.563	63	1874	0.02	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.709	107	728340	9.51	ng/uL	93
39) 2-Methylnaphthalene	11.983	142	1551015	8.91	ng/uL	99
40) 1-Methylnaphthalene	12.210	142	1513539	9.56	ng/uL	99
41) 1,3 Dinitrobenzene	13.929	168	263218	9.28	ng/uL	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1411640-bs1.D
Acq On : 22 Oct 2014 12:35
Operator : JLB
Sample : 1411640-bs1 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 13:35:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 07:58:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.379	216	601798	8.93	ng/uL	98
44) Hexachlorocyclopentadiene	12.373	237	293658	7.85	ng/uL	99
45) 2,4,6-Trichlorophenol	12.670	196	432486	9.92	ng/uL	95
46) 2,4,5-Trichlorophenol	12.734	196	431855	9.46	ng/uL	91
48) 2-Chloronaphthalene	13.113	162	1416692	9.61	ng/uL	100
49) 1,1'-Biphenyl	13.113	154	2335	0.01	ng/uL#	79
50) 2-Nitroaniline	13.399	138	498773	ab ~~10.02~~	ng/uL	99
51) Acenaphthylene	14.087	152	2180869	8.94	ng/uL#	89
52) 2,6-Dinitrotoluene	14.023	165	373007	9.49	ng/uL	98
53) Dimethyl Phthalate	13.924	163	1503088	9.13	ng/uL	98
54) 3-Nitroaniline	14.378	138	185246	ab ~~5.37~~	ng/uL#	1
55) Acenaphthene	14.506	153	1471984	9.16	ng/uL	97
56) 2,4-Dinitrophenol	14.640	184	267485	14.02	ng/uL	97
57) Dibenzofuran	14.926	168	1918025	9.20	ng/uL	100
58) 4-Nitrophenol	14.850	65	406047	13.08	ng/uL	86
59) 2,4-Dinitrotoluene	14.967	165	510363	10.35	ng/uL#	85
60) 2,3,5,6-Tetrachlorophenol	15.136	232	372584	9.93	ng/uL	97
61) 2,3,4,6-Tetrachlorophenol	15.241	232	366802	9.71	ng/uL	95
62) Fluorene	15.742	166	1579989	9.37	ng/uL	98
63) Diethyl Phthalate	15.637	149	1542272	9.94	ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.812	204	715039	9.19	ng/uL	89
65) 4-Nitroaniline	15.835	138	354233	ab ~~14.21~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.917	198	332318	11.23	ng/uL	95
68) N-Nitroso-diphenylamine	16.103	169	1325956	9.60	ng/uL	99
69) 1,2-Diphenylhydrazine	16.185	182	462480	9.24	ng/uL	82
71) 4-Bromophenyl Phenyl E...	16.966	248	394260	9.34	ng/uL	98
72) Hexachlorobenzene	17.030	284	406835	8.82	ng/uL#	95
73) Atrazine	17.496	200	58976	1.42	ng/uL#	25
74) Pentachlorophenol	17.496	266	294416	10.88	ng/uL	97
75) Phenanthrene	17.904	178	2317458	9.58	ng/uL	99
76) Anthracene	17.998	178	2296763	9.84	ng/uL	100
77) Carbazole	18.324	167	2152710	10.69	ng/uL	99
79) Di-n-butyl Phthalate	18.994	149	2530555	10.53	ng/uL	99
80) Fluoroanthene	19.775	202	2288954	9.92	ng/uL	95
82) Pyrene	20.067	202	2383282	9.89	ng/uL	98
83) Butyl Benzyl Phthalate	20.889	149	1112782	11.69	ng/uL	92
84) Bis(2-ethylhexyl) adipate	20.988	129	1000862	10.67	ng/uL#	100
85) Benzo(a)anthracene	21.472	228	1954008	10.55	ng/uL	98
86) Chrysene	21.512	228	1751010	9.68	ng/uL#	87
87) Bis(2-ethylhexyl)phtha...	21.518	149	1360663	11.17	ng/uL	94
88) Di-n-octyl Phthalate	22.189	149	2552393	11.75	ng/uL	100
90) Benzo(b)fluoroanthene	22.661	252	1807295	10.56	ng/uL	97
91) Benzo(k)fluoranthene	22.696	252	1832192	9.48	ng/uL	97
92) Benzo(a)pyrene	23.074	252	1719534	10.65	ng/uL	98
93) Indeno(1,2,3-cd)pyrene	24.771	276	1607108	11.51	ng/uL#	84
94) Dibdenz(a,h)anthracene	24.800	278	1285090	11.26	ng/uL#	86
95) Benzo(g,h,i)Perylene	25.260	276	1300095	10.80	ng/uL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

=1410920-bs2

Data Path : C:\msdchem\1\data\102214_339\
Data File : 1411640-bs1.D
Acq On : 22 Oct 2014 12:35
Operator : JLB
Sample : 1411640-bs1 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 13:31:47 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 22 09:59:32 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.605	152	353044	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.321	136	1368738	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.431	164	759711	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.858	188	1249486	5.00	ng/uL		0.00
19) Chrysene-d12	21.483	240	1015976	5.00	ng/uL	#	0.00
22) Perylene-d12	23.144	264	939493	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.222	74	440746	7.88	ng/uL		81
3) Pyridine	3.129	79	193	0.00	ng/uL		98
4) Aniline	6.970	93	428257	2.84	ng/uL	#	1
5) Benzaldehyde	6.713	105	894	0.01	ng/uL	#	46
6) Acetophenone	8.485	105	9725	0.07	ng/uL	#	1
7) N-Nitroso-di-n-propyla...	8.480	70	594796	8.76	ng/uL		99
9) 4-Chloroaniline	10.537	127	311981	2.82	ng/uL	#	1
10) Caprolactam	11.336	55	4441	0.20	ng/uL	#	64
12) 1,1'-Biphenyl	13.113	154	2335	0.01	ng/uL	#	79
13) 2-Nitroaniline	13.399	138	498773	9.27	ng/uL		99
14) 3-Nitroaniline	14.378	138	185246	4.05	ng/uL	#	1
15) 4-Nitroaniline	15.835	138	378471	9.50	ng/uL	#	1
17) N-Nitroso-diphenylamine	16.103	169	1326604	9.12	ng/uL		99
18) Atrazine	17.421	200	193	Below Cal			95
20) Benzidine	19.985	184	567321	4.29	ng/uL		96
21) 3,3'-Dichlorobenzidine	21.454	252	509471	8.72	ng/uL		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410423

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410423-MS1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.3 grams / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Acenaphthene	356	ND	339	95	40 - 123	ug/kg dry
Acenaphthylene	356	ND	331	93	32 - 132	ug/kg dry
Anthracene	356	ND	357	100	47 - 123	ug/kg dry
Benzo(a)anthracene	356	ND	372	104	49 - 126	ug/kg dry
Benzo(a)pyrene	356	ND	388	109	45 - 129	ug/kg dry
Benzo(b)fluoranthene	356	ND	417	117	45 - 132	ug/kg dry
Benzo(k)fluoranthene	356	ND	386	108	47 - 132	ug/kg dry
Benzo(g,h,i)perylene	356	ND	208	58	43 - 134	ug/kg dry
Benzoic Acid	1780	ND	832	47	0 - 110	ug/kg dry
Benzyl Alcohol	356	ND	221	62	29 - 122	ug/kg dry
4-Bromophenyl Phenyl Ether	356	ND	370	104	46 - 124	ug/kg dry
Butyl Benzyl Phthalate	356	ND	404	114	48 - 132	ug/kg dry
Carbazole	356	ND	388	109	50 - 123	ug/kg dry
4-Chloro-3-methylphenol	356	ND	420	118	45 - 122	ug/kg dry
4-Chloroaniline	356	ND	112	31	17 - 106	ug/kg dry
Bis(2-chloroethoxy)methane	356	ND	309	87	36 - 121	ug/kg dry
Bis(2-chloroethyl) Ether	356	ND	304	85	31 - 120	ug/kg dry
Bis(2-chloroisopropyl) Ether	356	ND	271	76	33 - 131	ug/kg dry
2-Chloronaphthalene	356	ND	352	99	41 - 114	ug/kg dry
2-Chlorophenol	356	ND	216	61	34 - 121	ug/kg dry
4-Chlorophenyl Phenyl Ether	356	ND	358	101	45 - 121	ug/kg dry
Chrysene	356	ND	337	95	50 - 124	ug/kg dry
Dibenz(a,h)anthracene	356	ND	234	66	45 - 134	ug/kg dry
Dibenzofuran	356	ND	346	97	44 - 120	ug/kg dry
Di-n-butyl Phthalate	356	28.2	411	108	51 - 128	ug/kg dry
1,4-Dichlorobenzene	356	ND	312	88	31 - 115	ug/kg dry
1,2-Dichlorobenzene	356	ND	325	91	33 - 117	ug/kg dry
1,3-Dichlorobenzene	356	ND	324	91	30 - 115	ug/kg dry
3,3'-Dichlorobenzidine	711	ND	305	43	22 - 121	ug/kg dry
2,4-Dichlorophenol	356	ND	311	88	40 - 122	ug/kg dry
Diethyl Phthalate	356	ND	365	103	50 - 124	ug/kg dry
2,4-Dimethylphenol	356	ND	302	85	30 - 127	ug/kg dry
Dimethyl Phthalate	356	ND	363	102	48 - 124	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410423

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-MS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.3 grams / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
4,6-Dinitro-2-methylphenol	356	ND	306	86	29 - 132	ug/kg dry
2,4-Dinitrophenol	356	ND	248	70	15 - 130	ug/kg dry
2,6-Dinitrotoluene	356	ND	371	104	46 - 124	ug/kg dry
2,4-Dinitrotoluene	356	ND	381	107	48 - 126	ug/kg dry
Di-n-octyl Phthalate	356	ND	429	121	45 - 140	ug/kg dry
1,2-Diphenylhydrazine	356	ND	362	102	41 - 125	ug/kg dry
Bis(2-ethylhexyl) Phthalate	356	59.7	457	112	51 - 133	ug/kg dry
Fluoranthene	356	ND	354	100	50 - 127	ug/kg dry
Fluorene	356	ND	358	101	43 - 125	ug/kg dry
Hexachlorobenzene	356	ND	346	97	45 - 122	ug/kg dry
Hexachlorobutadiene	356	ND	362	102	32 - 123	ug/kg dry
Hexachloroethane	356	ND	307	86	28 - 117	ug/kg dry
Indeno(1,2,3-cd)pyrene	356	ND	243	68	45 - 133	ug/kg dry
Isophorone	356	ND	286	80	30 - 122	ug/kg dry
2-Methylnaphthalene	356	ND	377	106	38 - 122	ug/kg dry
3+4-Methylphenol	356	ND	235	66	34 - 119	ug/kg dry
2-Methylphenol	356	ND	190	54	32 - 122	ug/kg dry
Naphthalene	356	ND	334	94	35 - 123	ug/kg dry
4-Nitroaniline	356	ND	308	87	35 - 115	ug/kg dry
2-Nitroaniline	356	ND	374	105	45 - 120	ug/kg dry
3-Nitroaniline	356	ND	204	57	25 - 110	ug/kg dry
Nitrobenzene	356	ND	309	87	34 - 122	ug/kg dry
2-Nitrophenol	356	ND	314	88	36 - 123	ug/kg dry
4-Nitrophenol	356	ND	406	114	30 - 132	ug/kg dry
N-Nitroso-dimethylamine	356	ND	302	85	23 - 120	ug/kg dry
N-Nitroso-diphenylamine	356	ND	364	102	38 - 127	ug/kg dry
N-Nitroso-di-n-propylamine	356	ND	269	76	36 - 120	ug/kg dry
Pentachlorophenol	356	ND	384	108	25 - 133	ug/kg dry
Phenanthrene	356	ND	350	98	50 - 121	ug/kg dry
Phenol	356	ND	169	47	34 - 121	ug/kg dry
Pyrene	356	ND	350	98	47 - 127	ug/kg dry
1,2,4-Trichlorobenzene	356	ND	363	102	34 - 118	ug/kg dry
2,4,5-Trichlorophenol	356	ND	367	103	41 - 124	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410423

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410423-MS1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.3 grams / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
2,4,6-Trichlorophenol	356	ND	403	113	39 - 126	ug/kg dry

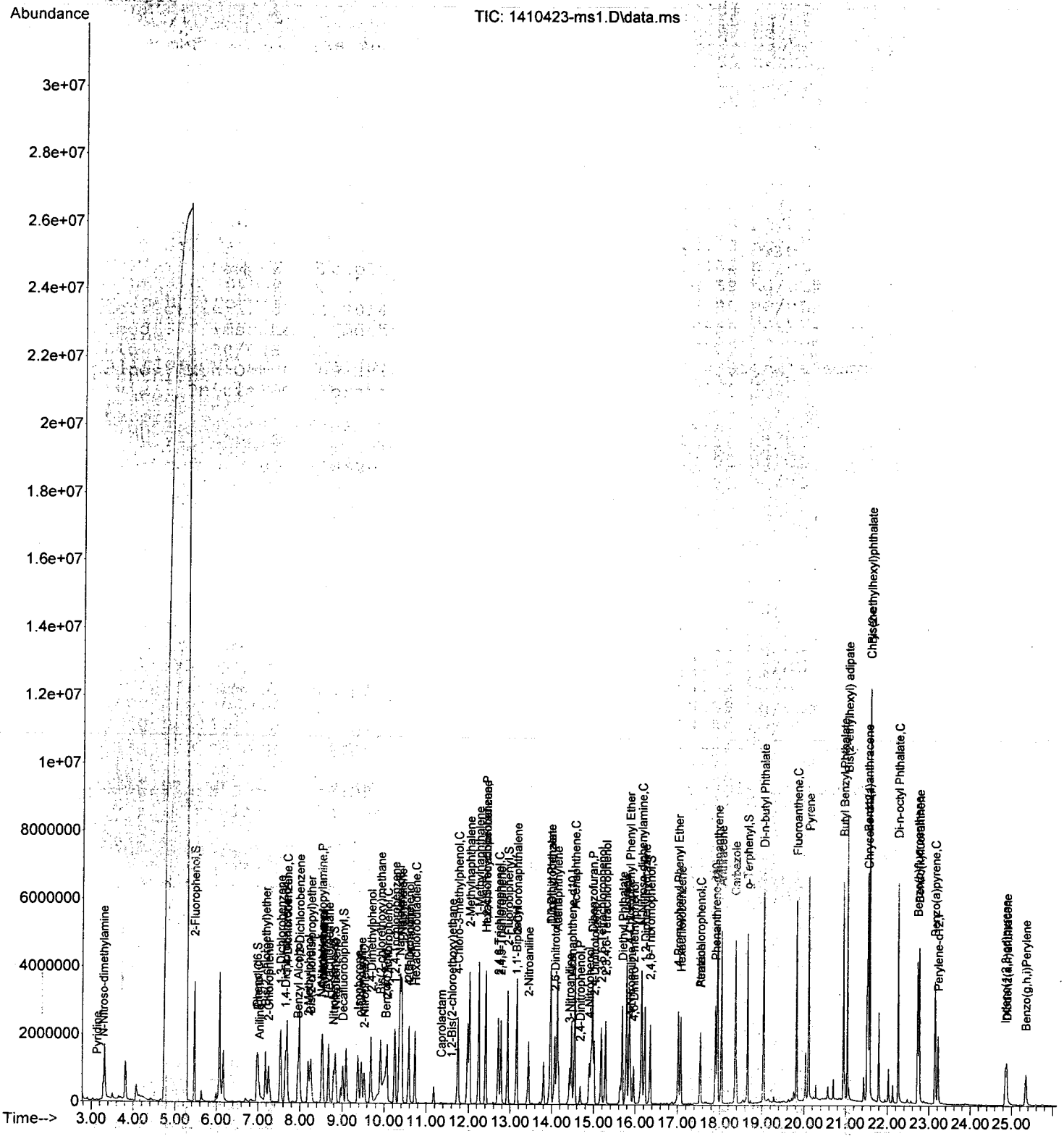
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-ms1.D
Acq On : 5 Oct 2014 22:07
Operator : JLB
Sample : 1410423-ms1 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 06 10:07:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-ms1.D
Acq On : 5 Oct 2014 22:07
Operator : JLB
Sample : 1410423-ms1 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 06 10:07:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.649	152	490335	5.00	ng/uL	#	0.04
20) Naphthalene-d8	10.359	136	1697196	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.474	164	1122749	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.901	188	1815387	5.00	ng/uL		0.00
81) Chrysene-d12	21.538	240	1489046	5.00	ng/uL	#	0.00
89) Perylene-d12	23.217	264	1151780	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.463	112	1320903	11.79	ng/uL		0.28
6) Phenol-d6	6.973	99	1208938	8.34	ng/uL		0.06
21) Nitrobenzene-d5	8.791	82	839376	7.74	ng/uL		0.00
23) Decafluorobiphenyl	9.013	334	658000	8.65	ng/uL		0.00
47) 2-Fluorobiphenyl	12.935	172	2038565	8.79	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.357	330	490561	17.82	ng/uL		0.00
78) o-Terphenyl	18.659	230	1375071	8.83	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.283	74	613863m	8.48	ng/uL		
3) Pyridine	3.132	79	509	0.00	ng/uL		97
5) Aniline	7.031	93	438497	3.80	ng/uL	#	62
7) Phenol	6.996	94	781491	4.74	ng/uL		97
8) Bis(2-chloroethyl)ether	7.177	93	1184832	8.54	ng/uL	#	83
9) 2-Chlorophenol	7.247	128	793564	6.07	ng/uL	#	71
10) 1,3-Dichlorobenzene	7.532	146	1289348	9.10	ng/uL		98
11) 1,4-Dichlorobenzene	7.684	146	1248798	8.77	ng/uL		97
12) 1,2-Dichlorobenzene	7.981	146	1214283	9.13	ng/uL		96
13) Bis(2-chloroisipropyl)...	8.255	45	1684702	7.63	ng/uL		99
14) Benzyl Alcohol	7.946	108	523526	6.21	ng/uL		84
15) 2-Methylphenol	8.197	108	626287	5.35	ng/uL		92
16) Acetophenone	8.523	105	8873	0.05	ng/uL	#	1
17) Hexachloroethane	8.669	119	455604	8.62	ng/uL		96
18) 4-Methylphenol	8.529	108	770574	6.60	ng/uL		89
19) N-Nitroso-di-n-propyla...	8.511	70	668028	7.56	ng/uL		98
22) Nitrobenzene	8.832	77	1030180	8.69	ng/uL	#	69
24) Isophorone	9.374	82	1753574	8.04	ng/uL		96
25) 2-Chloroaniline	9.456	127	986147	7.10	ng/uL		97
26) 2-Nitrophenol	9.526	139	496929	8.82	ng/uL	#	82
27) 2,4-Dimethylphenol	9.689	107	929926	8.50	ng/uL	#	55
28) Bis(2-chlorethoxy)methane	9.910	93	1148376	8.68	ng/uL		97
29) 2,4-Dichlorophenol	10.068	162	754559	8.75	ng/uL		100
30) Benzoic Acid	10.039	105	1948105	23.39	ng/uL	#	50
31) 1,2,4-Trichlorobenzene	10.248	180	1001563	10.20	ng/uL		99
32) Naphthalene	10.412	128	3184573	9.40	ng/uL		99
33) 4-Chloroaniline	10.581	127	443632	ab ~~5.35~~	ng/uL	#	2
34) 2,6-Dichlorophenol	10.586	162	813295	9.50	ng/uL		90
35) Hexachlorobutadiene	10.738	225	545960	10.19	ng/uL		98
36) Caprolactam	11.356	55	4541	0.09	ng/uL	#	51
37) 1,2-Bis(2-chloroethoxy...	11.601	63	3578	0.03	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.752	107	1121408	11.81	ng/uL		93
39) 2-Methylnaphthalene	12.026	142	2284856	10.59	ng/uL		98
40) 1-Methylnaphthalene	12.248	142	2355853	12.00	ng/uL		99
41) 1,3 Dinitrobenzene	13.973	168	419105	11.95	ng/uL		100

004625

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-ms1.D
Acq On : 5 Oct 2014 22:07
Operator : JLB
Sample : 1410423-ms1 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 06 10:07:01 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.417	216	931334	9.37	ng/uL	98
44) Hexachlorocyclopentadiene	12.411	237	412331	7.47	ng/uL	98
45) 2,4,6-Trichlorophenol	12.714	196	728551	11.32	ng/uL	97
46) 2,4,5-Trichlorophenol	12.772	196	695603	10.33	ng/uL	95
48) 2-Chloronaphthalene	13.157	162	2155131	9.91	ng/uL	99
49) 1,1'-Biphenyl	13.145	154	2541	0.01	ng/uL#	77
50) 2-Nitroaniline	13.443	138	837451	ab ~~11.40~~	ng/uL	96
51) Acenaphthylene	14.130	152	3355057	9.32	ng/uL#	87
52) 2,6-Dinitrotoluene	14.072	165	604109	10.42	ng/uL	92
53) Dimethyl Phthalate	13.973	163	2482904	10.22	ng/uL	98
54) 3-Nitroaniline	14.428	138	386956	ab ~~7.60~~	ng/uL#	1
55) Acenaphthene	14.550	153	2259856	9.54	ng/uL	98
56) 2,4-Dinitrophenol	14.678	184	145759	6.97	ng/uL	95
57) Dibenzofuran	14.970	168	2989938	9.72	ng/uL	97
58) 4-Nitrophenol	14.894	65	522684	11.41	ng/uL	93
59) 2,4-Dinitrotoluene	15.010	165	778654	10.70	ng/uL#	84
60) 2,3,5,6-Tetrachlorophenol	15.179	232	595762	10.77	ng/uL	100
61) 2,3,4,6-Tetrachlorophenol	15.284	232	601572	10.79	ng/uL	97
62) Fluorene	15.786	166	2507949	10.08	ng/uL	97
63) Diethyl Phthalate	15.687	149	2349929	10.27	ng/uL	95
64) 4-Chlorophenyl Phenyl ...	15.861	204	1157697	10.08	ng/uL	96
65) 4-Nitroaniline	15.885	138	526226	ab ~~14.31~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.961	198	359125	8.61	ng/uL	99
68) N-Nitroso-diphenylamine	16.153	169	2056106	10.24	ng/uL	99
69) 1,2-Diphenylhydrazine	16.234	182	741124	10.19	ng/uL#	73
71) 4-Bromophenyl Phenyl E...	17.015	248	637931	10.40	ng/uL	98
72) Hexachlorobenzene	17.080	284	653338	9.74	ng/uL	99
73) Atrazine	17.540	200	80724	1.33	ng/uL#	25
74) Pentachlorophenol	17.540	266	424498	10.80	ng/uL	95
75) Phenanthrene	17.948	178	3460626	9.84	ng/uL	98
76) Anthracene	18.041	178	3410806	10.05	ng/uL	99
77) Carbazole	18.368	167	3195580	10.92	ng/uL	99
79) Di-n-butyl Phthalate	19.044	149	4034584	11.55	ng/uL	99
80) Fluoroanthene	19.825	202	3342182	9.96	ng/uL	94
82) Pyrene	20.116	202	3471491	9.83	ng/uL	99
83) Butyl Benzyl Phthalate	20.944	149	1584037	11.36	ng/uL	87
84) Bis(2-ethylhexyl) adipate	21.043	129	1492044	10.86	ng/uL#	100
85) Benzo(a)anthracene	21.527	228	2836891	10.45	ng/uL	98
86) Chrysene	21.568	228	2515056	9.48	ng/uL#	84
87) Bis(2-ethylhexyl)phtha...	21.573	149	2296986	12.86	ng/uL	92
88) Di-n-octyl Phthalate	22.255	149	3844070	12.07	ng/uL	99
90) Benzo(b)fluoroanthene	22.728	252	2451604	11.72	ng/uL	98
91) Benzo(k)fluoranthene	22.763	252	2564177	10.85	ng/uL	98
92) Benzo(a)pyrene	23.141	252	2154620	10.92	ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.849	276	1164012	6.82	ng/uL	91
94) Dibenz(a,h)anthracene	24.884	278	919252	6.59	ng/uL#	92
95) Benzo(g,h,i)Perylene	25.345	276	860695	5.85	ng/uL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-ms1.D
Acq On : 5 Oct 2014 22:07
Operator : JLB
Sample : 1410423-ms1 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 06 09:27:59 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

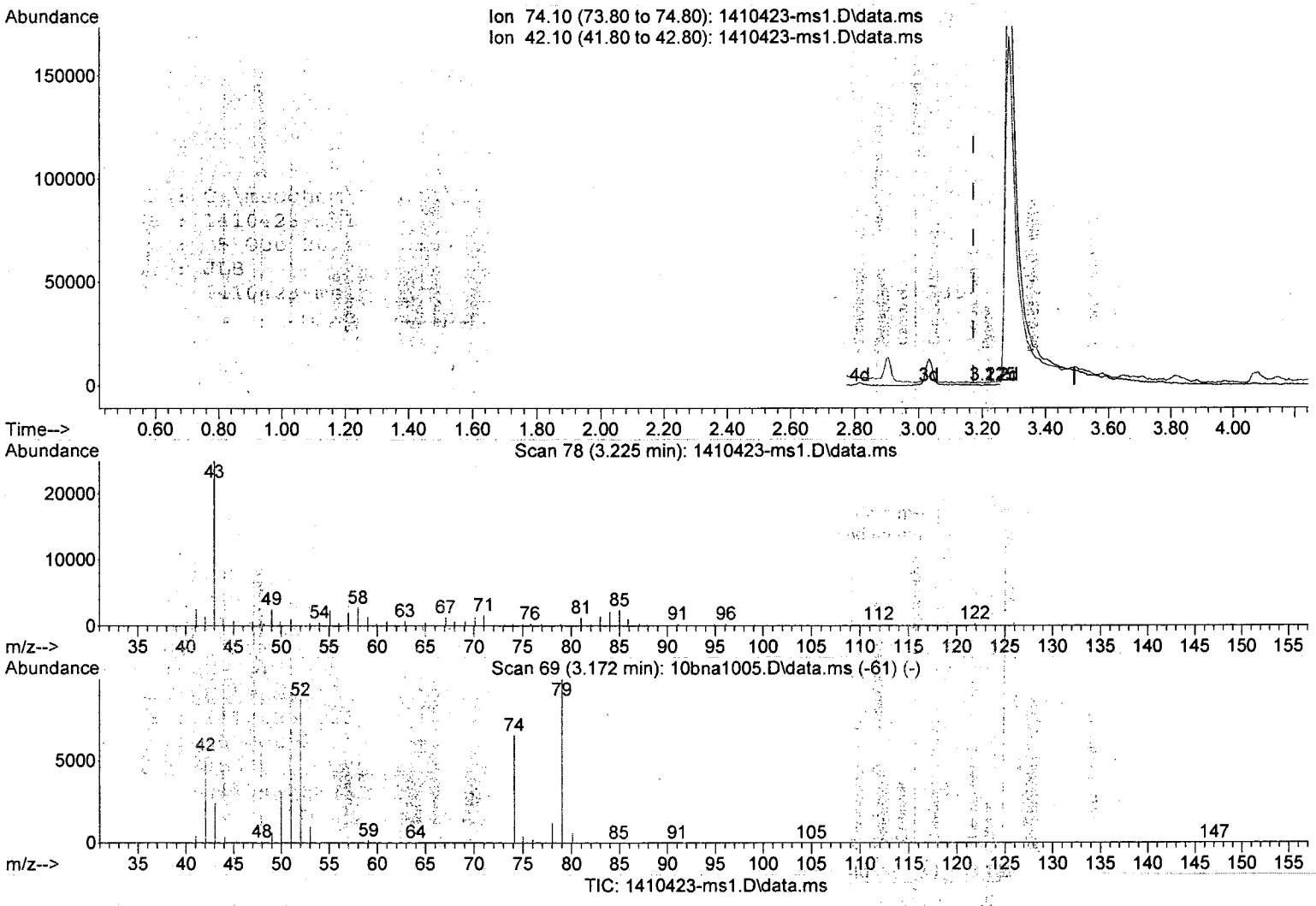
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.649	152	482119	5.00	ng/uL		0.03
8) Naphthalene-d8	10.359	136	1697196	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.474	164	1122749	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.901	188	1816386	5.00	ng/uL		0.00
19) Chrysene-d12	21.538	240	1489046	5.00	ng/uL	#	0.00
22) Perylene-d12	23.217	264	1170315	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.225	74	549	0.01	ng/uL	#	1
3) Pyridine	3.132	79	509	0.00	ng/uL		97
4) Aniline	7.031	93	438497	2.13	ng/uL	#	62
5) Benzaldehyde	6.769	105	923	0.01	ng/uL	#	56
6) Acetophenone	8.523	105	8873	0.05	ng/uL	#	1
7) N-Nitroso-di-n-propyla...	8.511	70	662378	7.14	ng/uL		98
9) 4-Chloroaniline	10.581	127	432142m	3.14	ng/uL		
10) Caprolactam	11.356	55	4375	0.18	ng/uL	#	52
12) 1,1'-Biphenyl	13.145	154	2541	0.01	ng/uL	#	77
13) 2-Nitroaniline	13.443	138	837451	10.52	ng/uL		96
14) 3-Nitroaniline	14.428	138	386956	5.74	ng/uL	#	1
15) 4-Nitroaniline	15.885	138	510018	8.66	ng/uL	#	1
17) N-Nitroso-diphenylamine	16.153	169	2056903	9.73	ng/uL		99
18) Atrazine	17.464	200	256	Below Cal		#	25
20) Benzidine	20.035	184	797437	4.13	ng/uL	#	94
21) 3,3'-Dichlorobenzidine	21.509	252	735097	8.59	ng/uL		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-ms1.D
Acq On : 5 Oct 2014 22:07
Operator : JLB
Sample : 1410423-ms1 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 06 10:06:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1410423-ms1.D\data.ms

(2) N-Nitroso-dimethylamine

3.225min (+ 0.053) 0.01 ng/uL

response 549

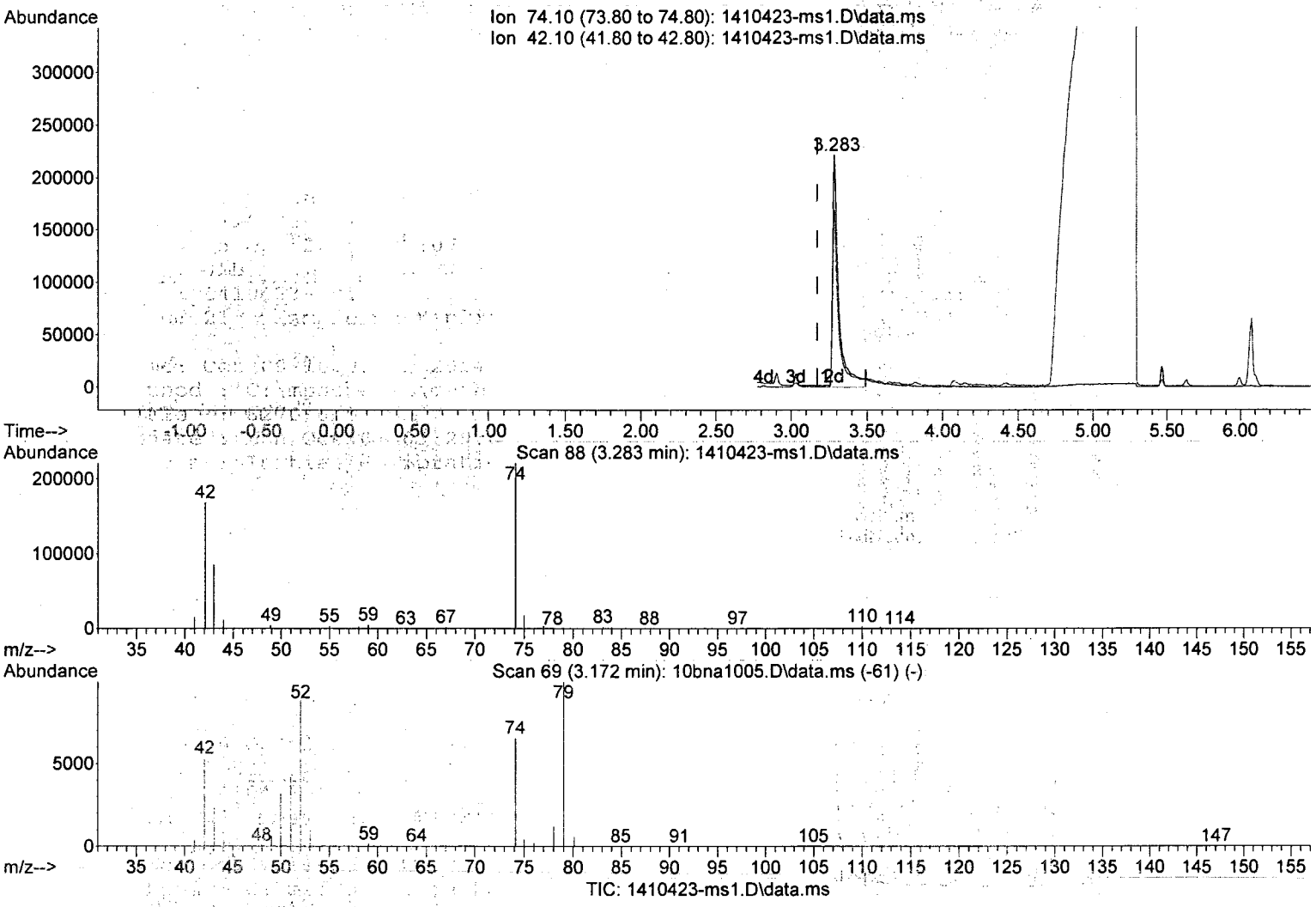
Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	213.84#
0.00	0.00	0.00
0.00	0.00	0.00

JHS 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-ms1.D
Acq On : 5 Oct 2014 22:07
Operator : JLB
Sample : 1410423-ms1 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 06 10:06:51 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



TIC: 1410423-ms1.D\data.ms

(2) N-Nitroso-dimethylamine

3.283min (+ 0.111) 8.48 ng/uL m

response 613863

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	0.19#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

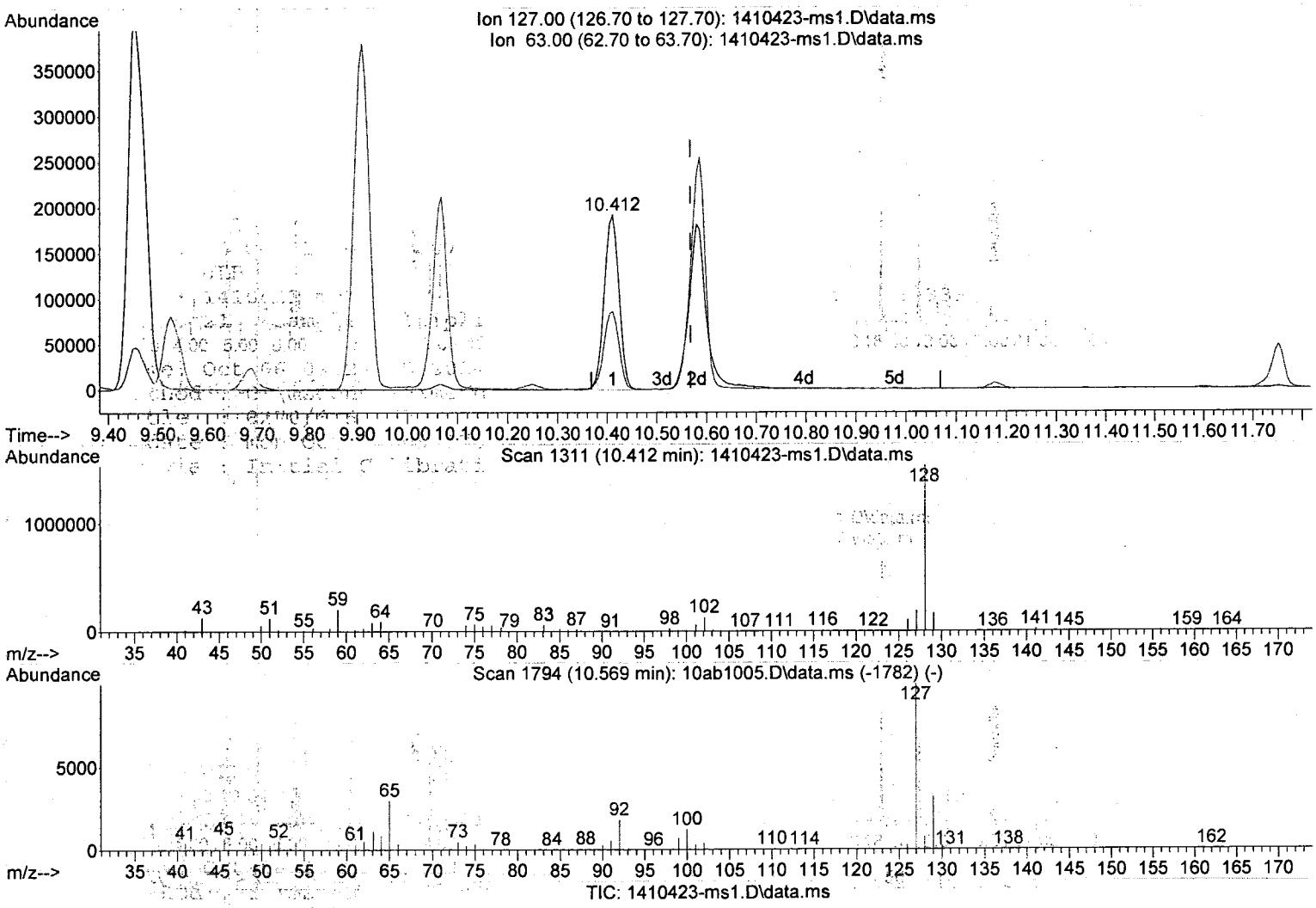
Analyst: JWS Date: 10/7/14

Reviewed By: AKC Date: 10/9/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-ms1.D
Acq On : 5 Oct 2014 22:07
Operator : JLB
Sample : 1410423-ms1 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 06 09:27:45 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration



TIC: 1410423-ms1.D\data.ms

(9) 4-Chloroaniline

10.412min (-0.157) 2.79 ng/uL

response 383971

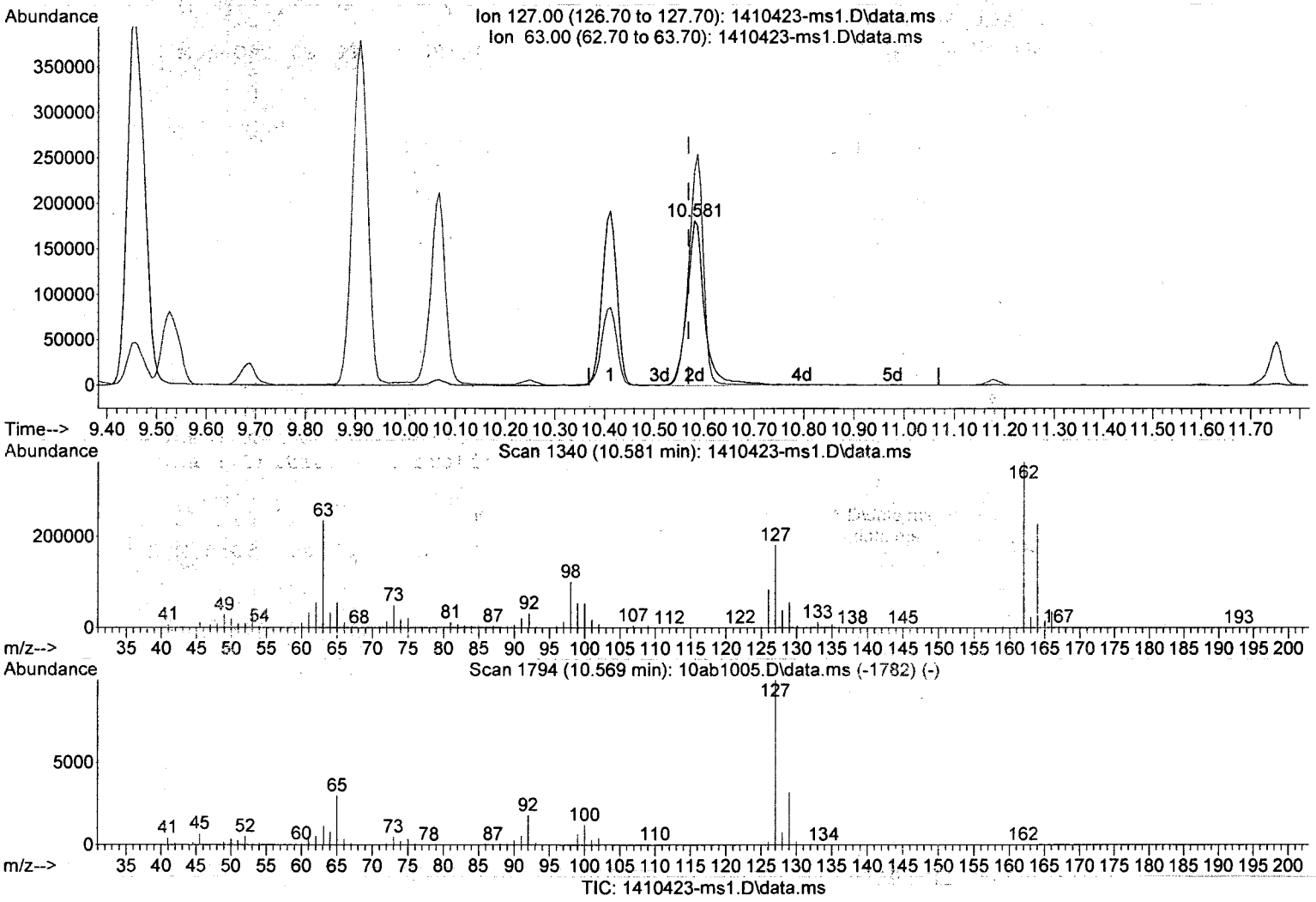
Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	45.11
0.00	0.00	0.00
0.00	0.00	0.00

JWS 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-ms1.D
Acq On : 5 Oct 2014 22:07
Operator : JLB
Sample : 1410423-ms1 Inst : 339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 06 09:27:45 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration



TIC: 1410423-ms1.D\data.ms

(9) 4-Chloroaniline

10.581min (+ 0.012) 3.14 ng/uL m

response 432142

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	40.08
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes / No) Date: 10/9/14
Analyst: Date:
Reviewed By: ASC Date: 10/9/14

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410423

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-MSD1
Preparation: 3550C Sonication Extraction
Initial/Final: 28.8 grams / 1 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Acenaphthene	362	362	100	6	20	40 - 123	ug/kg dry
Acenaphthylene	362	348	96	5	20	32 - 132	ug/kg dry
Anthracene	362	380	105	6	20	47 - 123	ug/kg dry
Benzo(a)anthracene	362	396	110	6	20	49 - 126	ug/kg dry
Benzo(a)pyrene	362	408	113	5	20	45 - 129	ug/kg dry
Benzo(b)fluoranthene	362	457	126	9	20	45 - 132	ug/kg dry
Benzo(k)fluoranthene	362	399	110	3	20	47 - 132	ug/kg dry
Benzo(g,h,i)perylene	362	243	67	15	20	43 - 134	ug/kg dry
Benzoic Acid	1810	608	34	31 *	20	0 - 110	ug/kg dry
Benzyl Alcohol	362	373	103	51 *	20	29 - 122	ug/kg dry
4-Bromophenyl Phenyl Ether	362	394	109	6	20	46 - 124	ug/kg dry
Butyl Benzyl Phthalate	362	439	121	8	20	48 - 132	ug/kg dry
Carbazole	362	404	112	4	20	50 - 123	ug/kg dry
4-Chloro-3-methylphenol	362	334	92	23 *	20	45 - 122	ug/kg dry
4-Chloroaniline	362	109	30	2	20	17 - 106	ug/kg dry
Bis(2-chloroethoxy)methane	362	359	99	15	20	36 - 121	ug/kg dry
Bis(2-chloroethyl) Ether	362	330	91	8	20	31 - 120	ug/kg dry
Bis(2-chloroisopropyl) Ether	362	314	87	14	20	33 - 131	ug/kg dry
2-Chloronaphthalene	362	372	103	5	20	41 - 114	ug/kg dry
2-Chlorophenol	362	365	101	51 *	20	34 - 121	ug/kg dry
4-Chlorophenyl Phenyl Ether	362	402	111	11	20	45 - 121	ug/kg dry
Chrysene	362	373	103	10	20	50 - 124	ug/kg dry
Dibenz(a,h)anthracene	362	264	73	12	20	45 - 134	ug/kg dry
Dibenzofuran	362	378	105	9	20	44 - 120	ug/kg dry
Di-n-butyl Phthalate	362	427	110	4	20	51 - 128	ug/kg dry
1,4-Dichlorobenzene	362	342	95	9	20	31 - 115	ug/kg dry
1,2-Dichlorobenzene	362	353	98	8	20	33 - 117	ug/kg dry
1,3-Dichlorobenzene	362	353	98	9	20	30 - 115	ug/kg dry
3,3'-Dichlorobenzidine	724	323	45	6	20	22 - 121	ug/kg dry
2,4-Dichlorophenol	362	362	100	15	20	40 - 122	ug/kg dry
Diethyl Phthalate	362	414	114	12	20	50 - 124	ug/kg dry
2,4-Dimethylphenol	362	344	95	13	20	30 - 127	ug/kg dry
Dimethyl Phthalate	362	406	112	11	20	48 - 124	ug/kg dry
4,6-Dinitro-2-methylphenol	362	313	86	2	20	29 - 132	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
QC Batch: 1410423

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410423-MSD1
Preparation: 3550C Sonication Extraction
Initial/Final: 28.8 grams / 1 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
2,4-Dinitrophenol	362	247	68	0.2	20	15 - 130	ug/kg dry
2,6-Dinitrotoluene	362	410	113	10	20	46 - 124	ug/kg dry
2,4-Dinitrotoluene	362	425	117	11	20	48 - 126	ug/kg dry
Di-n-octyl Phthalate	362	443	122	3	20	45 - 140	ug/kg dry
1,2-Diphenylhydrazine	362	387	107	7	20	41 - 125	ug/kg dry
Bis(2-ethylhexyl) Phthalate	362	498	121	9	20	51 - 133	ug/kg dry
Fluoranthene	362	376	104	6	20	50 - 127	ug/kg dry
Fluorene	362	404	112	12	20	43 - 125	ug/kg dry
Hexachlorobenzene	362	376	104	8	20	45 - 122	ug/kg dry
Hexachlorobutadiene	362	360	100	0.6	20	32 - 123	ug/kg dry
Hexachloroethane	362	336	93	9	20	28 - 117	ug/kg dry
Indeno(1,2,3-cd)pyrene	362	275	76	13	20	45 - 133	ug/kg dry
Isophorone	362	285	79	0.2	20	30 - 122	ug/kg dry
2-Methylnaphthalene	362	356	98	6	20	38 - 122	ug/kg dry
3+4-Methylphenol	362	374	103	46 *	20	34 - 119	ug/kg dry
2-Methylphenol	362	363	100	63 *	20	32 - 122	ug/kg dry
Naphthalene	362	358	99	7	20	35 - 123	ug/kg dry
4-Nitroaniline	362	322	89	4	20	35 - 115	ug/kg dry
2-Nitroaniline	362	398	110	6	20	45 - 120	ug/kg dry
3-Nitroaniline	362	209	58	3	20	25 - 110	ug/kg dry
Nitrobenzene	362	355	98	14	20	34 - 122	ug/kg dry
2-Nitrophenol	362	382	106	20	20	36 - 123	ug/kg dry
4-Nitrophenol	362	446	123	9	20	30 - 132	ug/kg dry
N-Nitroso-dimethylamine	362	332	92	10	20	23 - 120	ug/kg dry
N-Nitroso-diphenylamine	362	388	107	6	20	38 - 127	ug/kg dry
N-Nitroso-di-n-propylamine	362	357	99	28 *	20	36 - 120	ug/kg dry
Pentachlorophenol	362	404	112	5	20	25 - 133	ug/kg dry
Phenanthrene	362	374	104	7	20	50 - 121	ug/kg dry
Phenol	362	356	98	71 *	20	34 - 121	ug/kg dry
Pyrene	362	390	108	11	20	47 - 127	ug/kg dry
1,2,4-Trichlorobenzene	362	373	103	3	20	34 - 118	ug/kg dry
2,4,5-Trichlorophenol	362	352	97	4	20	41 - 124	ug/kg dry
2,4,6-Trichlorophenol	362	394	109	2	20	39 - 126	ug/kg dry

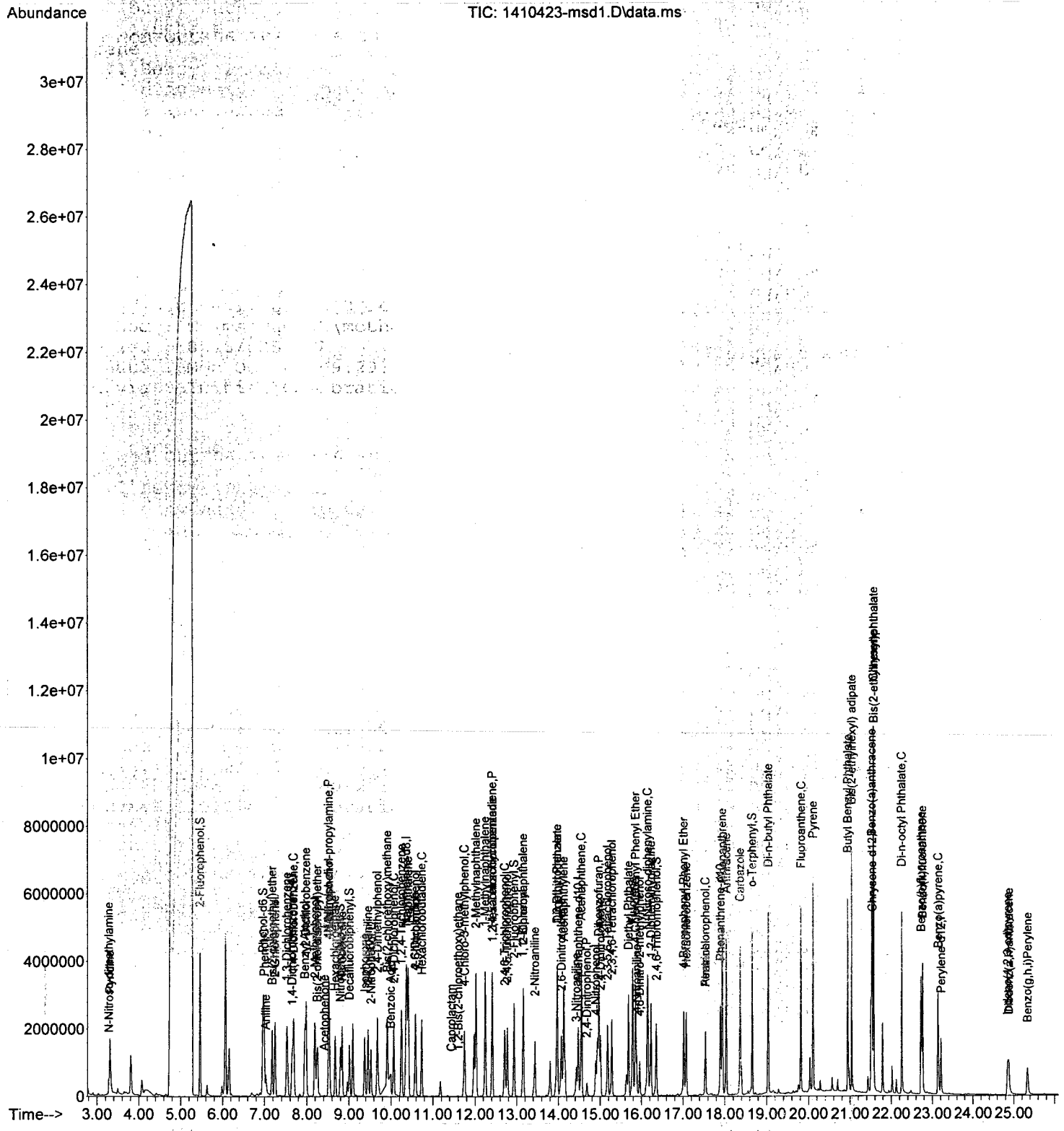
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-msd1.D
Acq On : 5 Oct 2014 22:40
Operator : JLB
Sample : 1410423-msd1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 06 10:09:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-msd1.D
Acq On : 5 Oct 2014 22:40
Operator : JLB
Sample : 1410423-msd1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 06 10:09:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.649	152	435417	5.00	ng/uL	#	0.04
20) Naphthalene-d8	10.365	136	1668654	5.00	ng/uL		0.00
42) Acenaphthene-d10	14.474	164	925567	5.00	ng/uL		0.00
66) Phenanthrene-d10	17.901	188	1575158	5.00	ng/uL		0.00
81) Chrysene-d12	21.539	240	1214468m	5.00	ng/uL		0.00
89) Perylene-d12	23.211	264	892042	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.463	112	1624809	16.33	ng/uL		0.28
6) Phenol-d6	6.967	99	2252312	17.49	ng/uL		0.06
21) Nitrobenzene-d5	8.797	82	938001	8.79	ng/uL		0.01
23) Decafluorobiphenyl	9.013	334	702420	9.39	ng/uL		0.00
47) 2-Fluorobiphenyl	12.935	172	1707746	8.93	ng/uL		0.00
70) 2,4,6-Tribromophenol	16.363	330	453128	18.97	ng/uL		0.00
78) o-Terphenyl	18.659	230	1274537	9.44	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.283	74	589631	9.17	ng/uL	#	77
3) Pyridine	3.307	79	982056	8.92	ng/uL		86
5) Aniline	7.031	93	574852	5.51	ng/uL	#	86
7) Phenol	6.996	94	1438256	9.83	ng/uL		89
8) Bis(2-chloroethyl)ether	7.183	93	1125549	9.13	ng/uL	#	82
9) 2-Chlorophenol	7.247	128	1170369	10.08	ng/uL	#	40
10) 1,3-Dichlorobenzene	7.527	146	1226498	9.75	ng/uL		98
11) 1,4-Dichlorobenzene	7.684	146	1194824	9.45	ng/uL		97
12) 1,2-Dichlorobenzene	7.981	146	1153211	9.77	ng/uL		96
13) Bis(2-chloroisipropyl)...	8.255	45	1698943	8.67	ng/uL		98
14) Benzyl Alcohol	7.952	108	772912	10.32	ng/uL		83
15) 2-Methylphenol	8.197	108	1043992	10.04	ng/uL		95
16) Acetophenone	8.418	105	156	0.00	ng/uL	#	1
17) Hexachloroethane	8.669	119	436790	9.30	ng/uL		97
18) 4-Methylphenol	8.529	108	1070906	10.33	ng/uL	#	87
19) N-Nitroso-di-n-propyla...	8.523	70	774584	9.87	ng/uL		97
22) Nitrobenzene	8.838	77	1143006	9.81	ng/uL	#	69
24) Isophorone	9.380	82	1691957	7.89	ng/uL		97
25) 2-Chloroaniline	9.462	127	1256655	9.20	ng/uL		98
26) 2-Nitrophenol	9.532	139	585463	10.56	ng/uL	#	82
27) 2,4-Dimethylphenol	9.683	107	1022397	9.51	ng/uL	#	57
28) Bis(2-chlorethoxy)methane	9.916	93	1289134	9.91	ng/uL		97
29) 2,4-Dichlorophenol	10.068	162	848091	10.01	ng/uL		100
30) Benzoic Acid	9.992	105	1312774	16.80	ng/uL		96
31) 1,2,4-Trichlorobenzene	10.248	180	995760	10.31	ng/uL		98
32) Naphthalene	10.412	128	3298712	9.90	ng/uL		99
33) 4-Chloroaniline	10.581	127	418280 ab	~~5.13~~	ng/uL	#	1
34) 2,6-Dichlorophenol	10.587	162	854182	10.15	ng/uL		90
35) Hexachlorobutadiene	10.738	225	524800	9.96	ng/uL		99
36) Caprolactam	11.438	55	1838	0.04	ng/uL	#	73
37) 1,2-Bis(2-chloroethoxy:..	11.601	63	2695	0.02	ng/uL	#	100
38) 4-Chloro-3-methylphenol	11.752	107	861114	9.22	ng/uL		94
39) 2-Methylnaphthalene	12.026	142	2088068	9.84	ng/uL		99
40) 1-Methylnaphthalene	12.248	142	2125000	11.01	ng/uL		98
41) 1,3 Dinitrobenzene	13.973	168	378149	10.96	ng/uL		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-msd1.D
Acq On : 5 Oct 2014 22:40
Operator : JLB
Sample : 1410423-msd1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 06 10:09:50 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.423	216	858528	10.47	ng/uL	98
44) Hexachlorocyclopentadiene	12.417	237	380559	8.36	ng/uL	97
45) 2,4,6-Trichlorophenol	12.714	196	577993	10.90	ng/uL	96
46) 2,4,5-Trichlorophenol	12.772	196	540717	9.74	ng/uL	92
48) 2-Chloronaphthalene	13.157	162	1842260	10.28	ng/uL	98
49) 1,1'-Biphenyl	13.151	154	2257	0.01	ng/uL#	70
50) 2-Nitroaniline	13.443	138	722394	~~11.93~~	ng/uL	96
51) Acenaphthylene	14.130	152	2851261	9.61	ng/uL#	87
52) 2,6-Dinitrotoluene	14.072	165	540932	11.32	ng/uL	92
53) Dimethyl Phthalate	13.973	163	2248221	11.23	ng/uL	98
54) 3-Nitroaniline	14.428	138	321623	~~7.67~~	ng/uL#	1
55) Acenaphthene	14.550	153	1953946	10.00	ng/uL	97
56) 2,4-Dinitrophenol	14.678	184	116550	6.84	ng/uL	94
57) Dibenzofuran	14.970	168	2651073	10.46	ng/uL	97
58) 4-Nitrophenol	14.894	65	464925	12.32	ng/uL	92
59) 2,4-Dinitrotoluene	15.010	165	704117	11.74	ng/uL#	82
60) 2,3,5,6-Tetrachlorophenol	15.180	232	536600	11.76	ng/uL	99
61) 2,3,4,6-Tetrachlorophenol	15.284	232	544919	11.86	ng/uL	97
62) Fluorene	15.791	166	2290003	11.17	ng/uL	96
63) Diethyl Phthalate	15.687	149	2155293	11.43	ng/uL	95
64) 4-Chlorophenyl Phenyl ...	15.861	204	1051841	11.11	ng/uL	96
65) 4-Nitroaniline	15.885	138	444261	~~14.65~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.961	198	312858	8.64	ng/uL	98
68) N-Nitroso-diphenylamine	16.153	169	1866867	10.72	ng/uL	99
69) 1,2-Diphenylhydrazine	16.234	182	675088	10.69	ng/uL#	72
71) 4-Bromophenyl Phenyl E...	17.021	248	579534	10.89	ng/uL	98
72) Hexachlorobenzene	17.080	284	605175	10.40	ng/uL	98
73) Atrazine	17.540	200	70802	1.35	ng/uL#	25
74) Pentachlorophenol	17.540	266	381457	11.18	ng/uL	96
75) Phenanthrene	17.948	178	3156564	10.35	ng/uL	98
76) Anthracene	18.041	178	3091076	10.50	ng/uL	99
77) Carbazole	18.368	167	2839933	11.18	ng/uL	98
79) Di-n-butyl Phthalate	19.044	149	3571725	11.79	ng/uL	99
80) Fluoranthene	19.825	202	3021719	10.38	ng/uL	94
82) Pyrene	20.111	202	3106123	10.78	ng/uL	99
83) Butyl Benzyl Phthalate	20.944	149	1379284	12.13	ng/uL	89
84) Bis(2-ethylhexyl) adipate	21.043	129	1324750	11.81	ng/uL#	100
85) Benzo(a)anthracene	21.527	228	2422931	10.95	ng/uL	98
86) Chrysene	21.568	228	2231973	10.32	ng/uL#	84
87) Bis(2-ethylhexyl)phtha...	21.574	149	2005604	13.77	ng/uL	92
88) Di-n-octyl Phthalate	22.255	149	3185553	12.25	ng/uL	99
90) Benzo(b)fluoroanthene	22.728	252	2045571	12.62	ng/uL	100
91) Benzo(k)fluoranthene	22.763	252	2018788	11.03	ng/uL	95
92) Benzo(a)pyrene	23.141	252	1724603	11.28	ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.849	276	1005658	7.61	ng/uL	91
94) Dibdenz(a,h)anthracene	24.878	278	787135	7.29	ng/uL#	91
95) Benzo(g,h,i)Perylene	25.339	276	764775	6.71	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-msd1.D
Acq On : 5 Oct 2014 22:40
Operator : JLB
Sample : 1410423-msd1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 06 09:28:37 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration

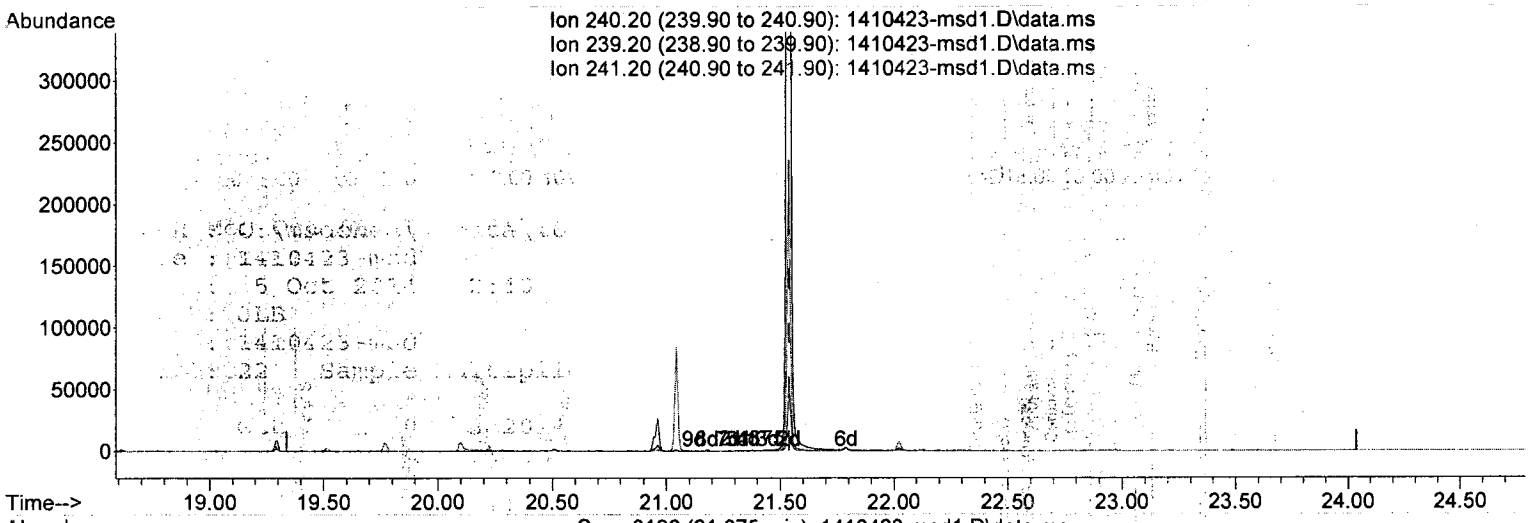
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.649	152	433651	5.00	ng/uL	#	0.03
8) Naphthalene-d8	10.365	136	1668654	5.00	ng/uL		0.01
11) Acenaphthene-d10	14.474	164	925567	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.901	188	1575158	5.00	ng/uL		0.00
19) Chrysene-d12	21.539	240	1216938m	5.00	ng/uL		0.00
22) Perylene-d12	23.211	264	901124	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.283	74	626683	9.12	ng/uL		80
3) Pyridine	3.307	79	1043152	8.62	ng/uL		83
4) Aniline	7.031	93	574852	3.10	ng/uL	#	86
5) Benzaldehyde	6.751	105	587	0.01	ng/uL	#	56
6) Acetophenone	8.418	105	156	0.00	ng/uL	#	1
7) N-Nitroso-di-n-propyla...	8.523	70	768615	9.22	ng/uL		98
9) 4-Chloroaniline	10.581	127	407816m	3.02	ng/uL		
10) Caprolactam	11.344	55	4015	0.17	ng/uL	#	38
12) 1,1'-Biphenyl	13.151	154	2257	0.01	ng/uL	#	70
13) 2-Nitroaniline	13.443	138	722394	11.01	ng/uL		96
14) 3-Nitroaniline	14.428	138	321623	5.79	ng/uL	#	1
15) 4-Nitroaniline	15.885	138	432310	8.90	ng/uL	#	1
17) N-Nitroso-diphenylamine	16.153	169	1867892	10.19	ng/uL		99
18) Atrazine	17.540	200	74266	1.07	ng/uL	#	25
20) Benzidine	20.035	184	597420	3.82	ng/uL	#	94
21) 3,3'-Dichlorobenzidine	21.504	252	625484	8.94	ng/uL		99

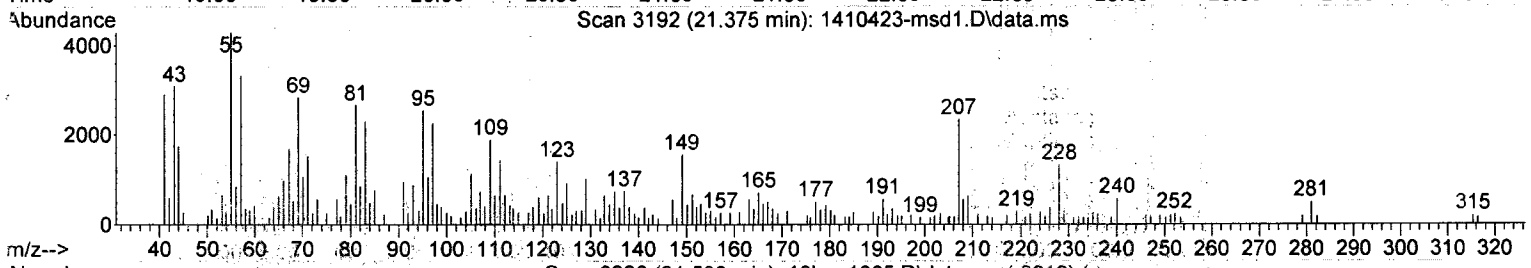
(#) = qualifier out of range (m) = manual integration (+) = signals summed

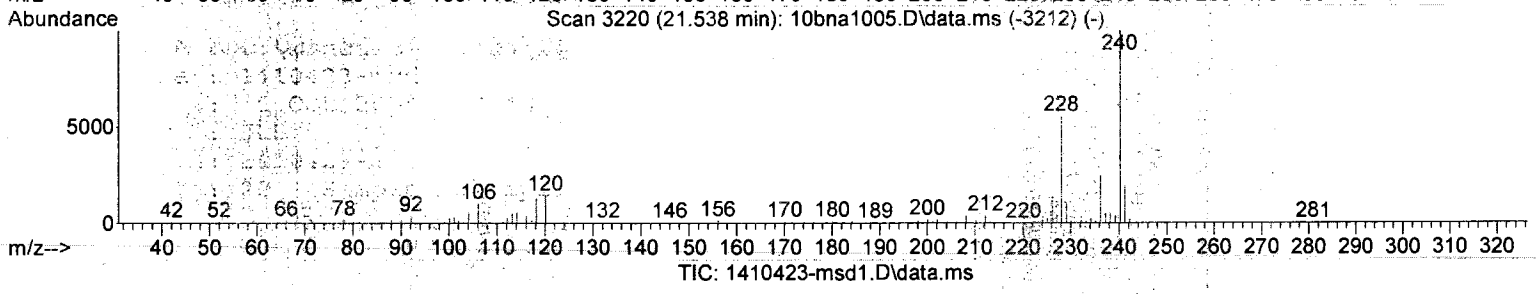
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-msd1.D
Acq On : 5 Oct 2014 22:40
Operator : JLB
Sample : 1410423-msd1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 06 10:08:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1410423-msd1.D\data.ms

(81) Chrysene-d12 (I)

21.375min (-0.163) 5.00 ng/uL

response 1516

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	18.14
241.20	19.50	21.11
0.00	0.00	0.00

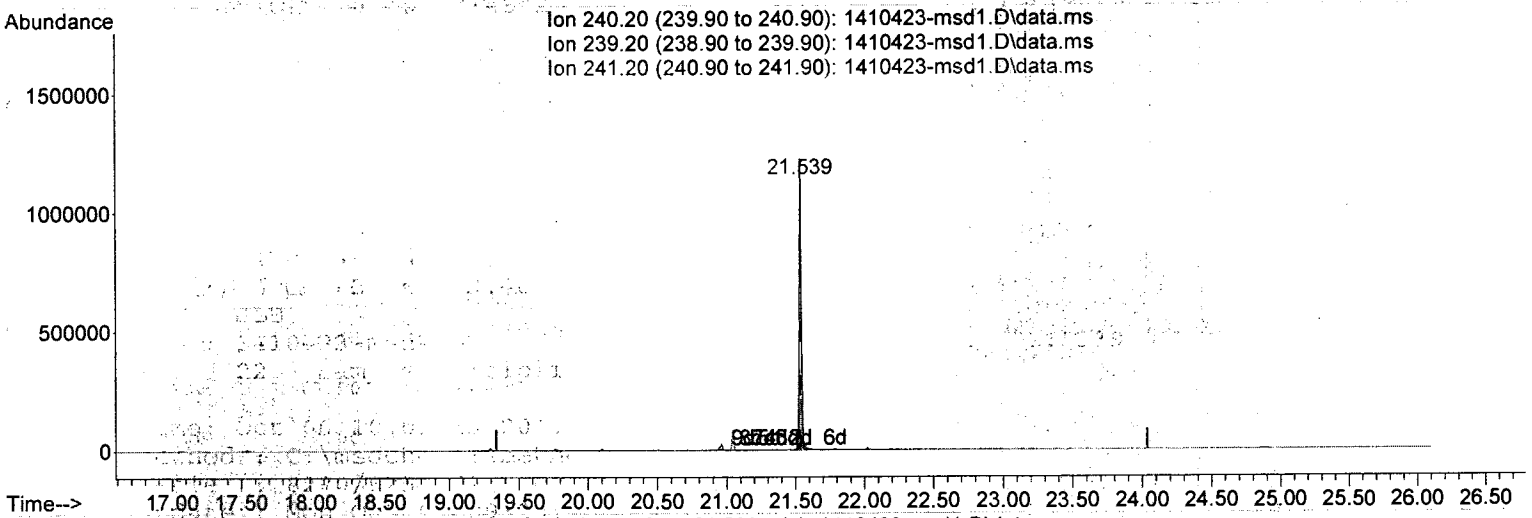
JW 10/7/14

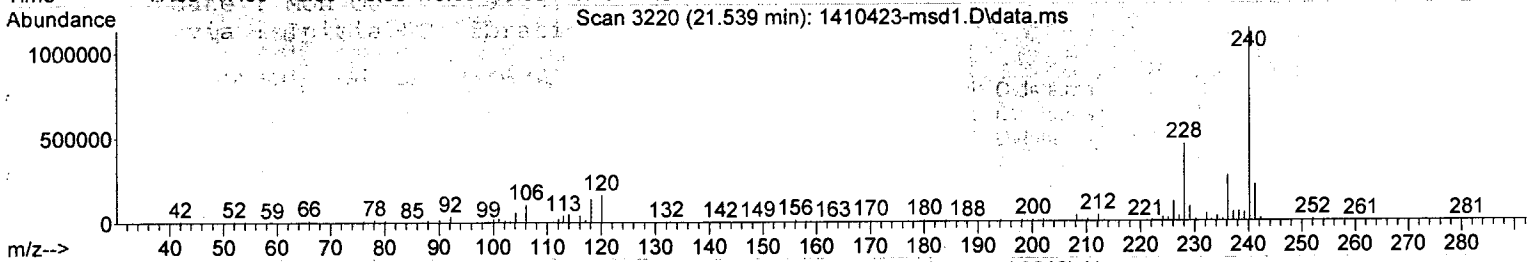
004639

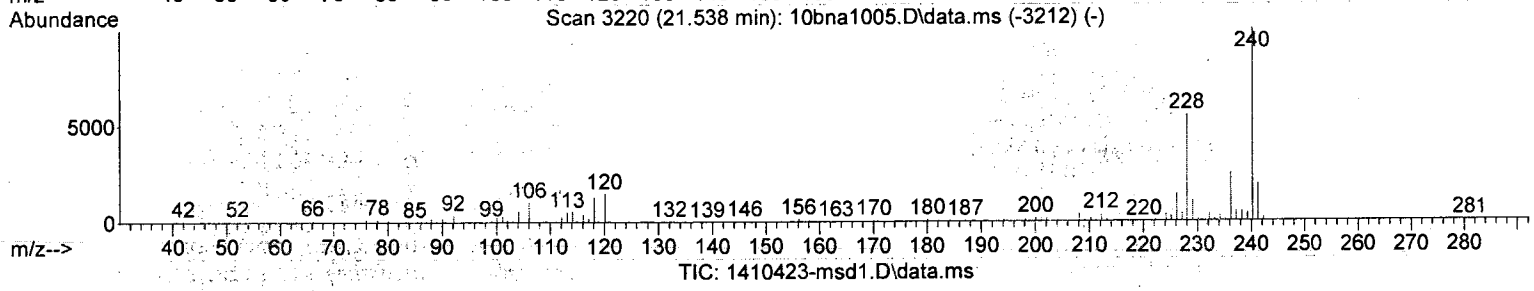
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-msd1.D
Acq On : 5 Oct 2014 22:40
Operator : JLB
Sample : 1410423-msd1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 06 10:08:43 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:29:08 2014
Response via : Initial Calibration







TIC: 1410423-msd1.D\data.ms

(81) Chrysene-d12 (I)

21.539min (+ 0.000) 5.00 ng/uL m

response 1214468

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	0.02#
241.20	19.50	0.03#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/7/14

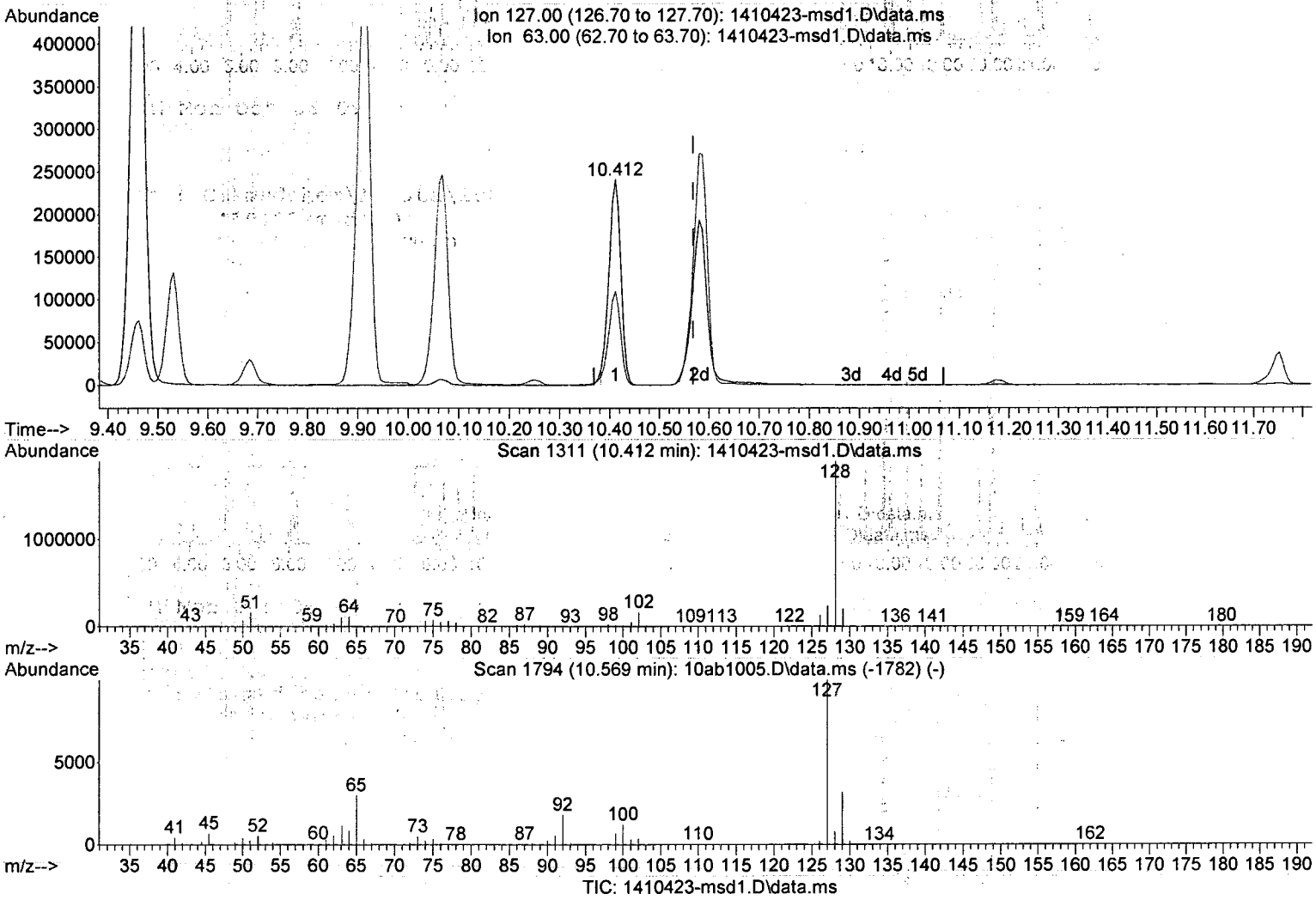
Reviewed By: ASC Date: 10/9/14

004640

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-msd1.D
Acq On : 5 Oct 2014 22:40
Operator : JLB
Sample : 1410423-msd1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 06 09:28:14 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration



TIC: 1410423-msd1.D\data.ms

(9) 4-Chloroaniline

10.412min (-0.157) 2.99 ng/uL

response 403391

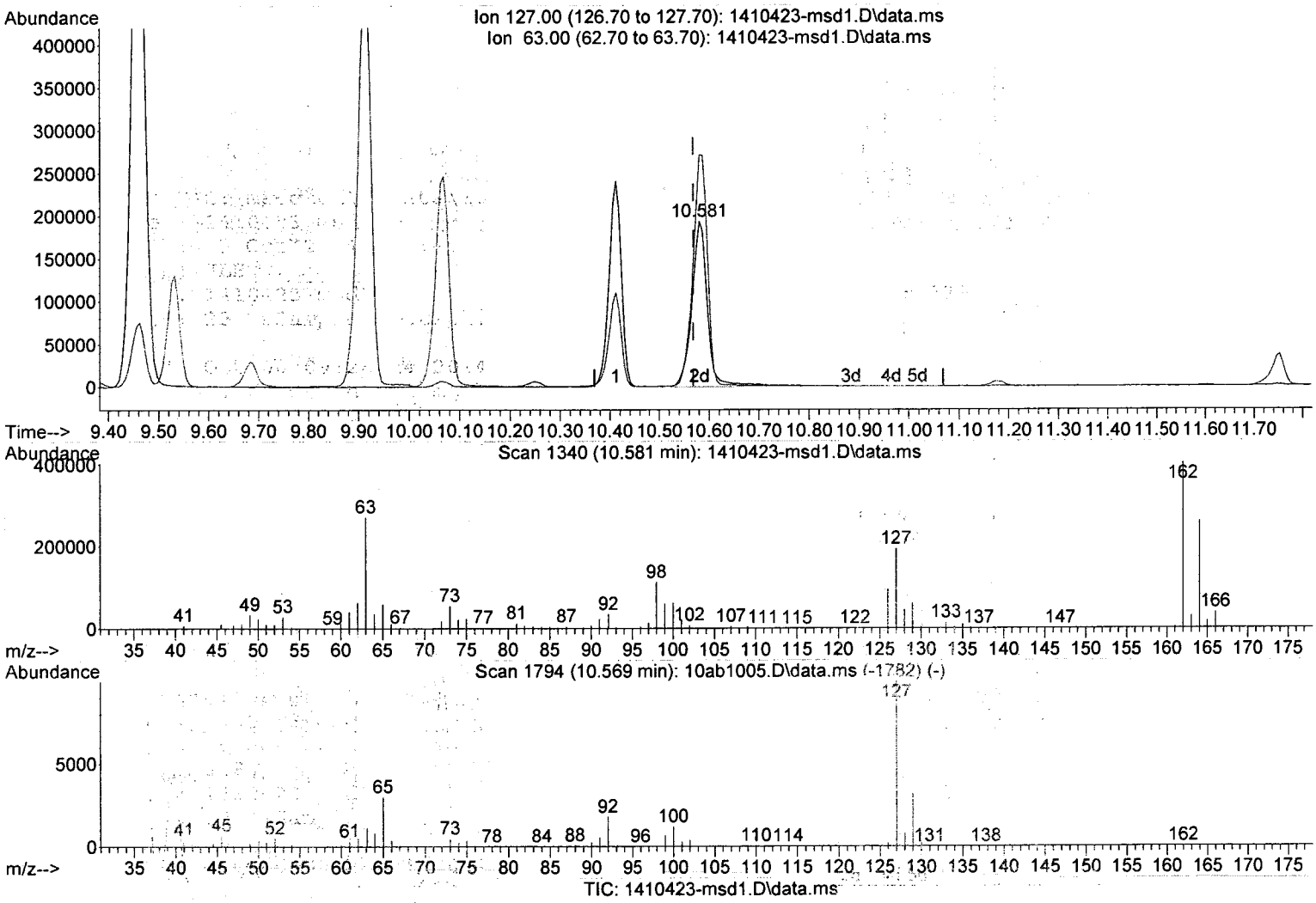
Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	44.93
0.00	0.00	0.00
0.00	0.00	0.00

JLB 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-msd1.D
Acq On : 5 Oct 2014 22:40
Operator : JLB
Sample : 1410423-msd1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 06 09:28:14 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration



TIC: 1410423-msd1.D\data.ms

(9) 4-Chloroaniline

10.581min (+ 0.012) 3.02 ng/uL m

response 407816

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	44.44
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: [illegible] Date: 10/7/14

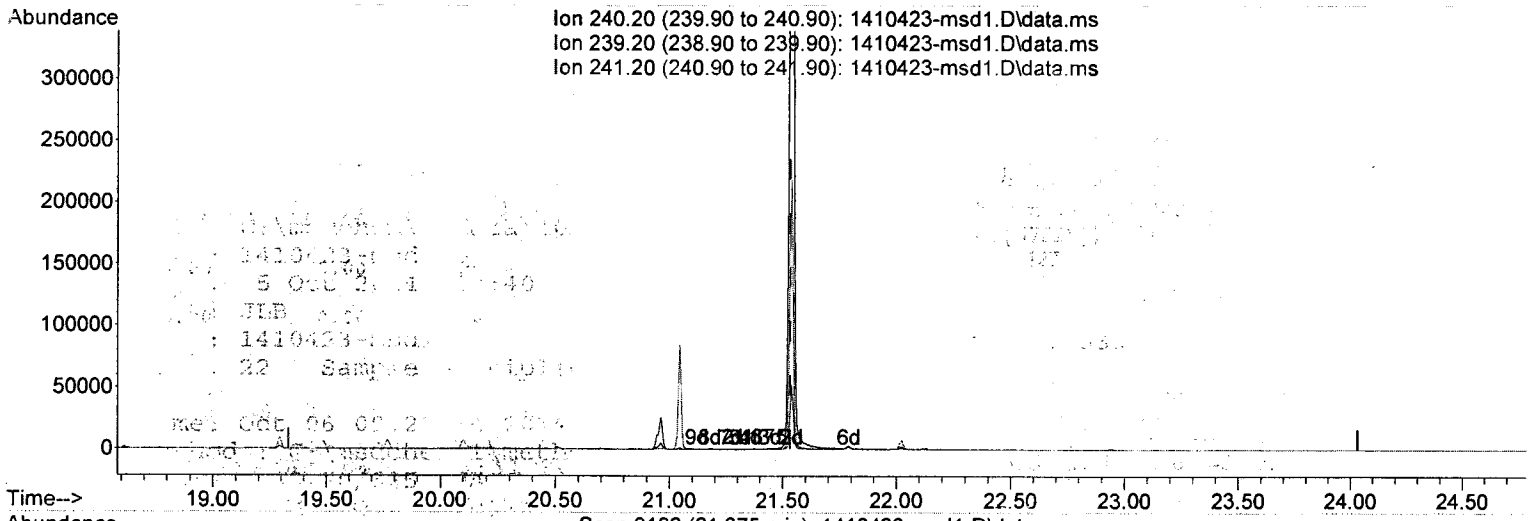
Reviewed By: [illegible] Date: 10/9/14

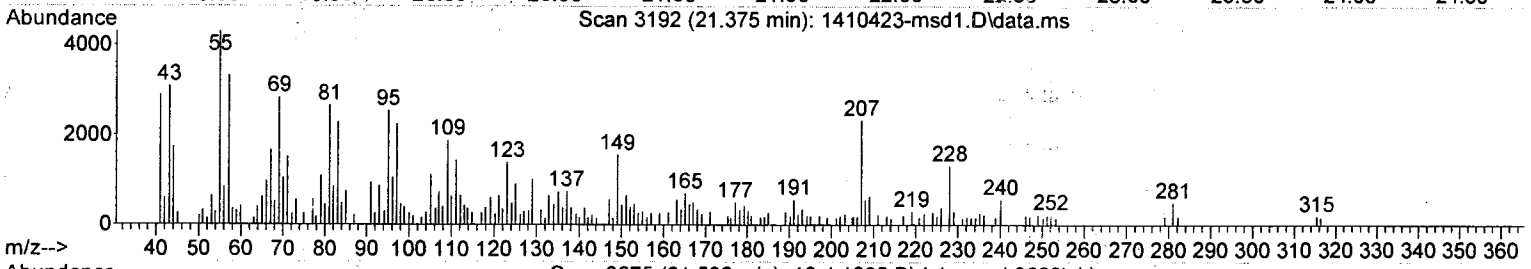
004642

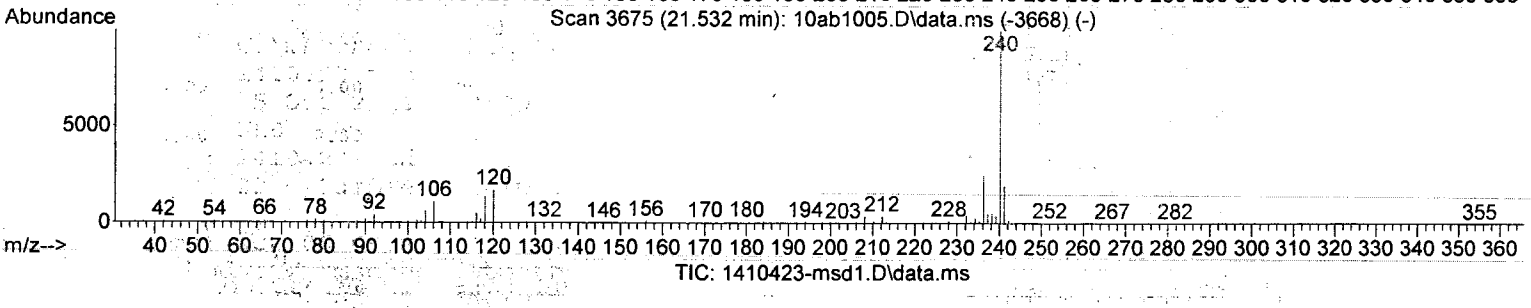
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-msd1.D
Acq On : 5 Oct 2014 22:40
Operator : JLB
Sample : 1410423-msd1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 06 09:28:14 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration







TIC: 1410423-msd1.D\data.ms

(19) Chrysene-d12 (I)

21.375min (-0.157) 5.00 ng/uL

response 1516

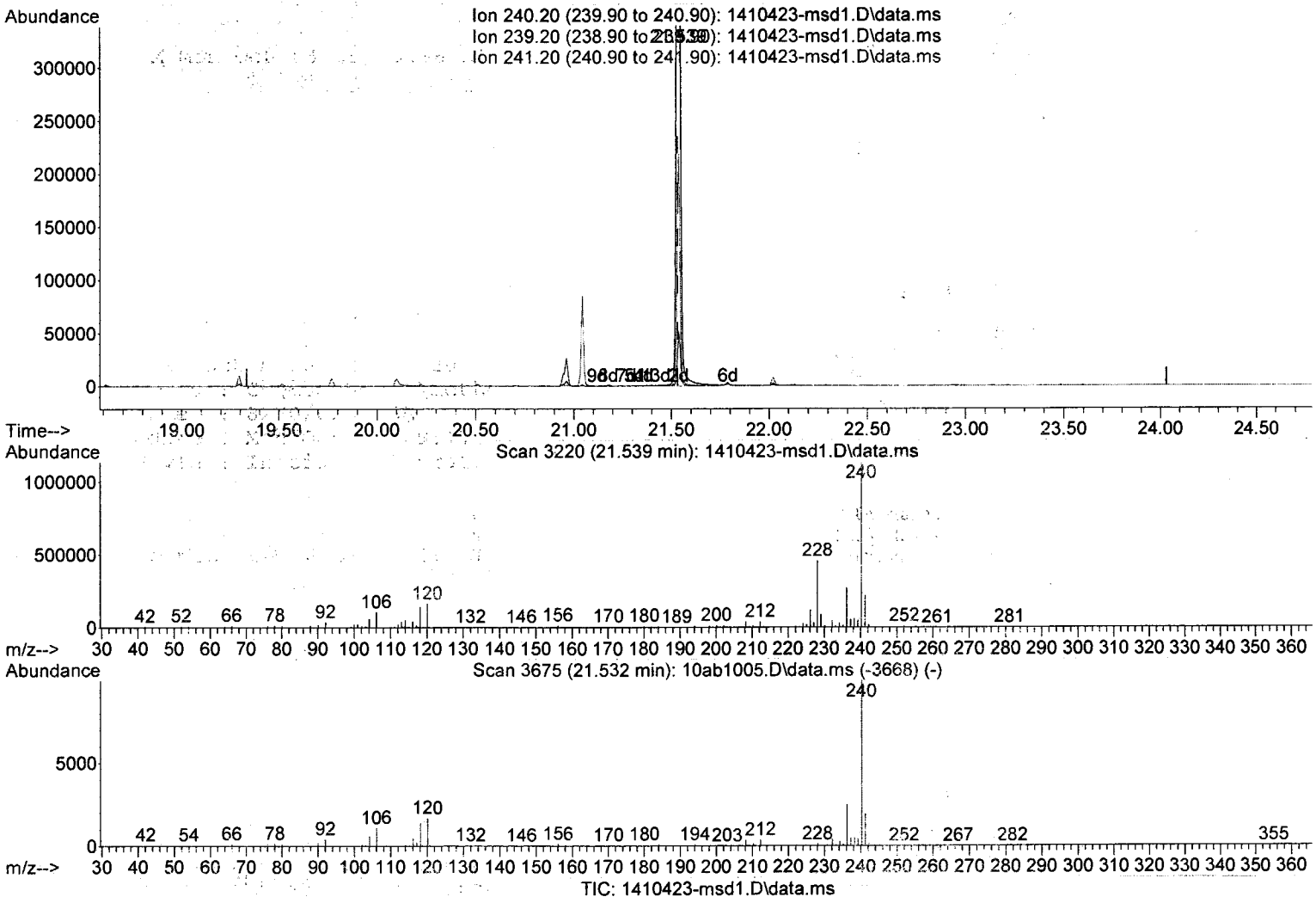
Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	18.14
241.20	19.50	21.11
0.00	0.00	0.00

JWB 10/7/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100514_339\
Data File : 1410423-msd1.D
Acq On : 5 Oct 2014 22:40
Operator : JLB
Sample : 1410423-msd1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 06 09:28:14 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Mon Oct 06 09:17:39 2014
Response via : Initial Calibration



TIC: 1410423-msd1.D\data.ms

(19) Chrysene-d12 (I)

21.539min (+ 0.006) 5.00 ng/uL m

response 1216938

Ion	Exp%	Act%
240.20	100.00	100.00
239.20	19.30	0.02#
241.20	19.50	0.03#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) No

Analyst: JLB Date: 10/11/14

Reviewed By: ASC Date: 10/9/14

004644

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410563

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410563-MS1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.3 grams / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Acenaphthene	353	ND	310	88	40 - 123	ug/kg dry
Acenaphthylene	353	ND	296	84	32 - 132	ug/kg dry
Anthracene	353	ND	320	91	47 - 123	ug/kg dry
Benzo(a)anthracene	353	ND	331	94	49 - 126	ug/kg dry
Benzo(a)pyrene	353	ND	357	101	45 - 129	ug/kg dry
Benzo(b)fluoranthene	353	ND	391	111	45 - 132	ug/kg dry
Benzo(k)fluoranthene	353	ND	348	99	47 - 132	ug/kg dry
Benzo(g,h,i)perylene	353	ND	195	55	43 - 134	ug/kg dry
Benzoic Acid	1770	89.0	995	51	0 - 110	ug/kg dry
Benzyl Alcohol	353	ND	293	83	29 - 122	ug/kg dry
4-Bromophenyl Phenyl Ether	353	ND	319	90	46 - 124	ug/kg dry
Butyl Benzyl Phthalate	353	ND	379	107	48 - 132	ug/kg dry
Carbazole	353	ND	312	88	50 - 123	ug/kg dry
4-Chloro-3-methylphenol	353	ND	282	80	45 - 122	ug/kg dry
4-Chloroaniline	353	ND	120	34	17 - 106	ug/kg dry
Bis(2-chloroethoxy)methane	353	ND	306	87	36 - 121	ug/kg dry
Bis(2-chloroethyl) Ether	353	ND	298	85	31 - 120	ug/kg dry
Bis(2-chloroisopropyl) Ether	353	ND	293	83	33 - 131	ug/kg dry
2-Chloronaphthalene	353	ND	325	92	41 - 114	ug/kg dry
2-Chlorophenol	353	ND	292	83	34 - 121	ug/kg dry
4-Chlorophenyl Phenyl Ether	353	ND	294	83	45 - 121	ug/kg dry
Chrysene	353	ND	325	92	50 - 124	ug/kg dry
Dibenz(a,h)anthracene	353	ND	204	58	45 - 134	ug/kg dry
Dibenzofuran	353	ND	303	86	44 - 120	ug/kg dry
Di-n-butyl Phthalate	353	ND	340	96	51 - 128	ug/kg dry
1,4-Dichlorobenzene	353	ND	285	81	31 - 115	ug/kg dry
1,2-Dichlorobenzene	353	ND	292	83	33 - 117	ug/kg dry
1,3-Dichlorobenzene	353	ND	280	79	30 - 115	ug/kg dry
3,3'-Dichlorobenzidine	706	ND	308	44	22 - 121	ug/kg dry
2,4-Dichlorophenol	353	ND	288	82	40 - 122	ug/kg dry
Diethyl Phthalate	353	ND	320	91	50 - 124	ug/kg dry
2,4-Dimethylphenol	353	ND	295	83	30 - 127	ug/kg dry
Dimethyl Phthalate	353	ND	322	91	48 - 124	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil

QC Batch: 1410563

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410563-MS1
Preparation: 3550C Sonication Extraction
Initial/Final: 29.3 grams / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
4,6-Dinitro-2-methylphenol	353	ND	317	90	29 - 132	ug/kg dry
2,4-Dinitrophenol	353	ND	287	81	15 - 130	ug/kg dry
2,6-Dinitrotoluene	353	ND	314	89	46 - 124	ug/kg dry
2,4-Dinitrotoluene	353	ND	310	88	48 - 126	ug/kg dry
Di-n-octyl Phthalate	353	ND	396	112	45 - 140	ug/kg dry
1,2-Diphenylhydrazine	353	ND	332	94	41 - 125	ug/kg dry
Bis(2-ethylhexyl) Phthalate	353	42.4	437	112	51 - 133	ug/kg dry
Fluoranthene	353	ND	307	87	50 - 127	ug/kg dry
Fluorene	353	ND	305	86	43 - 125	ug/kg dry
Hexachlorobenzene	353	ND	320	91	45 - 122	ug/kg dry
Hexachlorobutadiene	353	ND	298	84	32 - 123	ug/kg dry
Hexachloroethane	353	ND	273	77	28 - 117	ug/kg dry
Indeno(1,2,3-cd)pyrene	353	ND	220	62	45 - 133	ug/kg dry
Isophorone	353	ND	268	76	30 - 122	ug/kg dry
2-Methylnaphthalene	353	ND	299	85	38 - 122	ug/kg dry
3+4-Methylphenol	353	ND	296	84	34 - 119	ug/kg dry
2-Methylphenol	353	ND	285	81	32 - 122	ug/kg dry
Naphthalene	353	ND	305	86	35 - 123	ug/kg dry
4-Nitroaniline	353	ND	230	65	35 - 115	ug/kg dry
2-Nitroaniline	353	ND	292	83	45 - 120	ug/kg dry
3-Nitroaniline	353	ND	194	55	25 - 110	ug/kg dry
Nitrobenzene	353	ND	311	88	34 - 122	ug/kg dry
2-Nitrophenol	353	ND	314	89	36 - 123	ug/kg dry
4-Nitrophenol	353	ND	317	90	30 - 132	ug/kg dry
N-Nitroso-dimethylamine	353	ND	262	74	23 - 120	ug/kg dry
N-Nitroso-diphenylamine	353	ND	330	94	38 - 127	ug/kg dry
N-Nitroso-di-n-propylamine	353	ND	311	88	36 - 120	ug/kg dry
Pentachlorophenol	353	ND	329	93	25 - 133	ug/kg dry
Phenanthrene	353	ND	317	90	50 - 121	ug/kg dry
Phenol	353	12.0	302	82	34 - 121	ug/kg dry
Pyrene	353	ND	341	97	47 - 127	ug/kg dry
1,2,4-Trichlorobenzene	353	ND	299	85	34 - 118	ug/kg dry
2,4,5-Trichlorophenol	353	ND	297	84	41 - 124	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410563

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410563-MS1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.3 grams / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
2,4,6-Trichlorophenol	353	ND	324	92	39 - 126	ug/kg dry

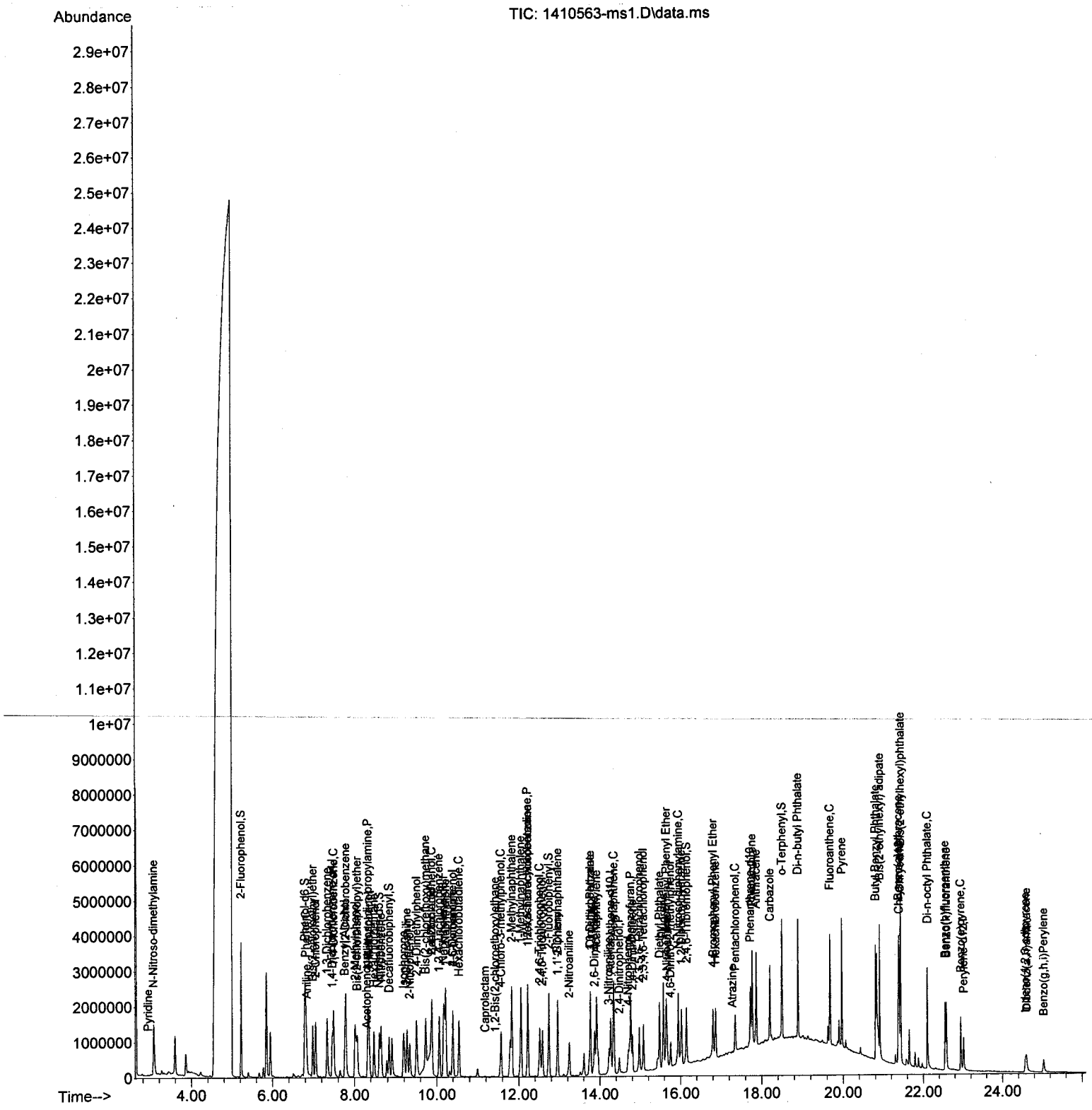
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410563-ms1.D
Acq On : 10 Oct 2014 19:00
Operator : JLB
Sample : 1410563-ms1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 09:02:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410563-ms1.D
Acq On : 10 Oct 2014 19:00
Operator : JLB
Sample : 1410563-ms1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 09:02:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	388177	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.169	136	1400164	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.272	164	747451	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.723	188	1058401	5.00	ng/uL	0.00
81) Chrysene-d12	21.395	240	770570	5.00	ng/uL	# 0.00
89) Perylene-d12	23.015	264	519943	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.226	112	1546099	17.43	ng/uL	0.22
6) Phenol-d6	6.794	99	2141679	18.65	ng/uL	0.05
21) Nitrobenzene-d5	8.607	82	872987	9.75	ng/uL	0.00
23) Decafluorobiphenyl	8.840	334	539986	8.60	ng/uL	0.00
47) 2-Fluorobiphenyl	12.745	172	1539706	9.97	ng/uL	0.00
70) 2,4,6-Tribromophenol	16.155	330	334137	20.81	ng/uL	0.00
78) o-Terphenyl	18.504	230	978704	10.79	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.064	74	425865	7.43	ng/uL	86
3) Pyridine	2.936	79	802	0.01	ng/uL#	72
5) Aniline	6.841	93	602222	6.43	ng/uL#	1
7) Phenol	6.818	94	1116947	8.56	ng/uL	100
8) Bis(2-chloroethyl)ether	6.987	93	927981	8.45	ng/uL#	84
9) 2-Chlorophenol	7.057	128	856604	8.28	ng/uL#	31
10) 1,3-Dichlorobenzene	7.336	146	888284	7.92	ng/uL	96
11) 1,4-Dichlorobenzene	7.494	146	909727	8.07	ng/uL	96
12) 1,2-Dichlorobenzene	7.791	146	871582	8.28	ng/uL	93
13) Bis(2-chloroisipropyl)...	8.071	45	1451873	8.31	ng/uL	95
14) Benzyl Alcohol	7.768	108	554042	8.30	ng/uL	86
15) 2-Methylphenol	8.024	108	747762	8.07	ng/uL	97
16) Acetophenone	8.304	105	2574	0.02	ng/uL#	27
17) Hexachloroethane	8.479	119	323809	7.74	ng/uL	97
18) 4-Methylphenol	8.356	108	774450	8.38	ng/uL	89
19) N-Nitroso-di-n-propyla...	8.333	70	616303	8.81	ng/uL	94
22) Nitrobenzene	8.648	77	862728	8.82	ng/uL#	57
24) Isophorone	9.190	82	1366424	7.59	ng/uL	99
25) 2-Chloroaniline	9.271	127	935170	8.16	ng/uL	99
26) 2-Nitrophenol	9.341	139	414032m	8.90	ng/uL	
27) 2,4-Dimethylphenol	9.510	107	752974	8.35	ng/uL#	51
28) Bis(2-chlorethoxy)methane	9.732	93	945099	8.66	ng/uL	94
29) 2,4-Dichlorophenol	9.883	162	580920	8.17	ng/uL	99
30) Benzoic Acid	9.883	105	1974460	28.18	ng/uL	96
31) 1,2,4-Trichlorobenzene	10.058	180	686805	8.48	ng/uL	99
32) Naphthalene	10.222	128	2413118	8.63	ng/uL	100
33) 4-Chloroaniline	10.396	127	387492	~~5.66~~	ng/uL#	11
34) 2,6-Dichlorophenol	10.396	162	606056	8.58	ng/uL	95
35) Hexachlorobutadiene	10.548	225	372980	8.44	ng/uL	99
36) Caprolactam	11.177	55	7460	0.19	ng/uL#	41
37) 1,2-Bis(2-chloroethoxy...	11.428	63	2032	0.02	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.568	107	625756	7.99	ng/uL	92
39) 2-Methylnaphthalene	11.830	142	1510545	8.48	ng/uL	99
40) 1-Methylnaphthalene	12.052	142	1489043	9.19	ng/uL	99
41) 1,3 Dinitrobenzene	13.777	168	221896	7.63	ng/uL	100

ab

004649

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410563-ms1.D
Acq On : 10 Oct 2014 19:00
Operator : JLB
Sample : 1410563-ms1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 09:02:59 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.227	216	608697	9.19	ng/uL	99
44) Hexachlorocyclopentadiene	12.221	237	286206	7.79	ng/uL	98
45) 2,4,6-Trichlorophenol	12.518	196	392756m	9.17	ng/uL	
46) 2,4,5-Trichlorophenol	12.582	196	376599m	8.40	ng/uL	
48) 2-Chloronaphthalene	12.961	162	1330481	9.19	ng/uL	100
49) 1,1'-Biphenyl	12.949	154	1696	0.01	ng/uL#	69
50) 2-Nitroaniline	13.247	138	434770	ab ~~8.89~~	ng/uL	99
51) Acenaphthylene	13.929	152	2009287	8.39	ng/uL	93
52) 2,6-Dinitrotoluene	13.876	165	343095	8.89	ng/uL	97
53) Dimethyl Phthalate	13.771	163	1475318	9.13	ng/uL	99
54) 3-Nitroaniline	14.226	138	244172	ab ~~7.21~~	ng/uL#	1
55) Acenaphthene	14.348	153	1382942	8.77	ng/uL	98
56) 2,4-Dinitrophenol	14.482	184	124659	8.14	ng/uL#	1
57) Dibenzofuran	14.768	168	1759086	8.59	ng/uL	98
58) 4-Nitrophenol	14.704	65	274058	8.99	ng/uL	94
59) 2,4-Dinitrotoluene	14.809	165	424943	8.77	ng/uL#	82
60) 2,3,5,6-Tetrachlorophenol	14.978	232	329334	8.94	ng/uL	97
61) 2,3,4,6-Tetrachlorophenol	15.083	232	319647	8.61	ng/uL	95
62) Fluorene	15.578	166	1432697	8.65	ng/uL#	95
63) Diethyl Phthalate	15.485	149	1381324	9.07	ng/uL	97
64) 4-Chlorophenyl Phenyl ...	15.654	204	637001	8.33	ng/uL	89
65) 4-Nitroaniline	15.671	138	278472	ab ~~11.37~~	ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.759	198	219558	8.98	ng/uL#	65
68) N-Nitroso-diphenylamine	15.951	169	1094362	9.35	ng/uL	99
69) 1,2-Diphenylhydrazine	16.027	182	398844	9.40	ng/uL	82
71) 4-Bromophenyl Phenyl E...	16.814	248	322690	9.02	ng/uL	98
72) Hexachlorobenzene	16.872	284	354642	9.07	ng/uL	96
73) Atrazine	17.280	200	455	0.01	ng/uL#	1
74) Pentachlorophenol	17.356	266	213457	9.31	ng/uL	96
75) Phenanthrene	17.770	178	1839242	8.97	ng/uL	99
76) Anthracene	17.869	178	1793902	9.07	ng/uL	100
77) Carbazole	18.207	167	1507406	8.84	ng/uL	99
79) Di-n-butyl Phthalate	18.895	149	1958524	9.62	ng/uL	100
80) Fluoroanthene	19.676	202	1696956	8.68	ng/uL	94
82) Pyrene	19.967	202	1764696	9.65	ng/uL	100
83) Butyl Benzyl Phthalate	20.806	149	775169	10.74	ng/uL	93
84) Bis(2-ethylhexyl) adipate	20.911	129	699587	9.84	ng/uL#	100
85) Benzo(a)anthracene	21.383	228	1314928	9.36	ng/uL	98
86) Chrysene	21.424	228	1262356	9.20	ng/uL#	86
87) Bis(2-ethylhexyl)phtha...	21.436	149	1143965	12.38	ng/uL	93
88) Di-n-octyl Phthalate	22.100	149	1846189	11.22	ng/uL	98
90) Benzo(b)fluoroanthene	22.549	252	1044394	11.06	ng/uL	97
91) Benzo(k)fluoranthene	22.584	252	1052381	9.86	ng/uL	100
92) Benzo(a)pyrene	22.945	252	900538	10.11	ng/uL	100
93) Indeno(1,2,3-cd)pyrene	24.572	276	481229	6.24	ng/uL	90
94) Dibdenz(a,h)anthracene	24.601	278	363752	5.78	ng/uL#	88
95) Benzo(g,h,i)Perylene	25.032	276	366283	5.51	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410563-ms1.D
Acq On : 10 Oct 2014 19:00
Operator : JLB
Sample : 1410563-ms1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:49:03 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration

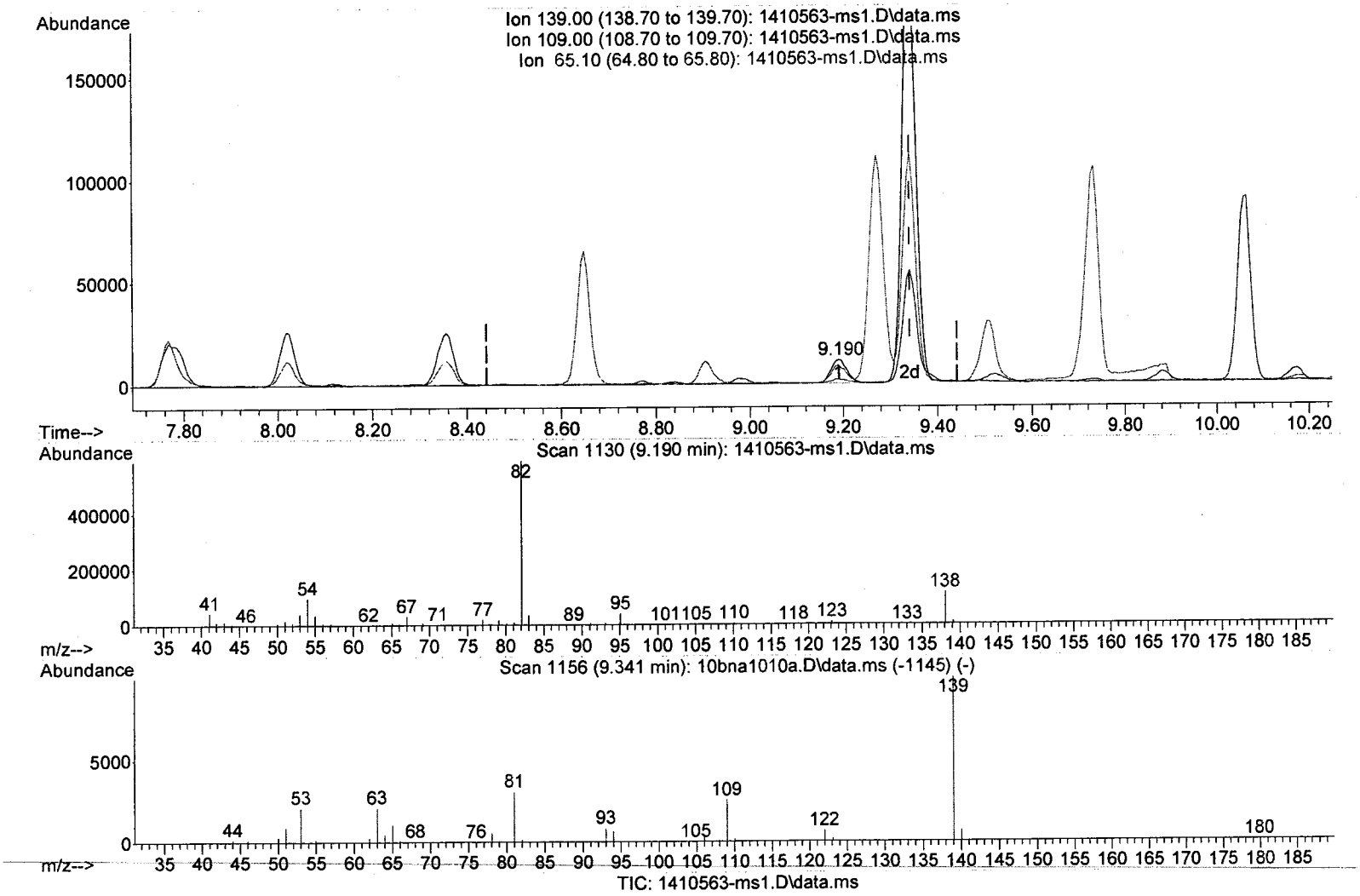
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.459	152	380240	5.00	ng/uL		0.03
8) Naphthalene-d8	10.169	136	1400164	5.00	ng/uL		0.00
11) Acenaphthene-d10	14.272	164	741939	5.00	ng/uL		0.00
16) Phenanthrene-d10	17.723	188	1057076	5.00	ng/uL		0.00
19) Chrysene-d12	21.395	240	770570	5.00	ng/uL	#	0.00
22) Perylene-d12	23.015	264	519943	5.00	ng/uL	#	0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	2.912	74	1444	0.02	ng/uL		99
3) Pyridine	2.936	79	802	0.01	ng/uL	#	72
4) Aniline	6.841	93	602222	3.70	ng/uL	#	1
5) Benzaldehyde	6.567	105	4122	0.05	ng/uL	#	75
6) Acetophenone	8.304	105	2574	0.02	ng/uL	#	27
7) N-Nitroso-di-n-propyla...	8.333	70	616303	8.43	ng/uL		94
9) 4-Chloroaniline	10.396	127	385178m	3.40	ng/uL		
10) Caprolactam	11.177	55	2717	0.16	ng/uL	#	58
12) 1,1'-Biphenyl	12.949	154	1696	0.01	ng/uL	#	69
13) 2-Nitroaniline	13.247	138	434770	8.27	ng/uL		99
14) 3-Nitroaniline	14.226	138	244172	5.48	ng/uL	#	1
15) 4-Nitroaniline	15.671	138	253334	6.50	ng/uL	#	1
17) N-Nitroso-diphenylamine	15.951	169	1096338	8.91	ng/uL		99
18) Atrazine	17.280	200	622	Below Cal		#	1
20) Benzidine	19.891	184	423812	4.23	ng/uL	#	83
21) 3,3'-Dichlorobenzidine	21.372	252	385818	8.71	ng/uL		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410563-ms1.D
Acq On : 10 Oct 2014 19:00
Operator : JLB
Sample : 1410563-ms1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 09:02:04 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(26) 2-Nitrophenol (C)

9.190min (-0.152) 0.59 ng/uL

response 27234

Ion	Exp%	Act%
139.00	100.00	100.00
109.00	27.60	22.10
65.10	65.60	71.21
0.00	0.00	0.00

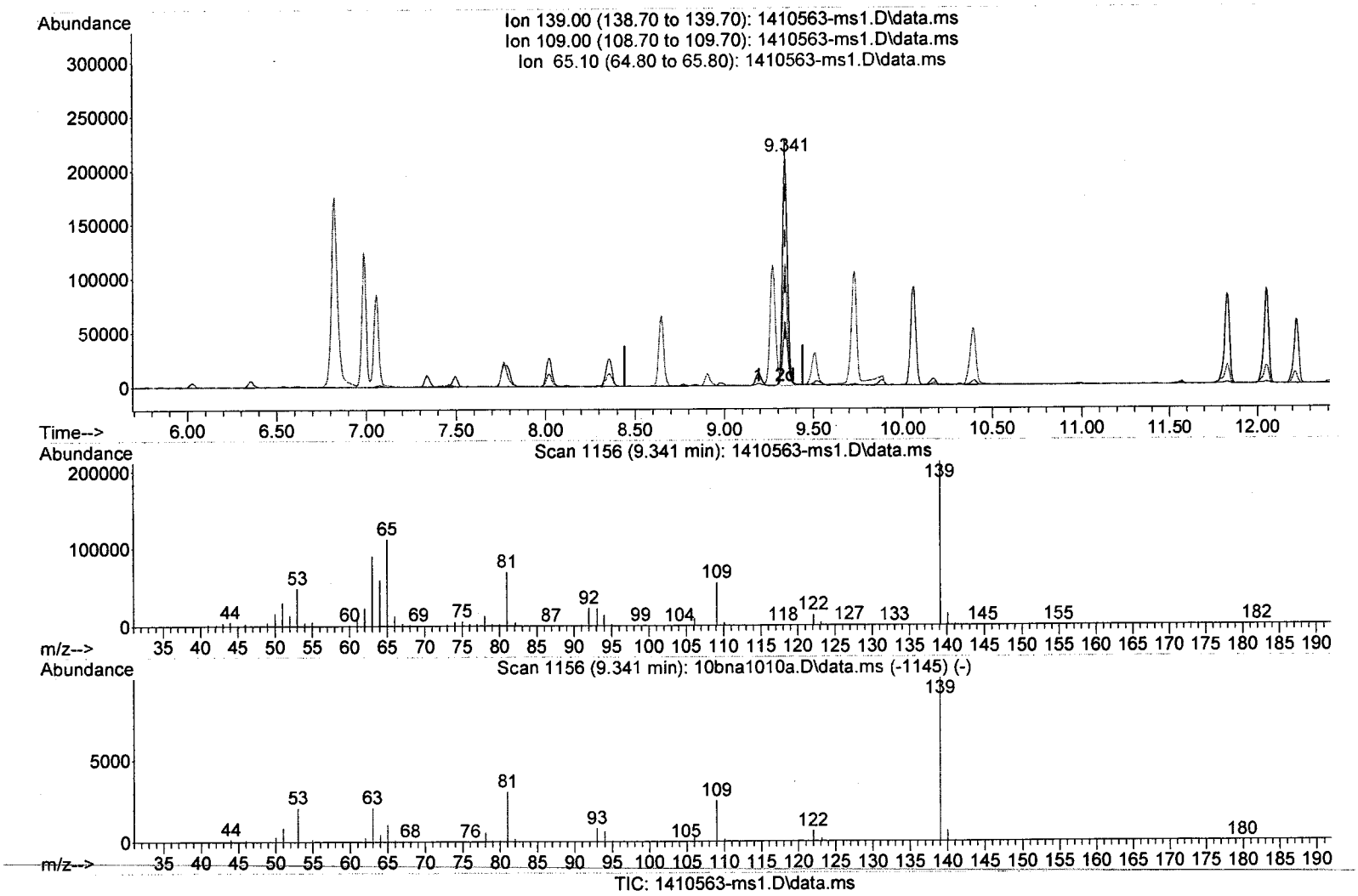
DWS 10-17-14

JLB 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410563-ms1.D
Acq On : 10 Oct 2014 19:00
Operator : JLB
Sample : 1410563-ms1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 09:02:04 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(26) 2-Nitrophenol (C)

9.341min (-0.000) 8.90 ng/uL m

response 414032

Ion	Exp%	Act%
139.00	100.00	100.00
109.00	27.60	1.45#
65.10	65.60	4.68#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

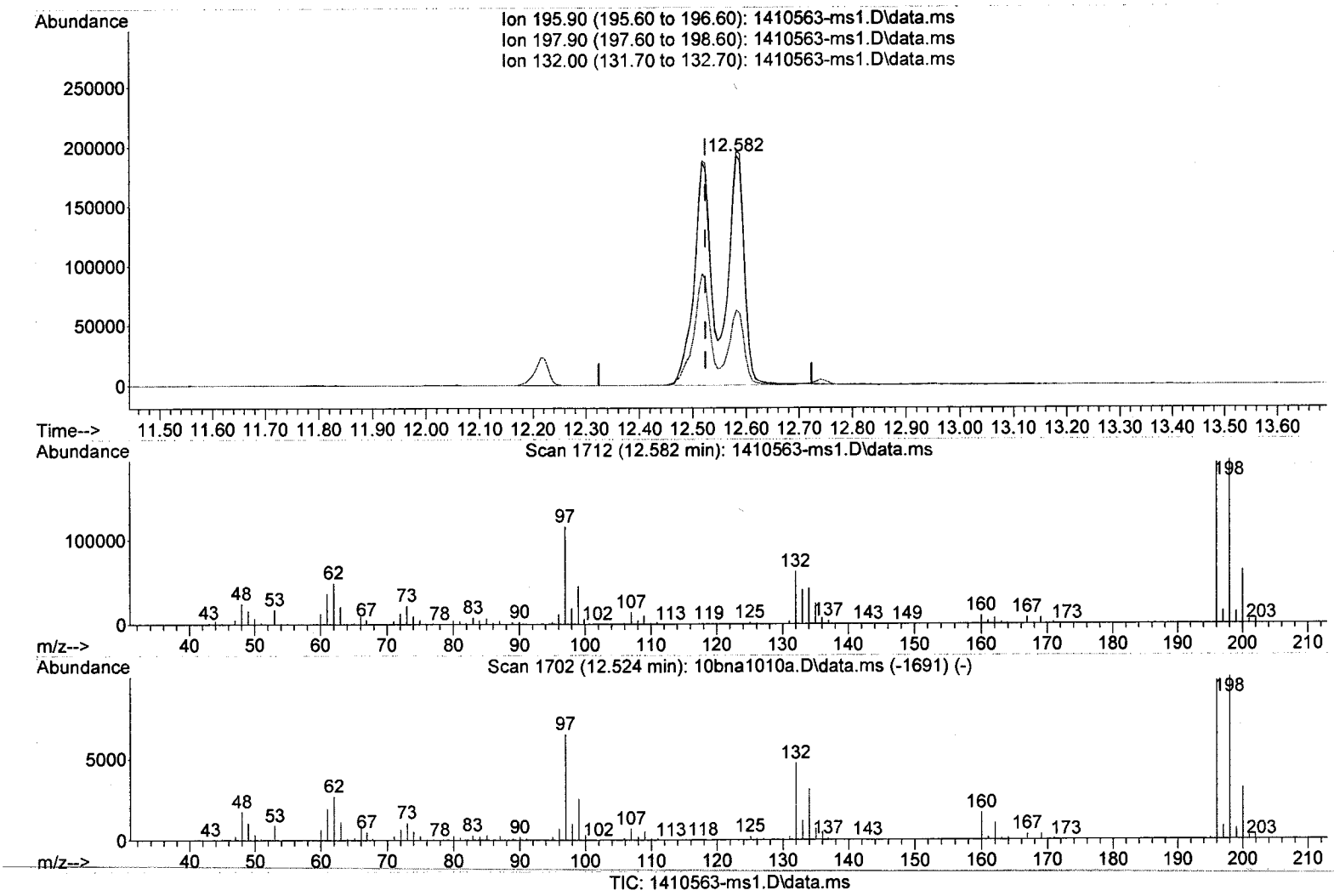
Analyst: JLB Date: 10/15/14

Reviewed By: DWS Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410563-ms1.D
Acq On : 10 Oct 2014 19:00
Operator : JLB
Sample : 1410563-ms1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 09:02:04 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(45) 2,4,6-Trichlorophenol (C)

12.582min (+ 0.058) 18.00 ng/uL

response 771010

Ion	Exp%	Act%
195.90	100.00	100.00
197.90	98.50	102.53
132.00	45.10	41.41
0.00	0.00	0.00

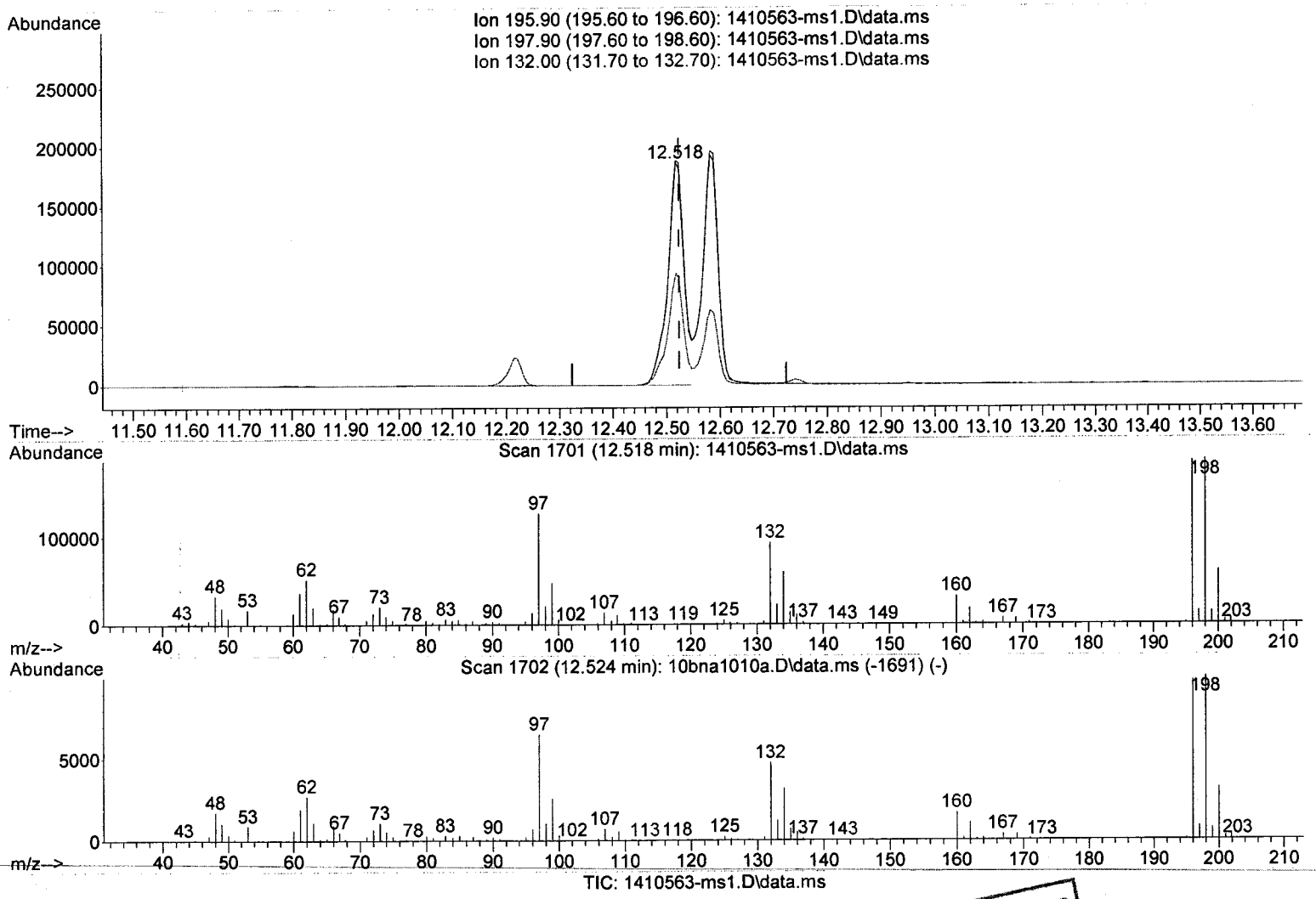
DWS 10-17-14

JMS 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410563-ms1.D
Acq On : 10 Oct 2014 19:00
Operator : JLB
Sample : 1410563-ms1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 09:02:04 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(45) 2,4,6-Trichlorophenol (C)

12.518min (-0.006) 9.17 ng/uL m

response 392756

Ion	Exp%	Act%
195.90	100.00	100.00
197.90	98.50	201.27#
132.00	45.10	81.29#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

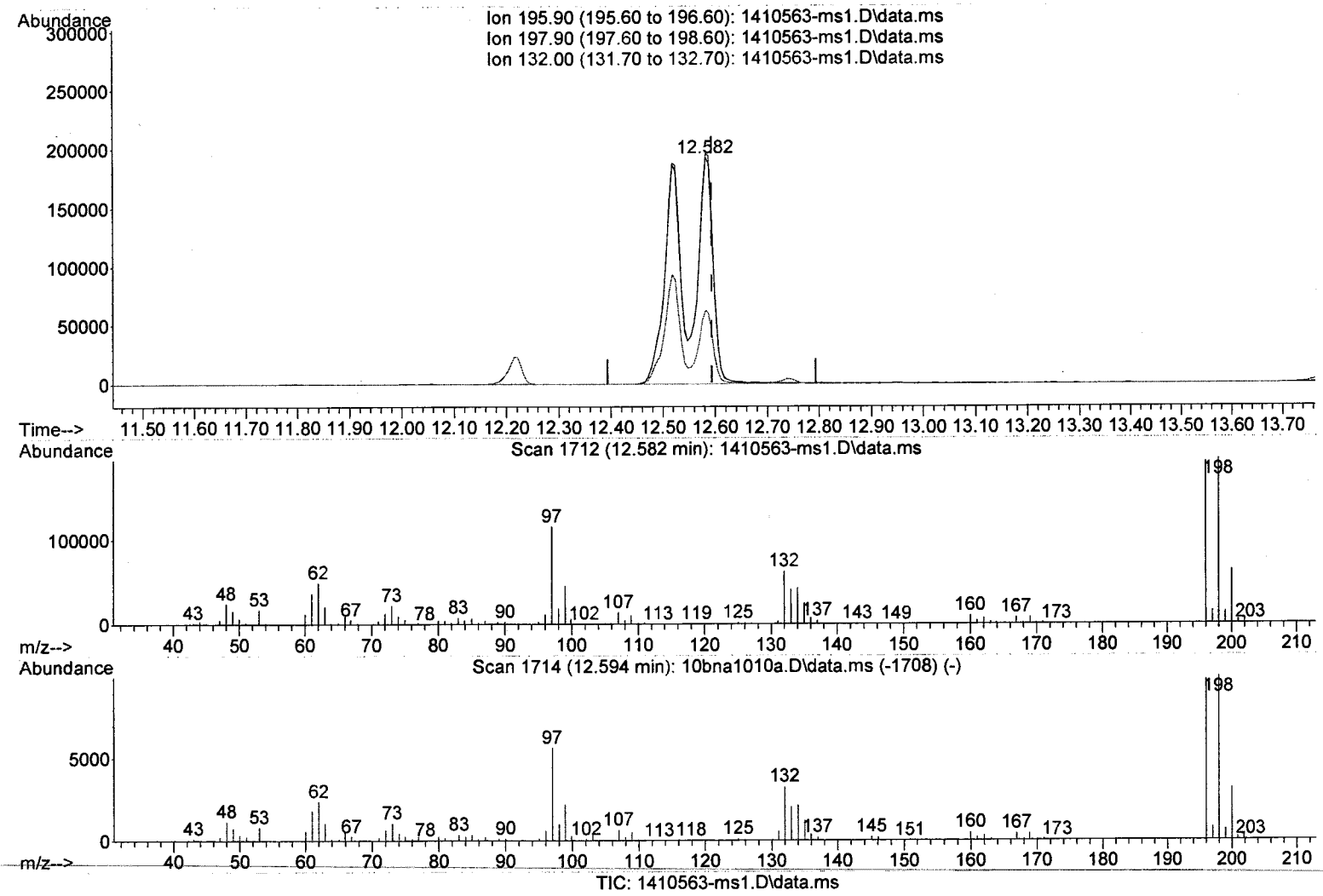
Analyst: JLB Date: 10/15/14

Reviewed By: DWO Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410563-ms1.D
Acq On : 10 Oct 2014 19:00
Operator : JLB
Sample : 1410563-ms1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 09:02:04 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(46) 2,4,5-Trichlorophenol

12.582min (-0.012) 17.25 ng/uL

response 773170

Ion	Exp%	Act%
195.90	100.00	100.00
197.90	97.20	102.54
132.00	29.20	42.38#
0.00	0.00	0.00

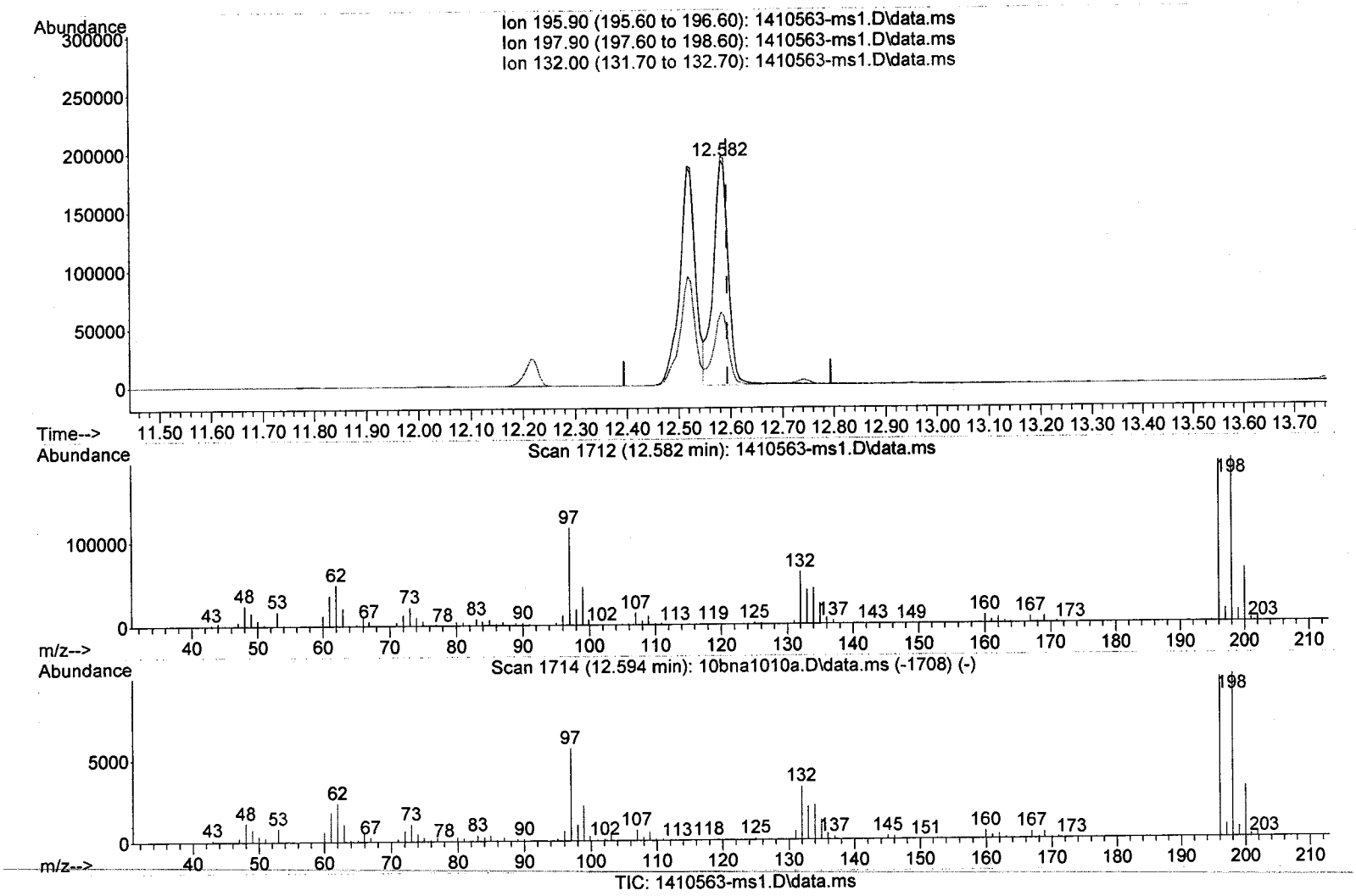
DWS 10-17-14

LWS 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410563-ms1.D
Acq On : 10 Oct 2014 19:00
Operator : JLB
Sample : 1410563-ms1
Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 09:02:04 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:56:04 2014
Response via : Initial Calibration



(46) 2,4,5-Trichlorophenol

12.582min (-0.012) 8.40 ng/uL m

response 376599

Ion	Exp%	Act%
195.90	100.00	100.00
197.90	97.20	210.52#
132.00	29.20	87.02#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JLB Date: 10/15/14

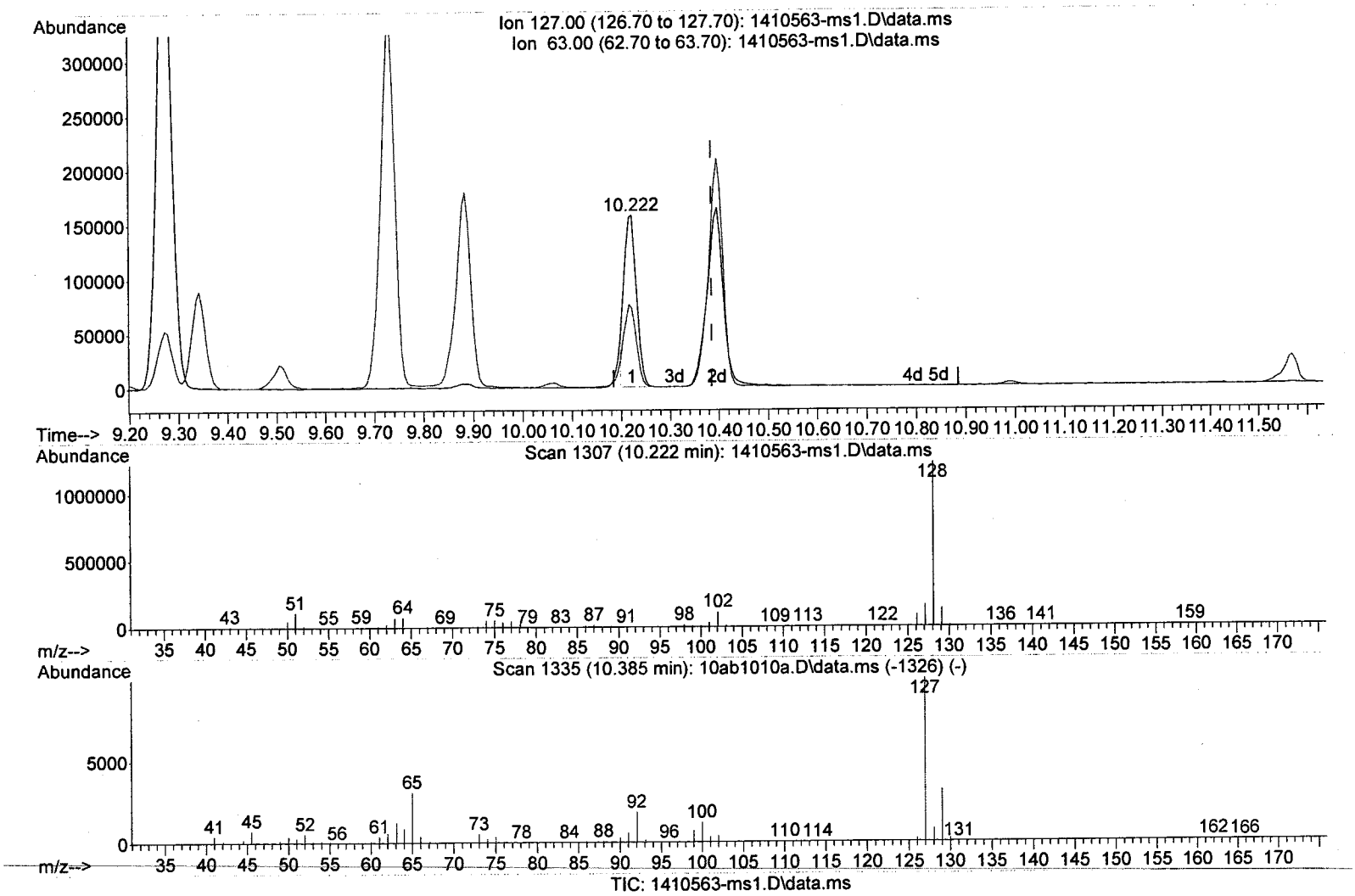
Reviewed By: DWT Date: 10-17-14

004657

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410563-ms1.D
Acq On : 10 Oct 2014 19:00
Operator : JLB
Sample : 1410563-ms1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:48:45 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration



(9) 4-Chloroaniline

10.222min (-0.163) 2.40 ng/uL

response 272080

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	47.39
0.00	0.00	0.00
0.00	0.00	0.00

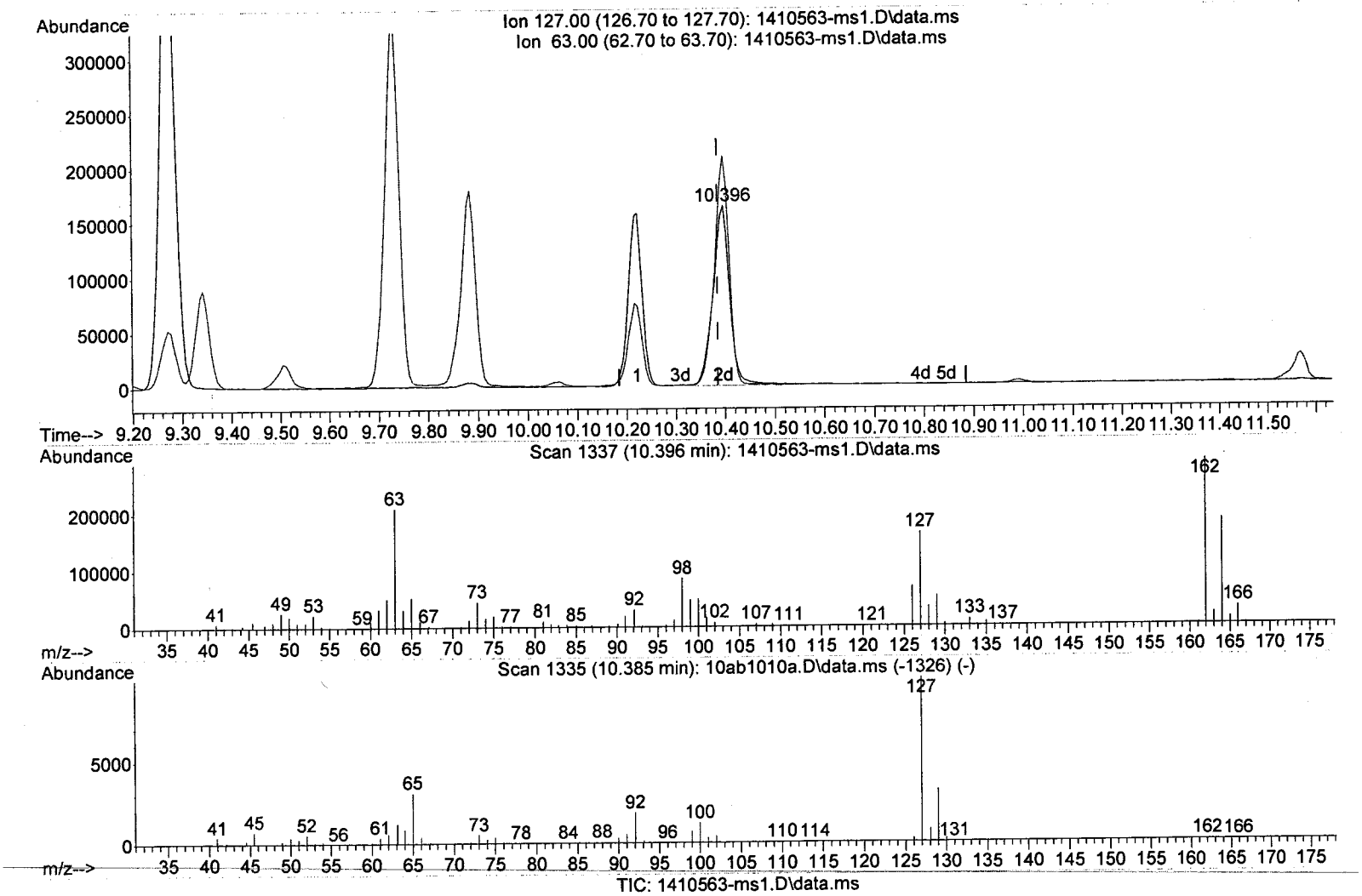
DWT 10-17-14

JLB 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101014a_339\
Data File : 1410563-ms1.D
Acq On : 10 Oct 2014 19:00
Operator : JLB
Sample : 1410563-ms1 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:48:45 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:46:22 2014
Response via : Initial Calibration



(9) 4-Chloroaniline

10.396min (+ 0.012) 3.40 ng/uL m

response 385178

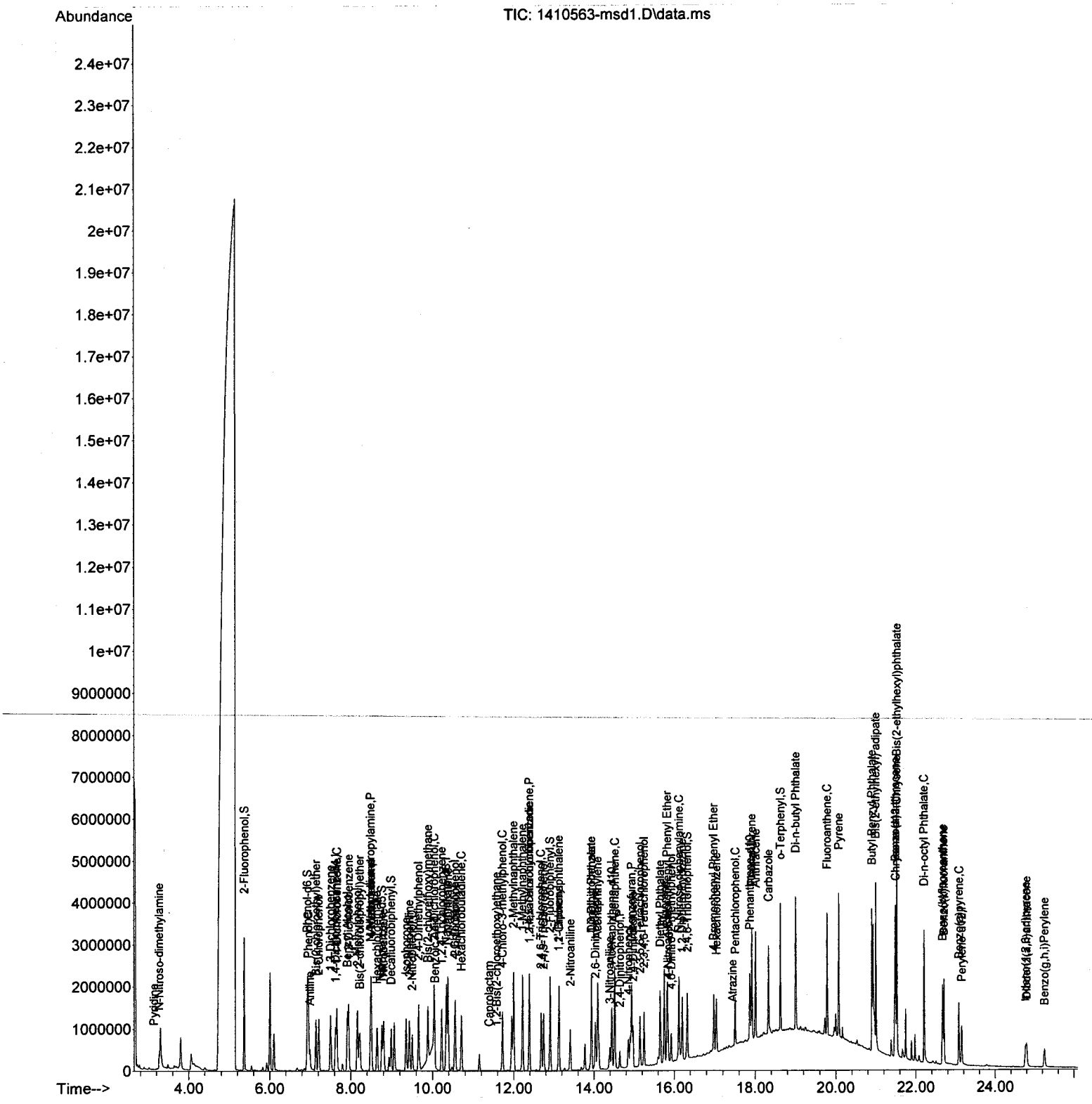
Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	33.48#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: JLB Date: 10/15/14
Reviewed By: DWS Date: 10-17-14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 1410563-msd1.D
Acq On : 14 Oct 2014 9:37
Operator : JLB
Sample : 1410563-msd1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:31:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:29:24 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 1410563-msd1.D
Acq On : 14 Oct 2014 9:37
Operator : JLB
Sample : 1410563-msd1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:31:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:29:24 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.620	152	296115	5.00	ng/uL	# 0.03
20) Naphthalene-d8	10.336	136	1117211	5.00	ng/uL	0.00
42) Acenaphthene-d10	14.446	164	618921	5.00	ng/uL	0.00
66) Phenanthrene-d10	17.867	188	928445	5.00	ng/uL	0.00
81) Chrysene-d12	21.492	240	763408	5.00	ng/uL	# 0.00
89) Perylene-d12	23.154	264	504181	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.370	112	1263150	18.67	ng/uL	0.20
6) Phenol-d6	6.932	99	1703710	19.45	ng/uL	0.04
21) Nitrobenzene-d5	8.763	82	685713	9.60	ng/uL	0.00
23) Decafluorobiphenyl	8.990	334	440380	8.79	ng/uL	0.00
47) 2-Fluorobiphenyl	12.907	172	1271675	9.94	ng/uL	-0.01
70) 2,4,6-Tribromophenol	16.328	330	303391	21.54	ng/uL	0.00
78) o-Terphenyl	18.631	230	836395	10.51	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.266	74	390018m	8.92	ng/uL	
3) Pyridine	3.132	79	199	0.00	ng/uL#	11
5) Aniline	6.991	93	403062	5.67	ng/uL#	9
7) Phenol	6.956	94	881014	8.85	ng/uL	96
8) Bis(2-chloroethyl)ether	7.142	93	683002	8.15	ng/uL#	80
9) 2-Chlorophenol	7.206	128	669065	8.47	ng/uL#	34
10) 1,3-Dichlorobenzene	7.498	146	656257	7.67	ng/uL	95
11) 1,4-Dichlorobenzene	7.655	146	662223	7.70	ng/uL	93
12) 1,2-Dichlorobenzene	7.952	146	655305	8.16	ng/uL	94
13) Bis(2-chloroisipropyl)...	8.226	45	1039793	7.80	ng/uL	97
14) Benzyl Alcohol	7.918	108	445657	8.75	ng/uL	88
15) 2-Methylphenol	8.168	108	597426	8.45	ng/uL	96
16) Acetophenone	8.495	105	8945	0.08	ng/uL#	1
17) Hexachloroethane	8.640	119	243169	7.62	ng/uL	97
18) 4-Methylphenol	8.500	108	643034	9.12	ng/uL	89
19) N-Nitroso-di-n-propyla...	8.489	70	469190	8.79	ng/uL	99
22) Nitrobenzene	8.803	77	670478	8.59	ng/uL#	56
24) Isophorone	9.351	82	1082281	7.54	ng/uL	98
25) 2-Chloroaniline	9.433	127	690504	7.55	ng/uL	99
26) 2-Nitrophenol	9.503	139	328614	8.86	ng/uL#	87
27) 2,4-Dimethylphenol	9.660	107	628307	8.73	ng/uL#	49
28) Bis(2-chlorethoxy)methane	9.888	93	753078	8.65	ng/uL	96
29) 2,4-Dichlorophenol	10.039	162	496444	8.75	ng/uL	98
30) Benzoic Acid	10.057	105	1819128	32.15	ng/uL	96
31) 1,2,4-Trichlorobenzene	10.226	180	527401	8.16	ng/uL	97
32) Naphthalene	10.383	128	1903014	8.53	ng/uL	100
33) 4-Chloroaniline	10.552	127	241310	dlg ~~4.42~~	ng/uL#	1
34) 2,6-Dichlorophenol	10.558	162	501017	8.89	ng/uL	95
35) Hexachlorobutadiene	10.709	225	283382	8.03	ng/uL	99
36) Caprolactam	11.391	55	14039	0.44	ng/uL#	30
37) 1,2-Bis(2-chloroethoxy...	11.578	63	1484	0.02	ng/uL#	100
38) 4-Chloro-3-methylphenol	11.724	107	559623	8.95	ng/uL	92
39) 2-Methylnaphthalene	11.998	142	1218071	8.57	ng/uL	99
40) 1-Methylnaphthalene	12.219	142	1191947	9.22	ng/uL	98
41) 1,3 Dinitrobenzene	13.938	168	180197	7.77	ng/uL	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 1410563-msd1.D
Acq On : 14 Oct 2014 9:37
Operator : JLB
Sample : 1410563-msd1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:31:16 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:29:24 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) 1,2,4,5-Tetrachloroben...	12.394	216	476300	8.69 ng/uL	98
44) Hexachlorocyclopentadiene	12.388	237	234123	7.69 ng/uL	98
45) 2,4,6-Trichlorophenol	12.680	196	330905	9.33 ng/uL	94
46) 2,4,5-Trichlorophenol	12.744	196	335410	9.04 ng/uL	94
48) 2-Chloronaphthalene	13.128	162	1094647	9.14 ng/uL	99
49) 1,1'-Biphenyl	13.122	154	1885	0.01 ng/uL#	74
50) 2-Nitroaniline	13.414	138	365105	~~9.02~~ ng/uL	98
51) Acenaphthylene	14.096	152	1642355	8.28 ng/uL#	87
52) 2,6-Dinitrotoluene	14.038	165	279146	8.73 ng/uL	97
53) Dimethyl Phthalate	13.938	163	1173904	8.77 ng/uL	100
54) 3-Nitroaniline	14.393	138	158808	~~5.66~~ ng/uL#	1
55) Acenaphthene	14.521	153	1135979	8.70 ng/uL	98
56) 2,4-Dinitrophenol	14.644	184	95666	7.75 ng/uL#	1
57) Dibenzofuran	14.941	168	1462975	8.63 ng/uL	100
58) 4-Nitrophenol	14.859	65	261098	10.34 ng/uL	89
59) 2,4-Dinitrotoluene	14.976	165	346761	8.65 ng/uL#	79
60) 2,3,5,6-Tetrachlorophenol	15.151	232	272669	8.94 ng/uL	97
61) 2,3,4,6-Tetrachlorophenol	15.250	232	272025	8.85 ng/uL	95
62) Fluorene	15.757	166	1165726	8.50 ng/uL	98
63) Diethyl Phthalate	15.652	149	1117123	8.86 ng/uL	96
64) 4-Chlorophenyl Phenyl ...	15.827	204	535194	8.46 ng/uL	90
65) 4-Nitroaniline	15.844	138	233778	~~11.53~~ ng/uL#	1
67) 4,6-Dinitro-2-methylph...	15.926	198	185257	8.67 ng/uL#	1
68) N-Nitroso-diphenylamine	16.118	169	942294	9.18 ng/uL	98
69) 1,2-Diphenylhydrazine	16.200	182	334540	8.99 ng/uL	81
71) 4-Bromophenyl Phenyl E...	16.981	248	287195	9.16 ng/uL	100
72) Hexachlorobenzene	17.045	284	301087	8.78 ng/uL	97
73) Atrazine	17.442	200	1097	0.04 ng/uL#	52
74) Pentachlorophenol	17.506	266	200432	9.97 ng/uL	98
75) Phenanthrene	17.914	178	1579058	8.78 ng/uL	99
76) Anthracene	18.013	178	1577406	9.09 ng/uL	100
77) Carbazole	18.333	167	1389069	9.28 ng/uL	99
79) Di-n-butyl Phthalate	19.009	149	1724367	9.65 ng/uL	99
80) Fluoroanthene	19.785	202	1558437	9.09 ng/uL	94
82) Pyrene	20.076	202	1622316	8.96 ng/uL	99
83) Butyl Benzyl Phthalate	20.904	149	774321	10.83 ng/uL	92
84) Bis(2-ethylhexyl) adipate	21.003	129	699200	9.93 ng/uL#	100
85) Benzo(a)anthracene	21.487	228	1282053	9.21 ng/uL	98
86) Chrysene	21.522	228	1209323	8.90 ng/uL#	84
87) Bis(2-ethylhexyl)phtha...	21.527	149	1144953	12.51 ng/uL	93
88) Di-n-octyl Phthalate	22.203	149	1894233	11.61 ng/uL	99
90) Benzo(b)fluoroanthene	22.670	252	1012155	11.05 ng/uL	98
91) Benzo(k)fluoranthene	22.705	252	1031597	9.97 ng/uL	99
92) Benzo(a)pyrene	23.084	252	857331	9.93 ng/uL	99
93) Indeno(1,2,3-cd)pyrene	24.768	276	500512	6.70 ng/uL#	89
94) Dibdenz(a,h)anthracene	24.797	278	389429	6.38 ng/uL#	89
95) Benzo(g,h,i)Perylene	25.252	276	383903	5.96 ng/uL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 1410563-msd1.D
Acq On : 14 Oct 2014 9:37
Operator : JLB Inst : 339
Sample : 1410563-msd1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:30:41 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:26:18 2014
Response via : Initial Calibration

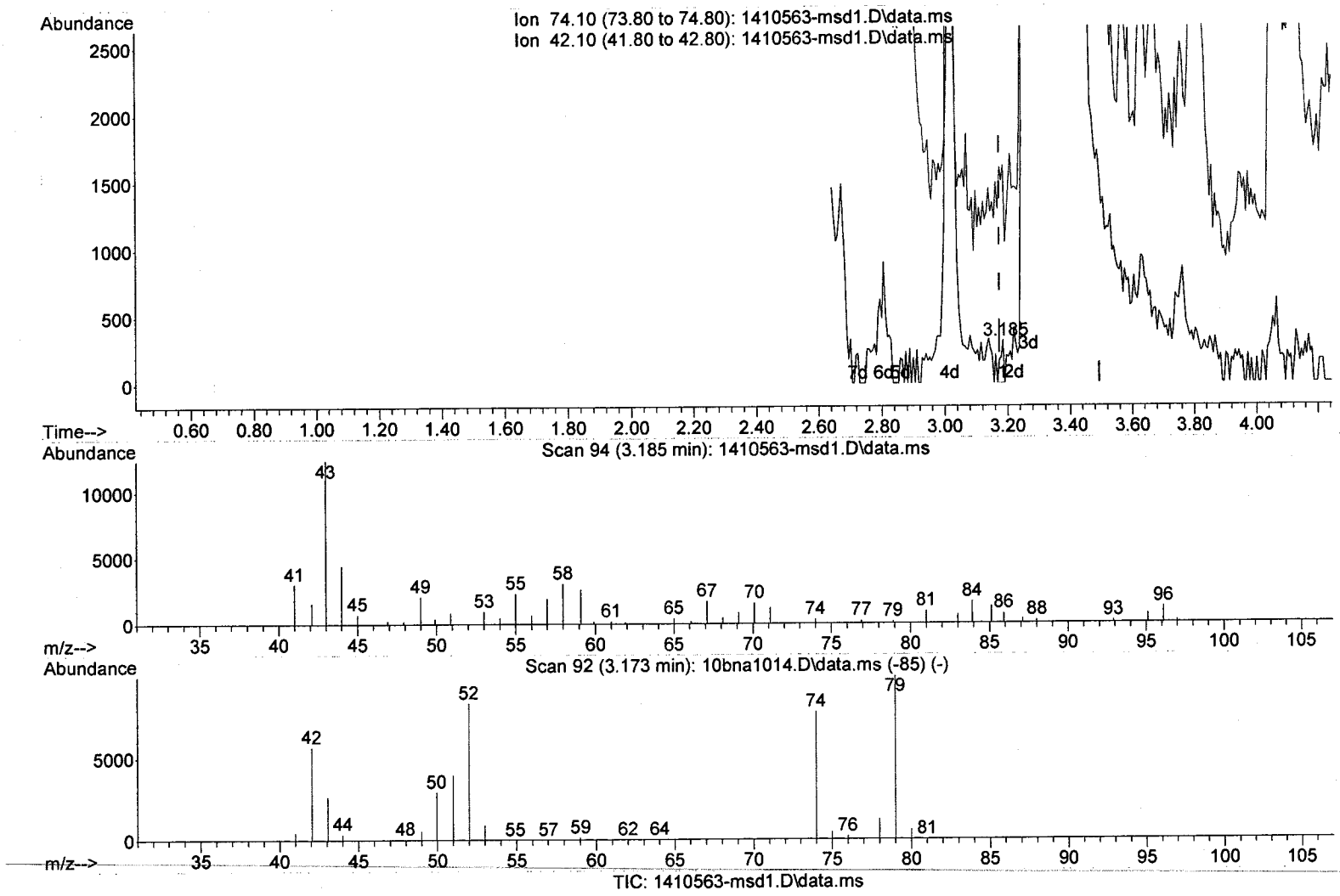
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.620	152	294879	5.00	ng/uL	# 0.03
8) Naphthalene-d8	10.336	136	1117211	5.00	ng/uL	0.00
11) Acenaphthene-d10	14.446	164	619129	5.00	ng/uL	0.00
16) Phenanthrene-d10	17.867	188	929514	5.00	ng/uL	0.00
19) Chrysene-d12	21.492	240	763408	5.00	ng/uL	# 0.00
22) Perylene-d12	23.154	264	504181	5.00	ng/uL	# 0.00
						Qvalue
Target Compounds						
2) N-Nitroso-dimethylamine	3.220	74	590	0.01	ng/uL	97
3) Pyridine	2.841	79	421	0.01	ng/uL	88
4) Aniline	6.991	93	403062	3.20	ng/uL#	9
5) Benzaldehyde	6.740	105	3536	0.05	ng/uL#	76
6) Acetophenone	8.495	105	8945	0.08	ng/uL#	1
7) N-Nitroso-di-n-propyla...	8.489	70	469744	8.28	ng/uL	99
9) 4-Chloroaniline	10.552	127	236202m	2.61	ng/uL	
10) Caprolactam	11.391	55	3989	0.21	ng/uL#	53
12) 1,1'-Biphenyl	13.122	154	1885	0.01	ng/uL#	74
13) 2-Nitroaniline	13.414	138	365105	8.32	ng/uL	98
14) 3-Nitroaniline	14.393	138	158808	4.26	ng/uL#	1
15) 4-Nitroaniline	15.844	138	229783	7.07	ng/uL#	1
17) N-Nitroso-diphenylamine	16.118	169	942915	8.71	ng/uL	98
18) Atrazine	17.348	200	1021	Below Cal		85
20) Benzidine	20.000	184	304819	3.19	ng/uL#	83
21) 3,3'-Dichlorobenzidine	21.463	252	258047	5.88	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 1410563-msd1.D
Acq On : 14 Oct 2014 9:37
Operator : JLB
Sample : 1410563-msd1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:31:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:29:24 2014
Response via : Initial Calibration



(2) N-Nitroso-dimethylamine

3.185min (+ 0.012) 0.01 ng/uL

response 233

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	342.06#
0.00	0.00	0.00
0.00	0.00	0.00

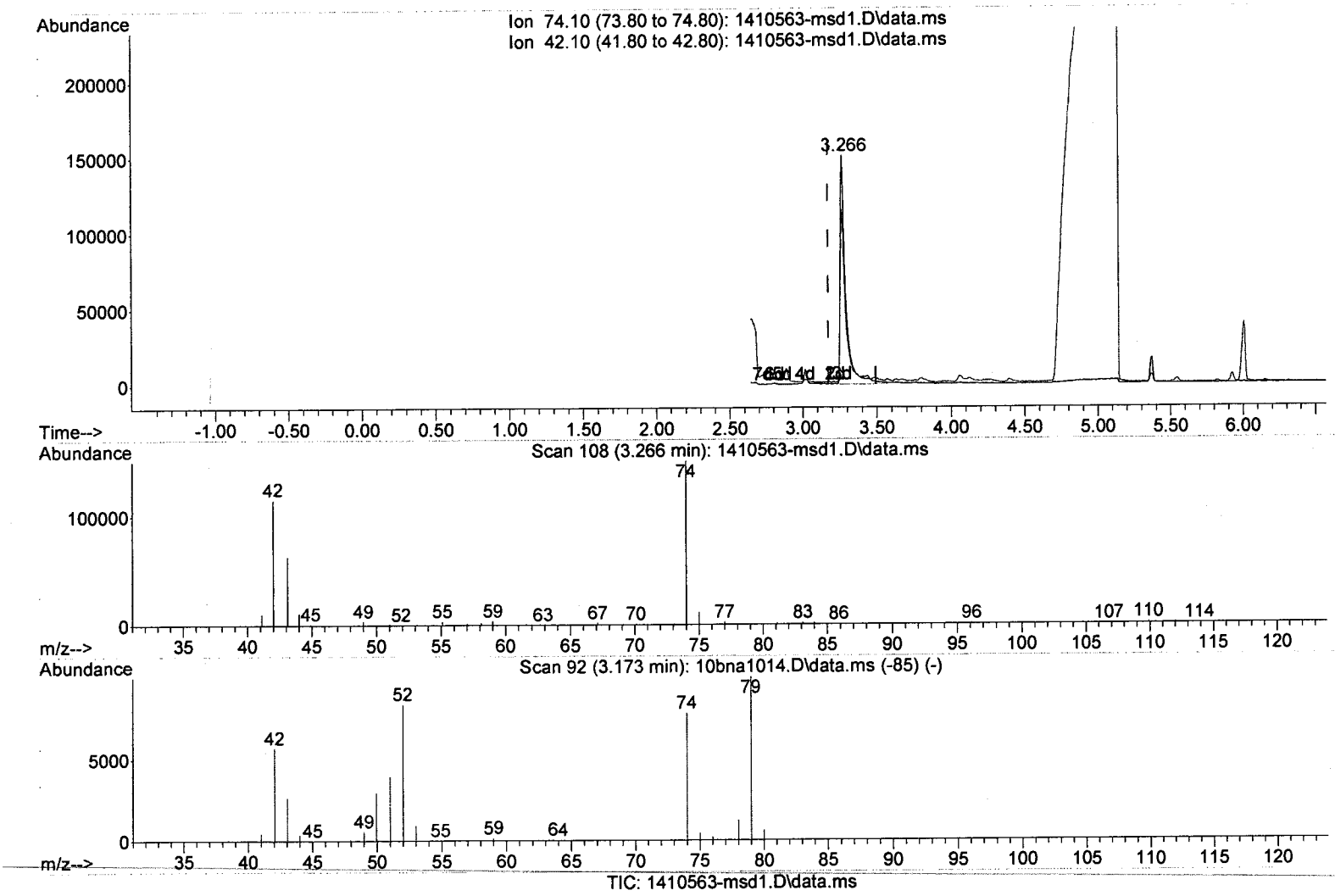
DWS 10-17-14

DWS 10/15/14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 1410563-msd1.D
Acq On : 14 Oct 2014 9:37
Operator : JLB
Sample : 1410563-msd1 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:31:03 2014
Quant Method : C:\msdchem\1\methods\100414bna.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:29:24 2014
Response via : Initial Calibration



(2) N-Nitroso-dimethylamine

3.266min (+ 0.093) 8.92 ng/uL m

response 390018

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	96.80	0.20#
0.00	0.00	0.00
0.00	0.00	0.00

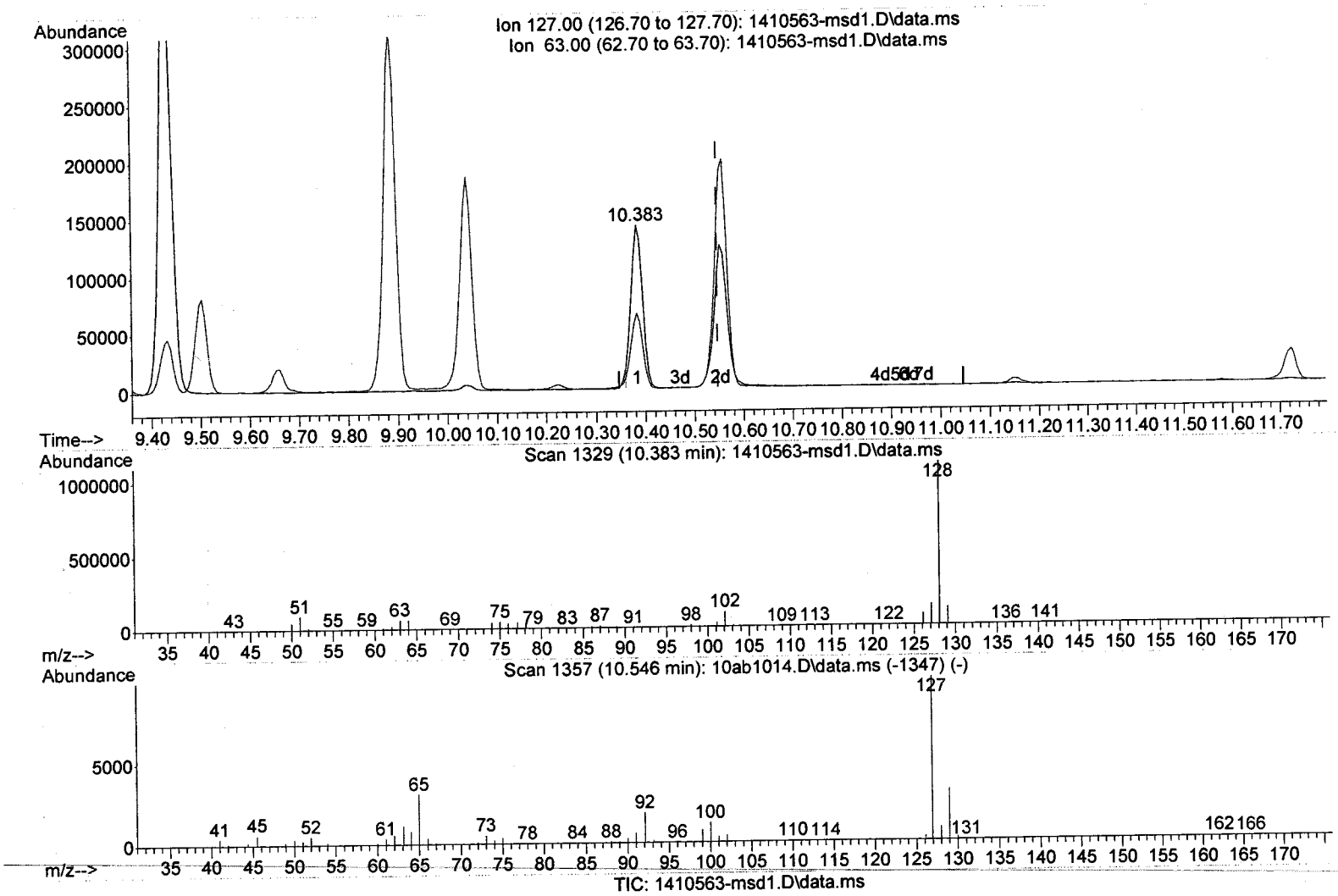
Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: (Yes) / No
Analyst: Date: 10/15/14
Reviewed By: Date: 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 1410563-msd1.D
Acq On : 14 Oct 2014 9:37
Operator : JLB
Sample : 1410563-msd1
ALS Vial : 5 Sample Multiplier: 1

Inst : 339

Quant Time: Oct 15 08:30:28 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:26:18 2014
Response via : Initial Calibration



(9) 4-Chloroaniline

10.383min (-0.163) 2.52 ng/uL

response 228023

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	46.50
0.00	0.00	0.00
0.00	0.00	0.00

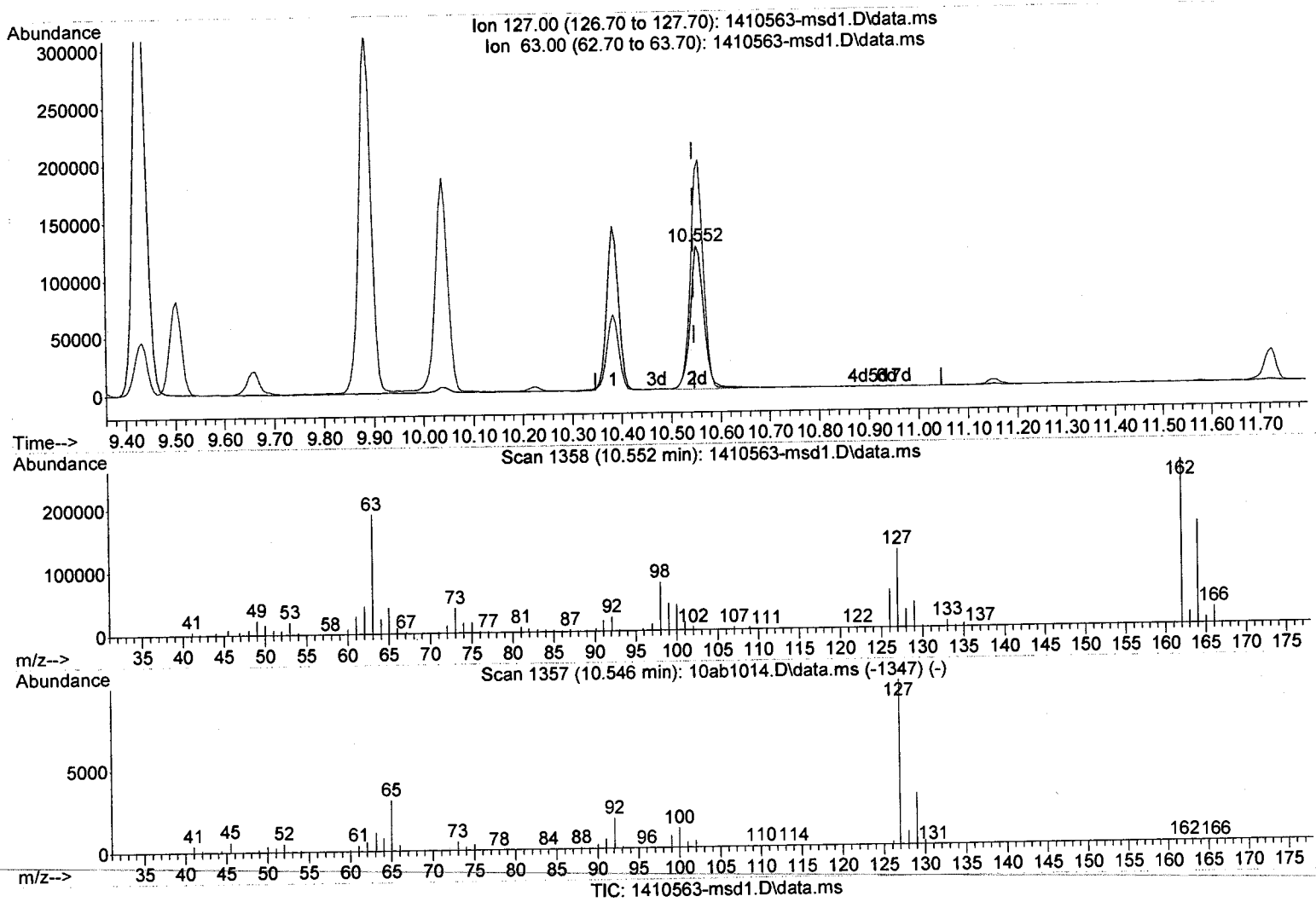
JWS 10/15/14

DWS 10-17-14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\101414_339\
Data File : 1410563-msd1.D
Acq On : 14 Oct 2014 9:37
Operator : JLB
Sample : 1410563-msd1
Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 08:30:28 2014
Quant Method : C:\msdchem\1\methods\100414abe.M
Quant Title : 8270/625 BNA
QLast Update : Wed Oct 15 08:26:18 2014
Response via : Initial Calibration



(9) 4-Chloroaniline

10.552min (+ 0.006) 2.61 ng/uL m

response 236202

Ion	Exp%	Act%
127.00	100.00	100.00
63.00	50.00	44.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: (Yes) / No

Analyst: JWS Date: 10/15/14

Reviewed By: DW Date: 10-17-14

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Matrix: Soil

QC Batch: 1410563

SDG: 50094-12

Project: Gabreski ANGB, NY

Laboratory ID: 1410563-MSD1

Preparation: 3550C Sonication Extraction

Initial/Final: 29.8 grams / 1 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Acenaphthene	347	302	87	2	20	40 - 123	ug/kg dry
Acenaphthylene	347	287	83	3	20	32 - 132	ug/kg dry
Anthracene	347	316	91	1	20	47 - 123	ug/kg dry
Benzo(a)anthracene	347	320	92	3	20	49 - 126	ug/kg dry
Benzo(a)pyrene	347	345	99	3	20	45 - 129	ug/kg dry
Benzo(b)fluoranthene	347	384	110	2	20	45 - 132	ug/kg dry
Benzo(k)fluoranthene	347	346	100	0.6	20	47 - 132	ug/kg dry
Benzo(g,h,i)perylene	347	207	60	6	20	43 - 134	ug/kg dry
Benzoic Acid	1740	1120	59	11	20	0 - 110	ug/kg dry
Benzyl Alcohol	347	304	87	4	20	29 - 122	ug/kg dry
4-Bromophenyl Phenyl Ether	347	318	92	0.2	20	46 - 124	ug/kg dry
Butyl Benzyl Phthalate	347	376	108	0.9	20	48 - 132	ug/kg dry
Carbazole	347	322	93	3	20	50 - 123	ug/kg dry
4-Chloro-3-methylphenol	347	311	89	10	20	45 - 122	ug/kg dry
4-Chloroaniline	347	90.6	26	28 *	20	17 - 106	ug/kg dry
Bis(2-chloroethoxy)methane	347	300	86	2	20	36 - 121	ug/kg dry
Bis(2-chloroethyl) Ether	347	283	82	5	20	31 - 120	ug/kg dry
Bis(2-chloroisopropyl) Ether	347	271	78	8	20	33 - 131	ug/kg dry
2-Chloronaphthalene	347	317	91	2	20	41 - 114	ug/kg dry
2-Chlorophenol	347	294	85	0.6	20	34 - 121	ug/kg dry
4-Chlorophenyl Phenyl Ether	347	294	85	0.1	20	45 - 121	ug/kg dry
Chrysene	347	309	89	5	20	50 - 124	ug/kg dry
Dibenz(a,h)anthracene	347	222	64	8	20	45 - 134	ug/kg dry
Dibenzofuran	347	300	86	1	20	44 - 120	ug/kg dry
Di-n-butyl Phthalate	347	335	97	1	20	51 - 128	ug/kg dry
1,4-Dichlorobenzene	347	267	77	6	20	31 - 115	ug/kg dry
1,2-Dichlorobenzene	347	283	82	3	20	33 - 117	ug/kg dry
1,3-Dichlorobenzene	347	266	77	5	20	30 - 115	ug/kg dry
3,3´-Dichlorobenzidine	694	ND	*		20	22 - 121	ug/kg dry
2,4-Dichlorophenol	347	304	87	5	20	40 - 122	ug/kg dry
Diethyl Phthalate	347	308	89	4	20	50 - 124	ug/kg dry
2,4-Dimethylphenol	347	303	87	3	20	30 - 127	ug/kg dry
Dimethyl Phthalate	347	304	88	6	20	48 - 124	ug/kg dry
4,6-Dinitro-2-methylphenol	347	301	87	5	20	29 - 132	ug/kg dry

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-8270D

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410563-MSD1
Preparation: 3550C Sonication Extraction
QC Batch: 1410563
Initial/Final: 29.8 grams / 1 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
2,4-Dinitrophenol	347	269	78	7	20	15 - 130	ug/kg dry
2,6-Dinitrotoluene	347	303	87	4	20	46 - 124	ug/kg dry
2,4-Dinitrotoluene	347	300	86	3	20	48 - 126	ug/kg dry
Di-n-octyl Phthalate	347	403	116	2	20	45 - 140	ug/kg dry
1,2-Diphenylhydrazine	347	312	90	6	20	41 - 125	ug/kg dry
Bis(2-ethylhexyl) Phthalate	347	434	113	0.6	20	51 - 133	ug/kg dry
Fluoranthene	347	316	91	3	20	50 - 127	ug/kg dry
Fluorene	347	295	85	3	20	43 - 125	ug/kg dry
Hexachlorobenzene	347	305	88	5	20	45 - 122	ug/kg dry
Hexachlorobutadiene	347	279	80	7	20	32 - 123	ug/kg dry
Hexachloroethane	347	265	76	3	20	28 - 117	ug/kg dry
Indeno(1,2,3-cd)pyrene	347	233	67	5	20	45 - 133	ug/kg dry
Isophorone	347	262	75	2	20	30 - 122	ug/kg dry
2-Methylnaphthalene	347	298	86	0.6	20	38 - 122	ug/kg dry
3+4-Methylphenol	347	317	91	7	20	34 - 119	ug/kg dry
2-Methylphenol	347	293	85	3	20	32 - 122	ug/kg dry
Naphthalene	347	296	85	3	20	35 - 123	ug/kg dry
4-Nitroaniline	347	245	71	7	20	35 - 115	ug/kg dry
2-Nitroaniline	347	289	83	1	20	45 - 120	ug/kg dry
3-Nitroaniline	347	148	43	27 *	20	25 - 110	ug/kg dry
Nitrobenzene	347	298	86	4	20	34 - 122	ug/kg dry
2-Nitrophenol	347	308	89	2	20	36 - 123	ug/kg dry
4-Nitrophenol	347	359	103	12	20	30 - 132	ug/kg dry
N-Nitroso-dimethylamine	347	310	89	17	20	23 - 120	ug/kg dry
N-Nitroso-diphenylamine	347	319	92	4	20	38 - 127	ug/kg dry
N-Nitroso-di-n-propylamine	347	305	88	2	20	36 - 120	ug/kg dry
Pentachlorophenol	347	346	100	5	20	25 - 133	ug/kg dry
Phenanthrene	347	305	88	4	20	50 - 121	ug/kg dry
Phenol	347	307	85	2	20	34 - 121	ug/kg dry
Pyrene	347	311	90	9	20	47 - 127	ug/kg dry
1,2,4-Trichlorobenzene	347	283	82	6	20	34 - 118	ug/kg dry
2,4,5-Trichlorophenol	347	314	90	6	20	41 - 124	ug/kg dry
2,4,6-Trichlorophenol	347	324	93	0.04	20	39 - 126	ug/kg dry

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

TRIMATRIX LABORATORIES

SECTION - D

PREPARATION LOGS / MISCELLANEOUS

USEPA-8270D

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

Semivolatiles MS, Water, 3510C Liquid-Liquid Extraction

Surrogate #1 = 4081343 (Pre-Prep)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4061349	Rinsed Sodium Sulfate	MeCl2/0000069572	0000071883
4070251	1:1 Sulfuric Acid	ASTM H2O	140021
4070776	MeCl2 - Lot #0000081293	n/a	0000081293
4070781	10 N NaOH	ASTM II H2O	141103
4081000	Benzoic Acid Spike	MeOH/140796	100213
4081343	BNA Surrogate	MeOH/140796	na
4090999	Full, Benz	MeOH/140796	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409422	8270D DoD SVOCs plus custom	1409444	8270D DoD SVOCs plus custom	1409479	8270D DoD SVOCs plus custom

Balance ID: none **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410325-BLK1		Sep-29-14 07:52	JBA	1000	1	100				BLANK	
1410325-BS1		Sep-29-14 07:52	JBA	1000	1	100		4090999	100	LCS	
1409422-12	D	Sep-29-14 07:52	JBA	960	1	100				AECOM - Alexandria, VA	
1409444-02	D	Sep-29-14 07:52	JBA	970	1	100				AECOM - Alexandria, VA	
1409479-09	D	Sep-29-14 07:52	JBA	910	1	100				AECOM - Alexandria, VA	
1409479-10	D	Sep-29-14 07:52	JBA	930	1	100				AECOM - Alexandria, VA	
1409479-11	D	Sep-29-14 07:52	JBA	920	1	100				AECOM - Alexandria, VA	

Comments:

Analyst Initials: ALK

Semivolatiles MS, Soil, 3550C Sonication Extraction

Surrogate #1 = 4081343 (Pre-Prep)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4061349	Rinsed Sodium Sulfate	MeCl2/0000069572	0000071883
4070776	MeCl2 - Lot #0000081293	n/a	0000081293
4080866	1:1 Methylene Chloride/Acetone	MeCl2 0000081293/Acetone 5315	N/A
4081343	BNA Surrogate	MeOH/140796	na
4091364	Benzoic Acid Spike	MeOH/140796	100213
4091405	Full, Benz	MeOH/140796	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409422	8270D DoD SVOCs plus custom	1409444	8270D DoD SVOCs plus custom		

Balance ID: 209 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410423-BLK1		Sep-30-14 07:32	JTS	28.8	1	100				BLANK	
1410423-BS1		Sep-30-14 07:32	JTS	29.4	1	100		4091405	100	LCS	
1410423-MS1		Sep-30-14 07:32	JTS	29.3	1	100	1409422-07	4091405	100	MATRIX SPIKE	
1410423-MSD1		Sep-30-14 07:32	JTS	28.8	1	100	1409422-07	4091405	100	MATRIX SPIKE DUP	
1409422-01	E	Sep-30-14 07:32	JTS	28.9	1	100				AECOM - Alexandria, VA	
1409422-02	E	Sep-30-14 07:32	JTS	30.6	1	100				AECOM - Alexandria, VA	
1409422-03	E	Sep-30-14 07:32	JTS	29.3	1	100				AECOM - Alexandria, VA	
1409422-04	E	Sep-30-14 07:32	JTS	28.7	1	100				AECOM - Alexandria, VA	
1409422-05	E	Sep-30-14 07:32	JTS	29	1	100				AECOM - Alexandria, VA	
1409422-06	E	Sep-30-14 07:32	JTS	29.8	1	100				AECOM - Alexandria, VA	
1409422-07	C	Sep-30-14 07:32	JTS	28.7	1	100				AECOM - Alexandria, VA	
1409422-08	E	Sep-30-14 07:32	JTS	29	1	100				AECOM - Alexandria, VA	
1409422-10	E	Sep-30-14 07:32	JTS	28.9	1	100				AECOM - Alexandria, VA	
1409422-11	E	Sep-30-14 07:32	JTS	28.7	1	100				AECOM - Alexandria, VA	
1409444-03	A	Sep-30-14 07:32	JTS	30	1	100				AECOM - Alexandria, VA	
1409444-04	A	Sep-30-14 07:32	JTS	30.4	1	100				AECOM - Alexandria, VA	

Comments:

Analyst Initials: JTS

Semivolatiles MS, Soil, 3550C Sonication Extraction

Surrogate #1 = 4081343 (Pre-Prep)

Batch Comments: (none)

Balance ID: 209 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Spike ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1409444-05	A	Sep-30-14 07:32	JTS	28.9	1	100				AECOM - Alexandria, VA	
1409444-06	A	Sep-30-14 07:32	JTS	29	1	100				AECOM - Alexandria, VA	
1409444-07	A	Sep-30-14 07:32	JTS	30.3	1	100				AECOM - Alexandria, VA	
1409444-08	A	Sep-30-14 07:32	JTS	29.4	1	100				AECOM - Alexandria, VA	
1409444-09	A	Sep-30-14 07:32	JTS	29.8	1	100				AECOM - Alexandria, VA	
1409444-10	A	Sep-30-14 07:32	JTS	31.1	1	100				AECOM - Alexandria, VA	
1409444-11	A	Sep-30-14 07:32	JTS	29.1	1	100				AECOM - Alexandria, VA	
1409444-12	A	Sep-30-14 07:32	JTS	29.6	1	100				AECOM - Alexandria, VA	

Comments:

Analyst Initials: JTB

004674

Semivolatiles MS, Soil, 3550C Sonication Extraction

Surrogate #1 = 4081343 (Pre-Prep)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4061349	Rinsed Sodium Sulfate	MeCl2/0000069572	0000071883
4070776	MeCl2 - Lot #0000081293	n/a	0000081293
4080866	1:1 Methylene Chloride/Acetone	MeCl2 0000081293/Acetone 5315	N/A
4081000	Benzoic Acid Spike	MeOH/140796	100213
4081343	BNA Surrogate	MeOH/140796	na
4091364	Benzoic Acid Spike	MeOH/140796	100213
4091405	Full, Benz	MeOH/140796	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409479	8270D DoD SVOCs plus custom				

Balance ID: 209 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410496-BLK1		Oct-01-14 07:29	JBA	28.7	1	100				BLANK	
1410496-BS1		Oct-01-14 07:29	JBA	29.3	1	100		4091405	100	LCS	
1409479-01	A	Oct-01-14 07:29	JBA	30.7	1	100				AECOM - Alexandria, VA	
1409479-01RE1	A	Oct-01-14 07:29	JBA	30.7	1	100				AECOM - Alexandria, VA	Added 10/8/2014 by JLB
1409479-02	A	Oct-01-14 07:29	JBA	29.5	1	100				AECOM - Alexandria, VA	
1409479-02RE1	A	Oct-01-14 07:29	JBA	29.5	1	100				AECOM - Alexandria, VA	Added 10/8/2014 by JLB
1409479-03	A	Oct-01-14 07:29	JBA	30	1	100				AECOM - Alexandria, VA	
1409479-03RE1	A	Oct-01-14 07:29	JBA	30	1	100				AECOM - Alexandria, VA	Added 10/8/2014 by JLB
1409479-04	A	Oct-01-14 07:29	JBA	30.6	1	100				AECOM - Alexandria, VA	
1409479-05	A	Oct-01-14 07:29	JBA	28.8	1	100				AECOM - Alexandria, VA	
1409479-05RE1	A	Oct-01-14 07:29	JBA	28.8	1	100				AECOM - Alexandria, VA	Added 10/8/2014 by JLB
1409479-06	A	Oct-01-14 07:29	JBA	28.6	1	100				AECOM - Alexandria, VA	
1409479-08	A	Oct-01-14 07:29	JBA	28.9	1	100				AECOM - Alexandria, VA	
1409479-12	A	Oct-01-14 07:29	JBA	28.9	1	100				AECOM - Alexandria, VA	
1409479-13	A	Oct-01-14 07:29	JBA	29.2	1	100				AECOM - Alexandria, VA	

Comments:

Analyst Initials: JJ

Semivolatiles MS, Soil, 3550C Sonication Extraction

Surrogate #1 = 4081343 (Pre-Prep)

Batch Comments: (none)

Balance ID: 209 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1409479-14	A	Oct-01-14 07:29	JBA	29.2	1	100				AECOM - Alexandria, VA	
1409479-15	A	Oct-01-14 07:29	JBA	29	1	100				AECOM - Alexandria, VA	
1409479-16	A	Oct-01-14 07:29	JBA	28.8	1	100				AECOM - Alexandria, VA	
1409479-17	A	Oct-01-14 07:29	JBA	28.8	1	100				AECOM - Alexandria, VA	
1409479-18	A	Oct-01-14 07:29	JBA	29.6	1	100				AECOM - Alexandria, VA	
1410496-BLK2		Oct-08-14 07:29	JBA	28.7	1	100				BLANK	
1410496-BS2		Oct-08-14 07:29	JBA	29.2	1	100		4091405	100	LCS	
1409479-04RE1	A	Oct-08-14 07:29	JBA	30.5	1	100				AECOM - Alexandria, VA	From 1410496 by JTS on Oct-08-14
1409479-05RE2	A	Oct-08-14 07:29	JBA	28.8	1	100				AECOM - Alexandria, VA	From 1410496 by JTS on Oct-08-14
1409479-06RE1	A	Oct-08-14 07:29	JBA	29.7	1	100				AECOM - Alexandria, VA	From 1410496 by JTS on Oct-08-14
1409479-18RE1	A	Oct-08-14 07:29	JBA	29	1	100				AECOM - Alexandria, VA	From 1410496 by JTS on Oct-08-14

Comments:

Analyst Initials: JTS

Semivolatiles MS, Soil, 3550C Sonication Extraction

Surrogate #1 = 4081343 (Pre-Prep)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4061349	Rinsed Sodium Sulfate	MeCl2/0000069572	0000071883
4070776	MeCl2 - Lot #0000081293	n/a	0000081293
4080866	1:1 Methylene Chloride/Acetone	MeCl2 0000081293/Acetone 5315	N/A
4081343	BNA Surrogate	MeOH/140796	na
4091364	Benzoic Acid Spike	MeOH/140796	100213
4091405	Full, Benz	MeOH/140796	na
4100591	Benzoic Acid Spike	MeOH/140796	100213
4100669	Full, Benz	MeOH/140796	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409499	8270D DoD SVOCs plus custom	1410014	8270D DoD SVOCs plus custom		

Balance ID: 209 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410563-BLK1		Oct-02-14 07:41	JBA	28.7	1	100				BLANK	
1410563-BS1		Oct-02-14 07:41	JBA	29.4	1	100		4091405	100	LCS	
1410563-MS1		Oct-02-14 07:41	JBA	29.3	1	100	1409499-08	4091405	100	MATRIX SPIKE	
1410563-MSD1		Oct-02-14 07:41	JBA	29.8	1	100	1409499-08	4091405	100	MATRIX SPIKE DUP	
1409499-02	A	Oct-02-14 07:41	JBA	28.4	1	100				AECOM - Alexandria, VA	
1409499-02RE1	A	Oct-02-14 07:41	JBA	28.4	1	100				AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1409499-03	A	Oct-02-14 07:41	JBA	28.5	2	100				AECOM - Alexandria, VA	Bottled @ 2mL
1409499-03RE1	A	Oct-02-14 07:41	JBA	28.5	2	100				AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1409499-04	A	Oct-02-14 07:41	JBA	29.4	1	100				AECOM - Alexandria, VA	
1409499-04RE1	A	Oct-02-14 07:41	JBA	29.4	1	100				AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1409499-05	A	Oct-02-14 07:41	JBA	30.3	1	100				AECOM - Alexandria, VA	
1409499-05RE1	A	Oct-02-14 07:41	JBA	30.3	1	100				AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1409499-08	A	Oct-02-14 07:41	JBA	29.3	1	100				AECOM - Alexandria, VA	
1409499-09	A	Oct-02-14 07:41	JBA	31	1	100				AECOM - Alexandria, VA	

Comments:

Analyst Initials: ALK

Semivolatiles MS, Soil, 3550C Sonication Extraction

Surrogate #1 = 4081343 (Pre-Prep)

Batch Comments: (none)

Balance ID: 209 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1409499-10	A	Oct-02-14 07:41	JBA	29.1	1	100				AECOM - Alexandria, VA	
1409499-11	A	Oct-02-14 07:41	JBA	29.2	1	100				AECOM - Alexandria, VA	
1409499-11RE1	A	Oct-02-14 07:41	JBA	29.2	1	100				AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1410014-01	A	Oct-02-14 07:41	JBA	29.8	1	100				AECOM - Alexandria, VA	
1410014-01RE1	A	Oct-02-14 07:41	JBA	29.8	1	100				AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1410014-02	A	Oct-02-14 07:41	JBA	29.8	1	100				AECOM - Alexandria, VA	
1410014-03	A	Oct-02-14 07:41	JBA	29.6	1	100				AECOM - Alexandria, VA	
1410014-04	A	Oct-02-14 07:41	JBA	28.7	1	100				AECOM - Alexandria, VA	
1410014-05	A	Oct-02-14 07:41	JBA	29	1	100				AECOM - Alexandria, VA	
1410014-05RE1	A	Oct-02-14 07:41	JBA	29	1	100				AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1410014-06	A	Oct-02-14 07:41	JBA	28.9	1	100				AECOM - Alexandria, VA	
1410014-06RE1	A	Oct-02-14 07:41	JBA	28.9	1	100				AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1410014-07	A	Oct-02-14 07:41	JBA	29.5	1	100				AECOM - Alexandria, VA	
1410014-08	A	Oct-02-14 07:41	JBA	28.7	1	100				AECOM - Alexandria, VA	
1410014-08RE1	A	Oct-02-14 07:41	JBA	28.7	1	100				AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1410563-BLK2		Oct-15-14 11:41	JTS	29.9	1	100				BLANK	
1410563-BS2		Oct-15-14 11:41	JTS	29	1	100		4100669	100	LCS	
1410014-08RE2	A	Oct-15-14 11:41	JTS	29.6	1	100				AECOM - Alexandria, VA	Added 10/15/2014 by JTS

Comments:

Analyst Initials:

Semivolatiles MS, Water, 3510C Liquid-Liquid Extraction

Surrogate #1 = 4081343 (Pre-Prep)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4061349	Rinsed Sodium Sulfate	MeCl2/0000069572	0000071883
4070251	1:1 Sulfuric Acid	ASTM H2O	140021
4070361	Benzoic Acid Spike	MeOH/138072	100213
4070776	MeCl2 - Lot #0000081293	n/a	0000081293
4070781	10 N NaOH	ASTM II H2O	141103
4081343	BNA Surrogate	MeOH/140796	na
4091405	Full, Benz	MeOH/140796	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409499	8270D DoD SVOCs plus custom	1410014	8270D DoD SVOCs plus custom	1410025	8270D DoD SVOCs plus custom

Balance ID: none **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410565-BLK1		Oct-02-14 07:47	JTS	1000	1	100				BLANK	
1410565-BS1		Oct-02-14 07:47	JTS	1000	1	100		4091405	100	LCS	
1409499-06	D	Oct-02-14 07:47	JTS	960	1	100				AECOM - Alexandria, VA	
1409499-07	D	Oct-02-14 07:47	JTS	920	1	100				AECOM - Alexandria, VA	
1410014-09	D	Oct-02-14 07:47	JTS	990	1	100				AECOM - Alexandria, VA	
1410014-10	D	Oct-02-14 07:47	JTS	970	1	100				AECOM - Alexandria, VA	
1410025-08	D	Oct-02-14 07:47	JTS	980	1	100				AECOM - Alexandria, VA	
1410025-09	D	Oct-02-14 07:47	JTS	890	1	100				AECOM - Alexandria, VA	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1410842

Printed: 10/7/2014 7:20:04PM

Semivolatiles MS, Water, 3510C Liquid-Liquid Extraction

Surrogate #1 = 4081343 (Pre-Prep)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4061349	Rinsed Sodium Sulfate	MeCl2/0000069572	0000071883
4070251	1:1 Sulfuric Acid	ASTM H2O	140021
4070776	MeCl2 - Lot #0000081293	n/a	0000081293
4070781	10 N NaOH	ASTM II H2O	141103
4081343	BNA Surrogate	MeOH/140796	na
4091364	Benzoic Acid Spike	MeOH/140796	100213
4091405	Full, Benz	MeOH/140796	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1410085	8270D DoD SVOCs plus custom				

Balance ID: none

pH Meter: none

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410842-BLK1		Oct-07-14 12:17	JBA	1000	1	100				BLANK	Same as batch 1410786
1410842-BS1		Oct-07-14 12:17	JBA	1000	1	100		4091405	100	LCS	Same as batch 1410786
1410085-03	D	Oct-07-14 12:17	JBA	980	1	100				AECOM - Alexandria, VA	

Comments:

Analyst Initials: JB

bch_TriMatrix.rpt

004680

Semivolatiles MS, Soil, 3550C Sonication Extraction

Surrogate #1 = 4081343 (Pre-Prep)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
4061349	Rinsed Sodium Sulfate	MeCl2/0000069572	0000071883
4070776	MeCl2 - Lot #0000081293	n/a	0000081293
4080866	1:1 Methylene Chloride/Acetone	MeCl2 0000081293/Acetone 5315	N/A
4081343	BNA Surrogate	MeOH/140796	na
4091364	Benzoic Acid Spike	MeOH/140796	100213
4091405	Full, Benz	MeOH/140796	na
4100591	Benzoic Acid Spike	MeOH/140796	100213
4100812	Full, Benz	MeOH/140796	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1410025	8270D DoD SVOCs plus custom	1410085	8270D DoD SVOCs plus custom		

Balance ID: 209 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410920-BLK1		Oct-09-14 07:32	JBA	28.7	1	100				BLANK	
1410920-BS1		Oct-09-14 07:32	JBA	28.8	1	100		4091405	100	LCS	
1410025-01	A	Oct-09-14 07:32	JBA	28.5	1	100				AECOM - Alexandria, VA	
1410025-02	A	Oct-09-14 07:32	JBA	29.1	1	100				AECOM - Alexandria, VA	
1410025-02RE1	A	Oct-09-14 07:32	JBA	29.1	1	100				AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410025-03	A	Oct-09-14 07:32	JBA	28.6	1	100				AECOM - Alexandria, VA	
1410025-04	A	Oct-09-14 07:32	JBA	28.7	1	100				AECOM - Alexandria, VA	
1410025-05	A	Oct-09-14 07:32	JBA	29.6	1	100				AECOM - Alexandria, VA	
1410025-05RE1	A	Oct-09-14 07:32	JBA	29.6	1	100				AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410025-06	A	Oct-09-14 07:32	JBA	29.2	1	100				AECOM - Alexandria, VA	
1410025-06RE1	A	Oct-09-14 07:32	JBA	29.2	1	100				AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410025-07	A	Oct-09-14 07:32	JBA	29.1	1	100				AECOM - Alexandria, VA	
1410085-01	A	Oct-09-14 07:32	JBA	29.8	1	100				AECOM - Alexandria, VA	
1410085-01RE1	A	Oct-09-14 07:32	JBA	29.8	1	100				AECOM - Alexandria, VA	Added 10/22/2014 by JLB

Comments:

Analyst Initials:

Semivolatiles MS, Soil, 3550C Sonication Extraction

Surrogate #1 = 4081343 (Pre-Prep)

Batch Comments: (none)

Balance ID: 209 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410085-02	A	Oct-09-14 07:32	JBA	30.4	1	100				AECOM - Alexandria, VA	
1410085-02RE1	A	Oct-09-14 07:32	JBA	30.4	1	100				AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410085-04	A	Oct-09-14 07:32	JBA	29	1	100				AECOM - Alexandria, VA	
1410085-04RE1	A	Oct-09-14 07:32	JBA	29	1	100				AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410085-05	A	Oct-09-14 07:32	JBA	30.1	1	100				AECOM - Alexandria, VA	
1410085-05RE1	A	Oct-09-14 07:32	JBA	30.1	1	100				AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410085-06	A	Oct-09-14 07:32	JBA	29.2	1	100				AECOM - Alexandria, VA	
1410085-06RE1	A	Oct-09-14 07:32	JBA	29.2	1	100				AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410085-08	A	Oct-09-14 07:32	JBA	29.5	1	100				AECOM - Alexandria, VA	
1410085-09	A	Oct-09-14 07:32	JBA	28.4	1	100				AECOM - Alexandria, VA	
1410920-BLK2		Oct-22-14 08:32	JBA	29.1	1	100				BLANK	same as batch 1411640
1410920-BS2		Oct-22-14 08:32	JBA	29	1	100		4100812	100	LCS	same as batch 1411640
1410025-06RE2	A	Oct-22-14 08:32	JBA	28.9	1	100				AECOM - Alexandria, VA	Added 10/22/2014 by JTS

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-04-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J06018-TUN1	QC		4090840	4060217	MS TUNE	
4J06018-CAL1	QC		4091398	4060217	CAL STANDARD	
4J06018-CAL2	QC		4091397	4060217	CAL STANDARD	
4J06018-CAL3	QC		4091396	4060217	CAL STANDARD	
4J06018-CAL4	QC		4091395	4060217	CAL STANDARD	
4J06018-CAL5	QC		4091394	4060217	CAL STANDARD	
4J06018-CAL6	QC		4091393	4060217	CAL STANDARD	
4J06018-CAL7	QC		4091392	4060217	CAL STANDARD	
4J06018-CAL8	QC		4091391	4060217	CAL STANDARD	
4J06018-SCV1	QC		4091399	4060217	SECONDARY CAL CHECK	
4J06018-CAL9	QC		4090529	4060217	CAL STANDARD	
4J06018-CALA	QC		4090528	4060217	CAL STANDARD	
4J06018-CALB	QC		4090527	4060217	CAL STANDARD	
4J06018-CALC	QC		4090526	4060217	CAL STANDARD	
4J06018-CALD	QC		4090525	4060217	CAL STANDARD	
4J06018-CALE	QC		4090524	4060217	CAL STANDARD	
4J06018-CALF	QC		4090523	4060217	CAL STANDARD	
4J06018-CALG	QC		4090522	4060217	CAL STANDARD	
4J06018-SCV2	QC		4090530	4060217	SECONDARY CAL CHECK	

Comments:

Analyst Initials:

Semivolatiles MS, Water, Oct-05-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J06027-TUN1	QC		4090840	4060217	MS TUNE	
4J06027-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J06027-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410325-BLK1	QC			4060217	BLANK	
1410325-BS1	QC			4060217	LCS	
1409422-12	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	
1409444-02	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	
1409479-09	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	
1409479-10	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	
1409479-11	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-05-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J06022-TUN1	QC		4090840	4060217	MS TUNE	
4J06022-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J06022-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410423-BLK1	QC			4060217	BLANK	
1410423-BS1	QC			4060217	LCS	
1409422-02	8270D DoD SVOCs plus custom	E 01		4060217	AECOM - Alexandria, VA	
1409422-03	8270D DoD SVOCs plus custom	E 01		4060217	AECOM - Alexandria, VA	
1409422-05	8270D DoD SVOCs plus custom	E 01		4060217	AECOM - Alexandria, VA	
1409422-06	8270D DoD SVOCs plus custom	E 01		4060217	AECOM - Alexandria, VA	
1409422-07	8270D DoD SVOCs plus custom	C 01		4060217	AECOM - Alexandria, VA	
1409422-08	8270D DoD SVOCs plus custom	E 01		4060217	AECOM - Alexandria, VA	
1409422-10	8270D DoD SVOCs plus custom	E 01		4060217	AECOM - Alexandria, VA	
1410423-MS1	QC			4060217	MATRIX SPIKE	
1410423-MSD1	QC			4060217	MATRIX SPIKE DUP	

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-07-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J08017-TUN1	QC		4090840	4060217	MS TUNE	
4J08017-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J08017-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410423-BLK2	QC			4060217	BLANK	
1410423-BS2	QC			4060217	LCS	
1409422-07RE1	8270D DoD SVOCs plus custom	C 02		4060217	AECOM - Alexandria, VA	Added 10/6/2014 by JTS
1409444-03	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409444-09	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409444-11	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409444-12	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409422-04	8270D DoD SVOCs plus custom	E 01		4060217	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-07-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J08019-TUN1	QC		4090840	4060217	MS TUNE	
4J08019-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J08019-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410496-BLK1	QC			4060217	BLANK	
1409444-04	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409444-06	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409444-07	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409444-08	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-04	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-13	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-15	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-18	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-16	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-06	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409422-01	8270D DoD SVOCs plus custom	E 01		4060217	AECOM - Alexandria, VA	
1409422-11	8270D DoD SVOCs plus custom	E 01		4060217	AECOM - Alexandria, VA	
1409444-05	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409444-10	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-01	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-02	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-03	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-05	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-08-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J08051-TUN1	QC		4090840	4060217	MS TUNE	
4J08051-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J08051-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410496-BS1	QC			4060217	LCS	
1409422-01RE1	8270D DoD SVOCs plus custom	E 01		4060217	AECOM - Alexandria, VA	Added 10/8/2014 by JLB

Comments:

Analyst Initials:

Semivolatiles MS, Water, Oct-08-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J09008-TUN1	QC		4090840	4060217	MS TUNE	
4J09008-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J09008-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410565-BLK1	QC			4060217	BLANK	
1410565-BS1	QC			4060217	LCS	
1409499-06	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-08-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J09062-TUN1	QC		4090840	4060217	MS TUNE	
4J09062-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J09062-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410563-BLK1	QC			4060217	BLANK	
1410563-BS1	QC			4060217	LCS	
1409499-08	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409499-09	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409499-10	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-01RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/8/2014 by JLB

Comments:

Analyst Initials:

Semivolatiles MS, Water, Oct-08-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J09063-TUN1	QC		4090840	4060217	MS TUNE	
4J09063-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J09063-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1409499-06RE1	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	Added 10/9/2014 by JLB
1409499-07	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	
1410014-09	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	
1410025-09	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	
1410014-10	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	
1410025-08	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-10-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J10038-TUN1	QC		4090840	4060217	MS TUNE	
4J10038-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J10038-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410496-BLK2	QC			4060217	BLANK	
1410496-BS2	QC			4060217	LCS	
1409444-05RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/8/2014 by JLB
1409479-04RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	From 1410496 by JTS on Oct-08-14
1409479-06RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	From 1410496 by JTS on Oct-08-14
1409479-18RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	From 1410496 by JTS on Oct-08-14
1409479-02RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/8/2014 by JLB
1409479-03RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/8/2014 by JLB
1409479-12	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-10-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J15024-TUN1	QC		4090840	4060217	MS TUNE	
4J15024-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J15024-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410014-02	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410014-04	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410014-03	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410014-07	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410563-MS1	QC			4060217	MATRIX SPIKE	
1410014-06	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409499-02	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409499-04	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410014-08	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410014-01	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410014-05	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409499-05	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-17	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-14-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J15031-TUN1	QC		4090840	4060217	MS TUNE	
4J15031-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J15031-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410563-MSD1	QC			4060217	MATRIX SPIKE DUP	

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-14-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J15034-TUN1	QC		4090840	4060217	MS TUNE	
4J15034-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J15034-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410014-06RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1409479-05RE3	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1409479-05RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/8/2014 by JLB
1409499-02RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1409499-04RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1409479-08	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409479-14	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1409499-11	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410014-01RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1409499-03	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Bottled @ 2mL
1409479-05RE2	8270D DoD SVOCs plus custom	A 02		4060217	AECOM - Alexandria, VA	From 1410496 by JTS on Oct-08-14

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-17-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J17060-TUN1	QC		4090840	4060217	MS TUNE	
4J17060-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J17060-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410563-BLK2	QC			4060217	BLANK	
1409499-11RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1409479-17RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1410014-05RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1409499-03RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1409499-05RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/15/2014 by JLB

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-20-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J21016-TUN1	QC		4090840	4060217	MS TUNE	
4J21016-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J21016-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410920-BLK1	QC			4060217	BLANK	
1410920-BS1	QC			4060217	LCS	
1410563-BS2	QC			4060217	LCS	
1410014-08RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/15/2014 by JLB
1410014-08RE3	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/17/2014 by JLB
1410025-03	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410025-04	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410025-01	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410025-07	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410085-02	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410085-04	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410085-05	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410085-06	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410025-02	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410025-05	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410025-06	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410014-08RE2	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/15/2014 by JTS

Comments:

Analyst Initials:

Semivolatiles MS, Water, Oct-21-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J22008-TUN1	QC		4090840	4060217	MS TUNE	
4J22008-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J22008-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410842-BLK1	QC			4060217	BLANK	Same as batch 1410786
1410842-BS1	QC			4060217	LCS	Same as batch 1410786
1410085-03	8270D DoD SVOCs plus custom	D 01		4060217	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-21-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J21047-TUN1	QC		4090840	4060217	MS TUNE	
4J21047-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J21047-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410025-02RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410025-05RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410025-06RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410085-02RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410085-04RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410085-05RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410085-06RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/21/2014 by JLB
1410085-09	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410085-08	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	
1410085-01	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	

Comments:

Analyst Initials:

Semivolatiles MS, Soil, Oct-22-14

Instrument = 339, Calibration = 4J06006

Sequence Analyses:
8270D DoD SVOCs plus custom

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
4J22044-TUN1	QC		4090840	4060217	MS TUNE	
4J22044-CCV1	QC		4091394	4060217	CALIBRATION CHECK	
4J22044-CCV2	QC		4090525	4060217	CALIBRATION CHECK	
1410920-BLK2	QC			4060217	BLANK	same as batch 1411640
1410920-BS2	QC			4060217	LCS	same as batch 1411640
1410085-01RE1	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/22/2014 by JLB
1410025-06RE3	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/22/2014 by JLB
1410025-06RE2	8270D DoD SVOCs plus custom	A 01		4060217	AECOM - Alexandria, VA	Added 10/22/2014 by JTS

Comments:

Analyst Initials:

TRIMATRIX LABORATORIES

01.4090675

Instrument ID: Agilent 5975C MSD Instrument #339 Date: 10/4/14 Archived: _____ Disk ID: _____ Analyst: JLb

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu		Temp.	Rate	Time	Total	New Column Date: 10-3-14
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	GC	(C)	(C/min)	(min)	(min)	New Septa: Yes / (No)
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #1	45	0.0	1.5	1.5	Working Standard:
Source Temperature: 230C			Step #2	200	10	0	17.0	Internal Standard: 4060217
Transfer Line Temperature: 280C			Step #3	315	25	5	26.6	Tune Standard: 4090840
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198: 1173428
ELEMENT Sequence:		Curve Date: / / new	Clipped Column / Changed Liner					DDT Breakdown: 1.62%

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft1004f		1224			DFTPP	8270c/d	pass
106na100y		1241			bna		4091394
05		1313					4091398
1		1345					7
2		1417					6
5		1449					5
JVS10/4/14 ~~10~~ 15		1522					3
20		1554					2
25		1627					1 no aniline, 4na 1,2bis2cl
SCV		1700					4091399 all other pass 80-120% sc
05ab	JVS10/5/14	~~13~~ 1735			abc		4090529
1		1802					8

004701

TRIMATRIX LABORATORIES

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
2ab		1832			abe	8270/D	4090527
5		1902					6
10		1931					5
15		2001					4
20		2032					3
25		2102					2
SW		2132					pass 5 4090530

004702

TRIMATRIX LABORATORIES

col.4090675

Instrument ID: Agilent 5975C MSD Instrument #339 Date: 10/5/14 Archived: _____ Disk ID: _____ Analyst: JB

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu		Temp.	Rate	Time	Total	New Column Date: 10-3-14
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	GC	(C)	(C/min)	(min)	(min)	New Septa: Yes / (No)
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #1	45	0.0	1.5	1.5	Working Standard:
Source Temperature: 230C			Step #2	200	10	0	17.0	Internal Standard: 4060217
Transfer Line Temperature: 280C			Step #3	315	25	5	26.6	Tune Standard: 4090840
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198: 1052733
ELEMENT Sequence:		Curve Date: 10/4/14	Clipped Column / Changed Liner					DDT Breakdown: 1.21

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft1005a		1138			DFTPP	8270C/D	pass
10bna1005		1155			bna		pass 4091394
10ab1005		1227			abe		pass 4090525
1410325-blk1		1257			bna		
423-blk1		1330					
325-bs1		1402					
423-bs1		1434					
ace1002		1506					
1409422-12		1538					
444-02		1610					
479-09		1643					
479-10		1716					

004703

TRIMATRIX LABORATORIES

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
1409479-11		1748			bna	8270D	
1409422-02		1821					
3		1853					
5		1926					
6		1958					
7		2030					
8		2102					
10		2134					
1410423-ms1		2207					
-msd1		2240					

2338

004704

TRIMATRIX LABORATORIES

col. 4090675

Instrument ID: Agilent 5975C MSD Instrument #339 Date: 10/7/14 Archived: _____ Disk ID: _____ Analyst: JMB

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu		Temp.	Rate	Time	Total	New Column Date: 10-3-14
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	GC	(C)	(C/min)	(min)	(min)	New Septa: Yes / (No)
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #1	45	0.0	1.5	1.5	Working Standard:
Source Temperature: 230C			Step #2	200	10	0	17.0	Internal Standard: 4060217
Transfer Line Temperature: 280C			Step #3	315	25	5	26.6	Tune Standard: 4090840
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198: 1474536
ELEMENT Sequence:		Curve Date: 10/7/14 10/8/14	Clipped Column / (Changed Liner)					DDT Breakdown: 2.01

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
df1007f		0922			DFTPP	8270C/D	pass
10bna1007		0938			bna		4091394
10ab1007		1011			abe		4090525
1410423-blk2		1041			bna		
-bs2		1113					
1409422-07 rel		1145					
1409444-03		1217					
-09		1249					
-11		1321					
-12		1354					
1409422-04		1426					

004705

TRIMATRIX LABORATORIES

Col.4090675

Instrument ID: Agilent 5975C MSD Instrument #339 Date: 10/7/14 2nd Archived: _____ Disk ID: _____ Analyst: JJB

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu		Temp.	Rate	Time	Total	New Column Date: 10-3-14
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	GC	(C)	(C/min)	(min)	(min)	New Septa: Yes / (No)
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #1	45	0.0	1.5	1.5	Working Standard:
Source Temperature: 230C			Step #2	200	10	0	17.0	Internal Standard: 4060217
Transfer Line Temperature: 280C			Step #3	315	25	5	26.6	Tune Standard: 4090840
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198: 1264627
ELEMENT Sequence:		Curve Date: 10/4/14	Clipped Column / Changed Liner					DDT Breakdown: 1.95%

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft-1007i		1515			DFTPP	8270D	pass
10bna1007a		1532			bna		4091394
10ab1007a		1604			abe		4090525
1410496-blk1		1634			bna		
-bs1		1706					rr
1409444-04		1738					
-06		1810					
-07		1843					
-08		1916					
1409479-04		1948					
13		2020					
15		2052					

004706

TRIMATRIX LABORATORIES

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
1409479-18		2124			bna	8270D	
↓ 16		2156			↓	↓	
↓ 06		2228					
1409422-01 10X		2300	10X				perylene m@ 20x 100/1000 µL
↓ -11 10X		2332	↓				
1409444-05 10X		0005					perylene m@ 20x
↓ -10 10X		0037	↓				↓
1409479-01		0110					perylene low m@ 5x biszehp above curve
↓ 2		0143					↓ ↓
↓ 3		0215					↓
↓ 5		0247					chrys/peny low m@ 5x biszehp↑

004707

TRIMATRIX LABORATORIES

COI. 4090675

Instrument ID: Agilent 5975C MSD Instrument #339 Date: 10/8/14 Archived: _____ Disk ID: _____ Analyst: LMB

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu		Temp.	Rate	Time	Total	New Column Date: 10/3/14
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	GC	(C)	(C/min)	(min)	(min)	New Septa: Yes / (No)
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #1	45	0.0	1.5	1.5	Working Standard:
Source Temperature: 230C			Step #2	200	10	0	17.0	Internal Standard: 4060247
Transfer Line Temperature: 280C			Step #3	315	25	5	26.6	Tune Standard: 4090840
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198: 1429737
ELEMENT Sequence:		Curve Date: 10/4/14	Clipped Column / Changed Liner					DDT Breakdown: 2.4%

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft1008b		0801			DFTPP	8270D	pass
10bna1008		0818			bna		4091394
10ab1008		0850			abe		4090525
1410565-blk		0920			bna		
-bs1		0952					
1410496-bs1		1025					
1409499-06		1057					need 2x - biszehp
1409422-01 20x		1129	20x				50/1000mL
1409444-05 20x		1201					perylene m not used
1409479-01 5x		1233	5x				perylene m@10x 200/1000uL
-02 5x		1305					perylene m@10x
-03 5x							

004708

COI 4090675

Instrument ID: Agilent 5975C MSD Instrument #339 **Date:** 10/8/14 2nd **Archived:** _____ **Disk ID:** _____ **Analyst:** LB

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu		Temp.	Rate	Time	Total	New Column Date: 10-3-14
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	GC	(C)	(C/min)	(min)	(min)	New Septa: Yes / No
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #1	45	0.0	1.5	1.5	Working Standard:
Source Temperature: 230C			Step #2	200	10	0	17.0	Internal Standard: 4060217
Transfer Line Temperature: 280C			Step #3	315	25	5	26.6	Tune Standard: 4090840
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198:
ELEMENT Sequence:		Curve Date: 10/4 /14	Clipped Column / Changed Liner					DDT Breakdown:

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft1008e		1442			DFTPP	8270D	pass
10bna1008a		1459			bna		4091394
10ab1008a		1532			abe		4090525
1410263-blk1		1602			bna		
-bs1		1634					
1409499-06 2x		1706	2x				500/1000µL
1409499-07		1738					
1410014-09		1811					
025-09		1843					
1409499-08		1915					
09		1947					
10		2019					

004709

TRIMATRIX LABORATORIES

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
1409444-05 20x		2052	20x				per. low nr ~~40x~~ 25x 50/1000µL
1410014-10		2124					
1410025-08		2157					
1409479-01 10x		2230	10x				100/1000µL
-02 10x		2302					per. low nr not used 100
-03 10x		2324					per. low
-05 10x		0006					
-08 10x		0038					
12 10x		0110					
14 10x		0142					
17 10x		0215					

004710

TRIMATRIX LABORATORIES

Col 4090675

Instrument ID: Agilent 5975C MSD Instrument #339	Date: 10/10/14	Archived: _____	Disk ID: _____	Analyst: JB

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu		Temp.	Rate	Time	Total	New Column Date: 10-3-14
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	GC	(C)	(C/min)	(min)	(min)	New Septa: Yes / (No)
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #1	45	0.0	1.5	1.5	Working Standard:
Source Temperature: 230C			Step #2	200	10	0	17.0	Internal Standard: 4060217
Transfer Line Temperature: 280C			Step #3	315	25	5	26.6	Tune Standard: 4090840
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198:
ELEMENT Sequence:		Curve Date: 10 / 4 / 14	Clipped Column / Changed Liner					DDT Breakdown:

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft100b		0829			DFTPP	8270D	pass
10bna1010		0847			bna		4091394
10ab1010		0920			abn		4090525
1410496-blk2		0950			bna		
-bs2		1022					
1409444-05 20x		1055	20x				50/1000uL
1409479-04rel		1127					
1409479-06rel		1159					
1409479-18rel		1231					
1409479-02 10x		1304	10x				100/1000uL
03 10x		1336					
12 10x		1408					

004711

TRIMATRIX LABORATORIES

col. 4090677

Instrument ID: Agilent 5975C MSD Instrument #339 Date: 10/14/14 Archived: _____ Disk ID: _____ Analyst: JLB

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu		Temp.	Rate	Time	Total	New Column Date: 10-13-14
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	GC	(C)	(C/min)	(min)	(min)	New Septa: Yes / (No)
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #1	45	0.0	1.5	1.5	Working Standard:
Source Temperature: 230C			Step #2	200	10	0	17.0	Internal Standard: 4060217
Transfer Line Temperature: 280C			Step #3	315	25	5	26.6	Tune Standard: 4090840
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198:
ELEMENT Sequence:		Curve Date: 10/4/14	Clipped Column / Changed Liner					DDT Breakdown: 1.28

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft1014b		0743			DFTPP	8270D	pass
10bna1014		0802			bna		4091394
10ab1014		0834			abe		4090525
blk1014		0904			bna		
1410563-ms1		0937					
1409449-11		—					slow m not used
1409479-05re2		—	10x				100/1000uL

004712

TRIMATRIX LABORATORIES

Col. 4090677

Instrument ID: Agilent 5975C MSD Instrument #339	Date: 10/14/14 md	Archived: _____	Disk ID: _____	Analyst: JB

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu		Temp.	Rate	Time	Total	New Column Date: 10-13-14
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	GC	(C)	(C/min)	(min)	(min)	New Septa: Yes / (No)
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #1	45	0.0	1.5	1.5	Working Standard:
Source Temperature: 230C			Step #2	200	10	0	17.0	Internal Standard: 4060217
Transfer Line Temperature: 280C			Step #3	315	25	5	26.6	Tune Standard: 4090840
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198:
ELEMENT Sequence:		Curve Date: 10/14/14	Clipped Column / Changed Liner					DDT Breakdown: 1.67

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft1014b		1318			DFTPP	8270D	fam
10bna1014		1335			bna		4091394
10ab1014		1408			abe		4090525
b1141014		1438			bna		
1409479-05re2 10X		1511	10X				IS & mC 20X 100/1000µL
1410014-06 2X		1543	2X				500/1000µL
1409479-05re2 20X		1615	20X				50/1000µL
1409479 05 20X		1647	↓				↓
1409499-02 2X		1719	2X				500/1000µL
1409 499 04 2X		1752	↓				↓
1409479-08 10X		1824	10X				100/1000µL
↓ 14 10X		1856	↓		↓		↓

004713

TRIMATRIX LABORATORIES

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
1409499-1		1928			bnq	8270D	perylene ist m @ 2x
1406014-08 5x		2001	5x				ist m
-01 5x		2033	↓				not used 200/1000µL
1409479-17 20x		2105	20x				ist m @ 40x not used 50/1000µL
1406014-05 5x		2137	5x				ist m not used 200/1000µL
1409499-05 5x		2209	↓				↓ ↓ ↓
↓ -03 5x		2241	↓				per rerun ok used
1409479-05re2		2313					chrys/per low

004714

TRIMATRIX LABORATORIES

col 4090677

Instrument ID: Agilent 5975C MSD Instrument #339 Date: 10/17/14 Archived: _____ Disk ID: _____ Analyst: JLB

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu		Temp.	Rate	Time	Total	New Column Date: 10-13-14
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	GC	(C)	(C/min)	(min)	(min)	New Septa: Yes / No JLB 10/17/14
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #1	45	0.0	1.5	1.5	Working Standard:
Source Temperature: 230C			Step #2	200	10	0	17.0	Internal Standard: 4060217
Transfer Line Temperature: 280C			Step #3	315	25	5	26.6	Tune Standard: 4090840
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198:
ELEMENT Sequence:		Curve Date: 10/4/14	Clipped Column / Changed Liner					DDT Breakdown:

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft1017 b		0750			DFTPP	8270D	pass
10bna1017		0807			bna		4091394
10ab1017		0840			abe		4090525
1410563-b1k2		0909			bnq		
-bs2		0941					rr - pnisinjected.
1409499-11 2x		1034	2x				500/1000µL
1232 1ppm		1106					
1410014-08 10x		1136	10x				need 20x -bbp 100/1000µL
1409479-17 40x		1208	40x				25/1000µL
1410014-05 10x		1240	10x				100/1000µL
1409499-05 10x		1313					
1409499-03 10x		1346					

1410014-08 20x JLB 10/17/14

004715

TRIMATRIX LABORATORIES

4100685
COL. 4090677 - 10/28/14

Instrument ID: Agilent 5975C MSD Instrument #339 Date: 10/20/14 mf Archived: _____ Disk ID: _____ Analyst: JH

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu		Temp.	Rate	Time	Total	New Column Date: 10-20-14
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	GC	(C)	(C/min)	(min)	(min)	New Septa: Yes / (No)
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #1	45	0.0	1.5	1.5	Working Standard:
Source Temperature: 230C			Step #2	200	10	0	17.0	Internal Standard: 4060217
Transfer Line Temperature: 280C			Step #3	315	25	5	26.6	Tune Standard: 4090810
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198:
ELEMENT Sequence:		Curve Date: 10/4/14	Clipped Column / Changed Liner					DDT Breakdown: 3.6%

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft10209		1723			DFTPP	8270D	pass
10bna1020b		1741			BNA		4091394
10ab1020		1813			ABE		4090525
141092016 1K1		1845			BNA		
-bs1		1917					
563-bs2		1949					
14/10014-08 · 20x		2022	20x				50/1000mL
1 -08rc2 20x		2054	↓				↓
141002S-03		2126					
4		2158					
1		2230					
7		2302			↓	↓	

004716

TRIMATRIX LABORATORIES

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
1410085-02		2334			bna	8270D	need 2x bis2ehp
4		0005					per. low run at 2x
5		0037					
6		0110					
1410025-02		0142					
5		0214					
6		0246					
1410014-08re2		0318					per. low
hex1010		0357					r

523

004717

TRIMATRIX LABORATORIES

col. 41006685

Instrument ID: Agilent 5975C MSD Instrument #339 Date: 10/21/14 Archived: _____ Disk ID: _____ Analyst: JWB

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu		Temp.	Rate	Time	Total	New Column Date: 10-2014
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	GC	(C)	(C/min)	(min)	(min)	New Septa: Yes / (No)
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #1	45	0.0	1.5	1.5	Working Standard:
Source Temperature: 230C			Step #2	200	10	0	17.0	Internal Standard: 4060217
Transfer Line Temperature: 280C			Step #3	315	25	5	26.6	Tune Standard: 4090840
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198: 1287449
ELEMENT Sequence:		Curve Date: 10/4/14	Clipped Column / (Changed Liner)					DDT Breakdown: 2.39

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft1021c		1233			DFTPP	8270D/C	pass
10c1021		1252			bna		4091394
10ab1021b		1324			abe		4090525
1411222-b1K1		1391			bna		
1410842-b1K1		1426					
1411222-bs1		1459					
1410842-bs1		1531					
1410025-02 SX		1603	SX				200/1000mL
-05 SX		1635					
-06 SX		1708					
1410085-03		1740					
1410178-02		1812					

004718

TRIMATRIX LABORATORIES

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
1410085-02 2x		1844	2x		bna	8270D	500/1000µL
-04 2x		1916					
-05 2x		1949					
-06 2x		2021					
1410085-09		2053					
-08 2x		2125	2x				not needed 500/1000µL
-01 5x		2157	5x				not used. fluoran ↑ need 10x 200/1000µL
-08		2229					
-01		2302					per. low
hex 10D		2334					

004719

TRIMATRIX LABORATORIES

COI 4/1006855

Instrument ID: Agilent 5975C MSD Instrument #339 Date: 10/22/14 Archived: _____ Disk ID: _____ Analyst: JW

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu	GC	Temp. (C)	Rate (C/min)	Time (min)	Total (min)	New Column Date: 10-2014
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	Step #1	45	0.0	1.5	1.5	New Septa: Yes / (No)
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #2	200	10	0	17.0	Working Standard:
Source Temperature: 230C			Step #3	315	25	5	26.6	Internal Standard: 4060217
Transfer Line Temperature: 280C								Tune Standard: 4090840
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198:
ELEMENT Sequence:		Curve Date: 10/14/14 9/22/14 app9	Clipped Column / Changed Liner					DDT Breakdown:

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft1022a		0805			DFTPP	8270C/D	pass
10bna1022		0822			bna		
10ab1022		0854			abe		
10appix1022		0924			appix		3-methylchol only
1411222-blk1		0951			bna		
1411302-blk1		1026					
1411640-blk1		1058					
1411222-bs1		1130					
1411302-bs1		1203					
1411640-bs1		1235					
1410085-01 10X		1307	10X				
1410025-06re2	5x	1340	5x				100/1000mL
							200/1000mL

TRIMATRIX LABORATORIES

SECTION - E

INORGANIC – WET CHEMISTRY

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TriMatrix Laboratories, Inc.

AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

SDG: 50094-12

USEPA-3550C

SAMPLE ID SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY

Client Sample Id:	Lab Sample Id:
GA-TU15SB27-22	1409384-02
GA-TU15SB27-45	1409384-03
GA-TU15SB28-15	1409384-05
GA-TU15SB25-27	1409384-06
GA-TU15SB25-45	1409384-07
GA-TU15SB26-10	1409384-09
GA-TU14SB16-12	1409422-01
GA-TU14SB16-35	1409422-02
GA-TU14SB15-13	1409422-03
GA-TU14SB17-21	1409422-04
GA-TU14SB17-34	1409422-05
GA-TU14SB19-35	1409422-06
GA-TU14SB15-35	1409422-07
GA-TU14SB15-35DUP	1409422-08
GA-TU14SB19-16	1409422-09
GA-TU14SB18-35	1409422-10
GA-TU14SB18-05	1409422-11
GA-TU14SB23-25	1409444-03
GA-TU14SB23-33	1409444-04
GA-TU14SB24-07	1409444-05
GA-TU14SB24-33	1409444-06
GA-TU14SB21-5	1409444-07
GA-TU14SB21-33	1409444-08
GA-TU14SB22-26	1409444-09
GA-TU14SB22-33	1409444-10
GA-TU14SB20-5	1409444-11
GA-TU14SB20-33	1409444-12
GA-TU13SB01-08	1409479-01
GA-TU13SB01-32	1409479-02
GA-TU13SB02-14	1409479-03
GA-TU13SB02-33	1409479-04
GA-TU13SB04-07	1409479-05
GA-TU13SB04-33	1409479-06
GA-TU13SB03-12	1409479-08
GA-TU13SB06-14	1409479-12
GA-TU13SB06-33	1409479-13
GA-TU13SB07-08	1409479-14
GA-TU13SB07-33	1409479-15
GA-TU13SB03-33	1409479-16
GA-TU13SB05-12	1409479-17
GA-TU13SB05-33	1409479-18

SAMPLE ID SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY

Client Sample Id:	Lab Sample Id:
GA-TU16SB30-08	1409499-02
GA-TU16SB31-08	1409499-03
GA-TU16SB32-17	1409499-04
GA-TU16SB33-10	1409499-05
GA-TU16SB29-15	1409499-08
GA-TU16SB29-15DUP	1409499-09
GA-TU16SB29-44	1409499-10
GA-TU16SB29-44DUP	1409499-11
GA-TU13SB8-15	1410014-01
GA-TU13SB8-34	1410014-02
GA-TU13SB9-20	1410014-03
GA-TU13SB9-34	1410014-04
GA-TU13SB10-15	1410014-05
GA-TU13SB10-34	1410014-06
GA-TU13SB11-20	1410014-07
GA-TU13SB11-34	1410014-08
GA-TU13SB12-15	1410025-01
GA-TU13SB12-34	1410025-02
GA-TU13SB13-20	1410025-03
GA-TU13SB13-34	1410025-04
GA-TU13SB14-15	1410025-05
GA-TU13SB14-34	1410025-06
GA-TU13SB14-34DUP	1410025-07
GA-TU17SB34-15	1410085-01
GA-TU17SB34-37	1410085-02
GA-TU17SB35-15	1410085-04
GA-TU17SB36-20	1410085-05
GA-TU17SB38-15	1410085-06
GA-TU017SB34-37DUP	1410085-08
GA-TU017SB38-15DUP	1410085-09

TRIMATRIX LABORATORIES

SECTION - E

SAMPLE RESULT SUMMARIES

USEPA-3550C

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU15SB27-22

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/22/14 10:30
Solids: 98.06
QC Batch: 1410052

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409384-02
Prepared: 09/24/14 08:50
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		09/24/14 14:30

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU15SB27-45

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/22/14 11:20
Solids: 88.33
QC Batch: 1410052

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409384-03
Prepared: 09/24/14 08:50
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	88	%			0.1		09/24/14 14:30

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU15SB28-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/22/14 13:15
Solids: 97.56
QC Batch: 1410052

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409384-05
Prepared: 09/24/14 08:50
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		09/24/14 14:30

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU15SB25-27

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/22/14 14:20
Solids: 97.24
QC Batch: 1410052

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409384-06
Prepared: 09/24/14 08:50
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		09/24/14 14:30

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU15SB25-45

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/22/14 14:25
Solids: 89.20
QC Batch: 1410052

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409384-07
Prepared: 09/24/14 08:50
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	89	%			0.1		09/24/14 14:30

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU15SB26-10

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/22/14 15:10
Solids: 96.42
QC Batch: 1410052

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409384-09
Prepared: 09/24/14 08:50
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	96	%			0.1		09/24/14 14:30

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB16-12

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/23/14 11:00
Solids: 95.20
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409422-01
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	95	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB16-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/23/14 11:20
Solids: 96.80
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409422-02
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB15-13

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/23/14 09:10
Solids: 97.34
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409422-03
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB17-21

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/23/14 12:40
Solids: 97.99
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409422-04
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB17-34

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/23/14 13:00
Solids: 97.75
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409422-05
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB19-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/23/14 14:55
Solids: 97.10
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409422-06
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/23/14 10:00
Solids: 95.97
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409422-07
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	96	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB15-35DUP

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/23/14 10:00
Solids: 97.60
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409422-08
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB19-16

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/23/14 14:35
Solids: 95.20
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409422-09
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	95	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB18-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/23/14 14:05
Solids: 96.66
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409422-10
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB18-05

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/23/14 13:30
Solids: 94.10
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409422-11
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	94	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB23-25

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/24/14 12:45
Solids: 96.74
QC Batch: 1410450

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409444-03
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB23-33

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/24/14 13:05
Solids: 97.55
QC Batch: 1410450

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409444-04
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB24-07

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/24/14 13:15
Solids: 94.75
QC Batch: 1410450

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409444-05
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	95	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB24-33

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/24/14 13:55
Solids: 96.70
QC Batch: 1410450

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409444-06
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB21-5

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/24/14 10:00
Solids: 96.54
QC Batch: 1410450

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409444-07
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB21-33

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/24/14 10:40
Solids: 96.86
QC Batch: 1410450

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409444-08
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB22-26

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/24/14 11:25
Solids: 96.78
QC Batch: 1410450

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409444-09
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550C

GA-TU14SB22-33

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/24/14 11:35
Solids: 95.47
QC Batch: 1410450

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409444-10
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	95	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB20-5

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/24/14 08:35
Solids: 96.98
QC Batch: 1410450

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409444-11
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU14SB20-33

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/24/14 09:10
Solids: 97.39
QC Batch: 1410450

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409444-12
Prepared: 09/30/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		09/30/14 14:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550C

GA-TU13SB01-08

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 09:00
Solids: 96.08
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-01
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	96	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB01-32

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 09:20
Solids: 96.96
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-02
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB02-14

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 09:45
Solids: 95.28
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-03
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	95	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB02-33

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 10:00
Solids: 97.54
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-04
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB04-07

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 10:50
Solids: 96.85
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-05
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB04-33

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 11:10
Solids: 94.38
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-06
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	94	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB03-12

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 11:30
Solids: 97.30
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-08
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB06-14

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 14:05
Solids: 92.50
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-12
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	92	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET
USEPA-3550C

GA-TU13SB06-33

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 14:20
Solids: 97.70
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-13
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB07-08

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 14:40
Solids: 95.75
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-14
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	96	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB07-33

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 15:15
Solids: 97.44
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-15
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB03-33

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 11:55
Solids: 97.82
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-16
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB05-12

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 12:40
Solids: 97.17
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-17
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB05-33

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/25/14 13:05
Solids: 97.75
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409479-18
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU16SB30-08

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/26/14 11:45
Solids: 91.67
QC Batch: 1410596

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409499-02
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	92	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU16SB31-08

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/26/14 12:05
Solids: 96.24
QC Batch: 1410596

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409499-03
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	96	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU16SB32-17

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/26/14 12:50
Solids: 96.60
QC Batch: 1410596

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409499-04
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU16SB33-10

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/26/14 13:00
Solids: 90.49
QC Batch: 1410596

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409499-05
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	90	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/26/14 09:30
Solids: 96.65
QC Batch: 1410596

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409499-08
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU16SB29-15DUP

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/26/14 09:30
Solids: 95.47
QC Batch: 1410596

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409499-09
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	95	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU16SB29-44

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/26/14 10:20
Solids: 95.72
QC Batch: 1410596

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409499-10
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	96	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU16SB29-44DUP

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/26/14 10:20
Solids: 96.98
QC Batch: 1410596

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1409499-11
Prepared: 10/02/14 10:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/02/14 15:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB8-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/29/14 09:20
Solids: 95.37
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410014-01
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	95	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB8-34

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/29/14 09:41
Solids: 97.76
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410014-02
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB9-20

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/29/14 11:11
Solids: 97.69
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410014-03
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB9-34

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/29/14 11:26
Solids: 97.48
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410014-04
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB10-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/29/14 13:13
Solids: 93.27
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410014-05
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	93	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB10-34

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/29/14 13:37
Solids: 98.08
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410014-06
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB11-20

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/29/14 14:19
Solids: 97.59
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410014-07
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB11-34

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/29/14 14:36
Solids: 97.02
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410014-08
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB12-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/30/14 09:14
Solids: 96.14
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410025-01
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	96	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB12-34

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/30/14 09:41
Solids: 96.61
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410025-02
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB13-20

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/30/14 10:34
Solids: 98.00
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410025-03
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB13-34

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/30/14 10:57
Solids: 97.63
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410025-04
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET
USEPA-3550C

GA-TU13SB14-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/30/14 12:59
Solids: 96.42
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410025-05
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	96	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB14-34

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/30/14 13:21
Solids: 97.76
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410025-06
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU13SB14-34DUP

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 09/30/14 00:00
Solids: 96.13
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410025-07
Prepared: 10/03/14 08:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	96	%			0.1		10/03/14 11:15

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU17SB34-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 10/01/14 09:10
Solids: 95.99
QC Batch: 1410833

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410085-01
Prepared: 10/07/14 10:00
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	96	%			0.1		10/07/14 15:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU17SB34-37

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 10/01/14 09:36
Solids: 95.81
QC Batch: 1410833

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410085-02
Prepared: 10/07/14 10:00
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	96	%			0.1		10/07/14 15:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU17SB35-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 10/01/14 10:10
Solids: 96.56
QC Batch: 1410833

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410085-04
Prepared: 10/07/14 10:00
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/07/14 15:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU17SB36-20

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 10/01/14 11:10
Solids: 96.66
QC Batch: 1410833

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410085-05
Prepared: 10/07/14 10:00
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/07/14 15:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU17SB38-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 10/01/14 11:40
Solids: 97.71
QC Batch: 1410833

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410085-06
Prepared: 10/07/14 10:00
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/07/14 15:00

INORGANIC ANALYSIS DATA SHEET

USEPA-3550C

GA-TU017SB34-37DUP

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 10/01/14 09:36
Solids: 96.83
QC Batch: 1410833

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410085-08
Prepared: 10/07/14 10:00
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	97	%			0.1		10/07/14 15:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550C

GA-TU017SB38-15DUP

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Sampled: 10/01/14 11:40
Solids: 97.50
QC Batch: 1410833

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410085-09
Prepared: 10/07/14 10:00
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	DL	LOD	LOQ	Q	Analyzed
	Percent Solids	1	98	%			0.1		10/07/14 15:00

TRIMATRIX LABORATORIES

SECTION - E

QUALITY CONTROL (QC) SUMMARY

USEPA-3550C

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4I24006

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: UNASSIGNED

Instrument: 210

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1410052-BLK1		09/24/14 14:30
GA-TU15SB27-22	1409384-02		09/24/14 14:30
GA-TU15SB27-22	1410052-DUP1		09/24/14 14:30
GA-TU15SB27-45	1409384-03		09/24/14 14:30
GA-TU15SB28-15	1409384-05		09/24/14 14:30
GA-TU15SB25-27	1409384-06		09/24/14 14:30
GA-TU15SB25-45	1409384-07		09/24/14 14:30
GA-TU15SB26-10	1409384-09		09/24/14 14:30

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4I30033

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: UNASSIGNED

Instrument: 210

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1410448-BLK1		09/30/14 14:00
GA-TU14SB16-12	1409422-01		09/30/14 14:00
GA-TU14SB16-12	1410448-DUP1		09/30/14 14:00
GA-TU14SB16-35	1409422-02		09/30/14 14:00
GA-TU14SB15-13	1409422-03		09/30/14 14:00
GA-TU14SB17-21	1409422-04		09/30/14 14:00
GA-TU14SB17-34	1409422-05		09/30/14 14:00
GA-TU14SB19-35	1409422-06		09/30/14 14:00
GA-TU14SB15-35	1409422-07		09/30/14 14:00
GA-TU14SB15-35	1410448-DUP2		09/30/14 14:00
GA-TU14SB15-35DUP	1409422-08		09/30/14 14:00
GA-TU14SB19-16	1409422-09		09/30/14 14:00
GA-TU14SB18-35	1409422-10		09/30/14 14:00
GA-TU14SB18-05	1409422-11		09/30/14 14:00

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4I30035

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: UNASSIGNED

Instrument: 210

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1410450-BLK1		09/30/14 14:00
GA-TU14SB23-25	1409444-03		09/30/14 14:00
GA-TU14SB23-25	1410450-DUP1		09/30/14 14:00
GA-TU14SB23-33	1409444-04		09/30/14 14:00
GA-TU14SB24-07	1409444-05		09/30/14 14:00
GA-TU14SB24-33	1409444-06		09/30/14 14:00
GA-TU14SB21-5	1409444-07		09/30/14 14:00
GA-TU14SB21-33	1409444-08		09/30/14 14:00
GA-TU14SB22-26	1409444-09		09/30/14 14:00
GA-TU14SB22-33	1409444-10		09/30/14 14:00
GA-TU14SB20-5	1409444-11		09/30/14 14:00
GA-TU14SB20-33	1409444-12		09/30/14 14:00

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Sequence: 4J02024

SDG: 50094-12
Project: Gabreski ANGB, NY
Calibration: UNASSIGNED
Instrument: 210

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1410589-BLK1		10/02/14 15:15
GA-TU13SB01-08	1409479-01		10/02/14 15:15
GA-TU13SB01-08	1410589-DUP1		10/02/14 15:15
GA-TU13SB01-32	1409479-02		10/02/14 15:15
GA-TU13SB02-14	1409479-03		10/02/14 15:15
GA-TU13SB02-33	1409479-04		10/02/14 15:15
GA-TU13SB04-07	1409479-05		10/02/14 15:15
GA-TU13SB04-33	1409479-06		10/02/14 15:15
GA-TU13SB03-12	1409479-08		10/02/14 15:15
GA-TU13SB06-14	1409479-12		10/02/14 15:15
GA-TU13SB06-14	1410589-DUP2		10/02/14 15:15
GA-TU13SB06-33	1409479-13		10/02/14 15:15
GA-TU13SB07-08	1409479-14		10/02/14 15:15
GA-TU13SB07-33	1409479-15		10/02/14 15:15
GA-TU13SB03-33	1409479-16		10/02/14 15:15
GA-TU13SB05-12	1409479-17		10/02/14 15:15
GA-TU13SB05-33	1409479-18		10/02/14 15:15

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J02034

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: UNASSIGNED

Instrument: 210

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1410596-BLK1		10/02/14 15:15
GA-TU16SB30-08	1409499-02		10/02/14 15:15
GA-TU16SB31-08	1409499-03		10/02/14 15:15
GA-TU16SB32-17	1409499-04		10/02/14 15:15
GA-TU16SB33-10	1409499-05		10/02/14 15:15
GA-TU16SB29-15	1409499-08		10/02/14 15:15
GA-TU16SB29-15	1410596-DUP1		10/02/14 15:15
GA-TU16SB29-15DUP	1409499-09		10/02/14 15:15
GA-TU16SB29-44	1409499-10		10/02/14 15:15
GA-TU16SB29-44DUP	1409499-11		10/02/14 15:15

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J03012

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: UNASSIGNED

Instrument: 210

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1410647-BLK1		10/03/14 11:15
GA-TU13SB8-15	1410014-01		10/03/14 11:15
GA-TU13SB8-15	1410647-DUP1		10/03/14 11:15
GA-TU13SB8-34	1410014-02		10/03/14 11:15
GA-TU13SB9-20	1410014-03		10/03/14 11:15
GA-TU13SB9-34	1410014-04		10/03/14 11:15
GA-TU13SB10-15	1410014-05		10/03/14 11:15
GA-TU13SB10-34	1410014-06		10/03/14 11:15
GA-TU13SB11-20	1410014-07		10/03/14 11:15
GA-TU13SB11-34	1410014-08		10/03/14 11:15
GA-TU13SB12-15	1410025-01		10/03/14 11:15
GA-TU13SB12-15	1410647-DUP2		10/03/14 11:15
GA-TU13SB12-34	1410025-02		10/03/14 11:15
GA-TU13SB13-20	1410025-03		10/03/14 11:15
GA-TU13SB13-34	1410025-04		10/03/14 11:15
GA-TU13SB14-15	1410025-05		10/03/14 11:15
GA-TU13SB14-34	1410025-06		10/03/14 11:15
GA-TU13SB14-34DUP	1410025-07		10/03/14 11:15

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

Client: AECOM - Alexandria, VA

Sequence: 4J07036

SDG: 50094-12

Project: Gabreski ANGB, NY

Calibration: UNASSIGNED

Instrument: 210

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1410833-BLK1		10/07/14 15:00
GA-TU17SB34-15	1410085-01		10/07/14 15:00
GA-TU17SB34-15	1410833-DUP1		10/07/14 15:00
GA-TU17SB34-37	1410085-02		10/07/14 15:00
GA-TU17SB35-15	1410085-04		10/07/14 15:00
GA-TU17SB36-20	1410085-05		10/07/14 15:00
GA-TU17SB38-15	1410085-06		10/07/14 15:00
GA-TU017SB34-37DUP	1410085-08		10/07/14 15:00
GA-TU017SB38-15DUP	1410085-09		10/07/14 15:00

QC BATCH SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410052 QC Batch Matrix: Soil

Preparation: General Inorganic Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU15SB27-22	1409384-02	09/24/14 08:50	
GA-TU15SB27-45	1409384-03	09/24/14 08:50	
GA-TU15SB28-15	1409384-05	09/24/14 08:50	
GA-TU15SB25-27	1409384-06	09/24/14 08:50	
GA-TU15SB25-45	1409384-07	09/24/14 08:50	
GA-TU15SB26-10	1409384-09	09/24/14 08:50	
Blank	1410052-BLK1	09/24/14 08:50	
GA-TU15SB27-22	1410052-DUP1	09/24/14 08:50	

QC BATCH SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410448 QC Batch Matrix: Soil

Preparation: General Inorganic Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU14SB16-12	1409422-01	09/30/14 10:30	
GA-TU14SB16-35	1409422-02	09/30/14 10:30	
GA-TU14SB15-13	1409422-03	09/30/14 10:30	
GA-TU14SB17-21	1409422-04	09/30/14 10:30	
GA-TU14SB17-34	1409422-05	09/30/14 10:30	
GA-TU14SB19-35	1409422-06	09/30/14 10:30	
GA-TU14SB15-35	1409422-07	09/30/14 10:30	
GA-TU14SB15-35DUP	1409422-08	09/30/14 10:30	
GA-TU14SB19-16	1409422-09	09/30/14 10:30	
GA-TU14SB18-35	1409422-10	09/30/14 10:30	
GA-TU14SB18-05	1409422-11	09/30/14 10:30	
Blank	1410448-BLK1	09/30/14 10:30	
GA-TU14SB16-12	1410448-DUP1	09/30/14 10:30	
GA-TU14SB15-35	1410448-DUP2	09/30/14 10:30	

QC BATCH SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410450 QC Batch Matrix: Soil

Preparation: General Inorganic Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU14SB23-25	1409444-03	09/30/14 10:30	
GA-TU14SB23-33	1409444-04	09/30/14 10:30	
GA-TU14SB24-07	1409444-05	09/30/14 10:30	
GA-TU14SB24-33	1409444-06	09/30/14 10:30	
GA-TU14SB21-5	1409444-07	09/30/14 10:30	
GA-TU14SB21-33	1409444-08	09/30/14 10:30	
GA-TU14SB22-26	1409444-09	09/30/14 10:30	
GA-TU14SB22-33	1409444-10	09/30/14 10:30	
GA-TU14SB20-5	1409444-11	09/30/14 10:30	
GA-TU14SB20-33	1409444-12	09/30/14 10:30	
Blank	1410450-BLK1	09/30/14 10:30	
GA-TU14SB23-25	1410450-DUP1	09/30/14 10:30	

QC BATCH SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410589 QC Batch Matrix: Soil

Preparation: General Inorganic Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU13SB01-08	1409479-01	10/02/14 10:30	
GA-TU13SB01-32	1409479-02	10/02/14 10:30	
GA-TU13SB02-14	1409479-03	10/02/14 10:30	
GA-TU13SB02-33	1409479-04	10/02/14 10:30	
GA-TU13SB04-07	1409479-05	10/02/14 10:30	
GA-TU13SB04-33	1409479-06	10/02/14 10:30	
GA-TU13SB03-12	1409479-08	10/02/14 10:30	
GA-TU13SB06-14	1409479-12	10/02/14 10:30	
GA-TU13SB06-33	1409479-13	10/02/14 10:30	
GA-TU13SB07-08	1409479-14	10/02/14 10:30	
GA-TU13SB07-33	1409479-15	10/02/14 10:30	
GA-TU13SB03-33	1409479-16	10/02/14 10:30	
GA-TU13SB05-12	1409479-17	10/02/14 10:30	
GA-TU13SB05-33	1409479-18	10/02/14 10:30	
Blank	1410589-BLK1	10/02/14 10:30	
GA-TU13SB01-08	1410589-DUP1	10/02/14 10:30	
GA-TU13SB06-14	1410589-DUP2	10/02/14 10:30	

QC BATCH SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410596 QC Batch Matrix: Soil

Preparation: General Inorganic Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU16SB30-08	1409499-02	10/02/14 10:30	
GA-TU16SB31-08	1409499-03	10/02/14 10:30	
GA-TU16SB32-17	1409499-04	10/02/14 10:30	
GA-TU16SB33-10	1409499-05	10/02/14 10:30	
GA-TU16SB29-15	1409499-08	10/02/14 10:30	
GA-TU16SB29-15DUP	1409499-09	10/02/14 10:30	
GA-TU16SB29-44	1409499-10	10/02/14 10:30	
GA-TU16SB29-44DUP	1409499-11	10/02/14 10:30	
Blank	1410596-BLK1	10/02/14 10:30	
GA-TU16SB29-15	1410596-DUP1	10/02/14 10:30	

QC BATCH SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410647 QC Batch Matrix: Soil

Preparation: General Inorganic Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU13SB8-15	1410014-01	10/03/14 08:30	
GA-TU13SB8-34	1410014-02	10/03/14 08:30	
GA-TU13SB9-20	1410014-03	10/03/14 08:30	
GA-TU13SB9-34	1410014-04	10/03/14 08:30	
GA-TU13SB10-15	1410014-05	10/03/14 08:30	
GA-TU13SB10-34	1410014-06	10/03/14 08:30	
GA-TU13SB11-20	1410014-07	10/03/14 08:30	
GA-TU13SB11-34	1410014-08	10/03/14 08:30	
GA-TU13SB12-15	1410025-01	10/03/14 08:30	
GA-TU13SB12-34	1410025-02	10/03/14 08:30	
GA-TU13SB13-20	1410025-03	10/03/14 08:30	
GA-TU13SB13-34	1410025-04	10/03/14 08:30	
GA-TU13SB14-15	1410025-05	10/03/14 08:30	
GA-TU13SB14-34	1410025-06	10/03/14 08:30	
GA-TU13SB14-34DUP	1410025-07	10/03/14 08:30	
Blank	1410647-BLK1	10/03/14 08:30	
GA-TU13SB8-15	1410647-DUP1	10/03/14 08:30	
GA-TU13SB12-15	1410647-DUP2	10/03/14 08:30	

QC BATCH SUMMARY

USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

QC Batch: 1410833 QC Batch Matrix: Soil

Preparation: General Inorganic Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
GA-TU17SB34-15	1410085-01	10/07/14 10:00	
GA-TU17SB34-37	1410085-02	10/07/14 10:00	
GA-TU17SB35-15	1410085-04	10/07/14 10:00	
GA-TU17SB36-20	1410085-05	10/07/14 10:00	
GA-TU17SB38-15	1410085-06	10/07/14 10:00	
GA-TU017SB34-37DUP	1410085-08	10/07/14 10:00	
GA-TU017SB38-15DUP	1410085-09	10/07/14 10:00	
Blank	1410833-BLK1	10/07/14 10:00	
GA-TU17SB34-15	1410833-DUP1	10/07/14 10:00	

METHOD BLANK DATA SHEET
USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410052-BLK1
File ID:
Prepared: 09/24/14 08:50
Analyzed: 09/24/14 14:30
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL
QC Batch: 1410052
Sequence: 4I24006
Calibration: UNASSIGNE
Instrument: 210

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
	Percent Solids	0.1	%			0.1	

METHOD BLANK DATA SHEET
USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410448-BLK1 File ID:

Prepared: 09/30/14 10:30 Analyzed: 09/30/14 14:00

Preparation: General Inorganic Prep Initial/Final: 10 grams / 10 mL

QC Batch: 1410448 Sequence: 4I30033 Calibration: UNASSIGNE Instrument: 210

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
	Percent Solids	0.1	%			0.1	

METHOD BLANK DATA SHEET
USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc. SDG: 50094-12

Client: AECOM - Alexandria, VA Project: Gabreski ANGB, NY

Matrix: Soil Laboratory ID: 1410450-BLK1 File ID:

Prepared: 09/30/14 10:30 Analyzed: 09/30/14 14:00

Preparation: General Inorganic Prep Initial/Final: 10 grams / 10 mL

QC Batch: 1410450 Sequence: 4I30035 Calibration: UNASSIGNE Instrument: 210

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
	Percent Solids	0.1	%			0.1	

METHOD BLANK DATA SHEET
USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410589-BLK1
File ID:
Prepared: 10/02/14 10:30
Analyzed: 10/02/14 15:15
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL
QC Batch: 1410589
Sequence: 4J02024
Calibration: UNASSIGNE
Instrument: 210

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
	Percent Solids	0.1	%			0.1	

METHOD BLANK DATA SHEET
USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410596-BLK1
File ID:
Prepared: 10/02/14 10:30
Analyzed: 10/02/14 15:15
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL
QC Batch: 1410596
Sequence: 4J02034
Calibration: UNASSIGNE
Instrument: 210

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
	Percent Solids	0.1	%			0.1	

METHOD BLANK DATA SHEET
USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410647-BLK1
File ID:
Prepared: 10/03/14 08:30
Analyzed: 10/03/14 11:15
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL
QC Batch: 1410647
Sequence: 4J03012
Calibration: UNASSIGNE
Instrument: 210

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
	Percent Solids	0.1	%			0.1	

METHOD BLANK DATA SHEET
USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Matrix: Soil
Laboratory ID: 1410833-BLK1
File ID:
Prepared: 10/07/14 10:00
Analyzed: 10/07/14 15:00
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL
QC Batch: 1410833
Sequence: 4J07036
Calibration: UNASSIGNE
Instrument: 210

CAS No.	Analyte	Concentration	Unit	DL	LOD	LOQ	Q
	Percent Solids	0.1	%			0.1	

DUPLICATES
USEPA-3550C

GA-TU15SB27-22

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Lab Source ID: 1409384-02
% Solids: 98.06
QC Batch: 1410052

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410052-DUP1
Source Sample Name: GA-TU15SB27-22
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	5	98		98		0.09		USEPA-3550C	%

* Values outside of QC limits

DUPLICATES
USEPA-3550C

GA-TU14SB16-12

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Lab Source ID: 1409422-01
% Solids: 95.20
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410448-DUP1
Source Sample Name: GA-TU14SB16-12
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	5	95		95		0.1		USEPA-3550C	%

* Values outside of QC limits

DUPLICATES
USEPA-3550C

GA-TU14SB15-35

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Lab Source ID: 1409422-07
% Solids: 95.97
QC Batch: 1410448

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410448-DUP2
Source Sample Name: GA-TU14SB15-35
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	5	96		97		1		USEPA-3550C	%

* Values outside of QC limits

DUPLICATES
USEPA-3550C

GA-TU14SB23-25

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Lab Source ID: 1409444-03
% Solids: 96.74
QC Batch: 1410450

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410450-DUP1
Source Sample Name: GA-TU14SB23-25
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	5	97		97		0.03		USEPA-3550C	%

* Values outside of QC limits

DUPLICATES
USEPA-3550C

GA-TU13SB01-08

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Lab Source ID: 1409479-01
% Solids: 96.08
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410589-DUP1
Source Sample Name: GA-TU13SB01-08
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	5	96		96		0.1		USEPA-3550C	%

* Values outside of QC limits

DUPLICATES
USEPA-3550C

GA-TU13SB06-14

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Lab Source ID: 1409479-12
% Solids: 92.50
QC Batch: 1410589

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410589-DUP2
Source Sample Name: GA-TU13SB06-14
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	5	92		90		2		USEPA-3550C	%

* Values outside of QC limits

DUPLICATES
USEPA-3550C

GA-TU16SB29-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Lab Source ID: 1409499-08
% Solids: 96.65
QC Batch: 1410596

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410596-DUP1
Source Sample Name: GA-TU16SB29-15
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	5	97		97		0.3		USEPA-3550C	%

* Values outside of QC limits

DUPLICATES
USEPA-3550C

GA-TU13SB8-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Lab Source ID: 1410014-01
% Solids: 95.37
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410647-DUP1
Source Sample Name: GA-TU13SB8-15
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	5	95		95		0.09		USEPA-3550C	%

* Values outside of QC limits

DUPLICATES
USEPA-3550C

GA-TU13SB12-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Lab Source ID: 1410025-01
% Solids: 96.14
QC Batch: 1410647

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410647-DUP2
Source Sample Name: GA-TU13SB12-15
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	5	96		96		0.4		USEPA-3550C	%

* Values outside of QC limits

DUPLICATES
USEPA-3550C

GA-TU17SB34-15

Laboratory: TriMatrix Laboratories, Inc.
Client: AECOM - Alexandria, VA
Matrix: Soil
Lab Source ID: 1410085-01
% Solids: 95.99
QC Batch: 1410833

SDG: 50094-12
Project: Gabreski ANGB, NY
Laboratory ID: 1410833-DUP1
Source Sample Name: GA-TU17SB34-15
Preparation: General Inorganic Prep
Initial/Final: 10 grams / 10 mL

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	5	96		96		0.08		USEPA-3550C	%

* Values outside of QC limits

HOLDING TIME SUMMARY
USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Analyte: Percent Solids

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU15SB27-22	09/22/14	09/23/14		09/24/14	2	NA	09/24/14	2	14	
GA-TU15SB27-45	09/22/14	09/23/14		09/24/14	2	NA	09/24/14	2	14	
GA-TU15SB28-15	09/22/14	09/23/14		09/24/14	2	NA	09/24/14	2	14	
GA-TU15SB25-27	09/22/14	09/23/14		09/24/14	2	NA	09/24/14	2	14	
GA-TU15SB25-45	09/22/14	09/23/14		09/24/14	2	NA	09/24/14	2	14	
GA-TU15SB26-10	09/22/14	09/23/14		09/24/14	2	NA	09/24/14	2	14	
GA-TU14SB16-12	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB16-35	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB15-13	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB17-21	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB17-34	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB19-35	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB15-35	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB15-35DUP	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB19-16	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB18-35	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB18-05	09/23/14	09/24/14		09/30/14	7	NA	09/30/14	7	14	
GA-TU14SB23-25	09/24/14	09/25/14		09/30/14	6	NA	09/30/14	6	14	
GA-TU14SB23-33	09/24/14	09/25/14		09/30/14	6	NA	09/30/14	6	14	
GA-TU14SB24-07	09/24/14	09/25/14		09/30/14	6	NA	09/30/14	6	14	
GA-TU14SB24-33	09/24/14	09/25/14		09/30/14	6	NA	09/30/14	6	14	
GA-TU14SB21-5	09/24/14	09/25/14		09/30/14	6	NA	09/30/14	6	14	

HOLDING TIME SUMMARY
USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

Analyte: Percent Solids

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU14SB21-33	09/24/14	09/25/14		09/30/14	6	NA	09/30/14	6	14	
GA-TU14SB22-26	09/24/14	09/25/14		09/30/14	6	NA	09/30/14	6	14	
GA-TU14SB22-33	09/24/14	09/25/14		09/30/14	6	NA	09/30/14	6	14	
GA-TU14SB20-5	09/24/14	09/25/14		09/30/14	6	NA	09/30/14	6	14	
GA-TU14SB20-33	09/24/14	09/25/14		09/30/14	6	NA	09/30/14	6	14	
GA-TU13SB01-08	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB01-32	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB02-14	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB02-33	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB04-07	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB04-33	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB03-12	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB06-14	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB06-33	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB07-08	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB07-33	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB03-33	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB05-12	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU13SB05-33	09/25/14	09/26/14		10/02/14	7	NA	10/02/14	7	14	
GA-TU16SB30-08	09/26/14	09/27/14		10/02/14	6	NA	10/02/14	6	14	
GA-TU16SB31-08	09/26/14	09/27/14		10/02/14	6	NA	10/02/14	6	14	
GA-TU16SB32-17	09/26/14	09/27/14		10/02/14	6	NA	10/02/14	6	14	

HOLDING TIME SUMMARY
USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.
SDG: 50094-12
Client: AECOM - Alexandria, VA
Project: Gabreski ANGB, NY
Analyte: Percent Solids

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU16SB33-10	09/26/14	09/27/14		10/02/14	6	NA	10/02/14	6	14	
GA-TU16SB29-15	09/26/14	09/27/14		10/02/14	6	NA	10/02/14	6	14	
GA-TU16SB29-15DUP	09/26/14	09/27/14		10/02/14	6	NA	10/02/14	6	14	
GA-TU16SB29-44	09/26/14	09/27/14		10/02/14	6	NA	10/02/14	6	14	
GA-TU16SB29-44DUP	09/26/14	09/27/14		10/02/14	6	NA	10/02/14	6	14	
GA-TU13SB8-15	09/29/14	09/30/14		10/03/14	4	NA	10/03/14	4	14	
GA-TU13SB8-34	09/29/14	09/30/14		10/03/14	4	NA	10/03/14	4	14	
GA-TU13SB9-20	09/29/14	09/30/14		10/03/14	4	NA	10/03/14	4	14	
GA-TU13SB9-34	09/29/14	09/30/14		10/03/14	4	NA	10/03/14	4	14	
GA-TU13SB10-15	09/29/14	09/30/14		10/03/14	4	NA	10/03/14	4	14	
GA-TU13SB10-34	09/29/14	09/30/14		10/03/14	4	NA	10/03/14	4	14	
GA-TU13SB11-20	09/29/14	09/30/14		10/03/14	4	NA	10/03/14	4	14	
GA-TU13SB11-34	09/29/14	09/30/14		10/03/14	4	NA	10/03/14	4	14	
GA-TU13SB12-15	09/30/14	10/01/14		10/03/14	3	NA	10/03/14	3	14	
GA-TU13SB12-34	09/30/14	10/01/14		10/03/14	3	NA	10/03/14	3	14	
GA-TU13SB13-20	09/30/14	10/01/14		10/03/14	3	NA	10/03/14	3	14	
GA-TU13SB13-34	09/30/14	10/01/14		10/03/14	3	NA	10/03/14	3	14	
GA-TU13SB14-15	09/30/14	10/01/14		10/03/14	3	NA	10/03/14	3	14	
GA-TU13SB14-34	09/30/14	10/01/14		10/03/14	3	NA	10/03/14	3	14	
GA-TU13SB14-34DUP	09/30/14	10/01/14		10/03/14	3	NA	10/03/14	3	14	
GA-TU17SB34-15	10/01/14	10/02/14		10/07/14	6	NA	10/07/14	6	14	
GA-TU17SB34-37	10/01/14	10/02/14		10/07/14	6	NA	10/07/14	6	14	

HOLDING TIME SUMMARY
USEPA-3550C

Laboratory: TriMatrix Laboratories, Inc.

SDG: 50094-12

Client: AECOM - Alexandria, VA

Project: Gabreski ANGB, NY

Analyte: Percent Solids

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GA-TU17SB35-15	10/01/14	10/02/14		10/07/14	6	NA	10/07/14	6	14	
GA-TU17SB36-20	10/01/14	10/02/14		10/07/14	6	NA	10/07/14	6	14	
GA-TU17SB38-15	10/01/14	10/02/14		10/07/14	6	NA	10/07/14	6	14	
GA-TU017SB34-37DUP	10/01/14	10/02/14		10/07/14	6	NA	10/07/14	6	14	
GA-TU017SB38-15DUP	10/01/14	10/02/14		10/07/14	6	NA	10/07/14	6	14	

TRIMATRIX LABORATORIES

SECTION - E

RAW DATA

USEPA-3550C

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

Inorganic - Wet Chemistry, Soil, Sep-24-14

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1410052-BLK1	QC				BLANK	
1409384-02	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1410052-DUP1	QC				DUPLICATE	
1409384-03	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1409384-05	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1409384-06	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1409384-07	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1409384-09	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1410052 Page 1 of 1

Printed: 9/24/2014 8:56:43AM

NLD 9-30-14

Inorganic - Wet Chemistry, Soil, General Inorganic Prep

(No Surrogate)

Batch Comments: (none)

Due 10/7/14

4 DOD

Standard	Description	Solvent	LotNum

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409384	Solids, Total 3550B (%)				

Balance ID: 210 **pH Meter:** none

Lab Number	*Contain*	*Prepared*	*By*	*Initial (grams)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1410052-BLK1		Sep-24-14 08:50	KLA	10	10					BLANK	
1410052-DUP1		Sep-24-14 08:50	KLA	10	10		1409384-02			DUPLICATE	
1409384-02	A	Sep-24-14 08:50	KLA	10	10					AECOM - Alexandria, VA	
1409384-03	A	Sep-24-14 08:50	KLA	10	10					AECOM - Alexandria, VA	
1409384-05	A	Sep-24-14 08:50	KLA	10	10					AECOM - Alexandria, VA	
1409384-06	A	Sep-24-14 08:50	KLA	10	10					AECOM - Alexandria, VA	
1409384-07	A	Sep-24-14 08:50	KLA	10	10					AECOM - Alexandria, VA	
1409384-09	A	Sep-24-14 08:50	KLA	10	10					AECOM - Alexandria, VA	

Comments:	Analyst Initials:

004835

Rerun Macro

TRIMATRIX LABORATORIES

TOTAL PERCENT SOLIDS

BATCH INFORMATION		ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AND APPROVAL
Sequence:	4124006	Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number: 1410052
Balance Number:	210									
Analysis Date:	09/24/14	Step #1	09/24/14	2:30PM	104	09/25/14	7:15AM	104	Blank Concentration: Less than 0.1%(w/w)	
Analyst:	KLA	Step #2								
Parameter:	Percent Solids	Step #3							MS/MSD Precision: <20%	Supervisor Approval:
Matrix:	Soil	Step #1	Evaporation to dryness @ 103-105° C (overnight) in Oven #54 or #56							
Method Reference:	Solids, Total 3550B (%)	Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units:	%	Step #3								
Default MRL:	0.1		Oven Used: 56							

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)	% moisture
1410052-BLK1		BLK1	BLK	2.2479	10	2.248		0.0		0.001	99.999
1409384-02	AECOM - Alexandria, VA	REG		2.2433	10.0799	12.1274	98			98.05752041	1.942479588
1410052-DUP1		DUP1		2.2465	10.2263	12.2832	98			98.14595699	1.854043007
1409384-03	AECOM - Alexandria, VA	REG		2.2257	10.1176	11.1629	88			88.33320155	11.66679845
1409384-05	AECOM - Alexandria, VA	REG		2.2342	10.0761	12.0647	98			97.562549	2.437450998
1409384-06	AECOM - Alexandria, VA	REG		2.2178	10.2073	12.1433	97			97.23923075	2.760769253
1409384-07	AECOM - Alexandria, VA	REG		2.2511	10.1725	11.3253	89			89.20324404	10.79675596
1409384-09	AECOM - Alexandria, VA	REG		2.2538	10.1652	12.0546	96			96.41522056	3.584779444

004836

Inorganic - Wet Chemistry, Soil, Sep-30-14

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1410448-BLK1	QC				BLANK	
1409422-01	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1410448-DUP1	QC				DUPLICATE	
1409422-02	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1409422-03	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1409422-04	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1409422-05	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1409422-06	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1409422-07	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1410448-DUP2	QC				DUPLICATE	
1409422-08	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1409422-09	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1409422-10	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	
1409422-11	Solids, Total 3550B (%)	A			AECOM - Alexandria, VA	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1410448** Page 1 of 1

Printed: 9/30/2014 10:29:17AM

Inorganic - Wet Chemistry, Soil, General Inorganic Prep

(No Surrogate)

Batch Comments: (none)

ANB 10-2-14

Due 10/8/14

4DOD

Standard	Description	Solvent	LotNum

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409422	Solids, Total 3550B (%)				

Balance ID: 210 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410448-BLK1		Sep-30-14 10:30	KLA	10	10					BLANK	
1410448-DUP1		Sep-30-14 10:30	KLA	10	10		1409422-01			DUPLICATE	
1410448-DUP2		Sep-30-14 10:30	KLA	10	10		1409422-07			DUPLICATE	
1409422-01	A	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409422-02	A	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409422-03	A	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409422-04	A	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409422-05	A	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409422-06	A	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409422-07	A	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409422-08	A	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409422-09	A	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409422-10	A	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409422-11	A	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	

Comments:	Analyst Initials:

004838

Rerun Macro

TRIMATRIX LABORATORIES

TOTAL PERCENT SOLIDS

BATCH INFORMATION		ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AND APPROVAL
Sequence: 4130033		Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number: 1410448
Balance Number: 210										
Analysis Date: 09/30/14		Step #1	09/30/14	2:00PM	104	10/01/14	9:30AM	104	Blank Concentration: Less than 0.1%(w/w)	
Analyst: KLA		Step #2								
Parameter: Percent Solids		Step #3							MS/MSD Precision: <20%	Supervisor Approval:
Matrix: Soil		Step #1	Evaporation to dryness @ 103-105° C (overnight) in Oven #54 or #56							
Method Reference: Solids, Total 3550B (%)		Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units: %		Step #3								
Default MRL: 0.1			Oven Used: 56							

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)	% moisture
1410448-BLK1		BLK1	BLK	2.2192	10	2.2187		0.0		-0.005	100.005
1409422-01	AECOM - Alexandria, VA	REG		2.2507	10.0984	11.864	95			95.19626872	4.803731284
1410448-DUP1		DUP1		2.2446	10.0704	11.8171	95			95.05580712	4.944192882
1409422-02	AECOM - Alexandria, VA	REG		2.2446	10.1333	12.0541	97			96.80459475	3.195405248
1409422-03	AECOM - Alexandria, VA	REG		2.2622	10.3811	12.367	97			97.33843234	2.661567657
1409422-04	AECOM - Alexandria, VA	REG		2.2453	10.2381	12.2779	98			97.99279163	2.007208369
1409422-05	AECOM - Alexandria, VA	REG		2.2851	10.1271	12.1845	98			97.75157745	2.248422549
1409422-06	AECOM - Alexandria, VA	REG		2.25	10.097	12.0538	97			97.09616718	2.903832822
1409422-07	AECOM - Alexandria, VA	REG		2.2668	10.1909	12.0475	96			95.9748403	4.025159701
1410448-DUP2		DUP2		2.2591	10.1342	12.1063	97		#VALUE!	97.16800537	2.831994632
1409422-08	AECOM - Alexandria, VA	REG		2.2312	10.2474	12.2324	98			97.59743935	2.40256065
1409422-09	AECOM - Alexandria, VA	REG		2.2231	10.02	11.7622	95			95.2005988	4.799401198
1409422-10	AECOM - Alexandria, VA	REG		2.2481	10.2025	12.1098	97			96.65964224	3.340357756
1409422-11	AECOM - Alexandria, VA	REG		2.2551	10.1877	11.8416	94			94.09876616	5.901233847

004839

Inorganic - Wet Chemistry, Soil, Sep-30-14

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1410450-BLK1	QC				BLANK	
1409444-03	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410450-DUP1	QC				DUPLICATE	
1409444-04	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409444-05	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409444-06	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409444-07	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409444-08	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409444-09	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409444-10	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409444-11	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409444-12	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

NLB 10-2-14

PREPARATION BATCH **1410450** Page 1 of 1

Printed: 9/30/2014 10:33:11AM

Inorganic - Wet Chemistry, Soil, General Inorganic Prep

(No Surrogate)

Batch Comments: (none) Due 10/9/14

4DOD

Standard	Description	Solvent	LotNum

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409444	Solids, Total 3550B (%)				

Balance ID: 210 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410450-BLK1		Sep-30-14 10:30	KLA	10	10					BLANK	
1410450-DUP1		Sep-30-14 10:30	KLA	10	10		1409444-03			DUPLICATE	
1409444-03	B	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409444-04	B	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409444-05	B	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409444-06	B	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409444-07	B	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409444-08	B	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409444-09	B	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409444-10	B	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409444-11	B	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409444-12	B	Sep-30-14 10:30	KLA	10	10					AECOM - Alexandria, VA	

Comments:	Analyst Initials:

Q04841

Rerun Macro

TRIMATRIX LABORATORIES

TOTAL PERCENT SOLIDS

BATCH INFORMATION		ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AND APPROVAL
Sequence: 4130035		Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number: 1410450
Balance Number: 210										
Analysis Date: 09/30/14		Step #1	09/30/14	2:00PM	104	10/01/14	9:30AM	104	Blank Concentration: Less than 0.1%(w/w)	
Analyst: KLA		Step #2								
Parameter: Percent Solids		Step #3							MS/MSD Precision: <20%	Supervisor Approval:
Matrix: Soil		Step #1	Evaporation to dryness @ 103-105° C (overnight) in Oven #54 or #56							
Method Reference: Solids, Total 3550B (%)		Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units: %		Step #3								
Default MRL: 0.1			Oven Used: 56							

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)	% moisture
1410450-BLK1		BLK1	BLK	2.2356	10	2.2358		0.0		0.002	99.998
1409444-03	AECOM - Alexandria, VA	REG		2.2306	10.1925	12.091	97			96.74172185	3.258278146
1410450-DUP1		DUP1		2.2367	10.305	12.2032	97			96.7151868	3.284813197
1409444-04	AECOM - Alexandria, VA	REG		2.2506	10.073	12.0764	98			97.54591482	2.454085178
1409444-05	AECOM - Alexandria, VA	REG		2.2754	10.1054	11.8502	95			94.74934194	5.250658064
1409444-06	AECOM - Alexandria, VA	REG		2.274	10.214	12.151	97			96.70060701	3.29939299
1409444-07	AECOM - Alexandria, VA	REG		2.234	10.1784	12.0601	97			96.53874872	3.461251277
1409444-08	AECOM - Alexandria, VA	REG		2.2608	10.1499	12.092	97			96.86006759	3.139932413
1409444-09	AECOM - Alexandria, VA	REG		2.221	10.0914	11.9876	97			96.78141784	3.218582159
1409444-10	AECOM - Alexandria, VA	REG		2.2434	10.2146	11.9952	95			95.46923032	4.530769683
1409444-11	AECOM - Alexandria, VA	REG		2.2481	10.2377	12.1763	97			96.97686004	3.023139963
1409444-12	AECOM - Alexandria, VA	REG		2.2299	10.3093	12.2704	97			97.39264548	2.607354525

004842

Inorganic - Wet Chemistry, Soil, Oct-02-14

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1410589-BLK1	QC				BLANK	
1409479-01	Solids, Total 3550B (%)	A B			AECOM - Alexandria, VA	
1410589-DUP1	QC				DUPLICATE	
1409479-02	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409479-03	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409479-04	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409479-05	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409479-06	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409479-08	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409479-12	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410589-DUP2	QC				DUPLICATE	
1409479-13	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409479-14	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409479-15	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409479-16	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409479-17	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409479-18	Solids, Total 3550B (%)	A B			AECOM - Alexandria, VA	

KLA 10/2/14

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1410589** Page 1 of 1

Printed: 10/2/2014 10:41:34AM

NLB 10-4-14

Inorganic - Wet Chemistry, Soil, General Inorganic Prep

(No Surrogate)

Batch Comments: (none)

Due 10/10/14

4DOD

Standard	Description	Solvent	LotNum

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409479	Solids, Total 3550B (%)				

Balance ID: 210 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410589-BLK1		Oct-02-14 10:30	KLA	10	10					BLANK	
1410589-DUP1		Oct-02-14 10:30	KLA	10	10		1409479-01			DUPLICATE	
1410589-DUP2		Oct-02-14 10:30	KLA	10	10		1409479-12			DUPLICATE	
1409479-01	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-02	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-03	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-04	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-05	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-06	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-08	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-12	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-13	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-14	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-15	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-16	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-17	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409479-18	A B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	

KLA 10/2/14

Comments:	Analyst Initials:

bch_TriMatrix.rpt

004844

Rerun Macro

TRIMATRIX LABORATORIES

TOTAL PERCENT SOLIDS

BATCH INFORMATION		ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AND APPROVAL
Sequence: 4102024		Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number: 1410589
Balance Number: 210										
Analysis Date: 10/02/14		Step #1	10/02/14	3:15PM	104	10/03/14	8:30AM	104	Blank Concentration: Less than 0.1%(w/w)	
Analyst: KLA		Step #2								
Parameter: Percent Solids		Step #3							MS/MSD Precision: <20%	Supervisor Approval:
Matrix: Soil		Step #1	Evaporation to dryness @ 103-105° C (overnight) in Oven #54 or #56							
Method Reference: Solids, Total 3550B (%)		Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units: %		Step #3								
Default MRL: 0.1			Oven Used: 56							

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)	% moisture
1410589-BLK1		BLK1	BLK	2.2701	10	2.2695		0.0		-0.006	100.006
1409479-01	AECOM - Alexandria, VA	REG		2.2647	10.1122	11.9805	96			96.0799826	3.920017405
1410589-DUP1		DUP1		2.2728	10.2504	12.1308	96			96.17185671	3.828143292
1409479-02	AECOM - Alexandria, VA	REG		2.2317	10.2949	12.2138	97			96.96160235	3.038397653
1409479-03	AECOM - Alexandria, VA	REG		2.2389	10.1495	11.9097	95			95.2835115	4.716488497
1409479-04	AECOM - Alexandria, VA	REG		2.2618	10.1176	12.1306	98			97.54091879	2.459081205
1409479-05	AECOM - Alexandria, VA	REG		2.2472	10.0548	11.9854	97			96.85125512	3.148744878
1409479-06	AECOM - Alexandria, VA	REG		2.2283	10.0702	11.733	94			94.38442136	5.615578638
1409479-08	AECOM - Alexandria, VA	REG		2.2365	10.114	12.0776	97			97.30175994	2.698240063
1409479-12	AECOM - Alexandria, VA	REG		2.2338	10.3509	11.8079	92			92.49533857	7.50466143
1410589-DUP2		DUP2		2.2388	10.1228	11.3875	90		#VALUE!	90.37716837	9.622831628
1409479-13	AECOM - Alexandria, VA	REG		2.2206	10.2059	12.1921	98			97.70328927	2.296710726
1409479-14	AECOM - Alexandria, VA	REG		2.2569	10.3434	12.1612	96			95.75478083	4.245219178

004845

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)	% moisture
1409479-15	AECOM - Alexandria, VA	REG		2.2295	10.2988	12.2646	97			97.43950752	2.560492485
1409479-16	AECOM - Alexandria, VA	REG		2.2548	10.2906	12.3208	98			97.81742561	2.182574388
1409479-17	AECOM - Alexandria, VA	REG		2.2277	10.2195	12.1583	97			97.17305152	2.826948481
1409479-18	AECOM - Alexandria, VA	REG		2.2286	10.389	12.3843	98			97.75435557	2.245644432

004846

Inorganic - Wet Chemistry, Soil, Oct-02-14

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1410596-BLK1	QC				BLANK	
1409499-02	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409499-03	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409499-04	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409499-05	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409499-08	Solids, Total 3550B (%)	D			AECOM - Alexandria, VA	
1410596-DUP1	QC				DUPLICATE	
1409499-09	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409499-10	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1409499-11	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1410596** Page 1 of 1

Printed: 10/2/2014 10:59:35AM

NLB 10-4-14

Inorganic - Wet Chemistry, Soil, General Inorganic Prep

(No Surrogate)

Batch Comments: (none)

Due 10/13/14

4DOD

Standard	Description	Solvent	LotNum

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1409499	Solids, Total 3550B (%)				

Balance ID: 210 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410596-BLK1		Oct-02-14 10:30	KLA	10	10					BLANK	
1410596-DUP1		Oct-02-14 10:30	KLA	10	10		1409499-08			DUPLICATE	
1409499-02	B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409499-03	B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409499-04	B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409499-05	B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409499-08	D	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409499-09	B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409499-10	B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	
1409499-11	B	Oct-02-14 10:30	KLA	10	10					AECOM - Alexandria, VA	

Comments:

Analyst Initials:

004848

Rerun Macro

TRIMATRIX LABORATORIES

TOTAL PERCENT SOLIDS

BATCH INFORMATION		ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AND APPROVAL
Sequence: 4102034		Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number: 1410596
Balance Number: 210										
Analysis Date: 10/02/14		Step #1	10/02/14	3:15PM	103	10/03/14	8:30AM	103	Blank Concentration: Less than 0.1%(w/w)	
Analyst: KLA		Step #2								
Parameter: Percent Solids		Step #3							MS/MSD Precision: <20%	Supervisor Approval:
Matrix: Soil		Step #1	Evaporation to dryness @ 103-105° C (overnight) in Oven #54 or #56							
Method Reference: Solids, Total 3550B (%)		Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units: %		Step #3								
Default MRL: 0.1			Oven Used: 54							

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)	% moisture
1410596-BLK1		BLK1	BLK	2.2211	10	2.2207		0.0		-0.004	100.004
1409499-02	AECOM - Alexandria, VA	REG		2.2468	10.3648	11.7487	92			91.6747067	8.3252933
1409499-03	AECOM - Alexandria, VA	REG		2.2428	10.3074	12.1628	96			96.24153521	3.758464792
1409499-04	AECOM - Alexandria, VA	REG		2.2635	10.3796	12.2902	97			96.60006166	3.399938341
1409499-05	AECOM - Alexandria, VA	REG		2.2603	10.1164	11.4145	90			90.4887114	9.511288601
1409499-08	AECOM - Alexandria, VA	REG		2.251	10.052	11.9666	97			96.65340231	3.346597692
1410596-DUP1		DUP1		2.2655	10.3642	12.3098	97			96.91341348	3.086586519
1409499-09	AECOM - Alexandria, VA	REG		2.2418	10.0886	11.8738	95			95.47409948	4.525900521
1409499-10	AECOM - Alexandria, VA	REG		2.2778	10.2803	12.1176	96			95.71510559	4.28489441
1409499-11	AECOM - Alexandria, VA	REG		2.2725	10.3725	12.3319	97			96.98144131	3.018558689

004849

Inorganic - Wet Chemistry, Soil, Oct-03-14

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1410647-BLK1	QC				BLANK	
1410014-01	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410647-DUP1	QC				DUPLICATE	
1410014-02	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410014-03	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410014-04	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410014-05	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410014-06	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410014-07	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410014-08	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410025-01	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410647-DUP2	QC				DUPLICATE	
1410025-02	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410025-03	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410025-04	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410025-05	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410025-06	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410025-07	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

NB 10-8-14

PREPARATION BATCH **1410647** Page 1 of 1

Printed: 10/3/2014 8:42:04AM

Inorganic - Wet Chemistry, Soil, General Inorganic Prep

(No Surrogate)

Batch Comments: (none)

Due 10/14/14

4DOD

Standard	Description	Solvent	LotNum

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1410014	Solids, Total 3550B (%)	1410025	Solids, Total 3550B (%)		

Balance ID: 210 **pH Meter:** none

Lab Number	Contain	Prepared	By	Initial (grams)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1410647-BLK1		Oct-03-14 08:30	KLA	10	10					BLANK	
1410647-DUP1		Oct-03-14 08:30	KLA	10	10		1410014-01			DUPLICATE	
1410647-DUP2		Oct-03-14 08:30	KLA	10	10		1410025-01			DUPLICATE	
1410014-01	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410014-02	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410014-03	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410014-04	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410014-05	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410014-06	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410014-07	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410014-08	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410025-01	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410025-02	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410025-03	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410025-04	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410025-05	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410025-06	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	
1410025-07	B	Oct-03-14 08:30	KLA	10	10					AECOM - Alexandria, VA	

Comments:

Analyst Initials:

004851

Rerun Macro

TRIMATRIX LABORATORIES

TOTAL PERCENT SOLIDS

BATCH INFORMATION	ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AND APPROVAL
Sequence: 4103012	**Step**	**Start Date**	**Start Time**	**Start Temp (°C)**	**End Date**	**End Time**	**End Temp (°C)**	**Difference Between Weighings:** Less than 0.0005 g	**Batch Number:** 1410647
Balance Number: 210									
Analysis Date: 10/03/14	**Step #1**	10/03/14	11:15AM	104	10/06/14	3:30PM	104	**Blank Concentration:** Less than 0.1%(w/w)	
Analyst: KLA	**Step #2**								
Parameter: Percent Solids	**Step #3**							**MS/MSD Precision:** <20%	**Supervisor Approval:**
Matrix: Soil	**Step #1**	Evaporation to dryness @ 103-105° C (overnight) in Oven #54 or #56							
Method Reference: Solids, Total 3550B (%)	**Step #2**	Recheck of Step #1 after further cooling in desiccator (if necessary)						**LCS Accuracy:** N/A	
Units: %	**Step #3**								
Default MRL: 0.1		**Oven Used:** 56							

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)	% moisture
1410647-BLK1		BLK1	BLK	2.2639	10	2.2642		0.0		0.003	99.997
1410014-01	AECOM - Alexandria, VA	REG		2.2597	10.1293	11.9201	95			95.37085485	4.629145153
1410647-DUP1		DUP1		2.2625	10.2722	12.0499	95			95.28046572	4.719534277
1410014-02	AECOM - Alexandria, VA	REG		2.2726	10.2851	12.3275	98			97.76181077	2.238189225
1410014-03	AECOM - Alexandria, VA	REG		2.2776	10.1611	12.2043	98			97.69316314	2.306836858
1410014-04	AECOM - Alexandria, VA	REG		2.2692	10.2801	12.29	97			97.477651	2.522349004
1410014-05	AECOM - Alexandria, VA	REG		2.264	10.2239	11.7999	93			93.27066971	6.729330295
1410014-06	AECOM - Alexandria, VA	REG		2.2641	10.3806	12.4452	98			98.07814577	1.921854228
1410014-07	AECOM - Alexandria, VA	REG		2.2423	10.283	12.2776	98			97.59116989	2.408830108
1410014-08	AECOM - Alexandria, VA	REG		2.2779	10.3833	12.3513	97			97.01539973	2.984600272
1410025-01	AECOM - Alexandria, VA	REG		2.2355	10.1974	12.0391	96			96.13823131	3.861768686
1410647-DUP2		DUP2		2.2275	10.1428	11.9415	96		#VALUE!	95.77237055	4.227629451
1410025-02	AECOM - Alexandria, VA	REG		2.2433	10.1428	12.042	97			96.60744568	3.392554324

004852

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)	% moisture
1410025-03	AECOM - Alexandria, VA	REG		2.2885	10.0194	12.1077	98			98.00187636	1.99812364
1410025-04	AECOM - Alexandria, VA	REG		2.2636	10.0291	12.0553	98			97.6328883	2.367111705
1410025-05	AECOM - Alexandria, VA	REG		2.2422	10.2752	12.1497	96			96.42148085	3.578519153
1410025-06	AECOM - Alexandria, VA	REG		2.2533	10.2997	12.3219	98			97.75624533	2.243754672
1410025-07	AECOM - Alexandria, VA	REG		2.256	10.0567	11.9233	96			96.1279545	3.872045502

004853

Inorganic - Wet Chemistry, Soil, Oct-07-14

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1410833-BLK1	QC				BLANK	
1410085-01	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410833-DUP1	QC				DUPLICATE	
1410085-02	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410085-04	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410085-05	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410085-06	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410085-08	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	
1410085-09	Solids, Total 3550B (%)	B			AECOM - Alexandria, VA	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1410833** Page 1 of 1

Printed: 10/7/2014 10:59:48AM

NLB 10-4-14

Inorganic - Wet Chemistry, Soil, General Inorganic Prep

(No Surrogate)

Batch Comments: (none)

Due 10/15/14

4 DOD

Standard	Description	Solvent	LotNum

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1410085	Solids, Total 3550B (%)				

Balance ID: 210 **pH Meter:** none

Lab Number	*Contain*	*Prepared*	*By*	*Initial (grams)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1410833-BLK1		Oct-07-14 10:00	KLA	10	10					BLANK	
1410833-DUP1		Oct-07-14 10:00	KLA	10	10		1410085-01			DUPLICATE	
1410085-01	B	Oct-07-14 10:00	KLA	10	10					AECOM - Alexandria, VA	
1410085-02	B	Oct-07-14 10:00	KLA	10	10					AECOM - Alexandria, VA	
1410085-04	B	Oct-07-14 10:00	KLA	10	10					AECOM - Alexandria, VA	
1410085-05	B	Oct-07-14 10:00	KLA	10	10					AECOM - Alexandria, VA	
1410085-06	B	Oct-07-14 10:00	KLA	10	10					AECOM - Alexandria, VA	
1410085-08	B	Oct-07-14 10:00	KLA	10	10					AECOM - Alexandria, VA	
1410085-09	B	Oct-07-14 10:00	KLA	10	10					AECOM - Alexandria, VA	

Comments:

Analyst Initials:

604855

bch_TriMatrix.rpt

Rerun Macro

TRIMATRIX LABORATORIES

TOTAL PERCENT SOLIDS

BATCH INFORMATION		ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AND APPROVAL
Sequence:	4107036	Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number: 1410833
Balance Number:	210									
Analysis Date:	10/07/14	Step #1	10/07/14	3:00PM	103	10/08/14	8:45AM	103	Blank Concentration: Less than 0.1%(w/w)	
Analyst:	KLA	Step #2								
Parameter:	Percent Solids	Step #3							MS/MSD Precision: <20%	Supervisor Approval:
Matrix:	Soil	Step #1	Evaporation to dryness @ 103-105° C (overnight) in Oven #54 or #56							
Method Reference:	Solids, Total 3550B (%)	Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units:	%	Step #3								
Default MRL:	0.1		Oven Used: 54							

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)	% moisture
1410833-BLK1		BLK1	BLK	2.2615	10	2.261		0.0		-0.005	100.005
1410085-01	AECOM - Alexandria, VA	REG		2.2607	10.0828	11.9392	96			95.99020113	4.009798865
1410833-DUP1		DUP1		2.2466	10.1663	11.997	96			95.90903278	4.090967215
1410085-02	AECOM - Alexandria, VA	REG		2.2255	10.1242	11.9257	96			95.81201478	4.187985224
1410085-04	AECOM - Alexandria, VA	REG		2.2631	10.1122	12.0279	97			96.5645458	3.435454204
1410085-05	AECOM - Alexandria, VA	REG		2.2336	10.3026	12.192	97			96.65909576	3.340904238
1410085-06	AECOM - Alexandria, VA	REG		2.2556	10.178	12.2009	98			97.71369621	2.286303792
1410085-08	AECOM - Alexandria, VA	REG		2.2219	10.3132	12.2086	97			96.83415429	3.165845712
1410085-09	AECOM - Alexandria, VA	REG		2.2482	10.2332	12.2256	98			97.50029316	2.499706837

004856

AECOM - Alexandria, VA
Gabreski ANGB, NY

END OF REPORT

004857
This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

This page intentionally left blank.

Appendix C

Data Validation Report

This page intentionally left blank.

A total of 65 soil samples, 6 field duplicates, 8 trip blanks, and 1 equipment blanks, 13 groundwater, collected on 9/22/2014 through10/1/2014; at Gabreski Air National Guard Base (ANGB) in Westhampton Beach, New York were analyzed at Trimatrix Laboratories, Inc., of Grand Rapids, Michigan (Trimatrix), for volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs).

The analytical data were validated according to the quality assurance (QA) requirements and method-specific criteria presented in Worksheets #12, #15, and #28 of the *Tier II Quality Assurance Project Plan*, Appendix B of the Work Plan for the *Regional Compliance Restoration Program Preliminary Assessment/Site Inspection Gabreski Air National Guard Base, Westhampton Beach, New York* (the QAPP) (AECOM, 2014). These requirements are based on the requirements presented in Appendices F and G of the DoD QSM, version 4.2, the method-specific standard operating procedures (SOPs), and other applicable guidance. The qualification requirements and data qualifiers are based on the *EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (EPA-540/R-08/01, June 2008), *EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review* (EPA-540/R-10-011, January 2010), and the QAPP. The reviewer's professional judgment was used to evaluate data quality when called for in the National Functional Guidelines (NFGs) and in instances with no clear policy or conflicting guidance on how the data should be qualified. The data validation process was performed by the AECOM chemist. The following documentation and QC parameters were evaluated.

- Case Narrative
- Data Summary Sheets
- Sample Custody
- Holding Times
- Initial and Continuing Calibrations and Tuning Criteria
- Method, Laboratory, and Trip Blanks
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Recoveries and Relative Percent Differences (RPDs)
- Surrogate Recoveries for System Monitoring Compounds
- Internal Standards
- Target Compound Identification and Quantitation
- Limits of Quantitation (LOQs), Limits of Detection (LODs), and Method Detection Limits (DLs)
- Sample Preparation Sheets
- Instrument Run Logs
- Field Duplicate Relative Percent Differences (RPDs)

Qualifiers were assigned by the reviewer to all definitive-level data that failed to meet specified analytical and QC criteria. No data were qualified with the "R" qualifier as rejected and considered unusable. Data qualified with the "J" qualifier are considered estimated and may be quantitatively uncertain. All non-detected results are qualified with the "U" qualifier. The "U" qualifier is included before the "J" qualifiers where applicable. "UJ-" indicates qualification with potential low bias due to low QC sample recoveries. Blank-qualified results are qualified with the "UJ" qualifiers and are considered to be estimated and non-detected at the reported concentrations. All of the results met validation criteria for PARCC parameters with the following exceptions.

Sample GA-TU14SB19-16 was not analyzed for SVOCs. It was a lab oversight.

All holding times were met for methods SW8260 and SW8270 except for sample GA-TU13SB14-34 and GA-TU13SB11-34 for method SW8270. The samples were re-extracted due to low surrogate recovery. The re-extracted had acceptable surrogate recovery, but was extracted outside the holding time. All SVOC detect results were flagged "J" and non detect results were flagged "UJ".

For the Initial Calibration run, target constituent RRF values were all greater than 0.05 and the %RSD values were less than 30% for all target constituents. Continuing calibration verifications were performed at the required frequency and met all acceptance criteria.

LCS or LCSD recoveries not within specified control limits (greater than the upper limit) for batch 1410325 for analytes butyl benzyl phthalate, carbazole, 2-chloronaphthalene, chysene, and bis(2-ethylhexyl)phthalate, phenol, and 2,4,5-trichlorophenol and for batch 1410920 for analyte 2,4-dinitrophenol. Positve results were qualified J.

Internal standard areas in Method SW8270 were not within specified criteria for sample GA-TU13SB01-08, GA-TU13SB01-32, GA-TU13SB02-14, GA-TU13SB04-07, GA-TU13SB08-15, GA-TU13SB10-15, GA-TU13SB10-34, GA-TU13SB11-34, GA-TU13SB14-15, GA-TU13SB14-34, GA-TU14SB16-12, GA-TU16SB29-44DUP, GA-TU16SB30-08, GA-TU16SB31-08, GA-TU16SB32-17, GA-TU16SB33-10, GA-TU17SB35-15, GA-TU17SB36-20, and GA-TU17SB38-15 due to sample matrix interference. The samples were reanalyzed at a higher dilution. The higher concentration results were determined to be the most appropriate for use for reporting purposes.

SURROGATE RECOVERY: SURROGATE RECOVERY LESS THAN THE LOWER CONTROL LIMIT

GA-TU14SB15-35 Analyte: 2-Fluorophenol

GA-TU13SB02-33 Analyte: 2-Fluorophenol

GA-TU13SB05-33 Analyte: 2-Fluorophenol

GA-TU13SB04-33 Analyte: Phenol-d6

Samples were re-extracted and the surrogate recoveries were within control limits.

Results for the following samples were blank-qualified as estimated and non-detected (UJ) at the reported concentrations due to sample results less than ten-times the concentrations reported in the associated method blanks:

- 2-Butanone (batch 1410493) in samples GA-TU15SB27-22, GA-TU15SB27-45, GA-TU15SB28-15, GA-TU15SB25-27, GA-TU15SB26-10, GA-TU14SB16-12, GA-TU14SB16-35, GA-TU14SB15-13, GA-TU14SB17-21, GA-TU14SB17-34, GA-TU14SB19-35, GA-TU14SB19-16, GA-TU14SB18-35, and GA-TU14SB18-05.

- Acetone (batch 1410719) in samples GA-TU15GW27-01, GA-TU15GW25-01, GA-TU14GW15-01, GA-TU14GW20-01, GA-TU13GW02-01, GA-TU13GW05-01, GA-TU13GW03-01, GA-TU16GW29-01, GA-TU13GW08-01, GA-TU13GW09-01, GA-TU13GW12-01, and GA-TU13GW13-01.

- Methylene chloride (batch 1410976) in samples GA-TU16SB30-08, GA-TU16SB31-08, GA-TU16SB33-10, GA-TU16SB29-15, and GA-TU13SB8-34.

- Acetone (batch 1411044) in samples GA-TU17SB34-37, GA-TU13SB12-34, GA-TU13SB13-20, GA-TU13SB13-34, GA-TU13SB14-15, GA-TU13SB14-34, GA-TU13SB12-15, GA-TU17SB34-15, GA-TU17SB35-15, GA-TU17SB36-20, GA-TU17SB38-15, GA-TU017SB34-37DUP, GA-TU017SB38-15DUP, GA-TU13SB14-34DUP.

- Methylene chloride (batch 1411044) in samples GA-TU017SB38-15DUP and GA-TU17SB34-37.

- Methylene chloride (batch 1411328) in sample GA-TU17SB34-15.

- Di-n-octyl phthalate in samples GA-TU13SB12-15, GA-TU017SB34-37DUP, GA-TU17SB38-15, GA-TU17SB36-20, GA-TU17SB35-15, GA-TU17SB34-37, GA-TU17SB34-15, GA-TU13SB14-34DUP, GA-TU13SB14-34, GA-TU13SB14-15, GA-TU13SB13-34, GA-TU13SB10-15, GA-TU13SB12-34, GA-TU16SB29-44DUP, GA-TU13SB11-34, GA-TU017SB38-15DUP, GA-TU16SB30-08, GA-TU16SB31-08, GA-TU16SB33-10, GA-TU13SB13-20.

- Benzoic acid in sample GA-TU17GW34-01.

- Bis(2-ethylhexyl)phthalate (1410325) in samples GA-TU13GW02-01, GA-TU13GW05-01, GA-TU13GW03-01, GA-TU14GW15-01, GA-TU14GW20-01

- Bis(2-ethylhexyl)phthalate (1410423) in samples GA-TU14SB23-33, GA-TU14SB20-33, GA-TU14SB20-5, GA-TU14SB22-26, GA-TU14SB21-33, GA-TU14SB21-5, GA-TU14SB24-07, GA-TU14SB23-25, GA-TU14SB18-35, GA-TU14SB15-35DUP, GA-TU14SB15-35, GA-TU14SB19-35, GA-TU14SB17-34, GA-TU14SB15-13, GA-TU14SB16-35, GA-TU14SB24-33

- Bis(2-ethylhexyl)phthalate (1410496) in samples GA-TU13SB04-33, GA-TU13SB03-33, GA-TU13SB02-33, GA-TU13SB07-33, GA-TU13SB06-33, GA-TU13SB03-12, GA-TU13SB05-33

- Bis(2-ethylhexyl)phthalate (1410563) in samples GA-TU13SB09-20, GA-TU13SB11-20, GA-TU13SB10-15, GA-TU13SB09-34, GA-TU13SB08-34, GA-TU13SB08-15, GA-TU16SB29-44DUP, GA-TU16SB29-44, GA-TU16SB29-15, GA-TU16SB29-15DUP

Trace results for the following samples were blank-qualified as estimated and non-detected (UJ) at the reported concentrations due to sample results less than ten-times the concentrations reported in the associated equipment or trip blanks:

- Acetone in samples GA-TU14SB16-35, GA-TU14SB15-13, GA-TU14SB17-21, GA-TU14SB17-34, GA-TU14SB19-35, GA-TU14SB15-35, GA-TU14SB15-35DUP, GA-TU14SB18-35, GA-TU14SB21-5, and GA-TU14GW15-01, GA-TU13SB06-14, GA-TU13SB03-12, GA-TU13SB04-07, GA-TU13SB02-33, GA-TU13SB02-14, GA-TU13SB05-33, GA-TU13SB05-12, GA-TU13SB03-33, GA-TU13SB07-33, GA-TU16SB30-08, GA-TU16SB32-17, GA-TU16GW29-01, GA-TU16SB29-15, GA-TU16SB29-15DUP, GA-TU16SB29-44, GA-TU16SB29-44DUP, GA-TU13SB8-15, GA-TU13SB8-34, GA-TU13SB9-20, GA-TU13SB9-34, GA-TU13SB10-34, GA-TU13SB11-20, GA-TU13GW08-01, GA-TU13GW09-01, and GA-TU13SB07-08 by EPA Method SW8260B.

- Benzoic acid in sample GA-TU16GW29-01.

- Butyl benzyl phthalate in sample GA-TU16GW29-01.

- Dimethyl phthalate in sample GA-TU16GW29-01.

- Di-n-butyl phthalate in sample GA-TU16GW29-01.

All of the blank-qualified results were trace results or were not significantly greater than the LOQs. Therefore, the effect of blank qualifications on project objectives is not expected to be significant and considered a chemical of potential concern for this project.

A field duplicate was collected for sample GA-TU13SB14-34, GA-TU14SB15-35, GA-TU16SB29-44, GA-TU16SB29-15, GA-TU17SB34-37, and GA-TU17SB38-15. All of the SW8260B field duplicate results were in excellent agreement and met the less-than 20 except for 1,1,1-trichloroethane, bis(2-ethylhexyl)phthalate, and xylene, meta + para in GA-TU13SB14-34; ethylbenzene, toluene, xylene, meta + para, and xylene, ortho in GA-TU14SB15-35. The detected results were qualified as estimated (J) for results greater than 5 times the LOQ with RPDs greater than 20.

MS/MSD analyses were performed at a frequency of approximately 1:20 environmental samples for EPA Method SW8260B and SW8270. Sample GA-TU14SB15-35 and GA-TU16SB29-15 was designated as MS/MSD samples. All of the MS/MSD results met the specified control limits.

Analytical results that are at or above the DL, but below the LOQ, were reported by the analytical laboratory. Such trace results are considered estimated due to quantitative uncertainty near the limit of detection, and are qualified as “J” by the laboratory and “J” in validation.

All analytical results and LOQs, LODs, and DLs are adjusted for stoichiometric factors such as dilutions, amounts of sample extracted, and dry weight corrections for soils. All results reported from diluted analyses were detected, and project objectives are not affected.

The data review and validation performed on the entire data set indicate the overall high quality of the definitive-level data collected for this project. None of the data were qualified as rejected and completeness for this data set is 100 percent. Results qualified as estimated are generally for marginal QC exceedances and blank-qualified results below or near the LOQs, and the qualifications do not significantly affect project objectives.

This page intentionally left blank.

Appendix D

Investigation Derived Waste Documentation

This page intentionally left blank.

Invoice: 148756 Receipt 21-00 1067311 Manifest 013554480JJK

1

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NY2572824249
2. Page 1 of
3. Emergency Response Phone: 631 924-5957
4. Manifest Tracking Number: 013554480 JJK

GENERATOR

5. Generator's Name and Mailing Address: Gabreski Air National Guard, 150 Old Riverhead Road, Westhampton Beach, NY 11978
Generator's Site Address (if different than mailing address)
Generator's Phone: 631-723-7112

6. Transporter 1 Company Name: American Haz-Mat Mgmt., Inc. U.S. EPA ID Number: NY0000182675

7. Transporter 2 Company Name: EQ - Northeast Inc. U.S. EPA ID Number: MAD084814136

8. Designated Facility Name and Site Address: EQ Detroit, Inc, 1923 Frederick Street, Detroit, MI 48211 USA U.S. EPA ID Number: MID980991565
Facility's Phone: 313-347-1300

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non-Hazardous Liquids (Non-RCRA Regulated Liquids)	01	DM	EST 380	P	029L		L
	2. Non Hazardous, Non RCRA Regulated Solids	03	DM	EST. 1200	P	Stud		L
	3.							
	4.							

14. Special Handling Instructions and Additional Information
24 Hr. Phone; Trans 1; 631-924-5957 Trans #2: EQ NE . 1-508-803-1218
Approvals; 1) ~~E1500H4DET~~ NH Liquids: 2) ~~E1500I3DET~~ NH Soli
1 x 55 OM - D1500H4DET 3 x 55 OM D1500I3DET

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

Generator's/Offeror's Printed/Typed Name: ANTHONY J. VASELL Signature: [signature] Month 05 Day 07 Year 15

TRANSPORTER

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

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Michael Manuella Signature: [signature] Month 05 Day 07 Year 15

Transporter 2 Printed/Typed Name: David MacLellan Signature: [signature] Month 05 Day 11 Year 15

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

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

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

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

1. ~~H141~~ L1W	2. ~~H141~~ H141P	3.	4.

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

Printed/Typed Name: JOYCE MCCLAIN Signature: [signature] Month 5 Day 13 Year 15

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

8126446

ENVIROSAFE
ENVIROSAFE SERVICES OF OHIO, INC.

PROFILE

4 iQ

876 Otter Creek Road, Oregon, Ohio 43616
U.S. EPA Identification No. OHD045243706

Telephone: (800) 537-0426 or (419) 698-3500
Telefax: (419) 698-8663

WASTE PRODUCT QUESTIONNAIRE

Section A – Generator and Customer Information

1. **Generator:** Gabreski Air National Guard
   Address: 150 Old Riverhead Road, Building 250
   City/State: Westhampton Beach, NY Zip: 11978-1201
   Technical Contact(s): Mr. Anthony Vasell, Base Environmental Manager
   Telephone: (631) 723-7112 Fax:
2. **EPA ID.:** NY257282424249 3. **SIC:**
4. **Broker/Invoice Address:** Environmental Waste Solutions, LLC
   Address: 1348 B Redtail Hawk Drive
   City/State Boardman, OH Zip: 44512
   Billing/Broker Contact(s): Keith Genovese
   Telephone: 330 758 5851 Fax: 330 758 5852

ESOI USE ONLY	
Generator #	
Customer #	
☐ ESOI ☐ Subtitle D	
Acceptance Code	
Laboratory Testing Code	
Update Analysis Code	
Source Code	
Form Code	
Generator State Code	

Section B – Waste Description

1. **Common Name for This Waste:** Investigation Derived Waste liquids
2. **Process Generating This Waste:** Direct Push groundwater sampling

3. **Annual Quantity:**
   - ☐ Tons
   - ☐ Yards
   - ☐ Drums – 30-Gal.
   - ☒ Drums – 55-Gal. 1
   - ☐ Drums – 85-Gal.

4. **Shipment Duration:**
   - ☐ Permanent (1 Year or Longer)
   - ☐ Temporary (Less Than 1 Year)
   - ☑ One Time Disposal

5. **Transportation Mode:**
   - ☑ Highway ☐ Rail

6. **Container Type:**
   - ☐ Bulk ☐ Boxes
   - ☐ Cloth Bags ☒ Drums
   - ☐ Gondola ☐ Hopper
   - ☐ Intermodal ☐ Flatcar
   - ☐ Other – Explain in Section H

Section C – Physical Properties

1. **Describe Physical State at 70 °F:**
   ☐ Dry Solid ☐ Damp Solid ☐ Semi-Solid / Gel ☒ Flowable Liquid ☐ Labpack
2. **Describe Load Bearing Strength at 70 °F:**
   ☐ Solid / Rigid ☐ Sludge ☒ Weak / None
   2.1 **Penetrometer PSI:** N/A
   2.2 **% Solids @ 105 °C:** 0 %
3. **Describe Physical Appearance of Waste (Include Color, Variations):** clear water/possible cloudiness
4. **Apparent Density of Waste:** N/A Lb./Cu. Yard
5. **Flash Point (TAG or Setaflash Closed Cup):**
   ☐ 25-70°F ☐ 70-100°F ☐ 100-140°F ☑ >140°F
   5.1 **Actual Flash Point:** > 200 °F
   5.2 **Combustible:** ☐ Yes ☑ No
6. **pH (10% Slurry in Distilled Water for Solids):**
   ☐ <2.0 ☐ 2.0-5.0 ☑ 5.0-10.0 ☐ 10.0-12.5 ☐ >12.5
   6.1 **Actual pH (S.U.):** 7.0
7. **Describe Odor of Waste:**
   ☒ None ☐ Slight ☐ Strong
8. **Describe Temperature of Waste at Time of Disposal:**
   ☑ Ambient - 100°F ☐ 100-140°F ☐ >140°F

PROFILE

L/8

Section D – Waste Composition

1. List all components within the waste stream by percentage. Account for 100 percent of waste in Typical % column.

		RANGE %	TYPICAL %
1.	waste water	-	100 %
2.		-	
3.		-	
4.		-	
5.		-	
6.		-	
7.		-	
8.		-	
9.		-	
10.			

Section E – Analytical Report, Sampling Certification

1. Values Reported are: ☑ Actual ☐ Highest ☐ Lowest ☐ Average ☐ Other _____

2. Sample collection method: grab sample from individual drum

3. Indicate sample collection type: ☒ Grab ☐ Composite ☐ Other _____

4. USEPA SW-846 test methods are required for all RCRA-mandated testing. List the methods your laboratory used below.

PARAMETER	Result	Method Reference	PARAMETER	Result	Method Reference	PARAMETER	Result	Method Reference.
Antimony			Cyanide Total			•Acetone		
Arsenic			Cyanide Free			•Butanol		
Barium			HCN @ pH 2.0			•Carbon Disulfide		
Beryllium	See attached		Sulfide Total			•Carbon Tetrachloride		
Cadmium	results		Sulfide Free			•Chlorobenzene		
Chromium (hex)			H2S @ pH 2.0			•Cresols- [o],[m],[p]		
Chromium (total)			Phenolics			•Cresylic Acid		
Copper			Chloride			•Cyclohexanone		
Lead			Fluoride			•1,2-Dichlorobenzene		
Mercury			Phosphate			•Ethyl Acetate		
Nickel			Sulfate			•Ethyl Benzene		
Selenium			Nitrate-N			•Ethyl Ether		
Silver			Nitrite-N			•Isobutanol		
Thallium			Ammonia-N			•Methanol		
Zinc			Kjeldahl-N			•Methylene Chloride		
Endrin			Oil & Grease			•Methyl Ethyl Ketone		
Lindane			TOC (Carbon)			•Methyl Isobutyl Ketone		
Methoxychlor			TOX (Halogen)			•Nitrobenzene		
Toxaphene			PCB's			•Pyridine		
2,4-D			HOC's – (268)			•Tetrachloroethylene		
2,4,5-TP (Silvex)						•Toluene		
Chlordane						•1,1,1-Trichloroethane		
Heptachlor &-OH						•Trichlorotrifluoromethane		
Hex-Cl-Benzene						•Trichloroethylene		
Hex-Cl-Ethane						•Trichlorofluoromethane		
Hex-Cl-1,3 Butdi						•Xylene(s)		
2,4,5-TCl-Phenol						Benzene		
2,4,6-TCl-Phenol						1,1,2-Trichloroethane		
Penta-Cl-Phenol			pH10% Slurry			2-Ethoxyethanol		
2,4-Dinitrtoluene			Flash Point			2-Nitropropane		
Sample Prep Method		**SW 846:**	**Sample Prep Method**		**SW 846:**	Chloroform		
EP-Toxicity Extraction						1,4-Dichlorobenzene		
TCLP Extraction						1,2-Dichloroethane		
						1,1-Dichloroethylene		
						Vinyl Chloride (monom.)		

11

PROFILE

LiQ

Section F – Waste Classification, HSWA Data

1. **Is the waste HAZARDOUS under RCRA 40 CFR 261?:**
   ☐ **YES** *(it is a RCRA waste)* ☑ **NO** *(it is non-hazardous)*

2. **RCRA EPA HW Number(s) from 40 CFR 261:**
   (or ESOI Non-Hazardous identification Code)

3. **Does the waste contain any of the following?:** If YES, Explain in Section H

Explosive	☐ Yes	☑ No
Shock Sensitive	☐ Yes	☑ No
Pyrophoric	☐ Yes	☑ No
Pathogenic	☐ Yes	☑ No
Infectious	☐ Yes	☑ No
Radioactive	☐ Yes	☑ No
Water Reactive	☐ Yes	☑ No

4. **Is the waste subject to Land Disposal Restrictions in 40 CFR 268?:** ☑ No ☐ Yes (Notification and/or Certification Required with Manifest)

5. **At the time of shipment will the waste described herein contain FREE LIQUIDS as determined by the Paint Filter Test (EPA SW-846 Method 9095)?** ☐ No (there are no free liquids) ☒ Yes

6. **Indicate if the waste or treatment residue contains any of the following HALOGENATED compounds:**
   ☐ Yes ☑ No **PCB's** (Polychlorinated Biphenyls) 50 parts per million (ppm) or greater

7. **Indicate by circling if waste or treatment residue contains any of the following DIOXIN codes in 40 CFR 261:**
   F020 F021 F022 F023 F026 F027 F028 ☑ The waste described herein contains *NONE* of these HW#'s

8. **Indicate by circling if waste or treatment residue contains any of the following SOLVENT codes in 40 CFR 261:**
   F001 F002 F003 F004 F005 ☑ The waste described herein contains *NONE* of these HW#'s

9. **Indicate if waste or treatment residue contains any of the *"•"-marked chemical CONSTITUENTS in Section E.* Column 3, by reporting the concentration in the space provided.** ☐ The waste described herein contains *NONE* of these chemicals

10. **Does the waste described herein contain EPA HW #'s not reported on or with this form (40 CFR 262.11)?:**
    ☐ Yes ☑ No

11. **Is this waste LESS than 500 ppmw VO per 40 CFR 265.1084 or meets all applicable organic treatment standards in 40 CFR 268.40 and IS NOT subject to 40 CFR 264 / 265 Subpart CC air emission requirements?**
    ☑ Yes ☐ No

12. **The above information was determined by:** ☑ Generator knowledge of the waste ☑ Laboratory analysis

Section G – U.S. DOT Shipping Description

1. **U.S. DOT Proper Shipping Name (PSN):** Non-RCRA, Non-DOT regulated solid (soil)
2. **DOT Reportable Quantity:** ☐☐☐☐ ☐ Lb ☐ Kg
3. **Class Code** ☐ . ☐ 5. **Packing Group:** ☐ I ☐ II ☐ III 6. **UN/NA No.:** _____
7. **Technical Names or Additional DOT Descriptions:**
   None
8. **ERC 24-Hour Emergency 49 CFR 172.604 Telephone:** EWS, 330-758-5851

Section H – Additional Comments or Waste Information

III

PROFILE

4a

Section J – Generator Certification

1. GENERATOR CERTIFICATION STATEMENT:

I hereby certify that as an authorized representative of the generator named herein, to the best of my knowledge all information submitted in this and all attached documents is true and accurate. I certify that a sample (if any) representative of the waste described herein was collected and analyzed according to the methods on the forms submitted and all known and/or suspected hazardous compounds have been included in the documentation.

Are the transportation or disposal services to be performed by ESOI subject to any prevailing wage requirements? [X] Yes [ ] No

2. GENERATOR SIGNATURE: _____

Anthony J. Vasell, NYS, DMDA	ENVI TECH	NYS DANA	10 FEB 2015
Name (Printed or Typed)	Title	Company	Date

Section K – Envirosafe Site Use Only

01. [X] Schedule initial bulk shipment, 5 or more shipments/day, all containerized & all treatment, first stab. Approx. 15 yards
02. [X] Profile number must appear on each manifest required by EPA or DOT; ERC Document, phone, route information
03. [ ] Generator must provide annual updated analysis; Generator retest if waste changes due to modifications to process, etc Generator must provide 40 CFR 262.11 updated analysis _____ and annually thereafter
04. [ ] pH of a 10% slurry of waste in distilled waste must be at least _____ but less than _____ by ESOI methods
05. [ ] Flash Point of incoming material must be _____ °F of greater by ESOI methods
06. [ ] Annual volume 200 ton subject to OEPA WMA program; Acceptance ends _____ Initial due OEPA _____
07. [ ] Waste temperature acceptance requirements (100°F always OK). Odoriferous waste may not be acceptable (sample)
08. [ ] LDR Notification-Certification Required; one-time must accompany initial shipment: _____
09. [ ] No unauthorized materials or free liquids in bulk loads
10. [ ] Waste must contain sufficient moisture to suppress dust
11. [ ] Prohibition on mixing loads in same shipping container
12. [ ] Waste billed by cubic yard if <2000 pounds per yard
13. [ ] Material solid, non-flowable & penetrometer standard
14. [ ] Miscellaneous debris 3 feet dimension limit
15. [ ] Metal drums <800 pounds unless authorized herein
16. [ ] Palletized boxes acceptance requirements
17. [ ] Woven cloth bags acceptance requirements
18. [ ] Stencil profile number on top & side each container
19. [ ] Non-haz waste Consent-To-Service form required
20. [ ] Heat or gas in contact with water requirements
21. [ ] Caustic may not heat & exceed 60% (w/w)
22. [ ] Total/Claussen cyanide (250) & sulfide (500) limit
23. [ ] PCB concentration limit requirements
24. [ ] Non-leaking PCB ballasts & capacitors acceptance
25. [ ] ESOI may request test or impound to verify LDRs
26. [ ] ESOI may treat debris by alternate 268.45 tech std.
27. [ ] Off-Spec waste stabilization mix design price adjust.
28. [ ] Narrative description for incinerator wastes
29. [ ] Conditions for acceptance of labpacks
30. [ ] Conditions for asbestos 40 CFR 261 Subpart M

_____

_____

_____

_____

_____

Name	Title	Date

If transportation for this waste is provided by ESOI, then ESOI's standard technical requirements for transportation are applicable.

Section L – Regulatory Agency Use Only

1. ACCEPTANCE STATUS:

[ ] Accepted (ACP) [ ] Conditional (CON) [ ] Withheld (WHO) [ ] Acceptance Denied (DNY)

2. CONDITIONS FOR ACCEPTANCE OR REASONS FOR DENIAL:

_____

_____

Name	Title	Date	Agency

IV

ENVIROSAFE
ENVIROSAFE SERVICES OF OHIO, INC.

PROFILE

§268.48 UNDERLYING HAZARDOUS CONSTITUENT DECLARATION PER 40 CFR 268.7(a) FOR D001-D003, D004-43, CONTAMINATED SOILS

GENERATOR: _____ **WASTE:** _____

Persons generating or treating certain subcategories of hazardous waste EPA HW#'s D001, D002, D003, D004-D011 or D012-D043 may be required under 40 CFR 268.40 to identify the 40 CFR 268.2(i) *underlying hazardous constituents (UHC's)* that were present in the waste at the *point of generation.* UHC's can be identified by using knowledge of the waste and/or by testing the waste to determine which of the substances listed in 40 CFR 268.48 were present above the treatment standard concentrations specified in the UTS Table.

1. Identify which EPA HW Numbers and Subcategories are applicable to this waste:

☐ D001 ☐ D002 ☐ D003 ☐ D004-D011 ☐ D012-D017 ☐ D018-D043 ☐ Contaminated Soil

Subcategory _____

2. Identify the §268.48 UHC's applicable to this waste at the point of generation (Circle, Underline, or etc.)

A2213	Bis(2-Chloroethoxy) methane	2.6-Dinitrotoluene	Methylene chloride	Safrole
Acenaphthylene	Bis(2-Chloroethyl) ether	Di-n-octyl phthalate	Methyl ethyl ketone	Silvex (2.4.5-TP)
Acenaphthene	Chloroform	*p-Dimethylaminoazobenzene*	Methyl isobutyl ketone	2.4.5-T
Acetone	Bis(2-Chloroisopropyl) ether	Di-n-propylnitrosamine	Methyl methacrylate	1.2.4.5-Tetrachlorobenzene
Acetonitrile	p-Chloro-m-cresol	1.4-Dioxane	*Methyl methansulfonate*	Tetrachlorodibenzo-furans
Acetophenone	2-Chloroethyl vinyl ether	Diphenylamine	Methyl parathion	Tetrachlorodibenzo-p-dioxins
2-Acetylaminofluorene	Chloromethane (methyl chloride)	Diphenylnitrosamine	Metolcarb	1.1.1.2-Tetrachloroethane
Acrolein	2-Chloronaphthalene	*1.2-Diphenyl hydrazine*	Mexacarbate	1.1.2.2-Tetrachloroethane
Acrylamide	2-Chlorophenol	Disulfoton	Molinate	Tetrachloroethylene
Acrylonitrile	3-Chloropropylene	Dithiocarbamates-Total	Naphthalene	2.3.4.6-Tetrachlorophenol
Aldicarb sulfone	Chrysene	Endosulfan I	*2-Naphthylamine*	Thiodicarb
Aldrin	o-Cresol	Endosulfan II	o-Nitroaniline	Thiophanate methyl
4-Aminobiphenyl	m-Cresol	Endosulfan sulfate	p-Nitroaniline	Tirpate
Aniline	p-Cresol	Endrin	Nitrobenzene	Toluene
Anthracene	m-Cumenyl methylcarbamate	Endrin aldehyde	5-Nitro-o-toluidine	Toxaphene
Aramite	Cyclohexanone TCLP	EPTC	o-Nitrophenol	Triallate
Barban	1.2-Dibromo-3-chloropropane	Ethyl acetate	p-Nitrophenol	Tribromomethane (Bromoform)
Bendiocarb	1.2-Dibromoethane (EDB)	Ethyl benzene	N-Nitrosodiethylamine	2.4.6-Tribromophenol
Bendiocarb Phenol	Dibromomethane	Ethyl cyanide	N-Nitrosodimethylamine	1.2.4-Trichlorobenzene
Benomyl	2.4-D	Ethyl ether	N-Nitroso-di-n-butylamine	1.1.1-Trichloroethane
Benzal Chloride	o,p'-DDD	Bis(2-Ethylhexyl) phthalate	N-Nitrosomethylethylamine	1.1.2-Trichloroethane
Benzene	p,p'-DDD	Ethyl methacrylate	N-Nitrosomorpholine	Trichloroethylene
Benzo(a)anthracene	o,p'-DDE	*Ethylene oxide*	N-Nitrosopiperidine	Trichloromonofluoromethane
Benzo(b)fluoranthene	p,p'-DDE	Famphur	N-Nitrosopyrrolidine	2.4.5-Trichlorophenol
Benzo(k)fluoranthene	o,p'-DDT	Fluoranthene	Oxamyl	2.4.6-Trichlorophenol
Benzo(g,h,i)perylene	p,p'-DDT	Fluorene	Parathion	1.2.3-Trichloropropane
Benzo(a)pyrene	Dibenzo(a,h)anthracene	Formetanate hydrochloride	Total PCB's (all isomers)	1.1.2-Trichloro-1.2.2-trifluoroethane
alpha-BHC	*Dibenzo(a,e)pyrene*	Formparanate	Pebulate	Triethylamine
beta-BHC	m-Dichlorobenzene	Heptachlor	Pentachlorobenzene	tris(2.3-Dibromopropyl) phosonate
delta-BHC	o-Dichlorobenzene	Heptachlor epoxide	Pentachlorodibenzo-furans	Vernolate
gamma-BHC	p-Dichlorobenzene	Hexachlorobenzene	Pentachlorodibenzo-p-dioxins	Vinyl chloride
Bromodichloromethane	Dichlorodifluoromethane	Hexachlorobutadiene	Pentachloroethane	Xylene(s)
Bromomethane	1.1-Dichloroethane	Hexachlorocyclopentadiene	Pentachloronitrobenzene	METALS & INORGANICS
4-Bromophenyl phenyl ether	1.2-Dichloroethane	Hexachlorodibenzo-furans	Pentachlorophenol	Cyanides (Amenable)
n-Butanol	1.1-Dichloroethylene	Hexachlorodibenzo-p-dioxins	Phenacetin	Cyanides (Total)
Butyl benzyl phthalate	Trans-1.2-Dichloroethylene	Hexachloroethane	Phenanthrene	*Fluoride (Not UHC)*
Butylate	2.4-Dichlorophenol	Hexachloropropene	Phenol	*Sulfide (Not a UHC)*
2-sec-Butyl-4.6-dinitrophenol	2.6-Dichlorophenol	Indeno(1.2.3-c,d)pyrene	p-Phenylenediamine	Antimony TCLP
Carbaryl	1.2-Dichloropropane	Iodomethane	Phorate	Arsenic TCLP
Carbendazim	cis-1.3-Dichloropropene	Isobutanol	Phthalic acid	Barium TCLP
Carbofuran	trans-1.3-Dichloropropene	Isodrin	Phthalic anhydride	Beryllium TCLP
Carbofuran phenol	Dieldrin	Isolan	Physostigmine	Cadmium TCLP
Carbon disulfide TCLP	Diethyl phthalate	Isosafrole	Physostigmine salicylate	Chromium (Total) TCLP
Carbon tetrachloride	Diethylene glycol dicarbamate	Kepone	Promecarb	Lead TCLP
Carbosulfan	2.4-Dimethylphenol	Methacrylonitrile	Pronamide	Mercury TCLP
Chlordane (alpha,gamma)	Dimethyl phthalate	Methanol TCLP	Propham	Mercury NWW from Retort TCLP
p-Chloroaniline	Dimetilan	Methapyrilene	Propanenitrile (Ethyl cyanide)	Nickel TCLP
Chlorobenzene	Di-n-butyl-phthalate	Methiocarb	Propoxur	Selenium TCLP (Not a UHC)
Chlorobenzilate	1.4-Dinitrobenzene	Methomyl	Prosulfocarb	Silver TCLP
2-Chloro-1.3-butadiene	4.6-Dinitro-o-cresol	Methoxychlor	Pyrene	Thallium TCLP
Chlorodibromomethane	2.4-Dinitrophenol	3-Methylcholanthrene	Pyridine	Vanadium (Not a UHC)
Chloroethane	2.4-Dinitrotoluene	4.4-Methylene-bis-(2-chloroaniline)		Zinc (Not a UHC)

☐ All NWW constituents listed are applicable

Italics Denotes no NWW Treatment Standard in 40 CFR 268.48

3. The above information was determined by: ☐ Generator's knowledge of the waste ☐ Laboratory Analysis

_____

Signature ***Title*** ***Date***

ESOI Form UHC-3-03

ENVIROSAFE
ENVIROSAFE SERVICES OF OHIO, INC.

PROFILE

Soil

876 Otter Creek Road, Oregon, Ohio 43616
U.S. EPA Identification No. OHD045243706

Telephone: (800) 537-0426 or (419) 698-3500
Telefax: (419) 698-8663

WASTE PRODUCT QUESTIONNAIRE

Section A – Generator and Customer Information

1. **Generator:** Gabreski Air National Guard
   Address: 150 Old Riverhead Road, Building 250
   City/State: Westhampton Beach, NY Zip: 11978-1201
   Technical Contact(s): Mr. Anthony Vasell, Base Environmental Manager
   Telephone: (631) 723-7112 Fax:
2. **EPA ID.:** N Y 2 5 7 2 8 2 4 2 4 9 **3. SIC:**
4. **Broker/Invoice Address:** Environmental Waste Solutions, LLC
   Address: 1348 B Redtail Hawk Drive
   City/State Boardman, OH Zip: 44512
   Billing/Broker Contact(s): Keith Genovese
   Telephone: 330 758 5851 Fax: 330 758 5852

ESOI USE ONLY	
Generator #	
Customer #	
☐ ESOI ☐ Subtitle D	
Acceptance Code	
Laboratory Testing Code	
Update Analysis Code	
Source Code	
Form Code	
Generator State Code	

Section B – Waste Description

1. **Common Name for This Waste:** Investigation Derived Waste Solids
2. **Process Generating This Waste:** Direct Push soil sampling

3. **Annual Quantity:**
   - ☐ Tons
   - ☐ Yards
   - ☐ Drums – 30-Gal.
   - ☒ Drums – 55-Gal. 3
   - ☐ Drums – 85-Gal.

4. **Shipment Duration:**
   - ☐ Permanent (1 Year or Longer)
   - ☐ Temporary (Less Than 1 Year)
   - ☑ One Time Disposal

5. **Transportation Mode:**
   - ☑ Highway ☐ Rail

6. **Container Type:**
   - ☐ Bulk ☐ Boxes
   - ☐ Cloth Bags ☒ Drums
   - ☐ Gondola ☐ Hopper
   - ☐ Intermodal ☐ Flatcar
   - ☐ Other – Explain in Section H

Section C – Physical Properties

1. **Describe Physical State at 70 °F:**
   ☑ Dry Solid ☐ Damp Solid ☐ Semi-Solid / Gel ☐ Flowable Liquid ☐ Labpack
2. **Describe Load Bearing Strength at 70 °F:**
   ☑ Solid / Rigid ☐ Sludge ☐ Weak / None
   2.1 Penetrometer PSI: N/A **2.2 % Solids @ 105 °C:** 100 %
3. **Describe Physical Appearance of Waste (Include Color, Variations):** brownish
4. **Apparent Density of Waste:** 2500 Lb./Cu. Yard
5. **Flash Point (TAG or Setaflash Closed Cup):**
   ☐ 25-70°F ☐ 70-100°F ☐ 100-140°F ☑ >140°F
   5.1 Actual Flash Point: > 200 °F **5.2 Combustible:** ☐ Yes ☑ No
6. **pH (10% Slurry in Distilled Water for Solids):**
   ☐ <2.0 ☐ 2.0-5.0 ☑ 5.0-10.0 ☐ 10.0-12.5 ☐ >12.5
   6.1 Actual pH (S.U.): 9.2
7. **Describe Odor of Waste:**
   ☒ None ☐ Slight ☐ Strong
8. **Describe Temperature of Waste at Time of Disposal:**
   ☑ Ambient - 100°F ☐ 100-140°F ☐ >140°F

PROFILE

5072

Section D – Waste Composition

1. List all components within the waste stream by percentage. Account for 100 percent of waste in Typical % column.

		RANGE %	TYPICAL %
1.	soil	-	100 %
2.		-	
3.		-	
4.		-	
5.		-	
6.		-	
7.		-	
8.		-	
9.		-	
10.			

Section E – Analytical Report, Sampling Certification

1. Values Reported are: ☑ Actual ☐ Highest ☐ Lowest ☐ Average ☐ Other _____

2. Sample collection method: grab sample from individual drum

3. Indicate sample collection type: ☒ Grab ☐ Composite ☐ Other _____

4. USEPA SW-846 test methods are required for all RCRA-mandated testing. List the methods your laboratory used below.

PARAMETER	Result	Method Reference	PARAMETER	Result	Method Reference	PARAMETER	Result	Method Reference.
Antimony			Cyanide Total			•Acetone		
Arsenic			Cyanide Free			•Butanol		
Barium	See attached		HCN @ pH 2.0			•Carbon Disulfide		
Beryllium	analytical results		Sulfide Total			•Carbon Tetrachloride		
Cadmium			Sulfide Free			•Chlorobenzene		
Chromium (hex)			H2S @ pH 2.0			•Cresols- [o],[m],[p]		
Chromium (total)			Phenolics			•Cresylic Acid		
Copper			Chloride			•Cyclohexanone		
Lead			Fluoride			•1,2-Dichlorobenzene		
Mercury			Phosphate			•Ethyl Acetate		
Nickel			Sulfate			•Ethyl Benzene		
Selenium			Nitrate-N			•Ethyl Ether		
Silver			Nitrite-N			•Isobutanol		
Thallium			Ammonia-N			•Methanol		
Zinc			Kjeldahl-N			•Methylene Chloride		
Endrin			Oil & Grease			•Methyl Ethyl Ketone		
Lindane			TOC (Carbon)			•Methyl Isobutyl Ketone		
Methoxychlor			TOX (Halogen)			•Nitrobenzene		
Toxaphene			PCB's			•Pyridine		
2,4-D			HOC's – (268)			•Tetrachloroethylene		
2,4,5-TP (Silvex)						•Toluene		
Chlordane						•1,1,1-Trichloroethane		
Heptachlor &-OH						•Trichlorotrifluoromethane		
Hex-Cl-Benzene						•Trichloroethylene		
Hex-Cl-Ethane						•Trichlorofluoromethane		
Hex-Cl-1,3 Butdi						•Xylene(s)		
2,4,5-TCl-Phenol						Benzene		
2,4,6-TCl-Phenol						1,1,2-Trichloroethane		
Penta-Cl-Phenol			pH10% Slurry			2-Ethoxyethanol		
2,4-Dinitrtoluene			Flash Point			2-Nitropropane		
Sample Prep Method		**SW 846:**	**Sample Prep Method**		**SW 846:**	Chloroform		
EP-Toxicity Extraction						1,4-Dichlorobenzene		
TCLP Extraction						1,2-Dichloroethane		
						1,1-Dichloroethylene		
						Vinyl Chloride (monom.)		

PROFILE

Section F – Waste Classification, HSWA Data

1. **Is the waste HAZARDOUS under RCRA 40 CFR 261?:**
   ☐ **YES** *(it is a RCRA waste)* ☑ **NO** *(it is non-hazardous)*

2. **RCRA EPA HW Number(s) from 40 CFR 261:**
   (or ESOI Non-Hazardous identification Code)

3. **Does the waste contain any of the following?**: If YES, Explain in Section H

Explosive	☐ Yes	☑ No
Shock Sensitive	☐ Yes	☑ No
Pyrophoric	☐ Yes	☑ No
Pathogenic	☐ Yes	☑ No
Infectious	☐ Yes	☑ No
Radioactive	☐ Yes	☑ No
Water Reactive	☐ Yes	☑ No

4. **Is the waste subject to Land Disposal Restrictions in 40 CFR 268?:** ☑ No ☐ Yes (Notification and/or Certification Required with Manifest)

5. **At the time of shipment will the waste described herein contain FREE LIQUIDS as determined by the Paint Filter Test (EPA SW-846 Method 9095)?** ☑ No (there are no free liquids) ☐ Yes

6. **Indicate if the waste or treatment residue contains any of the following HALOGENATED compounds:**
   ☐ Yes ☑ No **PCB's** (Polychlorinated Biphenyls) 50 parts per million (ppm) or greater

7. **Indicate by circling if waste or treatment residue contains any of the following DIOXIN codes in 40 CFR 261:**
   F020 F021 F022 F023 F026 F027 F028 ☑ The waste described herein contains *NONE* of these HW#'s

8. **Indicate by circling if waste or treatment residue contains any of the following SOLVENT codes in 40 CFR 261:**
   F001 F002 F003 F004 F005 ☑ The waste described herein contains *NONE* of these HW#'s

9. **Indicate if waste or treatment residue contains any of the *"•"-marked chemical CONSTITUENTS in Section E.* Column 3, by reporting the concentration in the space provided.** ☐ The waste described herein contains *NONE* of these chemicals

10. **Does the waste described herein contain EPA HW #'s not reported on or with this form (40 CFR 262.11)?:**
    ☐ Yes ☑ No

11. **Is this waste LESS than 500 ppmw VO per 40 CFR 265.1084 or meets all applicable organic treatment standards in 40 CFR 268.40 and IS NOT subject to 40 CFR 264 / 265 Subpart CC air emission requirements?**
    ☑ Yes ☐ No

12. **The above information was determined by:** ☑ Generator knowledge of the waste ☑ Laboratory analysis

Section G – U.S. DOT Shipping Description

1. **U.S. DOT Proper Shipping Name (PSN):** Non-RCRA, Non-DOT regulated solid (soil)
2. **DOT Reportable Quantity:** ☐☐☐☐ ☐ Lb ☐ Kg
3. **Class Code** ☐ . ☐ 5. **Packing Group:** ☐ I ☐ II ☐ III 6. **UN/NA No.:** _____
7. **Technical Names or Additional DOT Descriptions:**
   None
8. **ERC 24-Hour Emergency 49 CFR 172.604 Telephone:** EWS, 330-758-5851

Section H – Additional Comments or Waste Information

111

PROFILE

Soil

Section J – Generator Certification

1. GENERATOR CERTIFICATION STATEMENT:

I hereby certify that as an authorized representative of the generator named herein, to the best of my knowledge all information submitted in this and all attached documents is true and accurate. I certify that a sample (if any) representative of the waste described herein was collected and analyzed according to the methods on the forms submitted and all known and/or suspected hazardous compounds have been included in the documentation.

Are the transportation or disposal services to be performed by ESOI subject to any prevailing wage requirements? [X] Yes [ ] No

2. GENERATOR SIGNATURE: _____

Anthony J. Vasell, NYS, DMNA	NYS ENVI TECH	NYS DMNA	10 FEB 2015
Name (Printed or Typed)	Title	Company	Date

Section K – Envirosafe Site Use Only

01. [X] Schedule initial bulk shipment, 5 or more shipments/day, all containerized & all treatment, first stab. Approx. 15 yards
02. [X] Profile number must appear on each manifest required by EPA or DOT; ERC Document, phone, route information
03. [ ] Generator must provide annual updated analysis; Generator retest if waste changes due to modifications to process, etc Generator must provide 40 CFR 262.11 updated analysis _____ and annually thereafter
04. [ ] pH of a 10% slurry of waste in distilled waste must be at least _____ but less than _____ by ESOI methods
05. [ ] Flash Point of incoming material must be _____ °F of greater by ESOI methods
06. [ ] Annual volume 200 ton subject to OEPA WMA program; Acceptance ends _____ Initial due OEPA _____
07. [ ] Waste temperature acceptance requirements (100°F always OK). Odoriferous waste may not be acceptable (sample)
08. [ ] LDR Notification-Certification Required; one-time must accompany initial shipment: _____
09. [ ] No unauthorized materials or free liquids in bulk loads
10. [ ] Waste must contain sufficient moisture to suppress dust
11. [ ] Prohibition on mixing loads in same shipping container
12. [ ] Waste billed by cubic yard if <2000 pounds per yard
13. [ ] Material solid, non-flowable & penetrometer standard
14. [ ] Miscellaneous debris 3 feet dimension limit
15. [ ] Metal drums <800 pounds unless authorized herein
16. [ ] Palletized boxes acceptance requirements
17. [ ] Woven cloth bags acceptance requirements
18. [ ] Stencil profile number on top & side each container
19. [ ] Non-haz waste Consent-To-Service form required
20. [ ] Heat or gas in contact with water requirements
21. [ ] Caustic may not heat & exceed 60% (w/w)
22. [ ] Total/Claussen cyanide (250) & sulfide (500) limit
23. [ ] PCB concentration limit requirements
24. [ ] Non-leaking PCB ballasts & capacitors acceptance
25. [ ] ESOI may request test or impound to verify LDRs
26. [ ] ESOI may treat debris by alternate 268.45 tech std.
27. [ ] Off-Spec waste stabilization mix design price adjust.
28. [ ] Narrative description for incinerator wastes
29. [ ] Conditions for acceptance of labpacks
30. [ ] Conditions for asbestos 40 CFR 261 Subpart M

_____

_____

_____

_____

_____

Name	Title	Date

If transportation for this waste is provided by ESOI, then ESOI's standard technical requirements for transportation are applicable.

Section L – Regulatory Agency Use Only

1. ACCEPTANCE STATUS:

[ ] Accepted (ACP) [ ] Conditional (CON) [ ] Withheld (WHO) [ ] Acceptance Denied (DNY)

2. CONDITIONS FOR ACCEPTANCE OR REASONS FOR DENIAL:

_____

_____

Name	Title	Date	Agency

IV

ENVIROSAFE
ENVIROSAFE SERVICES OF OHIO, INC.

PROFILE

§268.48 UNDERLYING HAZARDOUS CONSTITUENT DECLARATION PER 40 CFR 268.7(a) FOR D001-D003, D004-43, CONTAMINATED SOILS

GENERATOR: _____ **WASTE:** _____

Persons generating or treating certain subcategories of hazardous waste EPA HW#'s D001, D002, D003, D004-D011 or D012-D043 may be required under 40 CFR 268.40 to identify the 40 CFR 268.2(i) *underlying hazardous constituents (UHC's)* that were present in the waste at the *point of generation*. UHC's can be identified by using knowledge of the waste and/or by testing the waste to determine which of the substances listed in 40 CFR 268.48 were present above the treatment standard concentrations specified in the UTS Table.

1. Identify which EPA HW Numbers and Subcategories are applicable to this waste:

☐ D001 ☐ D002 ☐ D003 ☐ D004-D011 ☐ D012-D017 ☐ D018-D043 ☐ Contaminated Soil

Subcategory _____

2. Identify the §268.48 UHC's applicable to this waste at the point of generation (Circle, Underline, or etc.)

A2213	Bis(2-Chloroethoxy) methane	2,6-Dinitrotoluene	Methylene chloride	Safrole
Acenaphthylene	Bis(2-Chloroethyl) ether	Di-n-octyl phthalate	Methyl ethyl ketone	Silvex (2,4,5-TP)
Acenaphthene	Chloroform	*p-Dimethylaminoazobenzene*	Methyl isobutyl ketone	2,4,5-T
Acetone	Bis(2-Chloroisopropyl) ether	Di-n-propylnitrosamine	Methyl methacrylate	1,2,4,5-Tetrachlorobenzene
Acetonitrile	p-Chloro-m-cresol	1,4-Dioxane	*Methyl methansulfonate*	Tetrachlorodibenzo-furans
Acetophenone	2-Chloroethyl vinyl ether	Diphenylamine	Methyl parathion	Tetrachlorodibenzo-p-dioxins
2-Acetylaminofluorene	Chloromethane (methyl chloride)	Diphenylnitrosamine	Metolcarb	1,1,1,2-Tetrachloroethane
Acrolein	2-Chloronaphthalene	*1,2-Diphenyl hydrazine*	Mexacarbate	1,1,2,2-Tetrachloroethane
Acrylamide	2-Chlorophenol	Disulfoton	Molinate	Tetrachloroethylene
Acrylonitrile	3-Chloropropylene	Dithiocarbamates-Total	Naphthalene	2,3,4,6-Tetrachlorophenol
Aldicarb sulfone	Chrysene	Endosulfan I	*2-Naphthylamine*	Thiodicarb
Aldrin	o-Cresol	Endosulfan II	o-Nitroaniline	Thiophanate methyl
4-Aminobiphenyl	m-Cresol	Endosulfan sulfate	p-Nitroaniline	Tirpate
Aniline	p-Cresol	Endrin	Nitrobenzene	Toluene
Anthracene	m-Cumenyl methylcarbamate	Endrin aldehyde	5-Nitro-o-toluidine	Toxaphene
Aramite	Cyclohexanone TCLP	EPTC	o-Nitrophenol	Triallate
Barban	1,2-Dibromo-3-chloropropane	Ethyl acetate	p-Nitrophenol	Tribromomethane (Bromoform)
Bendiocarb	1,2-Dibromoethane (EDB)	Ethyl benzene	N-Nitrosodiethylamine	2,4,6-Tribromophenol
Bendiocarb Phenol	Dibromomethane	Ethyl cyanide	N-Nitrosodimethylamine	1,2,4-Trichlorobenzene
Benomyl	2,4-D	Ethyl ether	N-Nitroso-di-n-butylamine	1,1,1-Trichloroethane
Benzal Chloride	o,p'-DDD	Bis(2-Ethylhexyl) phthalate	N-Nitrosomethylethylamine	1,1,2-Trichloroethane
Benzene	p,p'-DDD	Ethyl methacrylate	N-Nitrosomorpholine	Trichloroethylene
Benzo(a)anthracene	o,p'-DDE	*Ethylene oxide*	N-Nitrosopiperidine	Trichloromonofluoromethane
Benzo(b)fluoranthene	p,p'-DDE	Famphur	N-Nitrosopyrrolidine	2,4,5-Trichlorophenol
Benzo(k)fluoranthene	o,p'-DDT	Fluoranthene	Oxamyl	2,4,6-Trichlorophenol
Benzo(g,h,i)perylene	p,p'-DDT	Fluorene	Parathion	1,2,3-Trichloropropane
Benzo(a)pyrene	Dibenzo(a,h)anthracene	Formetanate hydrochloride	Total PCB's (all isomers)	1,1,2-Trichloro-1,2,2-trifluoroethane
alpha-BHC	*Dibenzo(a,e)pyrene*	Formparanate	Pebulate	Triethylamine
beta-BHC	m-Dichlorobenzene	Heptachlor	Pentachlorobenzene	tris(2,3-Dibromopropyl) phosonate
delta-BHC	o-Dichlorobenzene	Heptachlor epoxide	Pentachlorodibenzo-furans	Vernolate
gamma-BHC	p-Dichlorobenzene	Hexachlorobenzene	Pentachlorodibenzo-p-dioxins	Vinyl chloride
Bromodichloromethane	Dichlorodifluoromethane	Hexachlorobutadiene	Pentachloroethane	Xylene(s)
Bromomethane	1,1-Dichloroethane	Hexachlorocyclopentadiene	Pentachloronitrobenzene	METALS & INORGANICS
4-Bromophenyl phenyl ether	1,2-Dichloroethane	Hexachlorodibenzo-furans	Pentachlorophenol	Cyanides (Amenable)
n-Butanol	1,1-Dichloroethylene	Hexachlorodibenzo-p-dioxins	Phenacetin	Cyanides (Total)
Butyl benzyl phthalate	Trans-1,2-Dichloroethylene	Hexachloroethane	Phenanthrene	*Fluoride (Not UHC)*
Butylate	2,4-Dichlorophenol	Hexachloropropene	Phenol	*Sulfide (Not a UHC)*
2-sec-Butyl-4,6-dinitrophenol	2,6-Dichlorophenol	Indeno(1,2,3-c,d)pyrene	o-Phenylenediamine	Antimony TCLP
Carbaryl	1,2-Dichloropropane	Iodomethane	Phorate	Arsenic TCLP
Carbendazim	cis-1,3-Dichloropropene	Isobutanol	Phthalic acid	Barium TCLP
Carbofuran	trans-1,3-Dichloropropene	Isodrin	Phthalic anhydride	Beryllium TCLP
Carbofuran phenol	Dieldrin	Isolan	Physostigmine	Cadmium TCLP
Carbon disulfide TCLP	Diethyl phthalate	Isosafrole	Physostigmine salicylate	Chromium (Total) TCLP
Carbon tetrachloride	Diethylene glycol dicarbamate	Kepone	Promecarb	Lead TCLP
Carbosulfan	2,4-Dimethylphenol	Methacrylonitrile	Pronamide	Mercury TCLP
Chlordane (alpha,gamma)	Dimethyl phthalate	Methanol TCLP	Propham	Mercury NWW from Retort TCLP
p-Chloroaniline	Dimetilan	Methapyrilene	Propanenitrile (Ethyl cyanide)	Nickel TCLP
Chlorobenzene	Di-n-butyl-phthalate	Methiocarb	Propoxur	Selenium TCLP (Not a UHC)
Chlorobenzilate	1,4-Dinitrobenzene	Methomyl	Prosulfocarb	Silver TCLP
2-Chloro-1,3-butadiene	4,6-Dinitro-o-cresol	Methoxychlor	Pyrene	Thallium TCLP
Chlorodibromomethane	2,4-Dinitrophenol	3-Methylcholanthrene	Pyridine	Vanadium (Not a UHC)
Chloroethane	2,4-Dinitrotoluene	4,4-Methylene-bis-(2-chloroaniline)		Zinc (Not a UHC)

☐ All NWW constituents listed are applicable

Italics Denotes no NWW Treatment Standard in 40 CFR 268.48

3. The above information was determined by: ☐ Generator's knowledge of the waste ☐ Laboratory Analysis

_____

Signature ***Title*** ***Date***

ESOI Form UHC-3-03

✓

Appendix E

HRS Quickscore Reports

This page intentionally left blank.

HRS Quickscore Report Prepared for Gabreski Air National Guard Base
Site TU014 – Former USTs in Former Building 218
Located in Westhampton Beach, New York

Site Name: Gabreski ANGB **Region:** Region 2

Scenario Name: TU014

City, County, State: Westhampton Beach, Suffolk County, New York **Date:** 01/29/2015

Description: The Preliminary Assessment / Site Inspection (PA/SI) Report presents the results of and recommendations from the 2014 PA/SI activities conducted at the Gabreski Air National Guard Base located in Westhampton Beach, New York. HRS (Hazard Ranking System) Quickscore is used by the EPA to determine whether a site is placed on the NPL (National Priorities List).

	S pathway	S^2 pathway
Ground Water Migration Pathway Score (S_{gw})	2.67	7.13
Surface Water Migration Pathway Score (S_{sw})	0.0	0.0
Soil Exposure Pathway Score (S_s)	0.0	0.0
Air Migration Score (S_a)	0.0	0.0
$S^2_{gw} + S^2_{sw} + S^2_s + S^2_a$		7.13
$(S^2_{gw} + S^2_{sw} + S^2_s + S^2_a)/4$		1.78
SITE SCORE = / $(S^2_{gw} + S^2_{sw} + S^2_s + S^2_a)/4$		1.34

Pathways not assigned a score:
The groundwater migration pathway was evaluated. The soil exposure pathway was not scored because acetone was the only detected analyte exceeding regulatory levels and acetone is not likely to be associated with #2 fuel oil and diesel USTs. The air migration and surface water migration pathways were not evaluated because these media were not sampled as a part of this PA/SI.

TABLE 3-1 --GROUND WATER MIGRATION PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned	
Aquifer Evaluated: TU014			
Likelihood of Release to an Aquifer:			
1. Observed Release	550	550.0	
2. Potential to Release:			
2a. Containment	10	10.0	
2b. Net Precipitation	10	0.0	
2c. Depth to Aquifer	5	1.0	
2d. Travel Time	35	1.0	
2e. Potential to Release [lines 2a(2b + 2c + 2d)]	500	20.0	
3. Likelihood of Release (higher of lines 1 and 2e)	550		550.0
Waste Characteristics:			
4. Toxicity/Mobility	(a)	1000.0	
5. Hazardous Waste Quantity	(a)	10.0	
6. Waste Characteristics	100		10.0
Targets:			
7. Nearest Well	(b)	0.0	
8. Population:			
8a. Level I Concentrations	(b)	0.0	
8b. Level II Concentrations	(b)	0.0	
8c. Potential Contamination	(b)	40.0	
8d. Population (lines 8a + 8b + 8c)	(b)	40.0	
9. Resources	5	0.0	
10. Wellhead Protection Area	20	0.0	
11. Targets (lines 7 + 8d + 9 + 10)	(b)		40.0
Ground Water Migration Score for an Aquifer:			
12. Aquifer Score [(lines 3 x 6 x 11)/82,5000][c]	100		2.67
Ground Water Migration Pathway Score:			
13. Pathway Score (S_{gw}), (highest value from line 12 for all aquifers evaluated)[c]	100		2.67

[a] Maximum value applies to waste characteristics category
[b] Maximum value not applicable
[c] Do not round to nearest integer

HRS Quickscore Report Prepared for Gabreski Air National Guard Base
Site TU017 – Former USTs in Former Building 374
Located in Westhampton Beach, New York

Site Name: Gabreski ANGB **Region:** Region 2

Scenario Name: TU017

City, County, State: Westhampton Beach, Suffolk County, New York **Date:** 01/29/2015

Description: The Preliminary Assessment / Site Inspection (PA/SI) Report presents the results of and recommendations from the 2014 PA/SI activities conducted at the Gabreski Air National Guard Base located in Westhampton Beach, New York. HRS (Hazard Ranking System) Quickscore is used by the EPA to determine whether a site is placed on the NPL (National Priorities List).

	S pathway	S^2 pathway
Ground Water Migration Pathway Score (S_{gw})	1.61	2.59
Surface Water Migration Pathway Score (S_{sw})	0.0	0.0
Soil Exposure Pathway Score (S_s)	1.2	1.44
Air Migration Score (S_a)	0.0	0.0
$S^2_{gw} + S^2_{sw} + S^2_s + S^2_a$		4.03
$(S^2_{gw} + S^2_{sw} + S^2_s + S^2_a)/4$		1.01
SITE SCORE = / $(S^2_{gw} + S^2_{sw} + S^2_s + S^2_a)/4$		1.0

Pathways not assigned a score:
The groundwater migration and soil exposure pathways were evaluated. The air migration and surface water migration pathways were not evaluated because these media were not sampled as a part of this PA/SI.

TABLE 3-1 --GROUND WATER MIGRATION PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned	
Aquifer Evaluated: TU017			
Likelihood of Release to an Aquifer:			
1. Observed Release	550	550.0	
2. Potential to Release:			
2a. Containment	10	10.0	
2b. Net Precipitation	10	0.0	
2c. Depth to Aquifer	5	1.0	
2d. Travel Time	35	1.0	
2e. Potential to Release [lines 2a(2b + 2c + 2d)]	500	20.0	
3. Likelihood of Release (higher of lines 1 and 2e)	550		550.0
Waste Characteristics:			
4. Toxicity/Mobility	(a)	100.0	
5. Hazardous Waste Quantity	(a)	10.0	
6. Waste Characteristics	100		6.0
Targets:			
7. Nearest Well	(b)	0.0	
8. Population:			
8a. Level I Concentrations	(b)	0.0	
8b. Level II Concentrations	(b)	0.0	
8c. Potential Contamination	(b)	40.0	
8d. Population (lines 8a + 8b + 8c)	(b)	40.0	
9. Resources	5	0.0	
10. Wellhead Protection Area	20	0.0	
11. Targets (lines 7 + 8d + 9 + 10)	(b)		40.0
Ground Water Migration Score for an Aquifer:			
12. Aquifer Score [(lines 3 x 6 x 11)/82,5000][c]	100		1.61
Ground Water Migration Pathway Score:			
13. Pathway Score (S_{gw}), (highest value from line 12 for all aquifers evaluated)[c]	100		1.61

[a] Maximum value applies to waste characteristics category
[b] Maximum value not applicable
[c] Do not round to nearest integer

TABLE 5-1 --SOIL EXPOSURE PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned	
Likelihood of Exposure:			
1. Likelihood of Exposure	550		550.0
Waste Characteristics:			
2. Toxicity	(a)	10000.0	
3. Hazardous Waste Quantity	(a)	10.0	
4. Waste Characteristics	100		18.0
Targets:			
5. Resident Individual	50		
6. Resident Population:			
6a. Level I Concentrations	(b)	0	
6b. Level II Concentrations	(b)		
6c. Population (lines 6a + 6b)	(b)		
7. Workers	15	10.0	
8. Resources	5		
9. Terrestrial Sensitive Environments	(c)		
10. Targets (lines 5 + 6c + 7 + 8 + 9)	(b)		10.0
Resident Population Threat Score			
11. Resident Population Threat Score (lines 1 x 4 x 10)	(b)		99000.0
Nearby Population Threat			
Likelihood of Exposure:			
12. Attractiveness/Accessibility	100	0.0	
13. Area of Contamination	100	5.0	
14. Likelihood of Exposure	500		0.0
Waste Characteristics:			
15. Toxicity	(a)	10000.0	
16. Hazardous Waste Quantity	(a)	10.0	
17. Waste Characteristics	100		18.0
Targets:			
18. Nearby Individual	1	0.0	
19. Population Within 1 Mile	(b)		
20. Targets (lines 18 + 19)	(b)		
Nearby Population Threat Score			
21. Nearby Population Threat (lines 14 x 17 x 20)	(b)		0.0
Soil Exposure Pathway Score:			
22. Pathway Score[d] (S_s), [lines (11+21)/82,500, subject to max of 100]	100		1.2

[a] Maximum value applies to waste characteristics category
[b] Maximum value not applicable
[c] No specific maximum value applies to factor. However, pathway score based solely on terrestrial sensitive environments is limited to a maximum of 60
[d] Do not round to nearest integer

This page intentionally left blank.

Appendix F

Remedial Action Cost Engineering Requirements Worksheets

This page intentionally left blank.

ANG RI DQO WORKSHEET

Installation Name: Gabreski ANGB **Site ID** TU014

City: Westhampton Beach **State:** New York

Site Name: Former USTs in Former Building 218

Site Description: Two USTs were reported to have been removed from Building 218 in 1996, including UST #2: 550-gallon No. 2 fuel oil and UST #DE2: 275-gallon diesel. Closure documents for these tanks are not available. +

Recommended for RI because: Further investigation is recommended for VOCs in groundwater.

Site Dimensions:

Acreage	0.08	Acres
Length	35	Feet
Width	100	Feet
Perimeter	270	Feet

Contaminants of Concern (check all that apply):

Acids/Caustics			
Asbestos			
Fuels			PCBs
SVOCs			Pesticides
VOCs	X		Metals
Other*			Low Level Radioactive

*Please specify:

Impacted Media (check all that apply):

Surface Soil			Surface Water
Subsurface Soil			Sediment
Groundwater	X		Vadose Zone

Type of Aquifer (check one):

Confined		X	Unconfined

Soil Type (check one):

Gravel/Gravel-Sand Mixture		X	Sand-Silt Mixture/Sand-Clay Mixture
Sand/Gravelly-Sand Mixture			Silt/Silty-Clay Mixture
Other*			

*Please specify:

For the purposes of out year programmatic assumptions:

Probable Remedial Investigation parameters:

ANG RI DQO WORKSHEET

Number of wells	4 wells
Number of soil samples	8 soil samples

Area of Contamination:

Soil

Soil Extent defined (yes or no)	**NA**	
Soil: Approximate lateral extent	**NA**	Sq. Feet
Depth to base of soil contamination:	**NA**	Feet

Groundwater

GW Extent defined (yes or no)	**No**	
GW: Approximate lateral extent	**Unknown**	Sq. Feet
Depth to base of GW contamination:	**Unknown**	Feet
Depth to water table:	**34**	Feet
Depth to bedrock:	**Unknown**	Feet

Site Remedial Action (check all that apply):

Dig and haul	**X**		NTCRA
Bio-Augmentation			Pump and treat
Bio Remediation	**X**		Cap
ISCO			Phytoremediation
Other*		**X**	LUC's

*Please specify: _____

ANG RI DQO WORKSHEET

Installation Name: Gabreski ANGB **Site ID** TU017

City: Westhampton Beach **State:** New York

Site Name: Former USTs in Former Building 374

Site Description: One 2,500-gallon diesel UST (UST #68) was reportedly removed from Building 374 in 1996. Closure documents for this tank are not available. Building 374 was demolished and a new Building 324 and a transformer pad have been constructed in the area.

Recommended for RI because: Further investigation is recommended for SVOCs in soil.

Site Dimensions:

Acreage	0.034	Acres
Length	50	Feet
Width	30	Feet
Perimeter	160	Feet

Contaminants of Concern (check all that apply):

Acids/Caustics			
Asbestos			
Fuels			PCBs
SVOCs	X		Pesticides
VOCs			Metals
Other*			Low Level Radioactive

*Please specify:

Impacted Media (check all that apply):

Surface Soil	X		Surface Water
Subsurface Soil	X		Sediment
Groundwater			Vadose Zone

Type of Aquifer (check one):

Confined		X	Unconfined

Soil Type (check one):

Gravel/Gravel-Sand Mixture		X	Sand-Silt Mixture/Sand-Clay Mixture
Sand/Gravelly-Sand Mixture			Silt/Silty-Clay Mixture
Other*			

*Please specify:

For the purposes of out year programmatic assumptions:

Probable Remedial Investigation parameters:

ANG RI DQO WORKSHEET

Number of wells	4 wells
Number of soil samples	8 soil samples

Area of Contamination:

Soil

Soil Extent defined (yes or no)	**No**	
Soil: Approximate lateral extent	**Unknown**	Sq. Feet
Depth to base of soil contamination:	**Unknown**	Feet

Groundwater

GW Extent defined (yes or no)	**NA**	
GW: Approximate lateral extent	**NA**	Sq. Feet
Depth to base of GW contamination:	**NA**	Feet
Depth to water table:	**34**	Feet
Depth to bedrock:	**Unknown**	Feet

Site Remedial Action (check all that apply):

Dig and haul	**X**		NTCRA
Bio-Augmentation			Pump and treat
Bio Remediation	**X**		Cap
ISCO			Phytoremediation
Other*		**X**	LUC's

*Please specify: _____